

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX090518\
 Data File : VX004369.D
 Acq On : 05 Sep 2018 14:02
 Operator : JC/MD
 Sample : VX0905MBSD01
 Misc : 5.0µ/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905MBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/6/2018 12:48:37 PM

Quant Time: Sep 06 01:24:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	314372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	459759	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	421178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	254088	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	200328	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
35) Dibromofluoromethane	5.50	113	171938	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	8.71	98	652988	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	11.14	95	246297	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	66938	18.38	ug/l	96
3) Chloromethane	1.32	50	76603	19.21	ug/l	99
4) Vinyl Chloride	1.40	62	79243	19.24	ug/l	99
5) Bromomethane	1.64	94	38933	17.87	ug/l	99
6) Chloroethane	1.72	64	55621	18.30	ug/l	99
7) Trichlorofluoromethane	1.93	101	108495	19.22	ug/l	96
8) Diethyl Ether	2.18	74	50954	21.08	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	68344	19.33	ug/l	99
10) Methyl Iodide	2.51	142	67524	19.75	ug/l	98
11) Tert butyl alcohol	3.07	59	86052	98.52	ug/l	99
12) 1,1-Dichloroethene	2.37	96	64251	19.29	ug/l	97
13) Acrolein	2.29	56	21257	100.95	ug/l	97
14) Allyl chloride	2.73	41	125332	20.48	ug/l	97
15) Acrylonitrile	3.15	53	223714	103.43	ug/l	99
16) Acetone	2.45	43	191648	110.06	ug/l	99
17) Carbon Disulfide	2.57	76	144451	16.17	ug/l	99
18) Methyl Acetate	2.78	43	161273	26.52	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	235319	21.44	ug/l	98
20) Methylene Chloride	2.85	84	81984	20.79	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	68661	18.63	ug/l	99
22) Diisopropyl ether	3.87	45	243423	21.31	ug/l	99
23) Vinyl Acetate	3.82	43	896626	96.83	ug/l	99
24) 1,1-Dichloroethane	3.69	63	136917	20.56	ug/l	100
25) 2-Butanone	4.70	43	293731	105.34	ug/l	98
26) 2,2-Dichloropropane	4.58	77	105086	20.12	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	83928	20.07	ug/l	99
28) Bromochloromethane	5.01	49	60929	20.67	ug/l	97
29) Tetrahydrofuran	5.16	42	183790	104.40	ug/l	99
30) Chloroform	5.21	83	136190	20.40	ug/l	97
31) Cyclohexane	5.57	56	112310	19.55	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	110628	19.87	ug/l	99
36) 1,1-Dichloropropene	5.79	75	98486	19.05	ug/l	99
37) Ethyl Acetate	4.86	43	103528	20.37	ug/l	100
38) Carbon Tetrachloride	5.78	117	92428	19.01	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	112802	19.11	ug/l	97
40) Benzene	6.14	78	312663	20.24	ug/l	100
41) Methacrylonitrile	5.06	41	61421	20.85	ug/l	99
42) 1,2-Dichloroethane	6.20	62	105595	20.04	ug/l	100
43) Isopropyl Acetate	6.46	43	162176	20.76	ug/l	99
44) Trichloroethene	7.21	130	83306	19.49	ug/l	99
45) 1,2-Dichloropropane	7.52	63	81305	21.03	ug/l	97
46) Dibromomethane	7.66	93	50911	19.78	ug/l	99
47) Bromodichloromethane	7.90	83	92747	19.37	ug/l	100
48) Methyl methacrylate	7.78	41	85271	20.40	ug/l	99
49) 1,4-Dioxane	7.76	88	35360	372.62	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	565890	99.71	ug/l	100
52) Toluene	8.79	92	197110	20.39	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	106110	20.06	ug/l	98
54) cis-1,3-Dichloropropene	8.43	75	117476	20.39	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	82000	21.01	ug/l	99
56) Ethyl methacrylate	9.18	69	112682	21.21	ug/l	98
57) 1,3-Dichloropropane	9.37	76	136937	20.82	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	283933	104.30	ug/l	100
59) 2-Hexanone	9.50	43	431877	99.75	ug/l	99
60) Dibromochloromethane	9.59	129	73221	19.26	ug/l	99
61) 1,2-Dibromoethane	9.67	107	81954	20.29	ug/l	100
64) Tetrachloroethene	9.34	164	87715	21.08	ug/l	100
65) Chlorobenzene	10.14	112	208427	19.72	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	73371	20.12	ug/l	96
67) Ethyl Benzene	10.25	91	347079	20.22	ug/l	95
68) m/p-Xylenes	10.36	106	272990	40.67	ug/l	96
69) o-Xylene	10.70	106	137946	21.73	ug/l	99
70) Styrene	10.71	104	225735	21.96	ug/l	99
71) Bromoform	10.86	173	55312	18.82	ug/l #	99
73) Isopropylbenzene	11.02	105	376072	22.54	ug/l	100
74) N-amyl acetate	10.90	43	135379	21.07	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	120894	20.70	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	111099m	21.50	ug/l	
77) Bromobenzene	11.26	156	100508	21.47	ug/l	98
78) n-propylbenzene	11.36	91	429257	22.36	ug/l	100
79) 2-Chlorotoluene	11.42	91	257009	21.75	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	312993	22.65	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	31707	19.91	ug/l	97
82) 4-Chlorotoluene	11.51	91	296741	21.35	ug/l	99
83) tert-Butylbenzene	11.77	119	309057	22.23	ug/l	98
84) 1,2,4-Trimethylbenzene	11.81	105	322581	22.74	ug/l	100
85) sec-Butylbenzene	11.94	105	385225	23.34	ug/l	99
86) p-Isopropyltoluene	12.07	119	343187	23.20	ug/l	97
87) 1,3-Dichlorobenzene	12.02	146	184451	20.93	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	181220	19.50	ug/l	97
89) n-Butylbenzene	12.39	91	251698	20.92	ug/l	99
90) Hexachloroethane	12.60	117	42782	20.69	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	161464	20.04	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	20654	20.08	ug/l	97

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MSVOA_X
ClientSampleId :
VX0905MBSD01

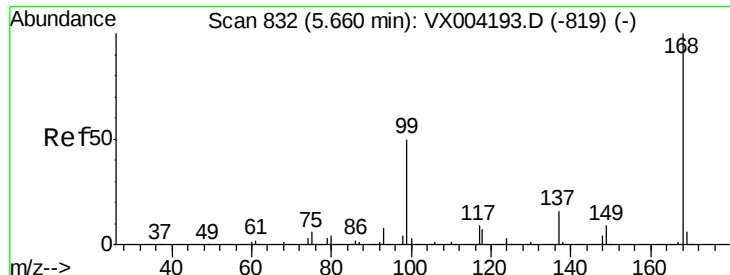
Manual Integrations
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9/6/2018 12:48:37 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	133762	22.82	ug/l	99
94) Hexachlorobutadiene	13.79	225	68171	24.93	ug/l	95
95) Naphthalene	13.83	128	403341	24.33	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	142344	22.94	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



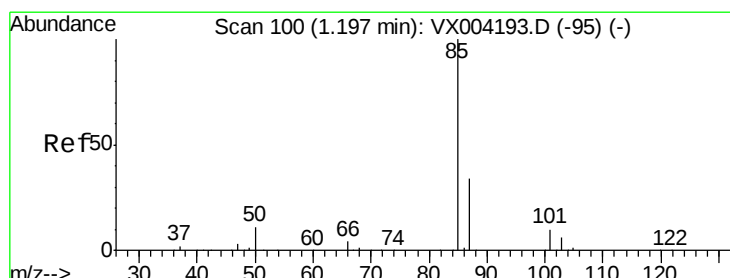
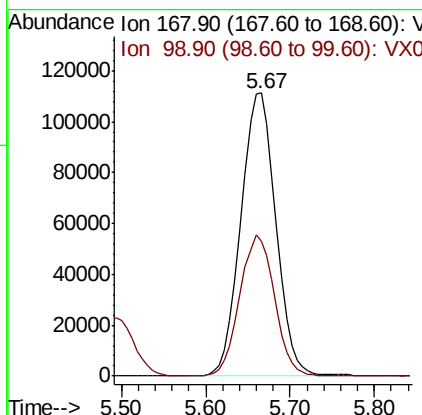
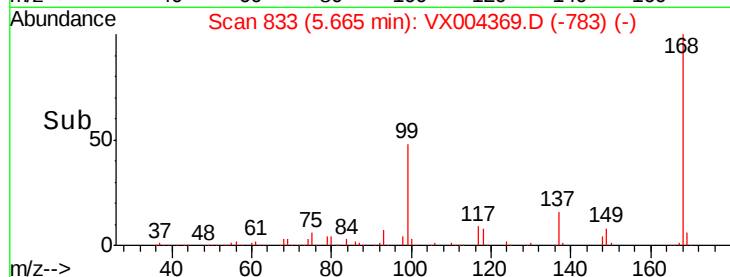
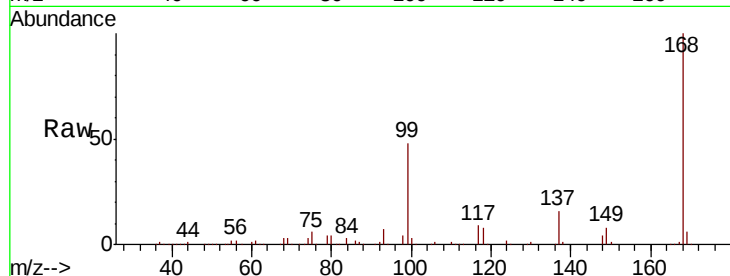
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.01 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Instrument :
MSVOA_X
ClientSampleId :
VX0905MBSD01

Tot Ion:168 Resp: 314372
Ion Ratio Lower Upper
168 100
99 47.7 39.9 59.9

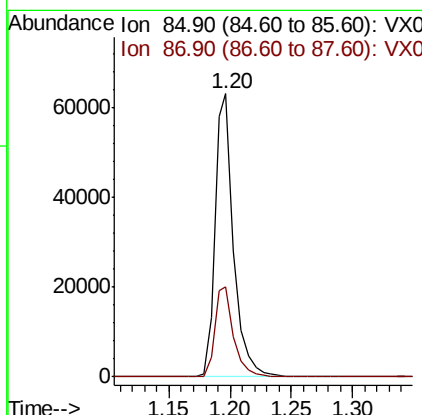
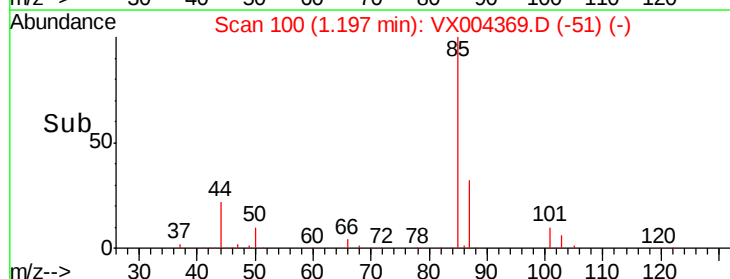
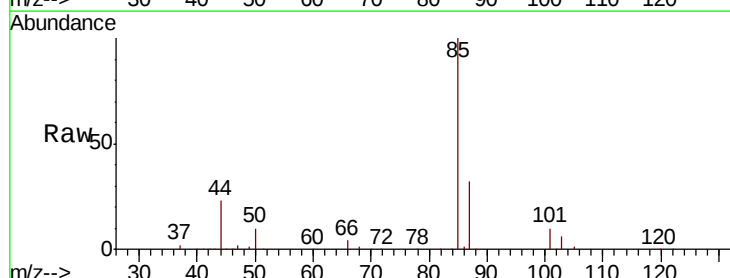
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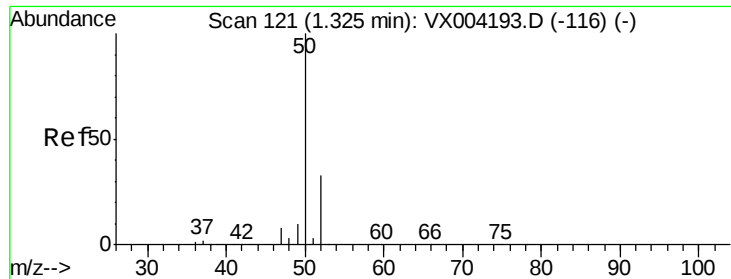
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#2
Dichlorodifluoromethane
Concen: 18.38 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Tgt Ion: 85 Resp: 66938
Ion Ratio Lower Upper
85 100
87 31.7 17.0 50.9





#3

Chloromethane

Concen: 19.21 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

VX0905MBSD01

Tot Ion: 50 Resp: 76603

Ion Ratio Lower Upper

50 100

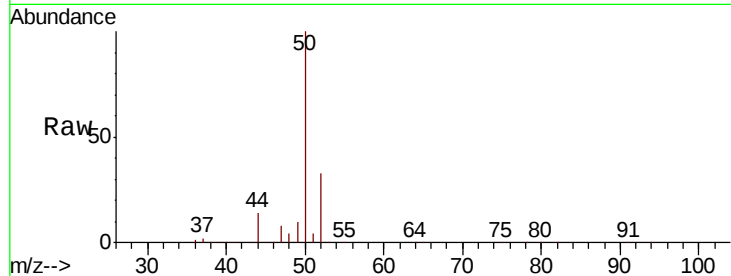
52 33.4 26.2 39.2

Manual Integrations

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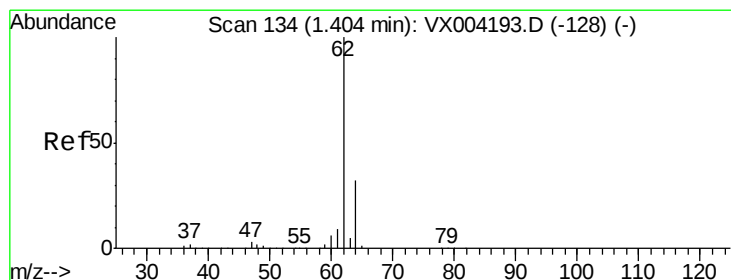
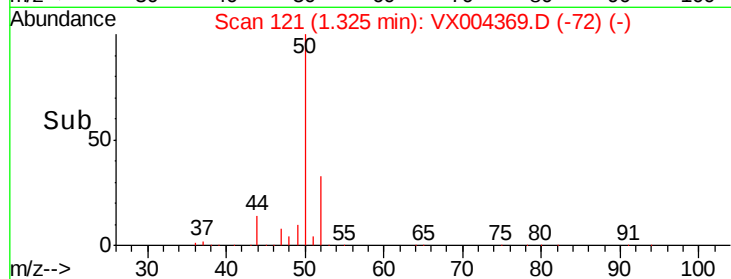
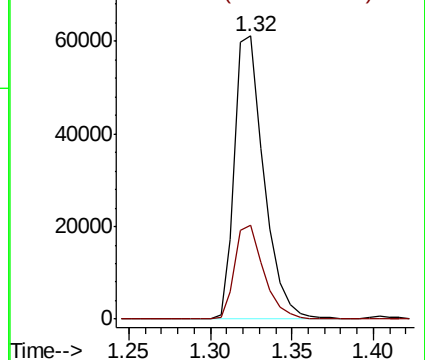
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.24 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004369.D

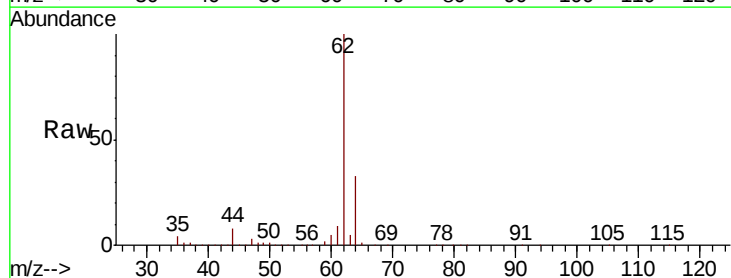
Acq: 05 Sep 2018 14:02

Tgt Ion: 62 Resp: 79243

Ion Ratio Lower Upper

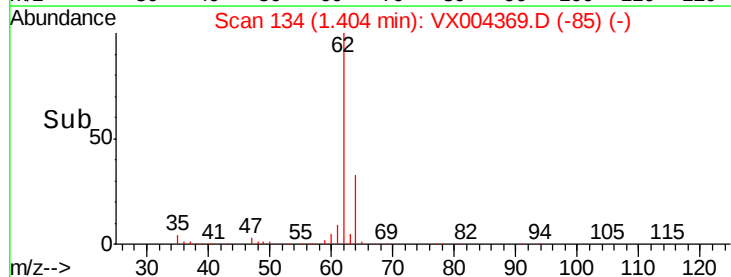
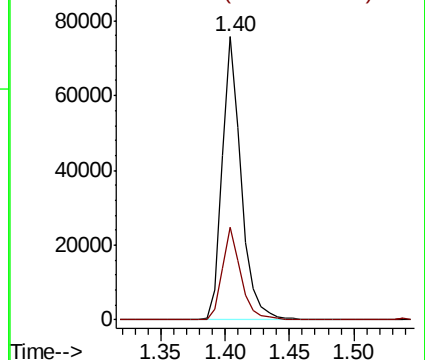
62 100

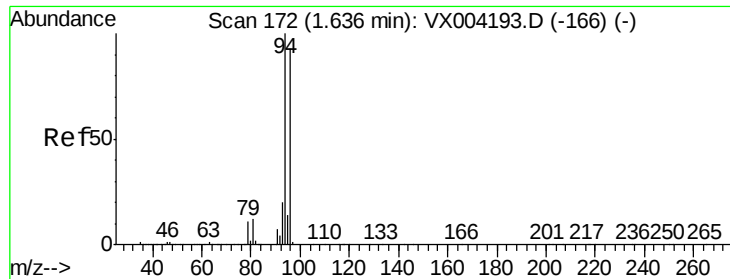
64 32.7 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.87 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

VX0905MBSD01

Tot Ion: 94 Resp: 38933

Ion Ratio Lower Upper

94 100

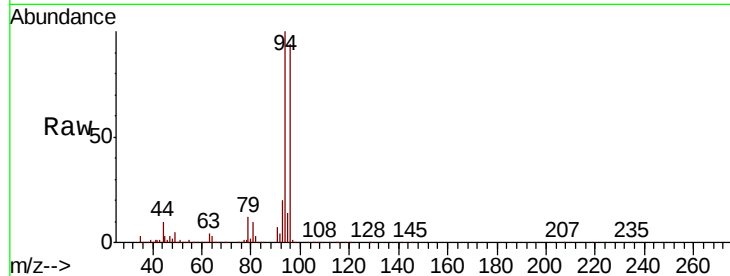
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Manual Integrations

APPROVED

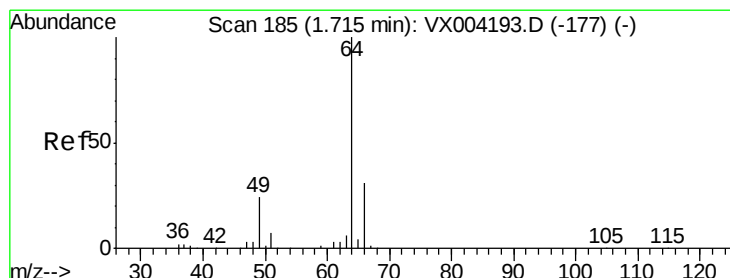
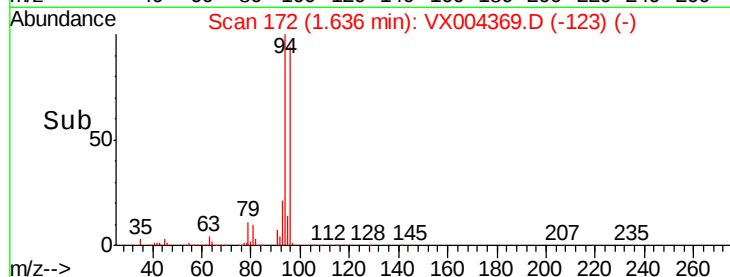
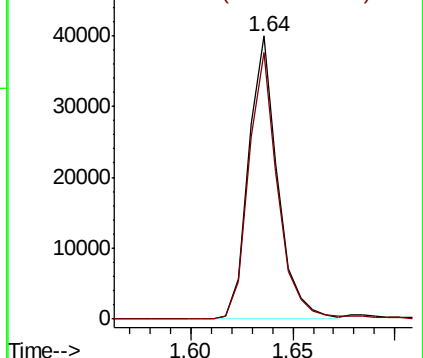
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.30 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004369.D

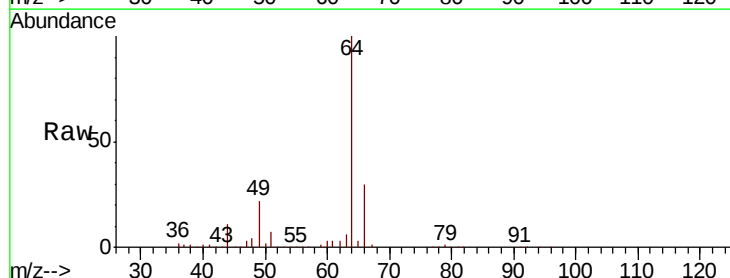
Acq: 05 Sep 2018 14:02

Tgt Ion: 64 Resp: 55621

Ion Ratio Lower Upper

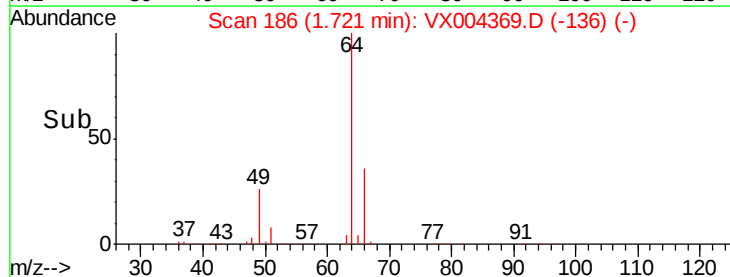
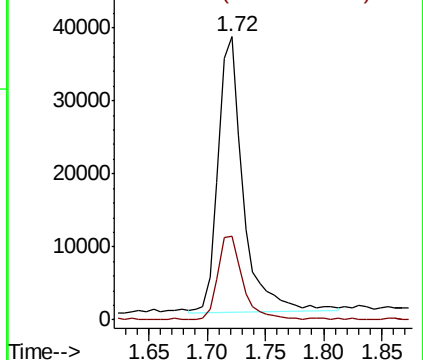
64 100

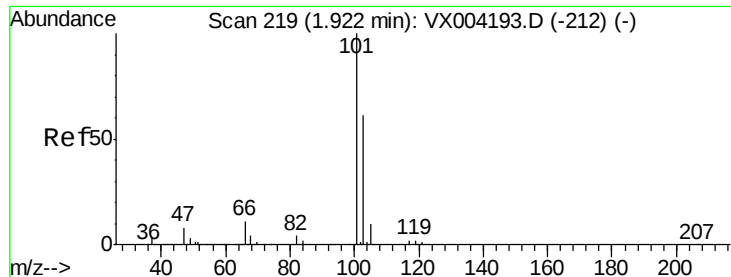
66 30.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

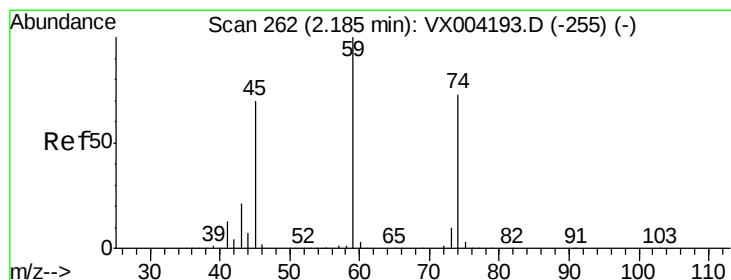
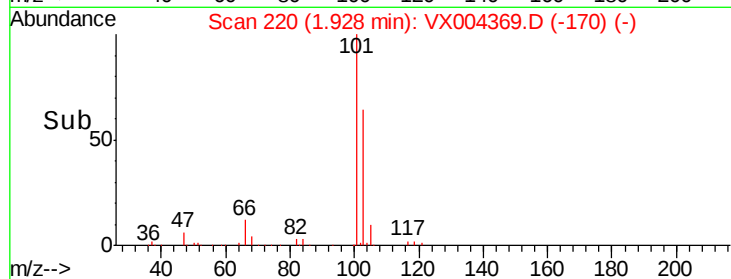
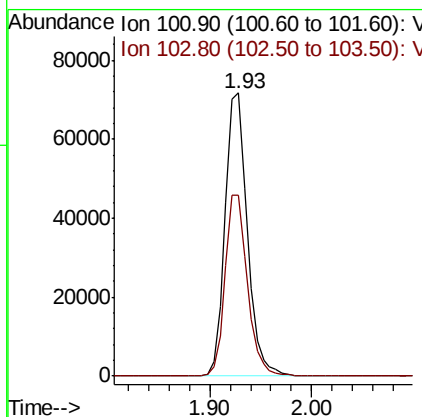
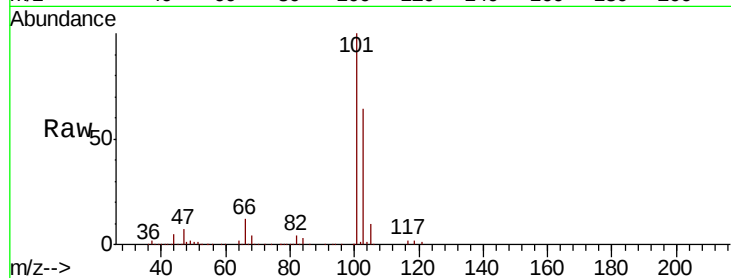
Trichlorofluoromethane
 Concen: 19.22 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	48.9	73.3

Manual Integrations
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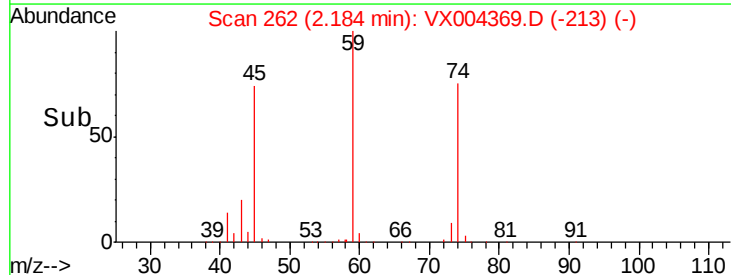
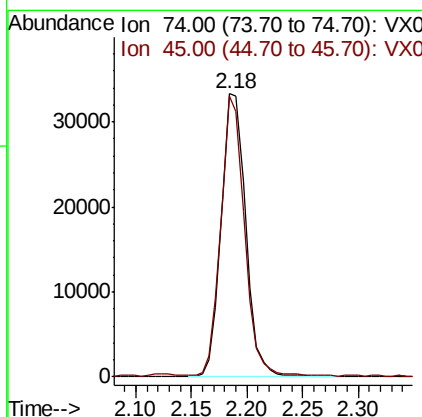
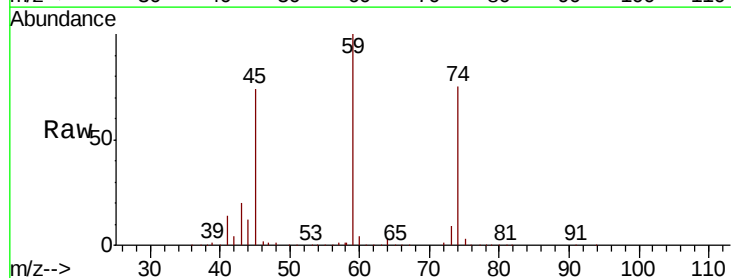
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 9/6/2018 12:48:37 PM

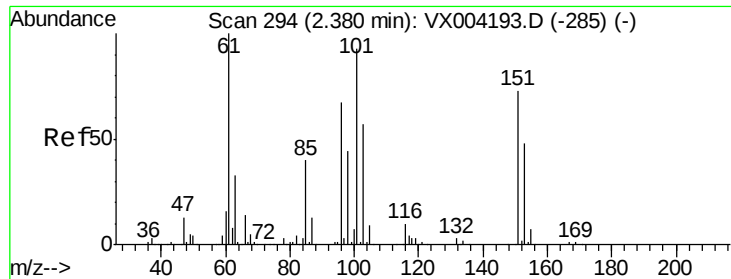


#8

Diethyl Ether
 Concen: 21.08 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.5	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.33 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Instrument :

MSVOA_X

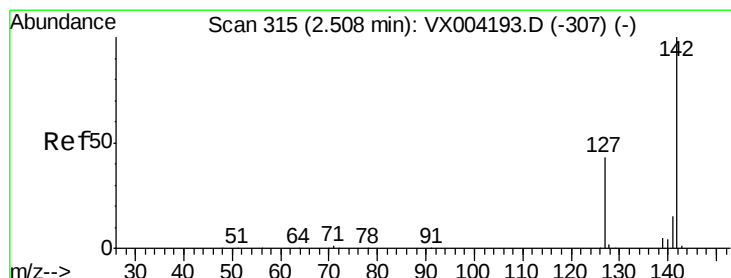
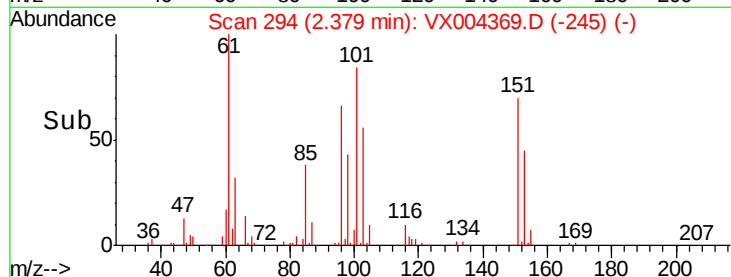
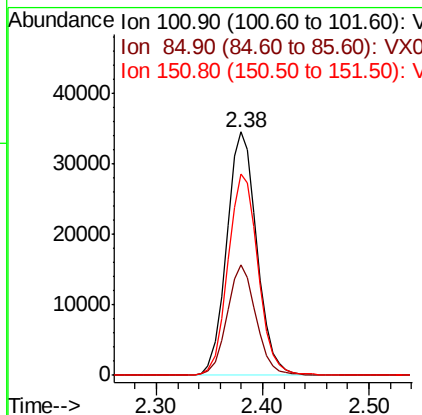
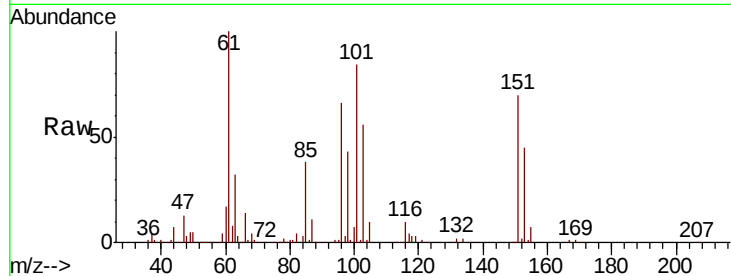
ClientSampleId :

VX0905MBSD01

Tot Ion:	101	Resp:	68344
Ion Ratio	Lower	Upper	
101	100		
85	43.5	34.2	51.4
151	82.7	65.0	97.6

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#10

Methyl Iodide

Concen: 19.75 ug/l

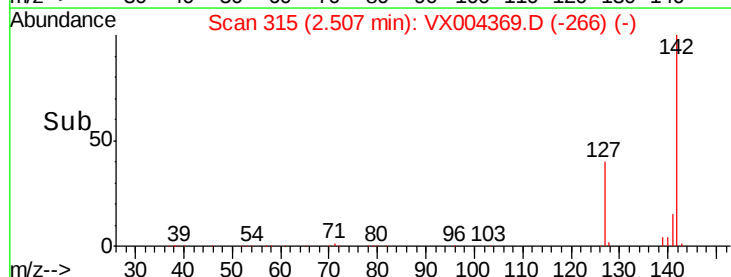
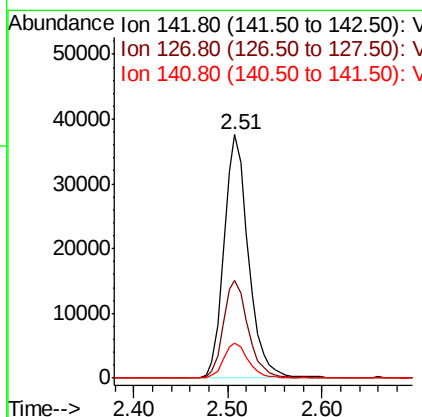
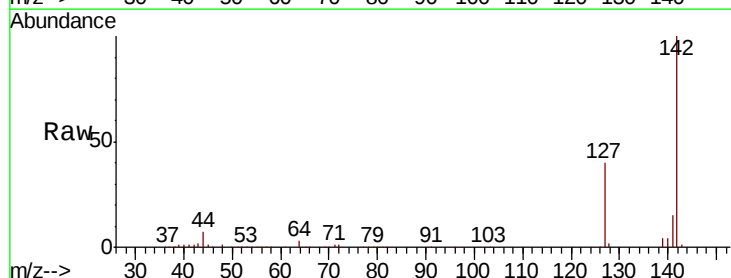
RT: 2.51 min Scan# 315

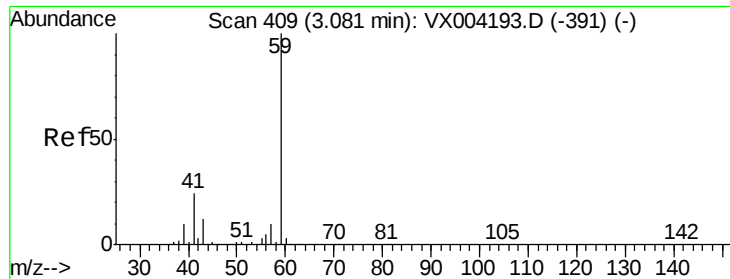
Delta R.T. 0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Tgt Ion:	142	Resp:	67524
Ion Ratio	Lower	Upper	
142	100		
127	41.0	33.8	50.6
141	14.4	11.4	17.0





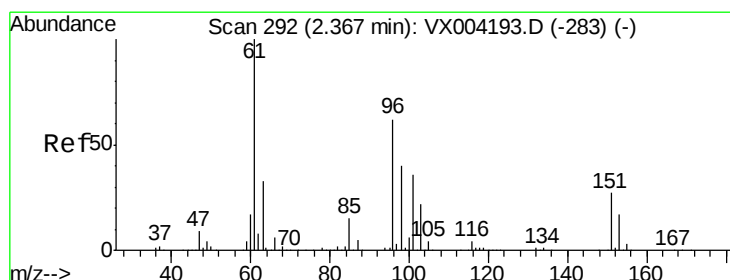
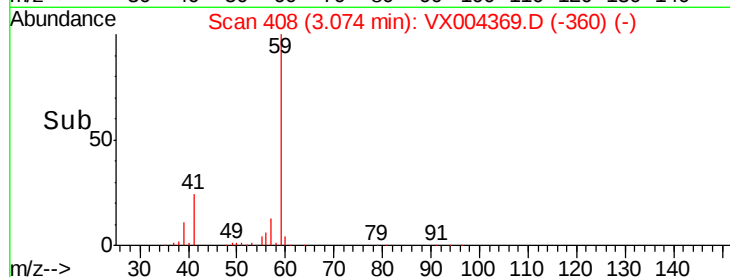
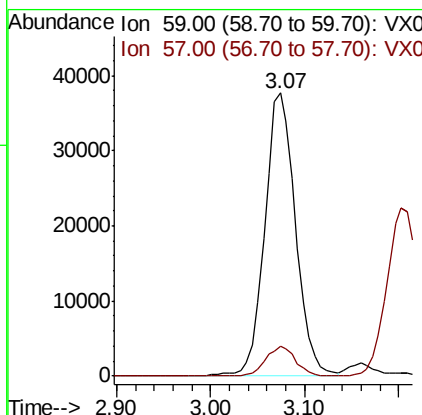
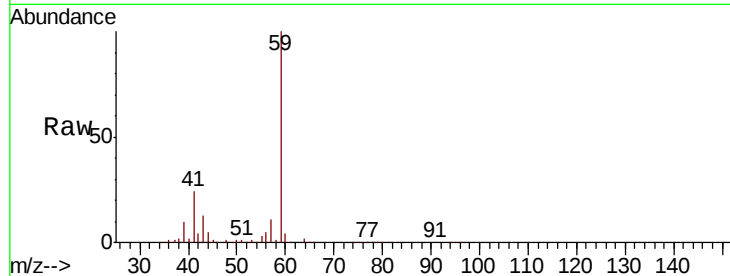
#11
Tert butyl alcohol
Concen: 98.52 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Instrument :
MSVOA_X
ClientSampled :
VX0905MBSD01

Tot Ion: 59 Resp: 86052
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4

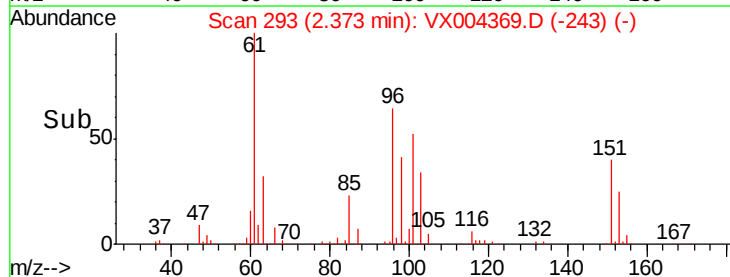
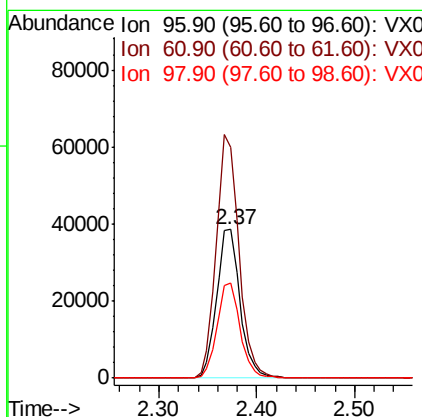
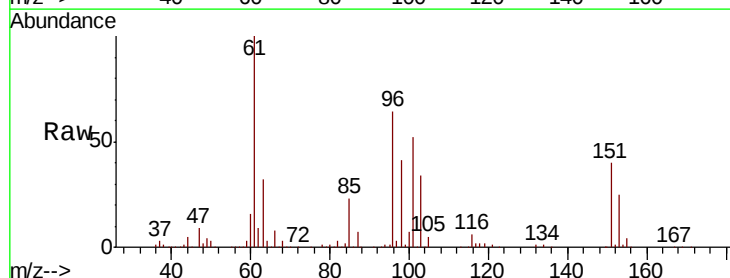
Manual Integrations
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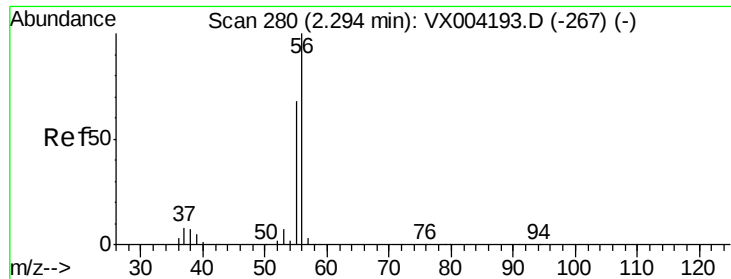
MMDadoda
9/6/2018 12:48:37 PM



#12
1,1-Dichloroethene
Concen: 19.29 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Tgt Ion: 96 Resp: 64251
Ion Ratio Lower Upper
96 100
61 155.7 128.8 193.2
98 63.9 52.2 78.2





#13

Acrolein

Concen: 100.95 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

VX0905MBSD01

Tot Ion: 56 Resp: 21257

Ion Ratio Lower Upper

56 100

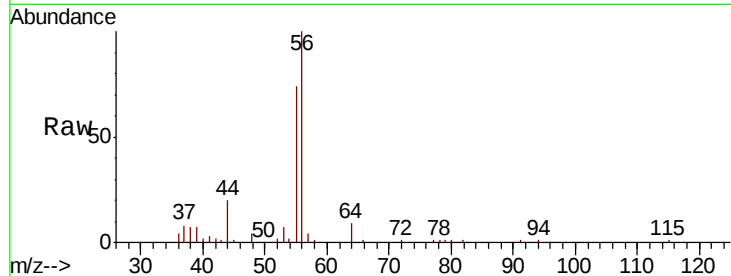
55 71.1 54.7 82.1

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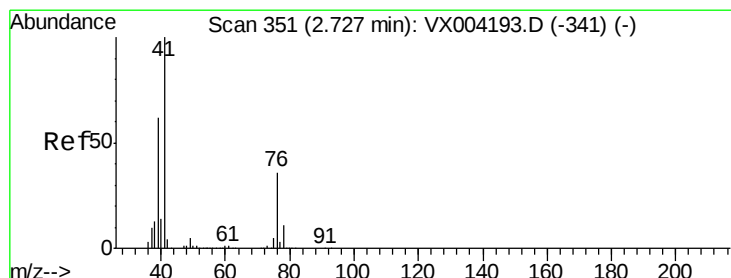
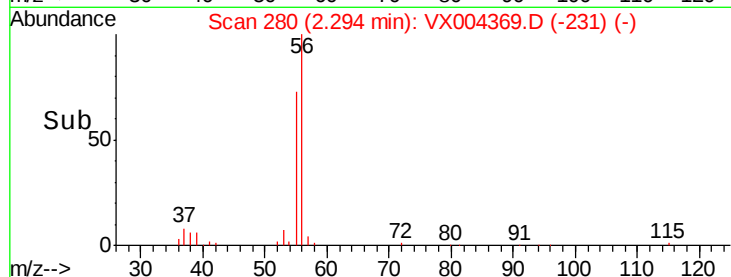
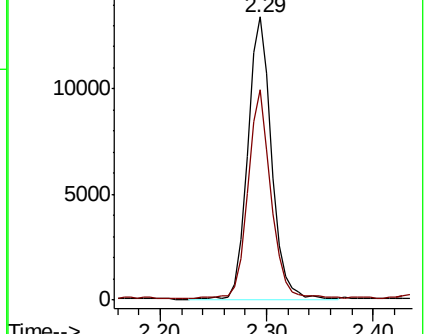
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.48 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

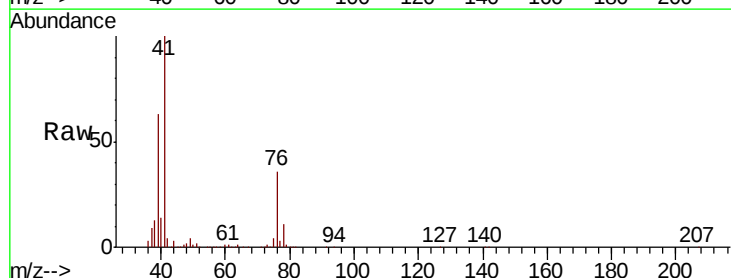
Tgt Ion: 41 Resp: 125332

Ion Ratio Lower Upper

41 100

39 58.8 48.9 73.3

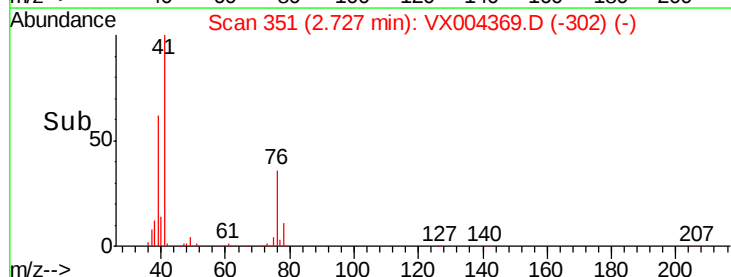
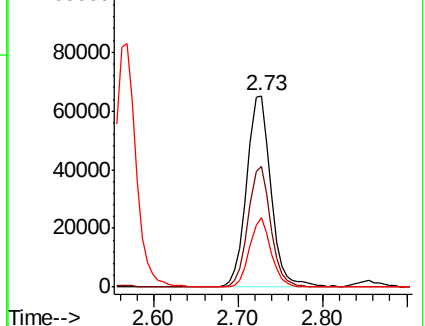
76 32.4 26.7 40.1

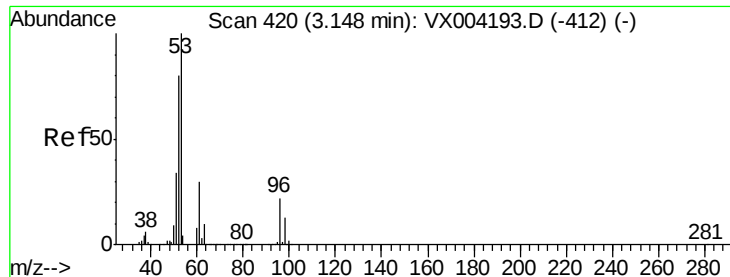


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 103.43 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Instrument :

MSVOA_X

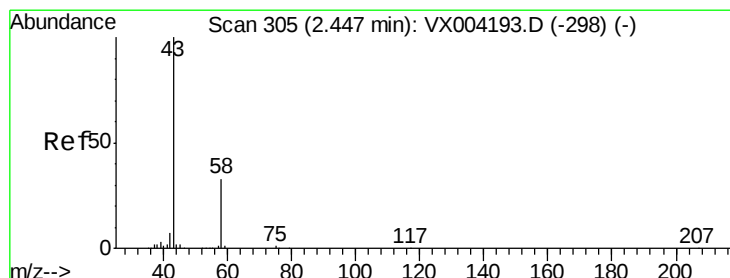
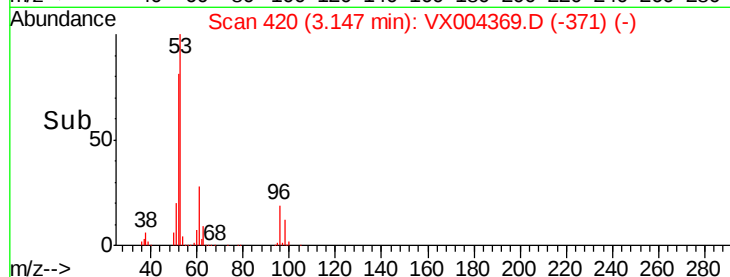
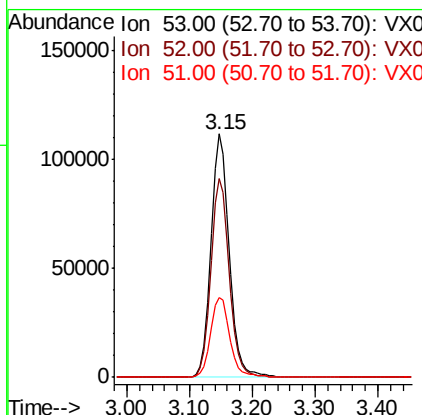
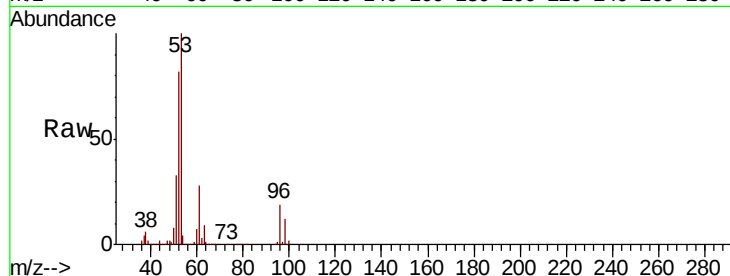
ClientSampleId :

VX0905MBSD01

Tot Ion:	53	Resp:	223714
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.2	97.8
51	34.6	28.2	42.2

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#16

Acetone

Concen: 110.06 ug/l

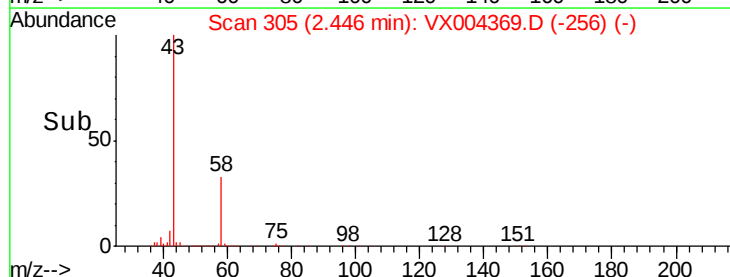
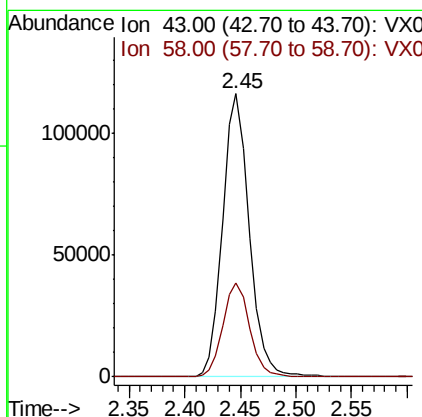
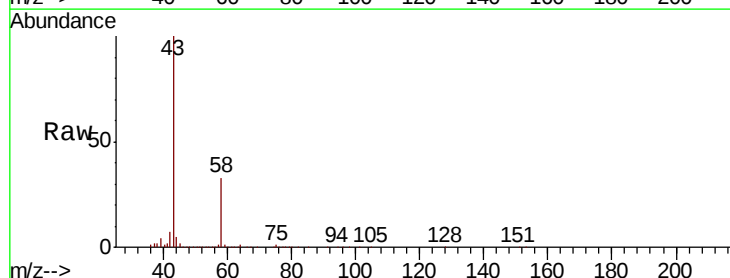
RT: 2.45 min Scan# 305

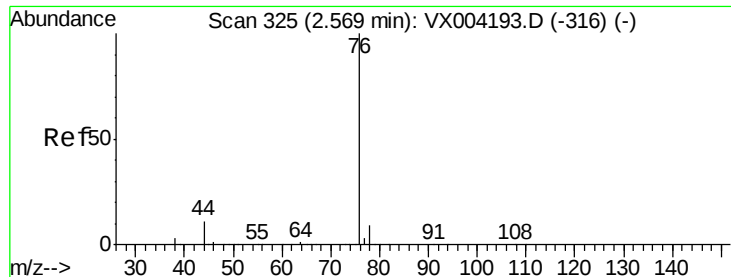
Delta R.T. 0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Tgt Ion:	43	Resp:	191648
Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.2	39.4





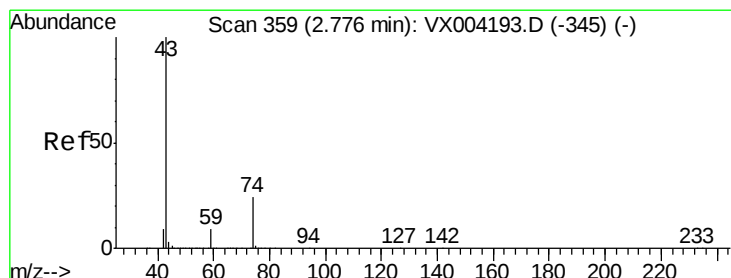
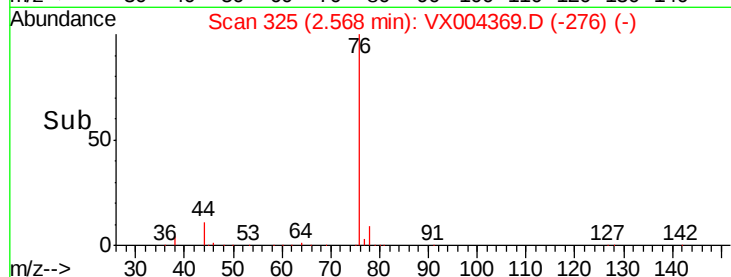
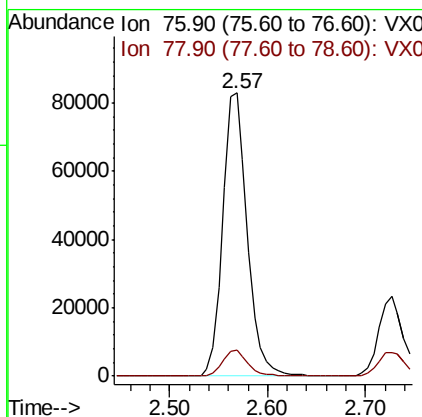
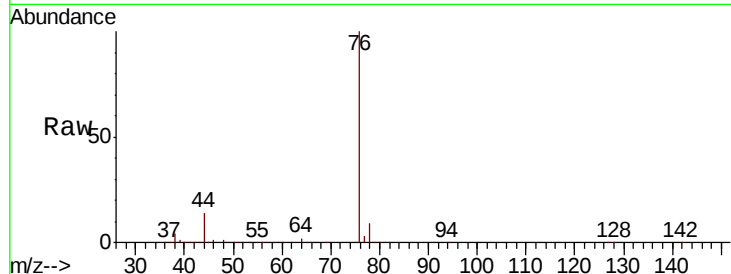
#17
Carbon Disulfide
Concen: 16.17 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Instrument :
MSVOA_X
ClientSampleId :
VX0905MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.6

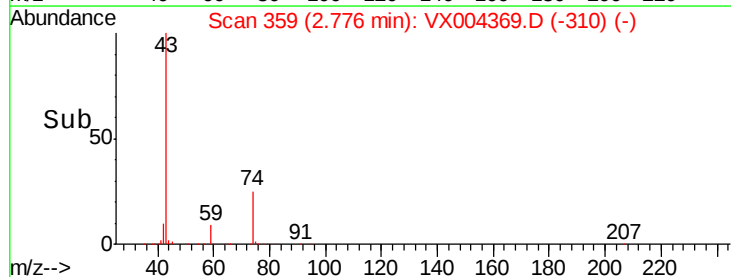
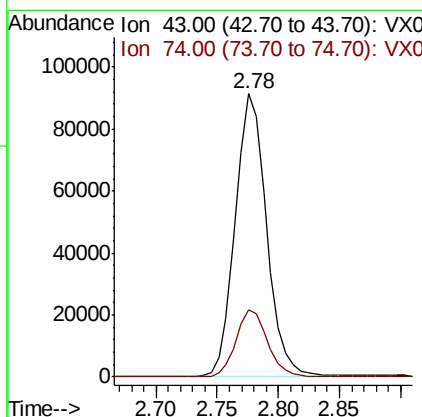
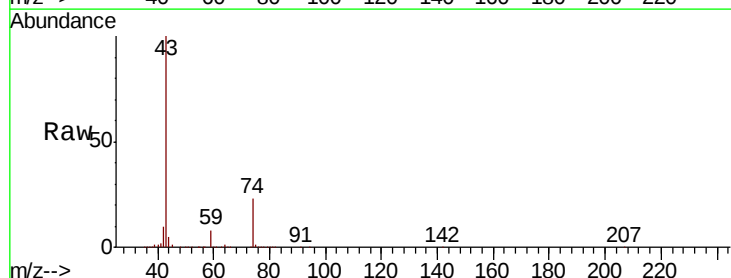
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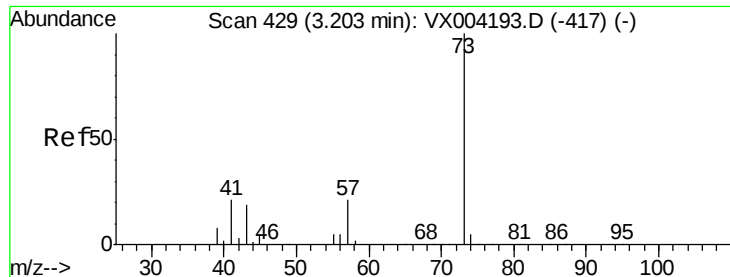
MMDadoda
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#18
Methyl Acetate
Concen: 26.52 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.4	29.2





#19

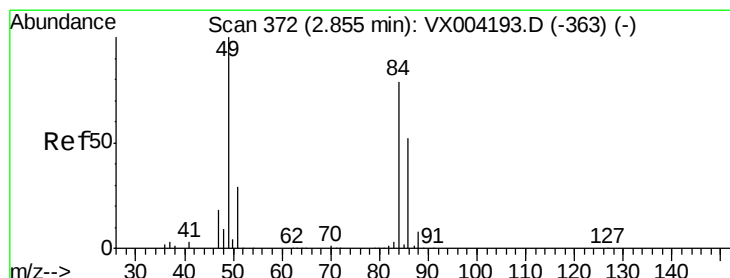
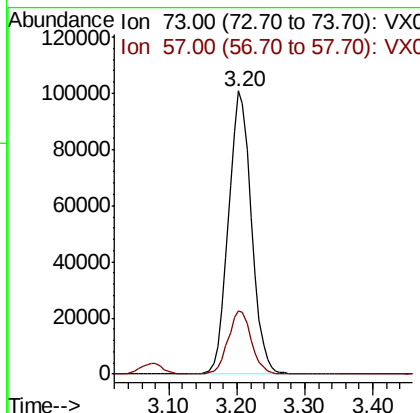
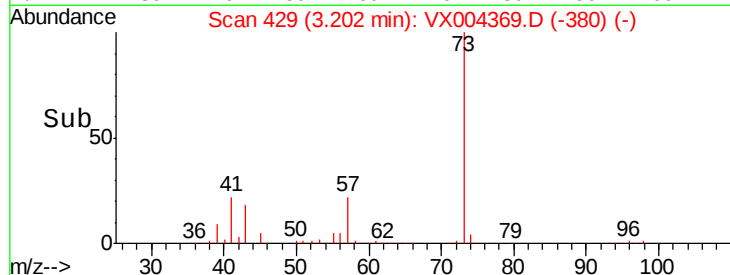
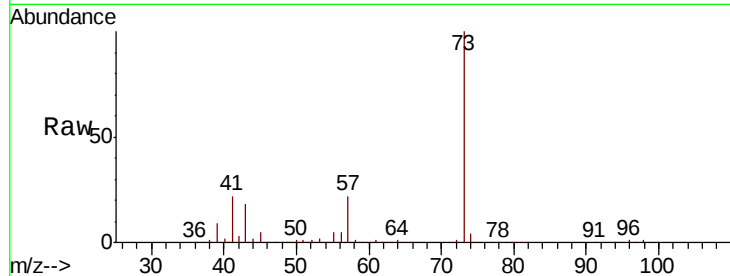
Methyl tert-butyl Ether
 Concen: 21.44 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.00 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905MBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.1	25.7

Manual Integrations
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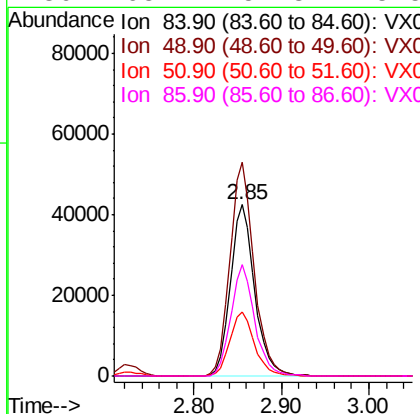
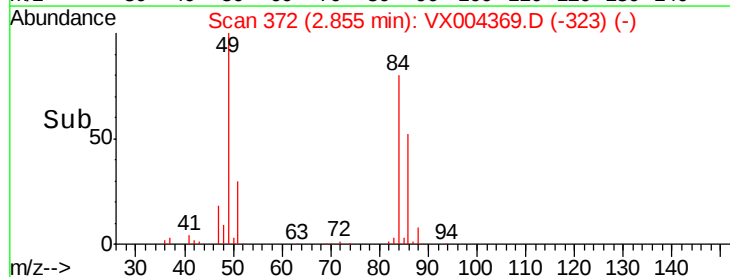
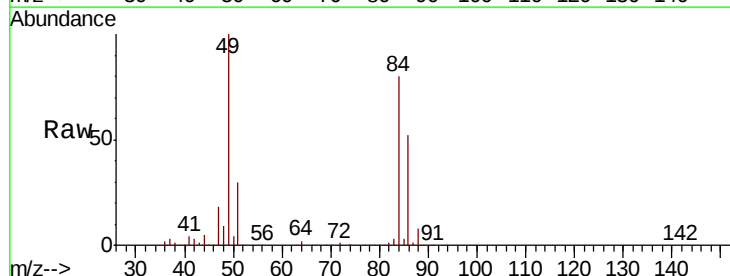
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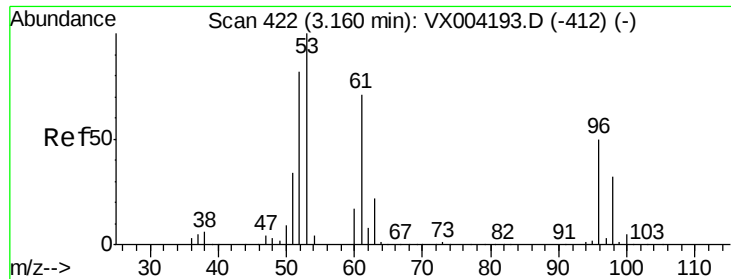


#20

Methylene Chloride
 Concen: 20.79 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.8	101.2	151.8
51	37.3	29.5	44.3
86	65.4	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 18.63 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Instrument :

MSVOA_X

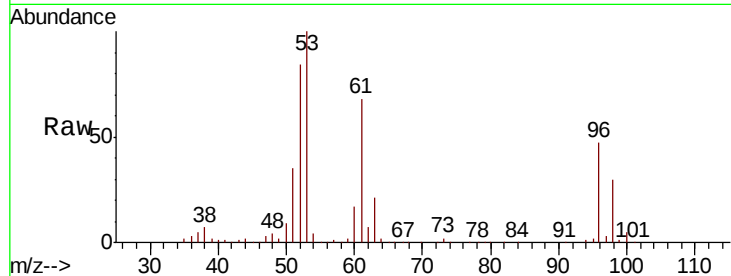
ClientSampleId :

VX0905MBSD01

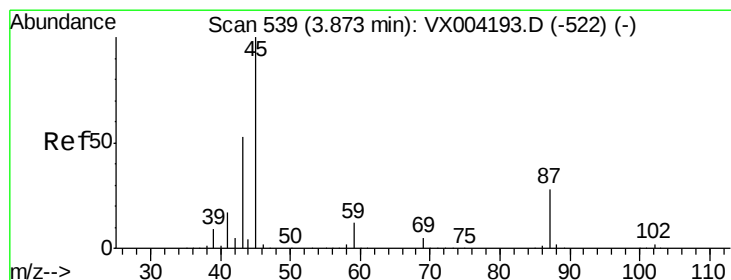
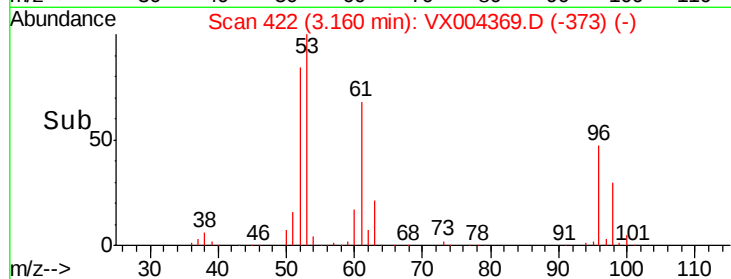
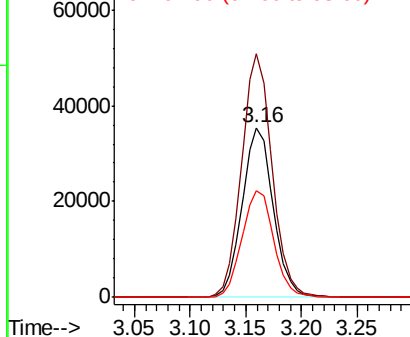
Tot Ion:	96	Resp:	68661
Ion	Ratio	Lower	Upper
96	100		
61	143.2	113.8	170.6
98	62.9	51.8	77.8

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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 21.31 ug/l

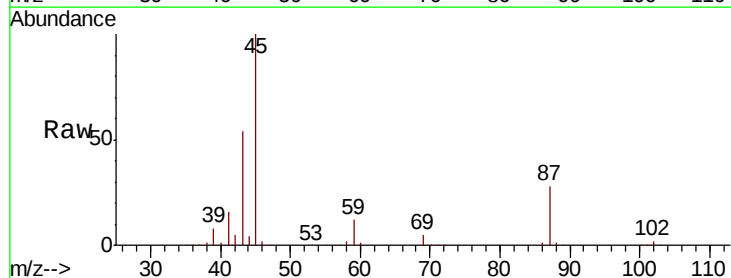
RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

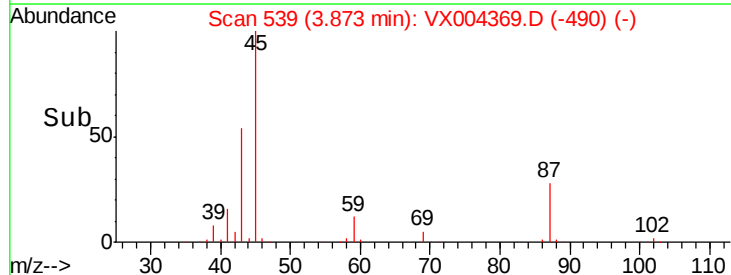
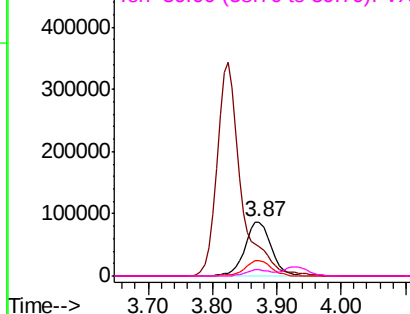
Lab File: VX004369.D

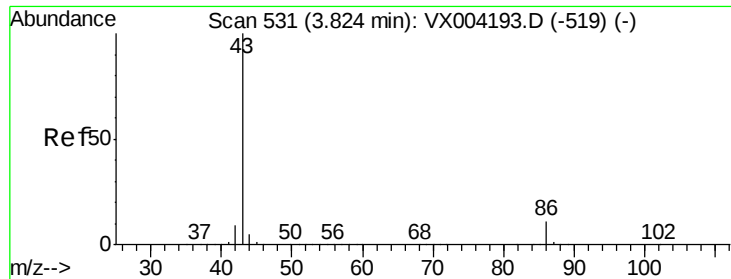
Acq: 05 Sep 2018 14:02

Tgt Ion:	45	Resp:	243423
Ion	Ratio	Lower	Upper
45	100		
43	54.0	42.8	64.2
87	27.8	22.6	34.0
59	12.1	9.6	14.4



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





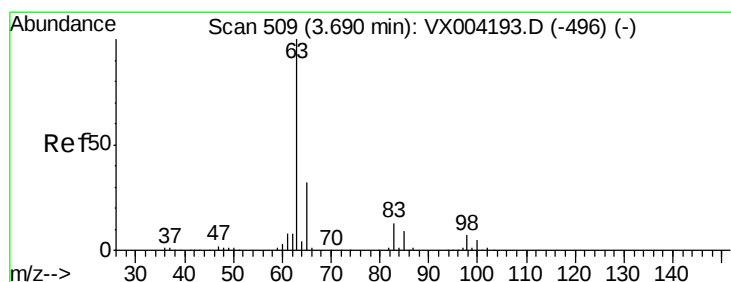
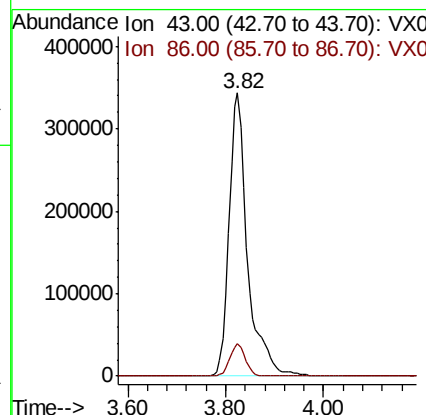
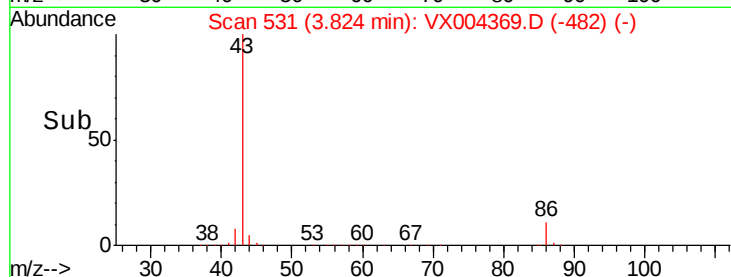
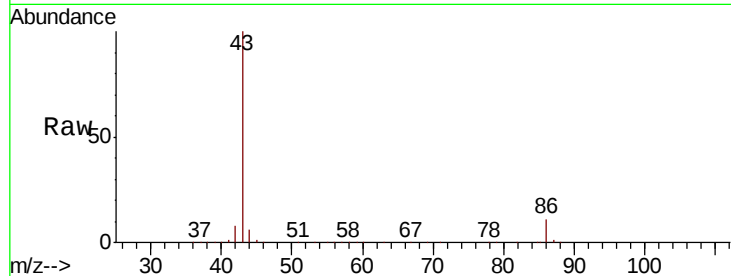
#23
 Vinyl Acetate
 Concen: 96.83 ug/l
 RT: 3.82 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	11.3	8.9	13.3

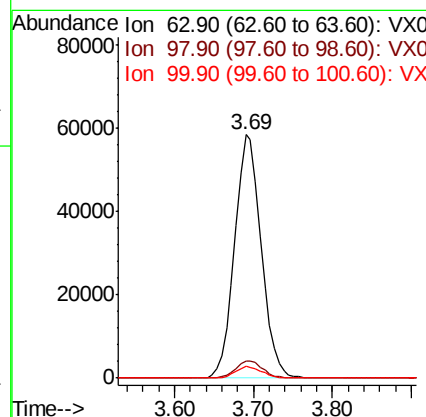
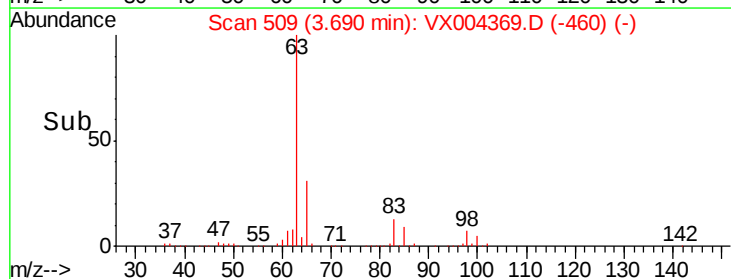
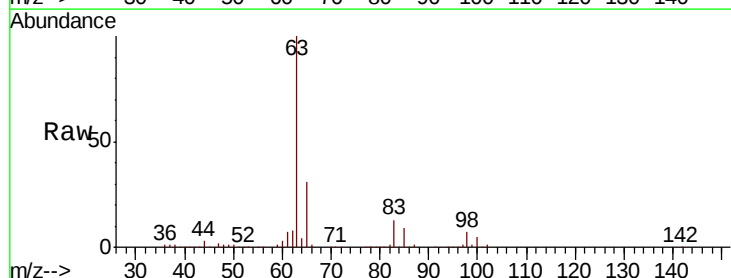
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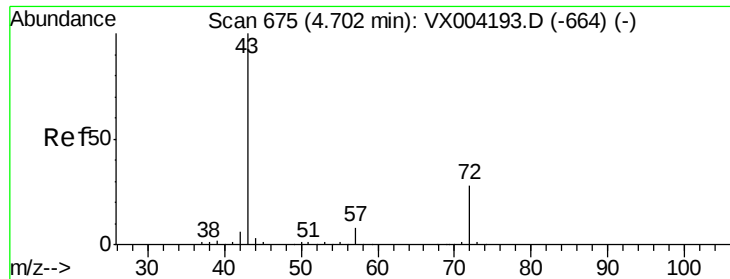
MMDadoda
 9/6/2018 12:48:37 PM



#24
 1,1-Dichloroethane
 Concen: 20.56 ug/l
 RT: 3.69 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.5	10.4
100	4.7	2.4	7.1





#25

2-Butanone

Concen: 105.34 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

VX0905MBSD01

Tot Ion: 43 Resp: 293731

Ion Ratio Lower Upper

43 100

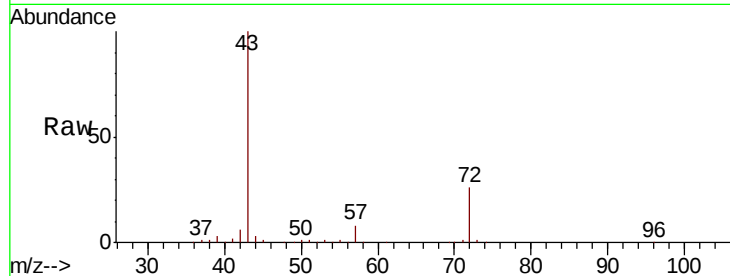
72 26.4 22.0 33.0

Manual Integrations

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MMDadoda

9/6/2018 12:48:37 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

120000

100000

80000

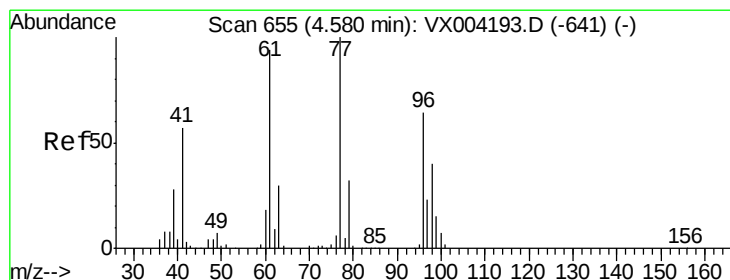
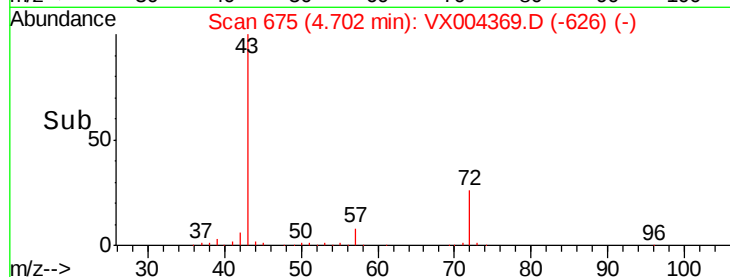
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 20.12 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004369.D

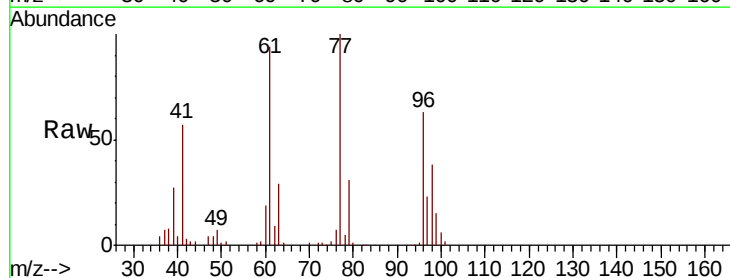
Acq: 05 Sep 2018 14:02

Tgt Ion: 77 Resp: 105086

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

40000

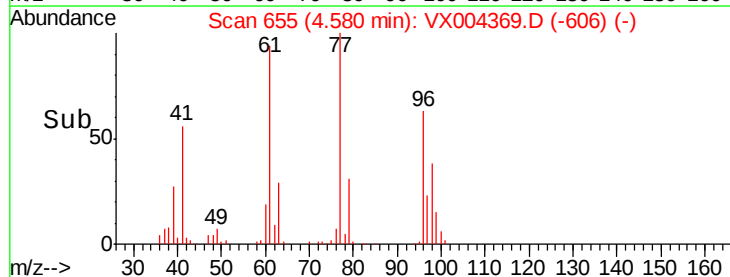
30000

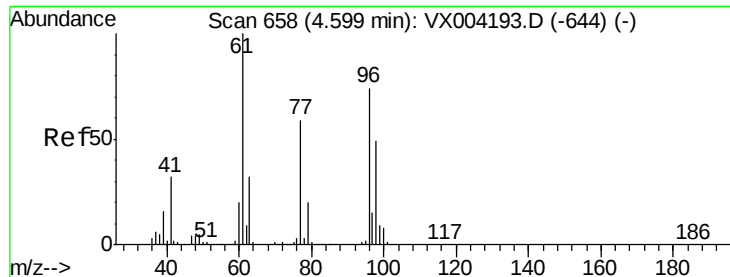
20000

10000

0

Time-->





#27

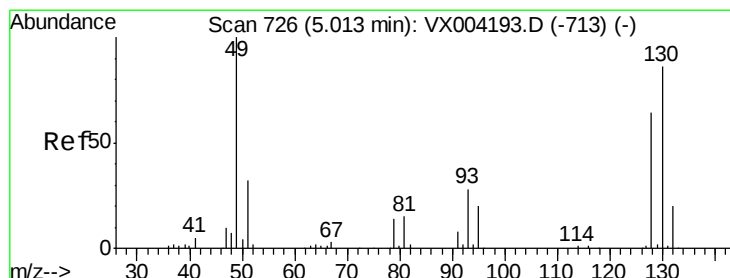
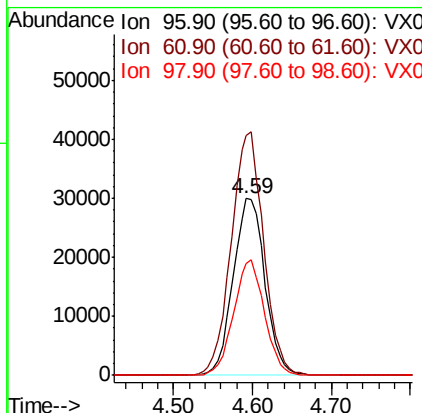
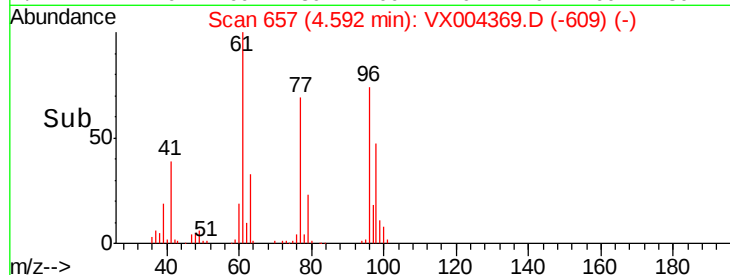
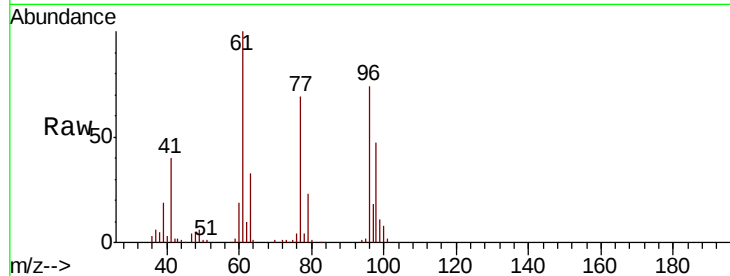
cis-1,2-Dichloroethene
 Concen: 20.07 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.6	0.0	282.6
98	63.3	0.0	130.2

Manual Integrations
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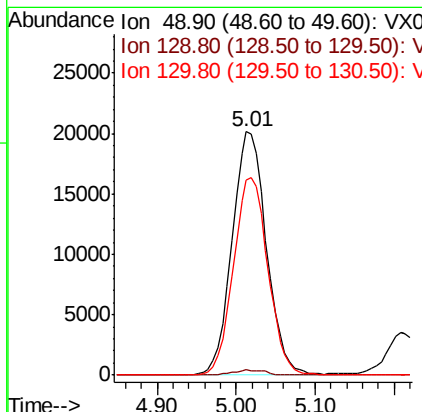
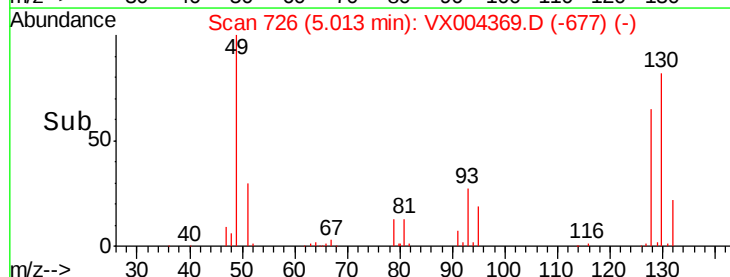
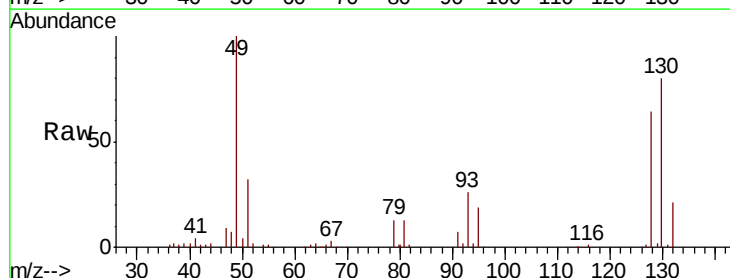
MMDadoda
 9/6/2018 12:48:37 PM

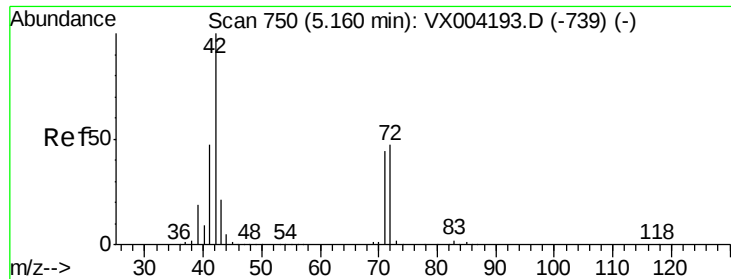


#28

Bromochloromethane
 Concen: 20.67 ug/l
 RT: 5.01 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	81.5	67.5	101.3





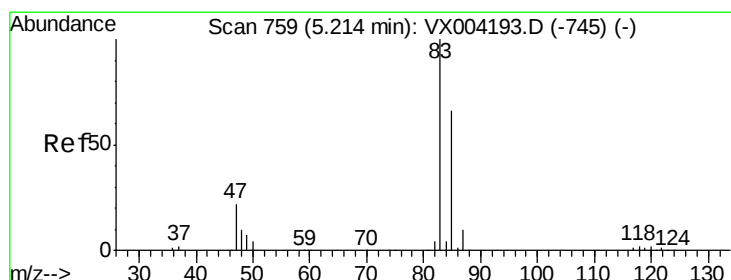
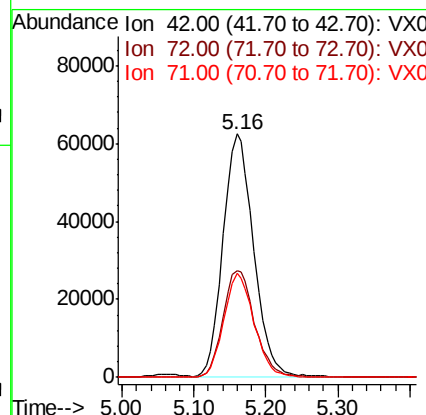
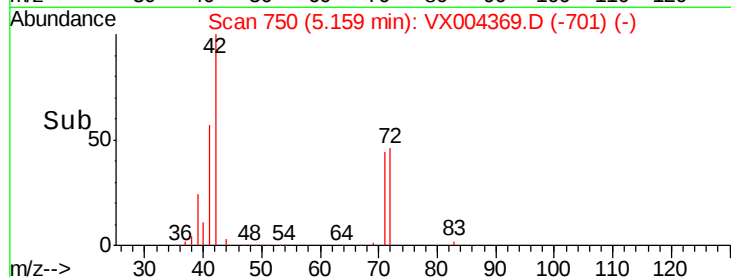
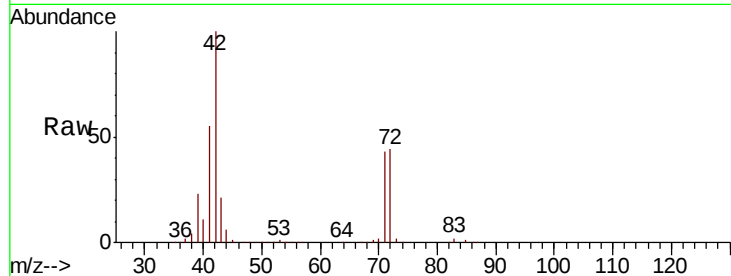
#29
Tetrahydrofuran
Concen: 104.40 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Instrument :
MSVOA_X
ClientSampleId :
VX0905MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	37.4	56.0
71	42.4	34.5	51.7

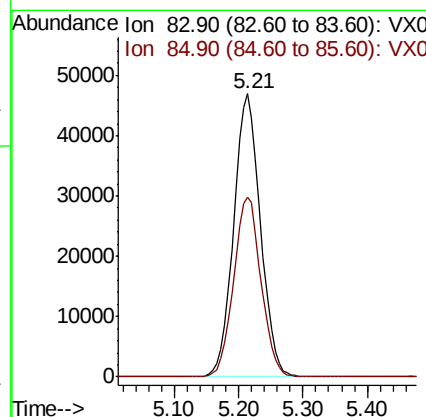
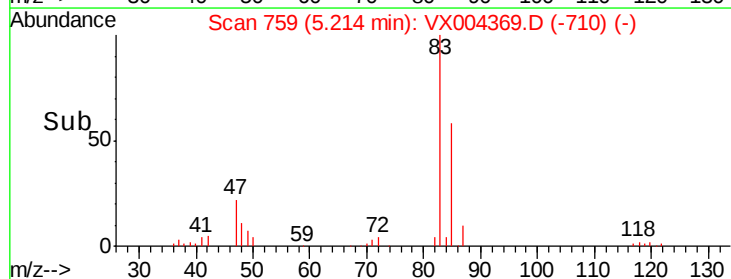
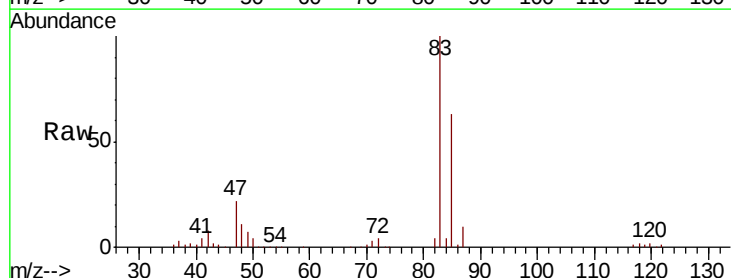
Manual Integrations
APPROVED

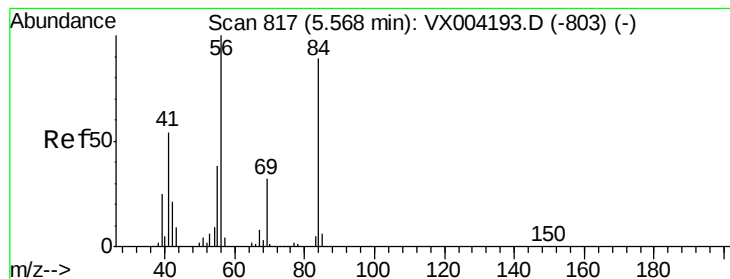
MMDadoda
9/6/2018 12:48:37 PM



#30
Chloroform
Concen: 20.40 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.6	79.0





#31

Cyclohexane

Concen: 19.55 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Instrument :

MSVOA_X

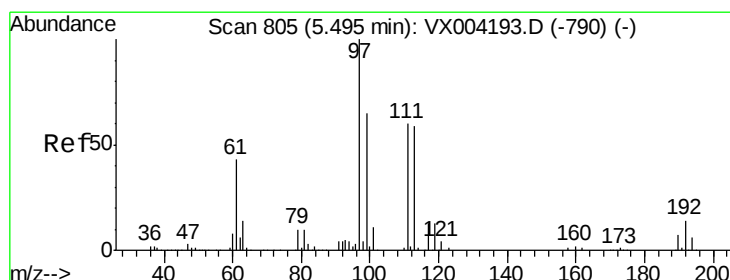
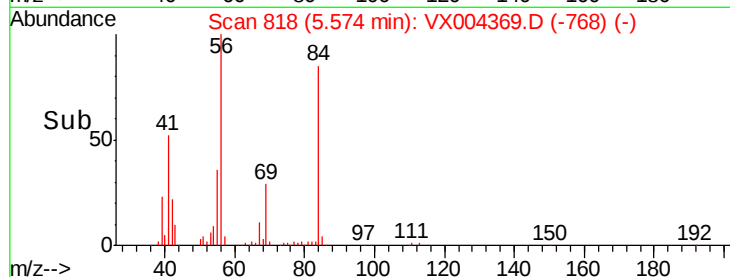
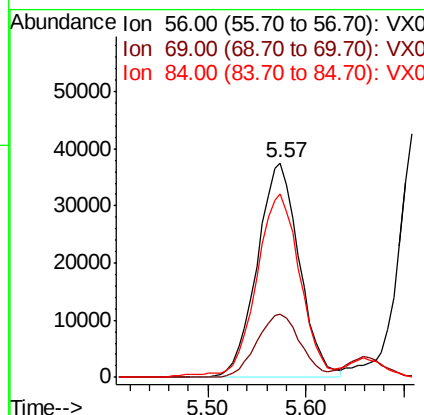
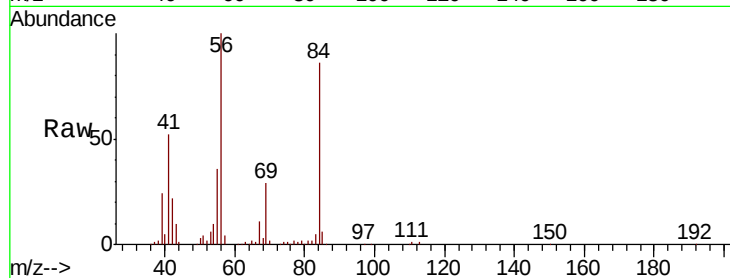
ClientSampled :

VX0905MBSD01

Tot Ion:	56	Resp:	112310
Ion	Ratio	Lower	Upper
56	100		
69	29.4	25.4	38.2
84	84.4	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.87 ug/l

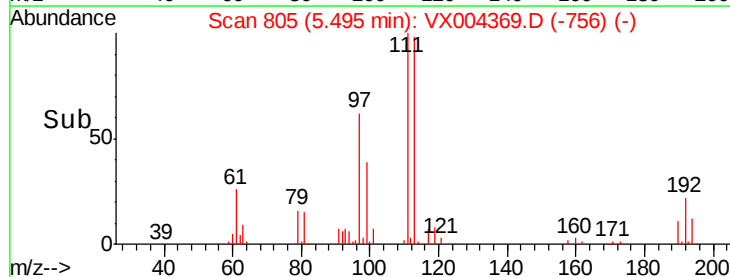
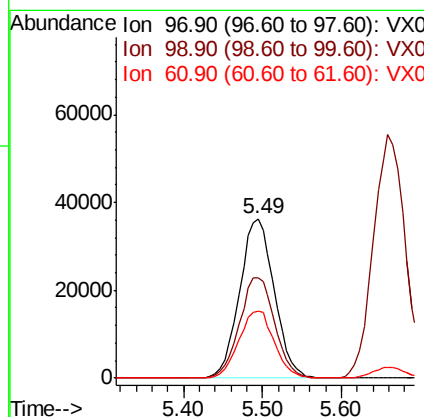
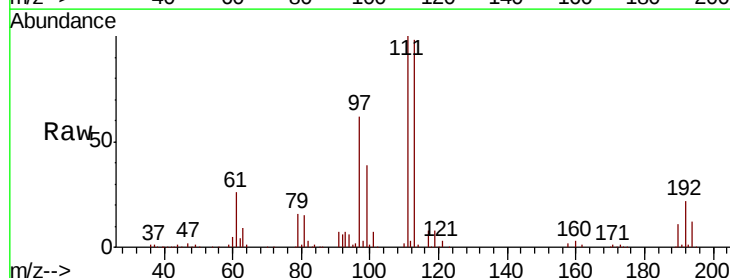
RT: 5.49 min Scan# 805

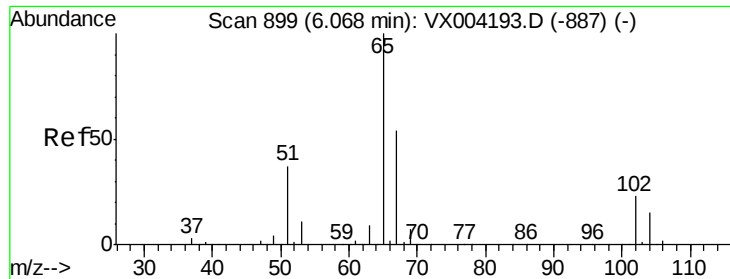
Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Tgt Ion:	97	Resp:	110628
Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.0	78.0
61	43.3	34.9	52.3





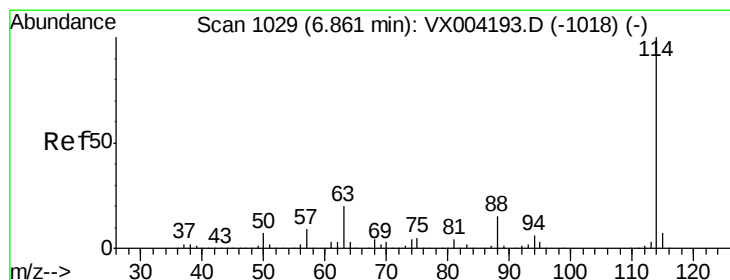
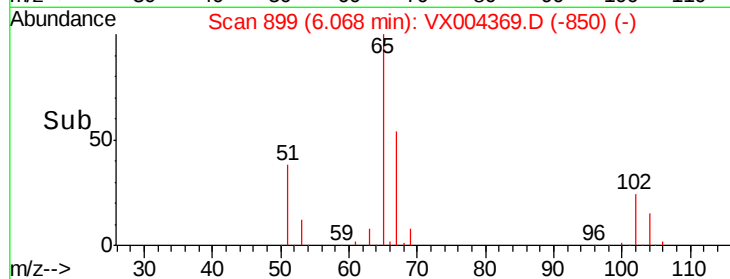
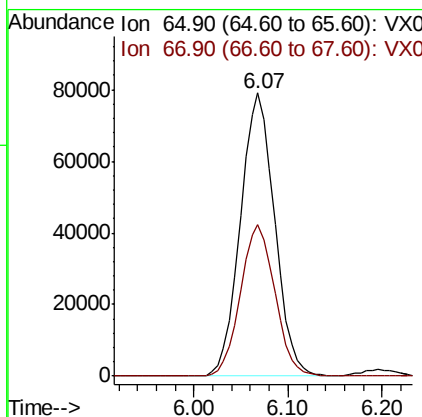
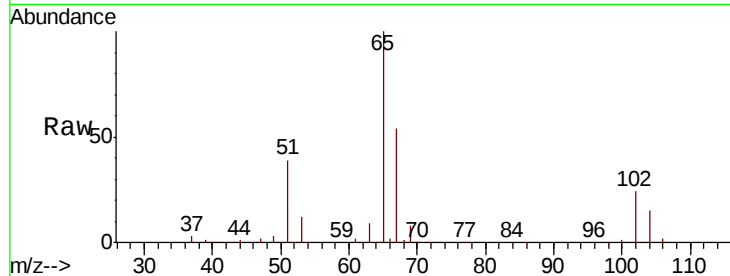
#33
 1,2-Dichloroethane-d4
 Concen: 48.89 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	200328		
67	54.0	0.0	106.8	

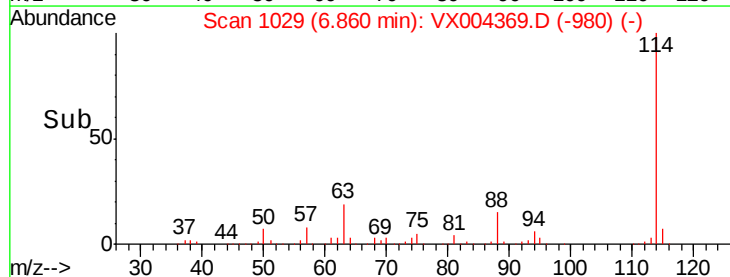
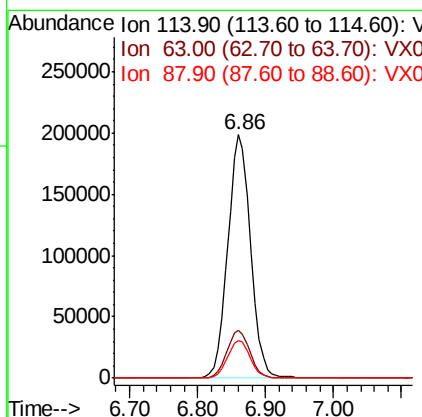
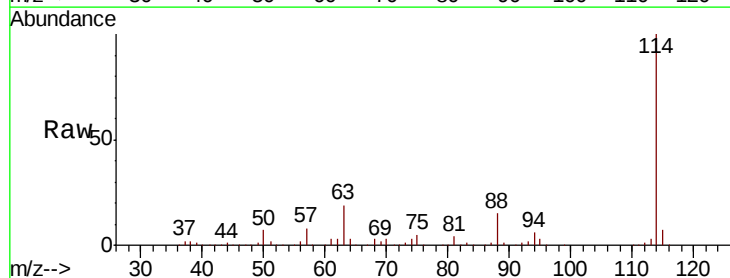
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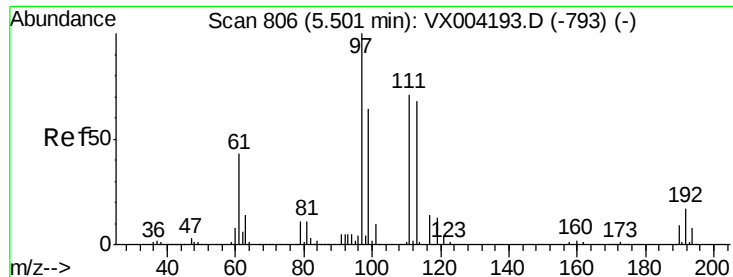
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	459759		
63	19.4	0.0	39.0	
88	15.4	0.0	30.4	





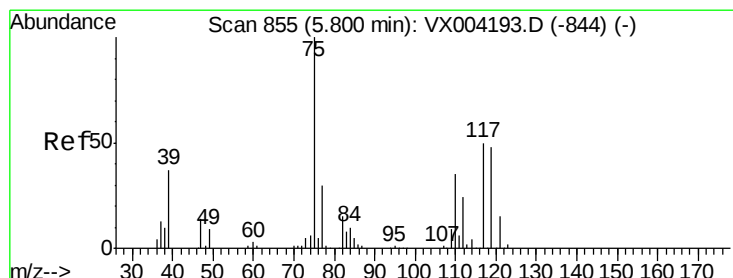
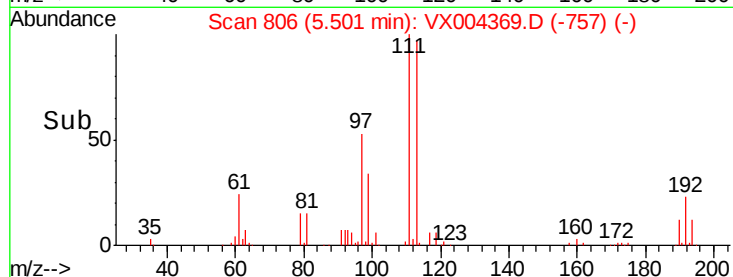
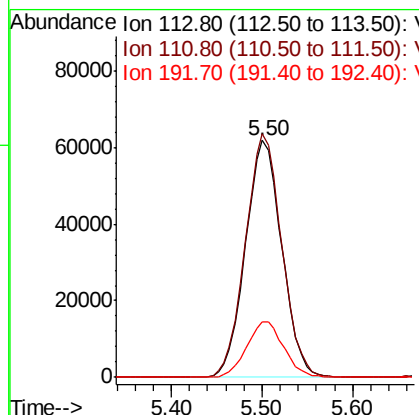
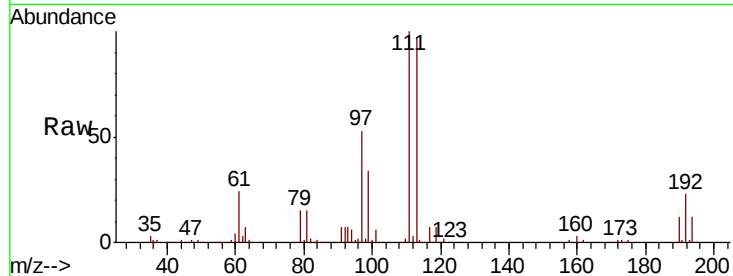
#35
 Dibromofluoromethane
 Concen: 50.27 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	171938		
111	102.9	82.4	123.6	
192	23.9	19.4	29.2	

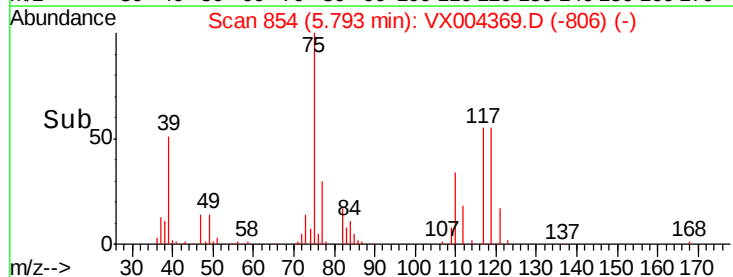
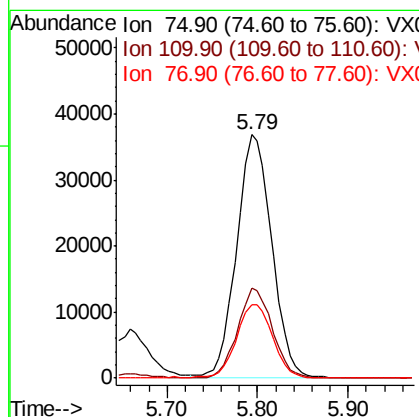
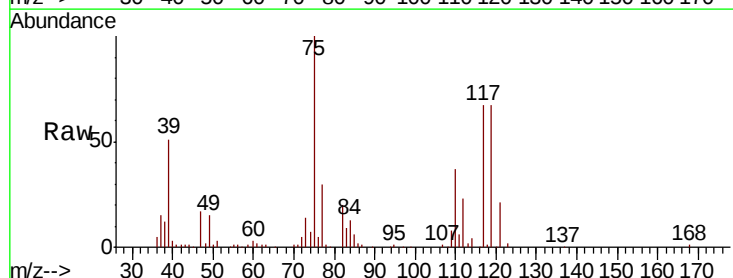
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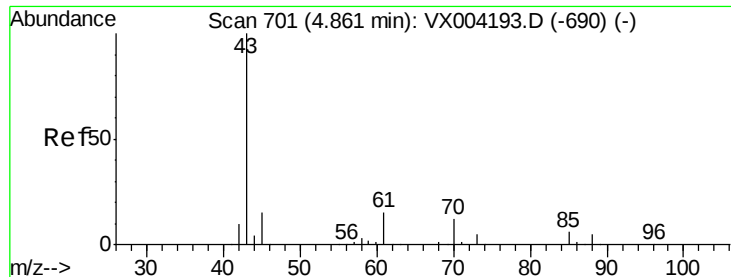
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#36
 1,1-Dichloropropene
 Concen: 19.05 ug/l
 RT: 5.79 min Scan# 854
 Delta R.T. -0.01 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	98486		
110	36.7	18.0	54.0	
77	31.3	24.6	36.8	





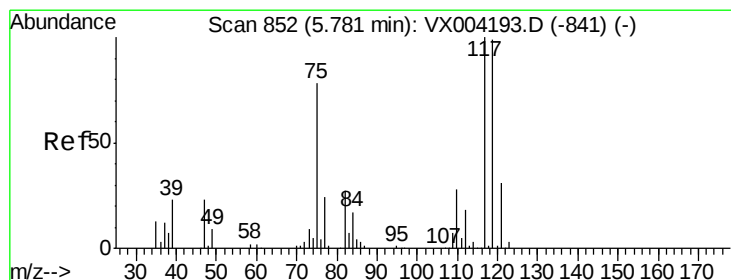
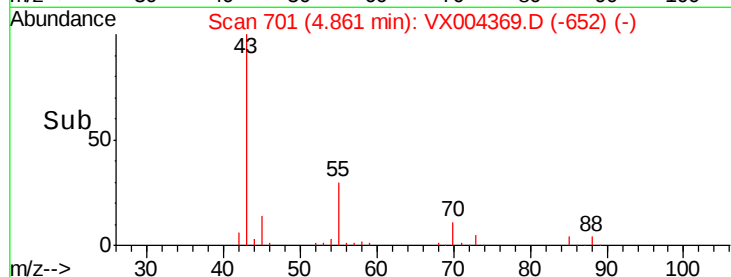
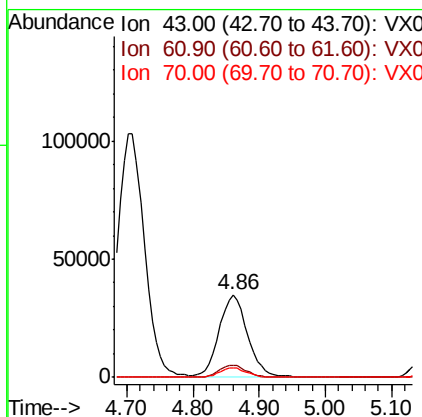
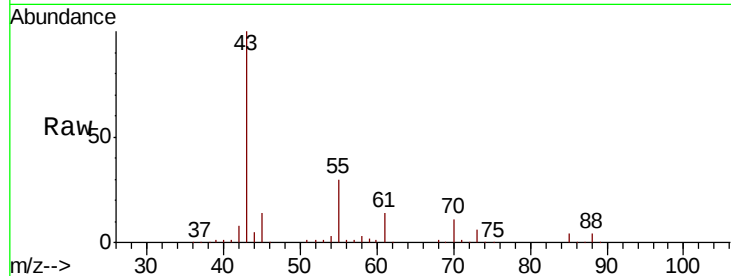
#37
Ethyl Acetate
Concen: 20.37 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Instrument :
MSVOA_X
ClientSampleId :
VX0905MBS01

Tot Ion:	43	Resp:	103528
Ion Ratio	Lower	Upper	
43	100		
61	14.5	11.5	17.3
70	11.5	9.0	13.6

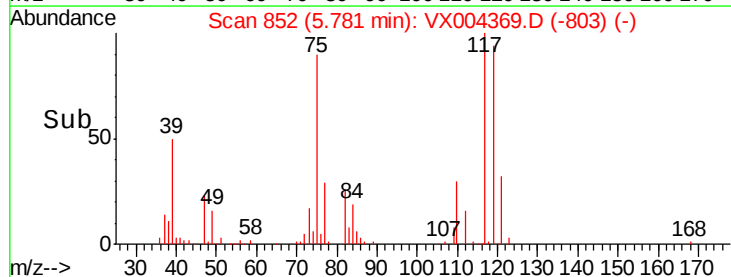
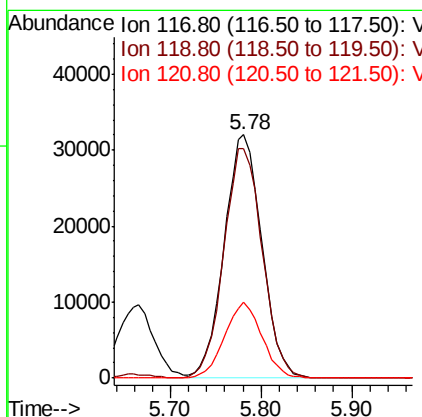
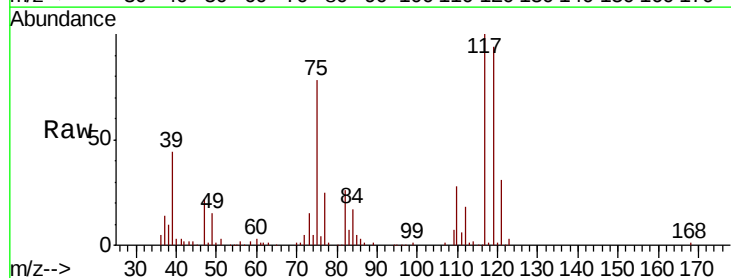
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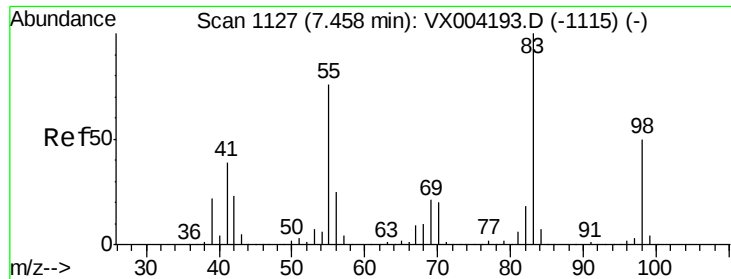
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#38
Carbon Tetrachloride
Concen: 19.01 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Tgt Ion:	117	Resp:	92428
Ion Ratio	Lower	Upper	
117	100		
119	94.5	78.8	118.2
121	31.0	24.9	37.3





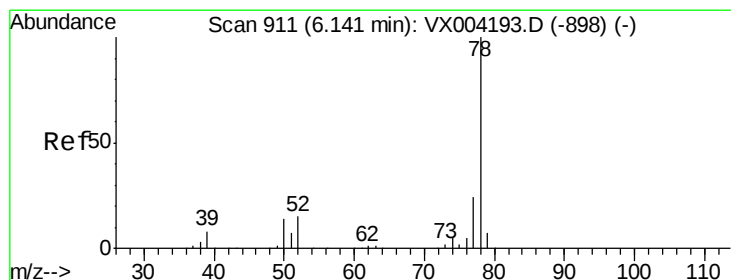
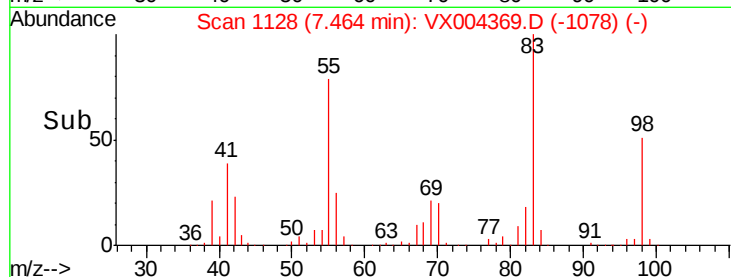
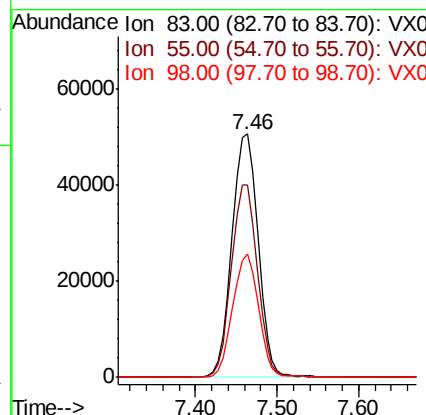
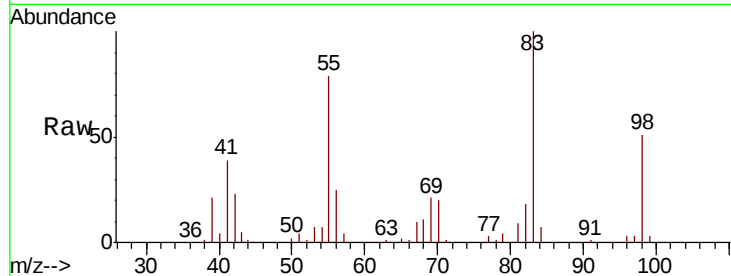
#39
Methvlcvclohexane
Concen: 19.11 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Instrument :
MSVOA_X
ClientSampleId :
VX0905MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.8	61.0	91.4	
98	50.8	39.6	59.4	

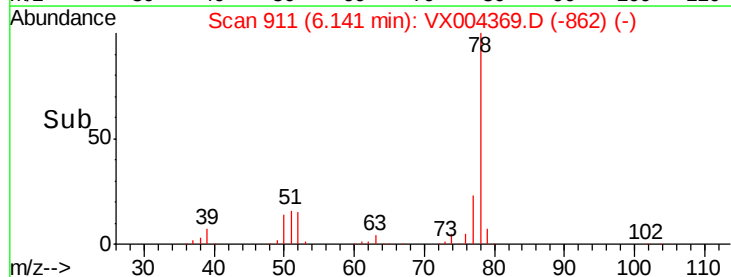
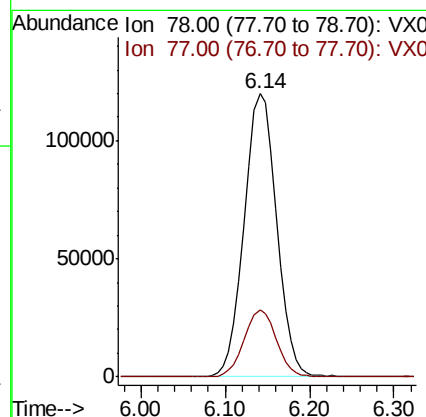
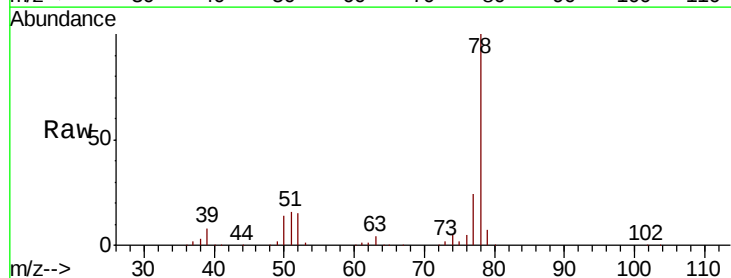
Manual Integrations
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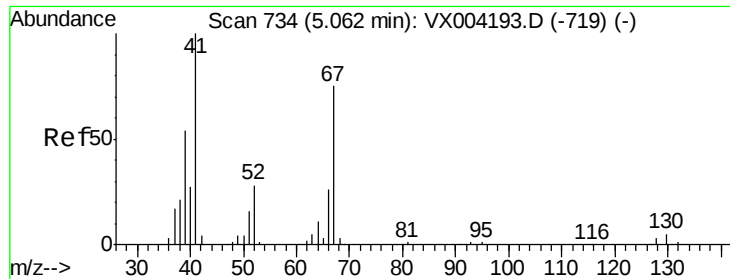
MMDadoda
9/6/2018 12:48:37 PM



#40
Benzene
Concen: 20.24 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	19.0	28.4	





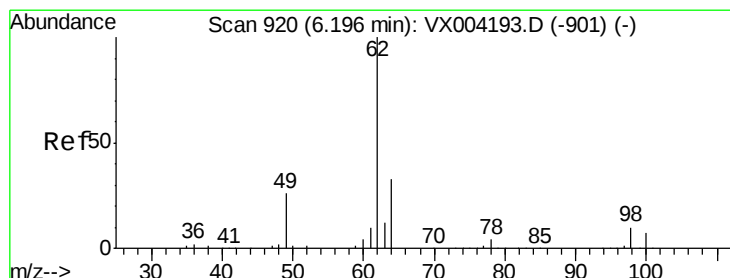
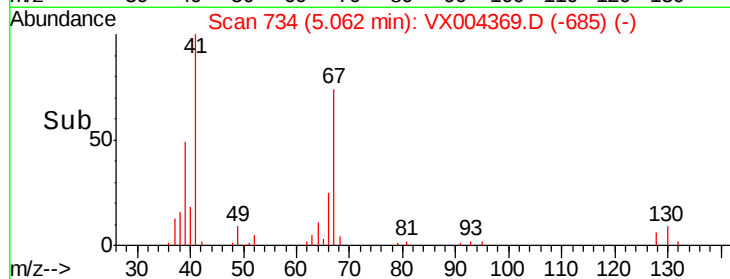
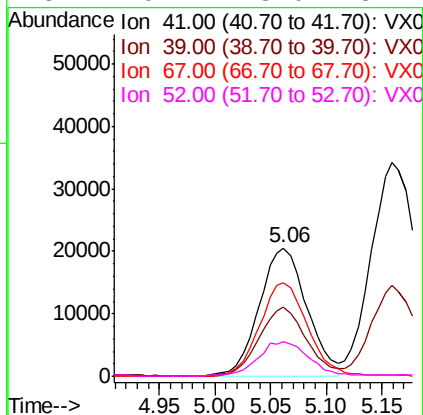
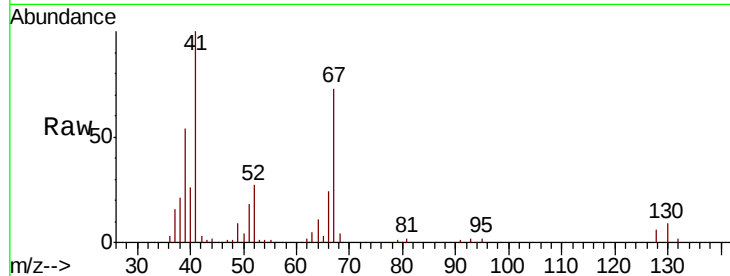
#41
Methacrylonitrile
Concen: 20.85 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Instrument :
MSVOA_X
ClientSampleId :
VX0905MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.7	42.4	63.6	
67	73.5	59.2	88.8	
52	29.1	23.0	34.4	

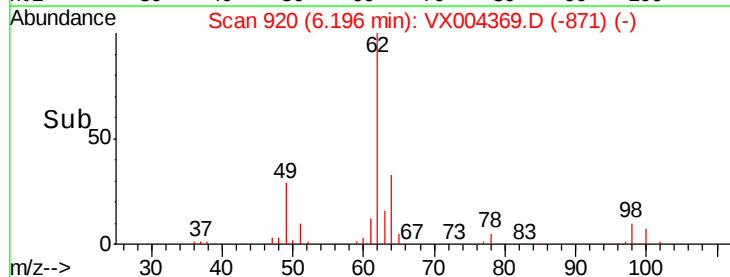
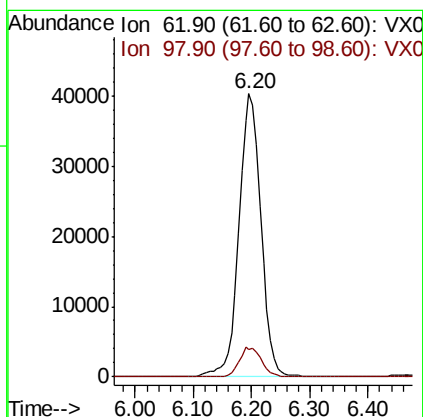
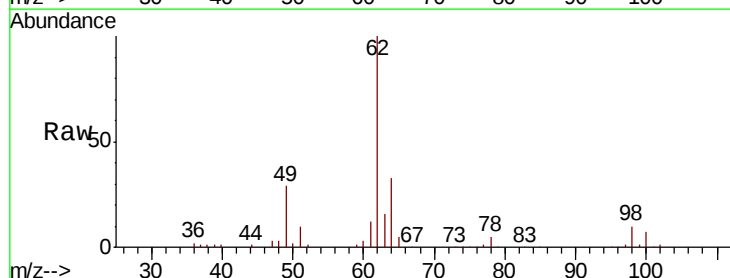
Manual Integrations
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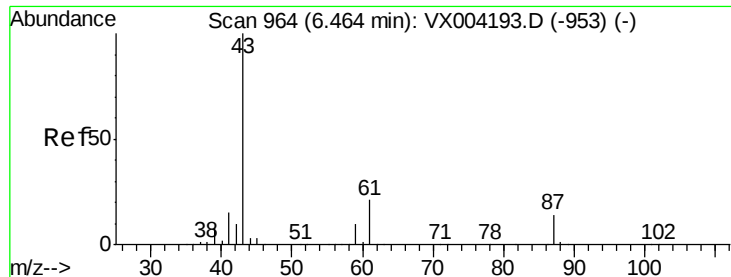
MMDadoda
9/6/2018 12:48:37 PM



#42
1,2-Dichloroethane
Concen: 20.04 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.3	0.0	20.6	





#43

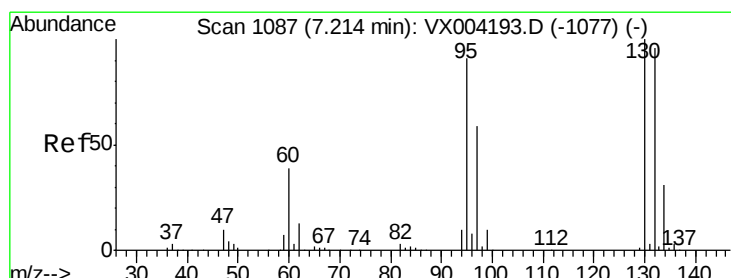
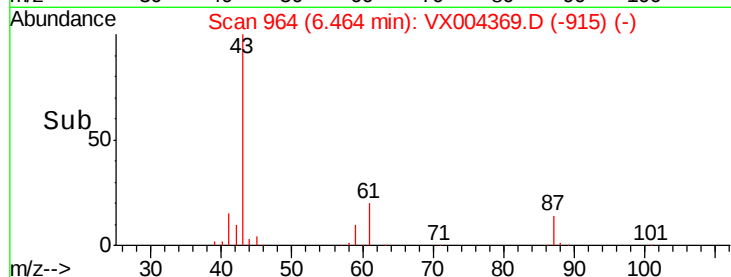
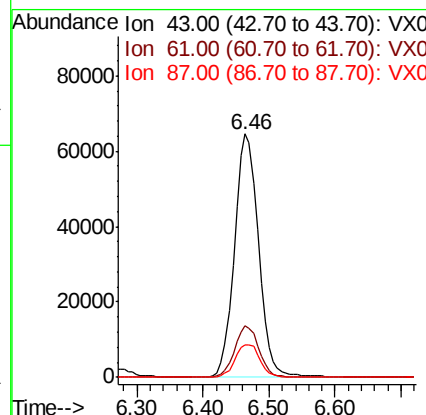
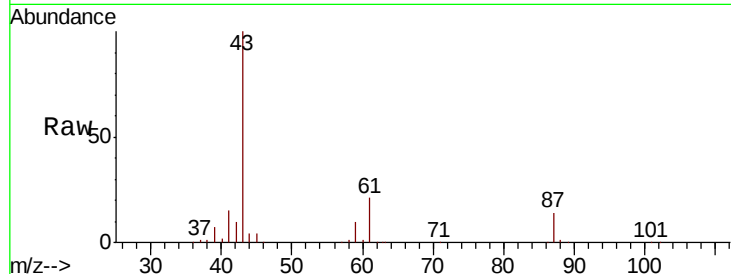
Isopropyl Acetate
 Concen: 20.76 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905MBSD01

Tot Ion	43	61	87
Resp	162176		
Ratio	100	21.4	13.9
Lower		17.0	11.4
Upper		25.4	17.2

Manual Integrations
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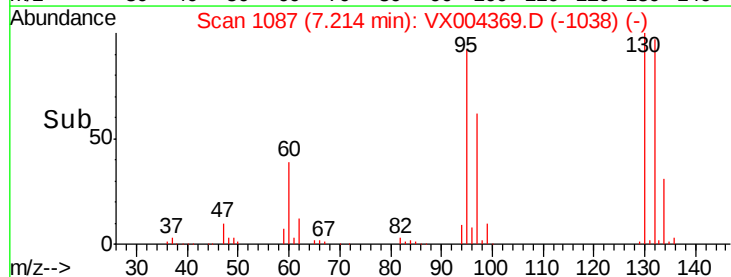
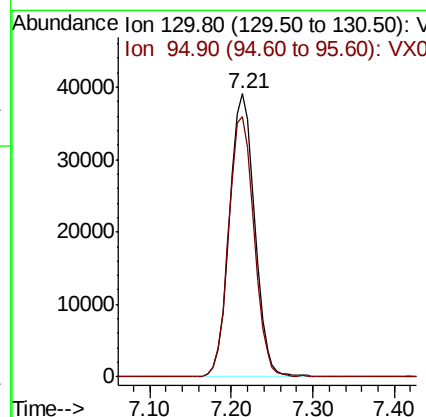
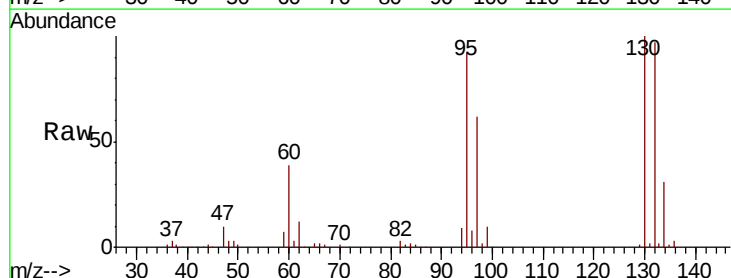
MMDadoda
 9/6/2018 12:48:37 PM

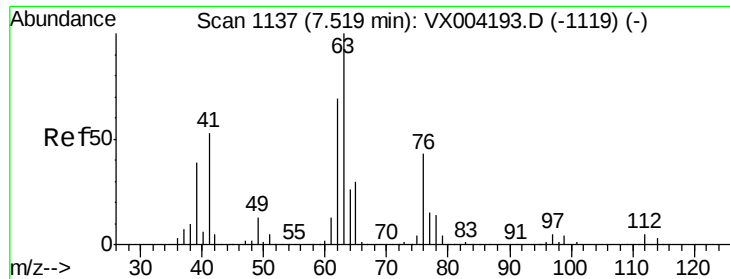


#44

Trichloroethene
 Concen: 19.49 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Tgt Ion	130	95
Resp	83306	
Ratio	100	91.9
Lower		0.0
Upper		181.6





#45

1,2-Dichloropropane

Concen: 21.03 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

VX0905MBSD01

Tot Ion: 63 Resp: 81305

Ion Ratio Lower Upper

63 100

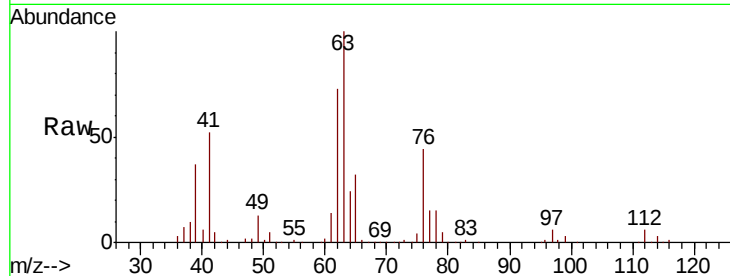
65 31.9 24.3 36.5

Manual Integrations

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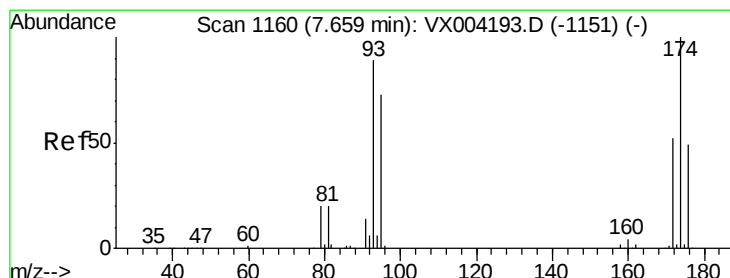
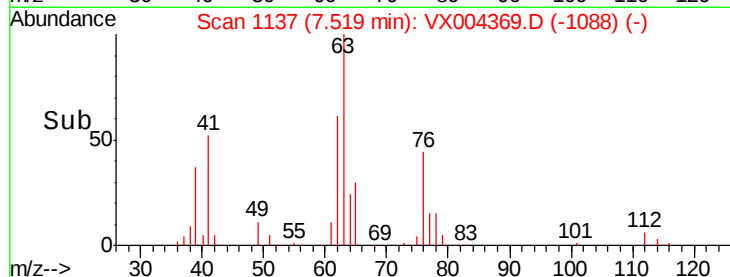
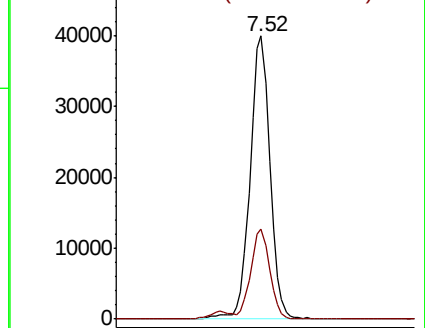
MMDadoda

9/6/2018 12:48:37 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.78 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

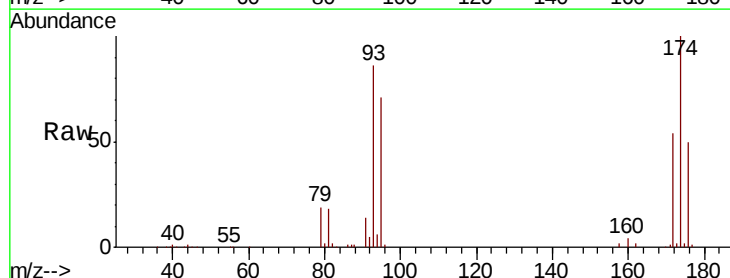
Tgt Ion: 93 Resp: 50911

Ion Ratio Lower Upper

93 100

95 81.4 65.5 98.3

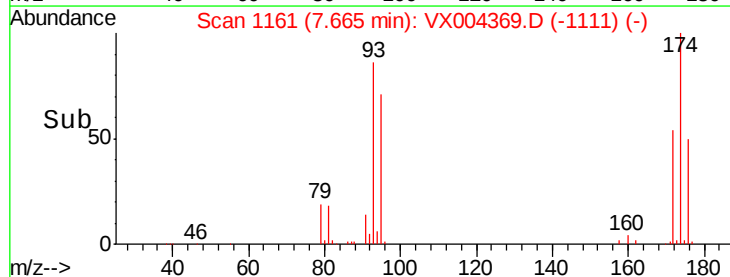
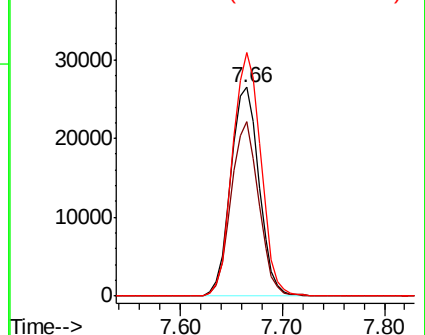
174 116.9 94.2 141.4

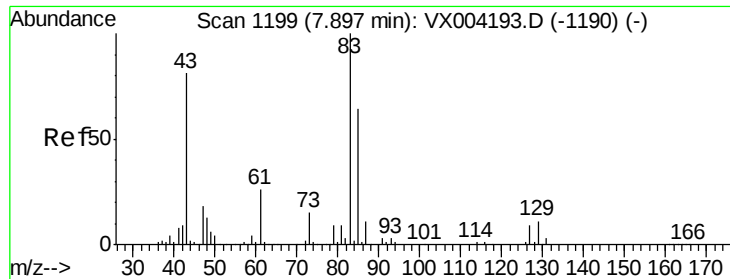


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.37 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Instrument :

MSVOA_X

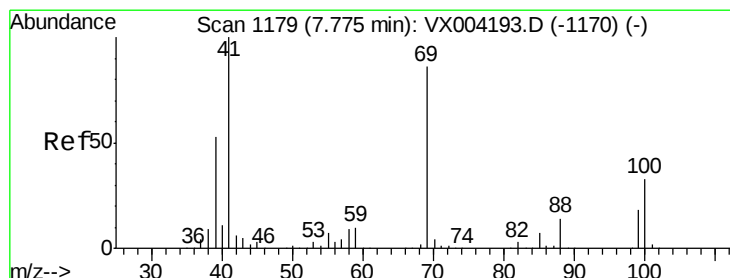
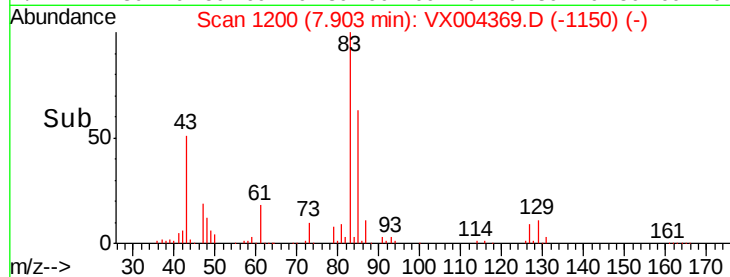
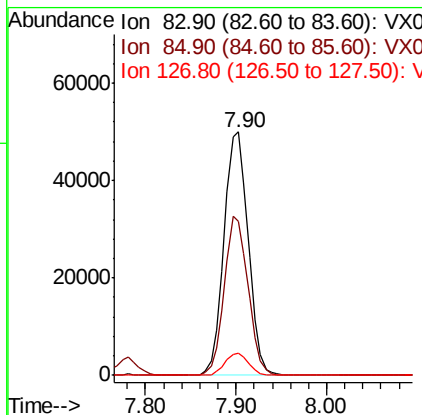
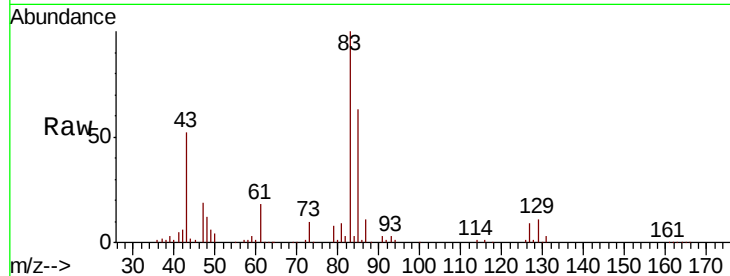
ClientSampleId :

VX0905MBSD01

Tot Ion:	83	Resp:	92747
Ion Ratio	Lower	Upper	
83	100		
85	63.2	50.9	76.3
127	9.0	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.40 ug/l

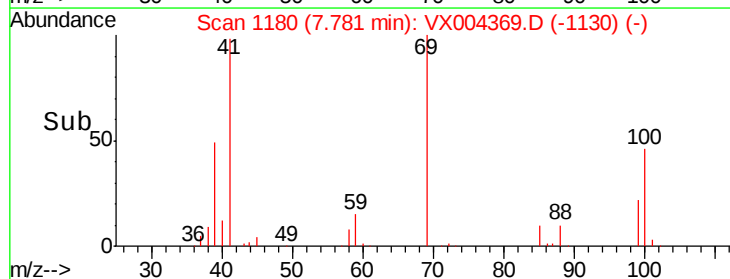
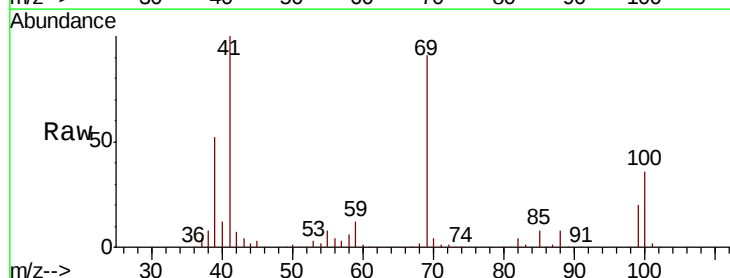
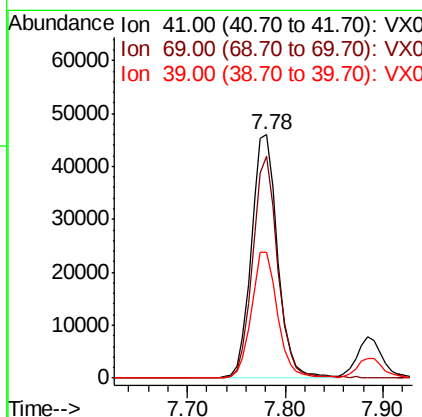
RT: 7.78 min Scan# 1180

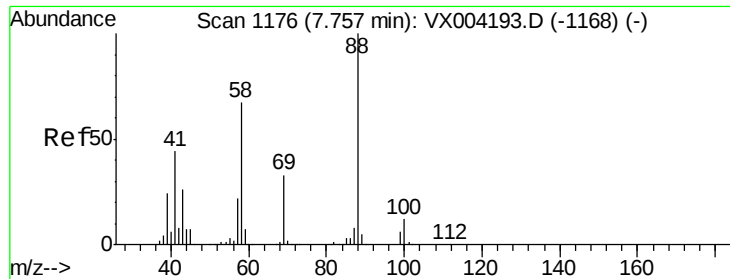
Delta R.T. 0.01 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Tgt Ion:	41	Resp:	85271
Ion Ratio	Lower	Upper	
41	100		
69	87.9	70.2	105.4
39	52.0	42.7	64.1





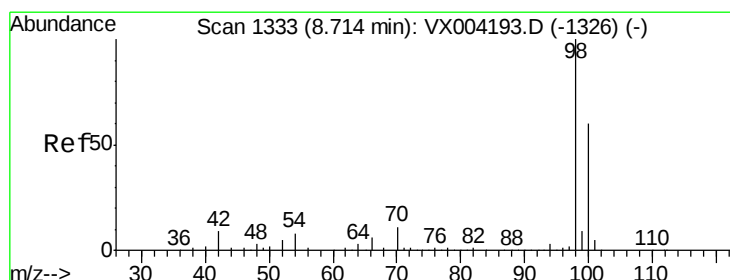
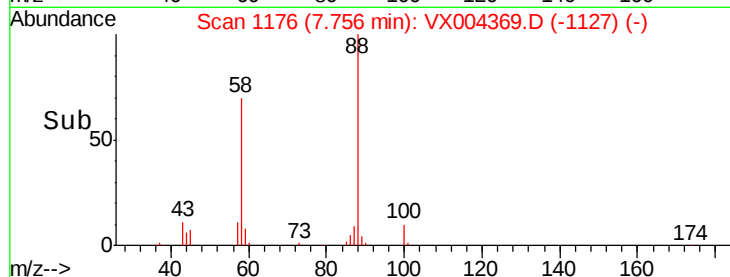
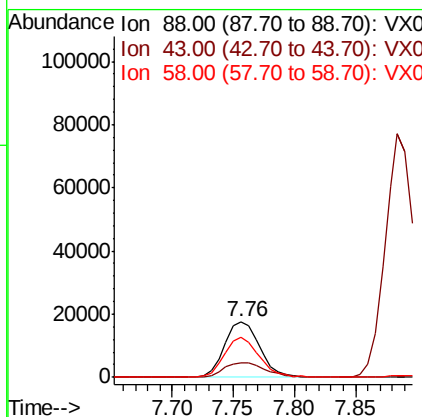
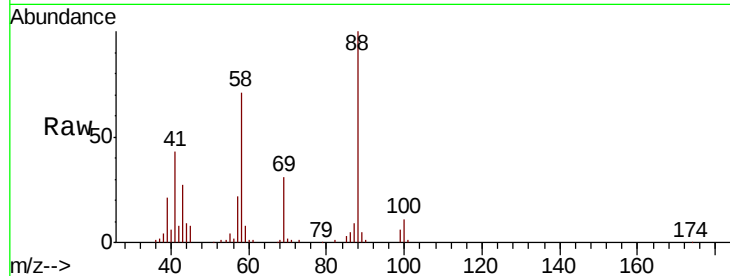
#49
1,4-Dioxane
Concen: 372.62 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Instrument :
MSVOA_X
ClientSampleId :
VX0905MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.6	24.7	37.1
58	70.8	55.3	82.9

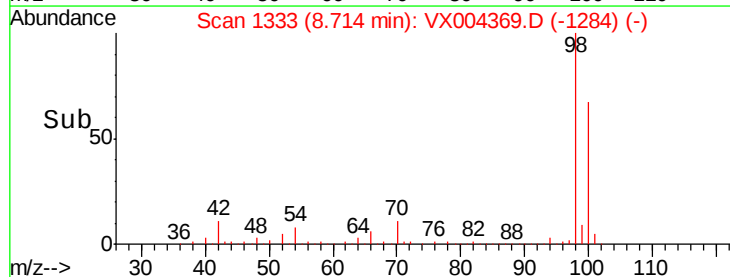
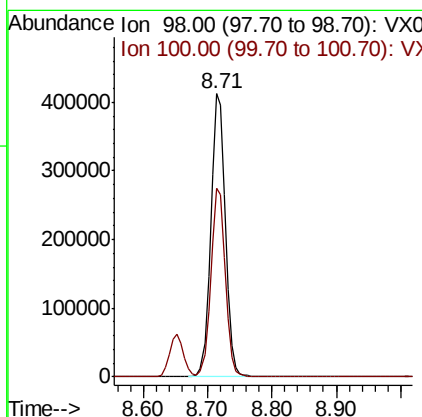
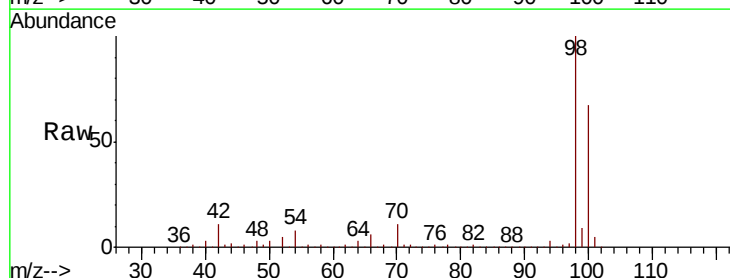
Manual Integrations
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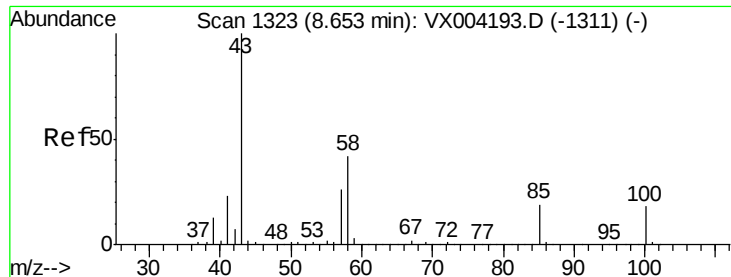
MMDadoda
9/6/2018 12:48:37 PM



#50
Toluene-d8
Concen: 50.58 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 99.71 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

VX0905MBSD01

Tot Ion: 43 Resp: 565890

Ion Ratio Lower Upper

43 100

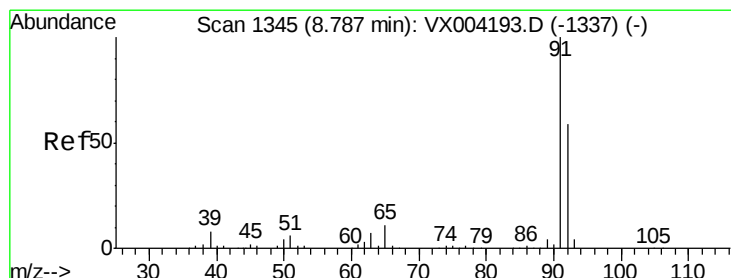
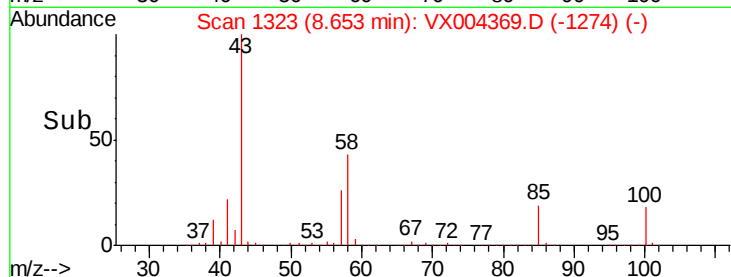
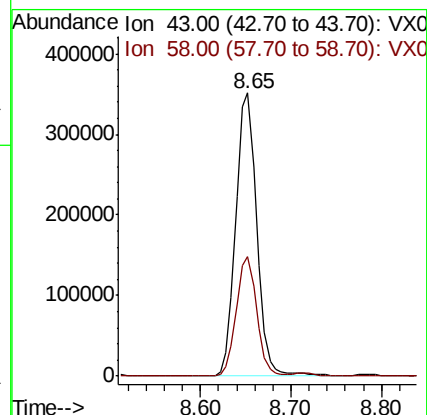
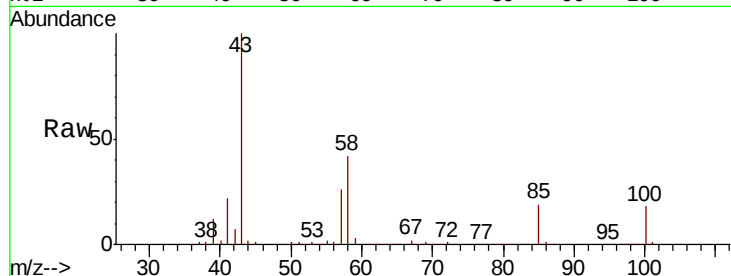
58 41.1 33.1 49.7

Manual Integrations

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9/6/2018 12:48:37 PM



#52

Toluene

Concen: 20.39 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004369.D

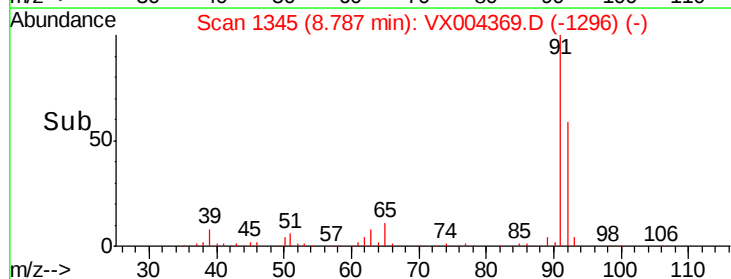
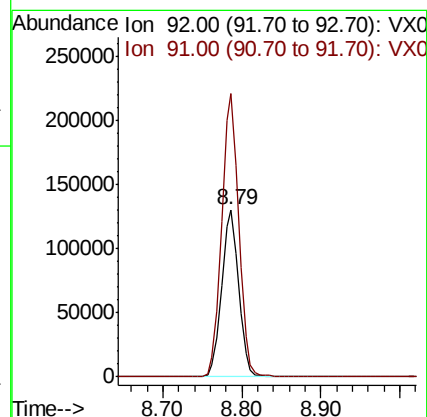
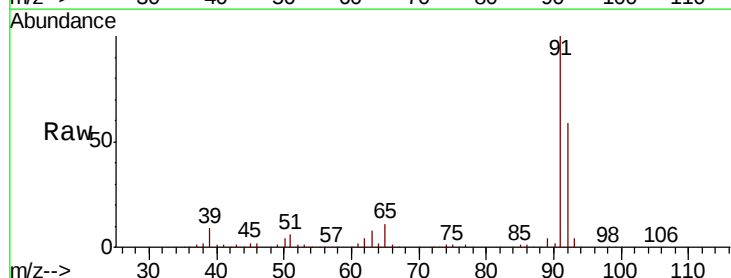
Acq: 05 Sep 2018 14:02

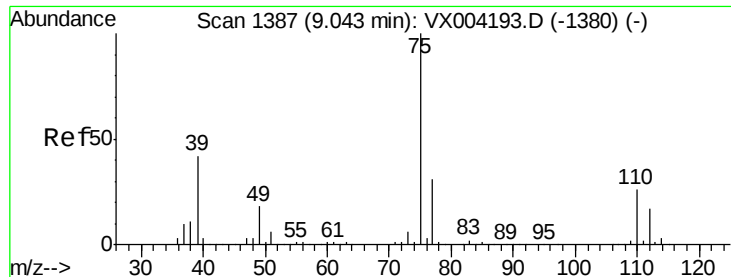
Tgt Ion: 92 Resp: 197110

Ion Ratio Lower Upper

92 100

91 170.5 136.4 204.6





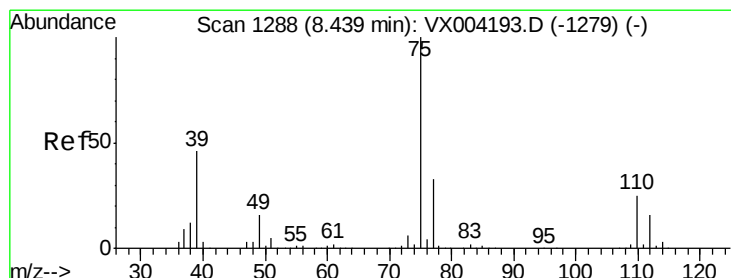
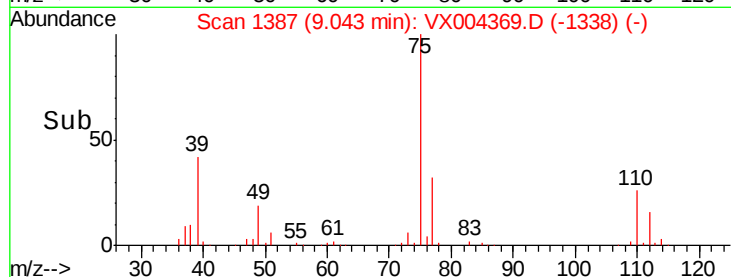
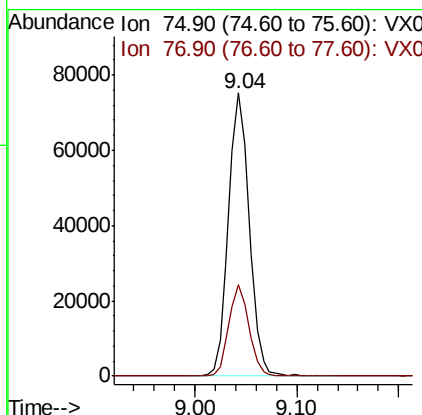
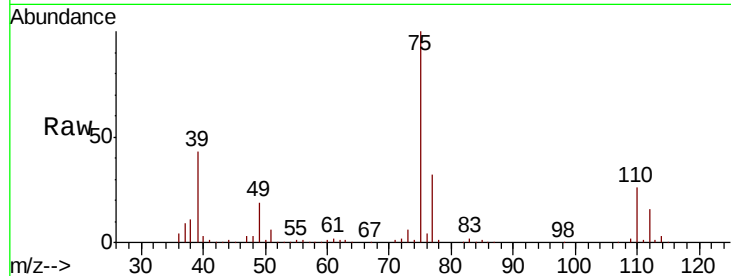
#53
t-1,3-Dichloropropene
Concen: 20.06 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Instrument :
MSVOA_X
ClientSampleId :
VX0905MBSD01

Tot Ion: 75 Resp: 106110
Ion Ratio Lower Upper
75 100
77 32.1 24.6 37.0

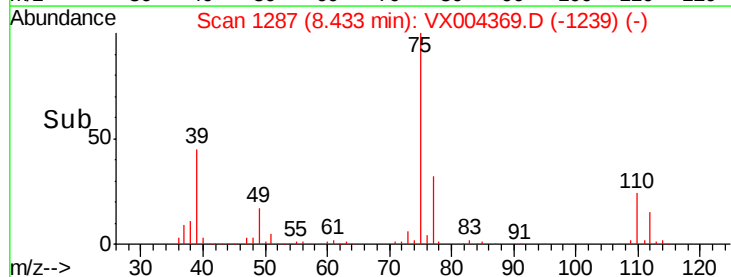
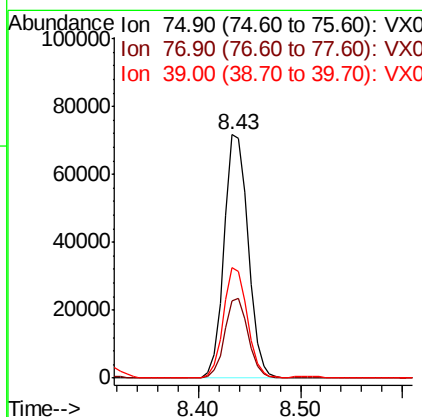
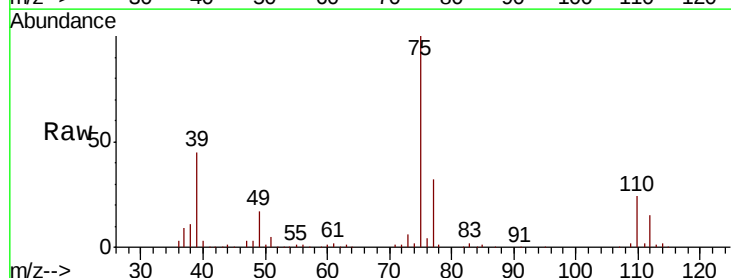
Manual Integrations
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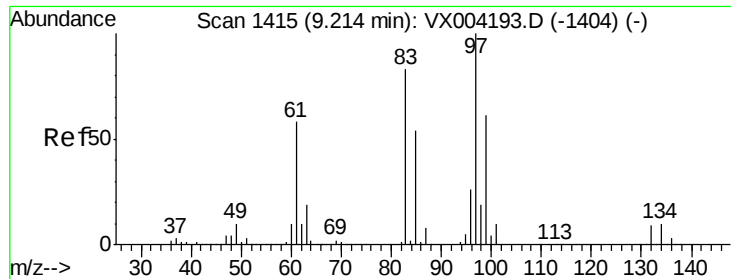
MMDadoda
9/6/2018 12:48:37 PM



#54
cis-1,3-Dichloropropene
Concen: 20.39 ug/l
RT: 8.43 min Scan# 1287
Delta R.T. -0.01 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Tgt Ion: 75 Resp: 117476
Ion Ratio Lower Upper
75 100
77 31.5 26.2 39.2
39 45.1 36.4 54.6





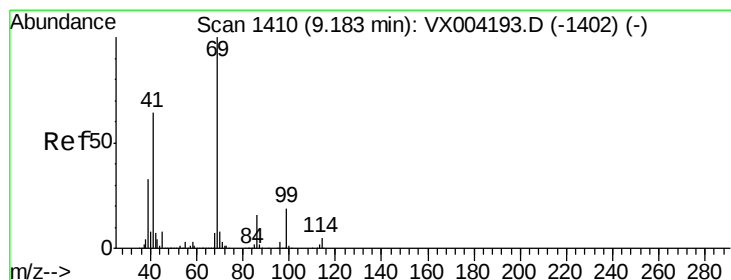
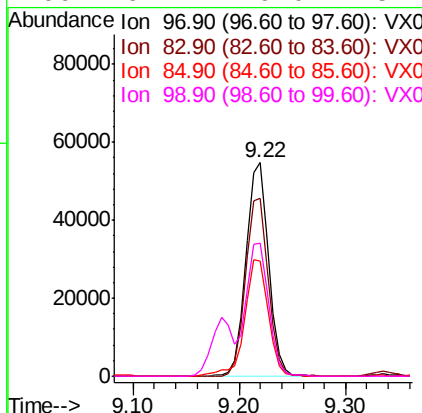
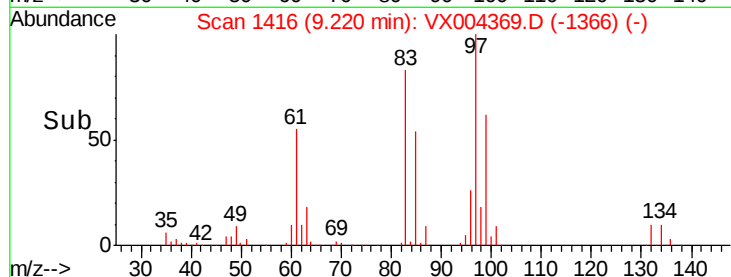
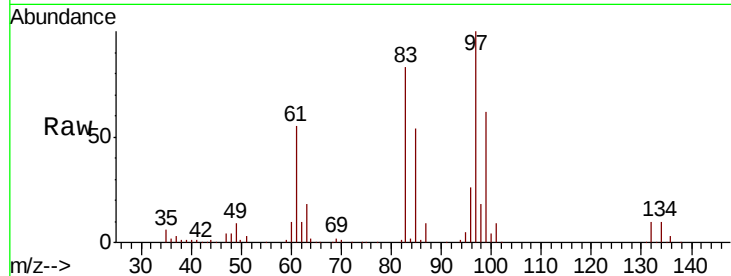
#55
 1,1,2-Trichloroethane
 Concen: 21.01 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		82000		
83	83.3	66.4	99.6		
85	53.7	43.3	64.9		
99	62.2	49.0	73.4		

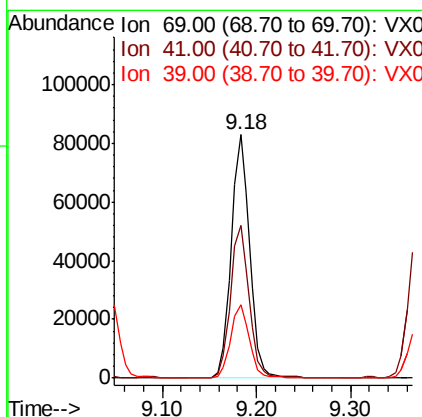
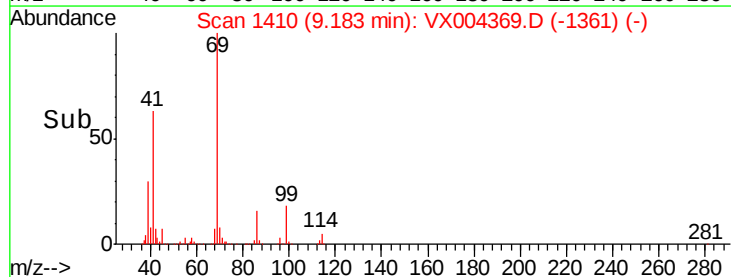
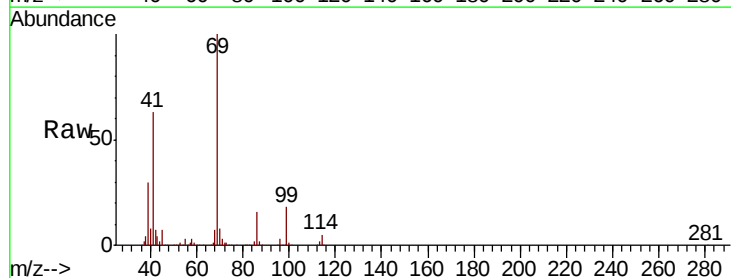
Manual Integrations
 APPROVED

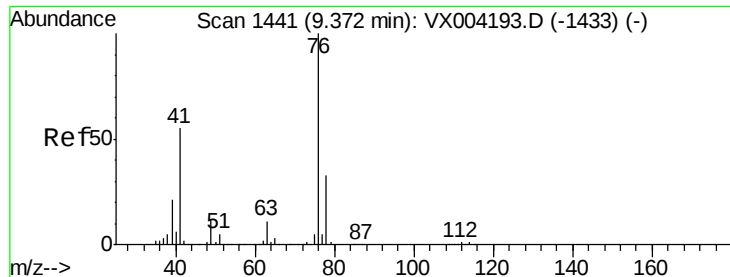
MMDadoda
 9/6/2018 12:48:37 PM



#56
 Ethyl methacrylate
 Concen: 21.21 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		112682		
41	63.2	51.0	76.4		
39	30.7	26.1	39.1		





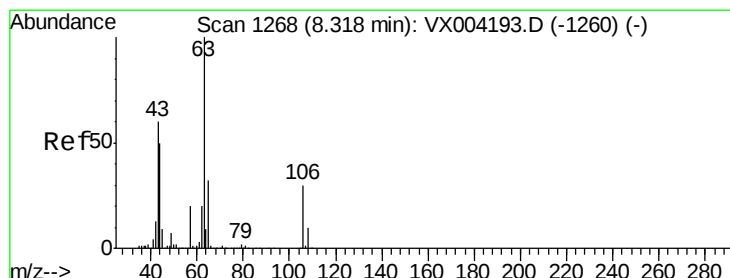
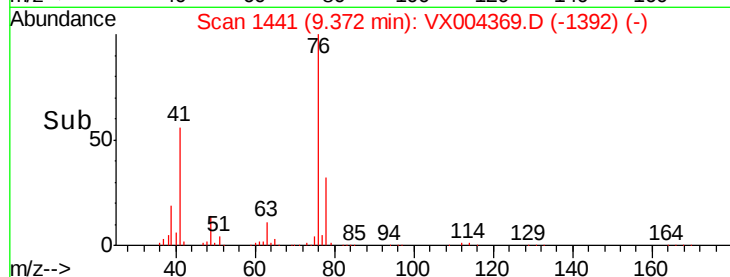
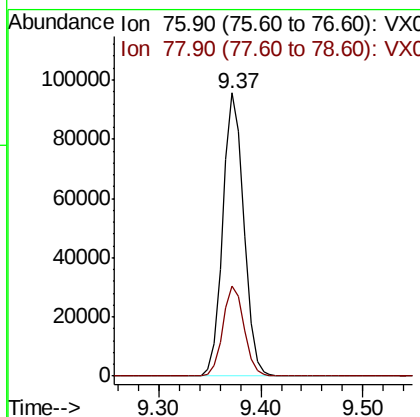
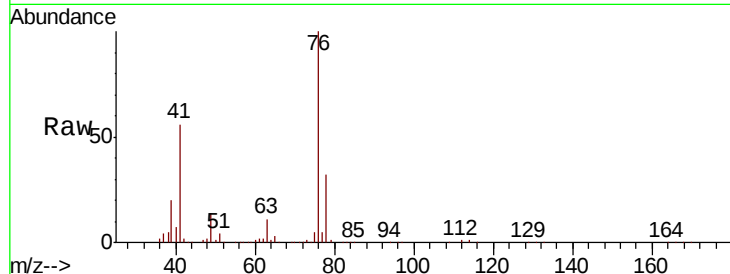
#57
 1,3-Dichloropropane
 Concen: 20.82 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

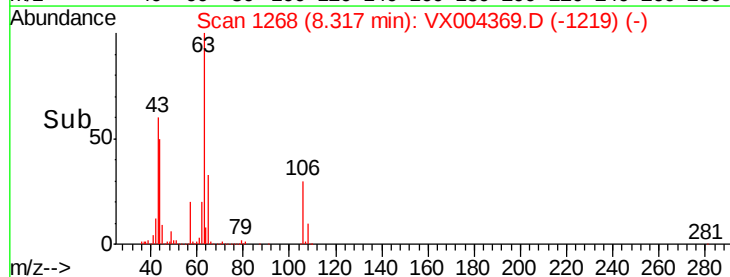
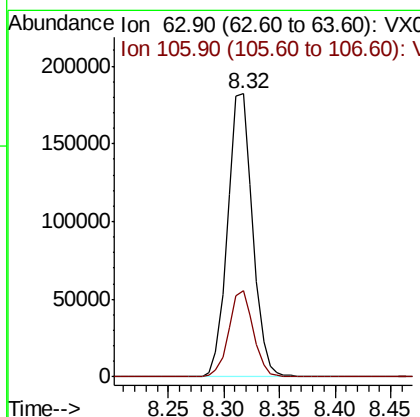
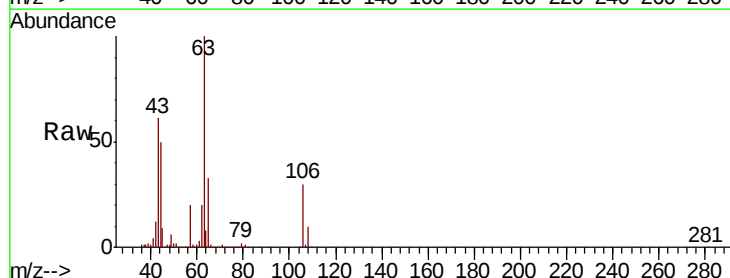
Manual Integrations
 APPROVED

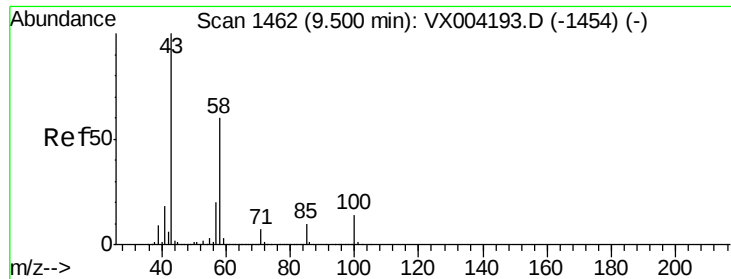
MMDadoda
 9/6/2018 12:48:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.30 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.9	35.9





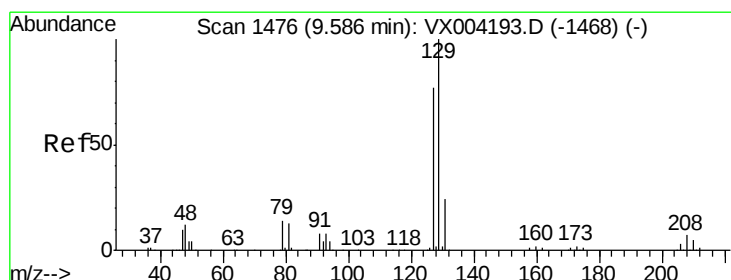
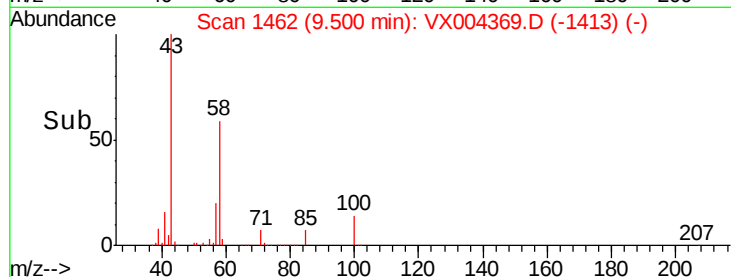
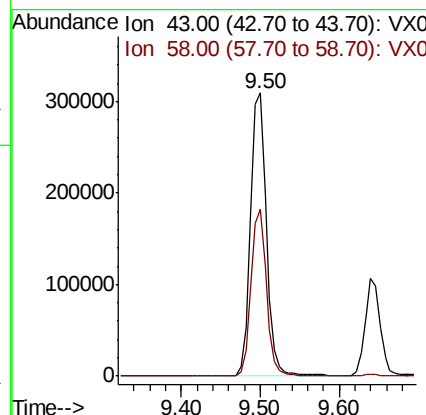
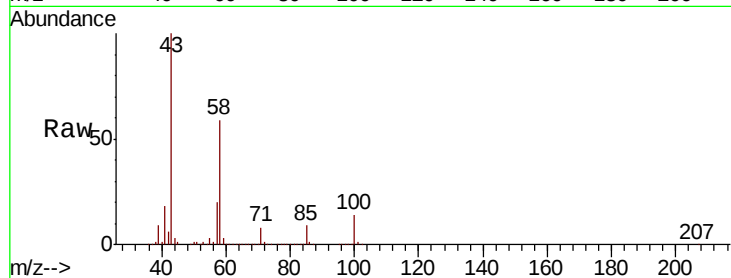
#59
2-Hexanone
Concen: 99.75 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Instrument :
MSVOA_X
ClientSampleId :
VX0905MBSD01

Tot Ion: 43 Resp: 431877
Ion Ratio Lower Upper
43 100
58 57.4 29.0 87.0

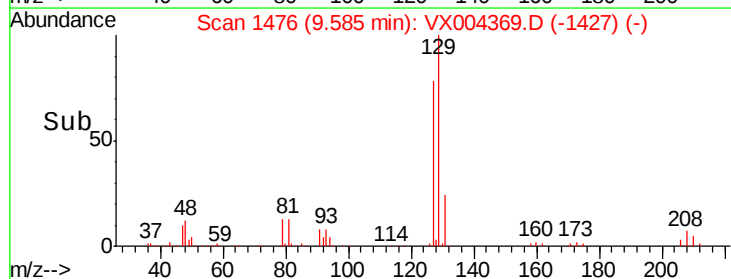
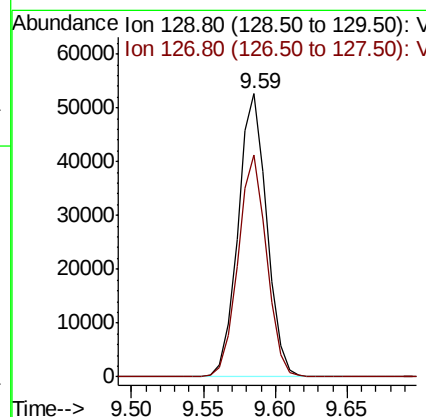
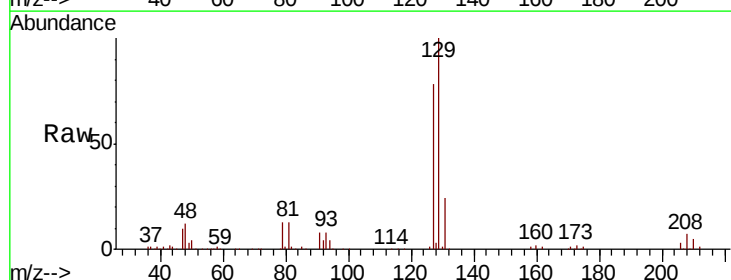
Manual Integrations
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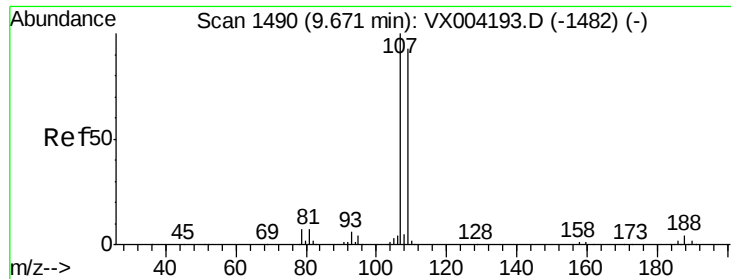
MMDadoda
9/6/2018 12:48:37 PM



#60
Dibromochloromethane
Concen: 19.26 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Tgt Ion: 129 Resp: 73221
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.5





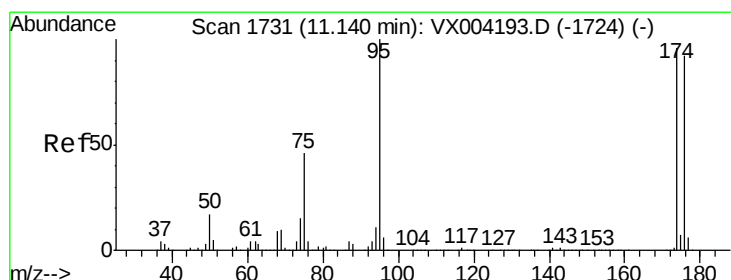
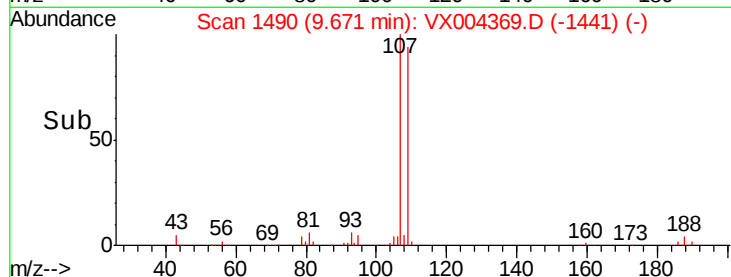
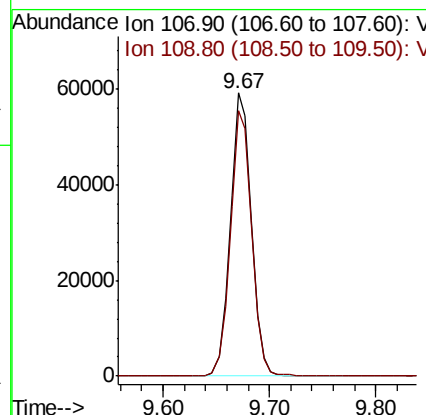
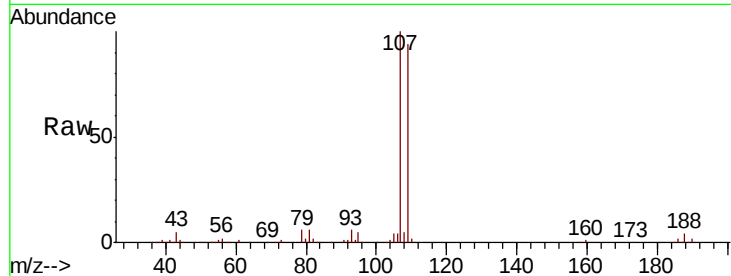
#61
 1,2-Dibromoethane
 Concen: 20.29 ug/l
 RT: 9.67 min Scan# 1490
 Delta R.T. -0.00 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	76.0	114.0

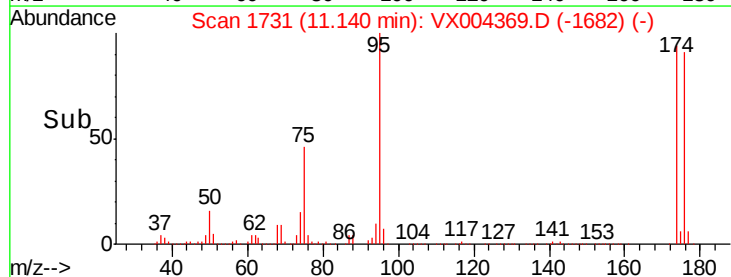
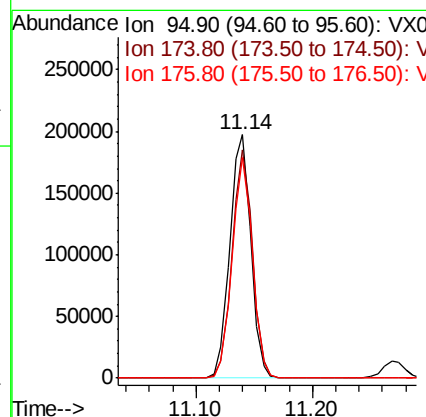
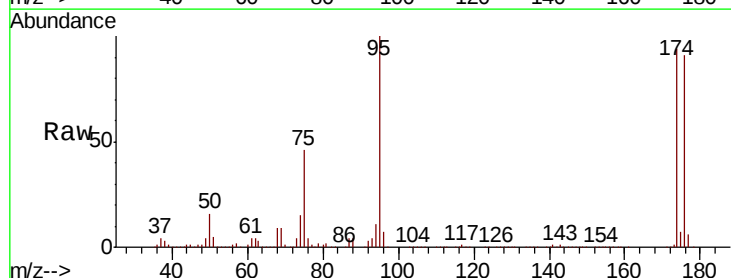
Manual Integrations
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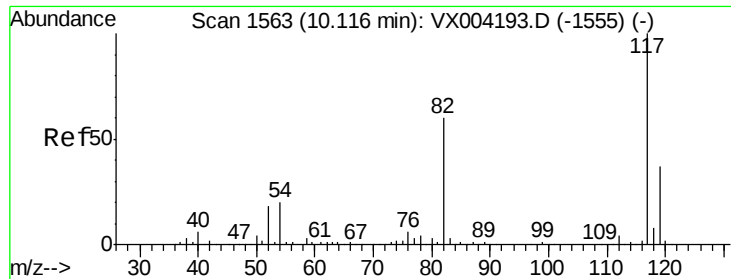
MMDadoda
 9/6/2018 12:48:37 PM



#62
 4-Bromofluorobenzene
 Concen: 51.13 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	185.2
176	88.1	0.0	178.6





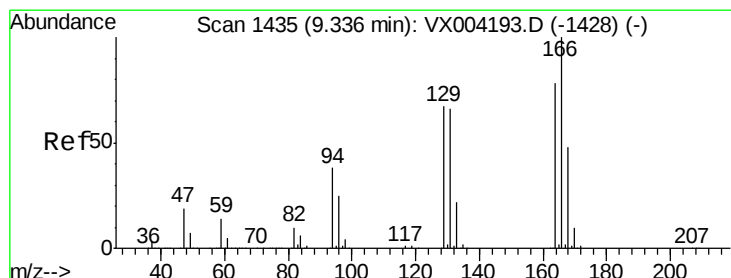
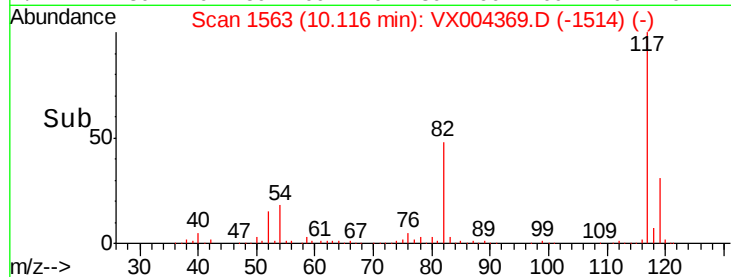
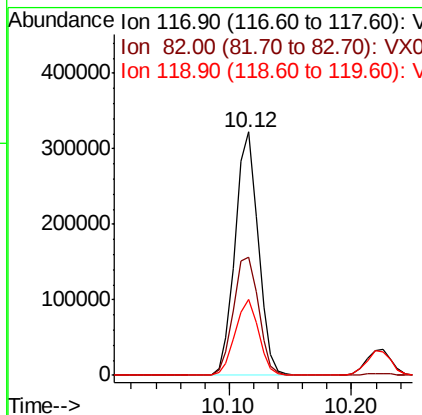
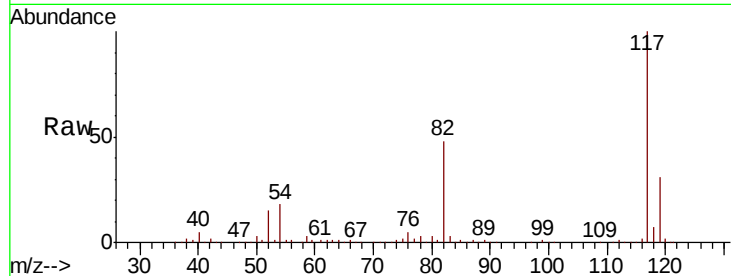
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Instrument :
MSVOA_X
ClientSampleId :
VX0905MBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.4	47.8	71.6
119	31.1	29.3	43.9

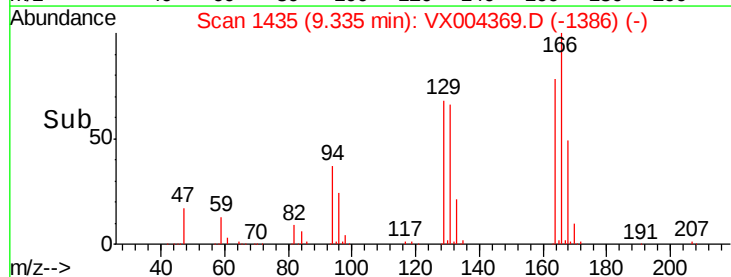
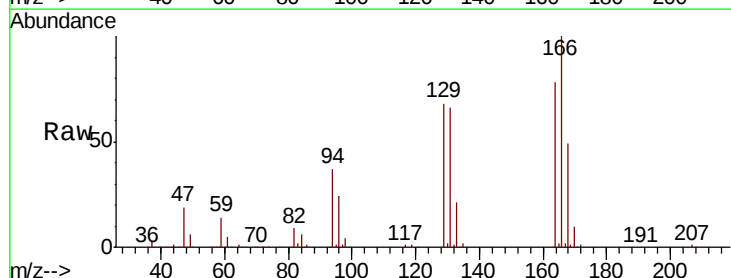
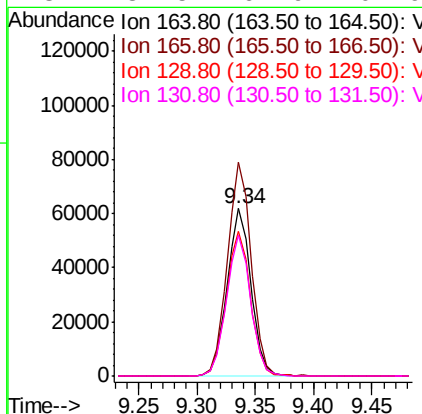
Manual Integrations
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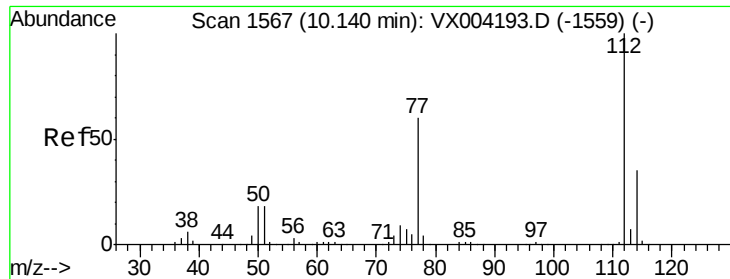
MMDadoda
9/6/2018 12:48:37 PM



#64
Tetrachloroethene
Concen: 21.08 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.8	102.8	154.2
129	86.8	69.4	104.0
131	84.5	67.9	101.9





#65

Chlorobenzene

Concen: 19.72 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Instrument :

MSVOA_X

ClientSampled :

VX0905MBSD01

Tot Ion:112 Resp: 208427

Ion Ratio Lower Upper

112 100

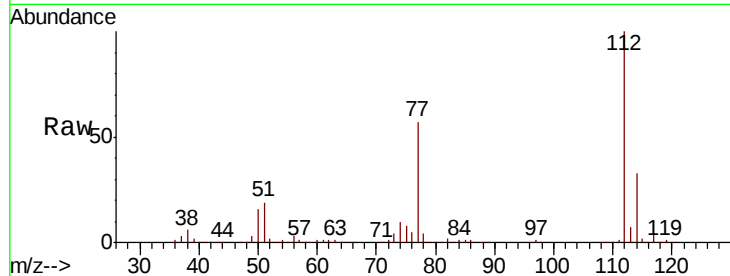
114 33.0 27.8 41.8

Manual Integrations

APPROVED

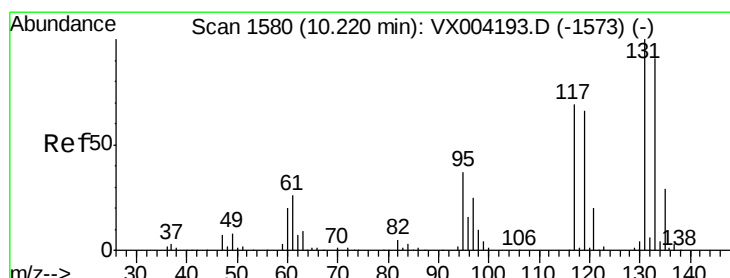
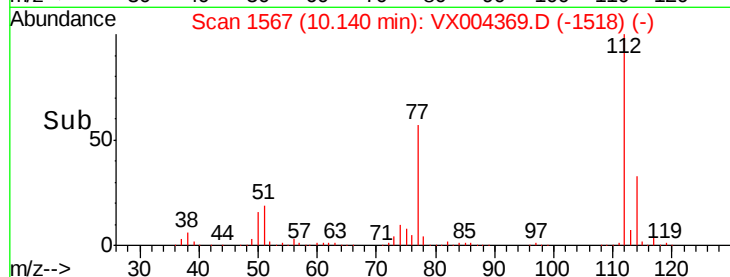
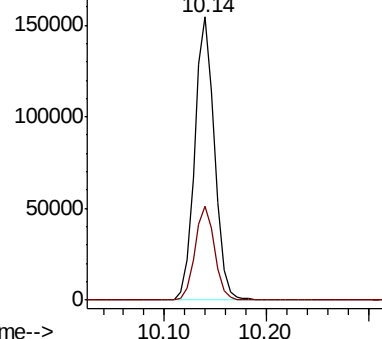
MMDadoda

9/6/2018 12:48:37 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.12 ug/l

RT: 10.22 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

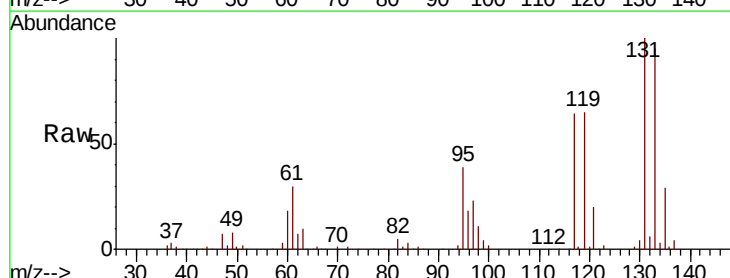
Tgt Ion:131 Resp: 73371

Ion Ratio Lower Upper

131 100

133 92.2 48.1 144.4

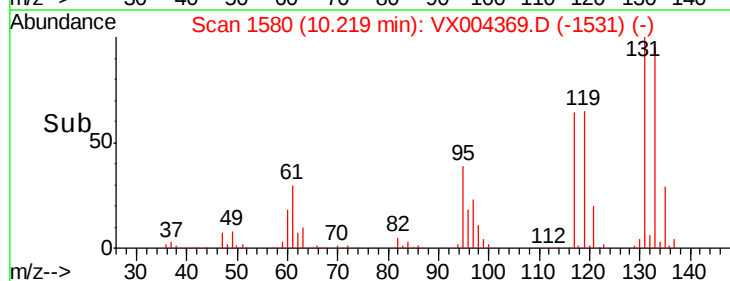
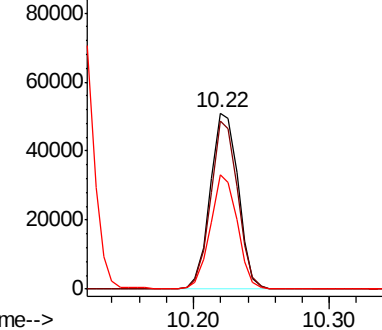
119 62.5 32.9 98.6

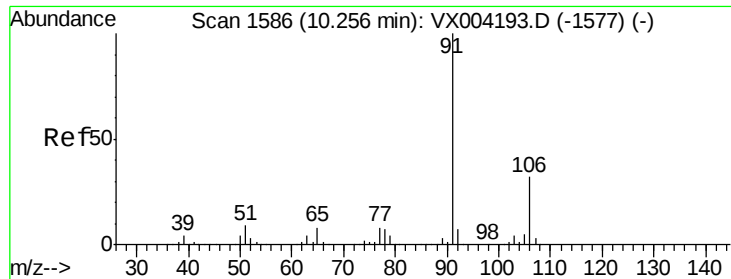


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





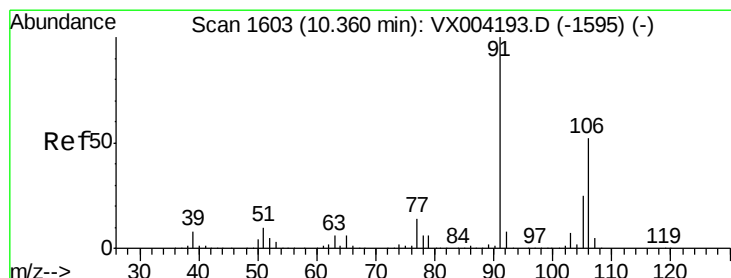
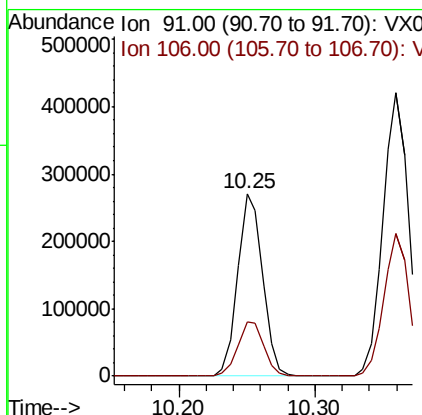
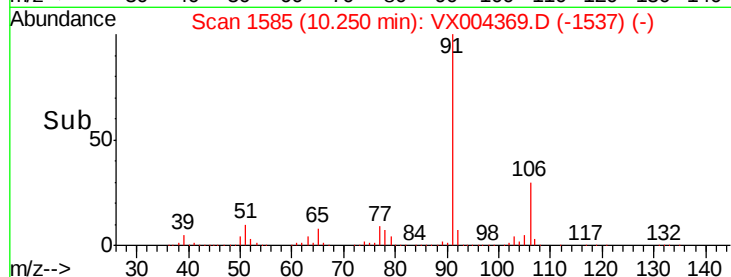
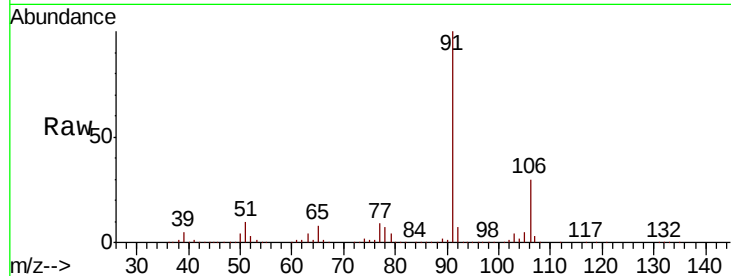
#67
Ethyl Benzene
Concen: 20.22 ug/l
RT: 10.25 min Scan# 1585
Delta R.T. -0.01 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Instrument :
MSVOA_X
ClientSampled :
VX0905MBSD01

Tot Ion: 91 Resp: 347079
Ion Ratio Lower Upper
91 100
106 29.8 25.9 38.9

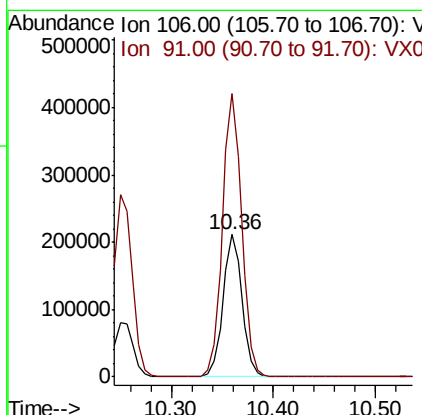
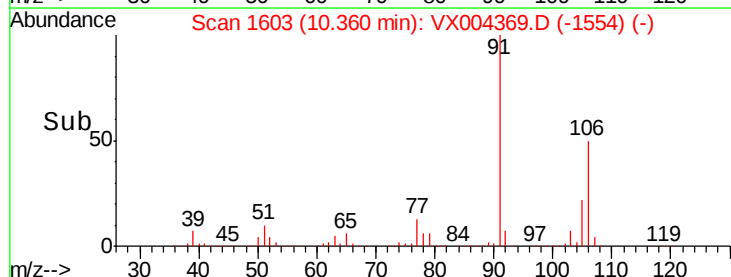
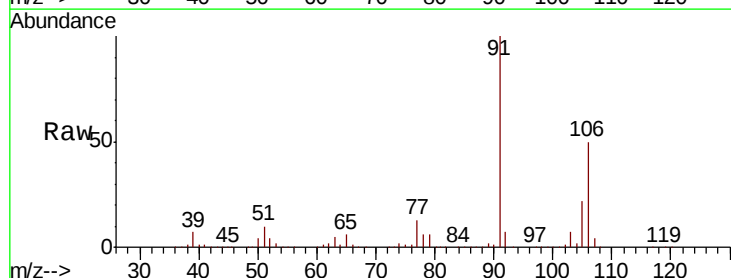
Manual Integrations
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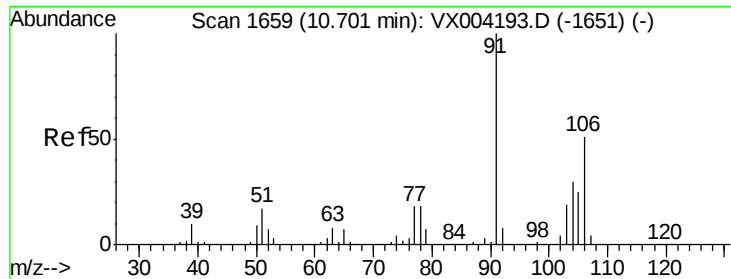
MMDadoda
9/6/2018 12:48:37 PM



#68
m/p-Xylenes
Concen: 40.67 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Tgt Ion: 106 Resp: 272990
Ion Ratio Lower Upper
106 100
91 202.9 157.1 235.7





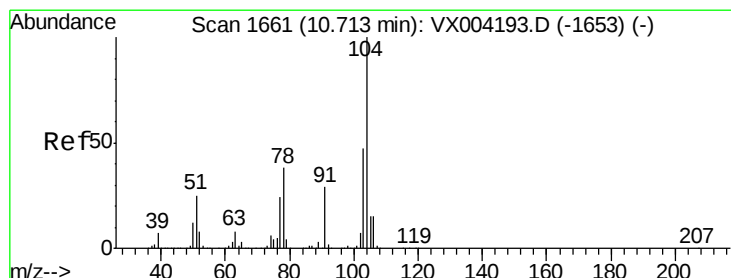
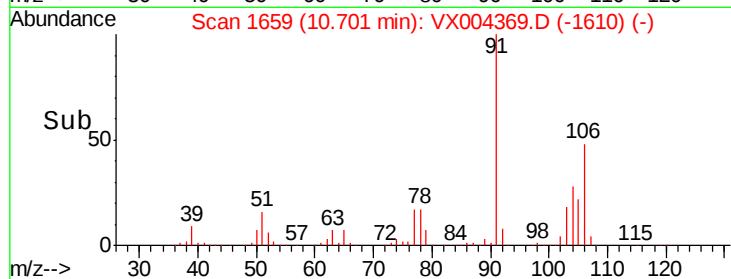
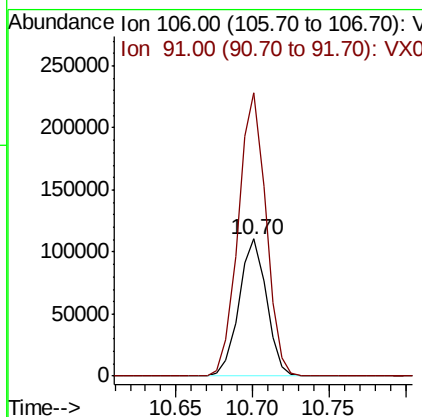
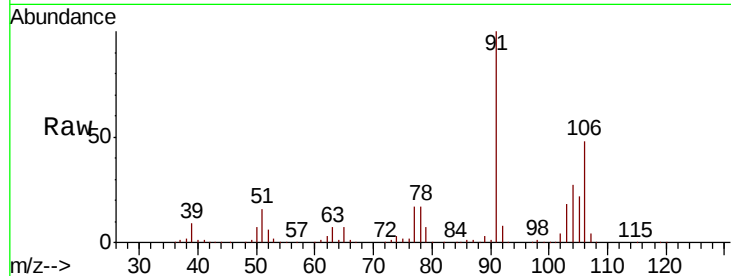
#69
o-Xylene
Concen: 21.73 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Instrument :
MSVOA_X
ClientSampled :
VX0905MBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	208.0	105.1	137946	315.1	

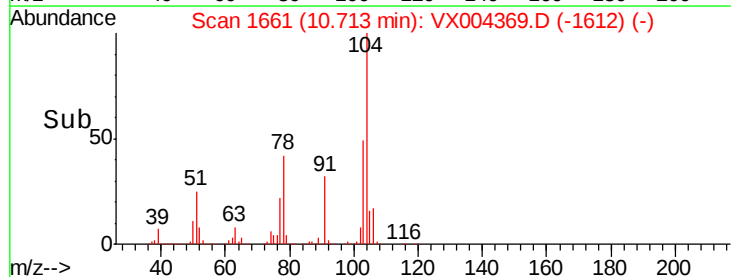
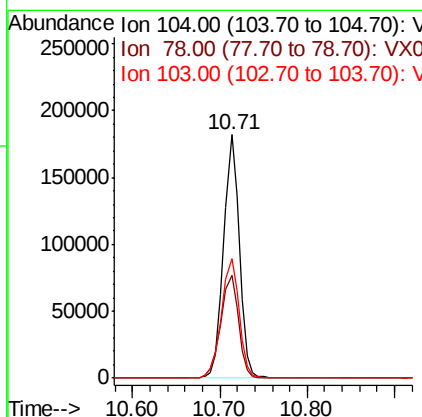
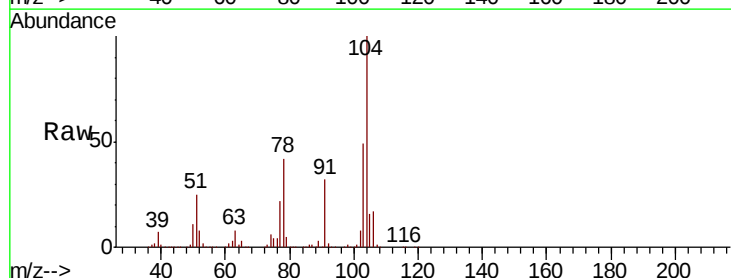
Manual Integrations
APPROVED

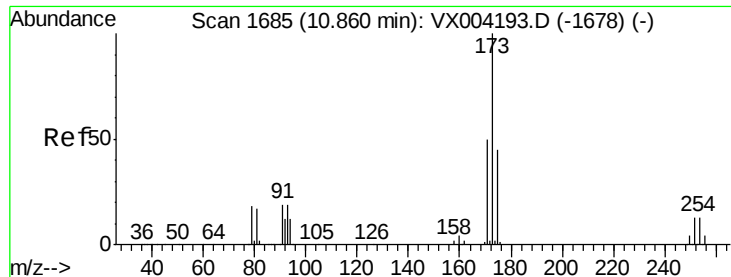
MMDadoda
9/6/2018 12:48:37 PM



#70
Styrene
Concen: 21.96 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.8	37.4	225735	56.0	
103	54.8	43.8		65.6	





#71

Bromoform

Concen: 18.82 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

VX0905MBSD01

Tot Ion:173 Resp: 55312

Ion Ratio Lower Upper

173 100

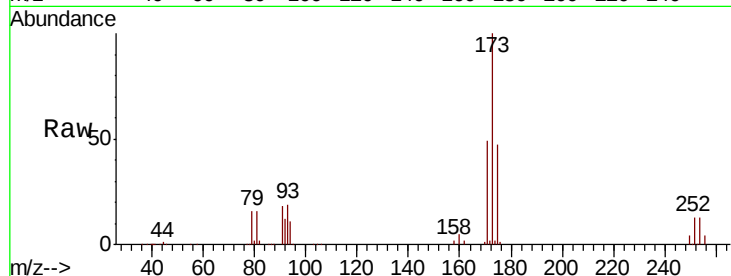
175 47.6 24.1 72.3

254 0.0 0.2 0.2#

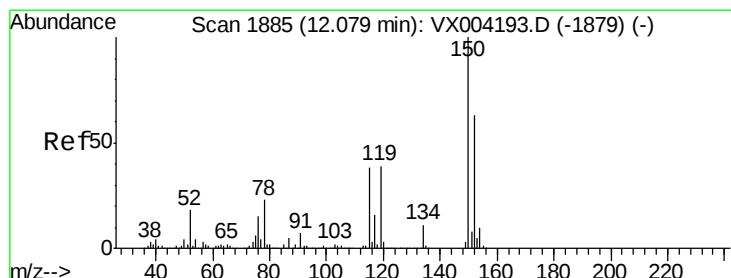
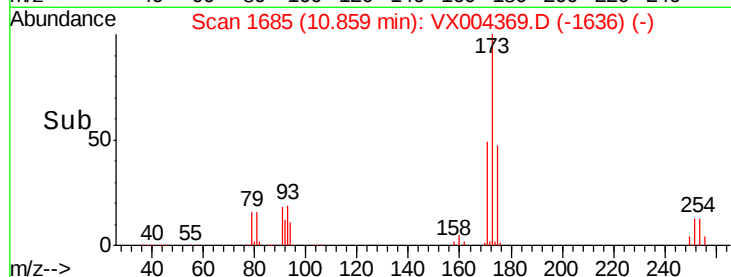
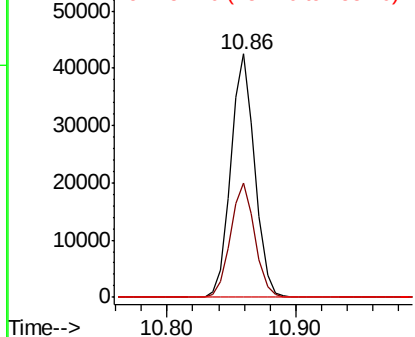
Manual Integrations
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9/6/2018 12:48:37 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

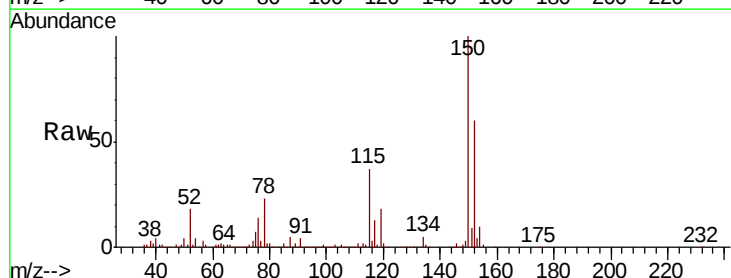
Tgt Ion:152 Resp: 254088

Ion Ratio Lower Upper

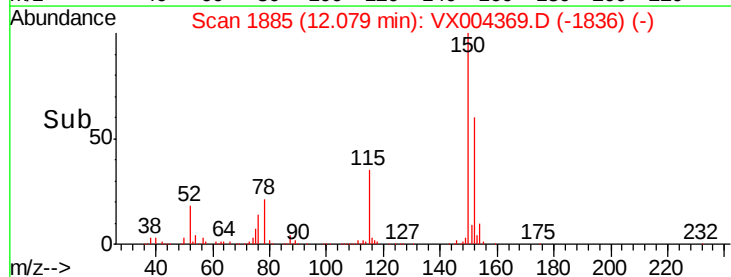
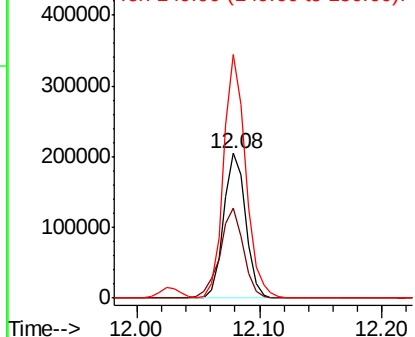
152 100

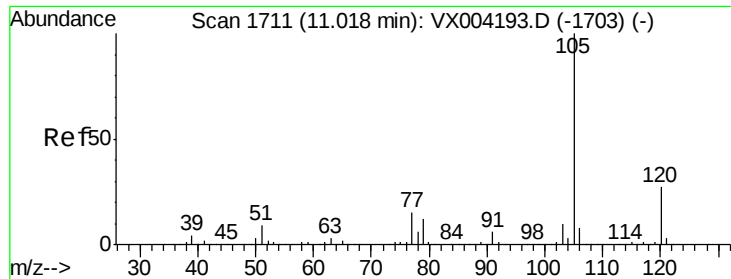
115 66.3 39.0 117.0

150 168.3 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.54 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Instrument :

MSVOA_X

ClientSampled :

VX0905MBSD01

Tot Ion:105 Resp: 376072

Ion Ratio Lower Upper

105 100

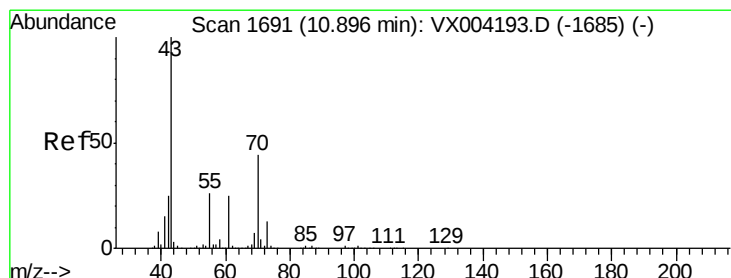
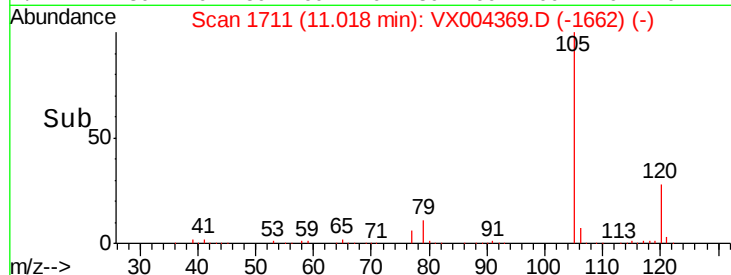
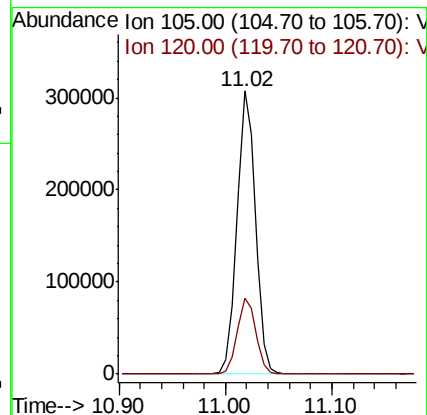
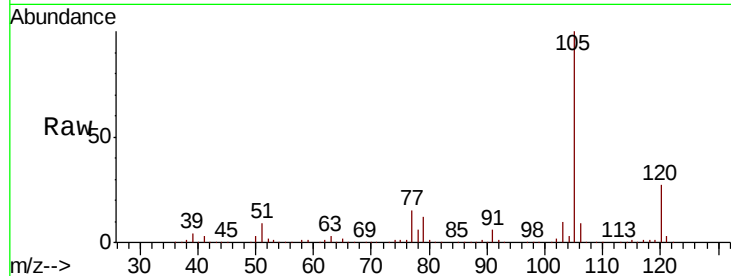
120 27.0 13.5 40.4

Manual Integrations

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9/6/2018 12:48:37 PM



#74

N-ethyl acetate

Concen: 21.07 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Tgt Ion: 43 Resp: 135379

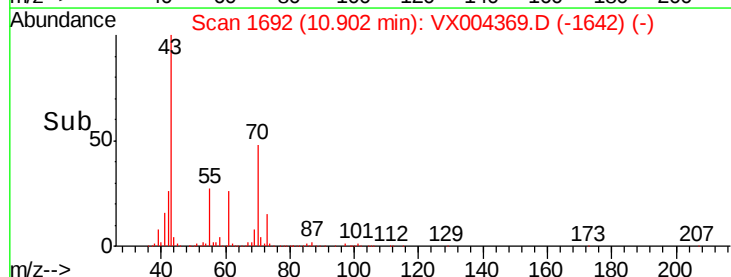
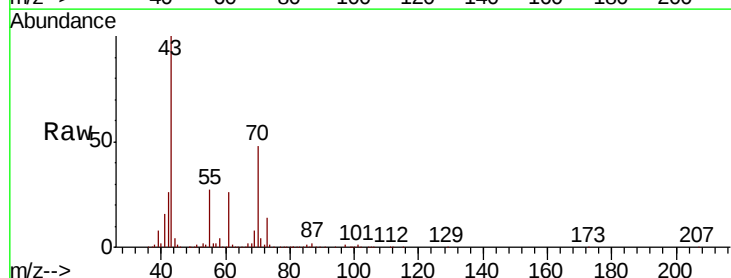
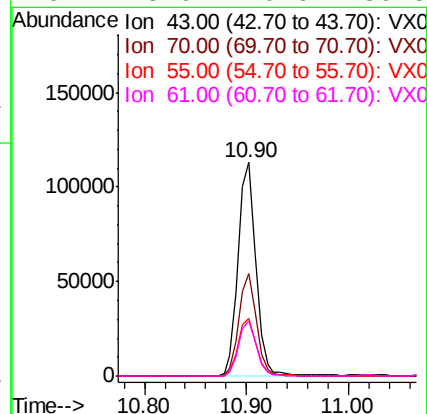
Ion Ratio Lower Upper

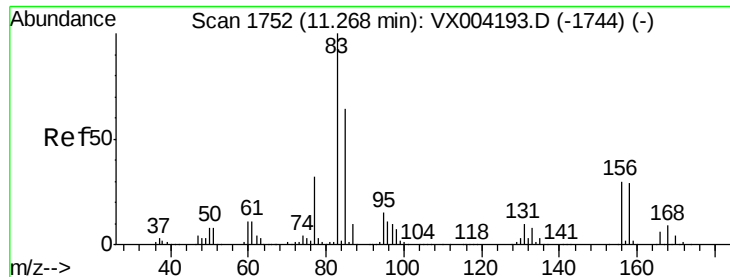
43 100

70 47.2 37.4 56.0

55 28.1 21.8 32.8

61 25.9 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.70 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Instrument :

MSVOA_X

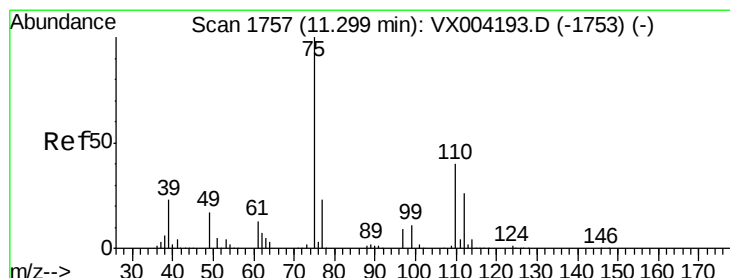
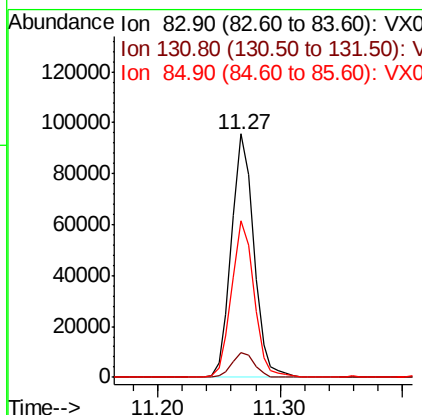
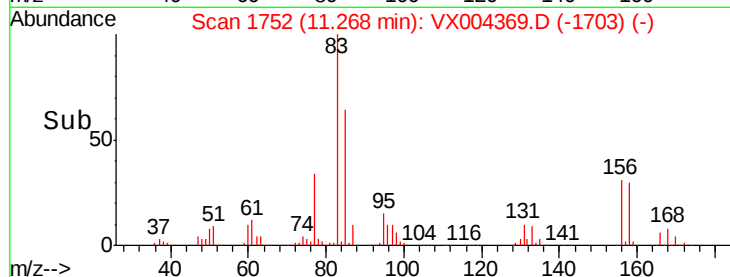
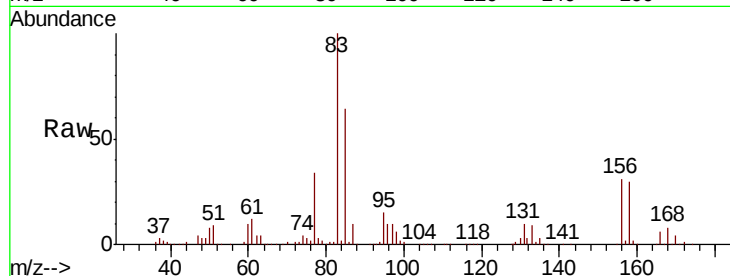
ClientSampleId :

VX0905MBSD01

Tot Ion:	83	Resp:	120894
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.2	15.6
85	64.6	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.50 ug/l m

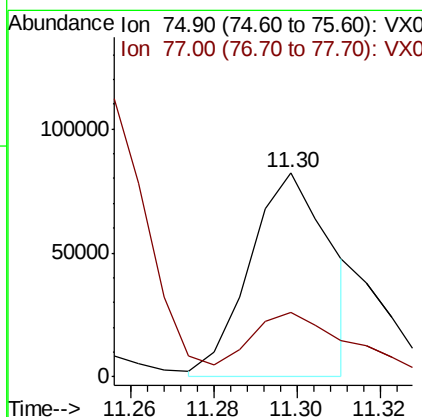
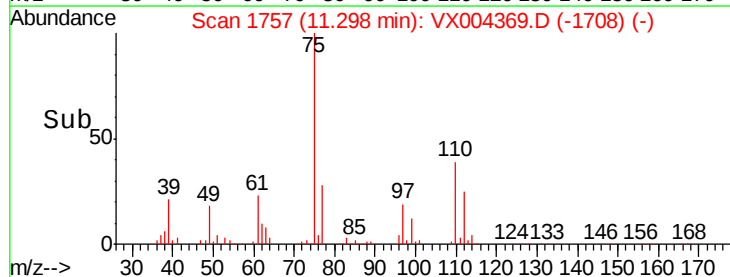
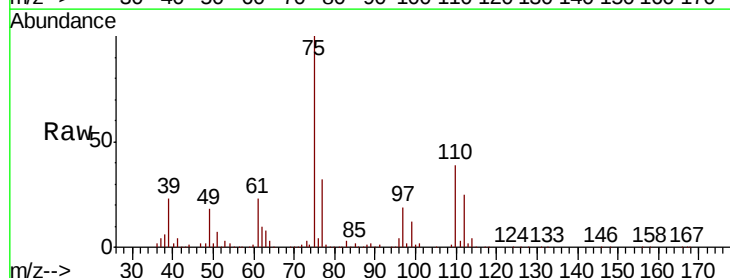
RT: 11.30 min Scan# 1757

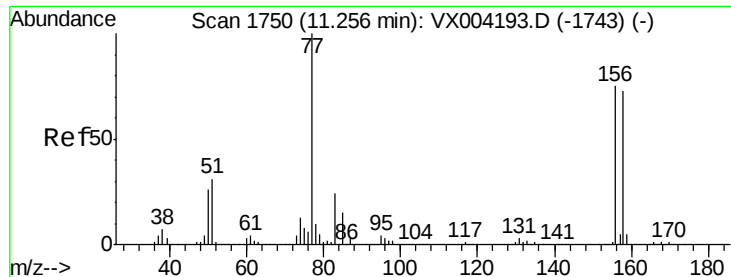
Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Tgt Ion:	75	Resp:	111099
Ion Ratio	Lower	Upper	
75	100		
77	39.1	20.2	60.6





#77

Bromobenzene

Concen: 21.47 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Instrument :

MSVOA_X

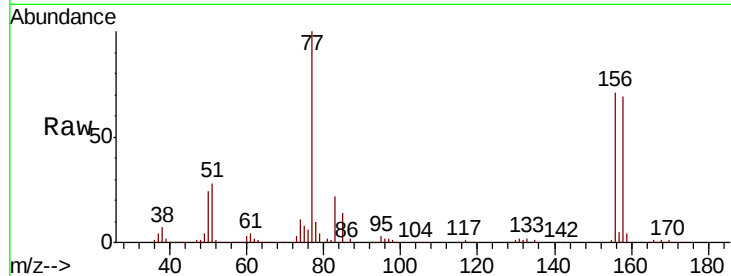
ClientSampleId :

VX0905MBSD01

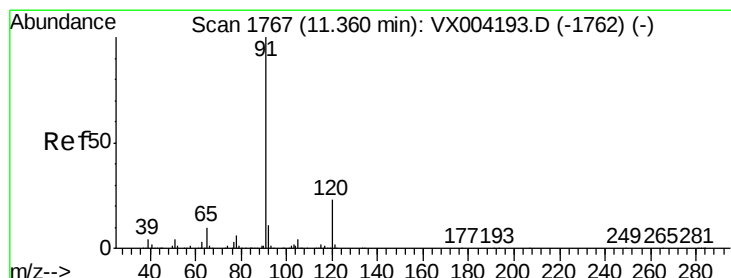
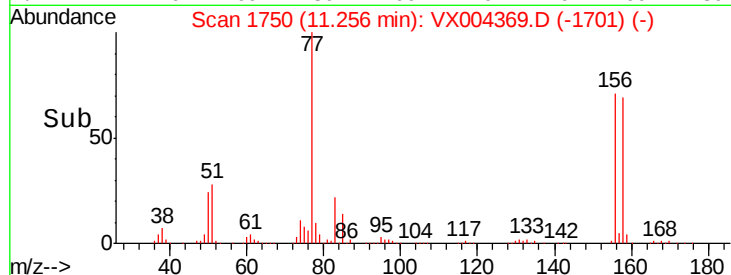
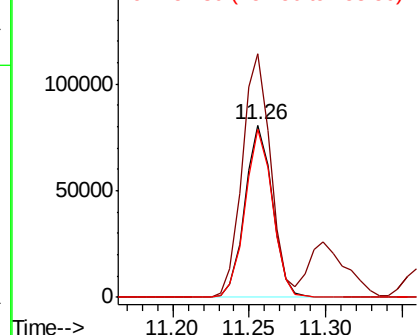
Tot Ion:	156	Resp:	100508
Ion Ratio	Lower	Upper	
156	100		
77	146.0	71.5	214.3
158	97.0	48.9	146.8

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.36 ug/l

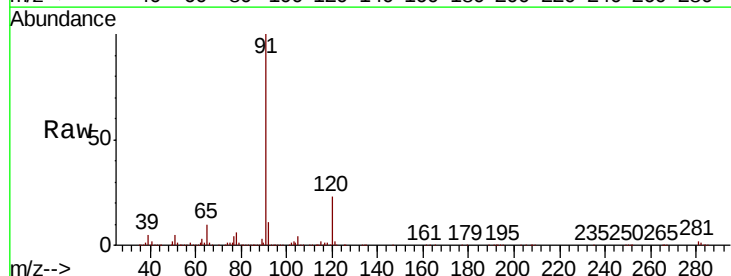
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

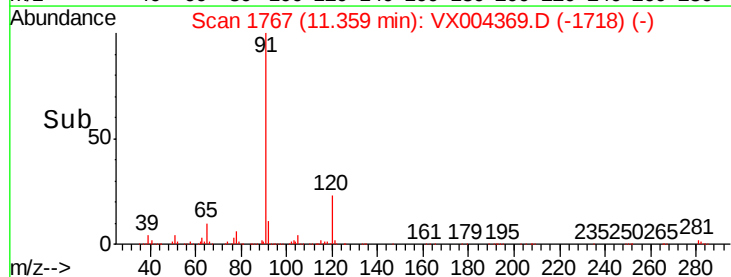
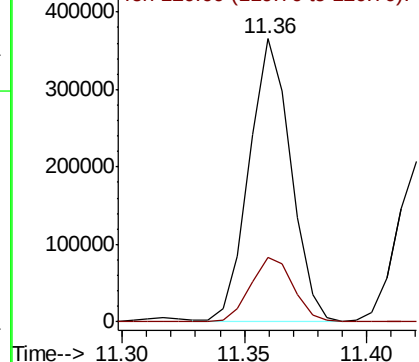
Lab File: VX004369.D

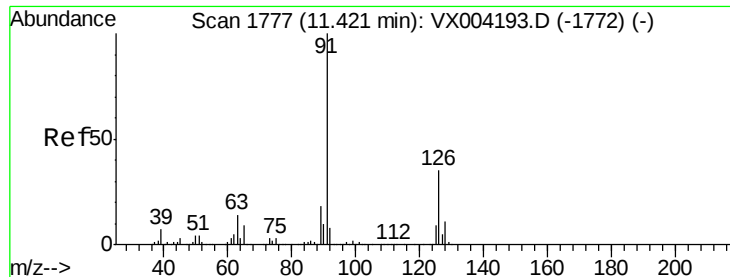
Acq: 05 Sep 2018 14:02

Tgt Ion:	91	Resp:	429257
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.75 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Instrument :

MSVOA_X

ClientSampleId :

VX0905MBSD01

Tot Ion: 91 Resp: 257009

Ion Ratio Lower Upper

91 100

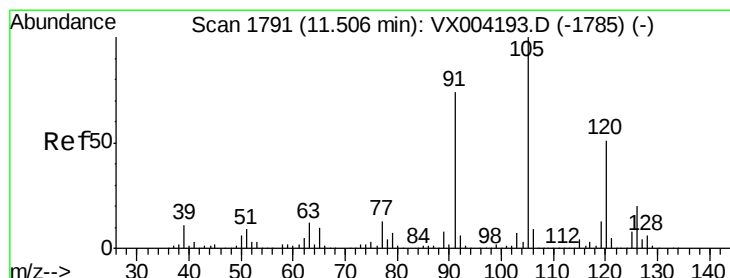
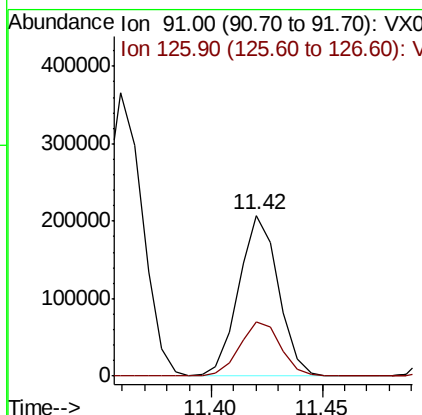
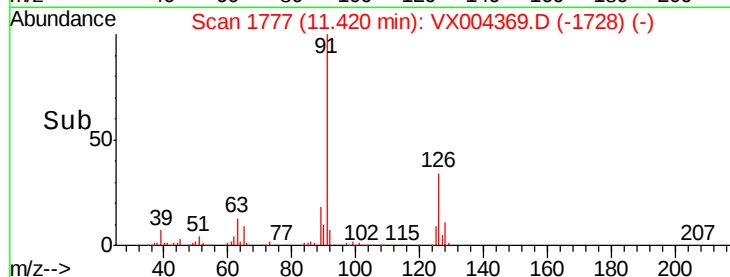
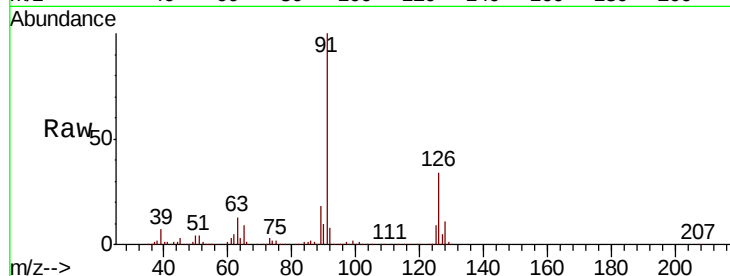
126 35.0 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.65 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004369.D

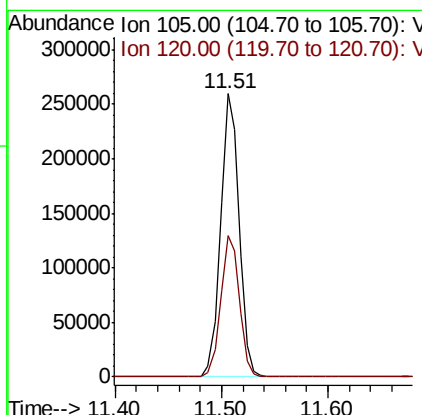
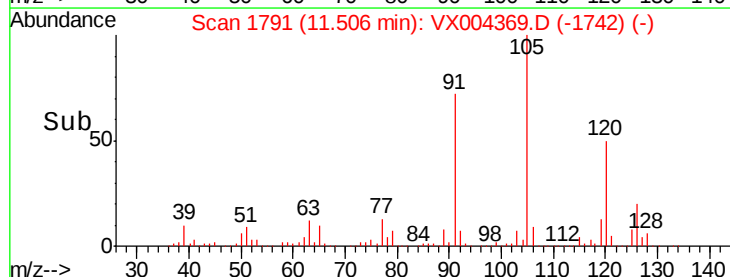
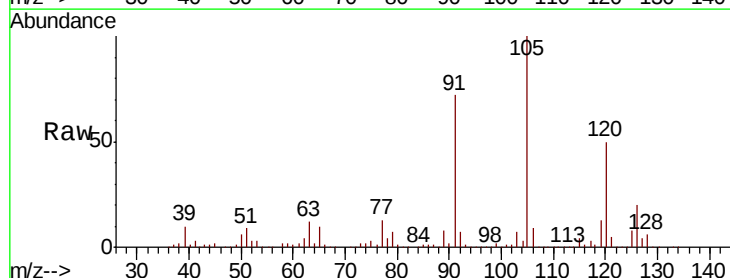
Acq: 05 Sep 2018 14:02

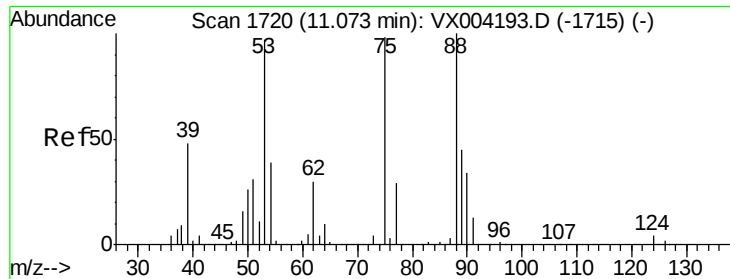
Tgt Ion: 105 Resp: 312993

Ion Ratio Lower Upper

105 100

120 50.5 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.91 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Instrument :

MSVOA_X

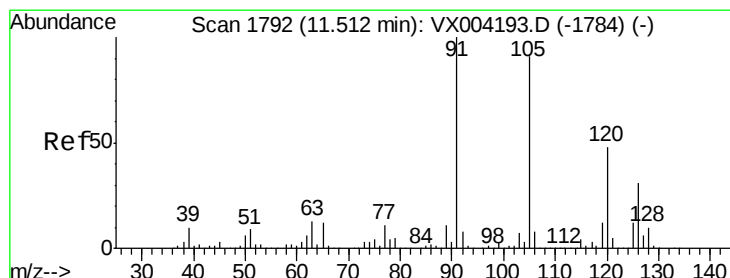
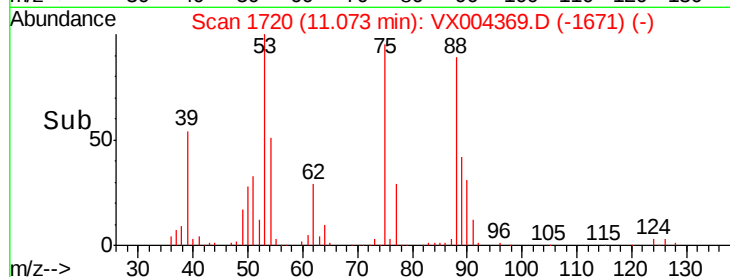
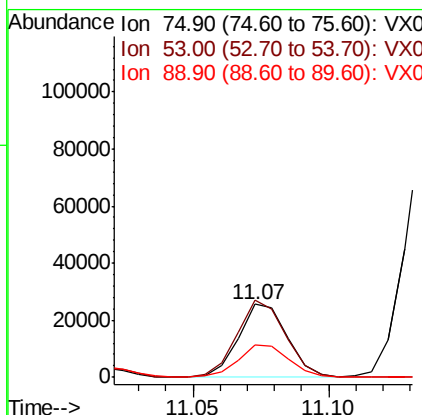
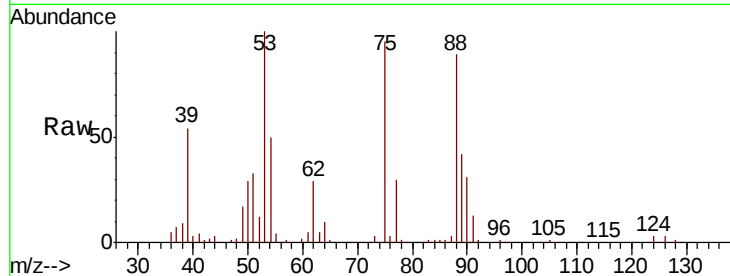
ClientSampleId :

VX0905MBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.7	80.1	120.1
89	46.5	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.35 ug/l

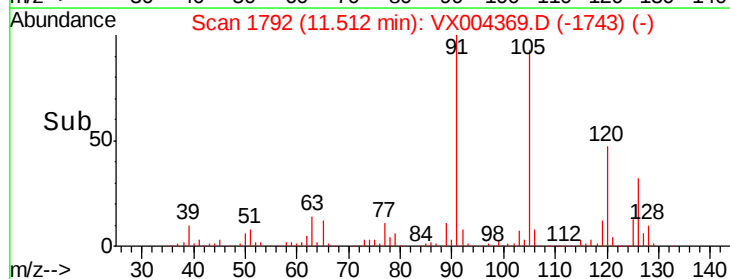
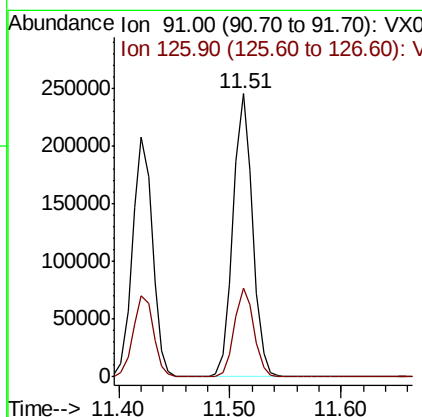
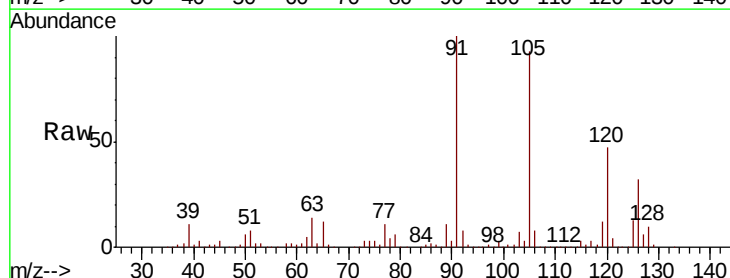
RT: 11.51 min Scan# 1792

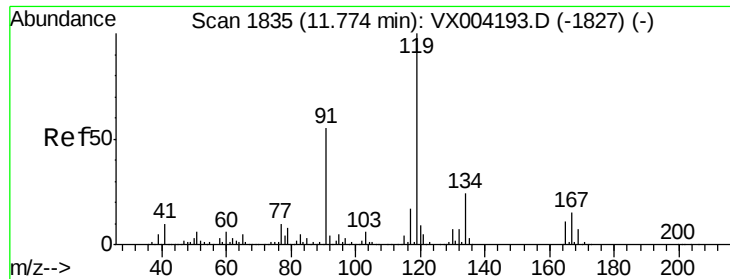
Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	15.5	46.5





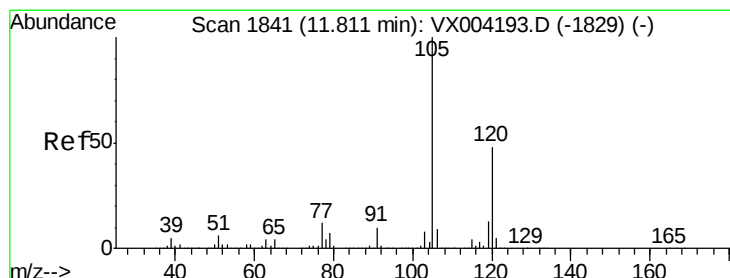
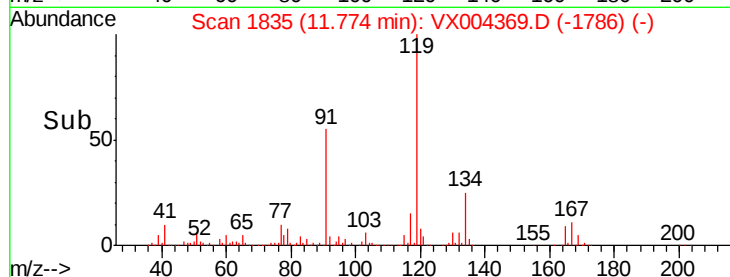
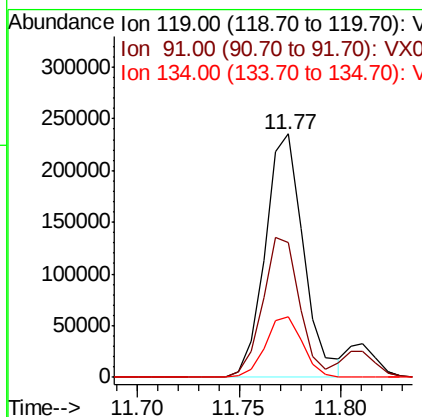
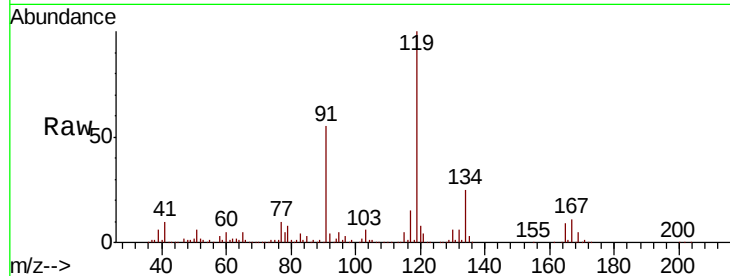
#83
tert-Butylbenzene
Concen: 22.23 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Instrument :
MSVOA_X
ClientSampleId :
VX0905MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.2	27.0	81.0
134	24.4	11.7	35.1

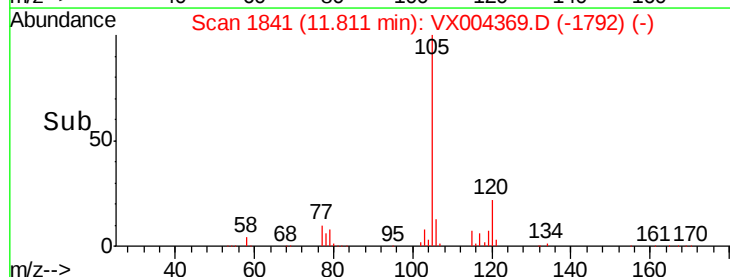
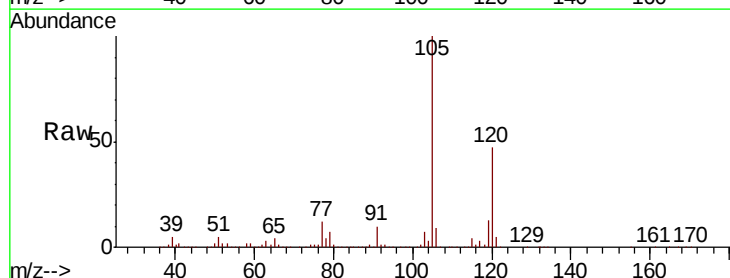
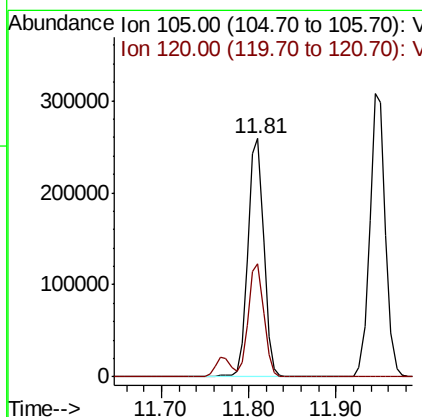
Manual Integrations
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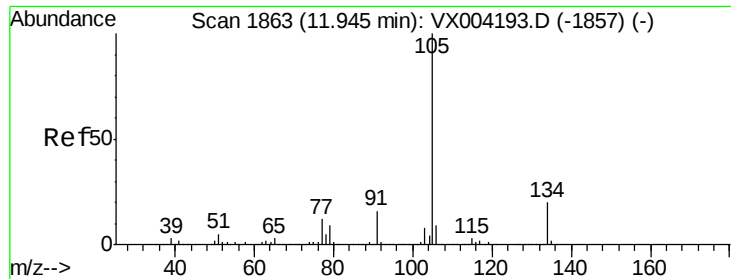
MMDadoda
9/6/2018 12:48:37 PM



#84
1,2,4-Trimethylbenzene
Concen: 22.74 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.2	69.6





#85

sec-Butylbenzene

Concen: 23.34 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Instrument :

MSVOA_X

ClientSampled :

VX0905MBSD01

Tot Ion:105 Resp: 385225

Ion Ratio Lower Upper

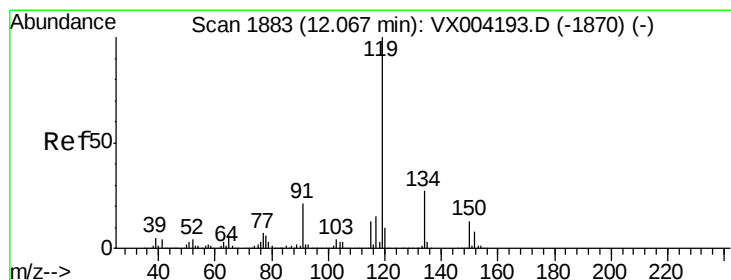
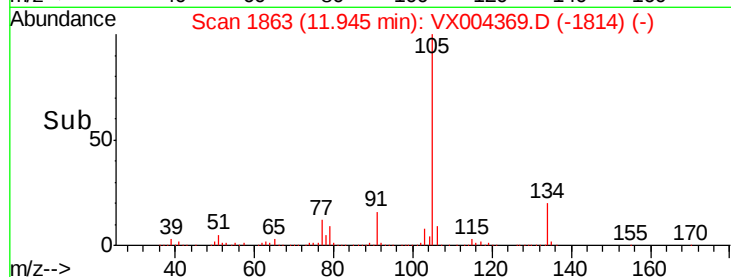
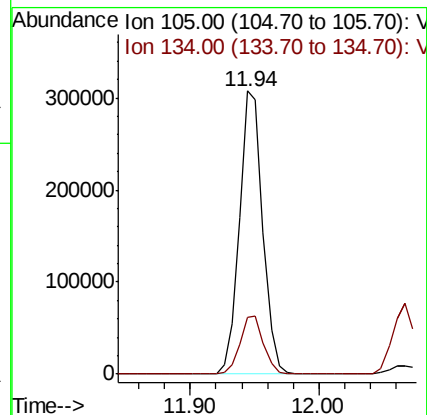
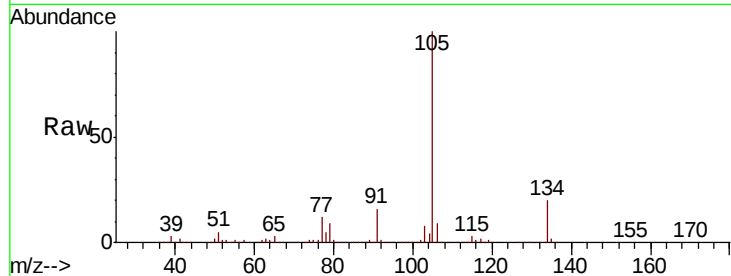
105 100

134 20.6 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 23.20 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

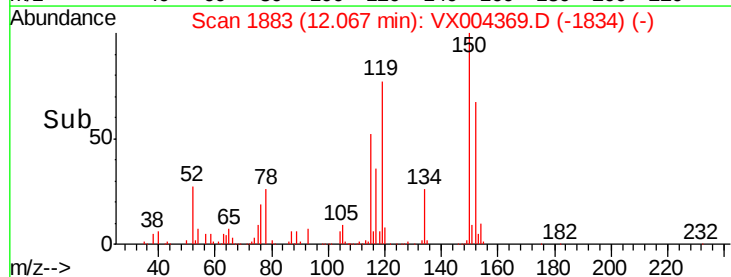
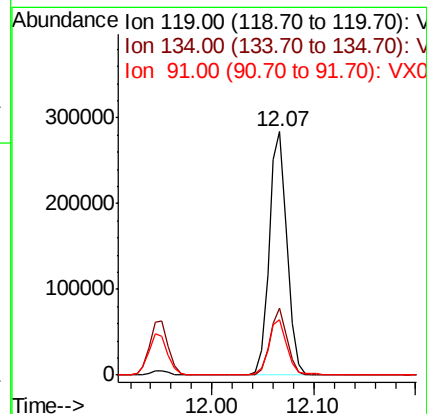
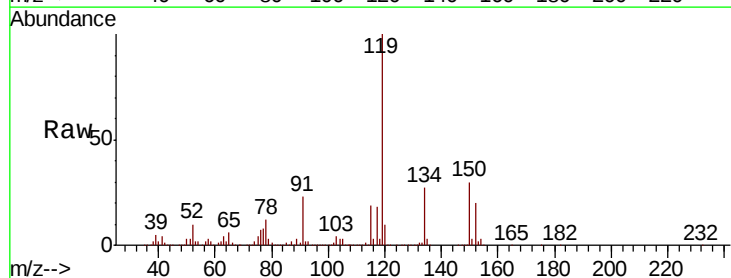
Tgt Ion:119 Resp: 343187

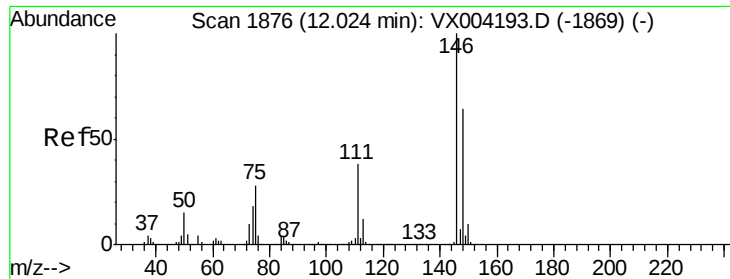
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 24.5 10.9 32.7





#87

1,3-Dichlorobenzene

Concen: 20.93 ug/l

RT: 12.02 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Instrument :

MSVOA_X

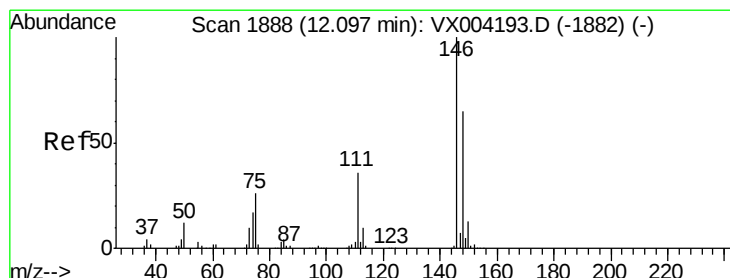
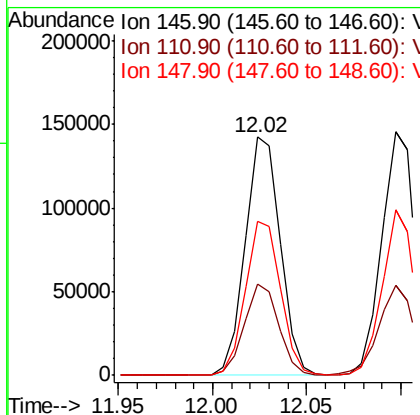
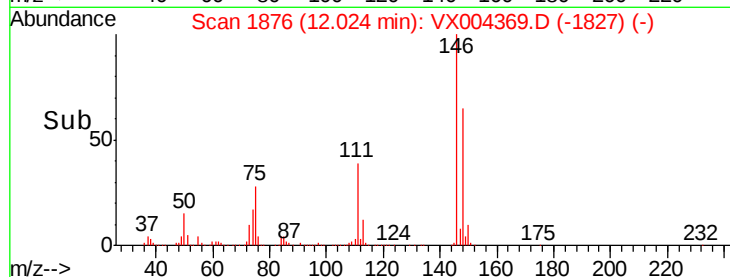
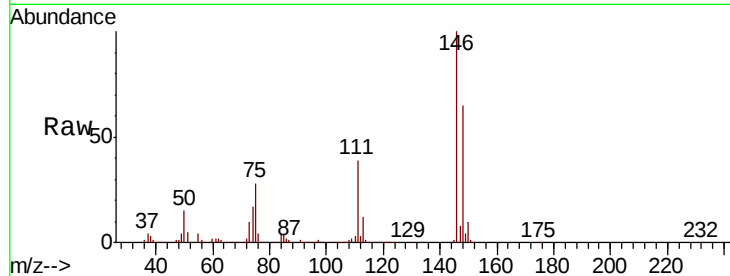
ClientSampled :

VX0905MBSD01

Tot Ion:	146	Resp:	184451
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.7	56.1
148	64.6	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.50 ug/l

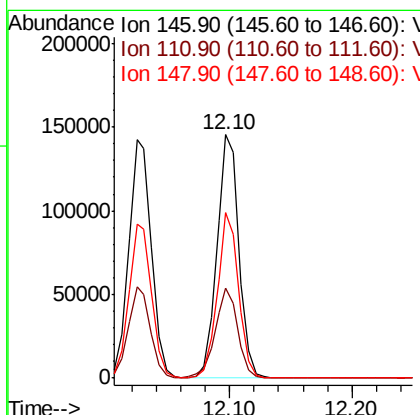
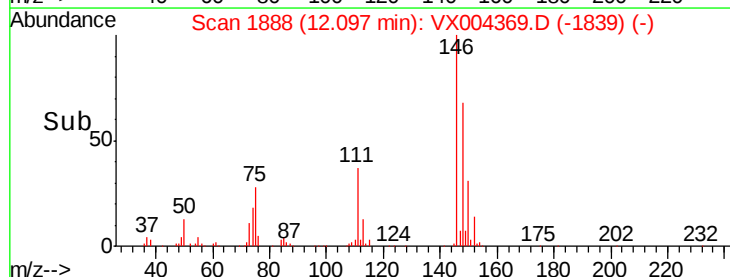
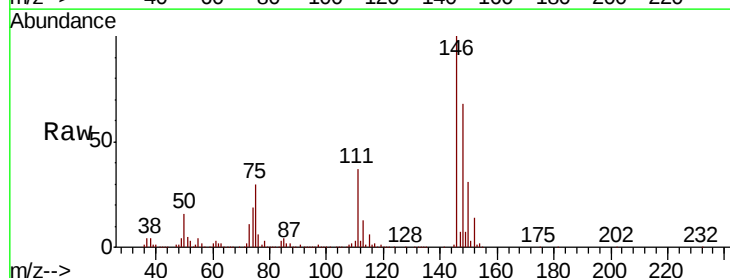
RT: 12.10 min Scan# 1888

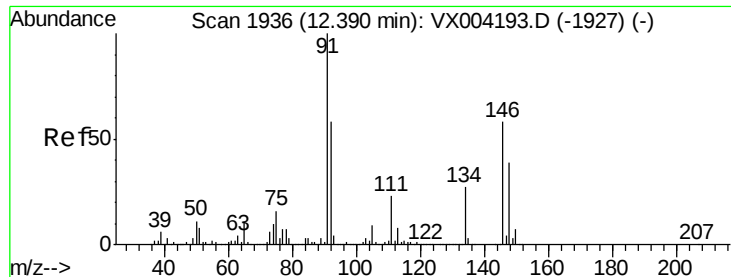
Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Tgt Ion:	146	Resp:	181220
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.1	54.1
148	65.9	32.0	96.0





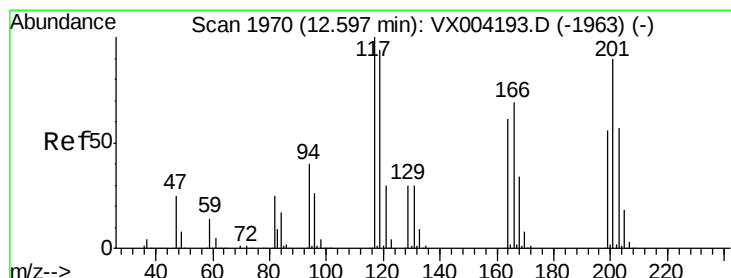
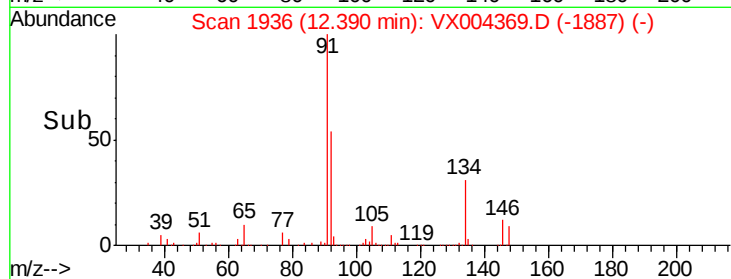
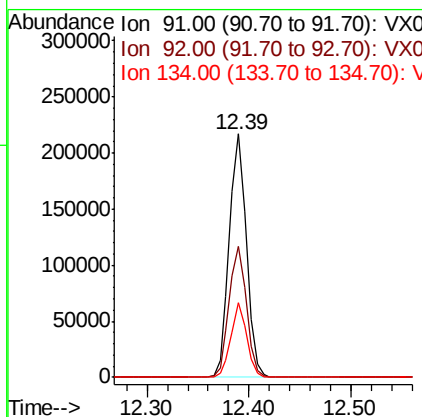
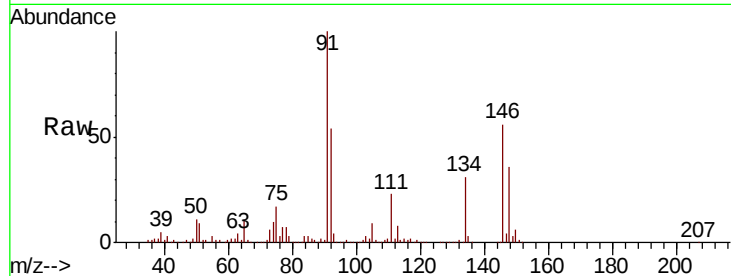
#89
n-Butylbenzene
Concen: 20.92 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Instrument :
MSVOA_X
ClientSampleId :
VX0905MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.3	27.3	81.9	
134	28.1	13.6	40.7	

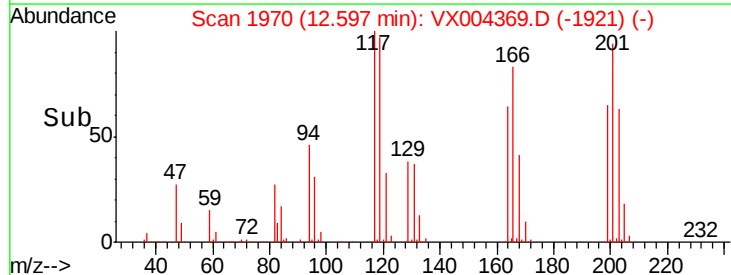
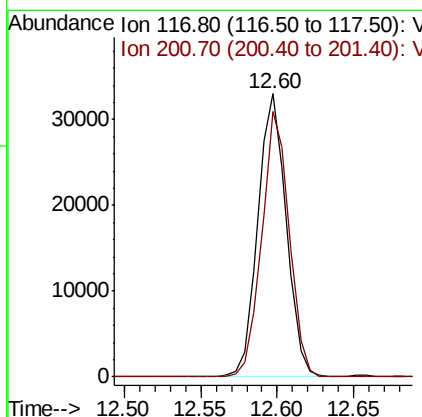
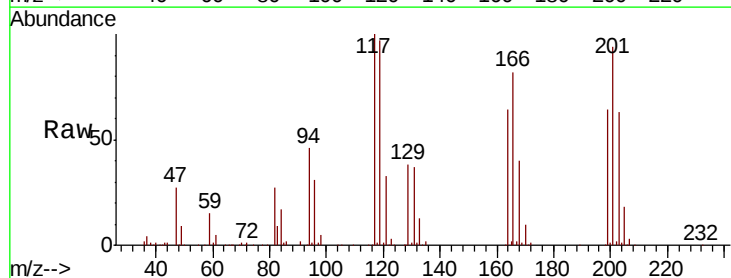
Manual Integrations
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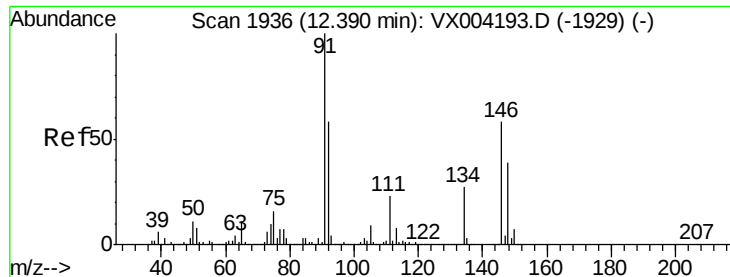
MMDadoda
9/6/2018 12:48:37 PM



#90
Hexachloroethane
Concen: 20.69 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004369.D
Acq: 05 Sep 2018 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	91.0	46.9	140.6	





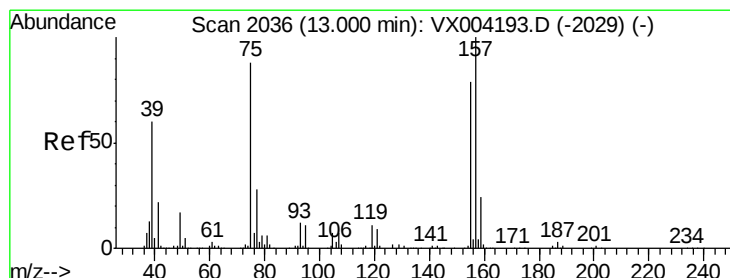
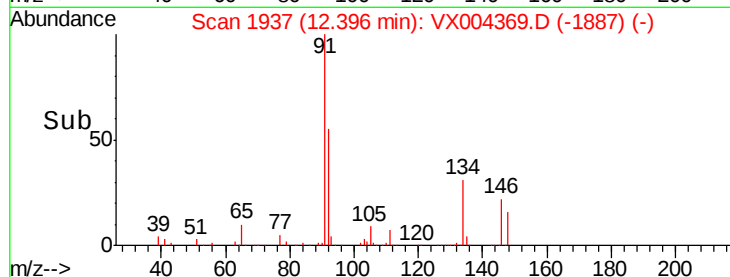
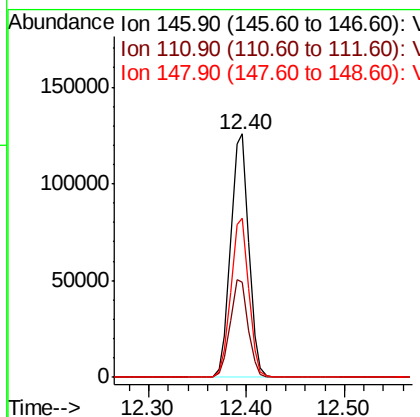
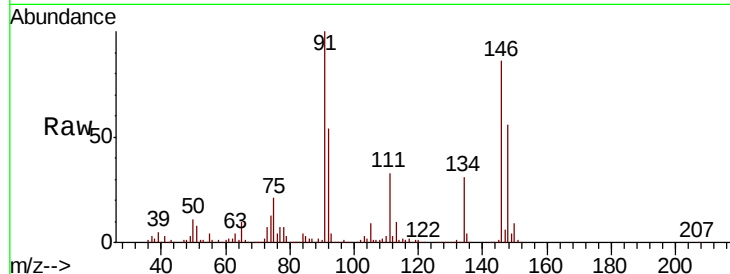
#91
 1,2-Dichlorobenzene
 Concen: 20.04 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.01 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	161464		
111	39.9	19.4	58.1	
148	64.8	32.8	98.3	

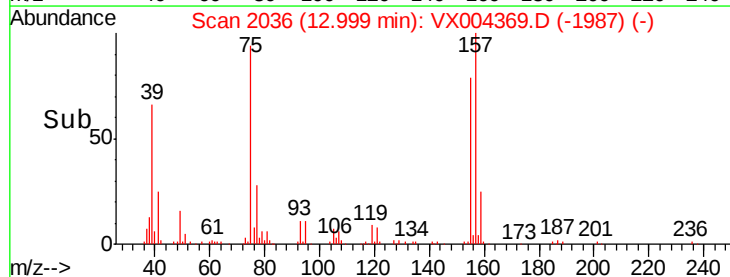
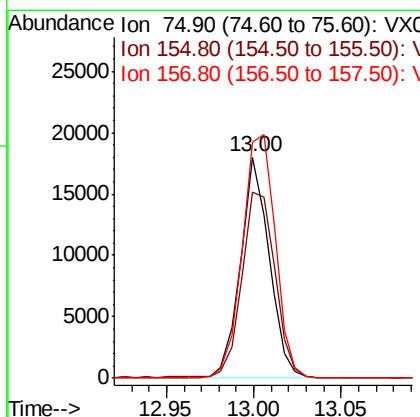
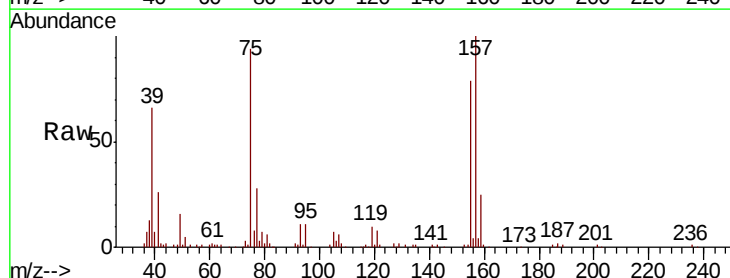
Manual Integrations
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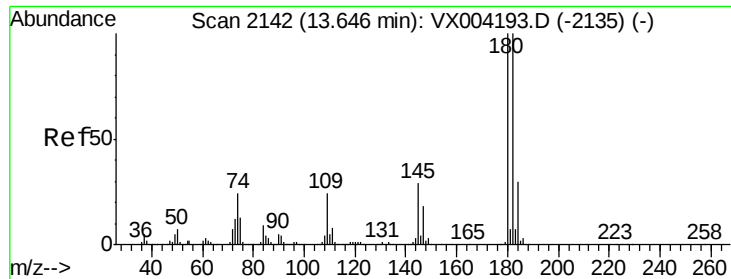
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.08 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	20654		
155	98.0	48.0	144.2	
157	126.2	61.4	184.1	





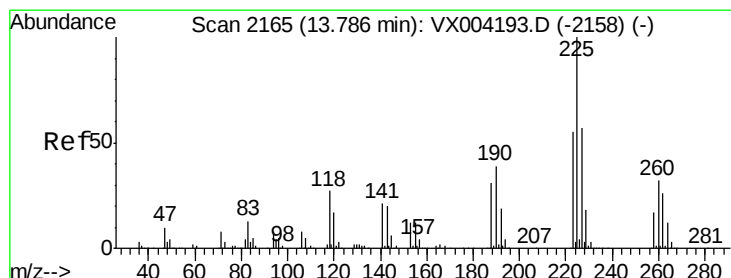
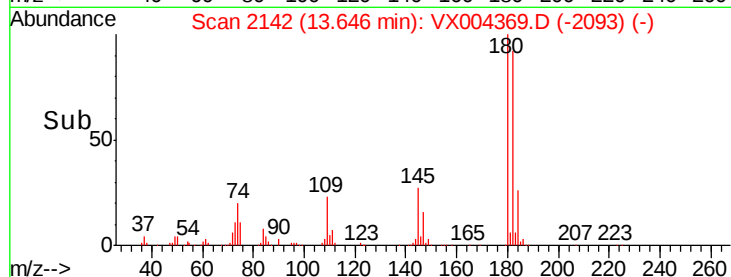
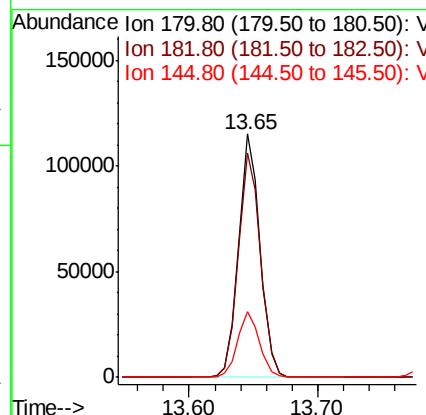
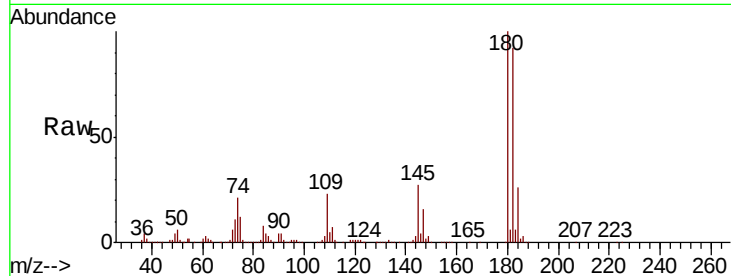
#93
 1,2,4-Trichlorobenzene
 Concen: 22.82 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0905MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	133762		
182	95.6	48.4	145.0	
145	27.6	14.3	42.9	

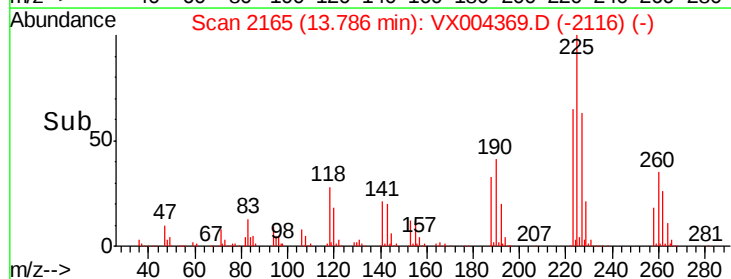
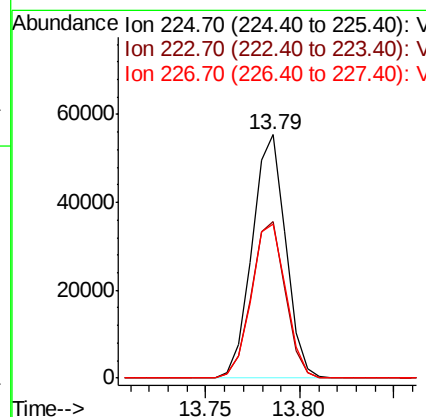
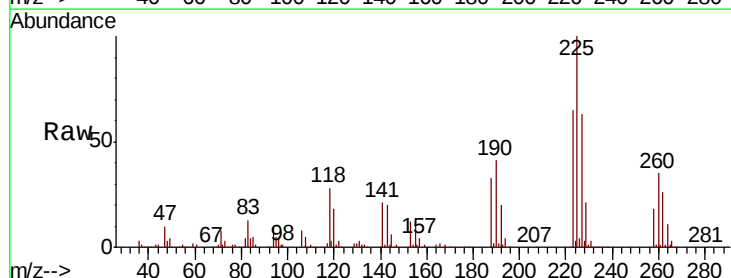
Manual Integrations
 APPROVED

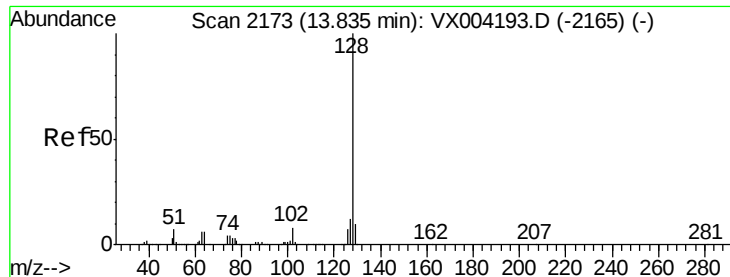
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 9/6/2018 12:48:37 PM



#94
 Hexachlorobutadiene
 Concen: 24.93 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004369.D
 Acq: 05 Sep 2018 14:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68171		
223	64.8	30.1	90.5	
227	65.2	30.8	92.4	





#95

Naphthalene

Concen: 24.33 ug/l

RT: 13.83 min Scan# 2173

Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Instrument :

MSVOA_X

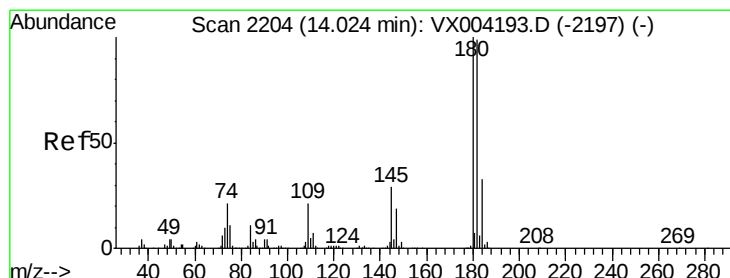
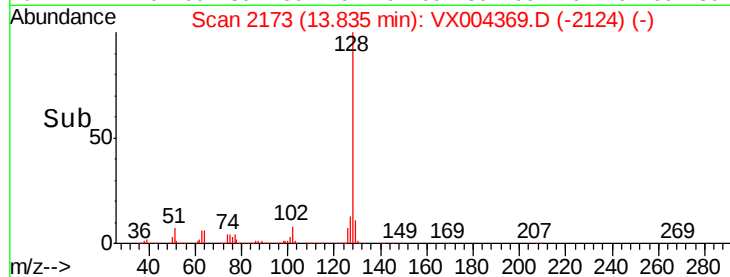
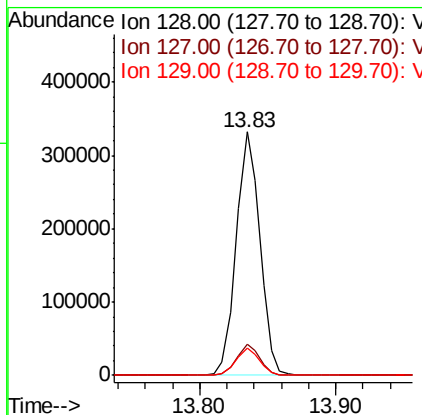
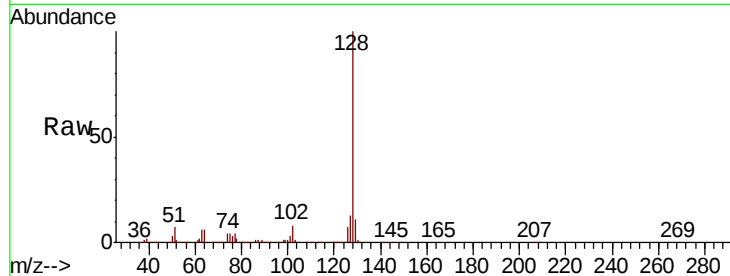
ClientSampleId :

VX0905MBSD01

Tot Ion:	128	Resp:	403341
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.2	15.2
129	11.1	8.6	12.8

Manual Integrations
APPROVED

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9/6/2018 12:48:37 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.94 ug/l

RT: 14.02 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VX004369.D

Acq: 05 Sep 2018 14:02

Tgt Ion:	180	Resp:	142344
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.5	145.6
145	29.4	14.9	44.9

