

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083118\
 Data File : VX004331.D
 Acq On : 31 Aug 2018 17:27
 Operator : JC/MD
 Sample : VX0831MBS01
 Misc : 5.00µg/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBS01

Manual Integrations
 APPROVED

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 9/4/2018 12:10:41 PM

Quant Time: Sep 01 05:13:11 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	5.66	168	306184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	437029	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	411238	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	249740	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	196075	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
35) Dibromofluoromethane	5.50	113	168556	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
50) Toluene-d8	8.71	98	625358	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.14	95	232363	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	66469	18.74	ug/l	98
3) Chloromethane	1.32	50	73840	19.02	ug/l	98
4) Vinyl Chloride	1.40	62	77233	19.25	ug/l	97
5) Bromomethane	1.64	94	39589	18.75	ug/l	99
6) Chloroethane	1.72	64	52021	17.58	ug/l	95
7) Trichlorofluoromethane	1.93	101	102896	18.72	ug/l	94
8) Diethyl Ether	2.18	74	46908	19.93	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	65519	19.03	ug/l	99
10) Methyl Iodide	2.51	142	64615	19.48	ug/l	98
11) Tert butyl alcohol	3.07	59	86786	102.02	ug/l	99
12) 1,1-Dichloroethene	2.37	96	60436	18.63	ug/l	93
13) Acrolein	2.29	56	48769	237.80	ug/l	98
14) Allyl chloride	2.73	41	119389	20.03	ug/l	96
15) Acrylonitrile	3.15	53	213827	101.50	ug/l	100
16) Acetone	2.45	43	183496	108.05	ug/l	100
17) Carbon Disulfide	2.57	76	151274	17.32	ug/l	100
18) Methyl Acetate	2.78	43	148336	25.05	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	211406	19.78	ug/l	96
20) Methylene Chloride	2.85	84	72272	18.81	ug/l	96
21) trans-1,2-Dichloroethene	3.16	96	65613	18.28	ug/l	98
22) Diisopropyl ether	3.87	45	221604	19.92	ug/l	93
23) Vinyl Acetate	3.82	43	840839	93.24	ug/l	100
24) 1,1-Dichloroethane	3.69	63	127697	19.69	ug/l	99
25) 2-Butanone	4.70	43	276926	101.87	ug/l	97
26) 2,2-Dichloropropane	4.58	77	96758	19.02	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	75608	18.57	ug/l	99
28) Bromochloromethane	5.01	49	60386	21.03	ug/l	97
29) Tetrahydrofuran	5.16	42	173816	101.37	ug/l	99
30) Chloroform	5.21	83	128539	19.77	ug/l	100
31) Cyclohexane	5.57	56	102353	18.29	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	106051	19.56	ug/l	99
36) 1,1-Dichloropropene	5.80	75	90992	18.52	ug/l	99
37) Ethyl Acetate	4.86	43	96039	19.88	ug/l	100
38) Carbon Tetrachloride	5.78	117	89751	19.42	ug/l	99

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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	103499	18.45	ug/l	99
40) Benzene	6.14	78	289313	19.71	ug/l	99
41) Methacrylonitrile	5.06	41	56823	20.29	ug/l	99
42) 1,2-Dichloroethane	6.20	62	98846	19.74	ug/l	99
43) Isopropyl Acetate	6.46	43	145999	19.66	ug/l	99
44) Trichloroethene	7.21	130	75516	18.58	ug/l	96
45) 1,2-Dichloropropane	7.52	63	74239	20.20	ug/l	98
46) Dibromomethane	7.66	93	48493	19.82	ug/l	99
47) Bromodichloromethane	7.90	83	91789	20.16	ug/l	99
48) Methyl methacrylate	7.78	41	79627	20.04	ug/l	99
49) 1,4-Dioxane	7.76	88	38706	429.10	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	530738	98.38	ug/l	99
52) Toluene	8.79	92	181533	19.75	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	97154	19.32	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	109753	20.04	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	76537	20.63	ug/l	98
56) Ethyl methacrylate	9.18	69	99337	19.67	ug/l	99
57) 1,3-Dichloropropane	9.37	76	127318	20.36	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.32	63	295122	114.05	ug/l	99
59) 2-Hexanone	9.50	43	403557	98.05	ug/l	99
60) Dibromochloromethane	9.59	129	71729	19.85	ug/l	100
61) 1,2-Dibromoethane	9.67	107	76656	19.97	ug/l	100
64) Tetrachloroethene	9.34	164	80931	19.92	ug/l	100
65) Chlorobenzene	10.14	112	194903	18.88	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.23	131	70445	19.79	ug/l	98
67) Ethyl Benzene	10.25	91	322240	19.22	ug/l	95
68) m/p-Xylenes	10.36	106	250009	38.15	ug/l	99
69) o-Xylene	10.70	106	121596	19.61	ug/l	99
70) Styrene	10.71	104	205104	20.43	ug/l	98
71) Bromoform	10.86	173	53544	18.66	ug/l #	99
73) Isopropylbenzene	11.02	105	343609	20.95	ug/l	100
74) N-amyl acetate	10.90	43	119654	18.95	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	116457	20.29	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	104984m	20.67	ug/l	
77) Bromobenzene	11.26	156	92370	20.08	ug/l	99
78) n-propylbenzene	11.36	91	390633	20.71	ug/l	100
79) 2-Chlorotoluene	11.42	91	235242	20.26	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	283896	20.90	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	29374	18.76	ug/l	96
82) 4-Chlorotoluene	11.51	91	274510	20.09	ug/l	100
83) tert-Butylbenzene	11.77	119	281865	20.62	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	293571	21.05	ug/l	99
85) sec-Butylbenzene	11.94	105	343275	21.16	ug/l	100
86) p-Isopropyltoluene	12.07	119	309491	21.28	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	169139	19.52	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	173615	19.01	ug/l	99
89) n-Butylbenzene	12.39	91	236068	19.96	ug/l	98
90) Hexachloroethane	12.60	117	41822	20.58	ug/l	99
91) 1,2-Dichlorobenzene	12.40	146	162145	20.48	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19541	19.33	ug/l	99

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Instrument :
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VX0831MBS01

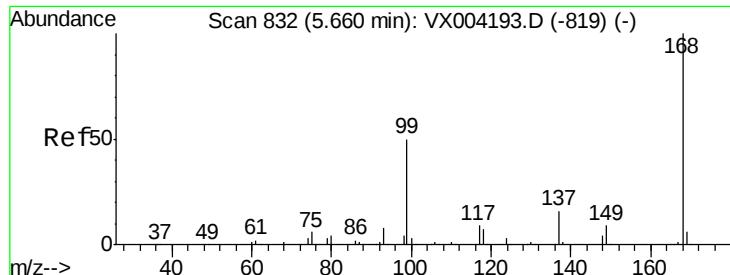
Manual Integrations
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9/4/2018 12:10:41 PM

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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)
93) 1,2,4-Trichlorobenzene	13.65	180	109093	18.94	ug/l	97
94) Hexachlorobutadiene	13.79	225	61582	22.90	ug/l	97
95) Naphthalene	13.83	128	339211	20.82	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	124509	20.42	ug/l	99

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



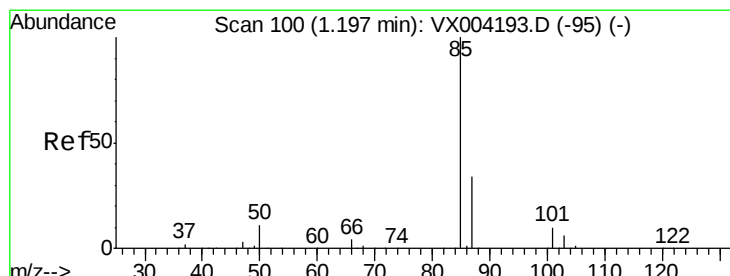
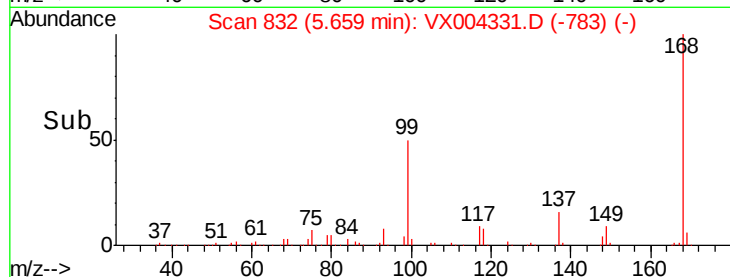
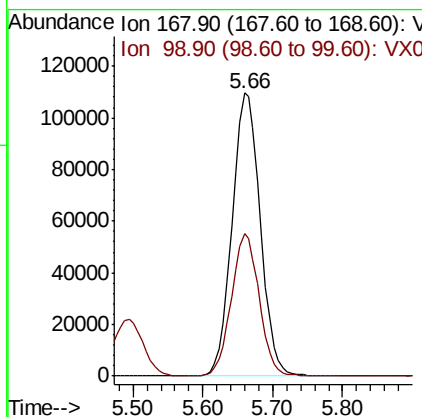
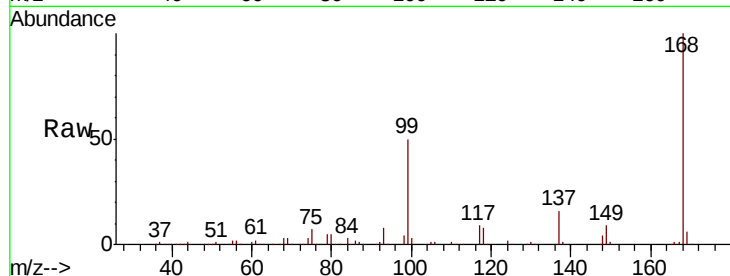
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.66 min Scan# 832
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	50.4	39.9	59.9

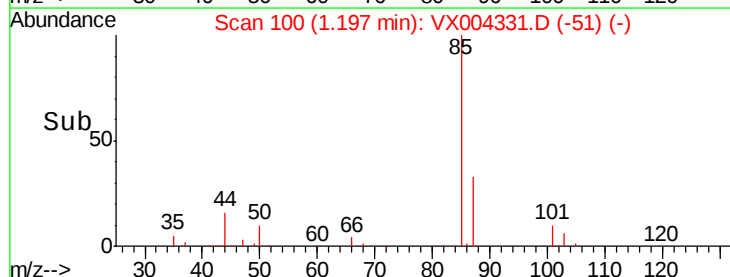
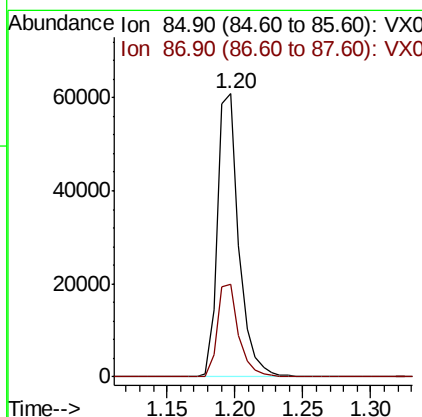
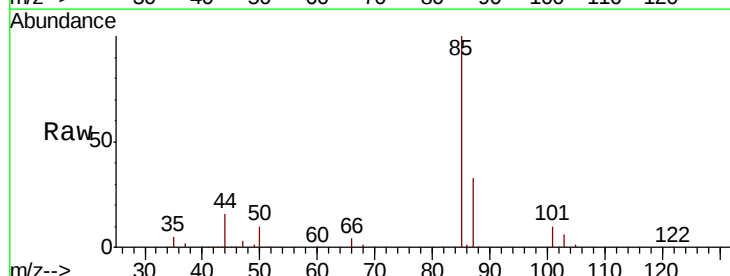
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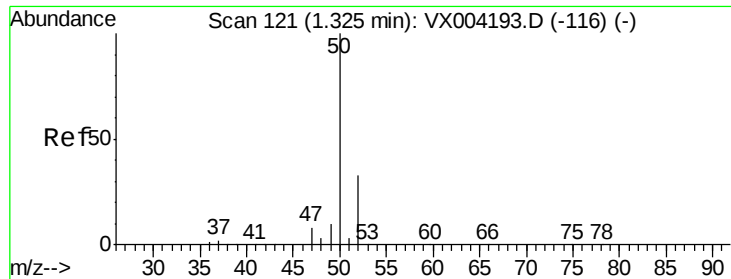
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#2
Dichlorodifluoromethane
Concen: 18.74 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.6	17.0	50.9





#3

Chloromethane

Concen: 19.02 ug/l

RT: 1.32 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

Tot Ion: 50 Resp: 73840

Ion Ratio Lower Upper

50 100

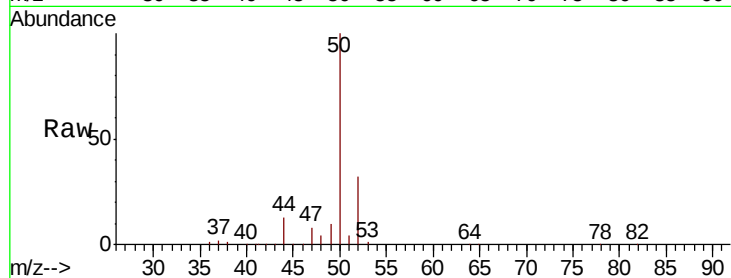
52 31.7 26.2 39.2

Manual Integrations

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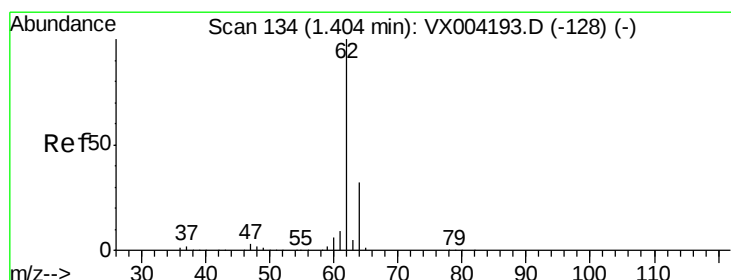
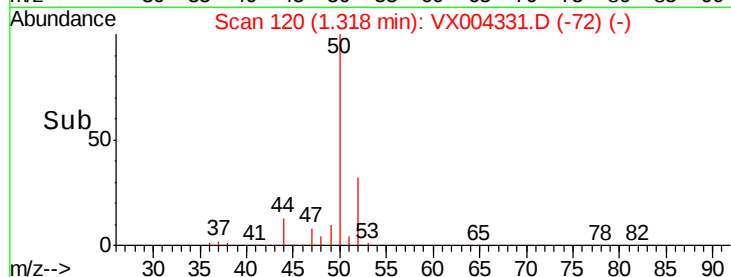
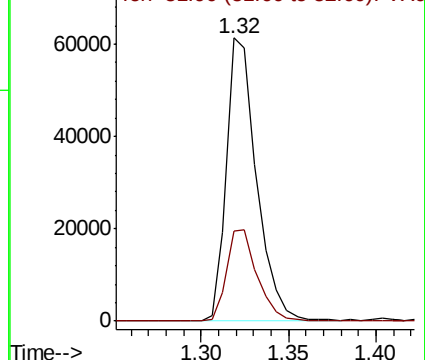
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.25 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004331.D

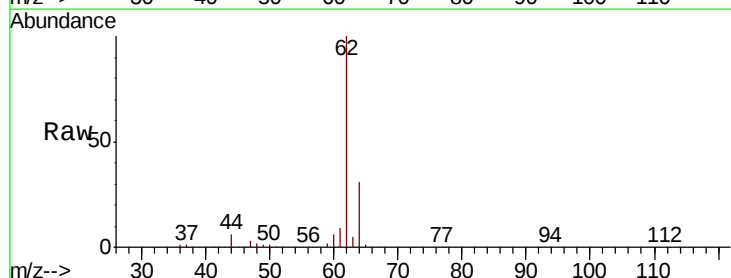
Acq: 31 Aug 2018 17:27

Tgt Ion: 62 Resp: 77233

Ion Ratio Lower Upper

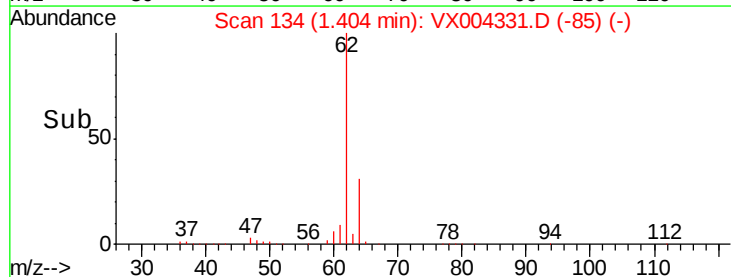
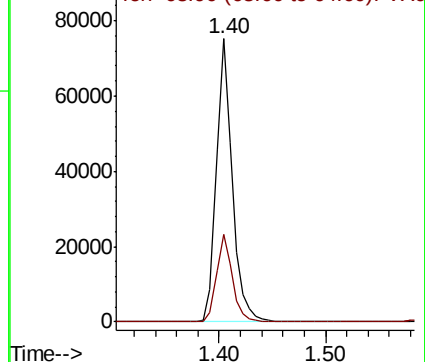
62 100

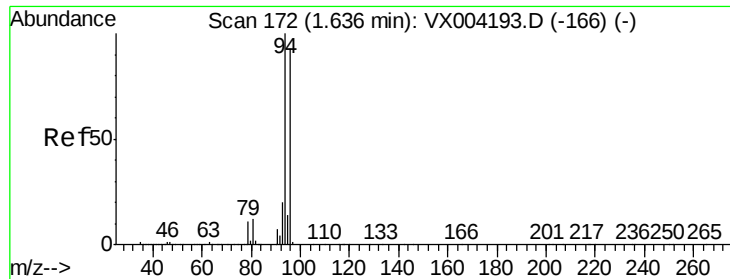
64 30.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 18.75 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

Tot Ion: 94 Resp: 39589

Ion Ratio Lower Upper

94 100

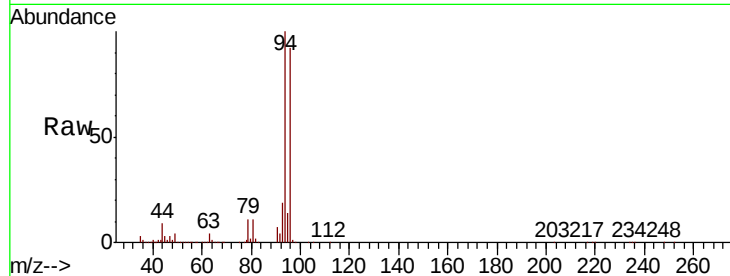
96 92.2 74.5 111.7

Manual Integrations

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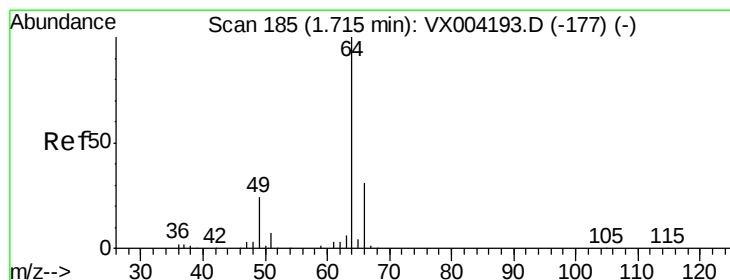
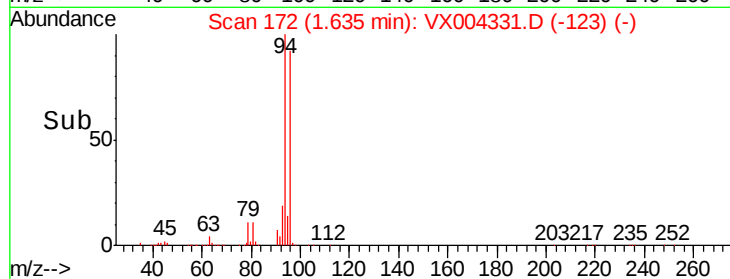
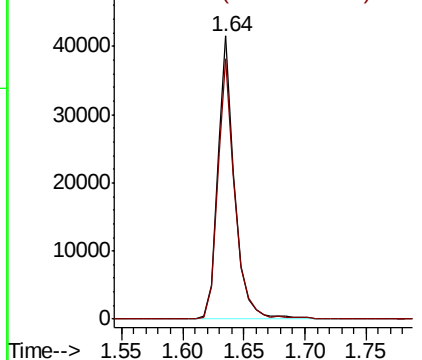
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.58 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004331.D

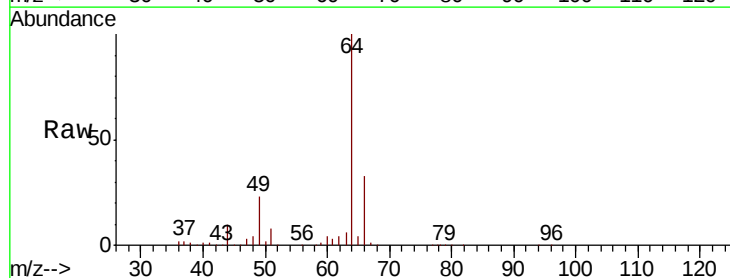
Acq: 31 Aug 2018 17:27

Tgt Ion: 64 Resp: 52021

Ion Ratio Lower Upper

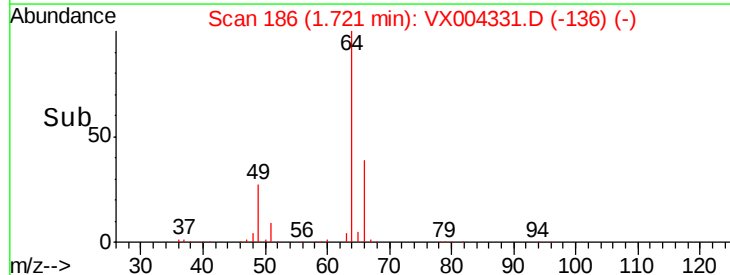
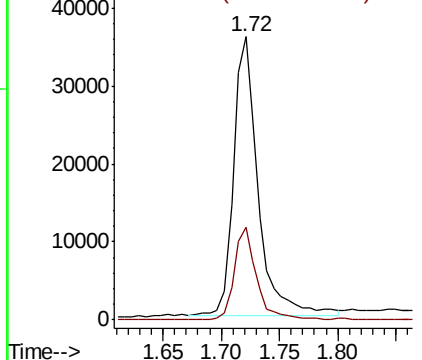
64 100

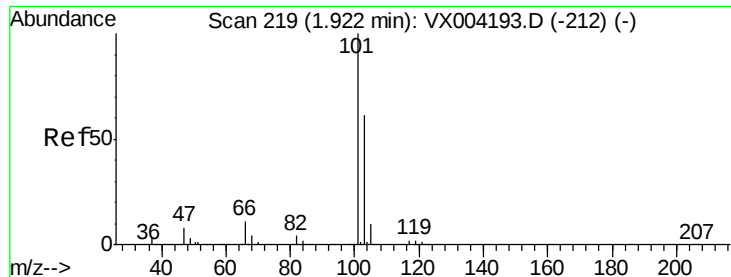
66 33.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

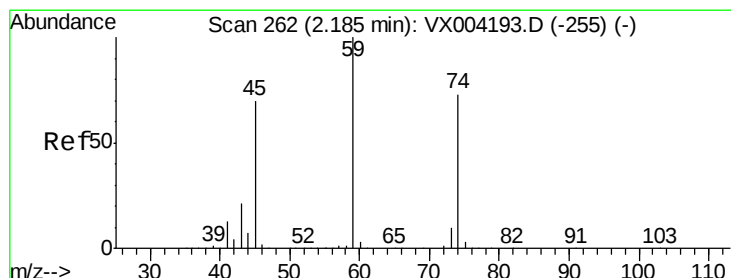
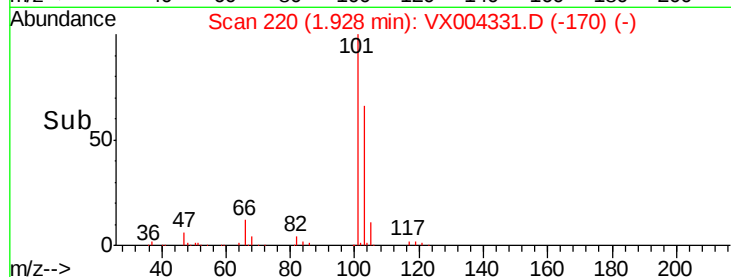
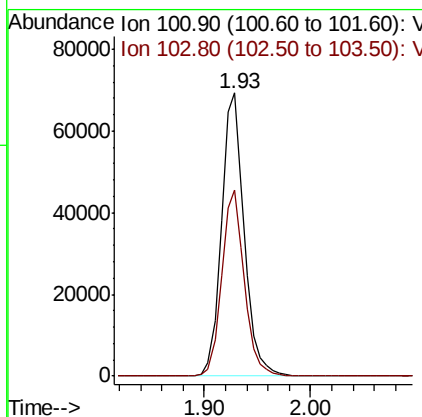
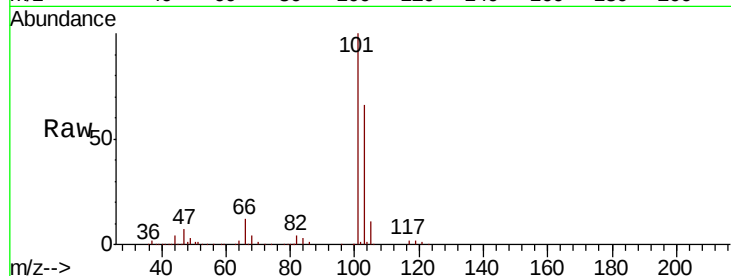
Trichlorofluoromethane
 Concen: 18.72 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	102896		
103	65.9	48.9	73.3	

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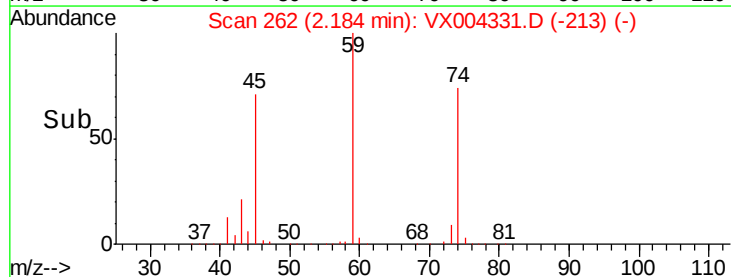
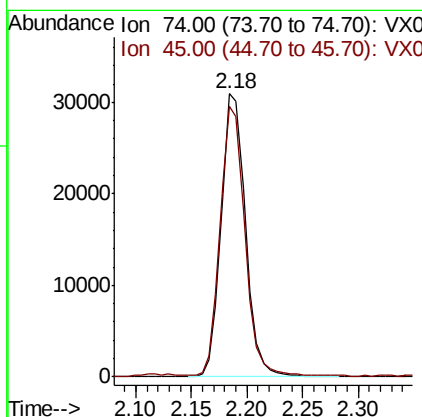
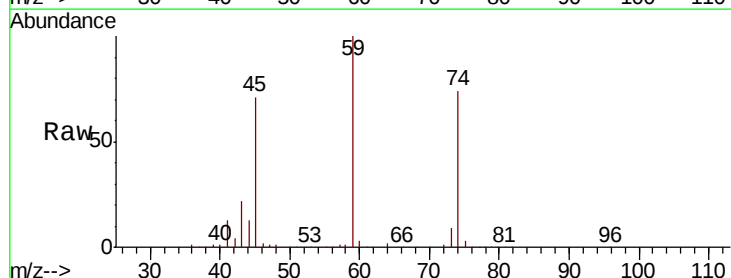
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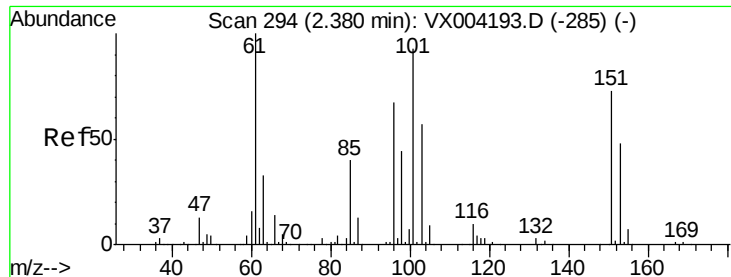


#8

Diethyl Ether
 Concen: 19.93 ug/l
 RT: 2.18 min Scan# 262
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	46908		
45	96.8	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.03 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

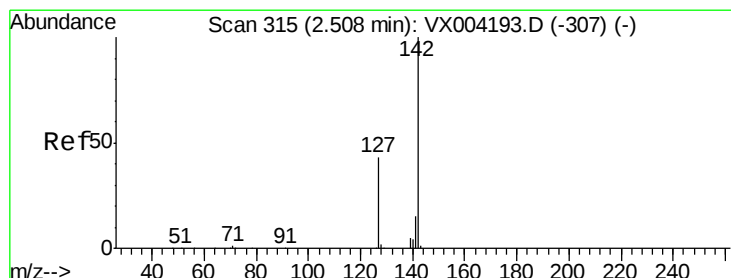
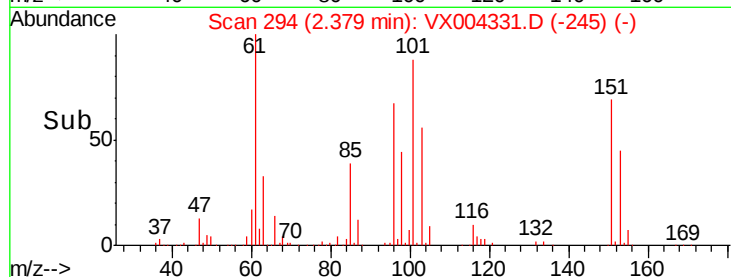
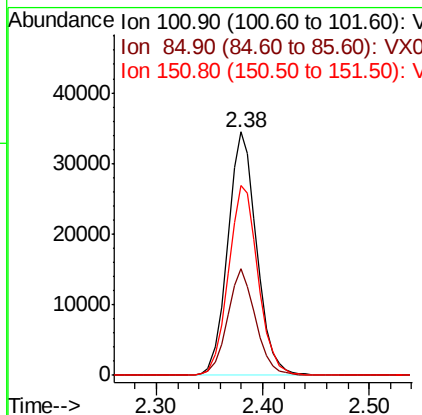
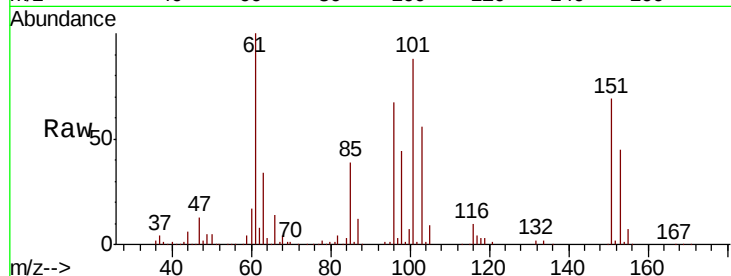
ClientSampleId :

VX0831MBS01

Tot Ion:	101	Resp:	65519
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.2	51.4
151	79.8	65.0	97.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.48 ug/l

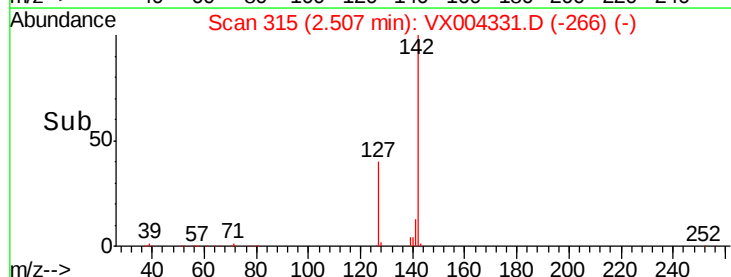
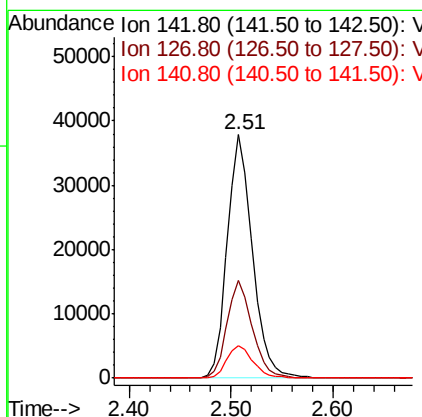
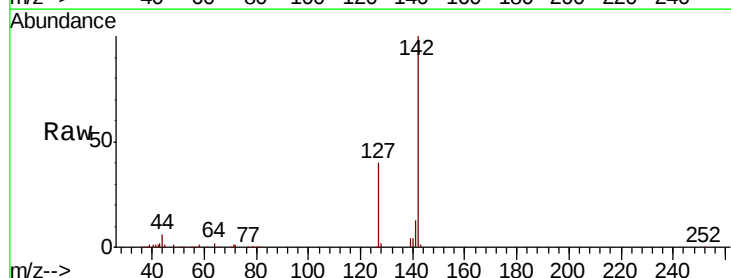
RT: 2.51 min Scan# 315

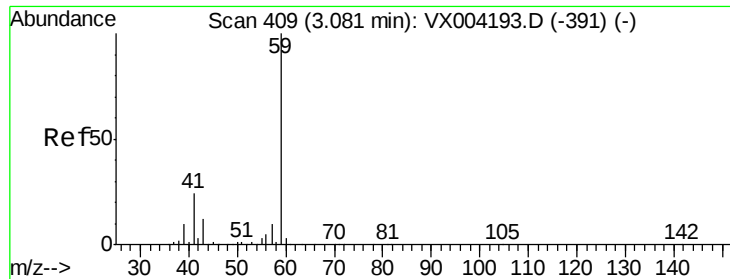
Delta R.T. 0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Tgt Ion:	142	Resp:	64615
Ion Ratio	Lower	Upper	
142	100		
127	40.7	33.8	50.6
141	14.0	11.4	17.0





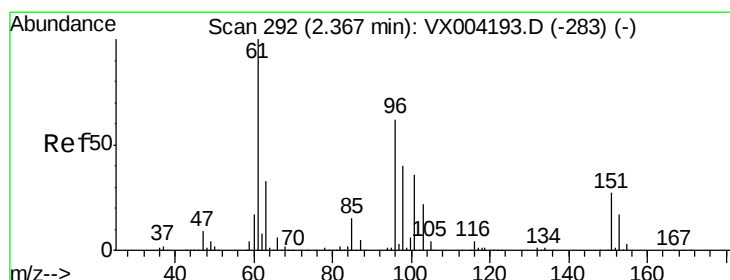
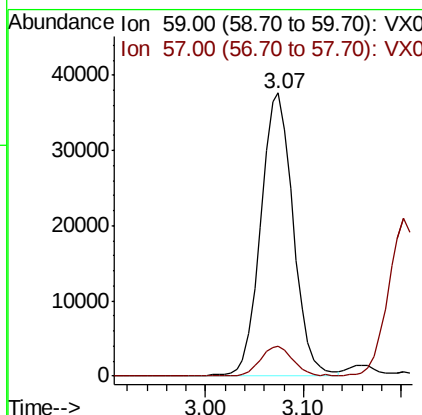
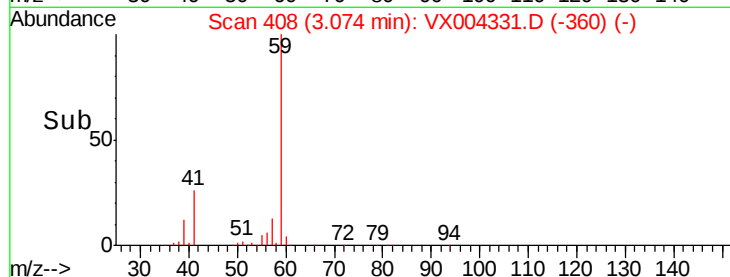
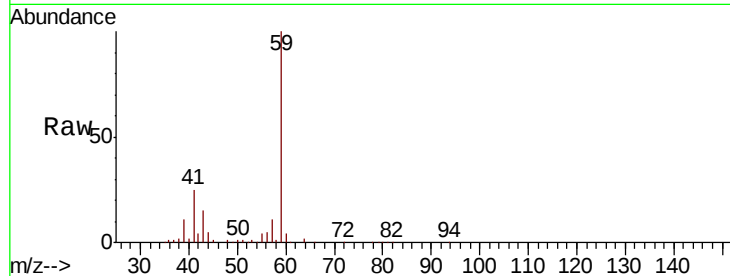
#11
Tert butyl alcohol
Concen: 102.02 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

Tot Ion: 59 Resp: 86786
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.4

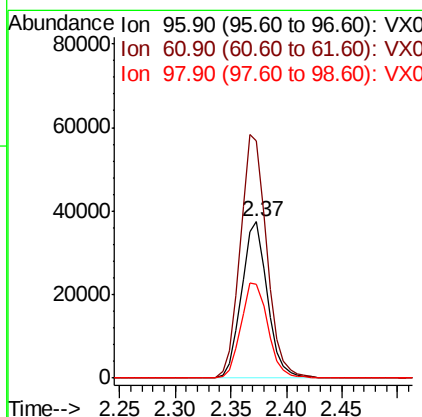
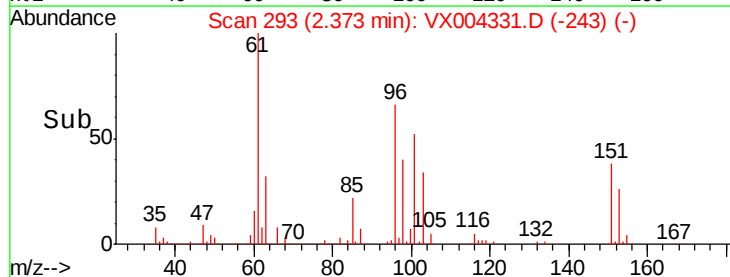
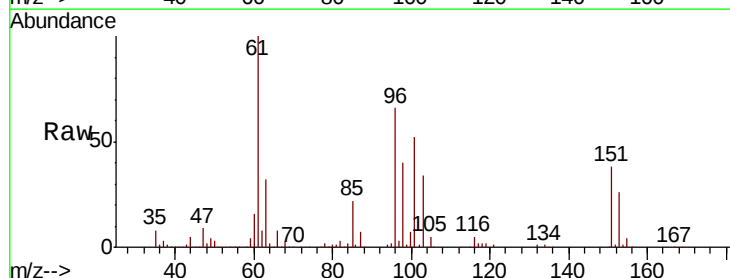
Manual Integrations
APPROVED

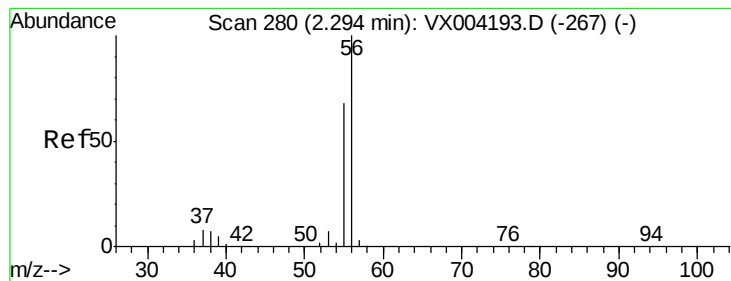
MMDadoda
9/4/2018 12:10:41 PM



#12
1,1-Dichloroethene
Concen: 18.63 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion: 96 Resp: 60436
Ion Ratio Lower Upper
96 100
61 152.0 128.8 193.2
98 60.1 52.2 78.2





#13

Acrolein

Concen: 237.80 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

Tot Ion: 56 Resp: 48769

Ion Ratio Lower Upper

56 100

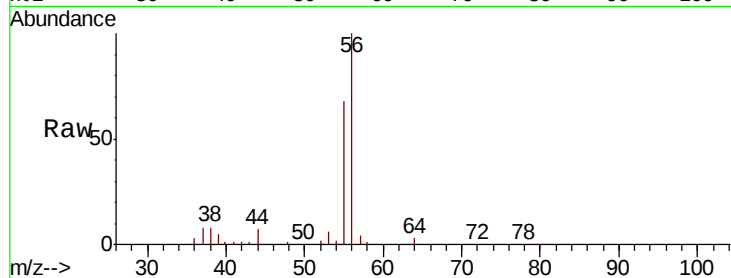
55 69.7 54.7 82.1

Manual Integrations

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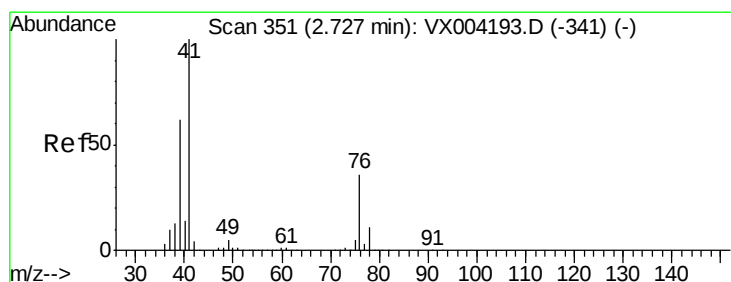
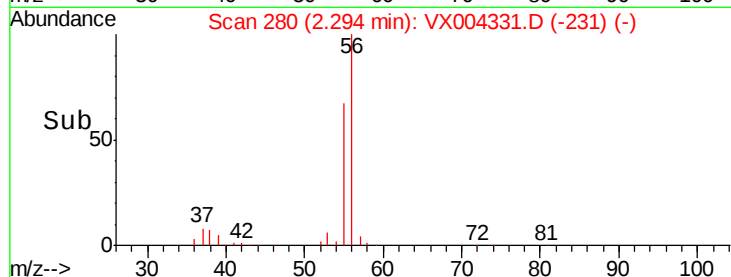
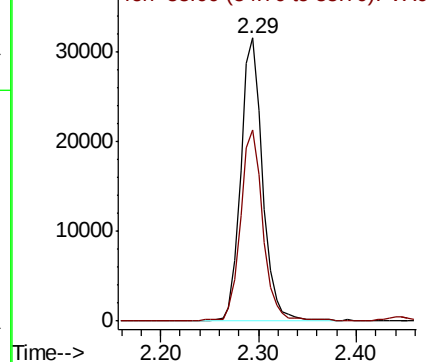
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.03 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

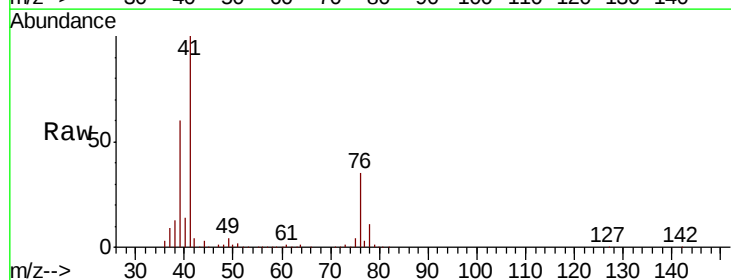
Tgt Ion: 41 Resp: 119389

Ion Ratio Lower Upper

41 100

39 57.6 48.9 73.3

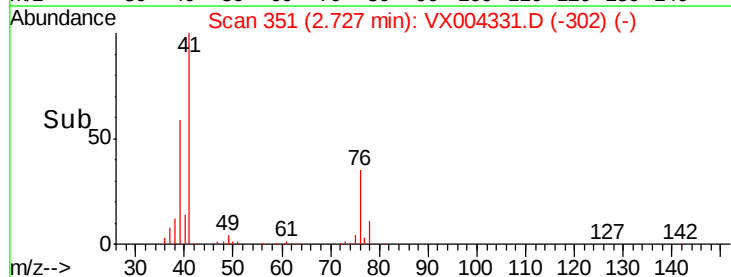
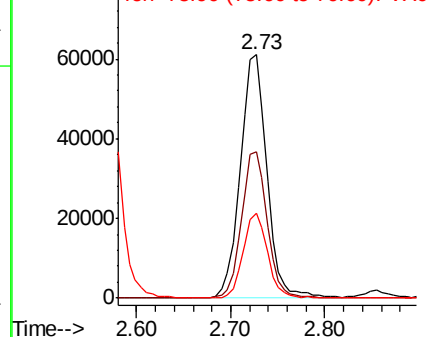
76 32.3 26.7 40.1



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: 101.50 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

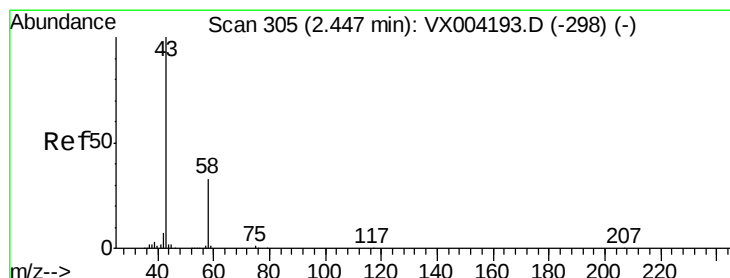
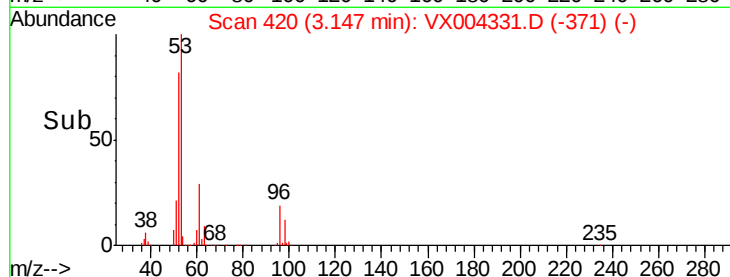
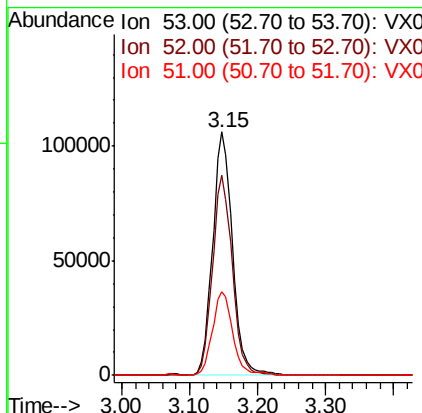
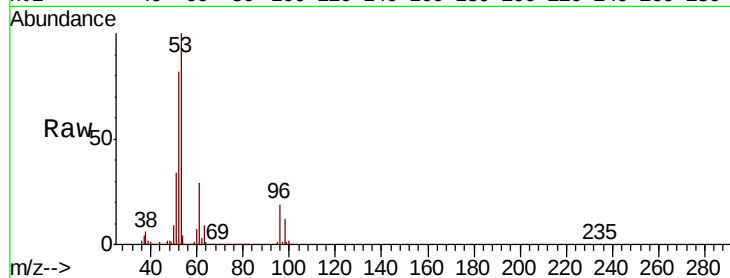
ClientSampled :

VX0831MBS01

Tot Ion:	53	Resp:	213827
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.2	97.8
51	35.2	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 108.05 ug/l

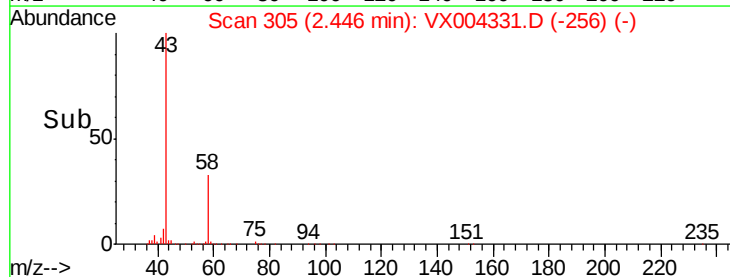
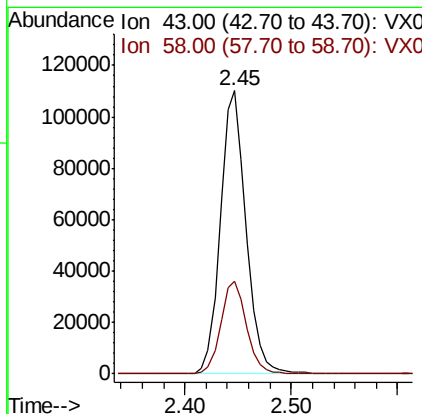
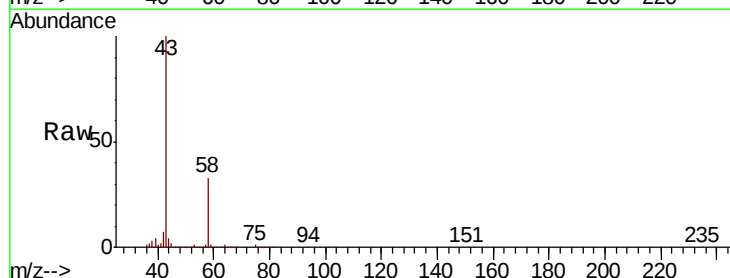
RT: 2.45 min Scan# 305

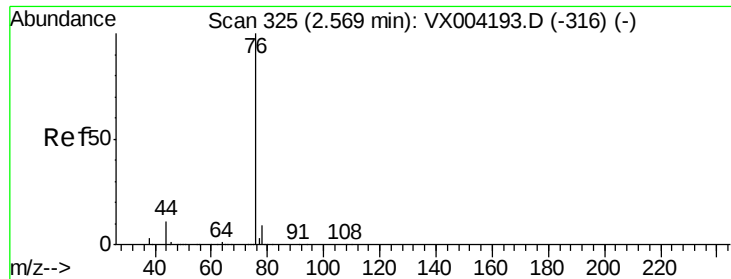
Delta R.T. 0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Tgt Ion:	43	Resp:	183496
Ion	Ratio	Lower	Upper
43	100		
58	32.7	26.2	39.4





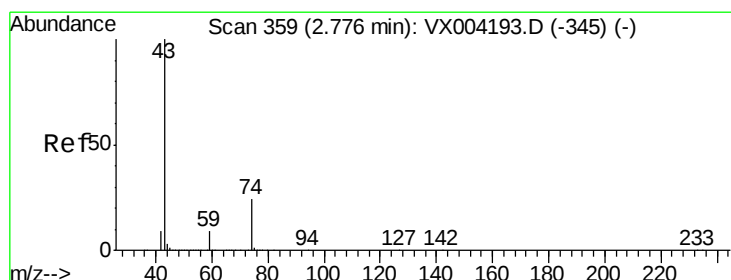
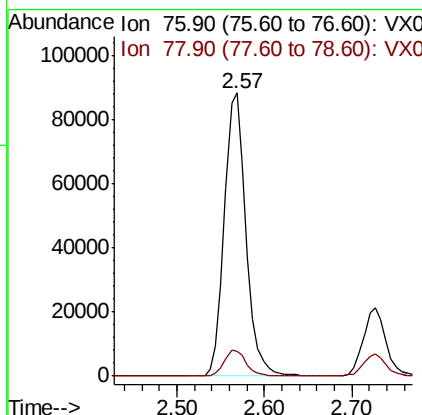
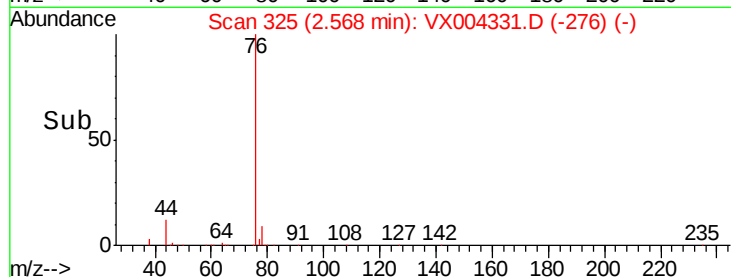
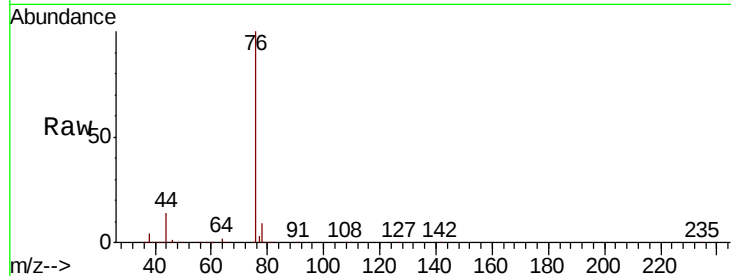
#17
Carbon Disulfide
Concen: 17.32 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.6

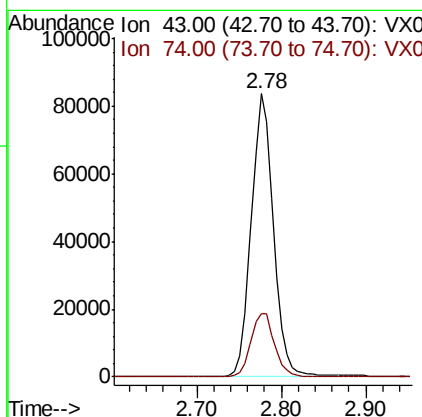
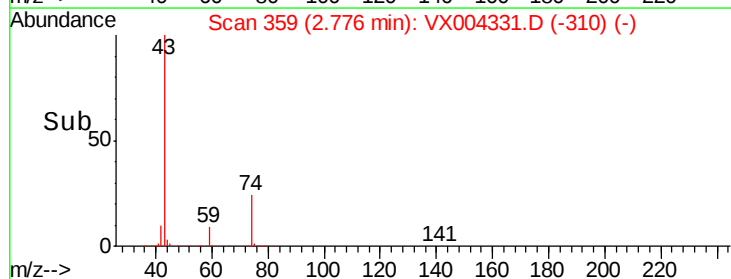
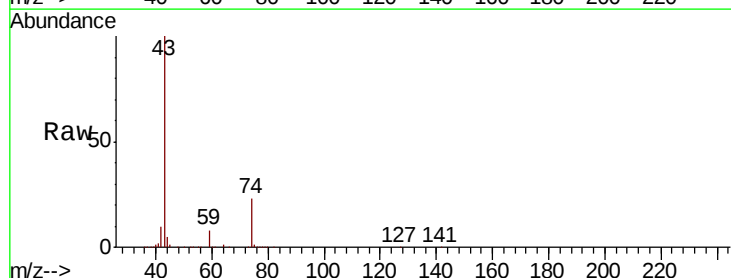
Manual Integrations
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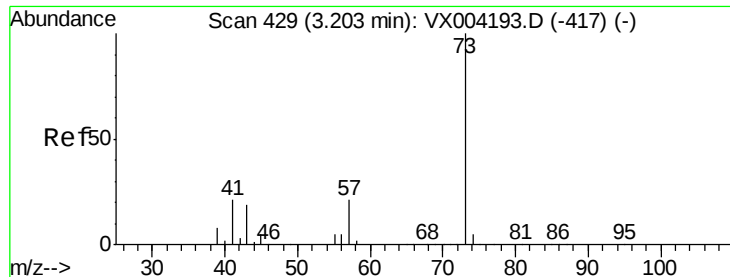
MMDadoda
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#18
Methyl Acetate
Concen: 25.05 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.4	29.2





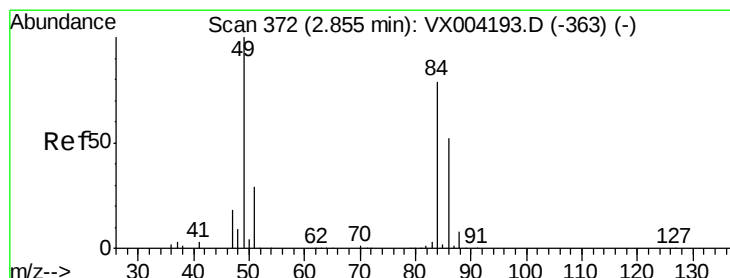
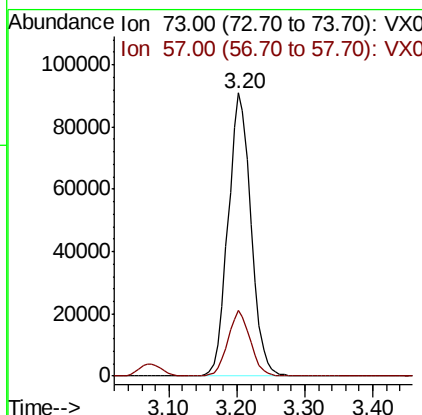
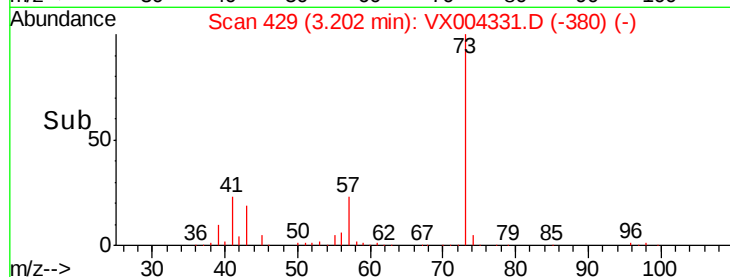
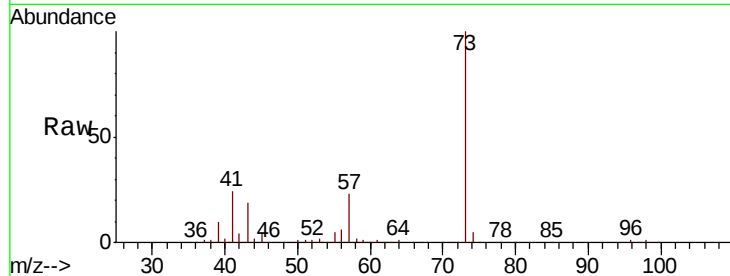
#19
Methvl tert-butvl Ether
Concen: 19.78 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

Tot Ion: 73 Resp: 211406
Ion Ratio Lower Upper
73 100
57 23.1 17.1 25.7

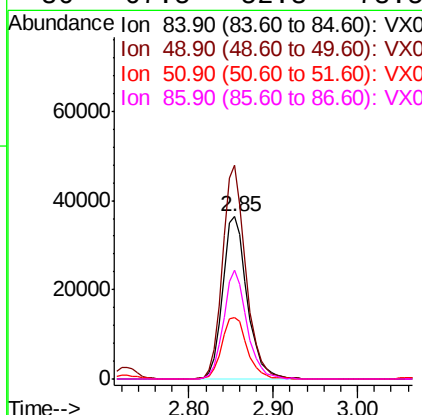
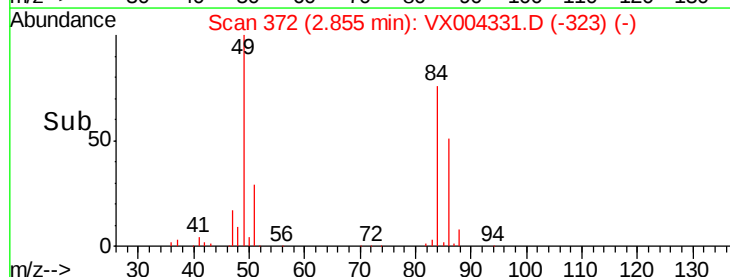
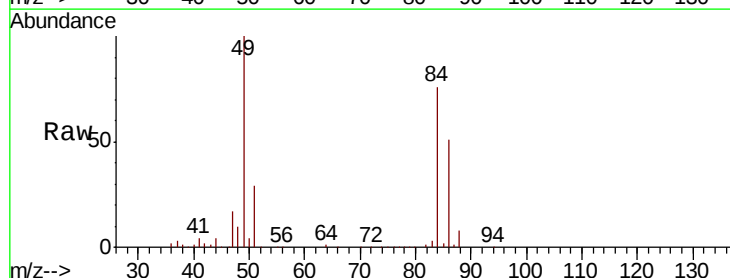
Manual Integrations
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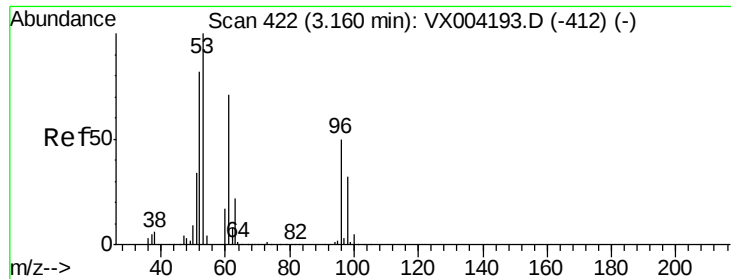
MMDadoda
9/4/2018 12:10:41 PM



#20
Methylene Chloride
Concen: 18.81 ug/l
RT: 2.85 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion: 84 Resp: 72272
Ion Ratio Lower Upper
84 100
49 131.9 101.2 151.8
51 37.9 29.5 44.3
86 67.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.28 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

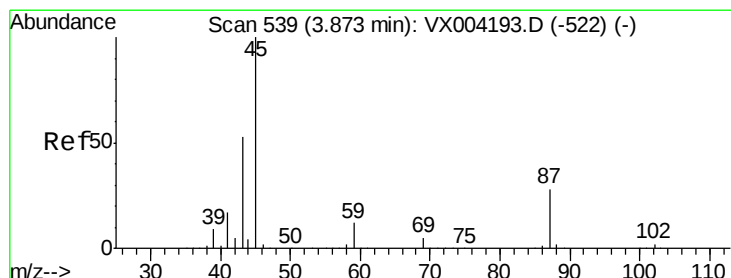
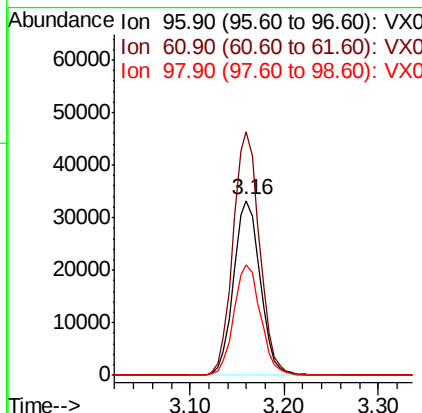
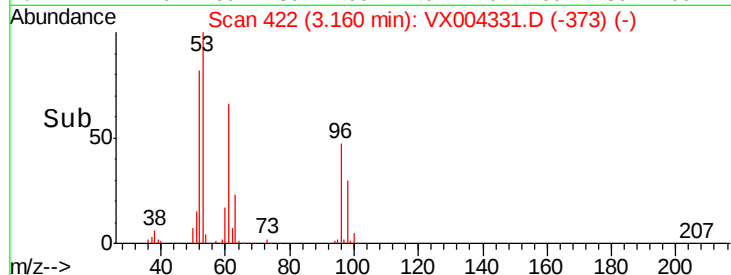
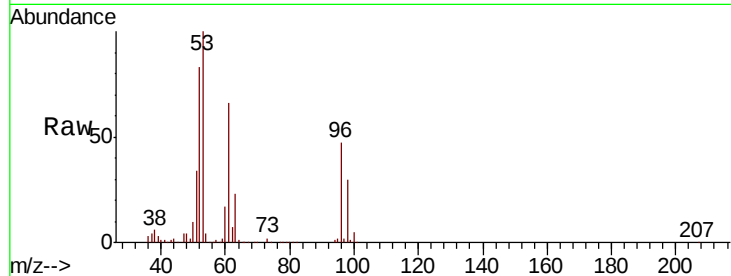
ClientSampleId :

VX0831MBS01

Tot Ion:	96	Resp:	65613
Ion	Ratio	Lower	Upper
96	100		
61	139.3	113.8	170.6
98	63.1	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.92 ug/l

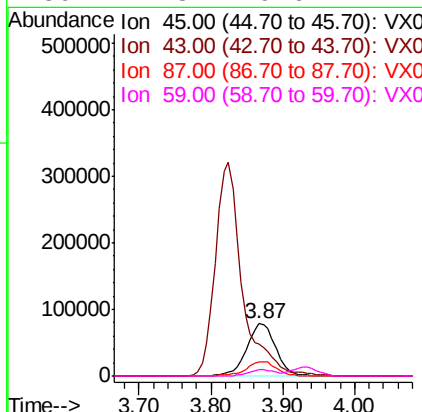
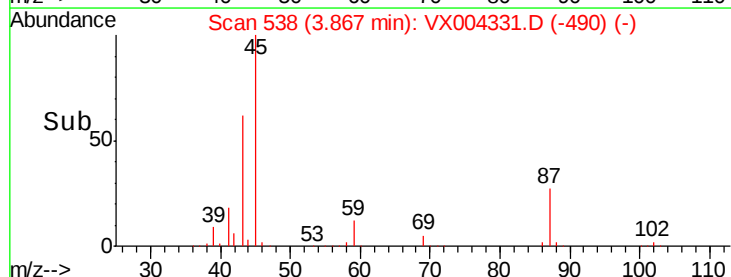
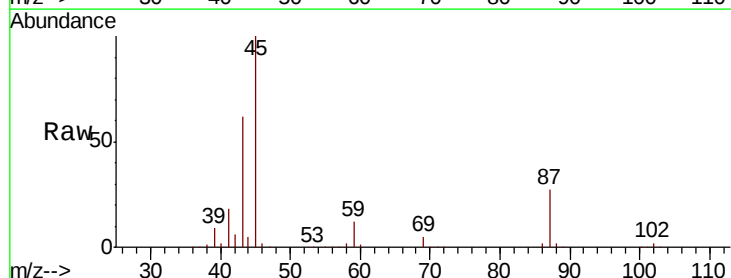
RT: 3.87 min Scan# 538

Delta R.T. -0.01 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Tgt Ion:	45	Resp:	221604
Ion	Ratio	Lower	Upper
45	100		
43	60.9	42.8	64.2
87	27.1	22.6	34.0
59	11.8	9.6	14.4





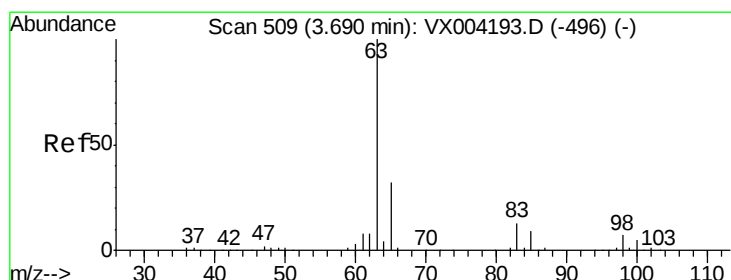
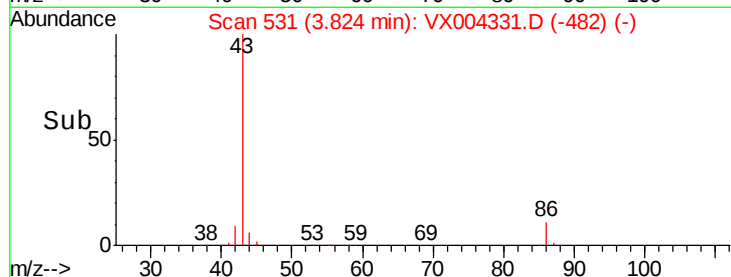
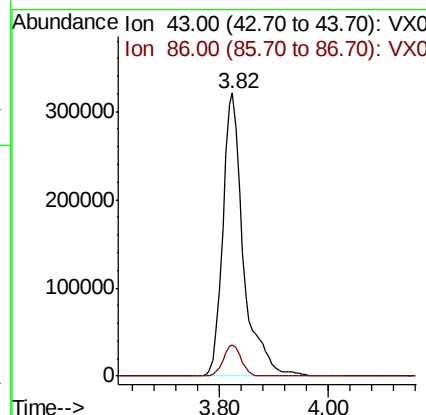
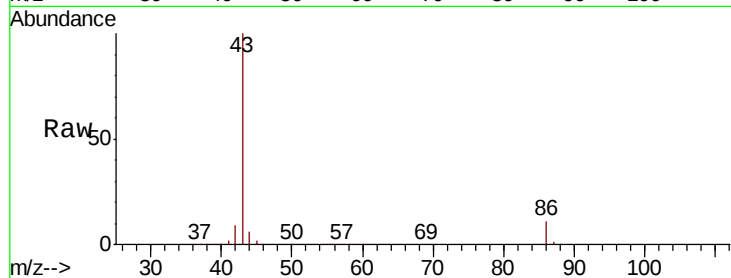
#23
 Vinyl Acetate
 Concen: 93.24 ug/l
 RT: 3.82 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.9	13.3

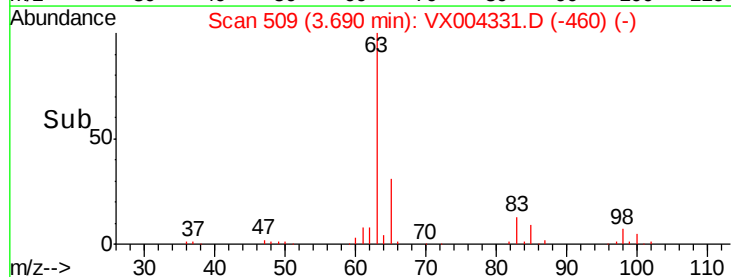
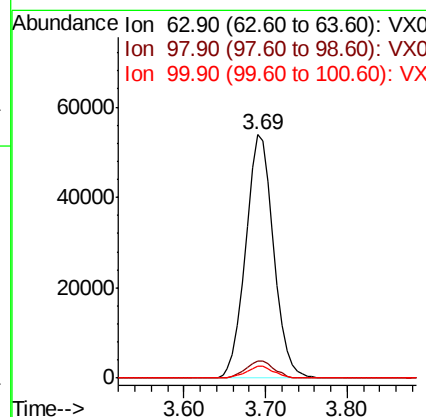
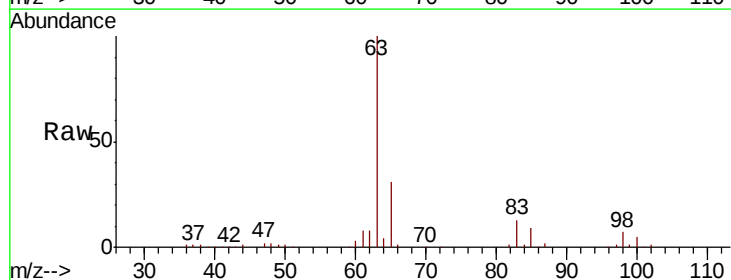
Manual Integrations
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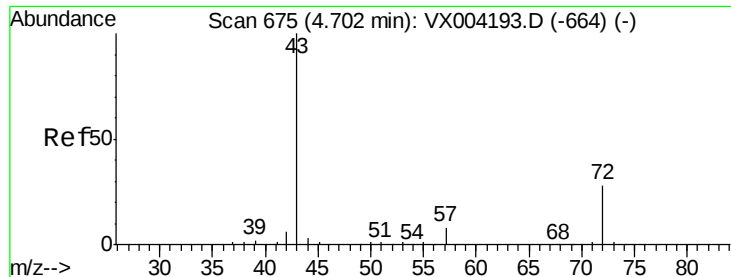
MMDadoda
 9/4/2018 12:10:41 PM



#24
 1,1-Dichloroethane
 Concen: 19.69 ug/l
 RT: 3.69 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.5	10.4
100	4.7	2.4	7.1





#25

2-Butanone

Concen: 101.87 ug/l

RT: 4.70 min Scan# 675

Delta R.T. 0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

Tot Ion: 43 Resp: 276926

Ion Ratio Lower Upper

43 100

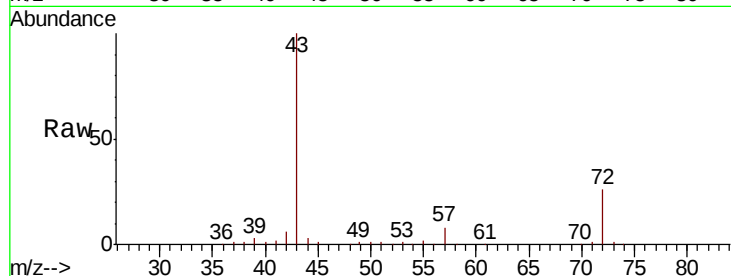
72 26.0 22.0 33.0

Manual Integrations

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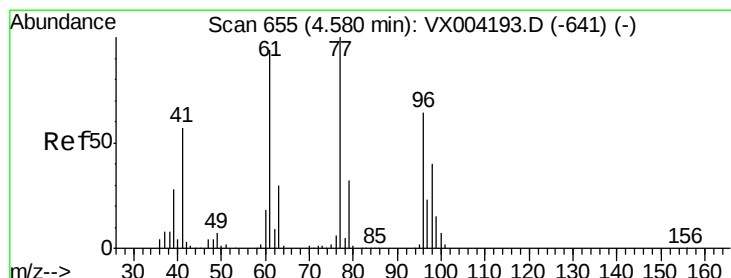
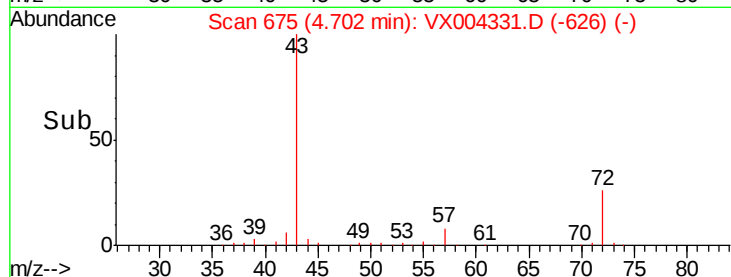
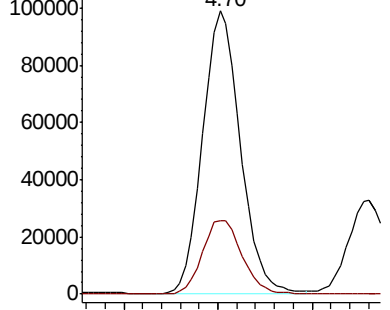
MMDadoda

9/4/2018 12:10:41 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.02 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004331.D

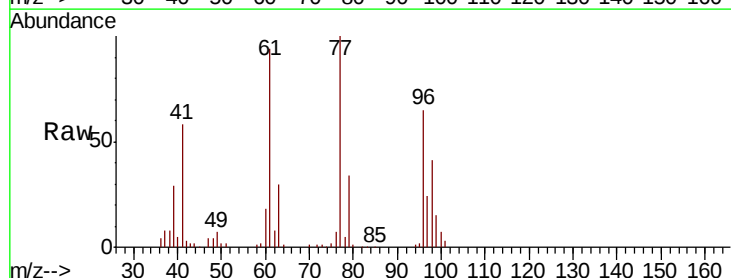
Acq: 31 Aug 2018 17:27

Tgt Ion: 77 Resp: 96758

Ion Ratio Lower Upper

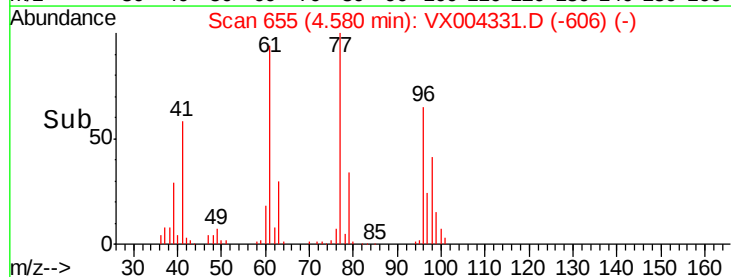
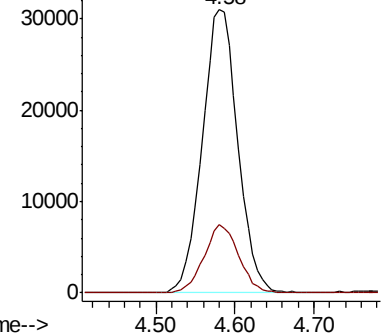
77 100

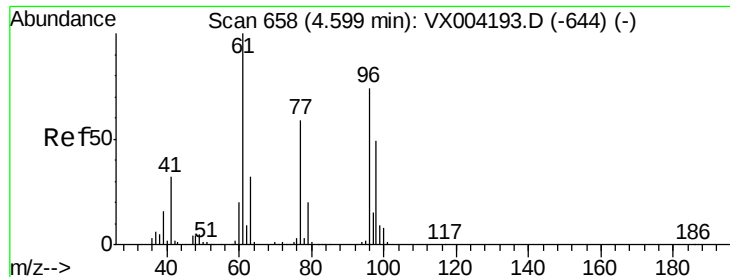
97 23.6 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

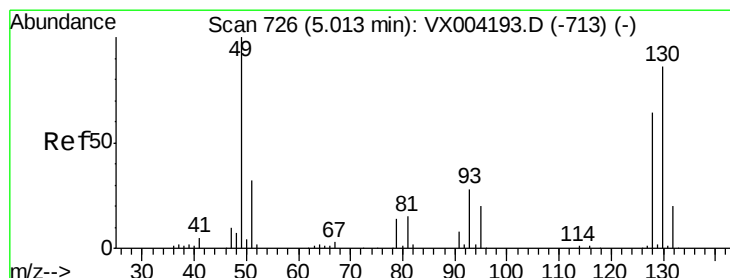
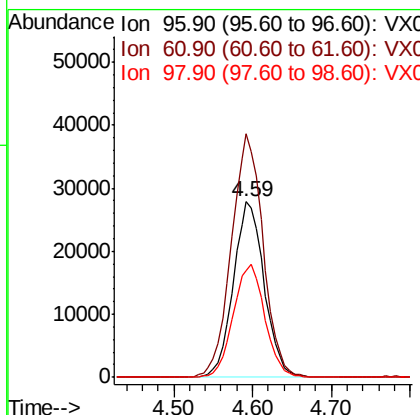
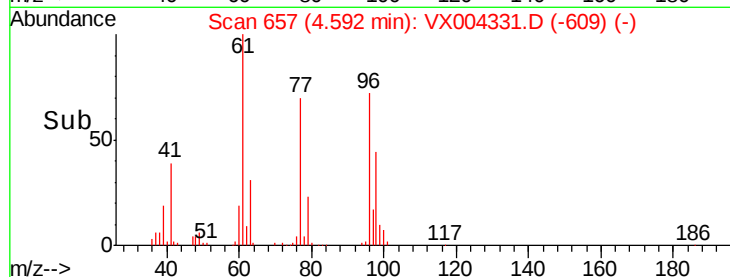
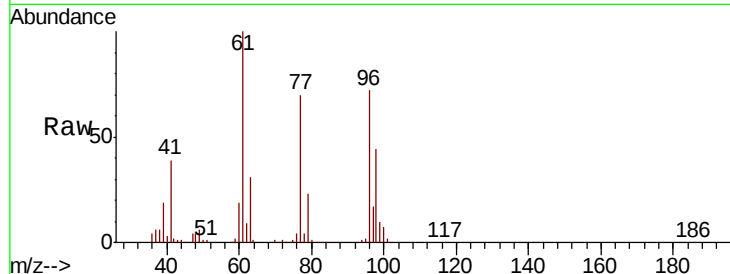
cis-1,2-Dichloroethene
 Concen: 18.57 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.9	0.0	282.6
98	66.0	0.0	130.2

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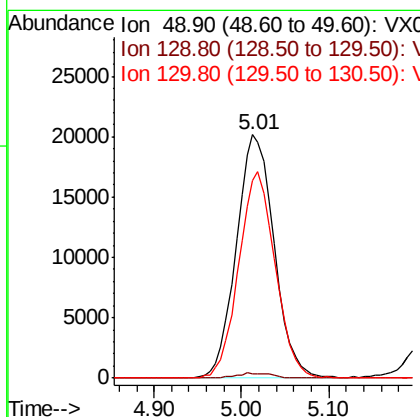
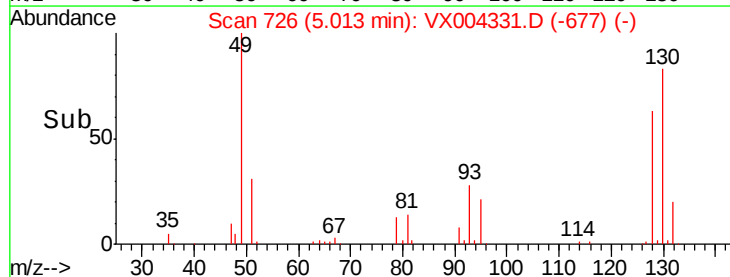
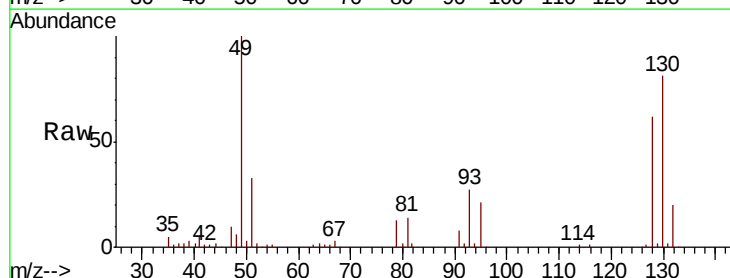
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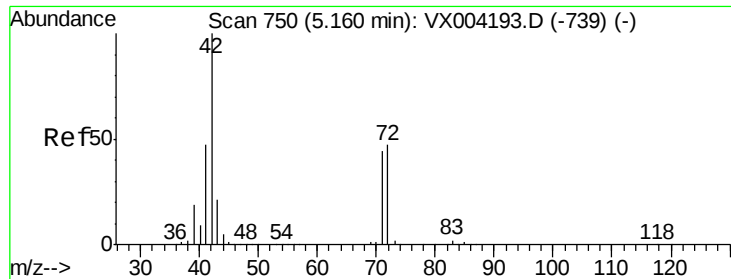


#28

Bromochloromethane
 Concen: 21.03 ug/l
 RT: 5.01 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.2
130	81.8	67.5	101.3





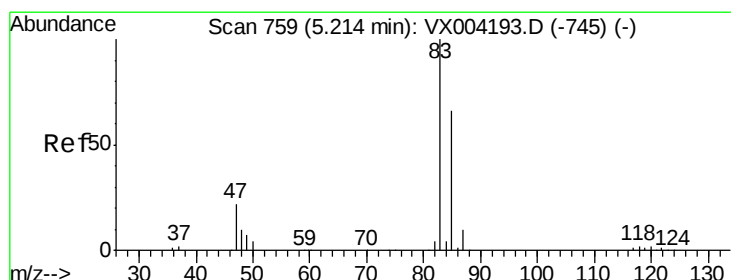
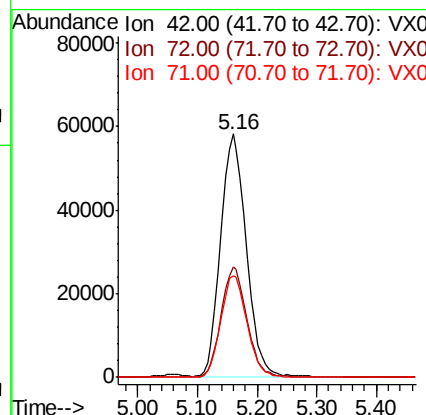
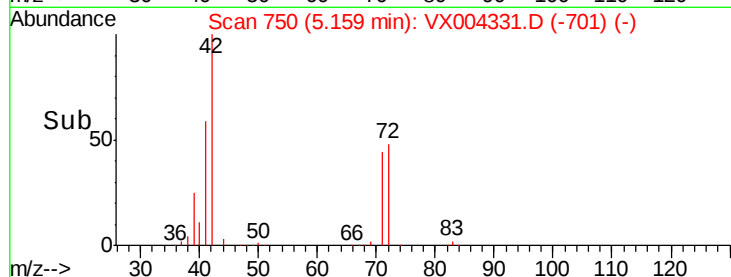
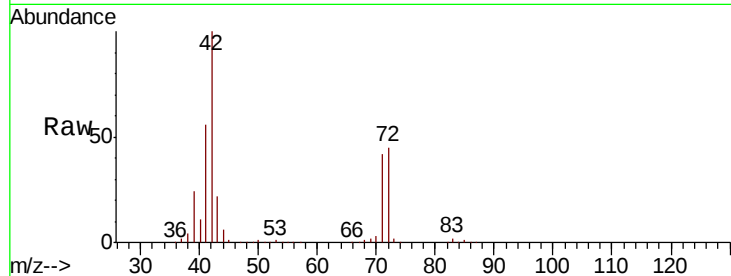
#29
Tetrahydrofuran
Concen: 101.37 ug/l
RT: 5.16 min Scan# 750
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	37.4	56.0
71	42.5	34.5	51.7

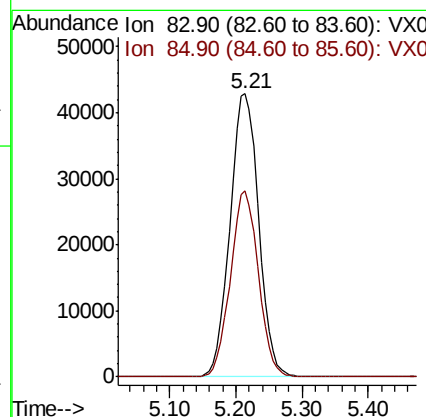
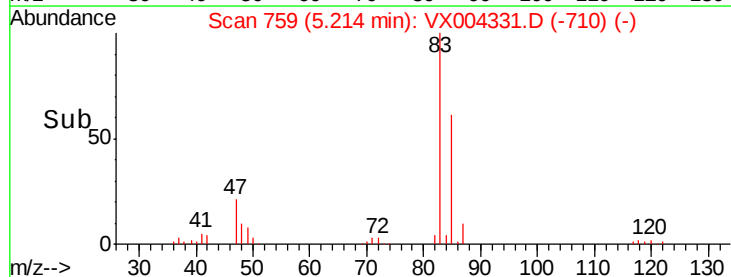
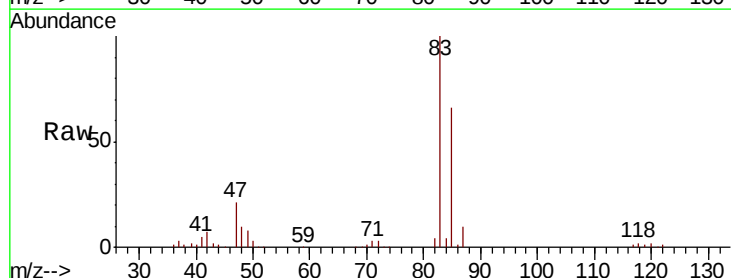
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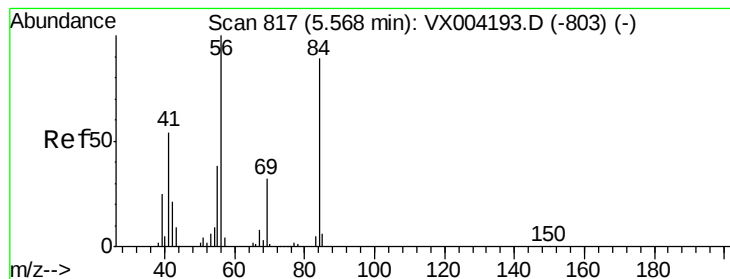
MMDadoda
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#30
Chloroform
Concen: 19.77 ug/l
RT: 5.21 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.6	79.0





#31

Cyclohexane

Concen: 18.29 ug/l

RT: 5.57 min Scan# 817

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

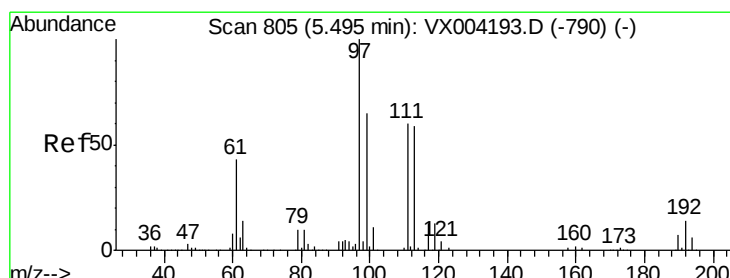
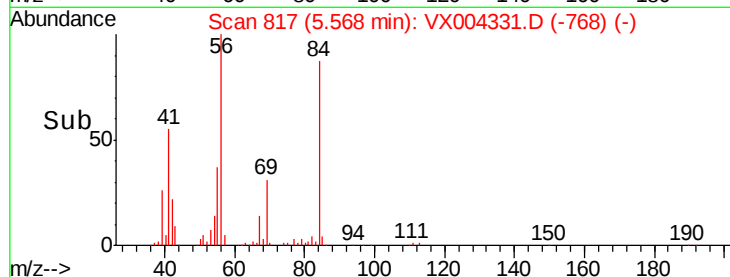
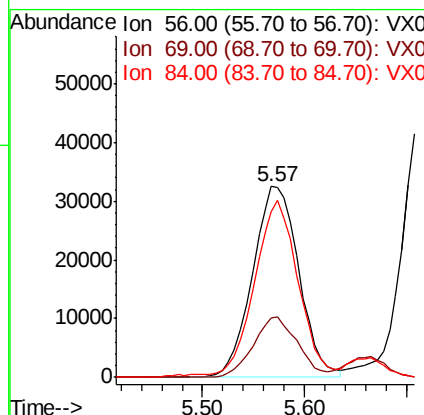
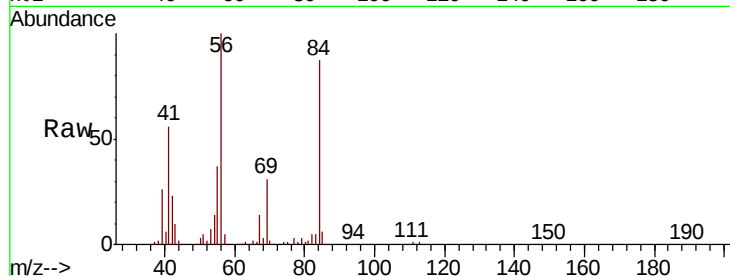
ClientSampled :

VX0831MBS01

Tot Ion:	56	Resp:	102353
Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.4	38.2
84	85.4	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 19.56 ug/l

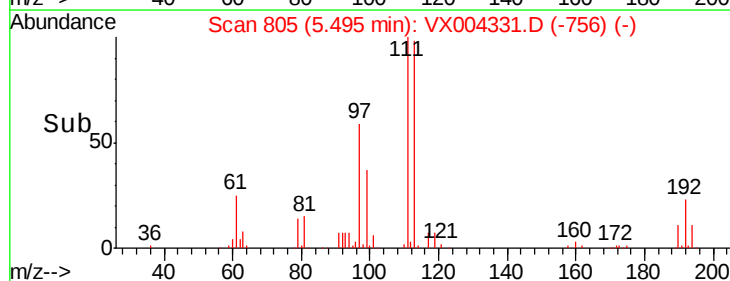
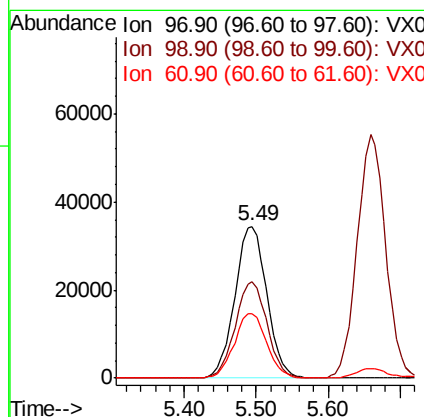
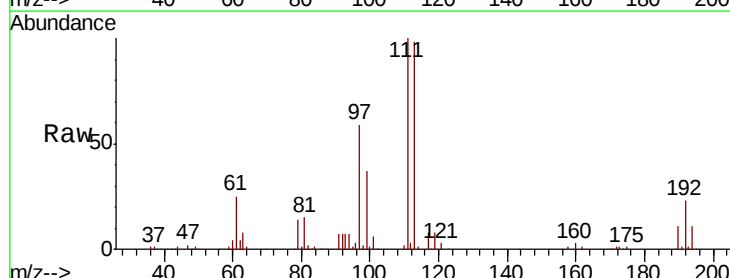
RT: 5.49 min Scan# 805

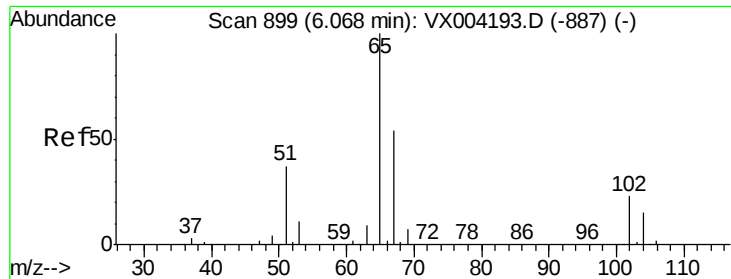
Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Tgt Ion:	97	Resp:	106051
Ion	Ratio	Lower	Upper
97	100		
99	63.4	52.0	78.0
61	43.3	34.9	52.3





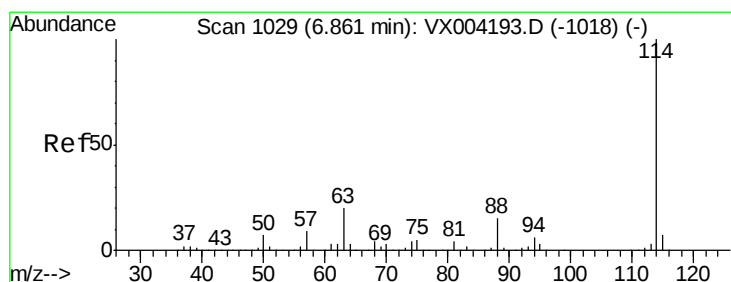
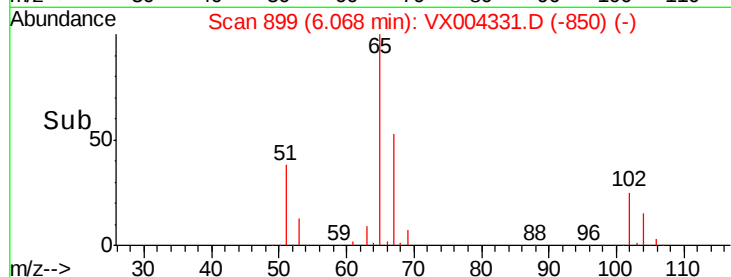
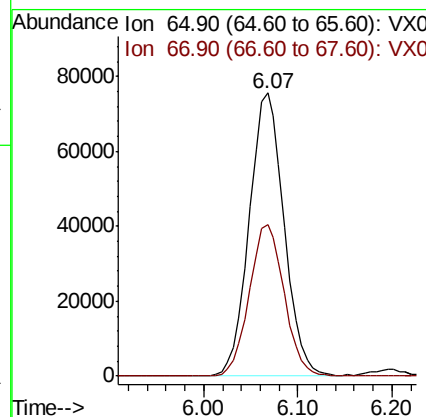
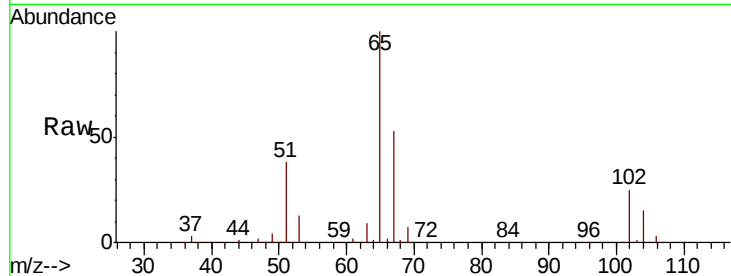
#33
 1,2-Dichloroethane-d4
 Concen: 49.13 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	196075		
67	53.7	0.0	106.8	

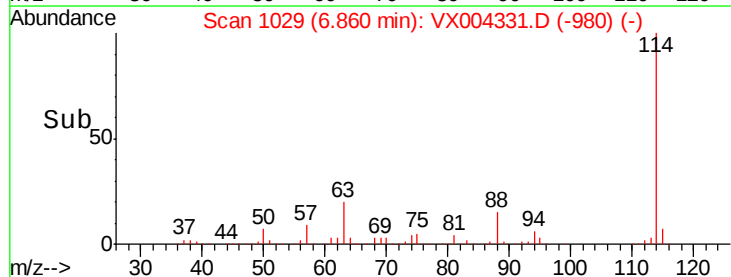
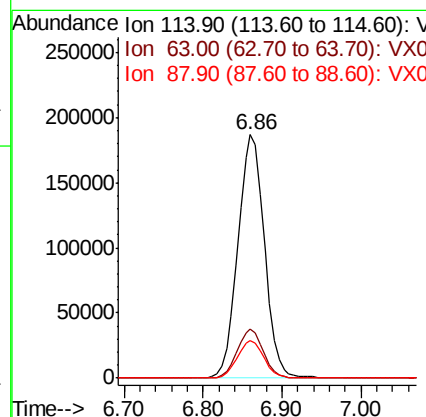
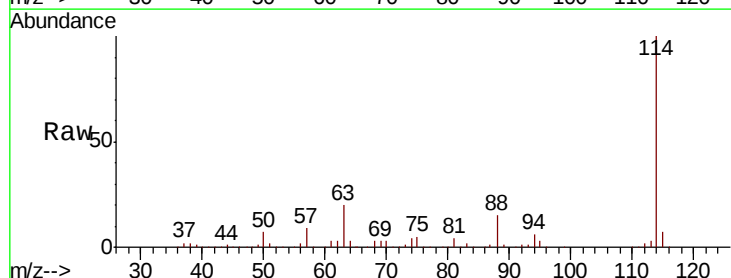
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	437029		
63	19.9	0.0	39.0	
88	15.5	0.0	30.4	





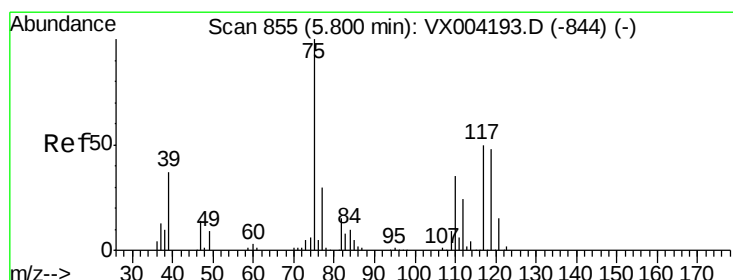
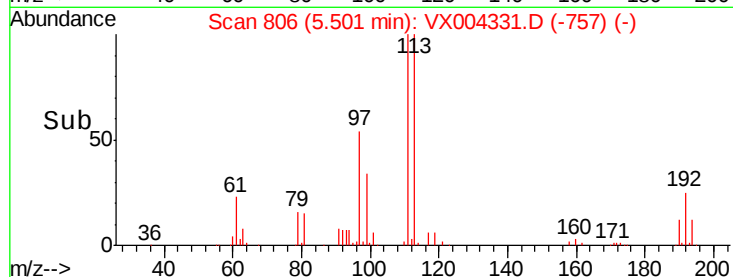
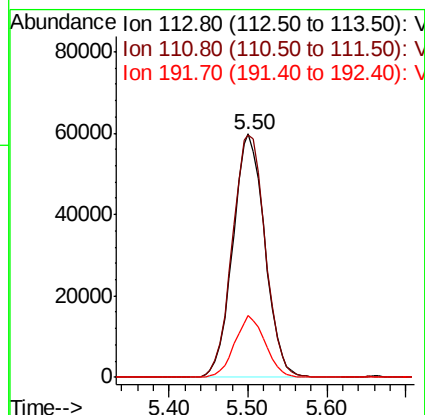
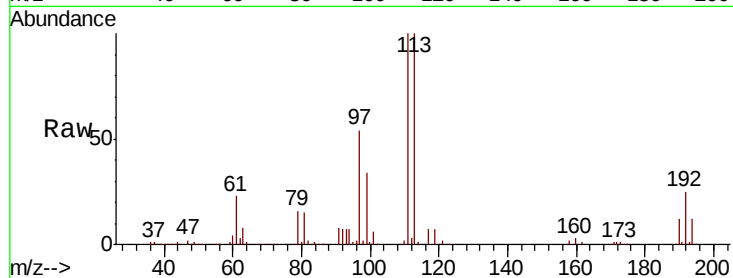
#35
 Dibromofluoromethane
 Concen: 51.84 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	168556		
111	102.3	82.4	123.6	
192	24.3	19.4	29.2	

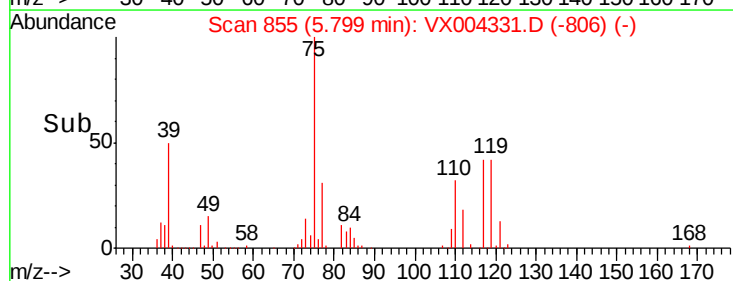
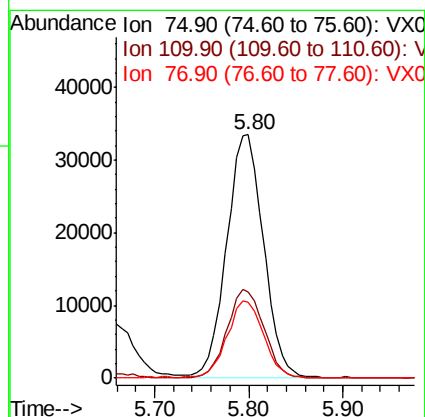
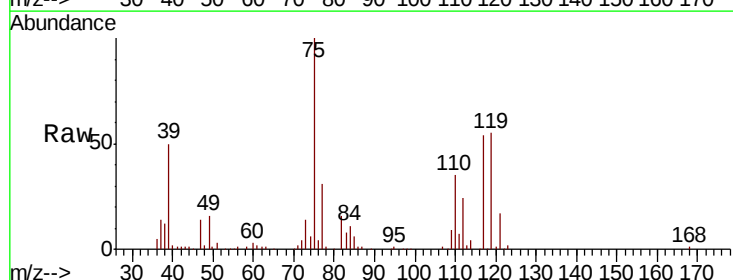
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#36
 1,1-Dichloropropene
 Concen: 18.52 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	90992		
110	36.4	18.0	54.0	
77	31.8	24.6	36.8	





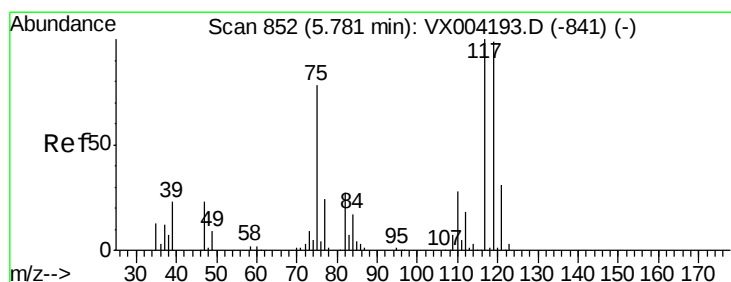
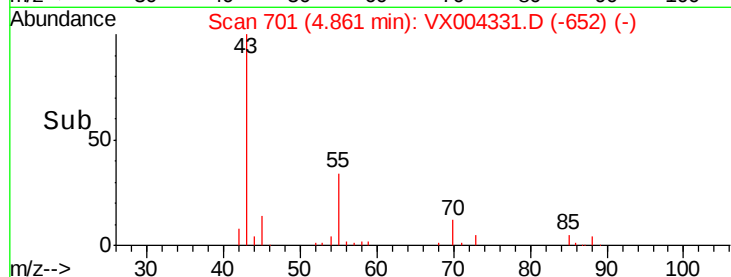
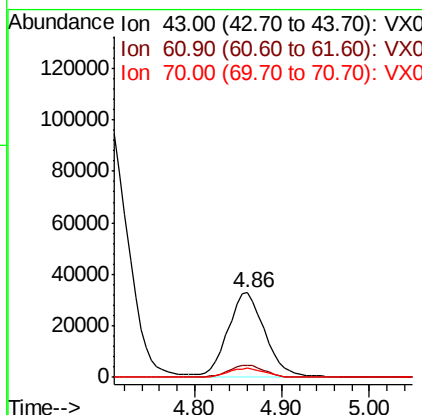
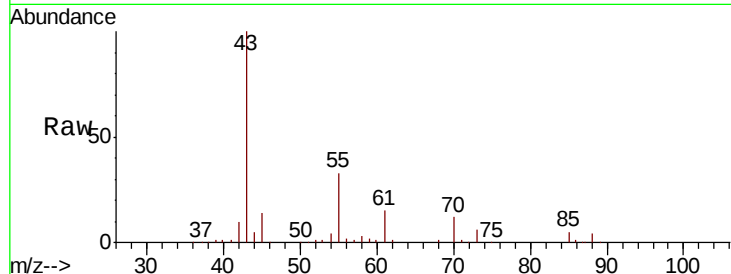
#37
Ethyl Acetate
Concen: 19.88 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

Tot Ion:	43	Resp:	96039
Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.5	17.3
70	11.4	9.0	13.6

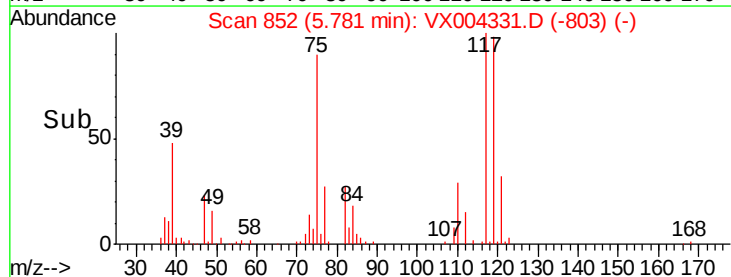
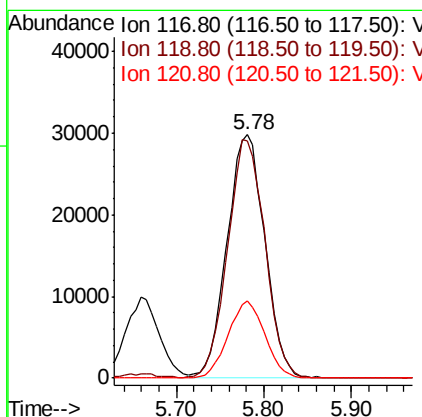
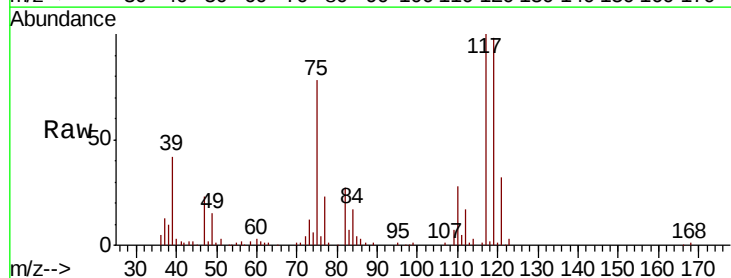
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#38
Carbon Tetrachloride
Concen: 19.42 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion:	117	Resp:	89751
Ion	Ratio	Lower	Upper
117	100		
119	97.6	78.8	118.2
121	31.9	24.9	37.3





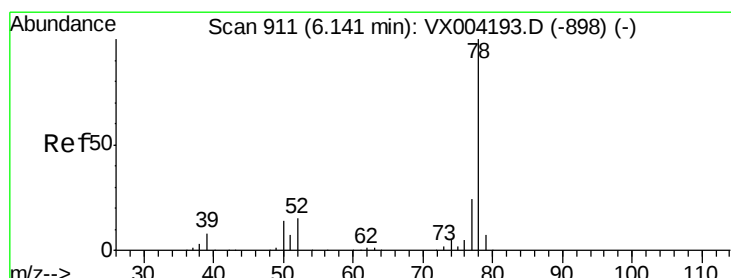
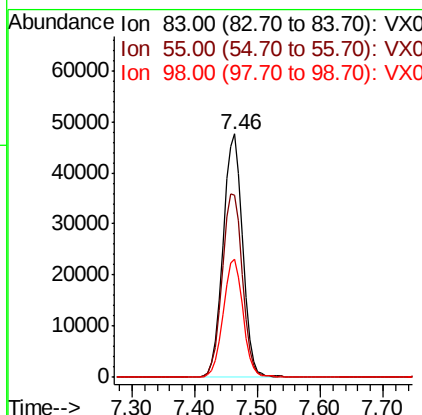
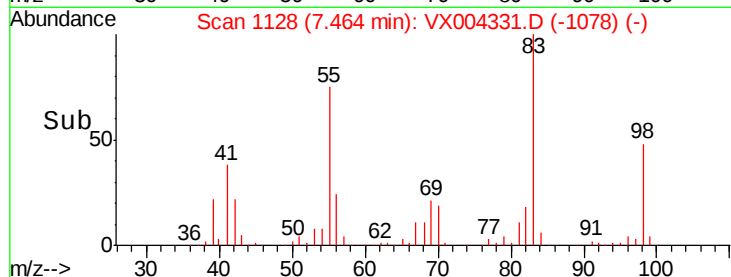
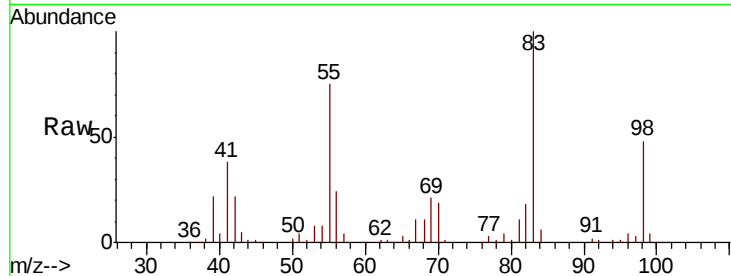
#39
Methvlcvclohexane
Concen: 18.45 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	61.0	91.4
98	48.5	39.6	59.4

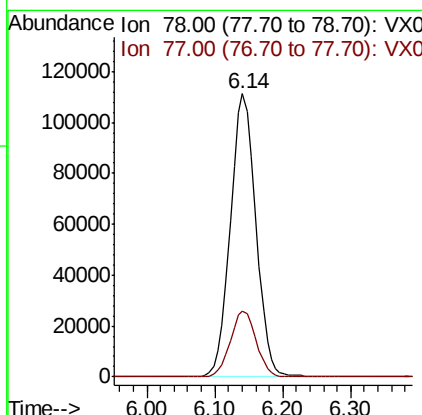
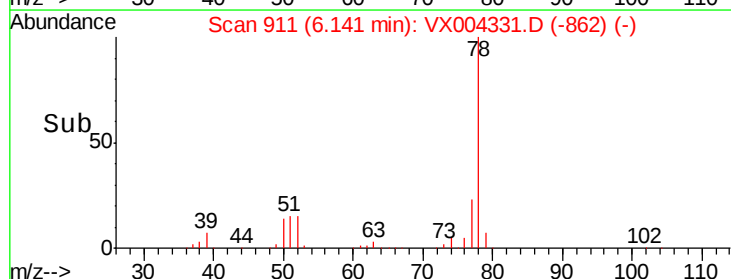
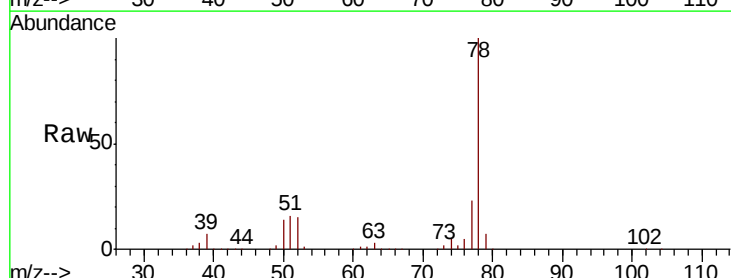
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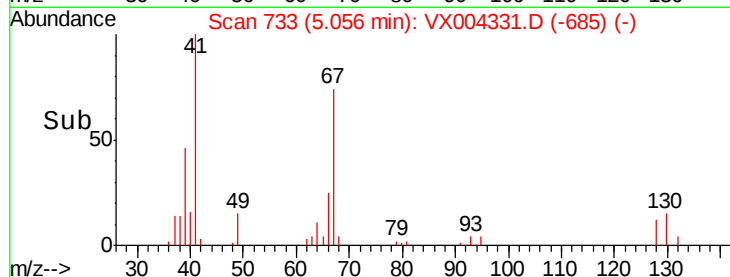
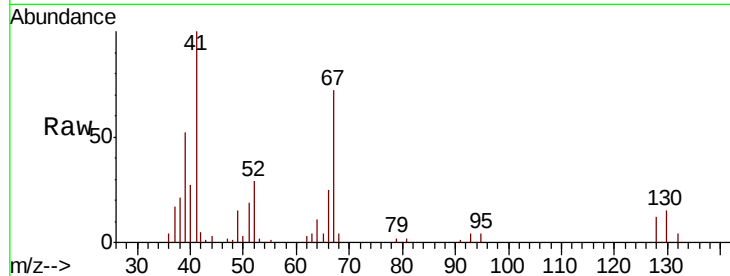
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#40
Benzene
Concen: 19.71 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4





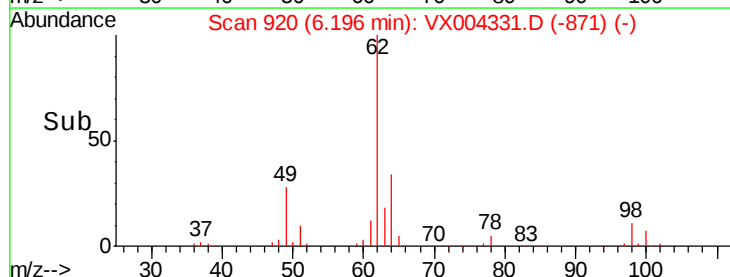
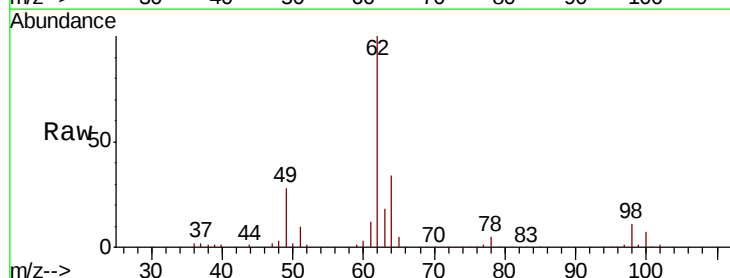
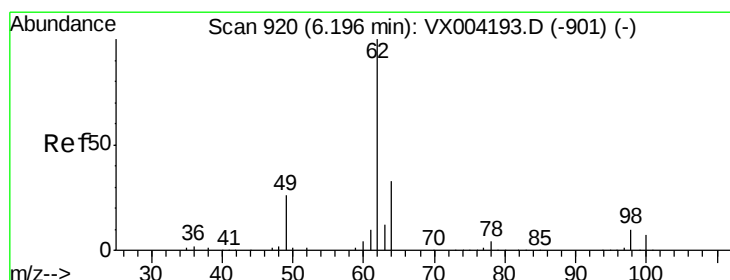
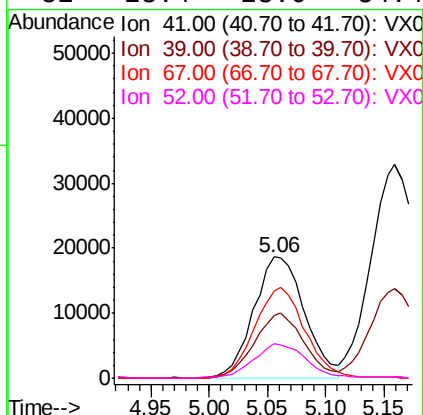
#41
Methacrylonitrile
Concen: 20.29 ug/l
RT: 5.06 min Scan# 733
Delta R.T. -0.01 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.1	42.4	63.6	
67	74.1	59.2	88.8	
52	28.4	23.0	34.4	

Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

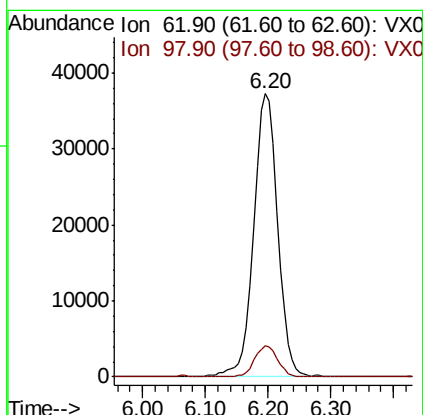
Manual Integrations
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9/4/2018 12:10:41 PM



#42
1,2-Dichloroethane
Concen: 19.74 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.6	0.0	20.6	





#43

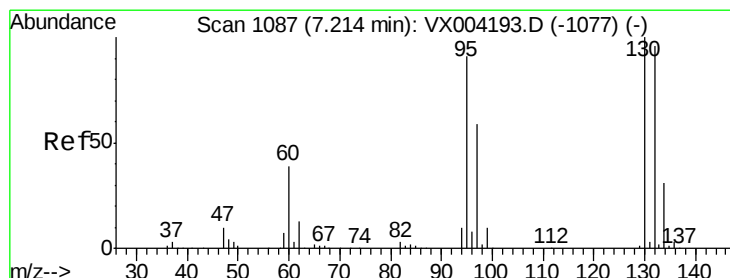
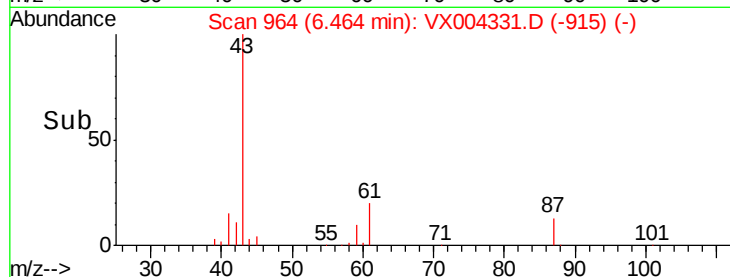
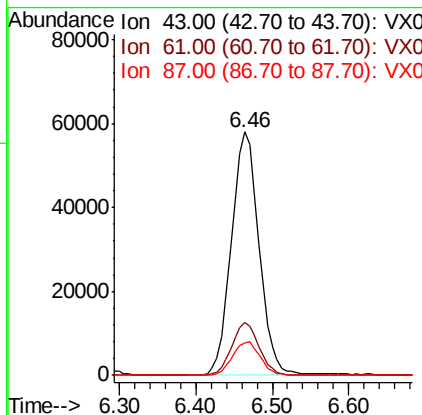
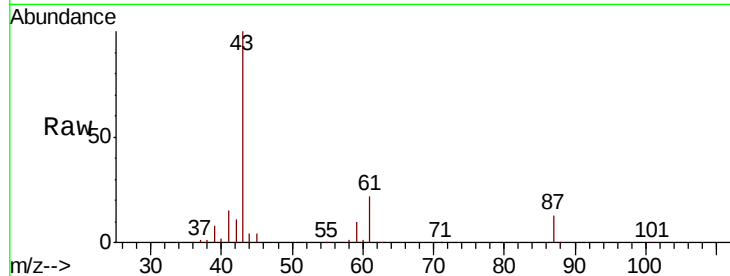
Isopropyl Acetate
 Concen: 19.66 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.0	25.4
87	13.8	11.4	17.2

Manual Integrations
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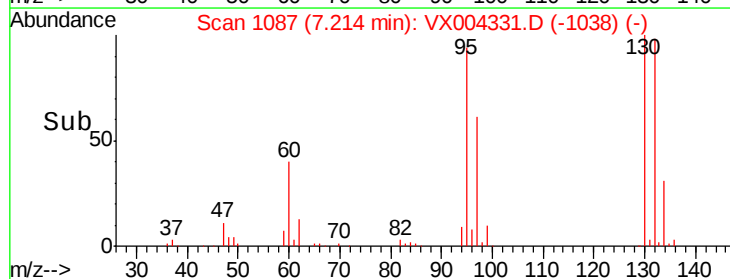
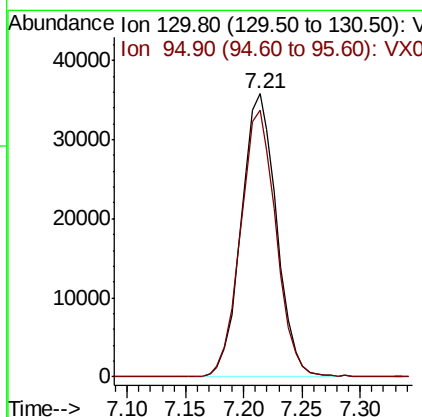
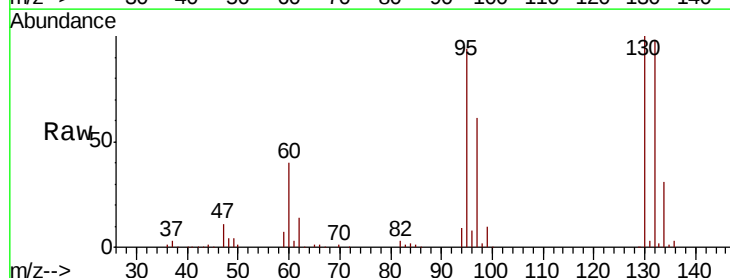
MMDadoda
 9/4/2018 12:10:41 PM

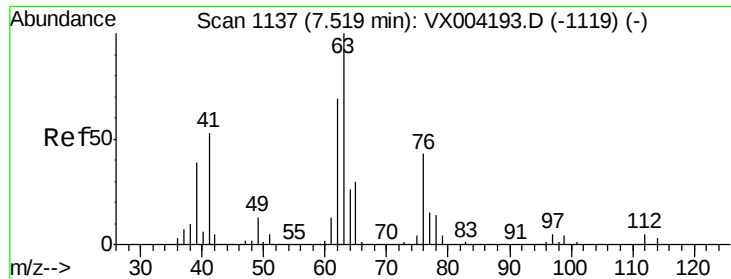


#44

Trichloroethene
 Concen: 18.58 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	181.6





#45

1,2-Dichloropropane

Concen: 20.20 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampled :

VX0831MBS01

Tot Ion: 63 Resp: 74239

Ion Ratio Lower Upper

63 100

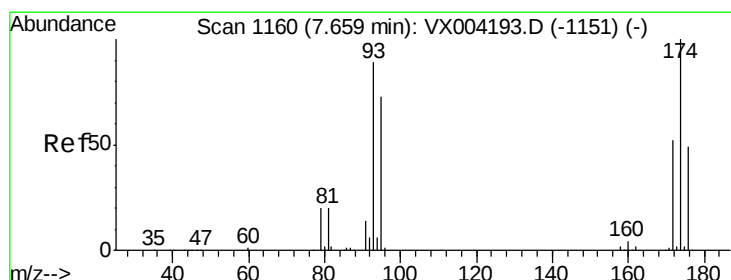
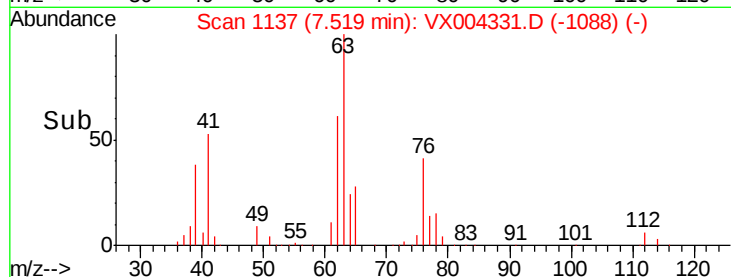
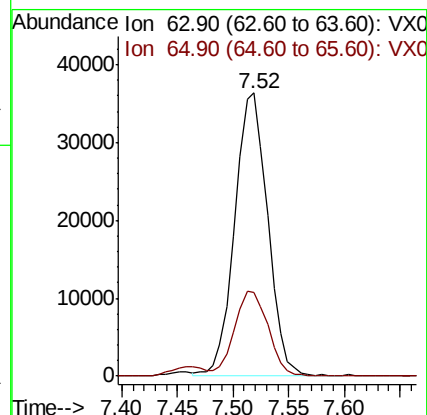
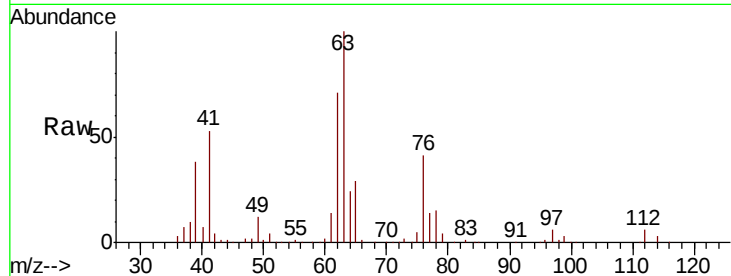
65 29.5 24.3 36.5

Manual Integrations

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MMDadoda

9/4/2018 12:10:41 PM



#46

Dibromomethane

Concen: 19.82 ug/l

RT: 7.66 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

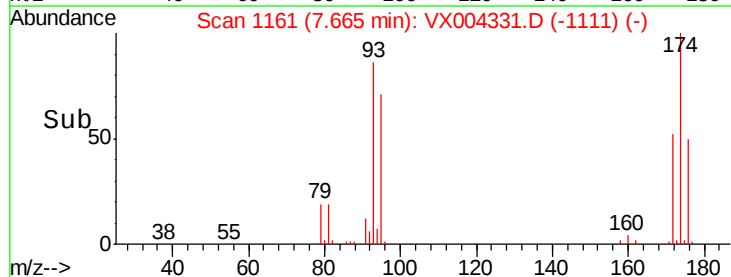
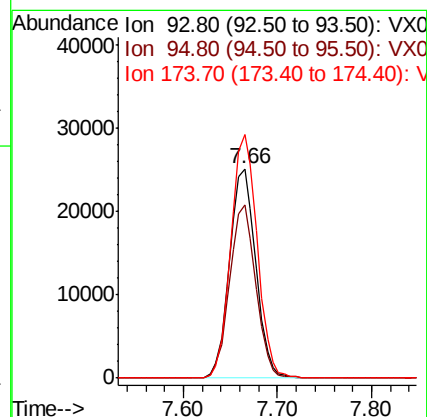
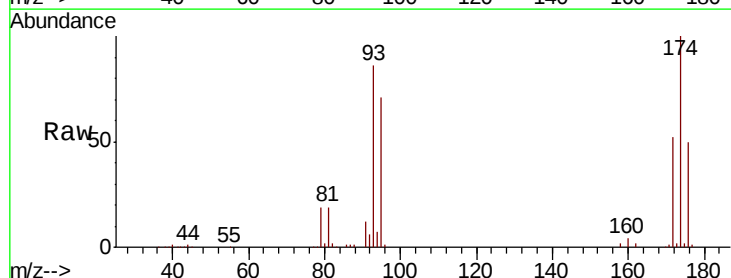
Tgt Ion: 93 Resp: 48493

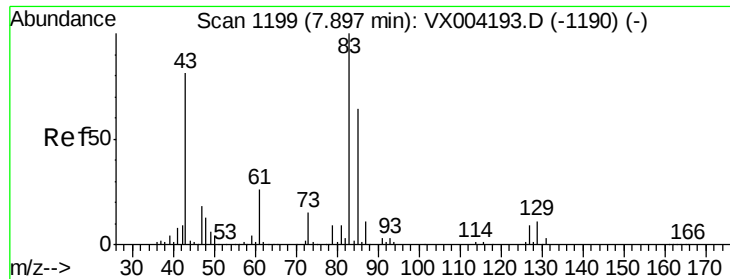
Ion Ratio Lower Upper

93 100

95 83.0 65.5 98.3

174 116.9 94.2 141.4





#47

Bromodichloromethane

Concen: 20.16 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

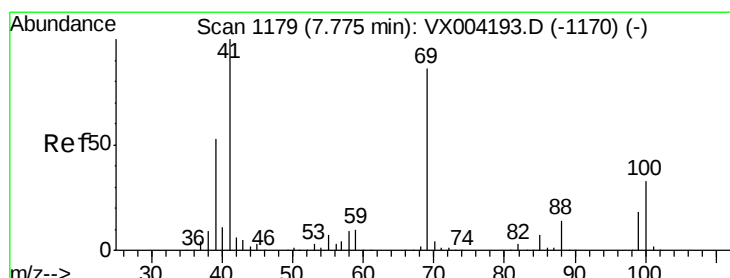
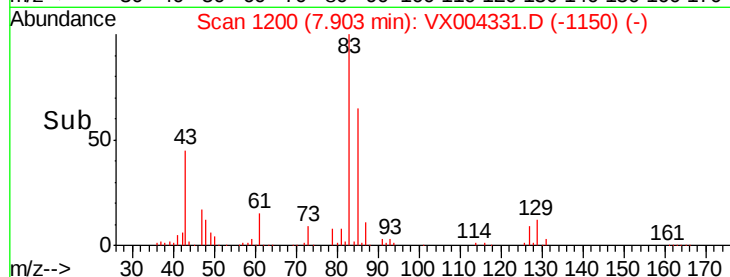
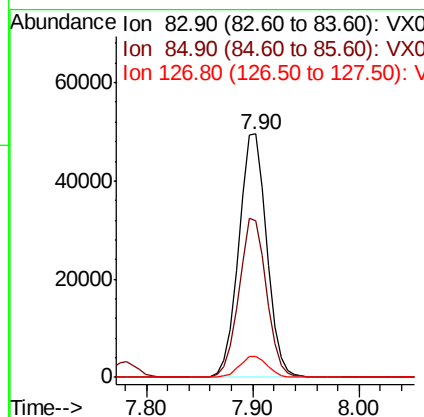
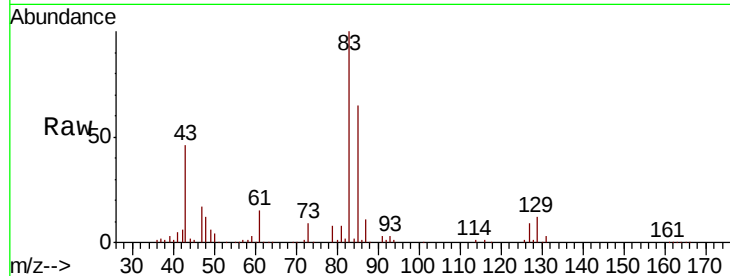
ClientSampleId :

VX0831MBS01

Tot Ion:	83	Resp:	91789
Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.9	76.3
127	8.7	7.3	10.9

Manual Integrations
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9/4/2018 12:10:41 PM



#48

Methyl methacrylate

Concen: 20.04 ug/l

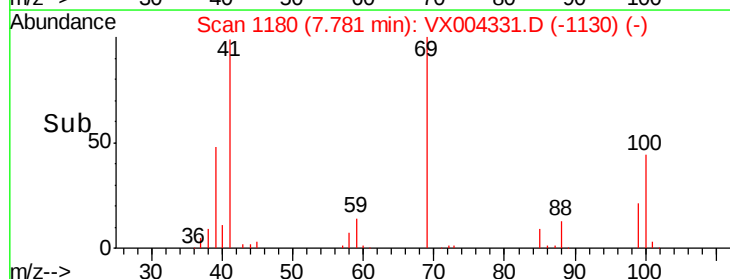
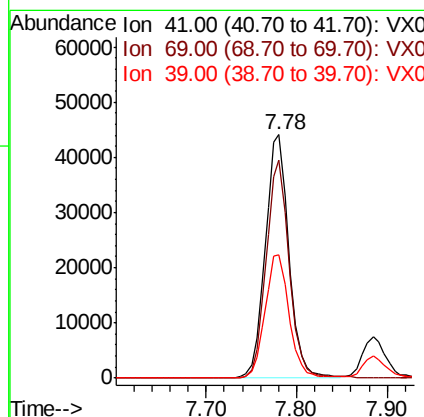
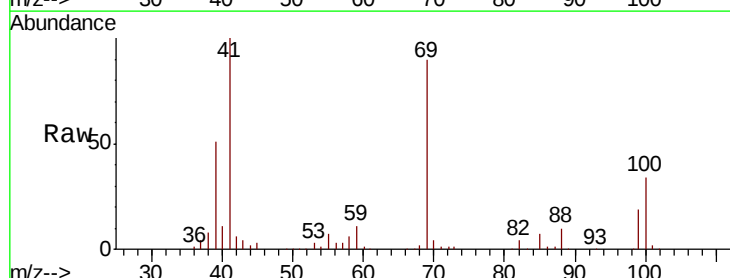
RT: 7.78 min Scan# 1180

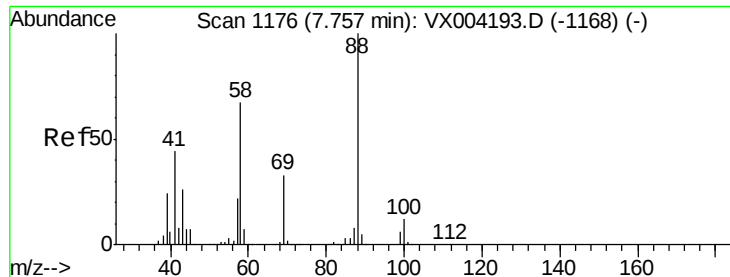
Delta R.T. 0.01 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Tgt Ion:	41	Resp:	79627
Ion	Ratio	Lower	Upper
41	100		
69	87.3	70.2	105.4
39	51.4	42.7	64.1





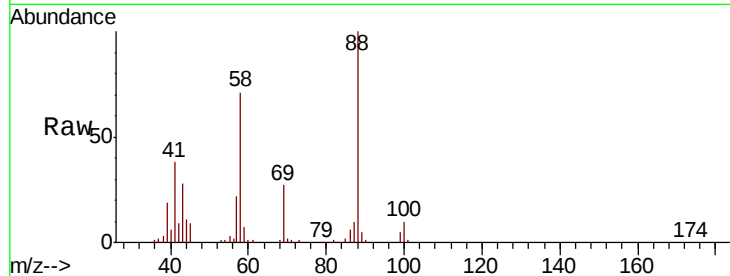
#49
 1,4-Dioxane
 Concen: 429.10 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	24.7	37.1
58	70.3	55.3	82.9

Manual Integrations
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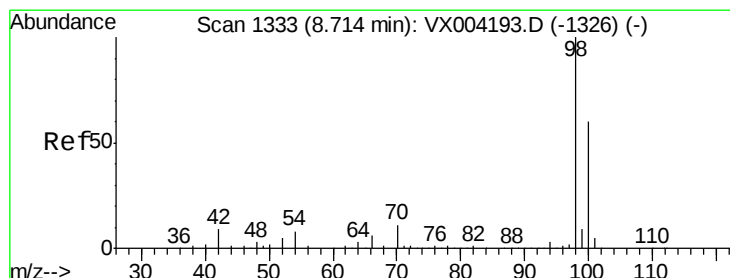
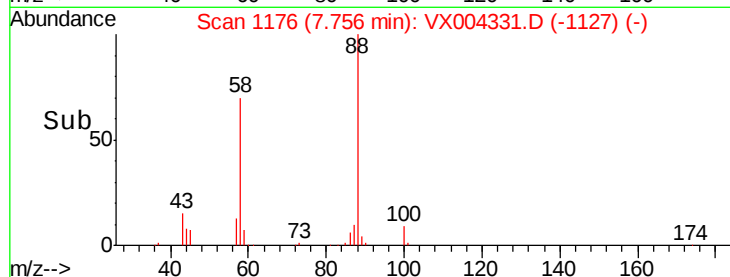
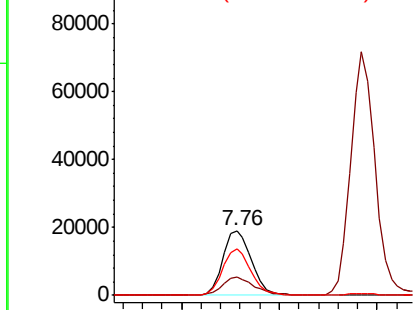


Abundance

Ion 88.00 (87.70 to 88.70): VX0

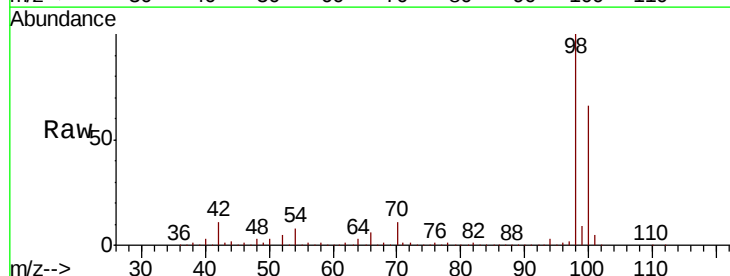
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
 Toluene-d8
 Concen: 50.96 ug/l
 RT: 8.71 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

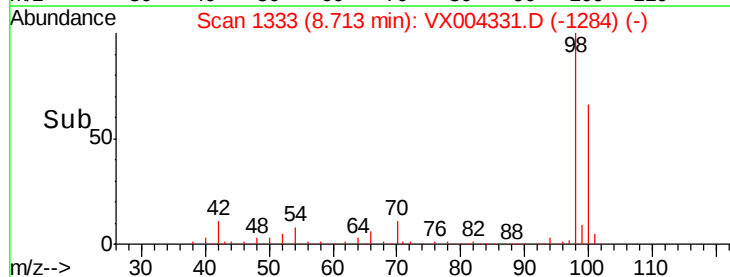
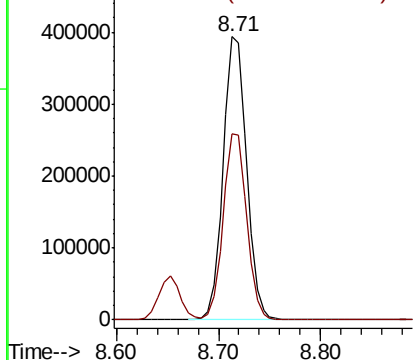
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.9	79.3

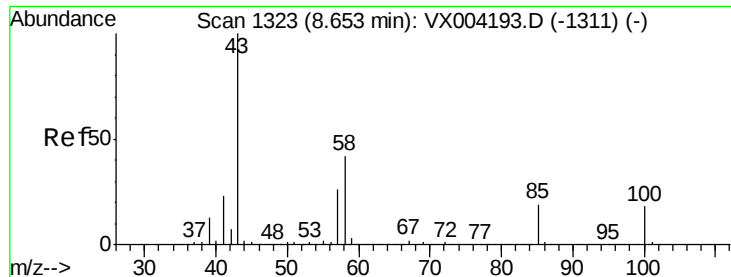


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 98.38 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

Tot Ion: 43 Resp: 530738

Ion Ratio Lower Upper

43 100

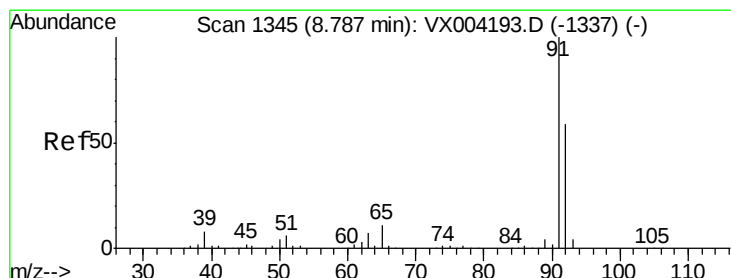
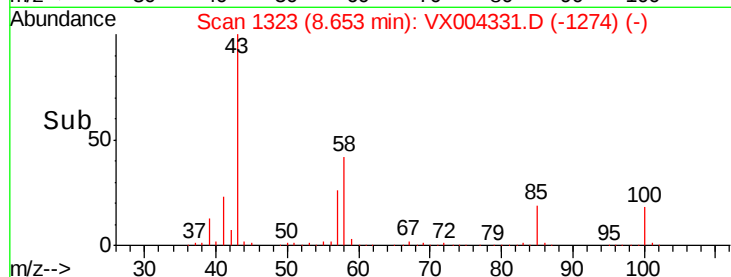
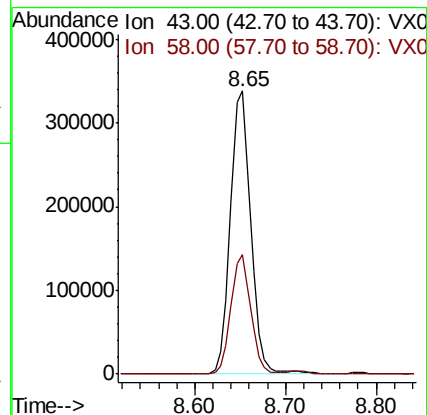
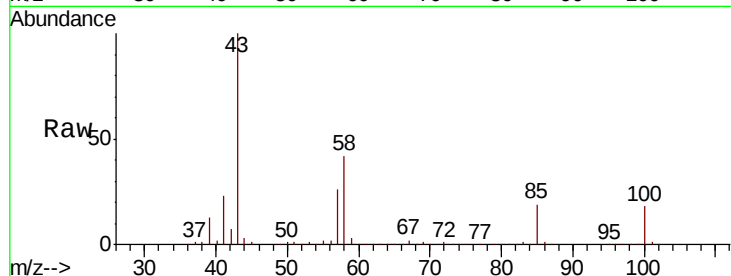
58 41.0 33.1 49.7

Manual Integrations

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#52

Toluene

Concen: 19.75 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004331.D

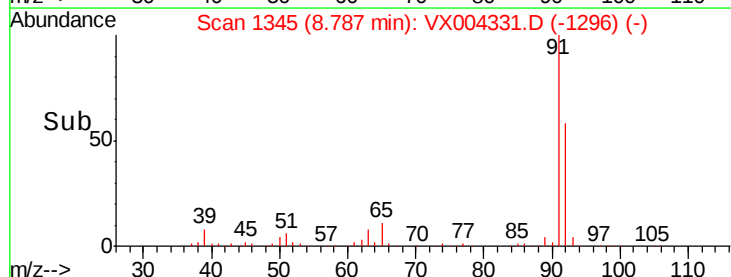
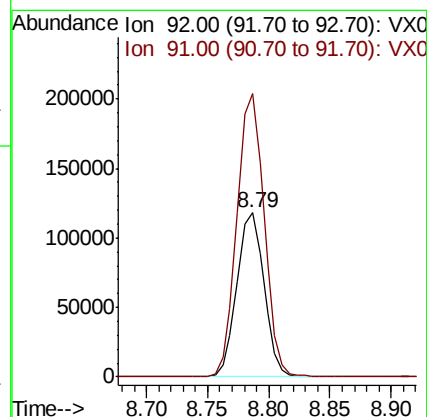
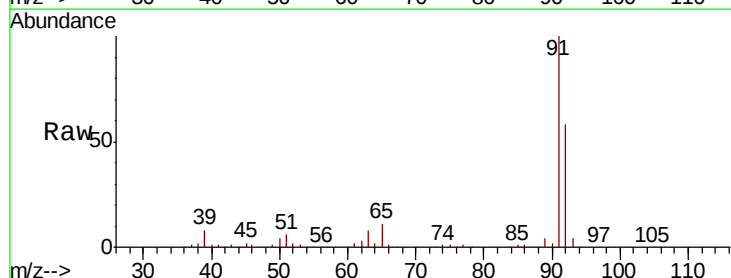
Acq: 31 Aug 2018 17:27

Tgt Ion: 92 Resp: 181533

Ion Ratio Lower Upper

92 100

91 173.1 136.4 204.6





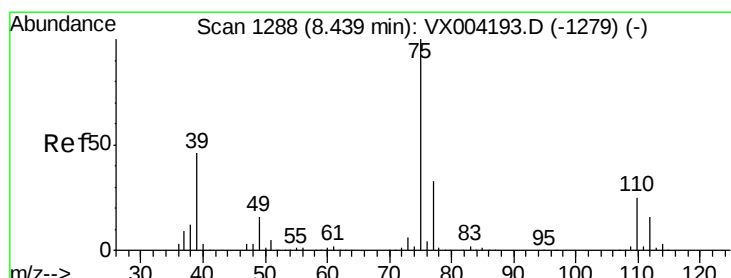
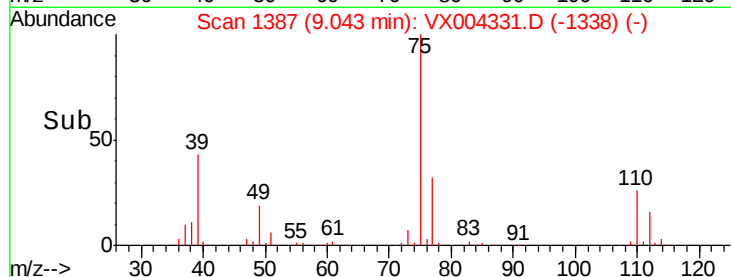
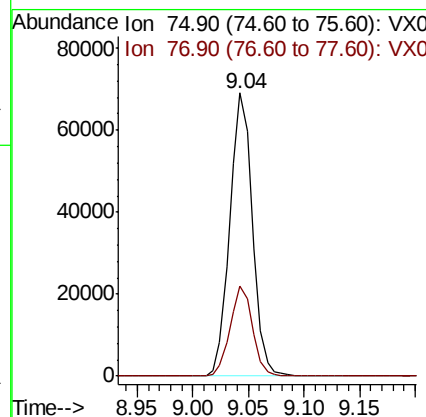
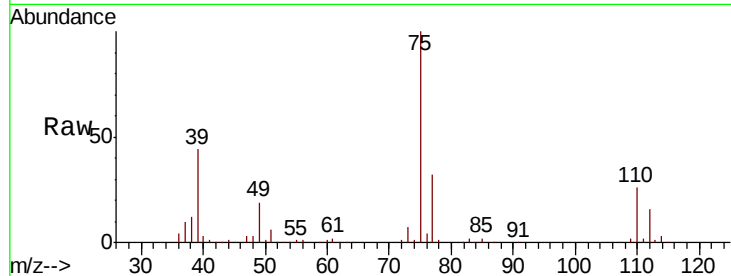
#53
t-1,3-Dichloropropene
Concen: 19.32 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

Tot Ion: 75 Resp: 97154
Ion Ratio Lower Upper
75 100
77 31.7 24.6 37.0

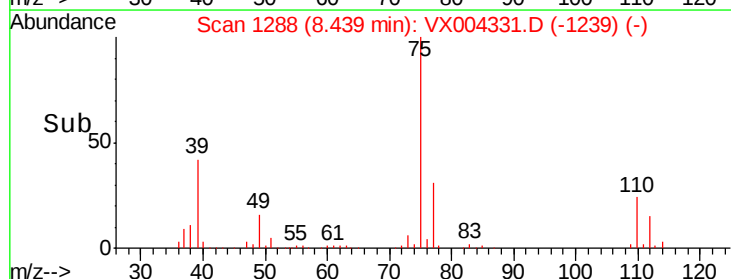
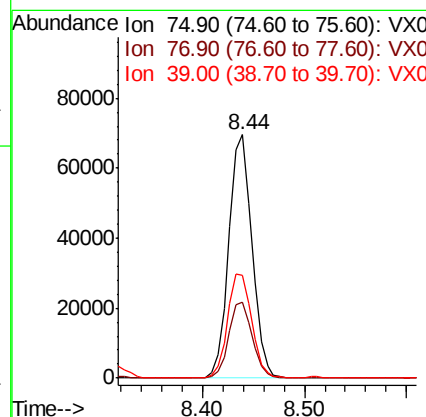
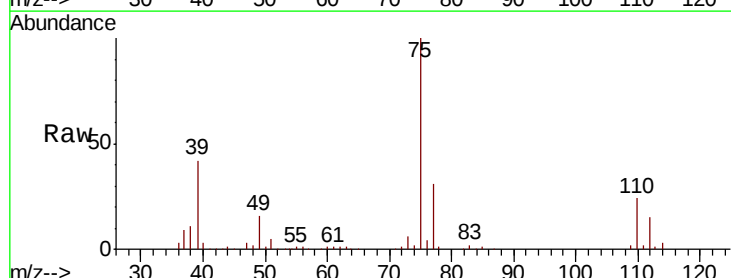
Manual Integrations
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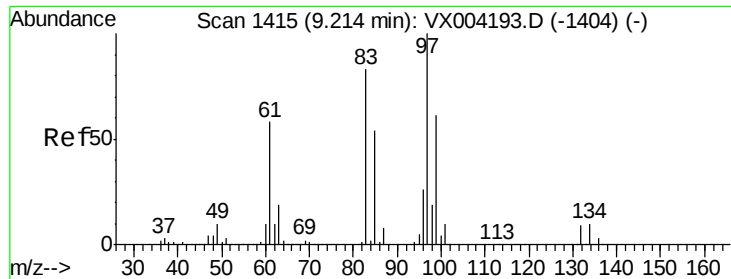
MMDadoda
9/4/2018 12:10:41 PM



#54
cis-1,3-Dichloropropene
Concen: 20.04 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion: 75 Resp: 109753
Ion Ratio Lower Upper
75 100
77 31.4 26.2 39.2
39 42.2 36.4 54.6





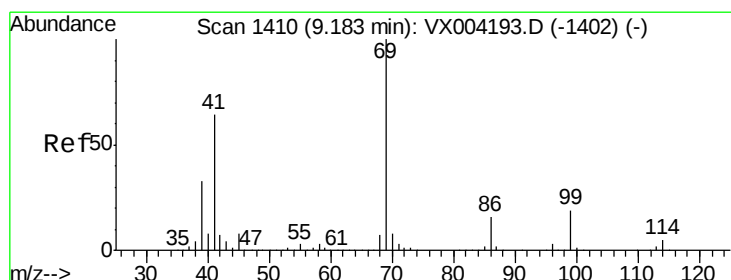
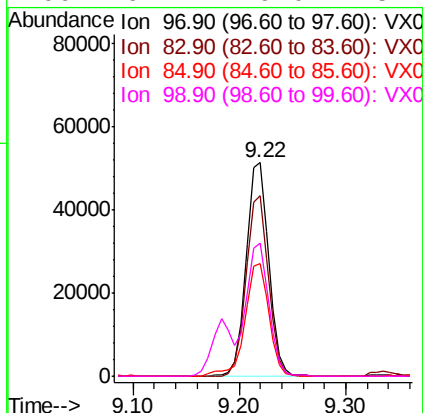
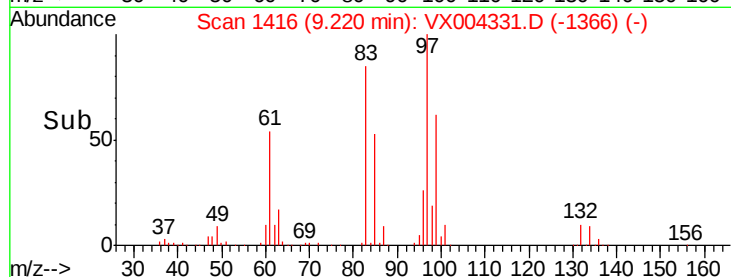
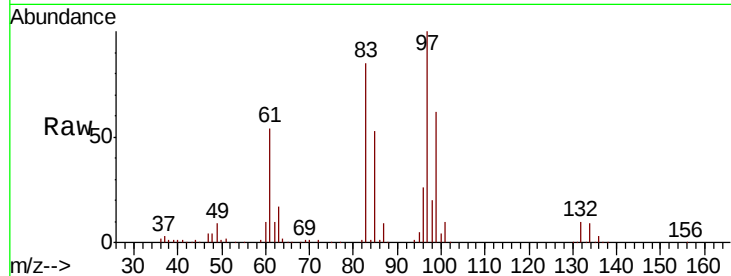
#55
1,1,2-Trichloroethane
Concen: 20.63 ug/l
RT: 9.22 min Scan# 1416
Delta R.T. 0.01 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		76537		
83	84.8	66.4	99.6		
85	53.0	43.3	64.9		
99	62.2	49.0	73.4		

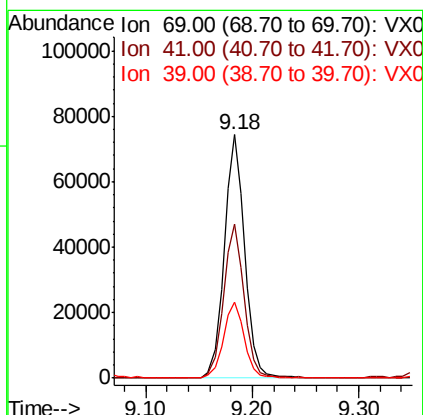
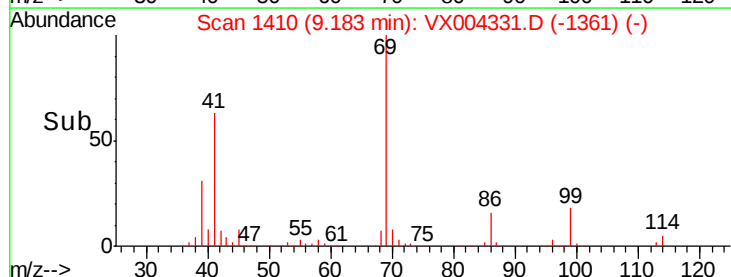
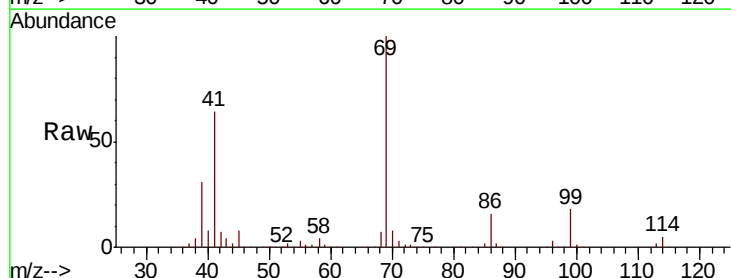
Manual Integrations
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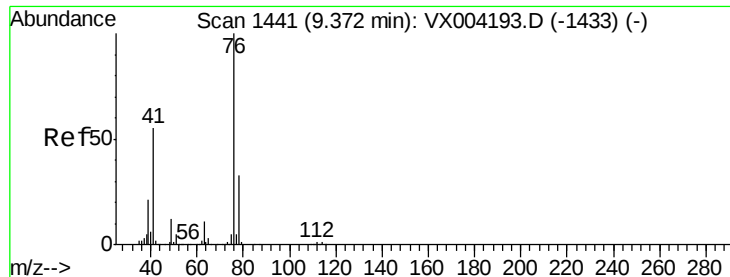
MMDadoda
9/4/2018 12:10:41 PM



#56
Ethyl methacrylate
Concen: 19.67 ug/l
RT: 9.18 min Scan# 1410
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		99337		
41	63.5	51.0	76.4		
39	32.0	26.1	39.1		





#57

1,3-Dichloropropane

Concen: 20.36 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampled :

VX0831MBS01

Tot Ion: 76 Resp: 127318

Ion Ratio Lower Upper

76 100

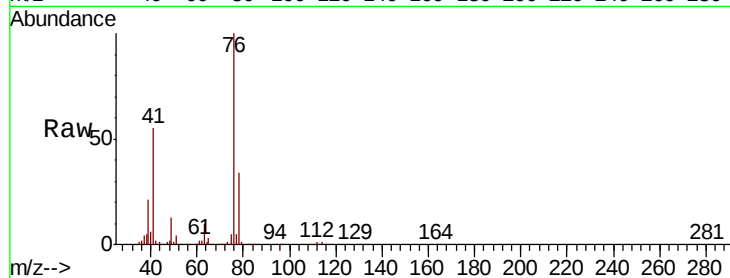
78 32.3 25.5 38.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

100000

80000

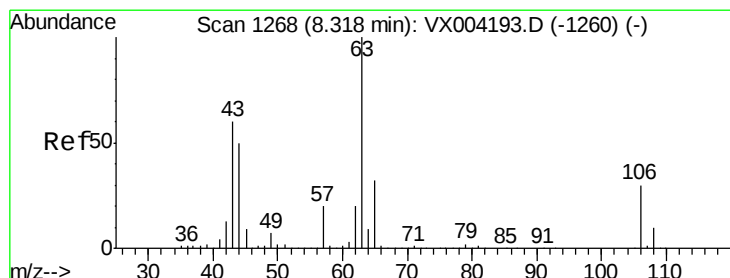
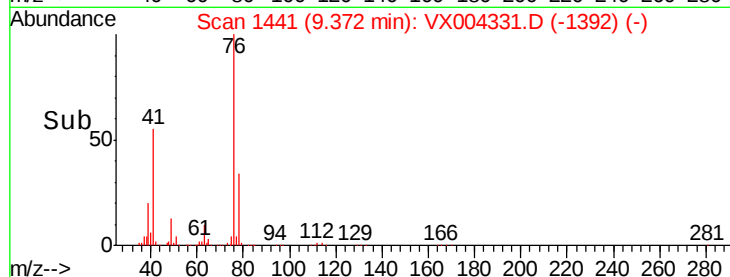
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 114.05 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VX004331.D

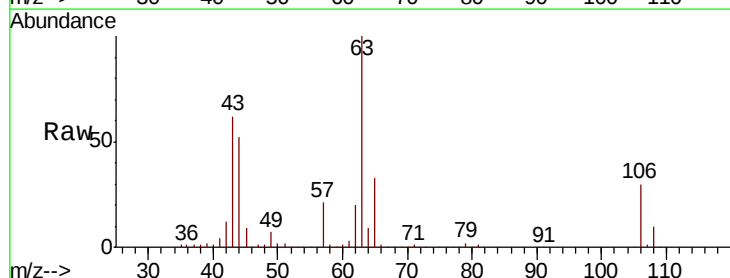
Acq: 31 Aug 2018 17:27

Tgt Ion: 63 Resp: 295122

Ion Ratio Lower Upper

63 100

106 29.6 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

200000

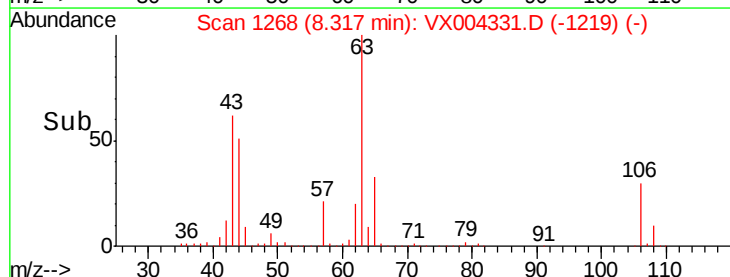
150000

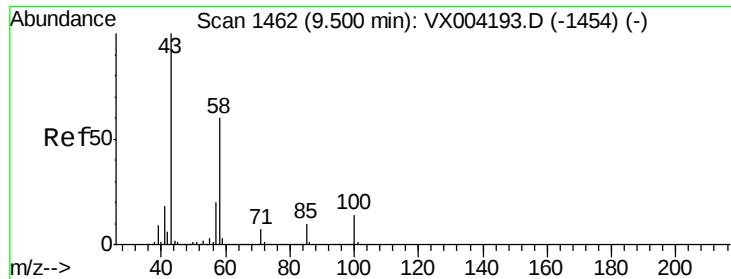
100000

50000

0

Time-->





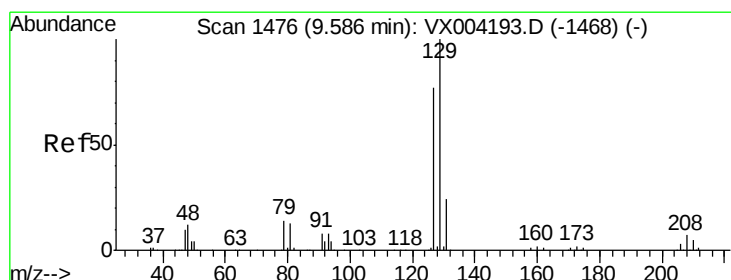
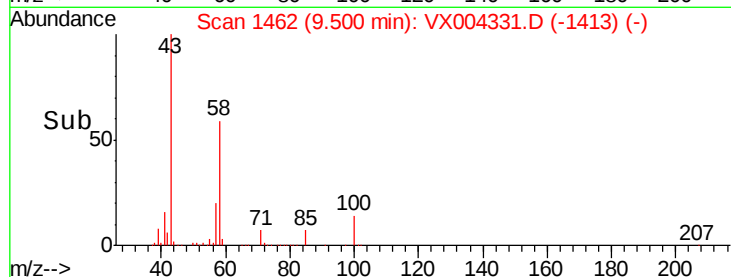
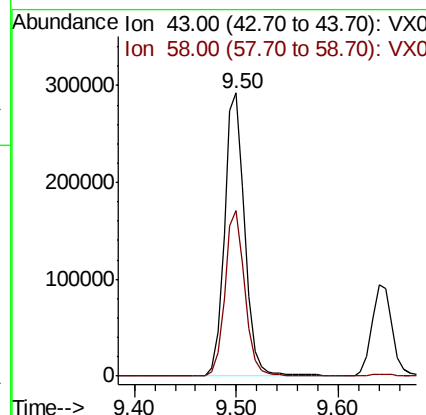
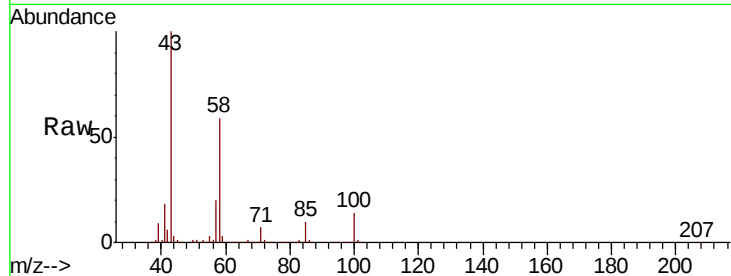
#59
2-Hexanone
Concen: 98.05 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.5	29.0	87.0

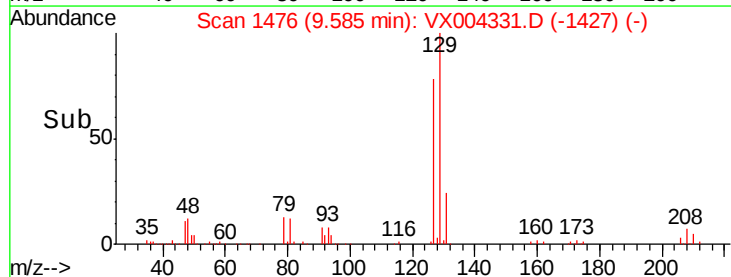
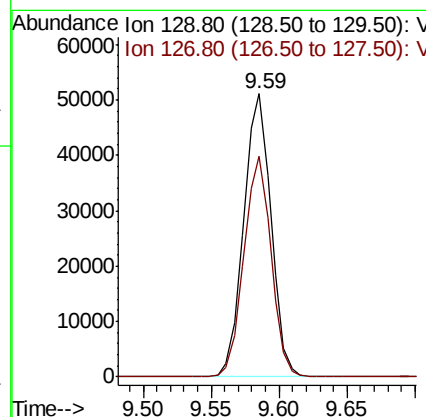
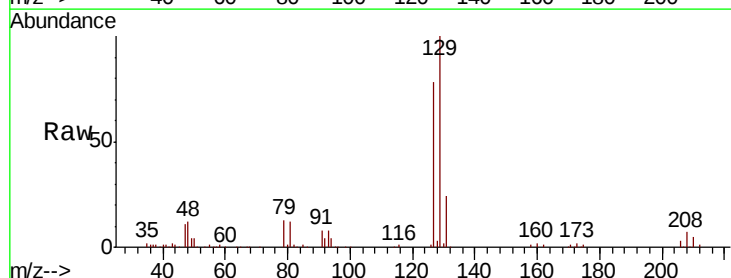
Manual Integrations
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9/4/2018 12:10:41 PM



#60
Dibromochloromethane
Concen: 19.85 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.5	115.5





#61

1,2-Dibromoethane

Concen: 19.97 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

Tot Ion:107 Resp: 76656

Ion Ratio Lower Upper

107 100

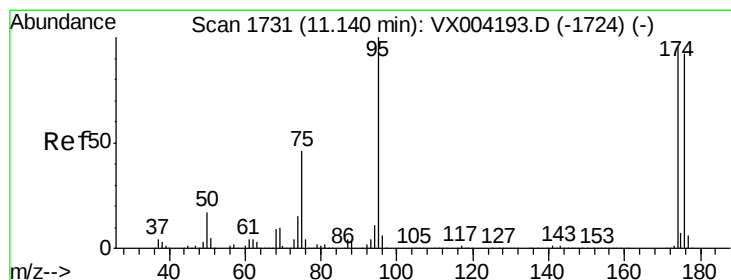
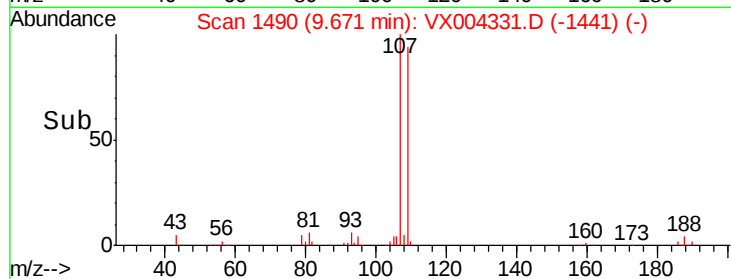
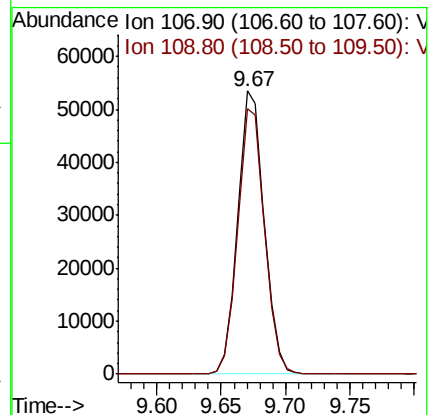
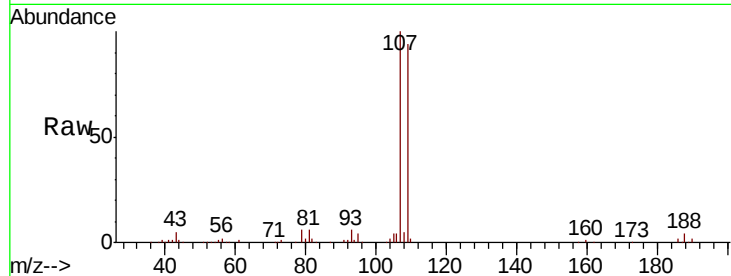
109 95.1 76.0 114.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.74 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

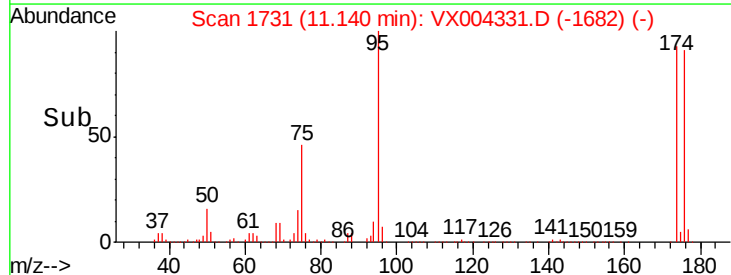
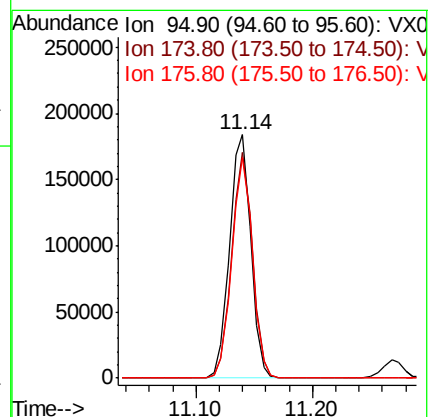
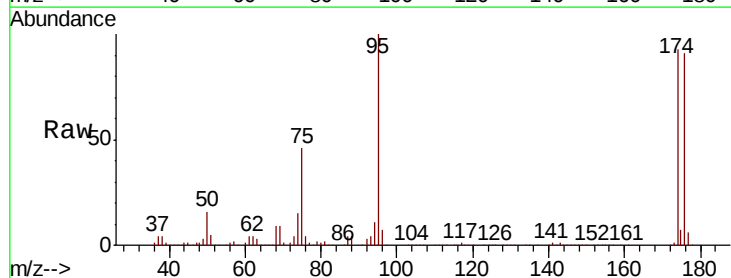
Tgt Ion: 95 Resp: 232363

Ion Ratio Lower Upper

95 100

174 90.9 0.0 185.2

176 88.4 0.0 178.6





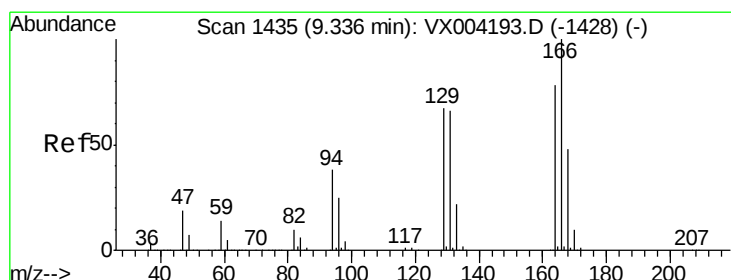
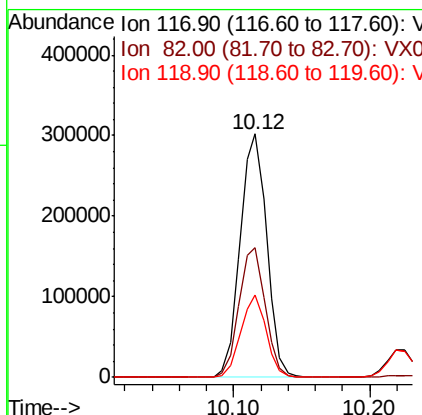
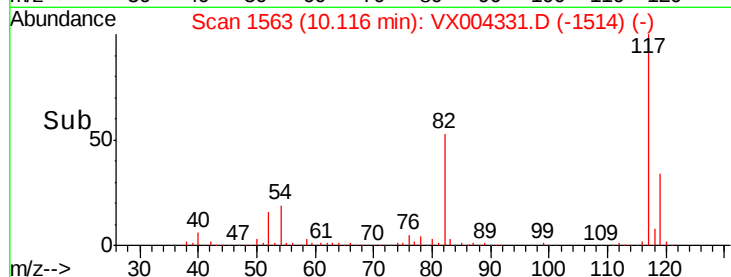
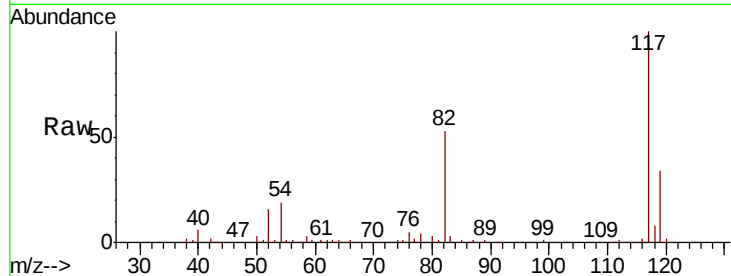
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	47.8	71.6
119	33.9	29.3	43.9

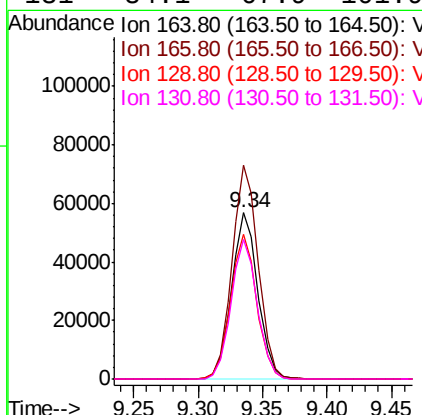
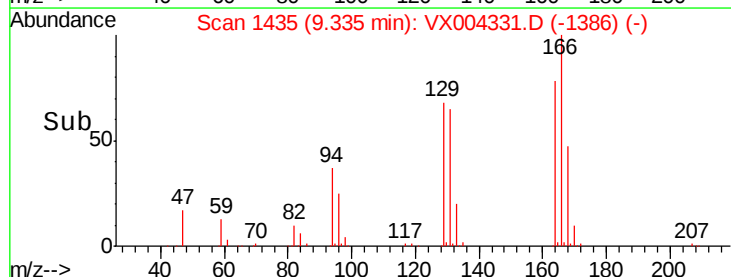
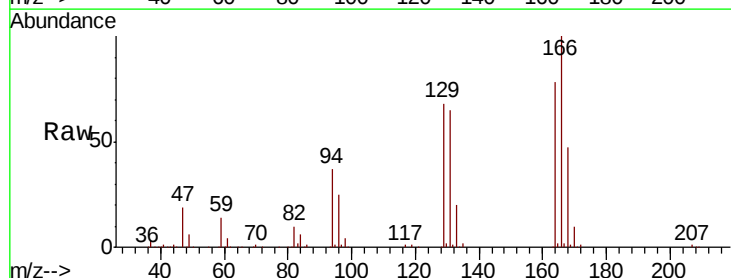
Manual Integrations
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#64
Tetrachloroethene
Concen: 19.92 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	102.8	154.2
129	87.3	69.4	104.0
131	84.1	67.9	101.9





#65

Chlorobenzene

Concen: 18.88 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampled :

VX0831MBS01

Tot Ion:112 Resp: 194903

Ion Ratio Lower Upper

112 100

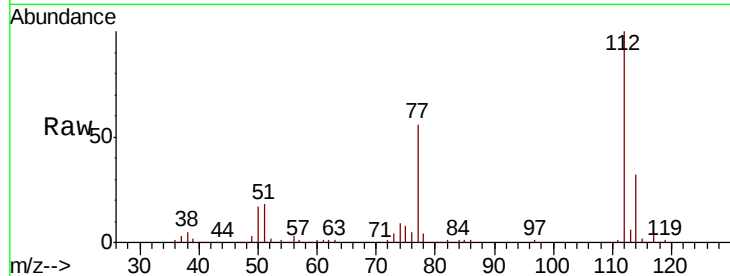
114 32.4 27.8 41.8

Manual Integrations

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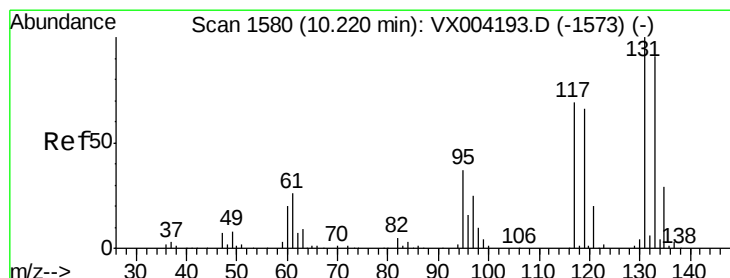
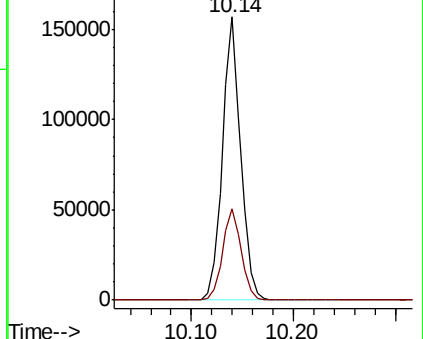
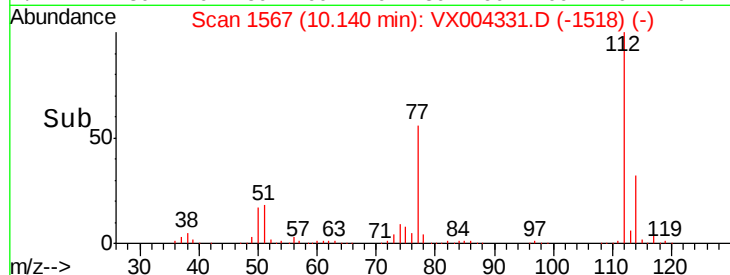
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.79 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.01 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

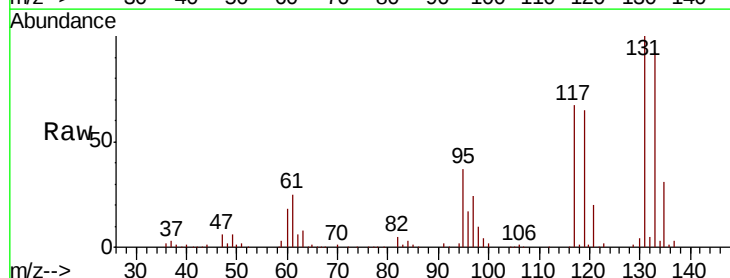
Tgt Ion:131 Resp: 70445

Ion Ratio Lower Upper

131 100

133 92.9 48.1 144.4

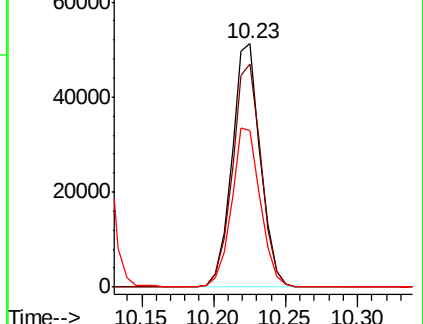
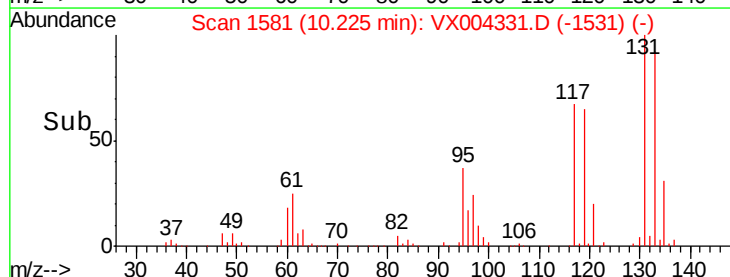
119 66.4 32.9 98.6

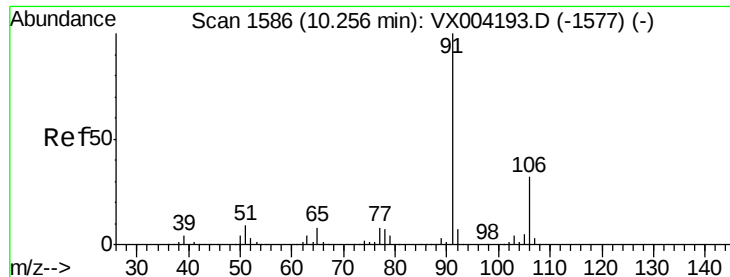


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.22 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampled :

VX0831MBS01

Tot Ion: 91 Resp: 322240

Ion Ratio Lower Upper

91 100

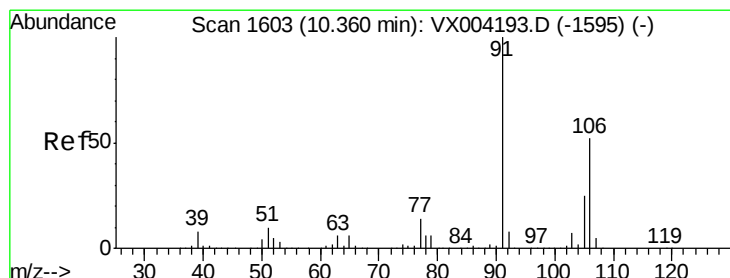
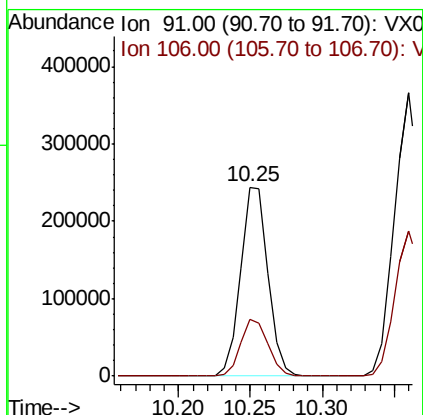
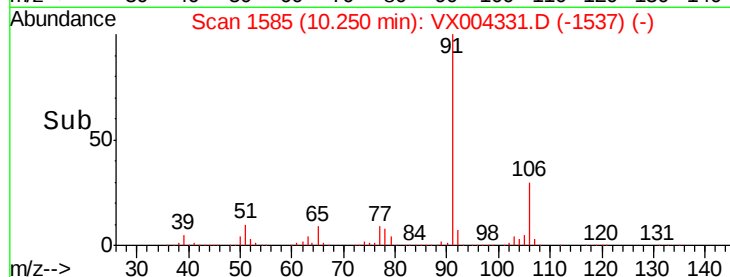
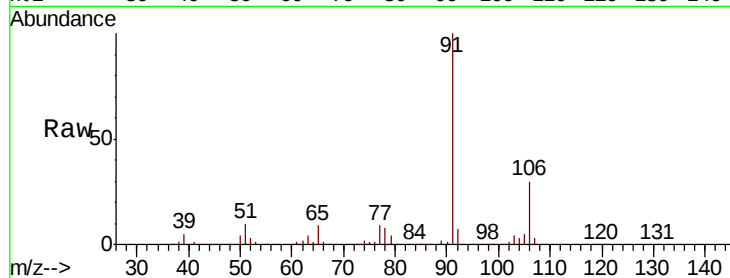
106 29.8 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.15 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004331.D

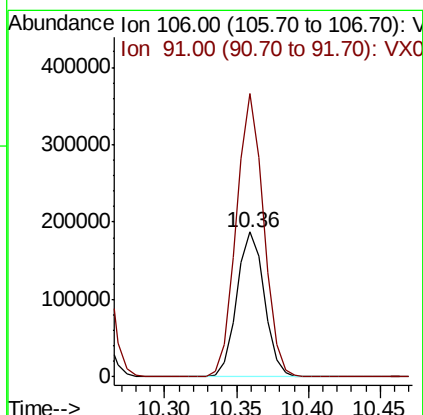
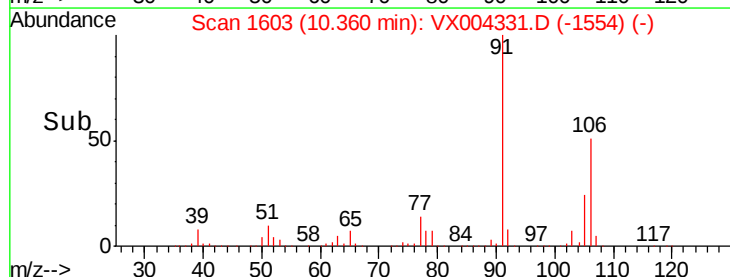
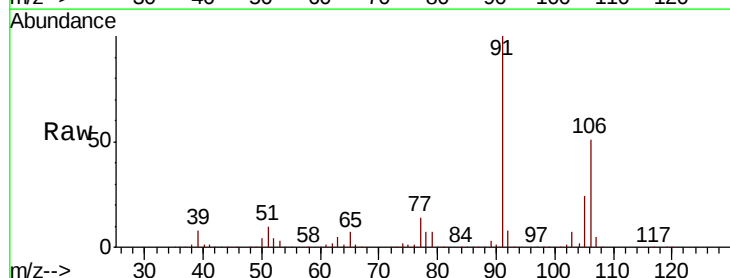
Acq: 31 Aug 2018 17:27

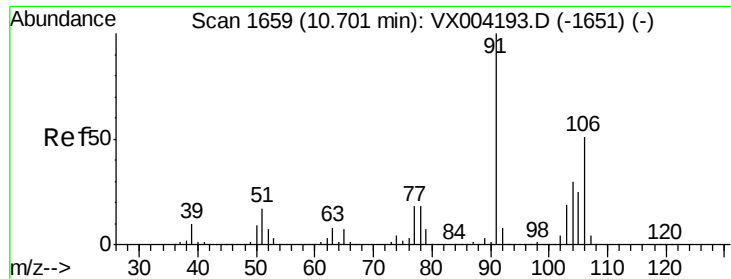
Tgt Ion:106 Resp: 250009

Ion Ratio Lower Upper

106 100

91 194.3 157.1 235.7





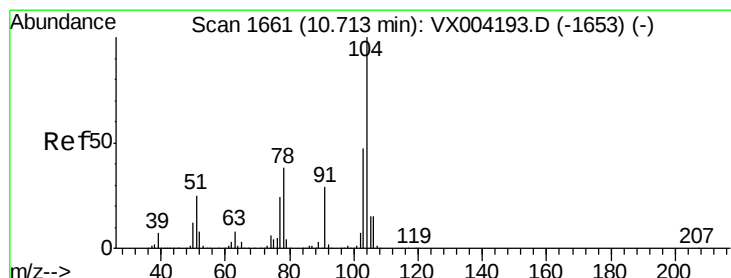
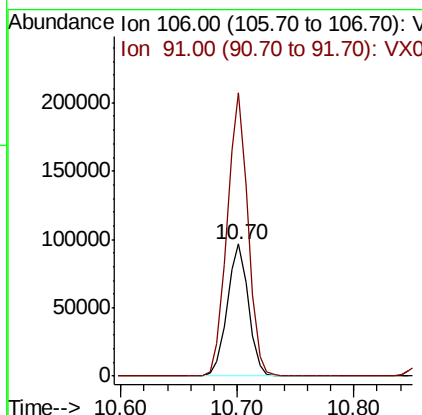
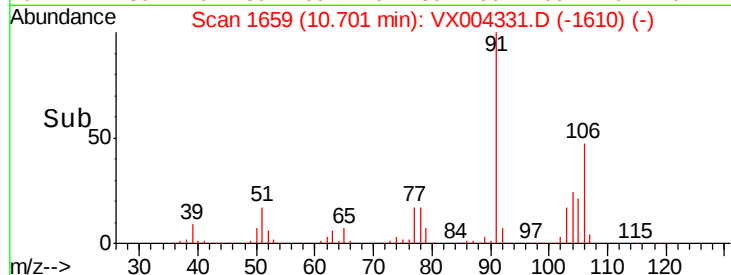
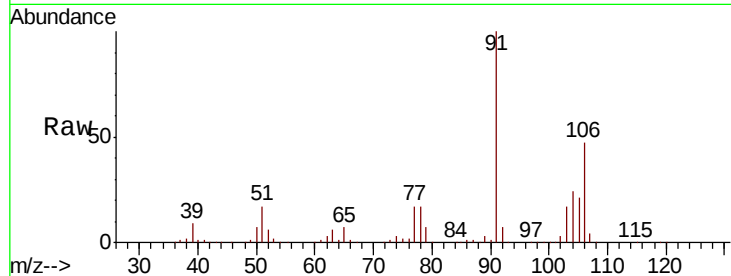
#69
o-Xylene
Concen: 19.61 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

Tot Ion:106 Resp: 121596
Ion Ratio Lower Upper
106 100
91 211.4 105.1 315.1

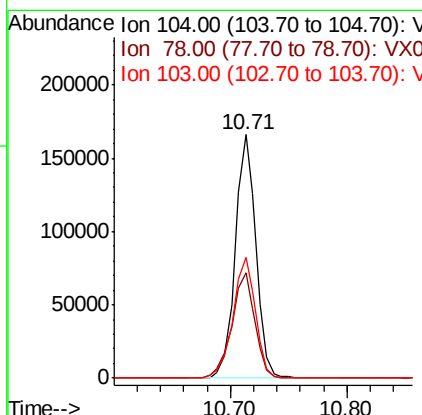
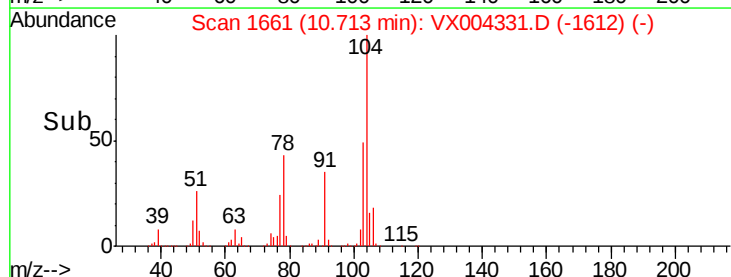
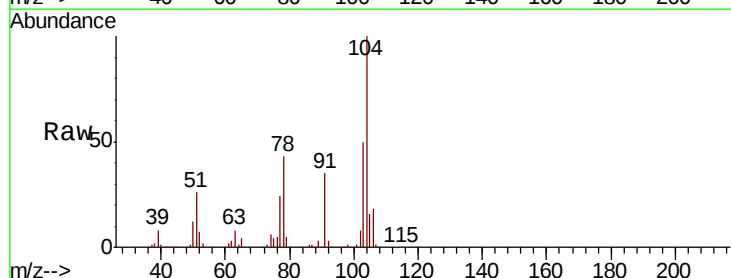
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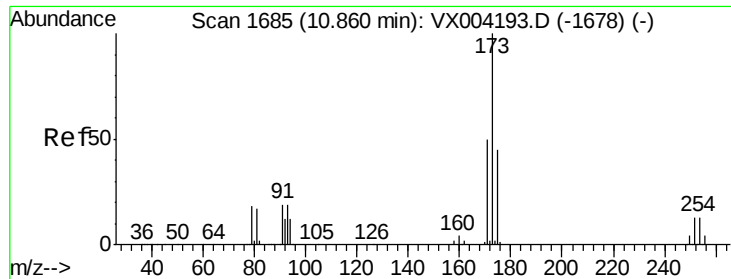
MMDadoda
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#70
Styrene
Concen: 20.43 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion:104 Resp: 205104
Ion Ratio Lower Upper
104 100
78 48.3 37.4 56.0
103 54.0 43.8 65.6





#71

Bromoform

Concen: 18.66 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

Tot Ion:173 Resp: 53544

Ion Ratio Lower Upper

173 100

175 49.1 24.1 72.3

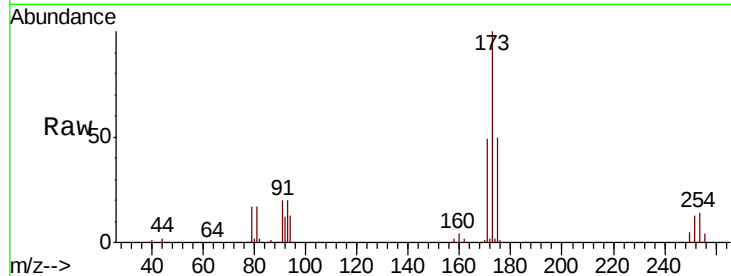
254 0.1 0.2 0.2#

Manual Integrations

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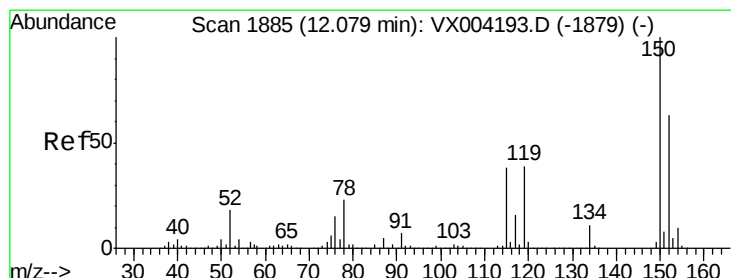
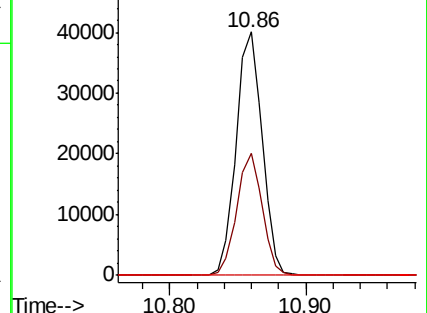
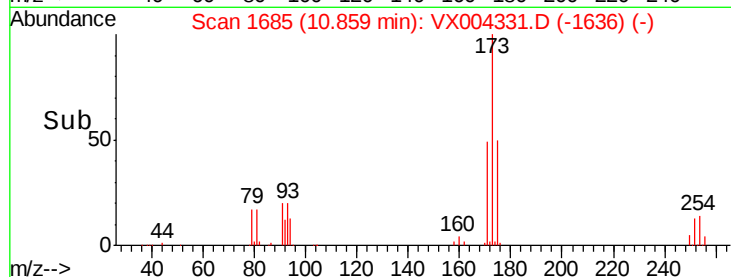
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VX004331.D

Acq: 31 Aug 2018 17:27

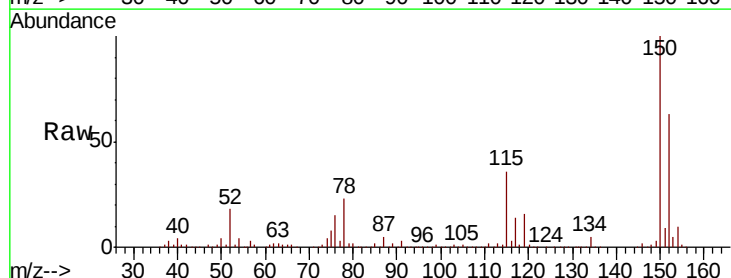
Tgt Ion:152 Resp: 249740

Ion Ratio Lower Upper

152 100

115 64.7 39.0 117.0

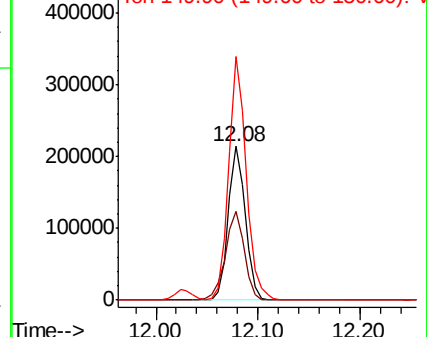
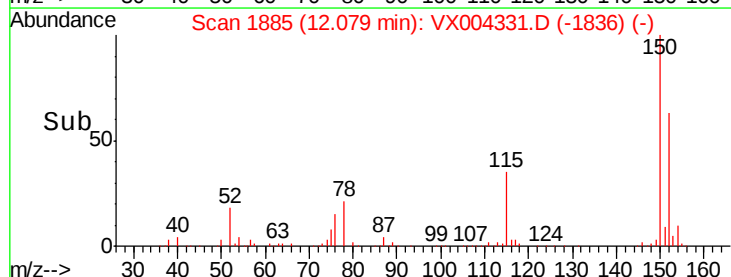
150 161.8 0.0 351.0



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: 20.95 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

Tot Ion: 105 Resp: 343609

Ion Ratio Lower Upper

105 100

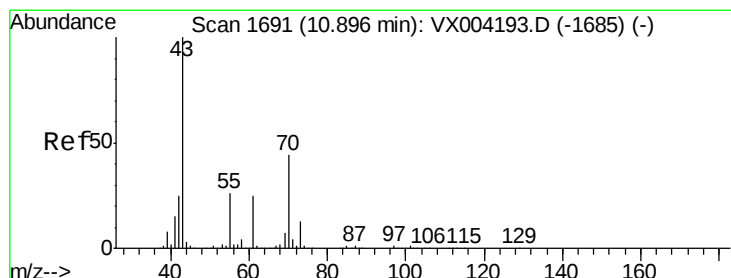
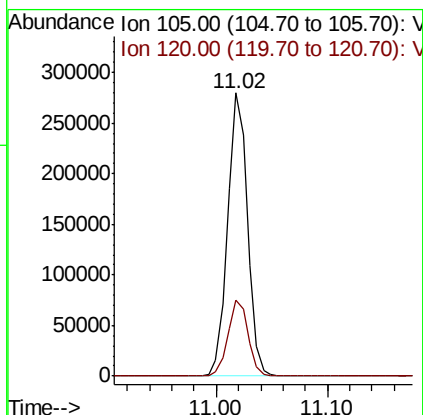
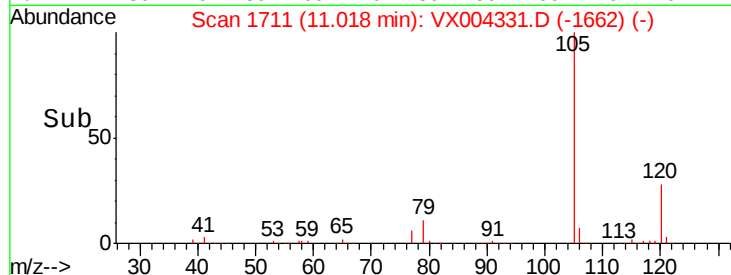
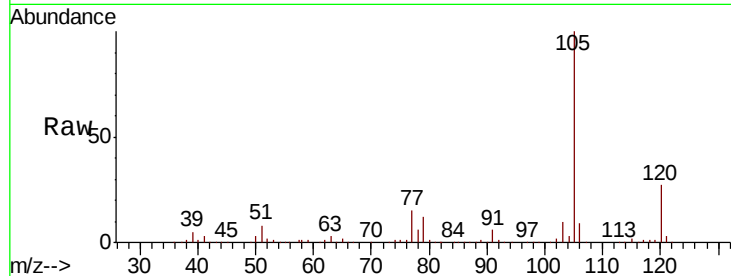
120 27.0 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.95 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Tgt Ion: 43 Resp: 119654

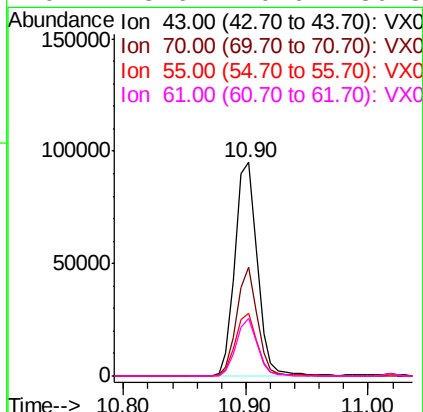
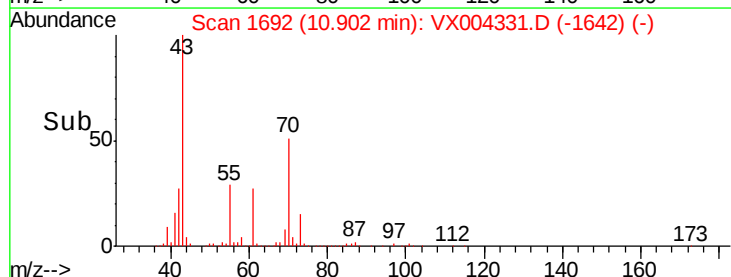
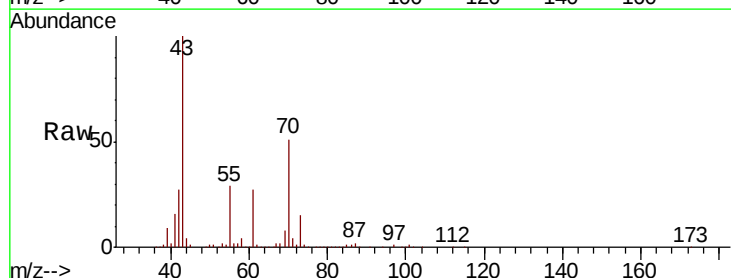
Ion Ratio Lower Upper

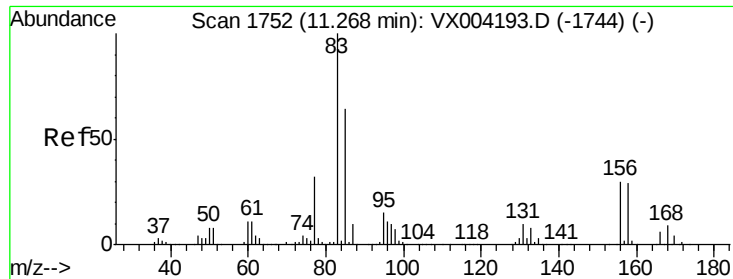
43 100

70 47.3 37.4 56.0

55 29.1 21.8 32.8

61 25.6 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.29 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

Tot Ion: 83 Resp: 116457

Ion Ratio Lower Upper

83 100

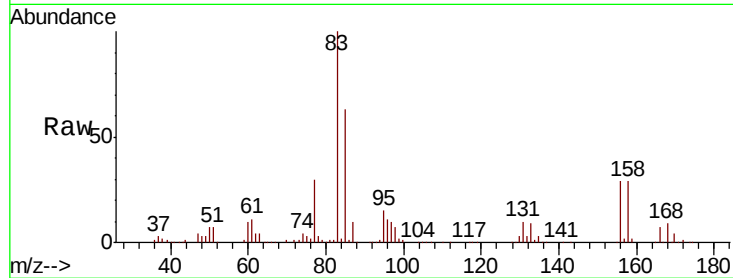
131 10.3 5.2 15.6

85 63.1 32.3 96.8

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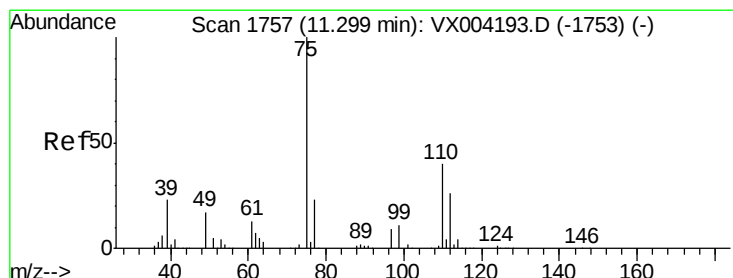
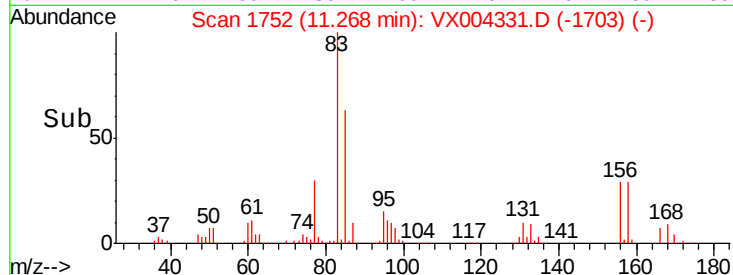
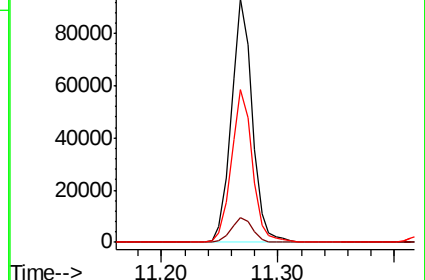
9/4/2018 12:10:41 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.67 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004331.D

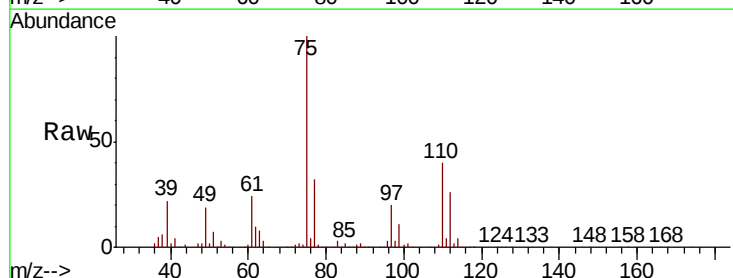
Acq: 31 Aug 2018 17:27

Tgt Ion: 75 Resp: 104984

Ion Ratio Lower Upper

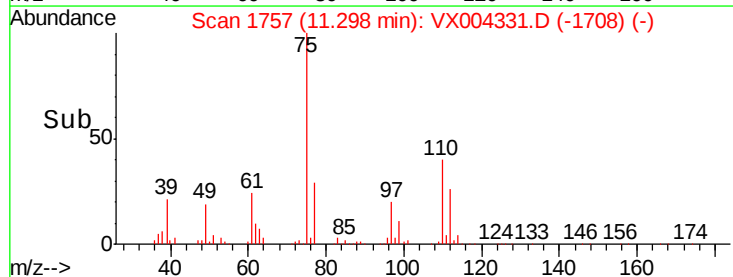
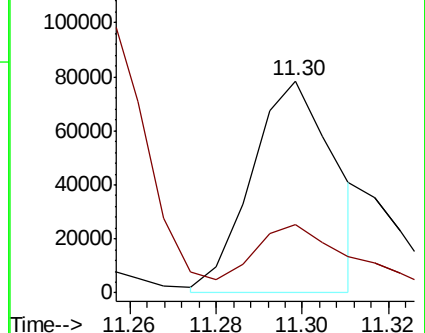
75 100

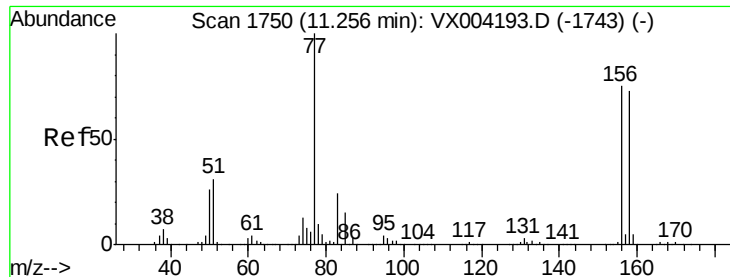
77 39.0 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.08 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampled :

VX0831MBS01

Tot Ion:156 Resp: 92370

Ion Ratio Lower Upper

156 100

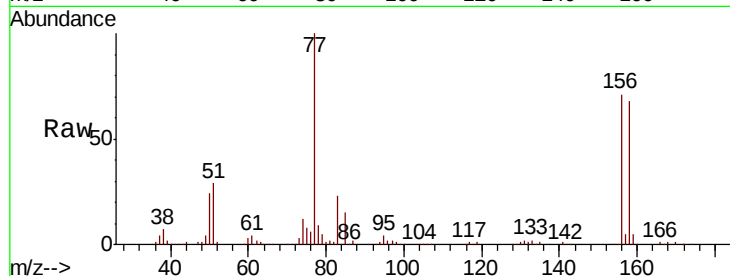
77 145.1 71.5 214.3

158 97.6 48.9 146.8

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MMDadoda

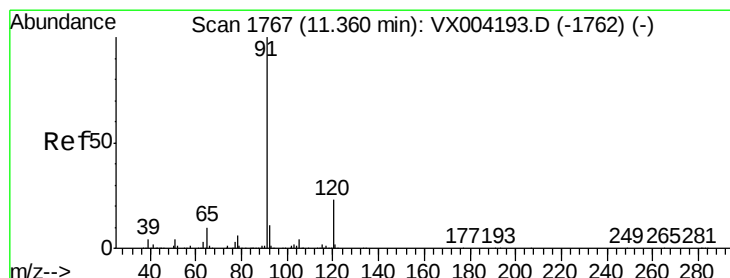
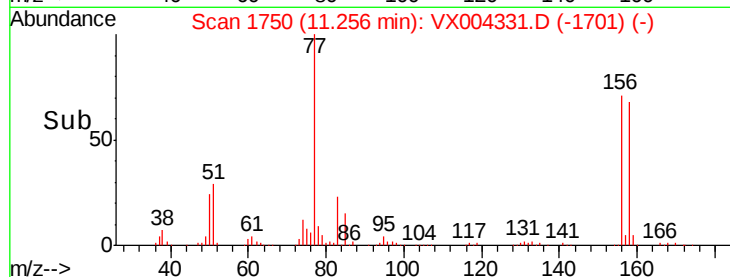
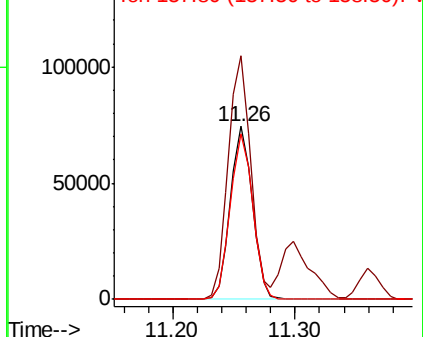
9/4/2018 12:10:41 PM



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: 20.71 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004331.D

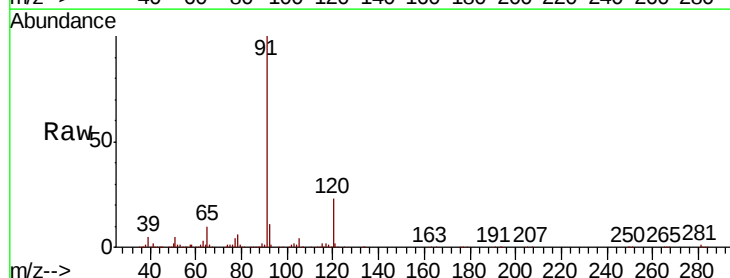
Acq: 31 Aug 2018 17:27

Tgt Ion: 91 Resp: 390633

Ion Ratio Lower Upper

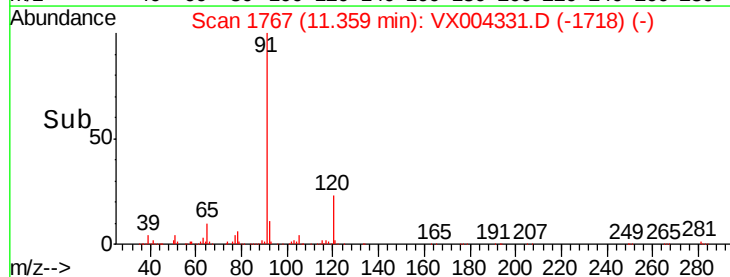
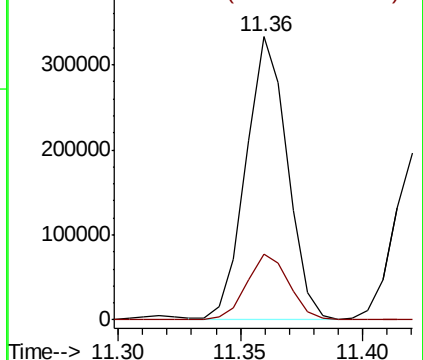
91 100

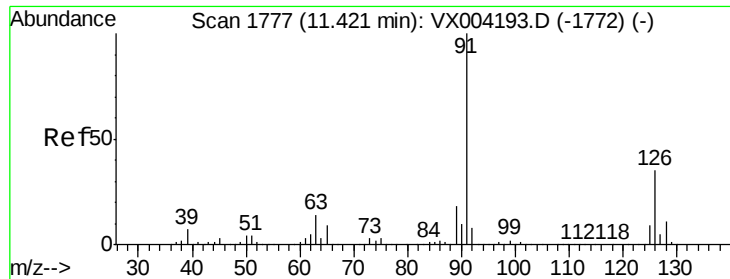
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.26 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampleId :

VX0831MBS01

Tot Ion: 91 Resp: 235242

Ion Ratio Lower Upper

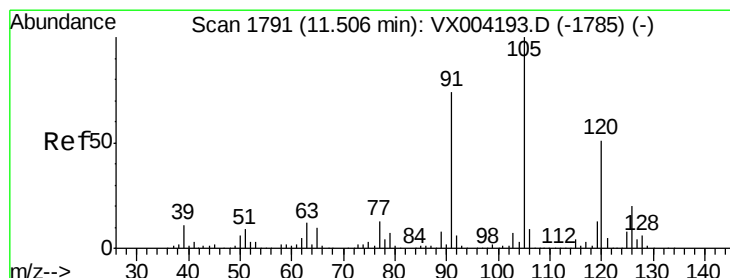
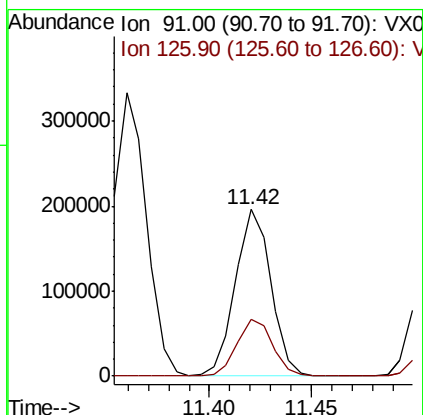
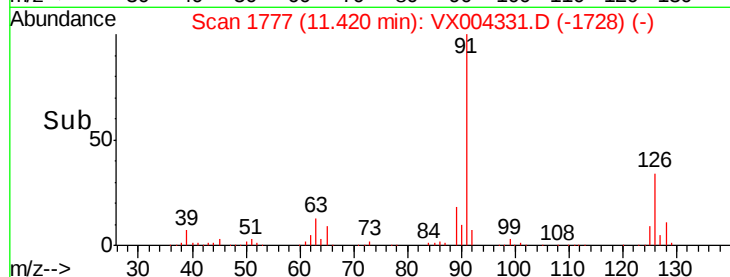
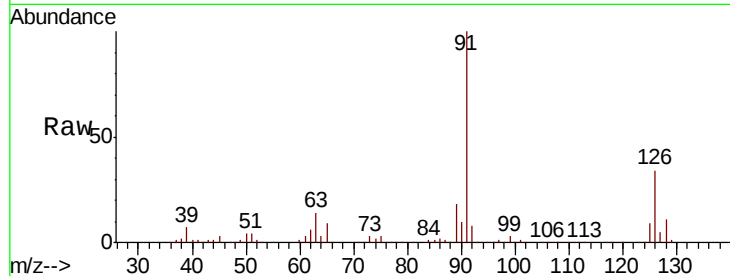
91 100

126 34.6 17.9 53.7

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#80

1,3,5-Trimethylbenzene

Concen: 20.90 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004331.D

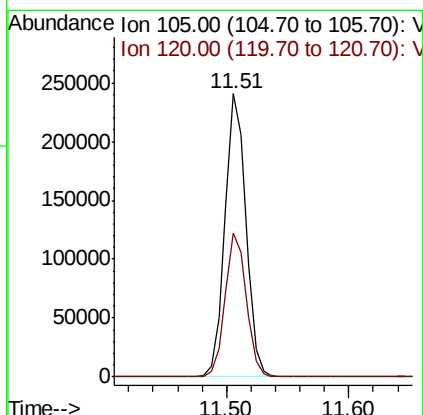
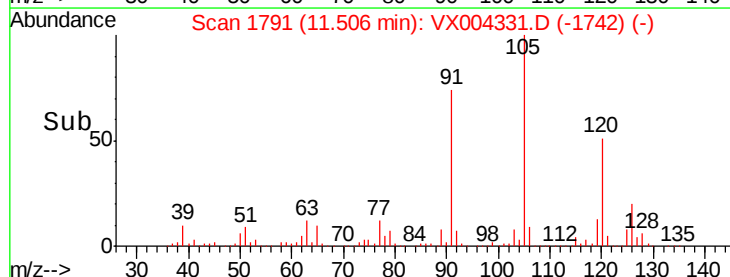
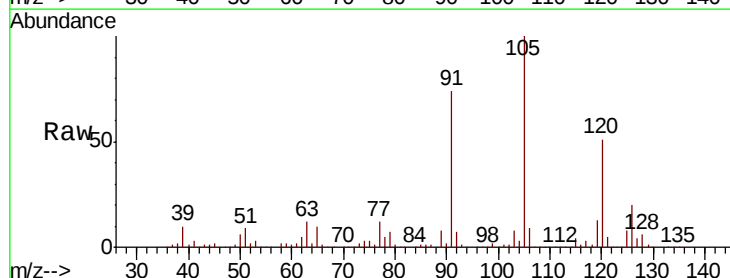
Acq: 31 Aug 2018 17:27

Tgt Ion:105 Resp: 283896

Ion Ratio Lower Upper

105 100

120 51.2 25.6 76.8





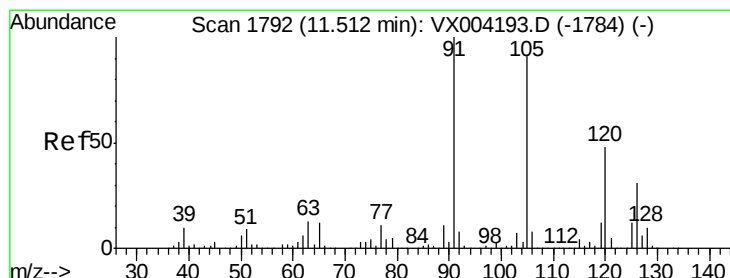
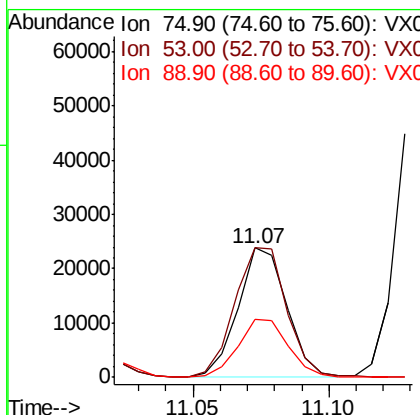
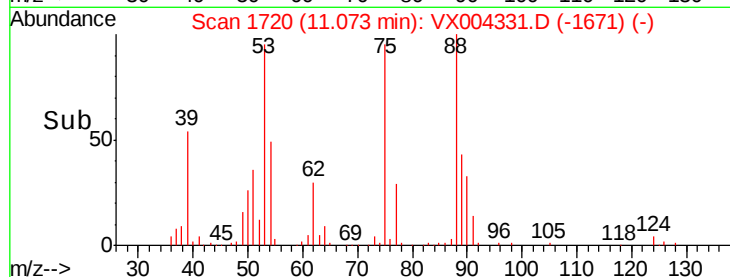
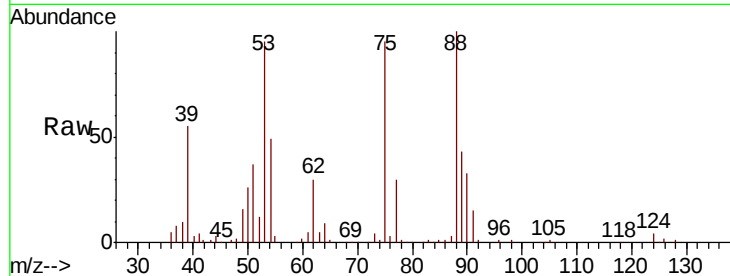
#81
trans-1,4-Dichloro-2-butene
Concen: 18.76 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Instrument :
MSVOA_X
ClientSampled :
VX0831MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.2	80.1	120.1
89	46.9	37.2	55.8

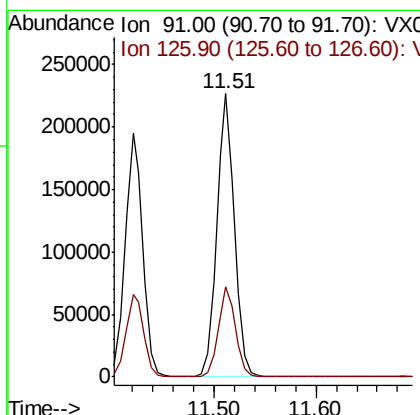
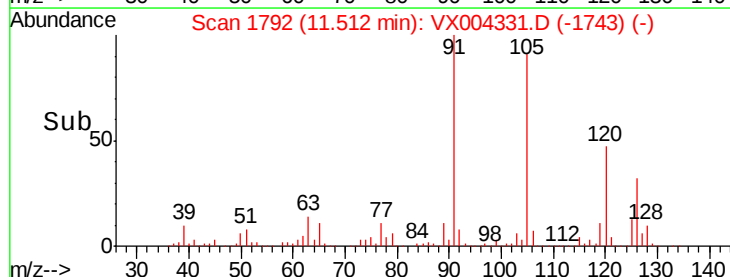
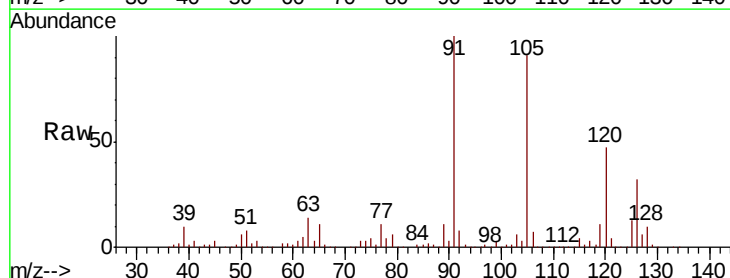
Manual Integrations
APPROVED

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#82
4-Chlorotoluene
Concen: 20.09 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.5	46.5





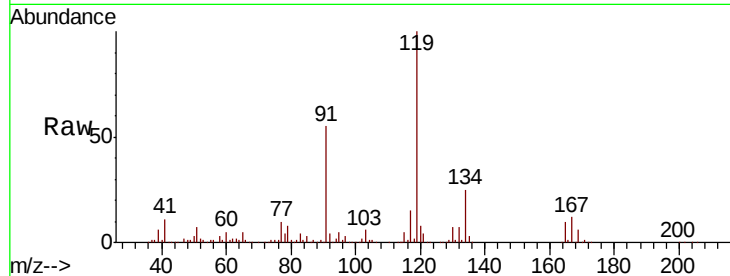
#83
tert-Butylbenzene
Concen: 20.62 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	281865		
91	53.9		27.0	81.0
134	24.1		11.7	35.1

Manual Integrations
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9/4/2018 12:10:41 PM

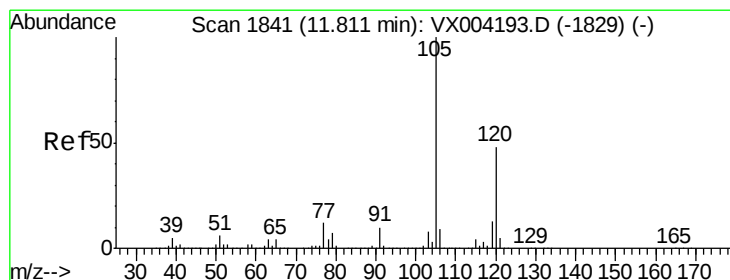
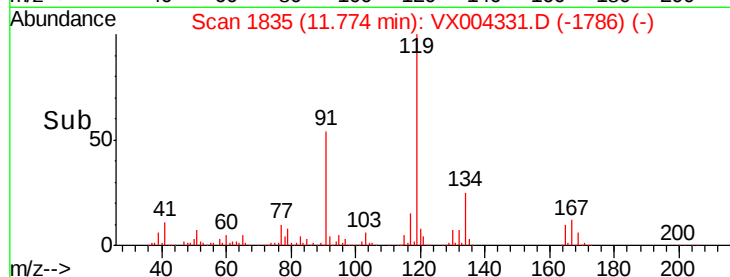
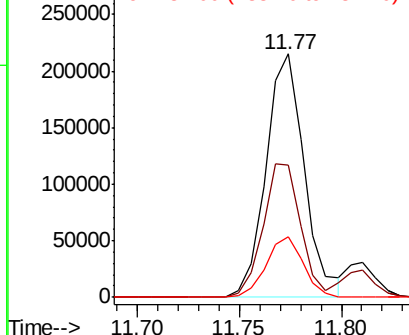


Abundance

Ion 119.00 (118.70 to 119.70): V

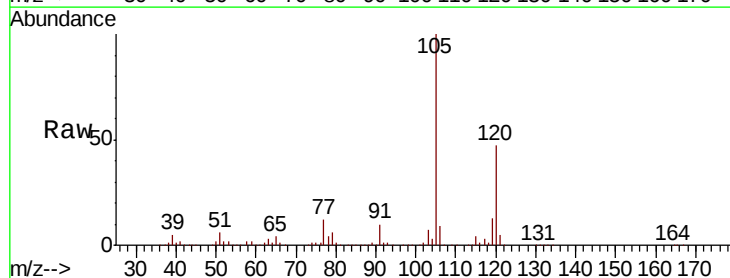
Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84
1,2,4-Trimethylbenzene
Concen: 21.05 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

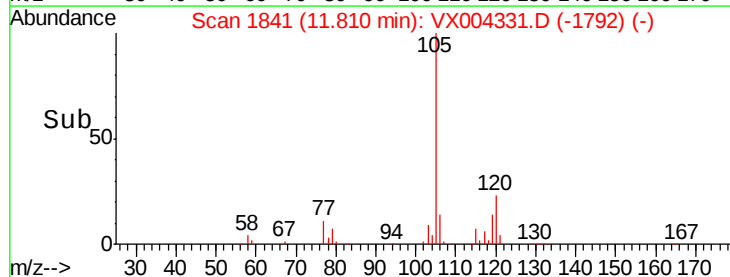
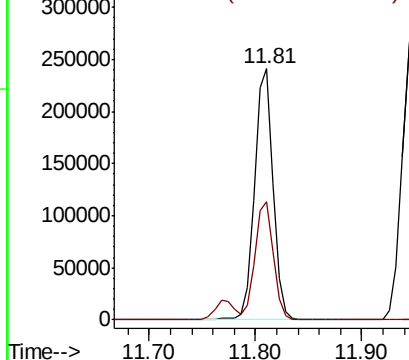
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	293571		
120	46.8		23.2	69.6



Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.16 ug/l

RT: 11.94 min Scan# 1863

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

ClientSampled :

VX0831MBS01

Tot Ion:105 Resp: 343275

Ion Ratio Lower Upper

105 100

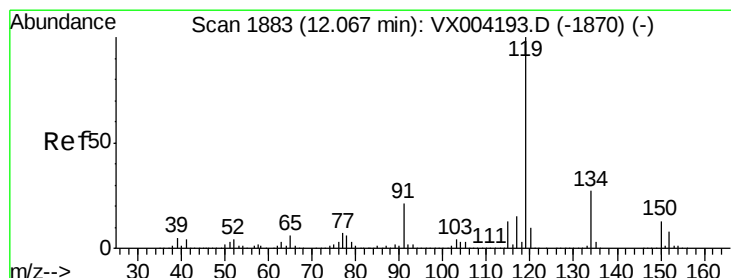
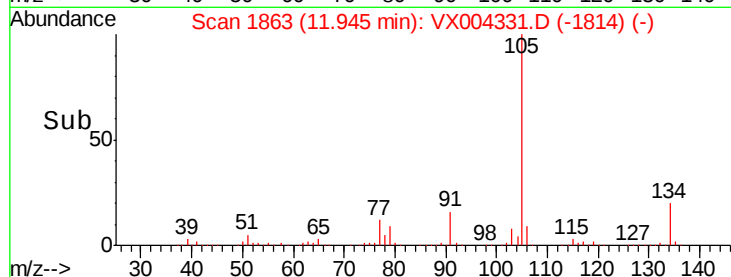
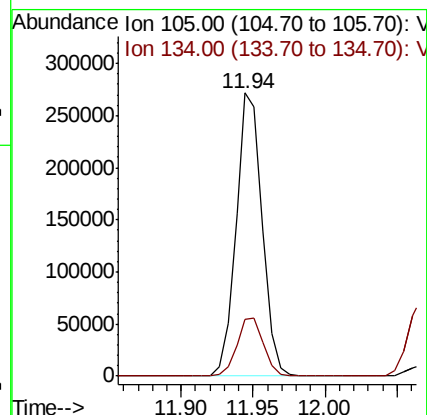
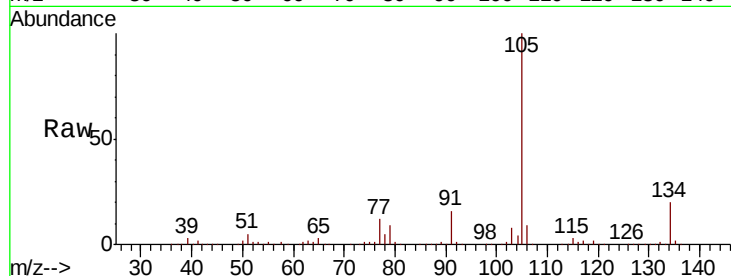
134 20.9 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.28 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

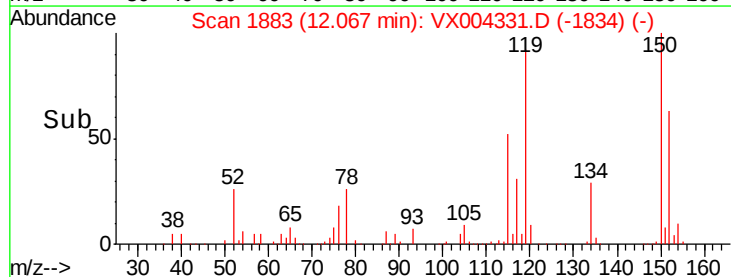
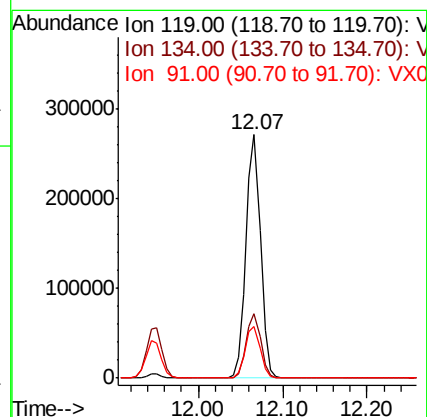
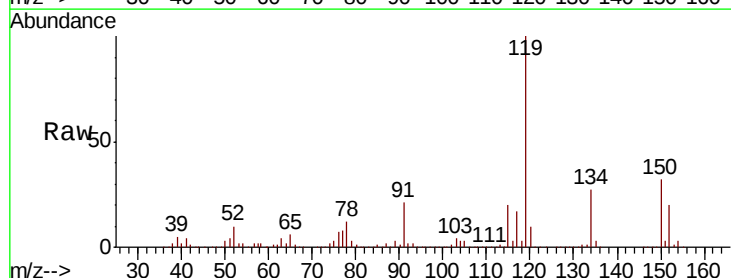
Tgt Ion:119 Resp: 309491

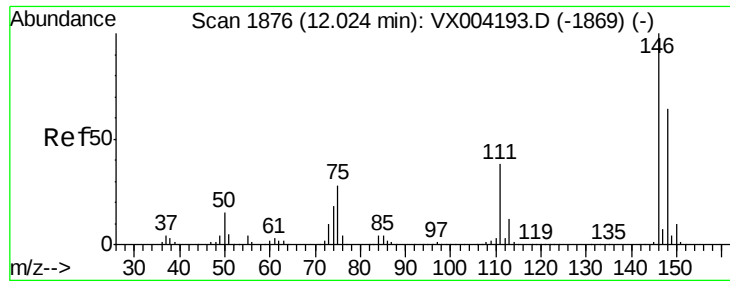
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 21.9 10.9 32.7





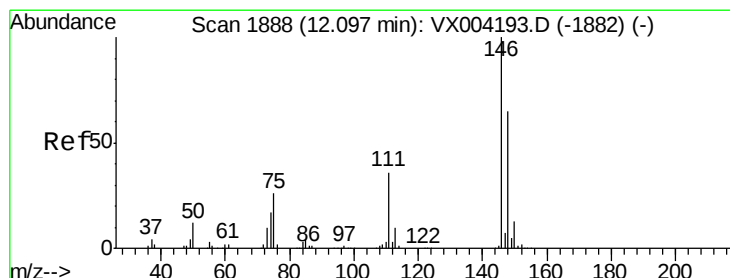
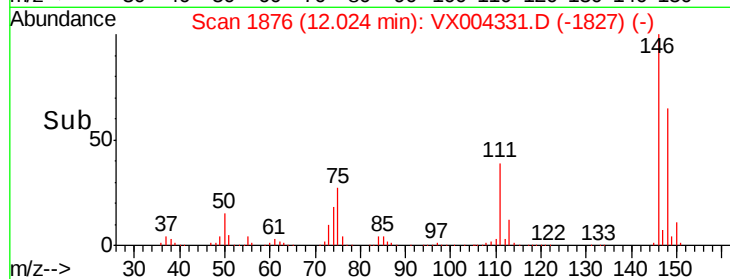
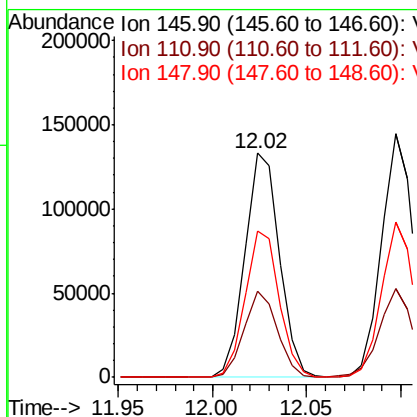
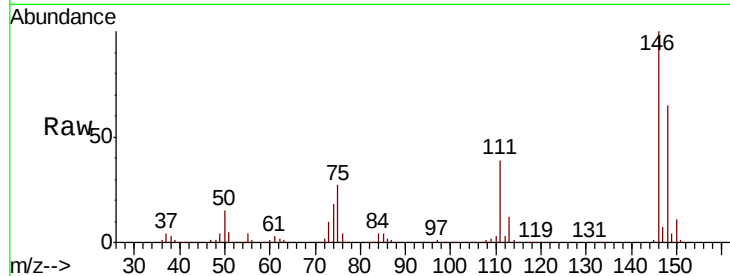
#87
 1,3-Dichlorobenzene
 Concen: 19.52 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.7	56.1
148	64.6	32.1	96.5

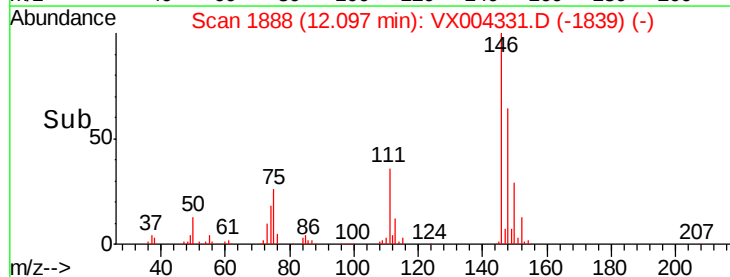
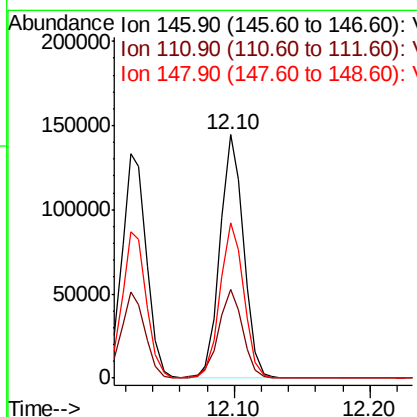
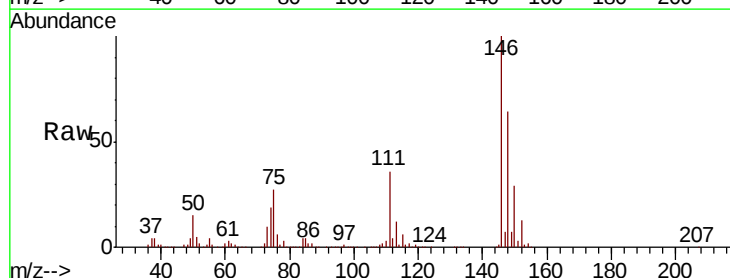
Manual Integrations
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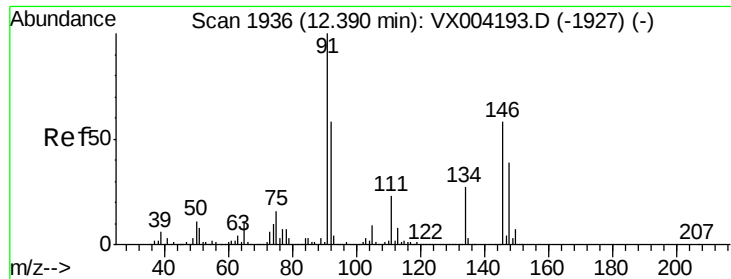
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#88
 1,4-Dichlorobenzene
 Concen: 19.01 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.1	54.1
148	64.2	32.0	96.0





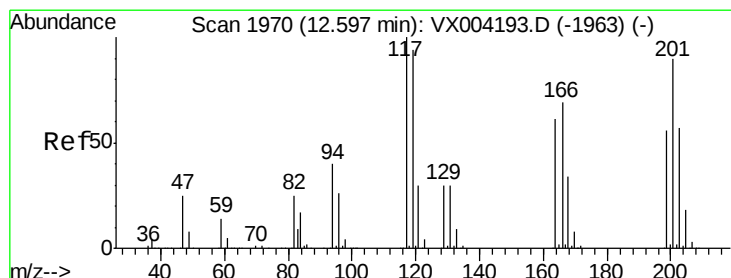
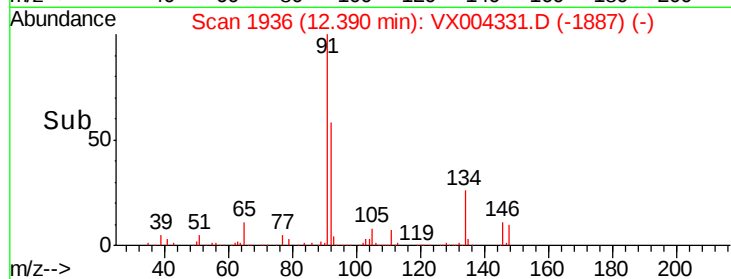
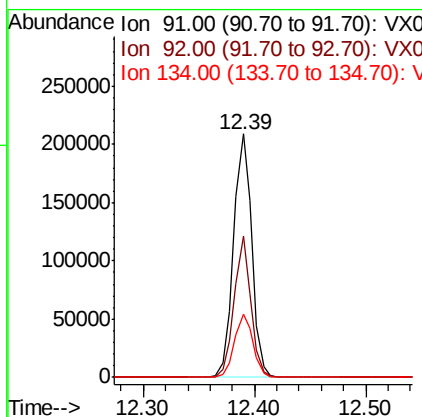
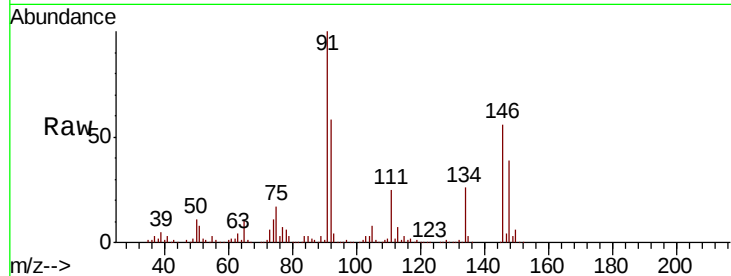
#89
n-Butylbenzene
Concen: 19.96 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Instrument :
MSVOA_X
ClientSampled :
VX0831MBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.1	27.3	81.9	
134	26.5	13.6	40.7	

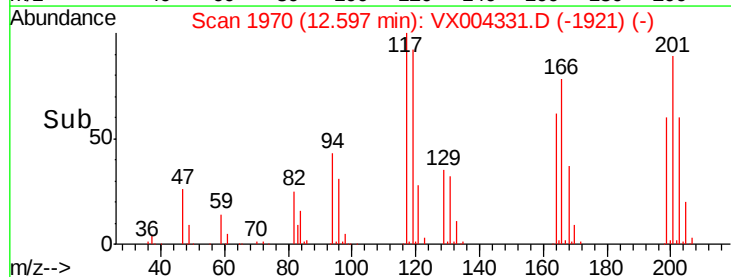
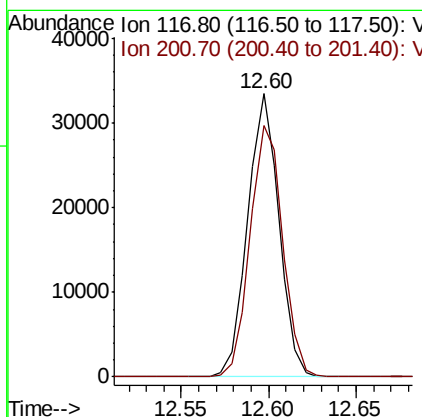
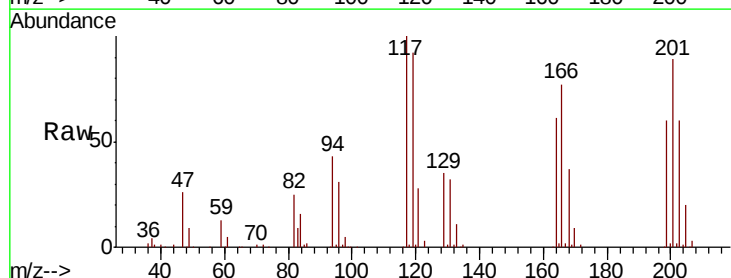
Manual Integrations
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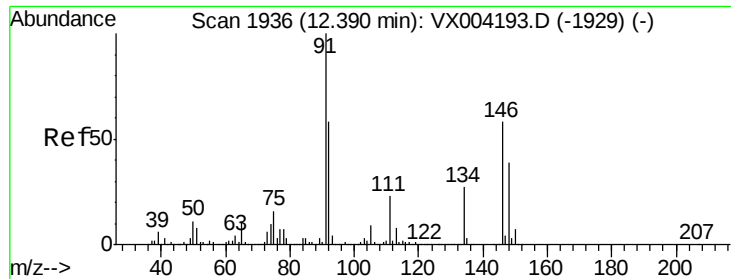
MMDadoda
9/4/2018 12:10:41 PM



#90
Hexachloroethane
Concen: 20.58 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	92.6	46.9	140.6	





#91

1,2-Dichlorobenzene

Concen: 20.48 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.01 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Instrument :

MSVOA_X

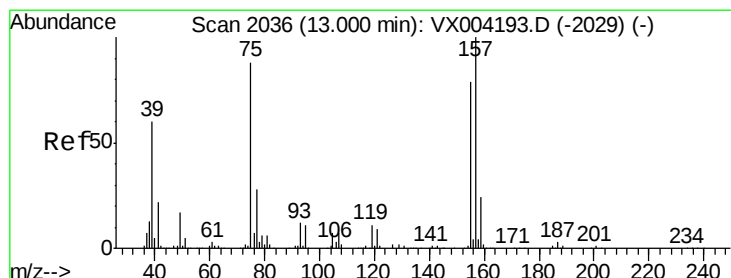
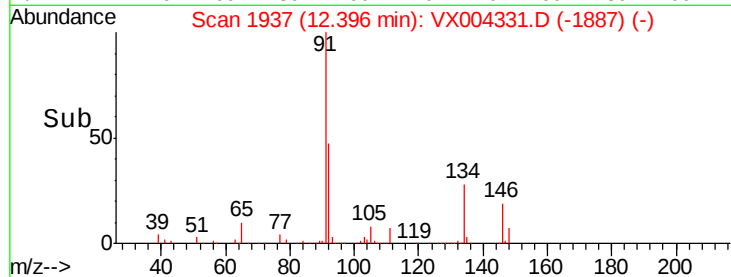
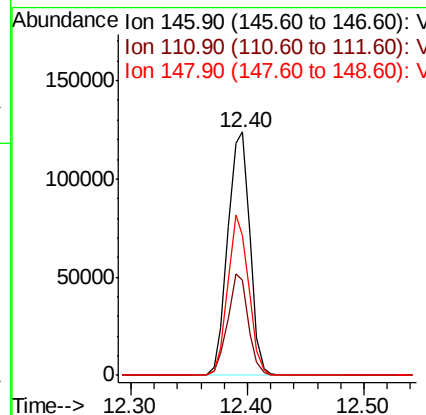
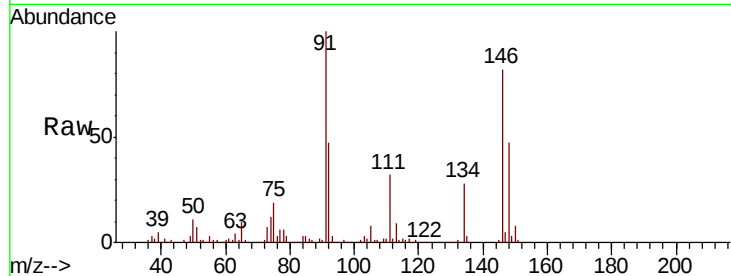
ClientSampleId :

VX0831MBS01

Tot Ion:	146	Resp:	162145
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.4	58.1
148	61.9	32.8	98.3

Manual Integrations
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9/4/2018 12:10:41 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.33 ug/l

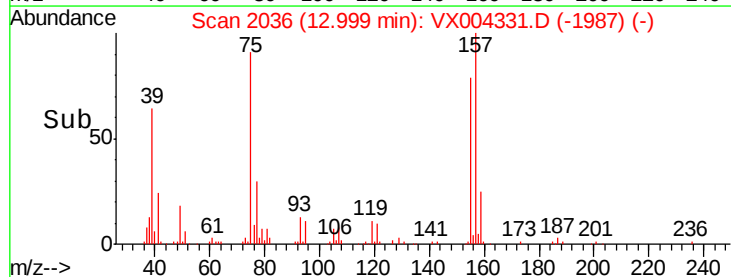
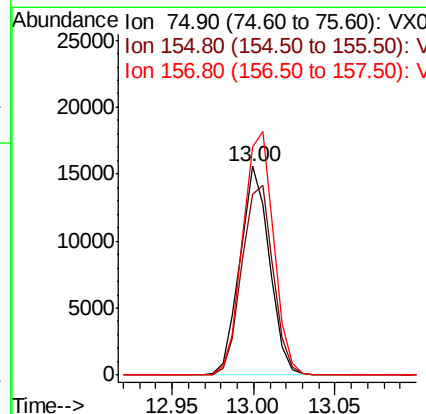
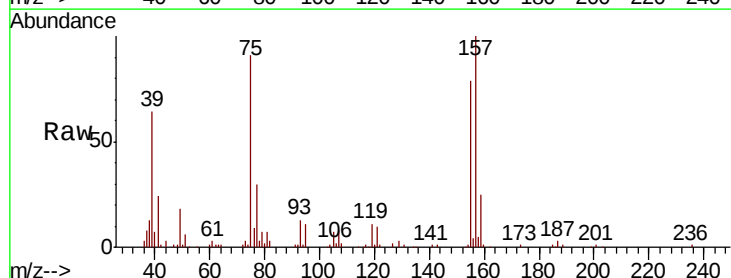
RT: 13.00 min Scan# 2036

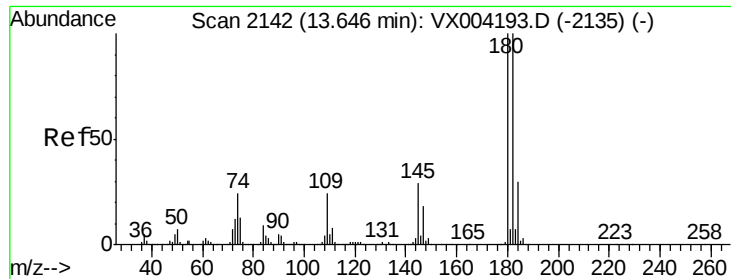
Delta R.T. -0.00 min

Lab File: VX004331.D

Acq: 31 Aug 2018 17:27

Tgt Ion:	75	Resp:	19541
Ion Ratio	Lower	Upper	
75	100		
155	96.6	48.0	144.2
157	123.5	61.4	184.1





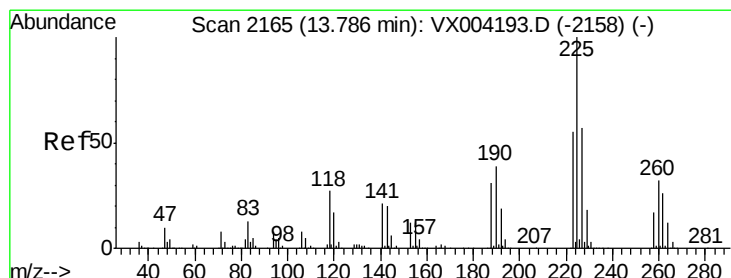
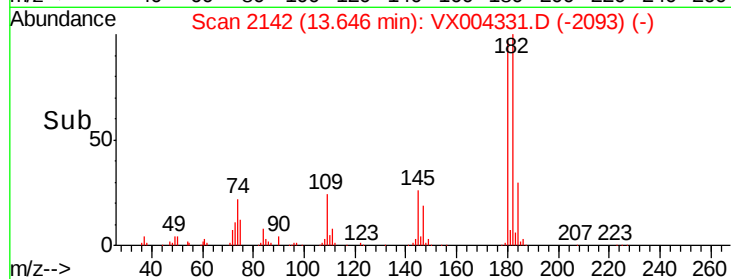
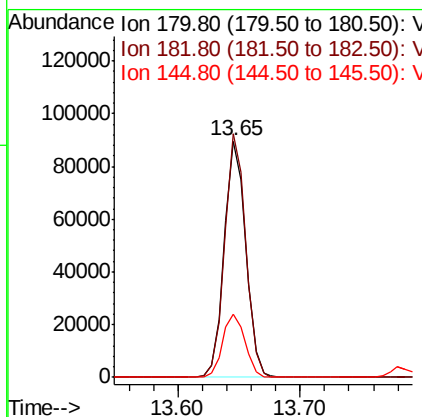
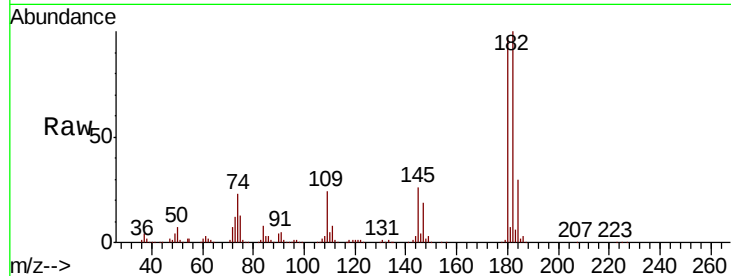
#93
 1,2,4-Trichlorobenzene
 Concen: 18.94 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0831MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109093		
182	100.6	48.4	145.0	
145	27.8	14.3	42.9	

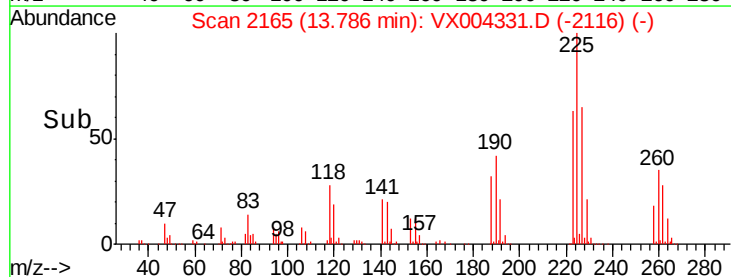
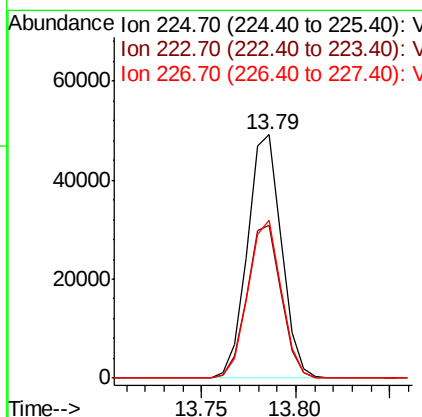
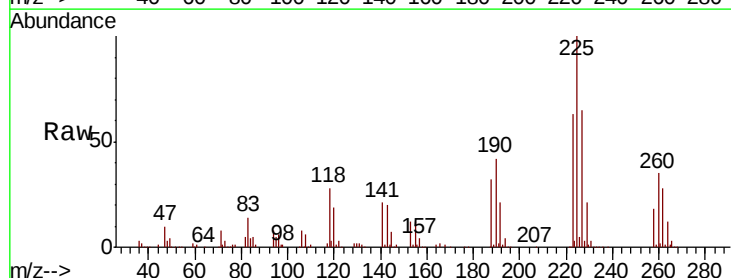
Manual Integrations
 APPROVED

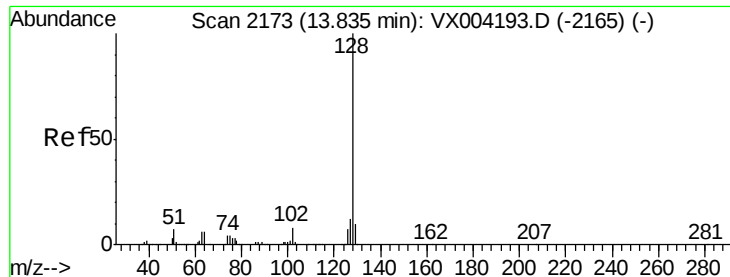
MMDadoda
 9/4/2018 12:10:41 PM



#94
 Hexachlorobutadiene
 Concen: 22.90 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VX004331.D
 Acq: 31 Aug 2018 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61582		
223	63.2	30.1	90.5	
227	63.3	30.8	92.4	





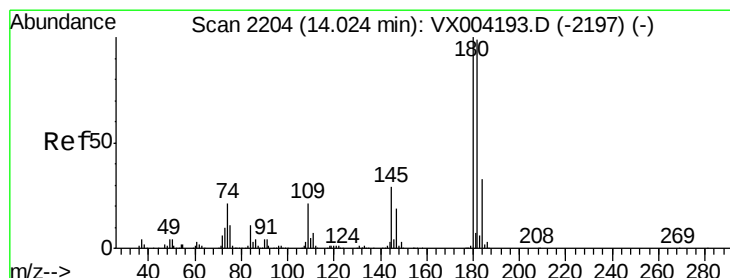
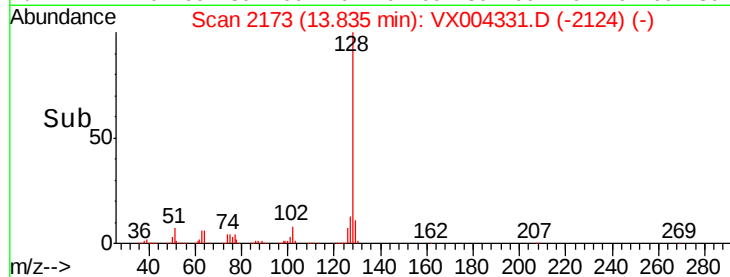
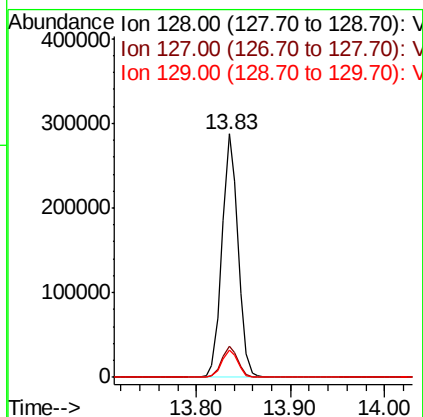
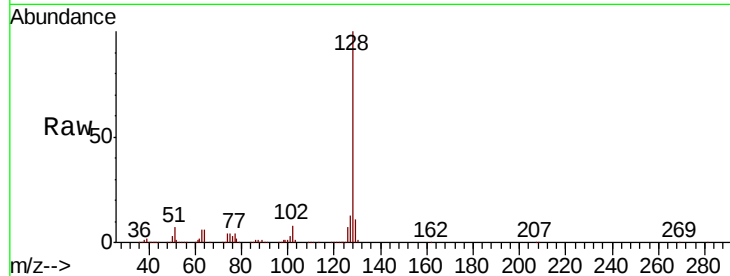
#95
Naphthalene
Concen: 20.82 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Instrument :
MSVOA_X
ClientSampleId :
VX0831MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	12.7	10.2	15.2	
129	11.1	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/4/2018 12:10:41 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.42 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004331.D
Acq: 31 Aug 2018 17:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	48.5	145.6	
145	29.5	14.9	44.9	

