

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083018\
 Data File : VX004321.D
 Acq On : 30 Aug 2018 14:29
 Operator : JC/MD
 Sample : VX0830MBS01
 Misc : 5.0µ/10mL/100µL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830MBS01

Manual Integrations
 APPROVED

MMDadoda
 8/31/2018 4:30:08 PM

Quant Time: Aug 30 15:32:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	303073	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	440313	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	409416	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	242560	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	196001	49.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.24%	
35) Dibromofluoromethane	5.50	113	167698	51.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.40%	
50) Toluene-d8	8.71	98	627153	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	11.14	95	230589	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.20	85	66535	18.95	ug/l	97
3) Chloromethane	1.32	50	75244	19.57	ug/l	99
4) Vinyl Chloride	1.40	62	76029	19.15	ug/l	98
5) Bromomethane	1.64	94	39088	18.70	ug/l	98
6) Chloroethane	1.72	64	58249	19.87	ug/l	100
7) Trichlorofluoromethane	1.93	101	102925	18.91	ug/l	97
8) Diethyl Ether	2.19	74	45962	19.72	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	63995	18.78	ug/l	99
10) Methyl Iodide	2.51	142	57650	17.98	ug/l	99
11) Tert butyl alcohol	3.07	59	86589	102.83	ug/l	100
12) 1,1-Dichloroethene	2.37	96	59188	18.43	ug/l	97
13) Acrolein	2.29	56	16773	82.62	ug/l	99
14) Allyl chloride	2.73	41	115434	19.57	ug/l	98
15) Acrylonitrile	3.15	53	208835	100.15	ug/l	99
16) Acetone	2.45	43	178388	105.98	ug/l	99
17) Carbon Disulfide	2.57	76	145008	16.80	ug/l	97
18) Methyl Acetate	2.78	43	147333	25.13	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	208783	19.73	ug/l	97
20) Methylene Chloride	2.86	84	74330	19.55	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	65072	18.31	ug/l	96
22) Diisopropyl ether	3.87	45	217619	19.76	ug/l	97
23) Vinyl Acetate	3.82	43	824991	92.42	ug/l	100
24) 1,1-Dichloroethane	3.70	63	127489	19.86	ug/l	100
25) 2-Butanone	4.71	43	271900	101.03	ug/l	99
26) 2,2-Dichloropropane	4.58	77	91787	18.23	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	74669	18.52	ug/l	99
28) Bromochloromethane	5.01	49	60113	21.15	ug/l	99
29) Tetrahydrofuran	5.16	42	169273	99.74	ug/l	99
30) Chloroform	5.21	83	125415	19.49	ug/l	96
31) Cyclohexane	5.57	56	102237	18.46	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	101944	19.00	ug/l	99
36) 1,1-Dichloropropene	5.80	75	90079	18.20	ug/l	99
37) Ethyl Acetate	4.86	43	94601	19.43	ug/l	100
38) Carbon Tetrachloride	5.78	117	86372	18.55	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	97509	17.25	ug/l	98
40) Benzene	6.14	78	286330	19.36	ug/l	100
41) Methacrylonitrile	5.06	41	56913	20.17	ug/l	99
42) 1,2-Dichloroethane	6.20	62	97553	19.34	ug/l	100
43) Isopropyl Acetate	6.46	43	144751	19.35	ug/l	99
44) Trichloroethene	7.21	130	75426	18.42	ug/l	99
45) 1,2-Dichloropropane	7.52	63	73621	19.89	ug/l	97
46) Dibromomethane	7.67	93	46759	18.97	ug/l	99
47) Bromodichloromethane	7.90	83	87588	19.10	ug/l	99
48) Methyl methacrylate	7.78	41	78033	19.49	ug/l	100
49) 1,4-Dioxane	7.76	88	34857	383.55	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	526433	96.85	ug/l	99
52) Toluene	8.79	92	180338	19.48	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	93618	18.48	ug/l	98
54) cis-1,3-Dichloropropene	8.44	75	106007	19.21	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	74424	19.91	ug/l	99
56) Ethyl methacrylate	9.18	69	97531	19.17	ug/l	99
57) 1,3-Dichloropropane	9.37	76	125328	19.89	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	281795	108.09	ug/l	99
59) 2-Hexanone	9.50	43	394964	95.25	ug/l	99
60) Dibromochloromethane	9.59	129	68064	18.69	ug/l	99
61) 1,2-Dibromoethane	9.67	107	74623	19.29	ug/l	100
64) Tetrachloroethene	9.34	164	76243	18.85	ug/l	97
65) Chlorobenzene	10.14	112	195676	19.04	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	10.22	131	66527	18.77	ug/l	98
67) Ethyl Benzene	10.25	91	319244	19.13	ug/l	93
68) m/p-Xylenes	10.36	106	253634	38.87	ug/l	100
69) o-Xylene	10.70	106	124405	20.16	ug/l	97
70) Styrene	10.71	104	203376	20.35	ug/l	99
71) Bromoform	10.86	173	50741	17.76	ug/l #	97
73) Isopropylbenzene	11.02	105	331447	20.81	ug/l	100
74) N-amyl acetate	10.90	43	119750	19.52	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	112946	20.26	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	101347m	20.54	ug/l	
77) Bromobenzene	11.26	156	91018	20.37	ug/l	99
78) n-propylbenzene	11.36	91	377807	20.62	ug/l	99
79) 2-Chlorotoluene	11.42	91	231478	20.53	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	276083	20.93	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	29059	19.11	ug/l	96
82) 4-Chlorotoluene	11.51	91	266296	20.07	ug/l	99
83) tert-Butylbenzene	11.77	119	268397	20.22	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	287573	21.23	ug/l	99
85) sec-Butylbenzene	11.94	105	323133	20.50	ug/l	100
86) p-Isopropyltoluene	12.07	119	281387	19.92	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	163256	19.40	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	160704	18.12	ug/l	96
89) n-Butylbenzene	12.39	91	216358	18.84	ug/l	98
90) Hexachloroethane	12.60	117	37691	19.09	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	154110	20.04	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18309	18.65	ug/l	97

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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0830MBS01

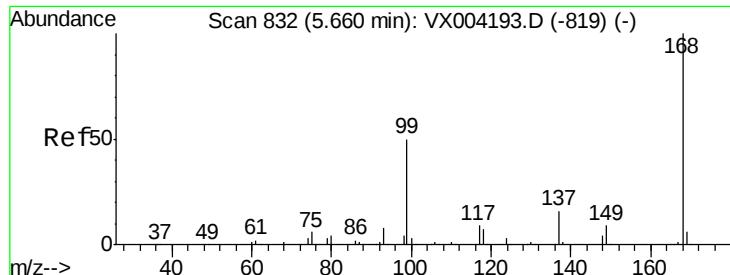
Manual Integrations
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8/31/2018 4:30:08 PM

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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	96324	17.22	ug/l	99
94) Hexachlorobutadiene	13.79	225	44866	17.15	ug/l	98
95) Naphthalene	13.83	128	294783	18.63	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	101756	17.18	ug/l	99

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



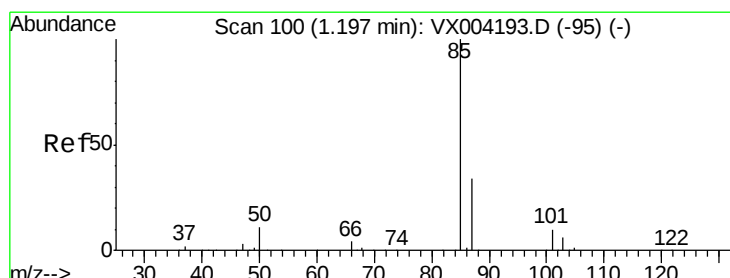
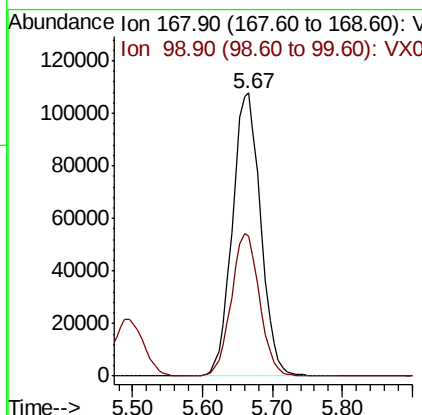
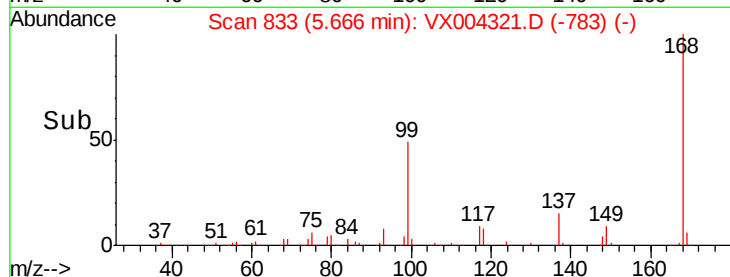
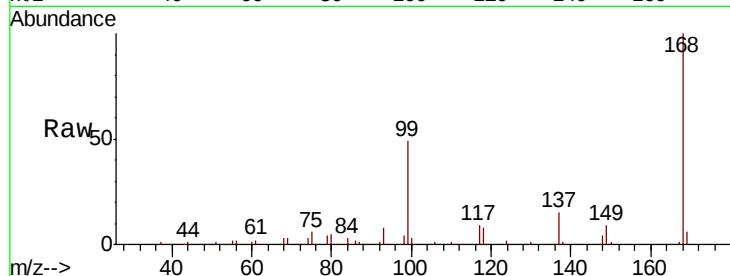
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.01 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0830MBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.2	39.9	59.9

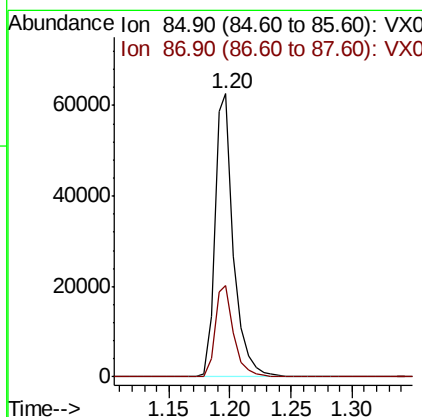
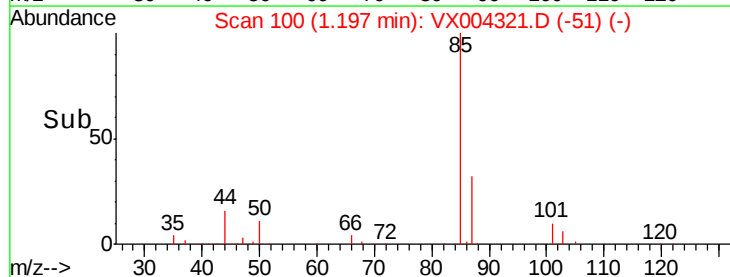
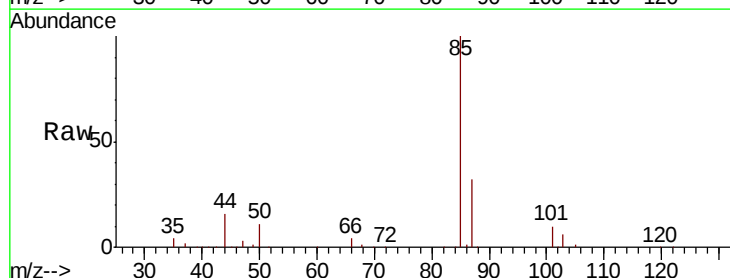
Manual Integrations
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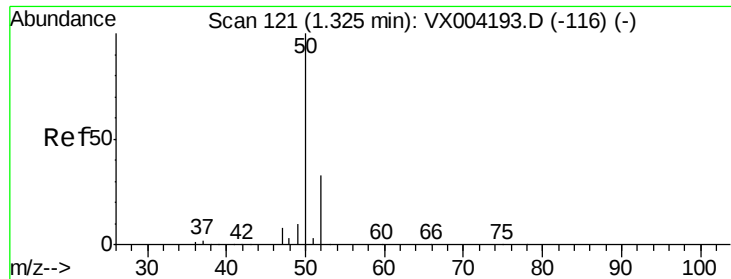
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#2
Dichlorodifluoromethane
Concen: 18.95 ug/l
RT: 1.20 min Scan# 100
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.1	17.0	50.9





#3

Chloromethane

Concen: 19.57 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0830MBS01

Tot Ion: 50 Resp: 75244

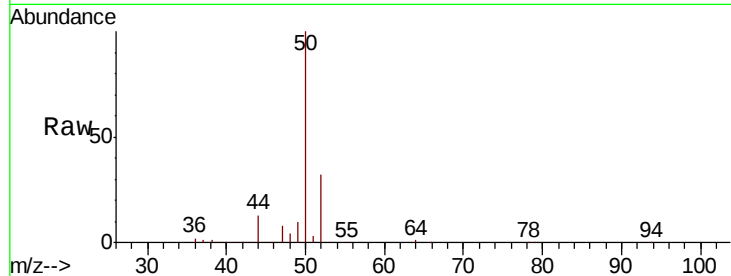
Ion Ratio Lower Upper

50 100

52 32.4 26.2 39.2

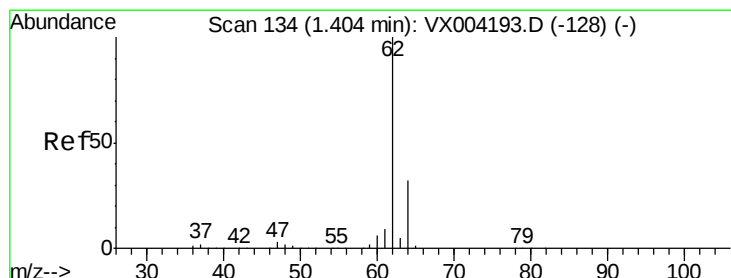
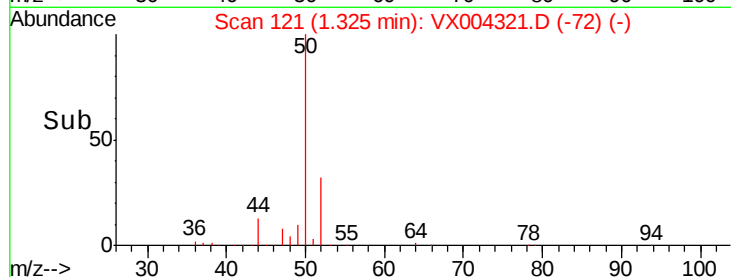
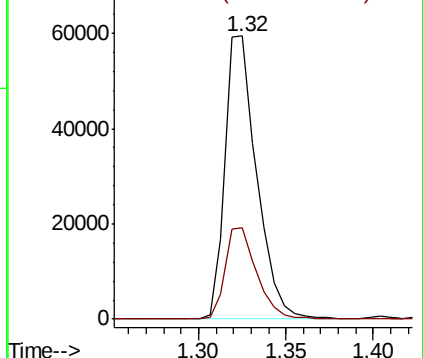
Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.15 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX004321.D

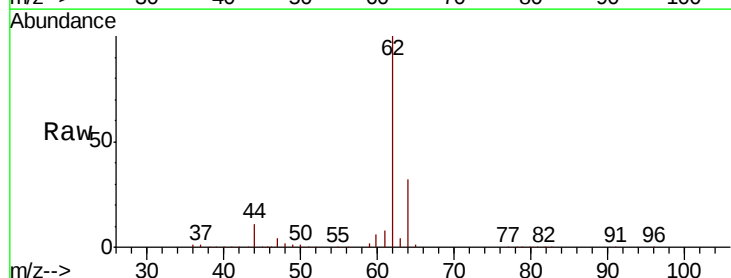
Acq: 30 Aug 2018 14:29

Tgt Ion: 62 Resp: 76029

Ion Ratio Lower Upper

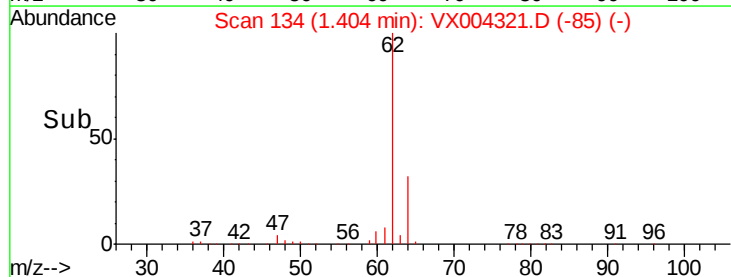
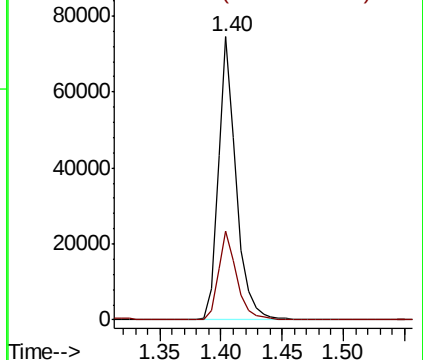
62 100

64 31.4 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: 18.70 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0830MBS01

Tot Ion: 94 Resp: 39088

Ion Ratio Lower Upper

94 100

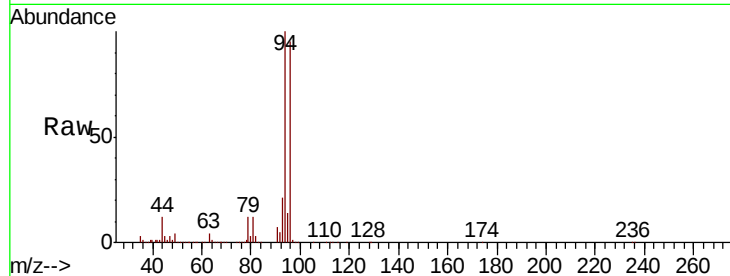
96 95.4 74.5 111.7

Manual Integrations

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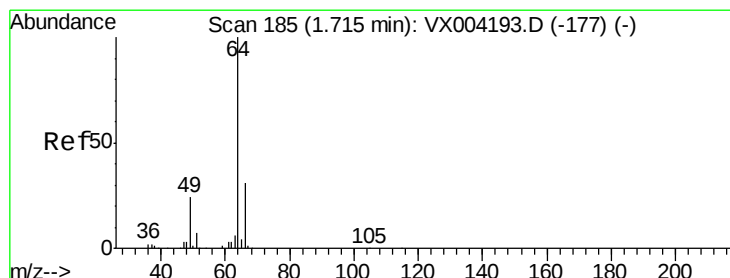
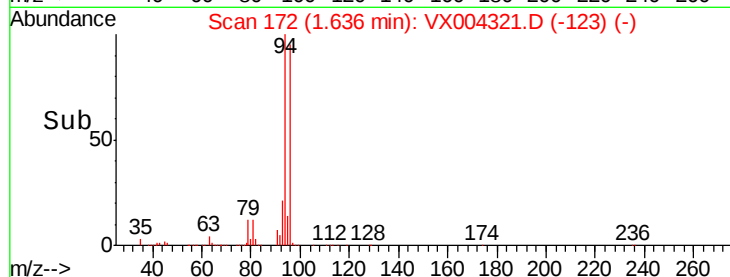
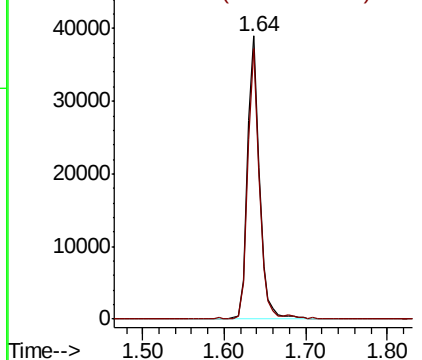
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.87 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX004321.D

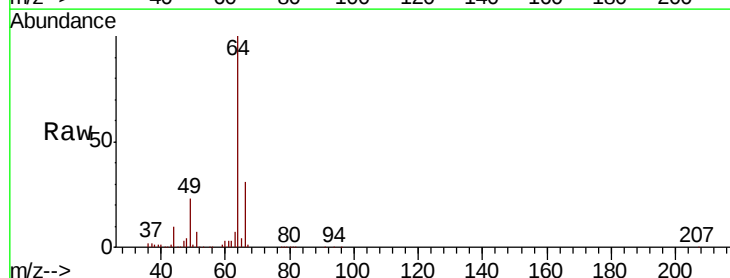
Acq: 30 Aug 2018 14:29

Tgt Ion: 64 Resp: 58249

Ion Ratio Lower Upper

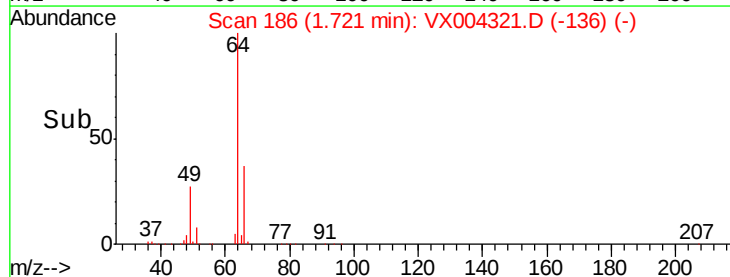
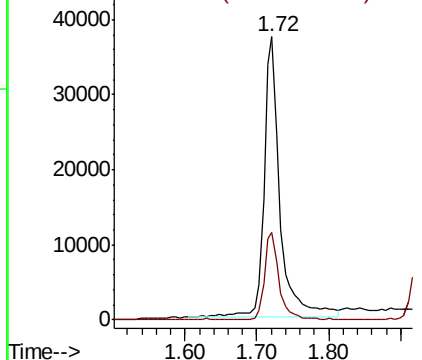
64 100

66 30.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

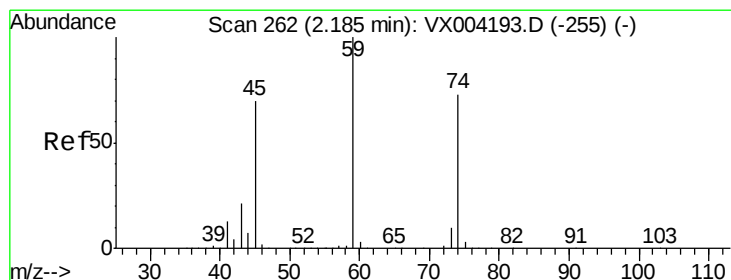
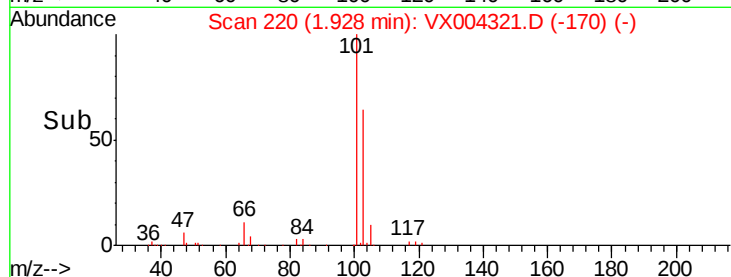
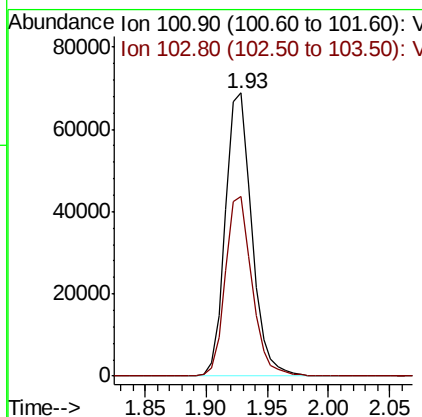
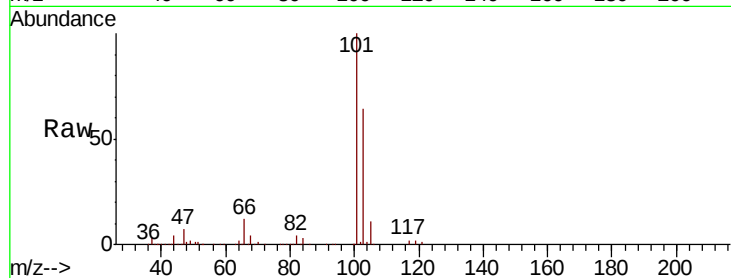
Trichlorofluoromethane
 Concen: 18.91 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	102925		
103	63.5	48.9	73.3	

Manual Integrations
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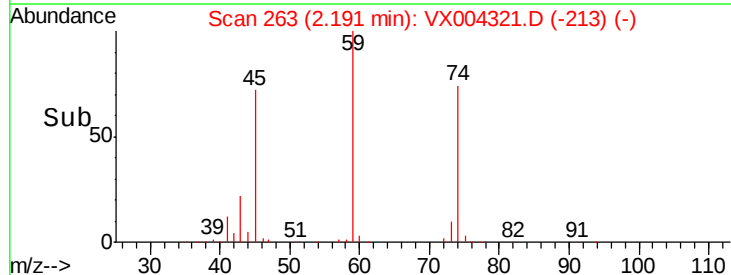
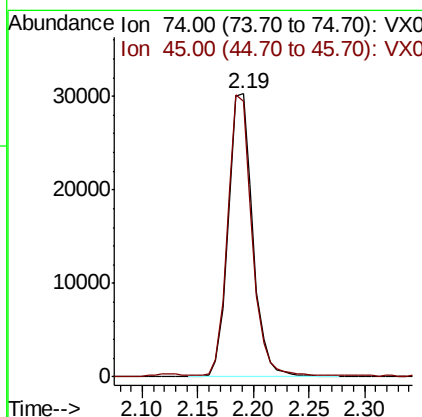
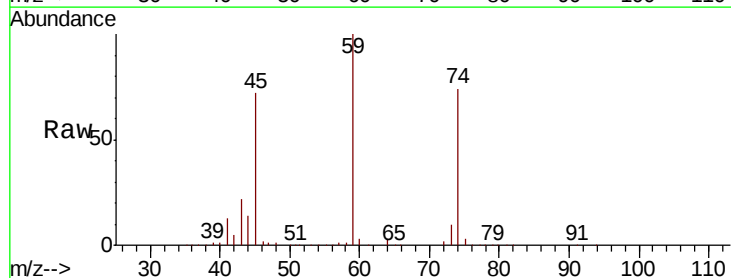
MMDadoda
 8/31/2018 4:30:08 PM

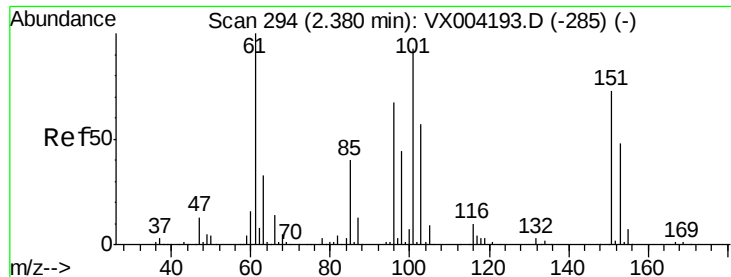


#8

Diethyl Ether
 Concen: 19.72 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.01 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	45962		
45	98.1	48.3	144.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.78 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Instrument :

MSVOA_X

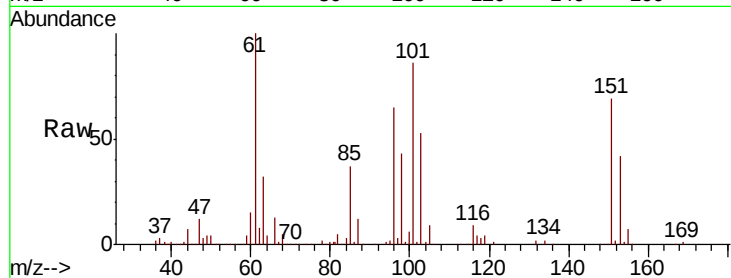
ClientSampleId :

VX0830MBS01

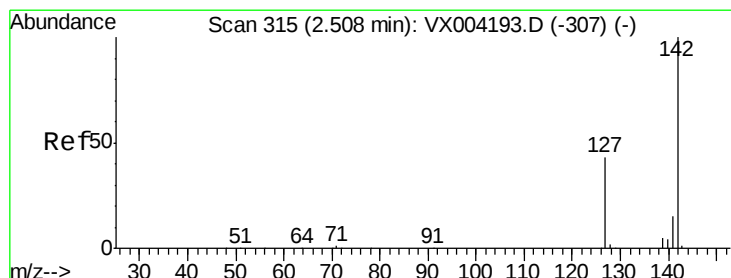
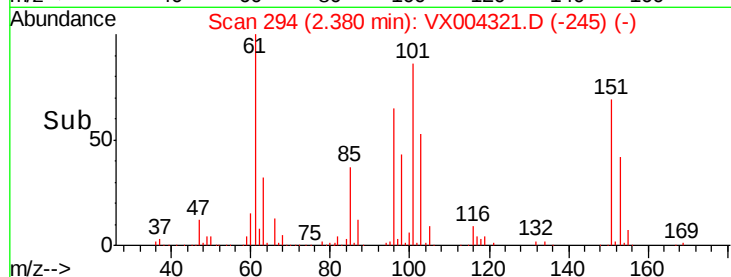
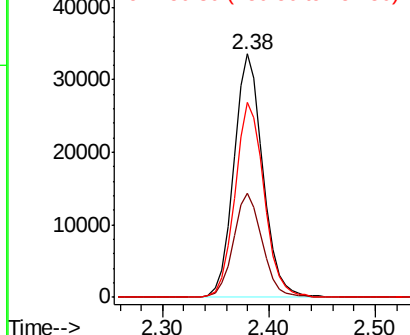
Tot Ion:	101	Resp:	63995
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.4
151	80.6	65.0	97.6

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.98 ug/l

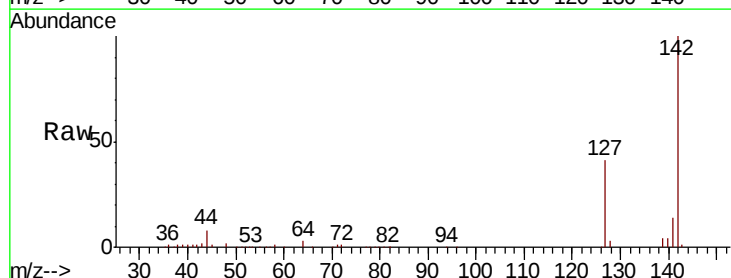
RT: 2.51 min Scan# 315

Delta R.T. 0.00 min

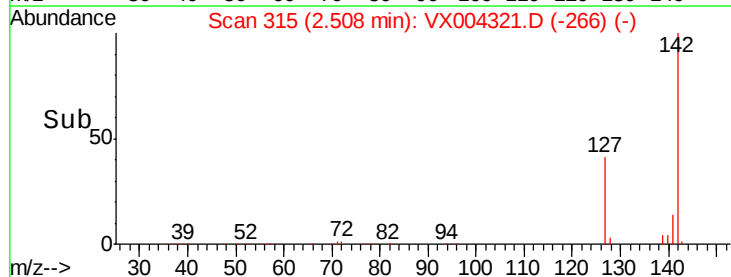
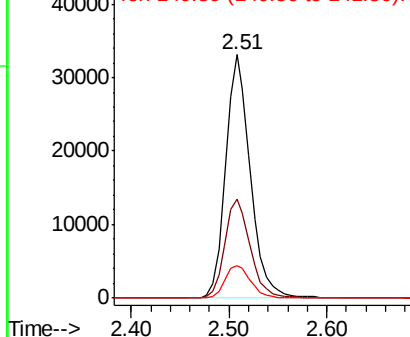
Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Tgt Ion:	142	Resp:	57650
Ion Ratio	Lower	Upper	
142	100		
127	41.8	33.8	50.6
141	14.0	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





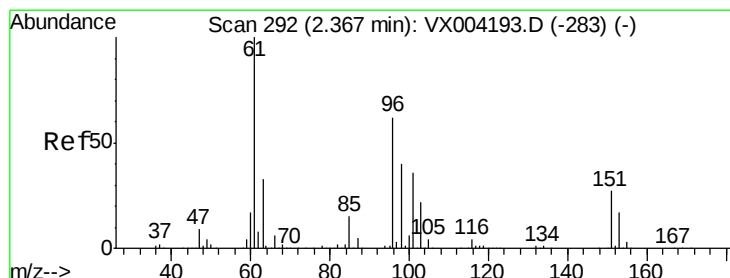
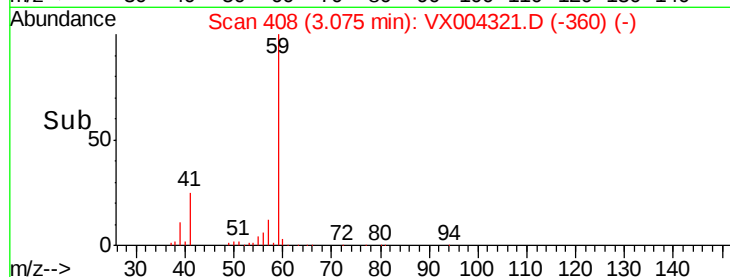
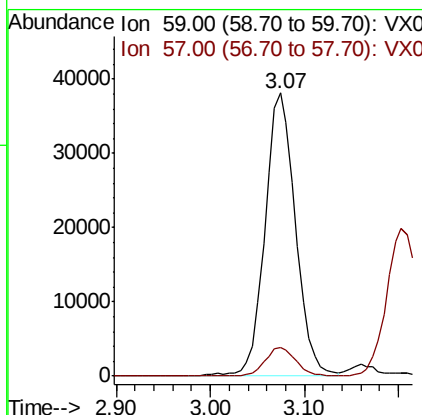
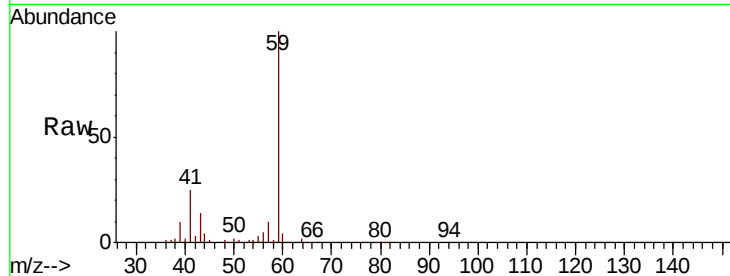
#11
Tert butyl alcohol
Concen: 102.83 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0830MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

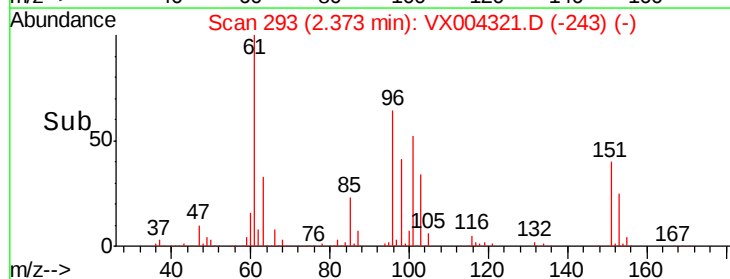
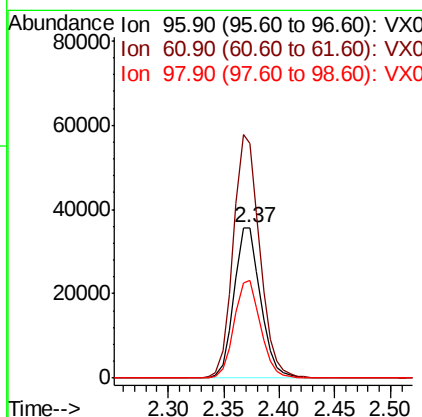
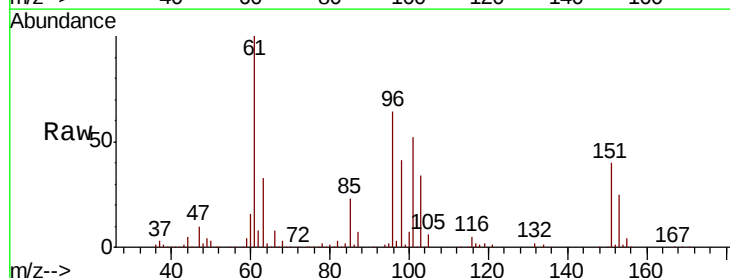
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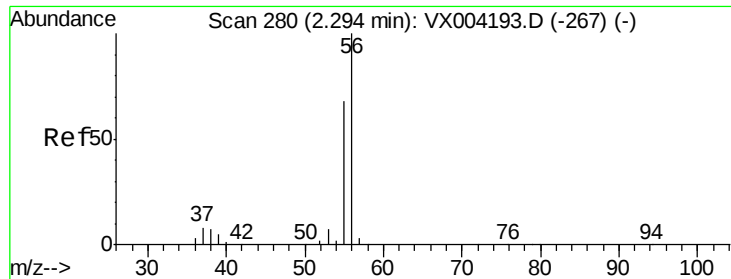
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#12
1,1-Dichloroethene
Concen: 18.43 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.01 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.4	128.8	193.2
98	64.8	52.2	78.2





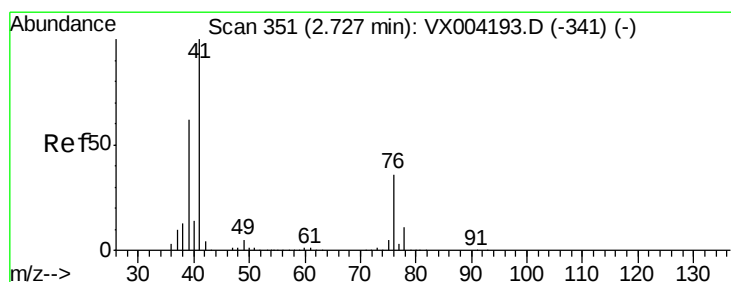
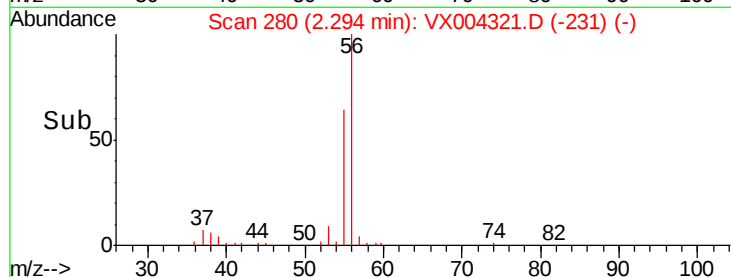
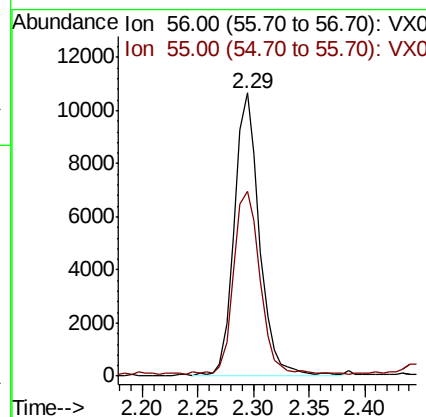
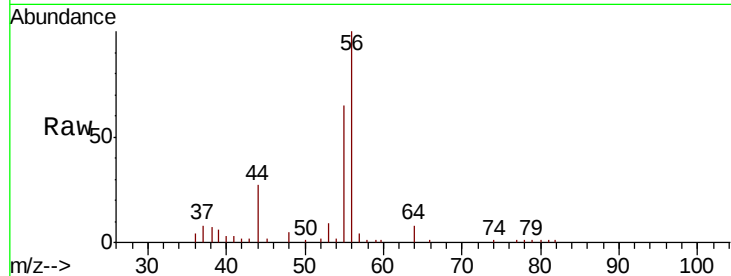
#13
 Acrolein
 Concen: 82.62 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. -0.00 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830MBS01

Tot Ion	56	55	Ratio	100	67.6	Resp	16773	Lower	54.7	Upper	82.1
Ion											

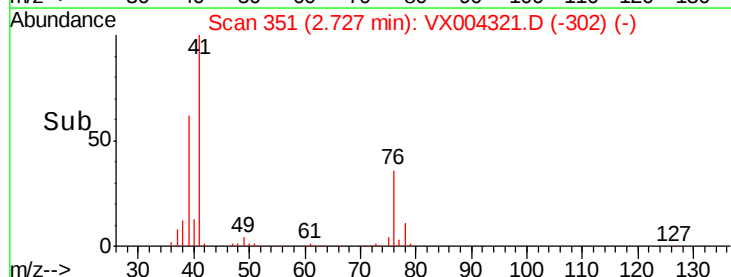
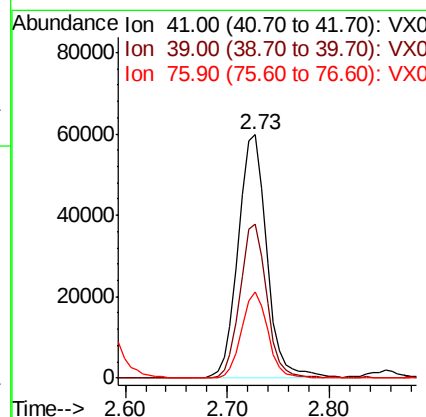
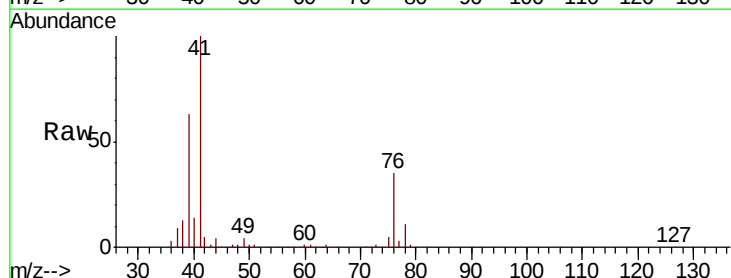
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#14
 Allyl chloride
 Concen: 19.57 ug/l
 RT: 2.73 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Tgt Ion	41	39	76	Ratio	100	58.9	32.8	Resp	115434	Lower	48.9	26.7	Upper	73.3	40.1
Ion															





#15

Acrylonitrile

Concen: 100.15 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Instrument :

MSVOA_X

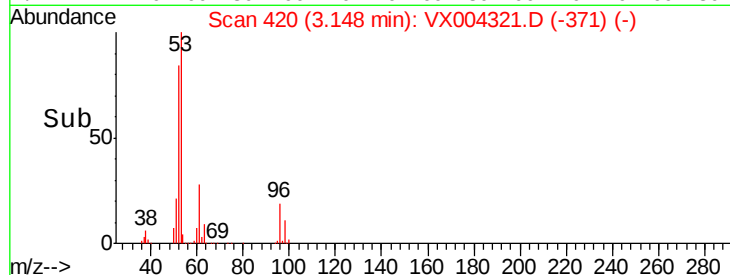
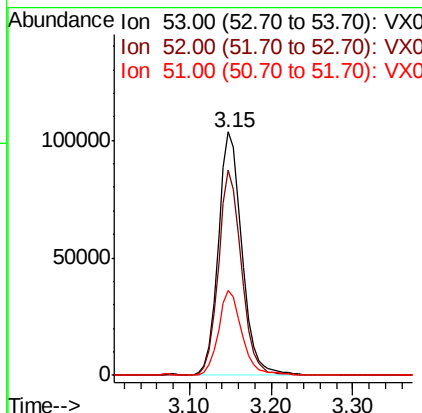
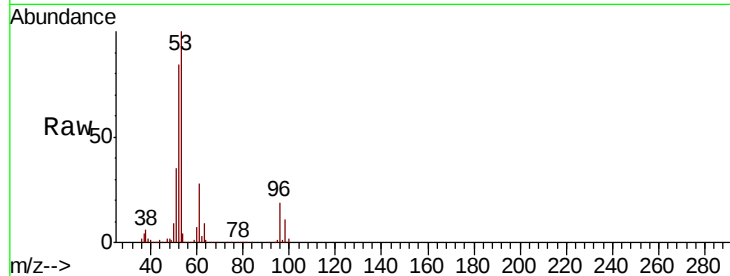
ClientSampleId :

VX0830MBS01

Tot Ion:	53	Resp:	208835
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.2	97.8
51	34.7	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 105.98 ug/l

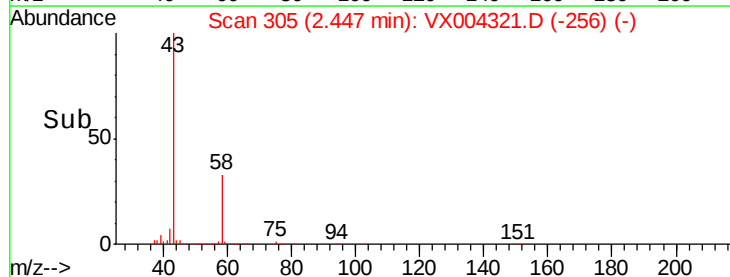
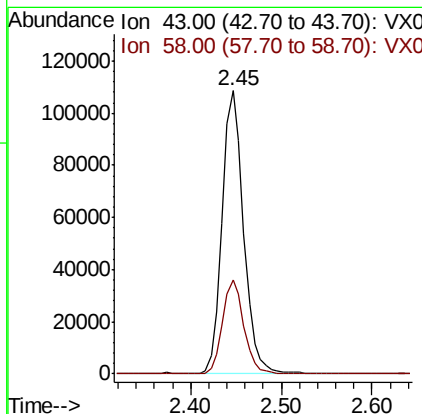
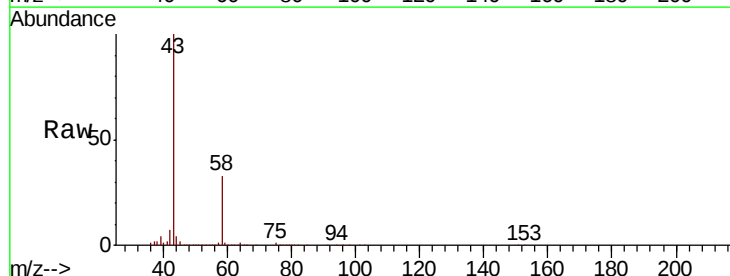
RT: 2.45 min Scan# 305

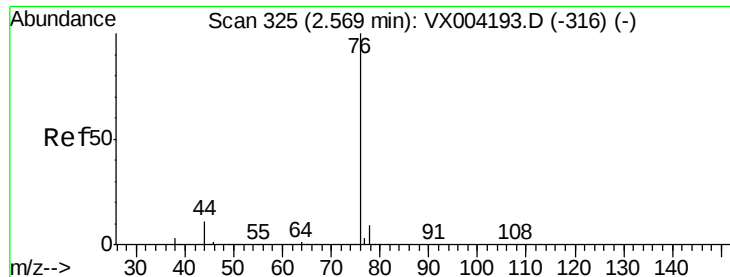
Delta R.T. 0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Tgt Ion:	43	Resp:	178388
Ion Ratio	Lower	Upper	
43	100		
58	33.1	26.2	39.4





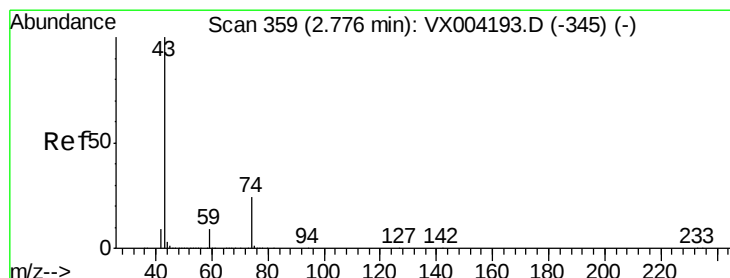
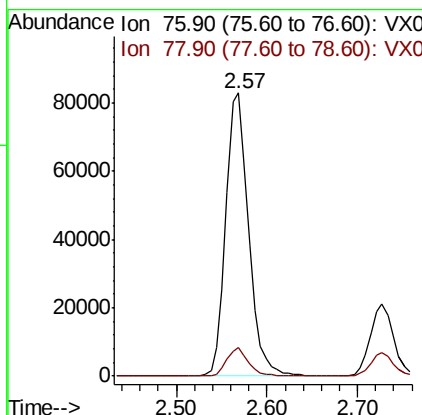
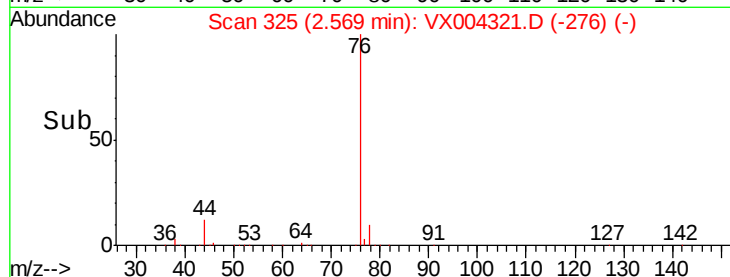
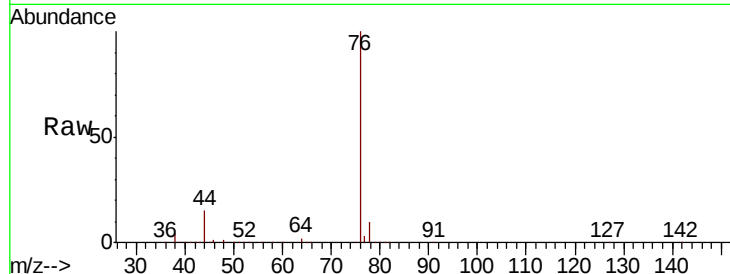
#17
Carbon Disulfide
Concen: 16.80 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0830MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.0	10.6

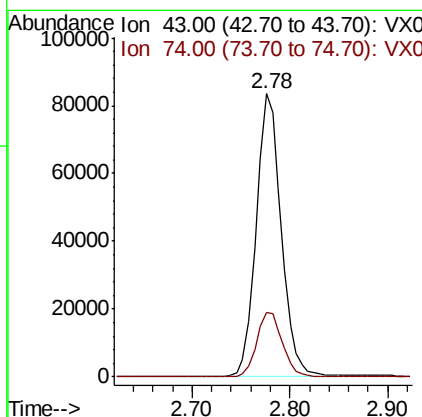
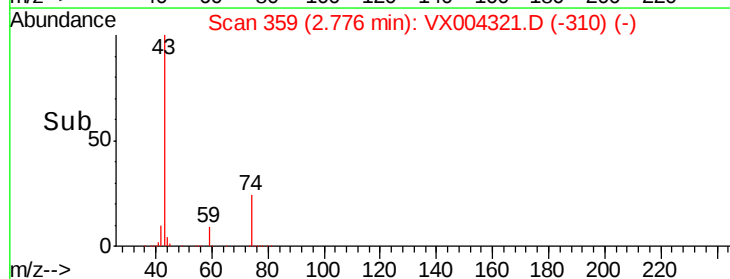
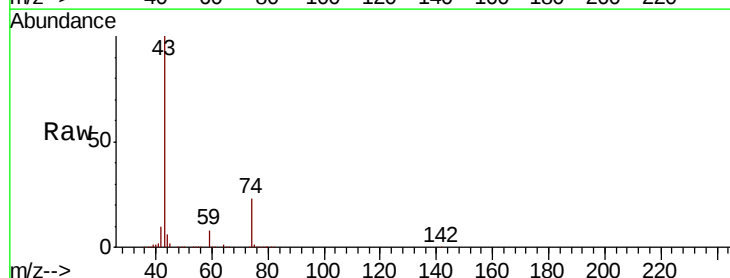
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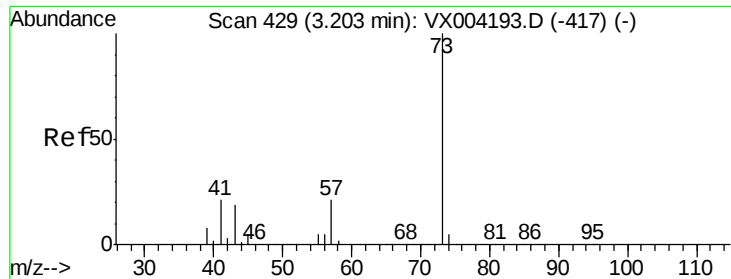
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#18
Methyl Acetate
Concen: 25.13 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.4	29.2





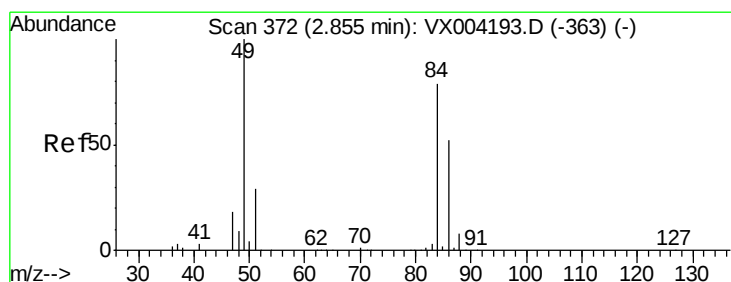
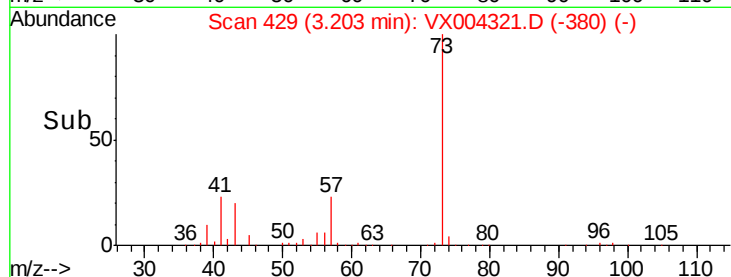
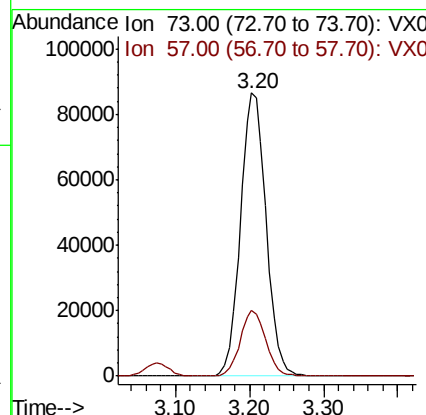
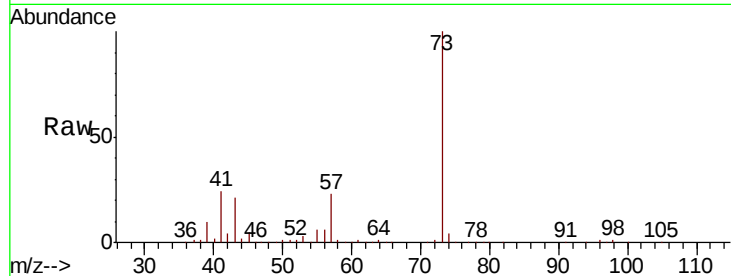
#19
Methvl tert-butvl Ether
Concen: 19.73 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0830MBS01

Tot Ion: 73 Resp: 208783
Ion Ratio Lower Upper
73 100
57 23.0 17.1 25.7

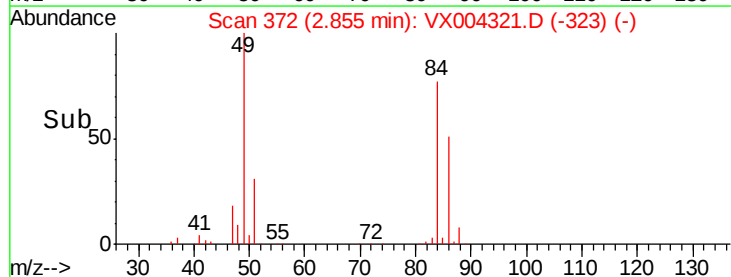
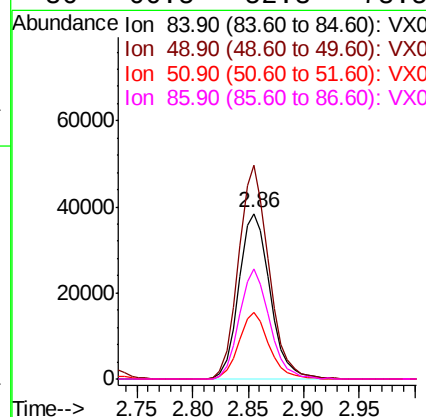
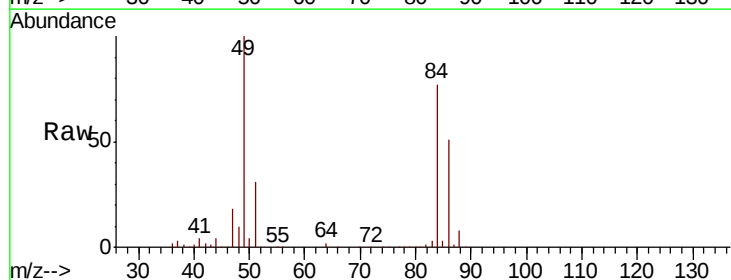
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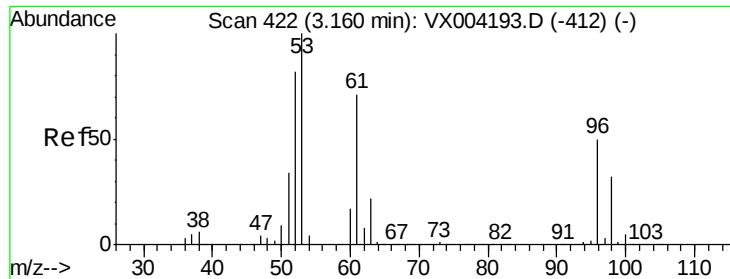
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#20
Methylene Chloride
Concen: 19.55 ug/l
RT: 2.86 min Scan# 372
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Tgt Ion: 84 Resp: 74330
Ion Ratio Lower Upper
84 100
49 129.0 101.2 151.8
51 40.3 29.5 44.3
86 66.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.31 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0830MBS01

Tot Ion: 96 Resp: 65072

Ion Ratio Lower Upper

96 100

61 136.0 113.8 170.6

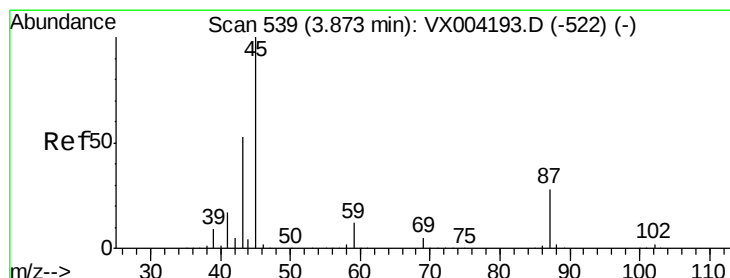
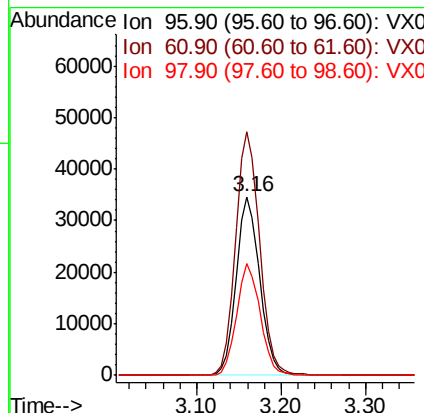
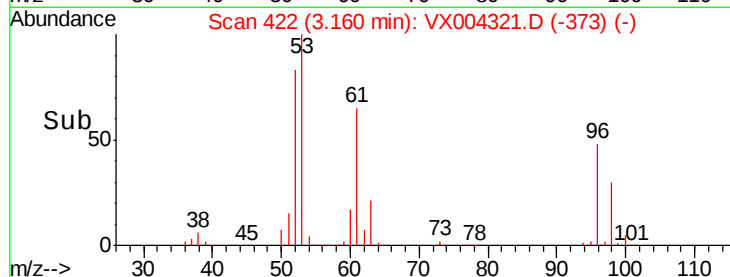
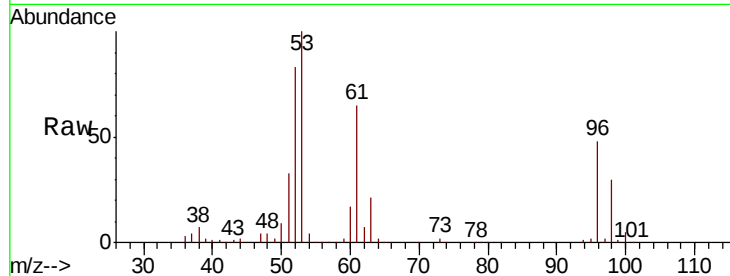
98 62.6 51.8 77.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.76 ug/l

RT: 3.87 min Scan# 539

Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Tgt Ion: 45 Resp: 217619

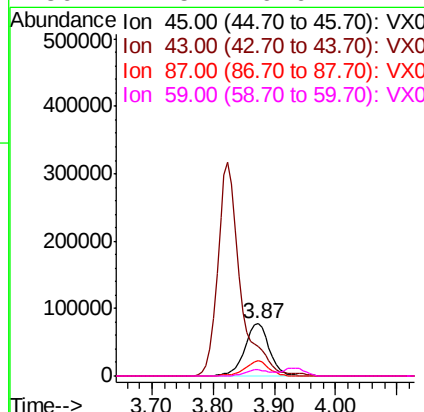
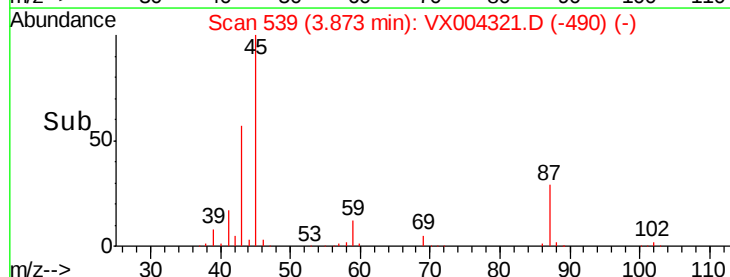
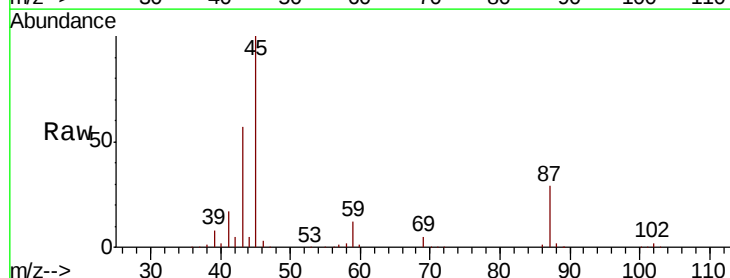
Ion Ratio Lower Upper

45 100

43 56.6 42.8 64.2

87 28.9 22.6 34.0

59 11.5 9.6 14.4





#23

Vinyl Acetate

Concen: 92.42 ug/l

RT: 3.82 min Scan# 531

Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0830MBS01

Tot Ion: 43 Resp: 824991

Ion Ratio Lower Upper

43 100

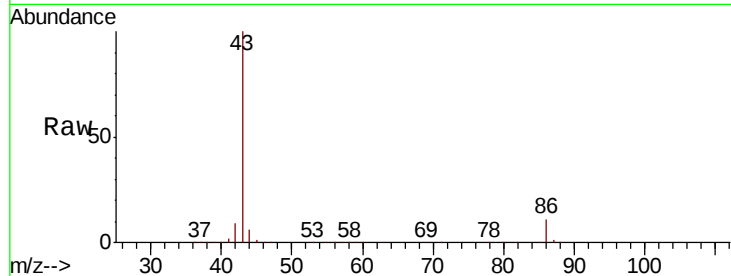
86 11.1 8.9 13.3

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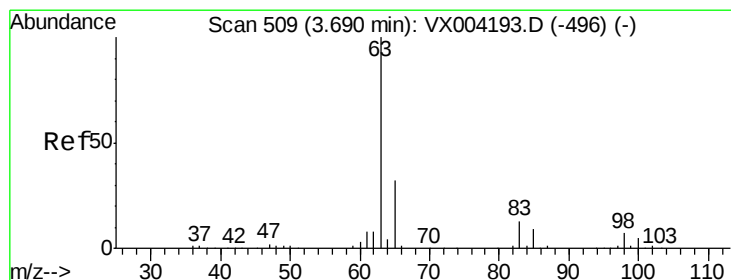
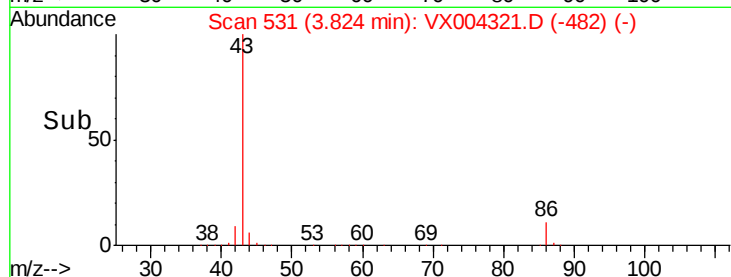
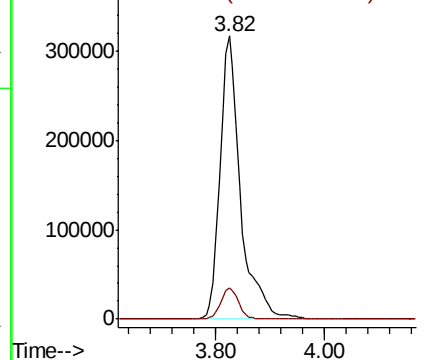
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 19.86 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.01 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

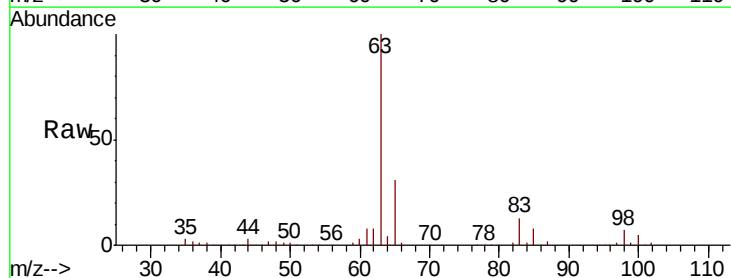
Tgt Ion: 63 Resp: 127489

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

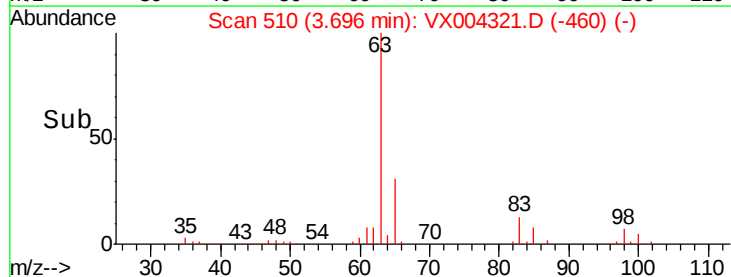
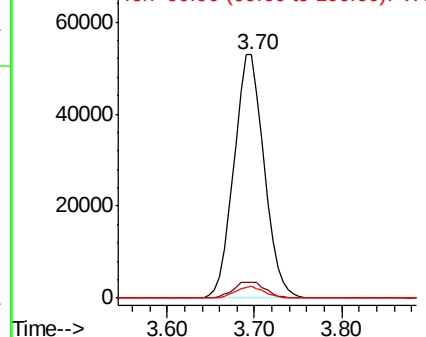
100 4.7 2.4 7.1

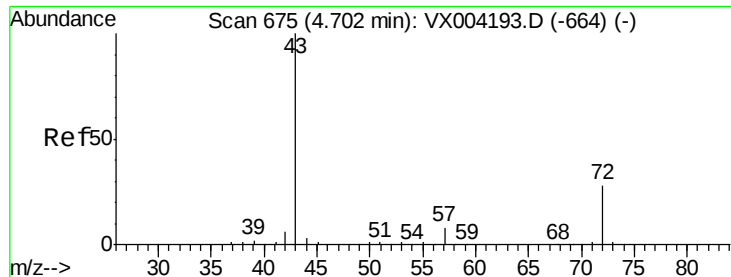


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 101.03 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampled :

VX0830MBS01

Tot Ion: 43 Resp: 271900

Ion Ratio Lower Upper

43 100

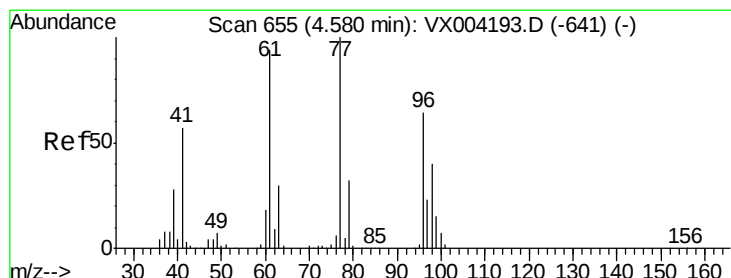
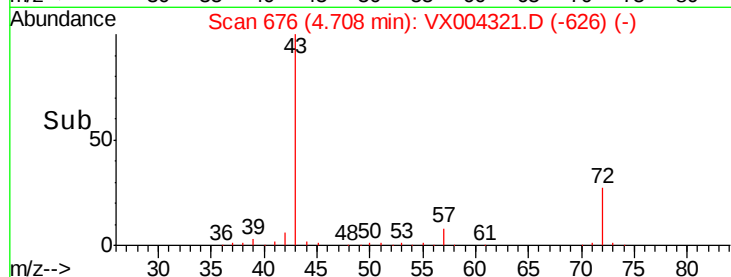
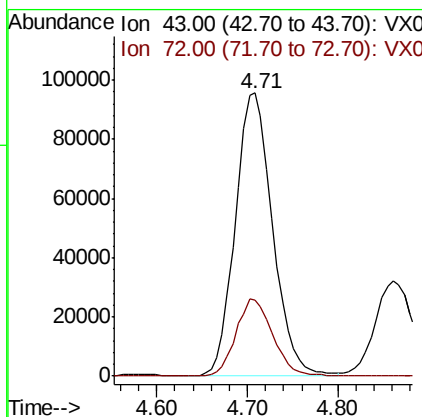
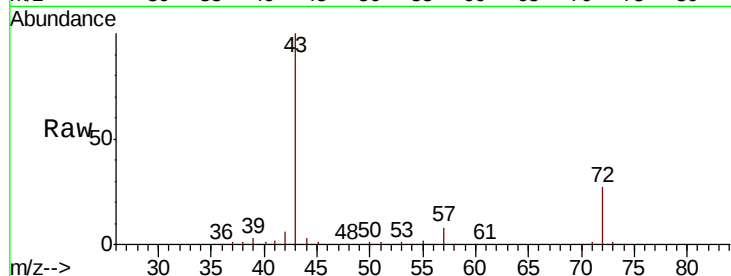
72 27.0 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.23 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.00 min

Lab File: VX004321.D

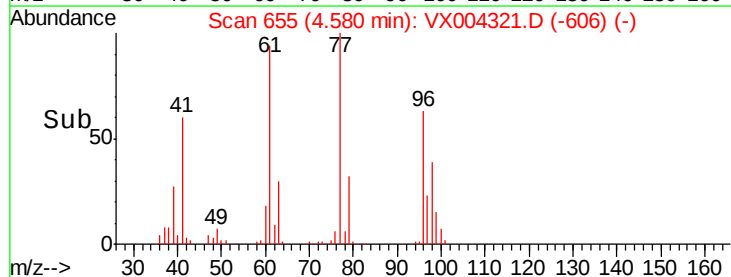
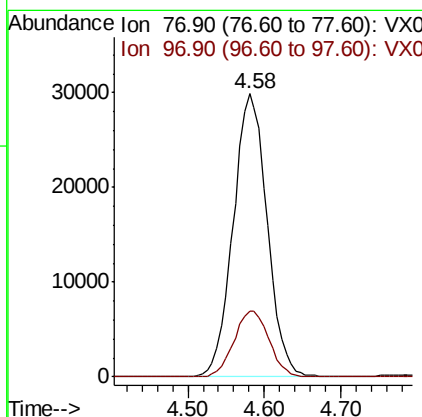
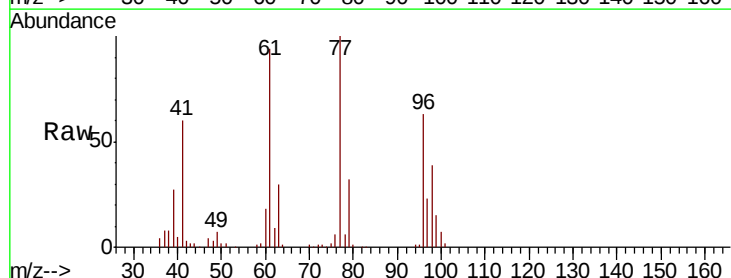
Acq: 30 Aug 2018 14:29

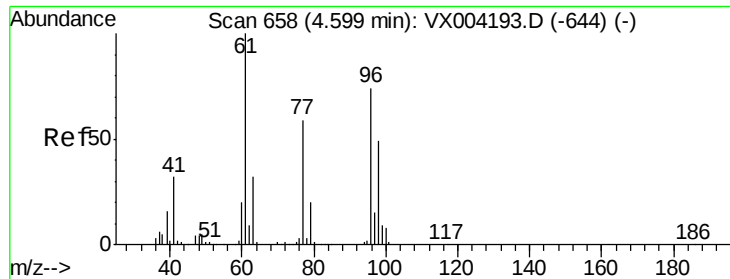
Tgt Ion: 77 Resp: 91787

Ion Ratio Lower Upper

77 100

97 24.1 11.7 35.0





#27

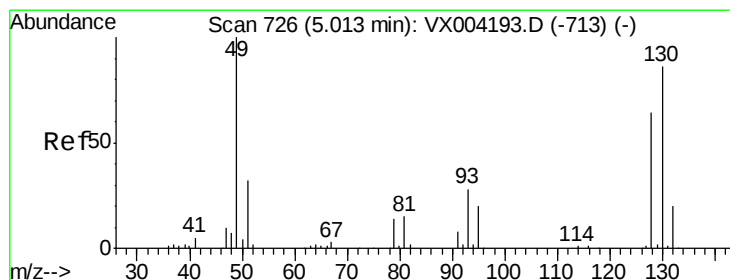
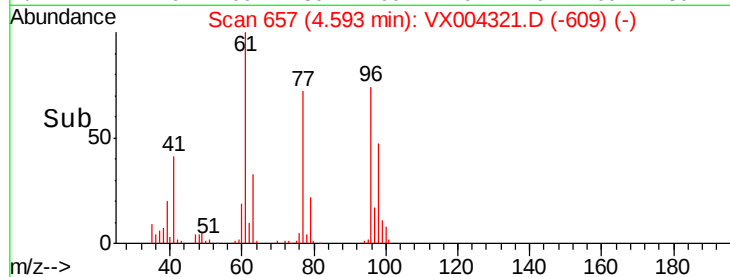
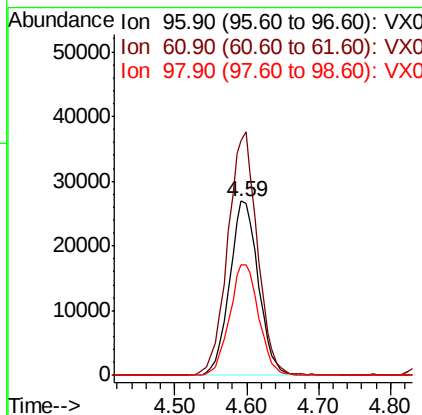
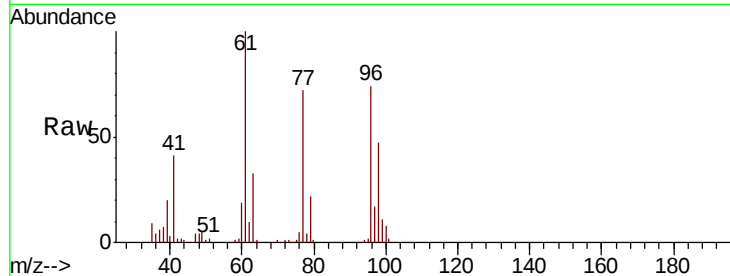
cis-1,2-Dichloroethene
 Concen: 18.52 ug/l
 RT: 4.59 min Scan# 657
 Delta R.T. -0.01 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.4	0.0	282.6
98	64.5	0.0	130.2

Manual Integrations
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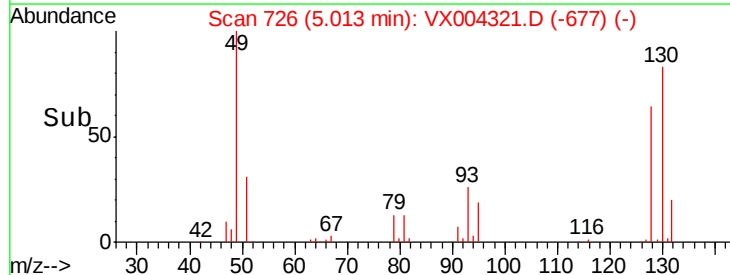
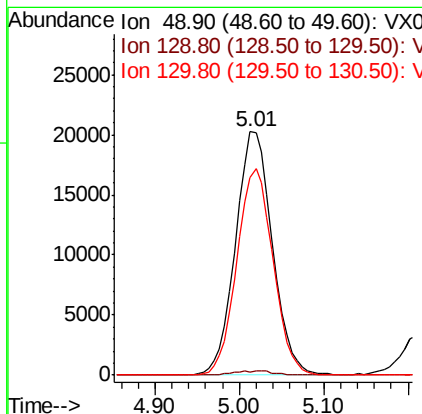
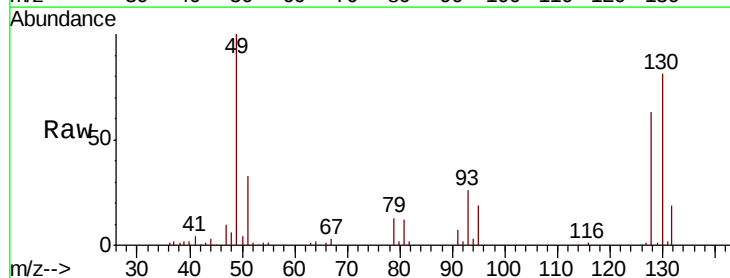
MMDadoda
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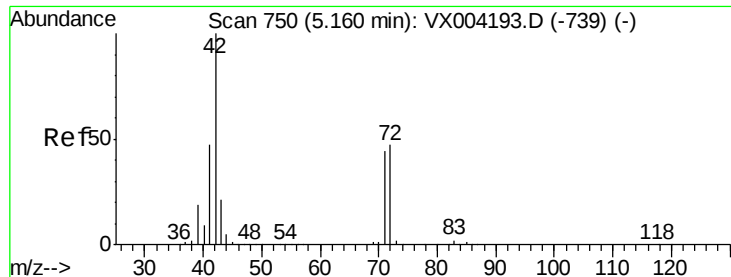


#28

Bromochloromethane
 Concen: 21.15 ug/l
 RT: 5.01 min Scan# 726
 Delta R.T. -0.00 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.2
130	83.1	67.5	101.3





#29

Tetrahydrofuran

Concen: 99.74 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Instrument :

MSVOA_X

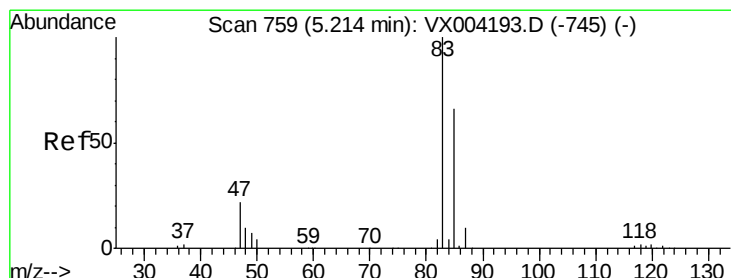
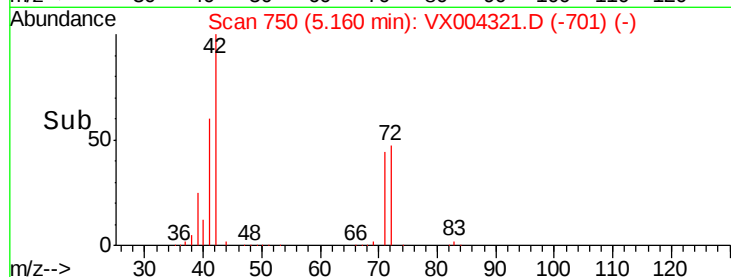
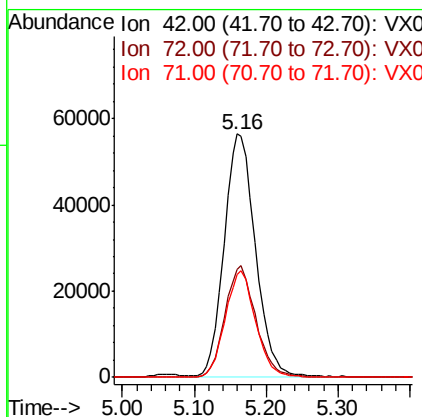
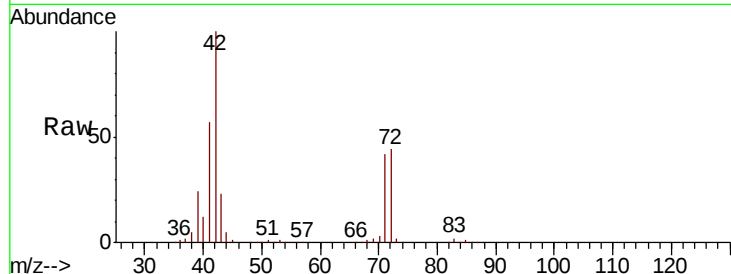
ClientSampleId :

VX0830MBS01

Tot Ion:	42	Resp:	169273
Ion	Ratio	Lower	Upper
42	100		
72	45.5	37.4	56.0
71	42.9	34.5	51.7

Manual Integrations
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#30

Chloroform

Concen: 19.49 ug/l

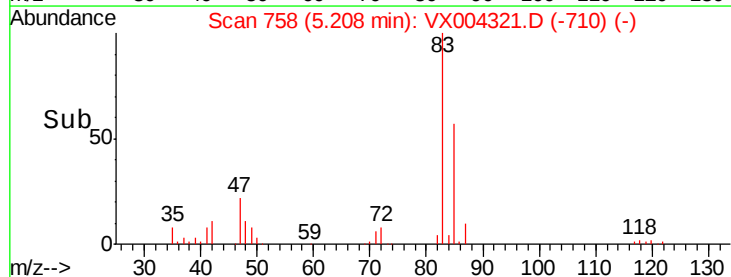
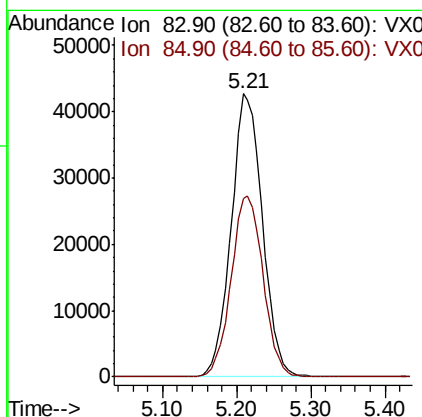
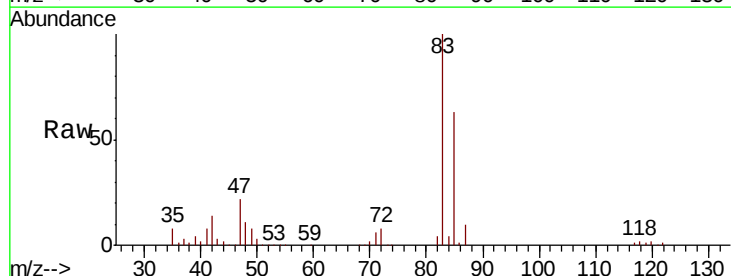
RT: 5.21 min Scan# 758

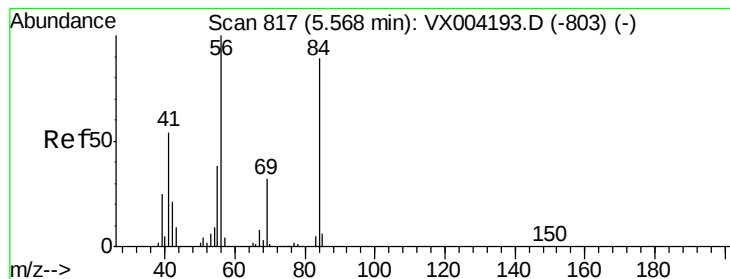
Delta R.T. -0.01 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Tgt Ion:	83	Resp:	125415
Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.6	79.0





#31

Cyclohexane

Concen: 18.46 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Instrument :

MSVOA_X

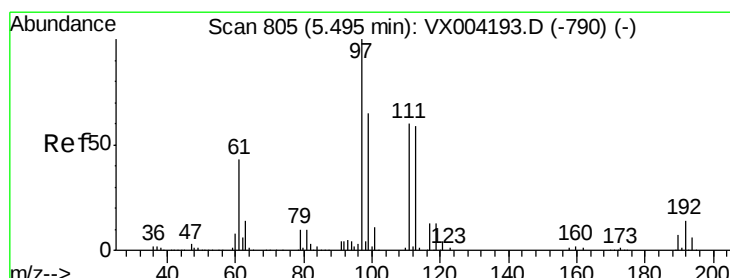
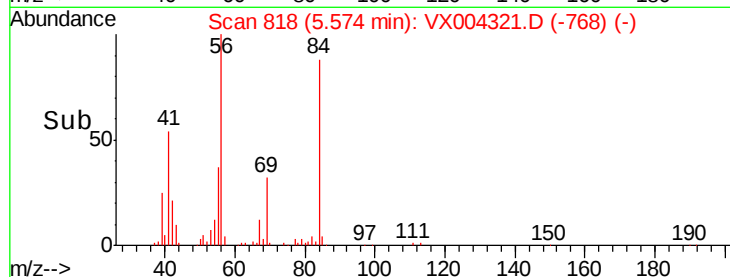
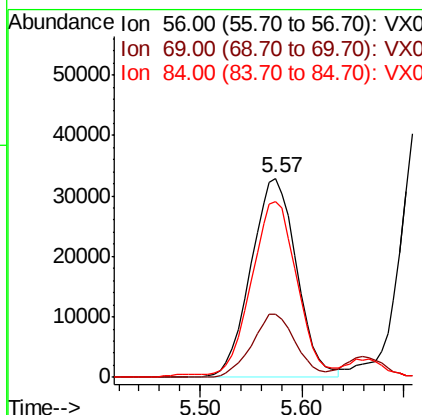
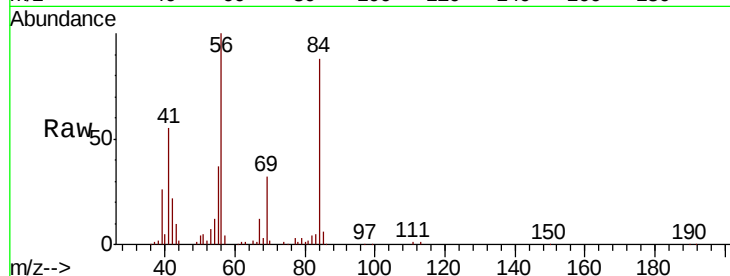
ClientSampleId :

VX0830MBS01

Tot Ion:	56	Resp:	102237
Ion Ratio	Lower	Upper	
56	100		
69	31.7	25.4	38.2
84	86.5	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 19.00 ug/l

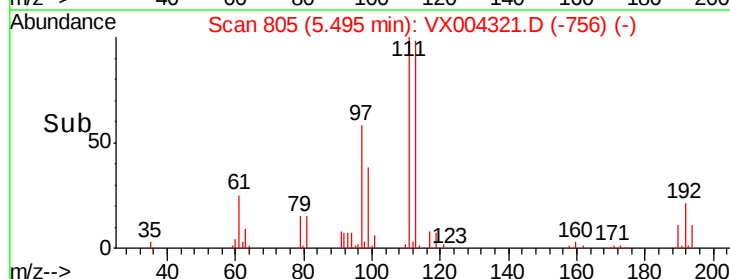
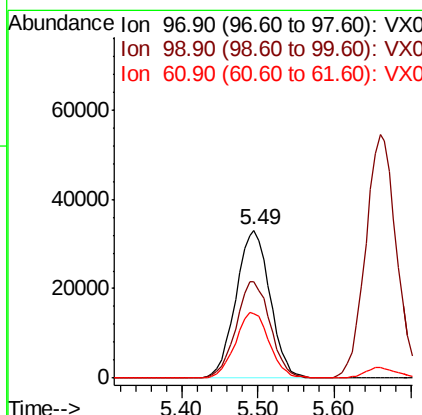
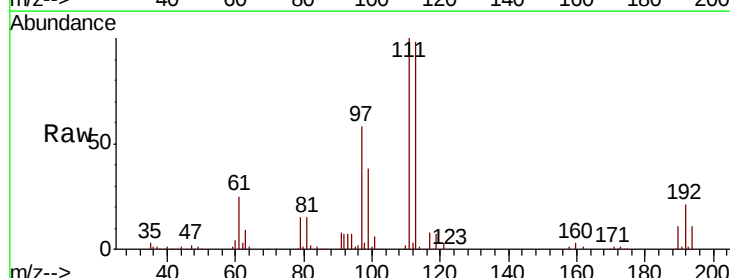
RT: 5.49 min Scan# 805

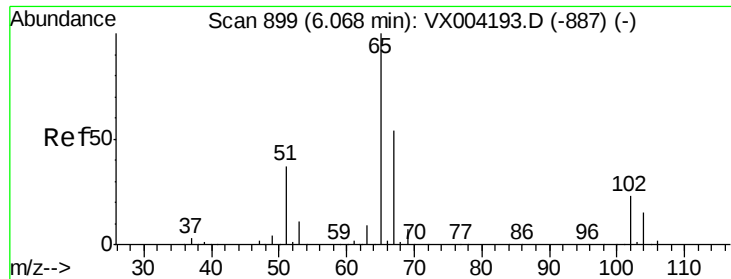
Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Tgt Ion:	97	Resp:	101944
Ion Ratio	Lower	Upper	
97	100		
99	65.5	52.0	78.0
61	44.5	34.9	52.3





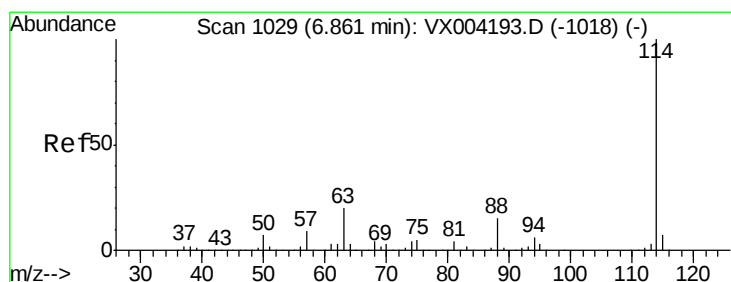
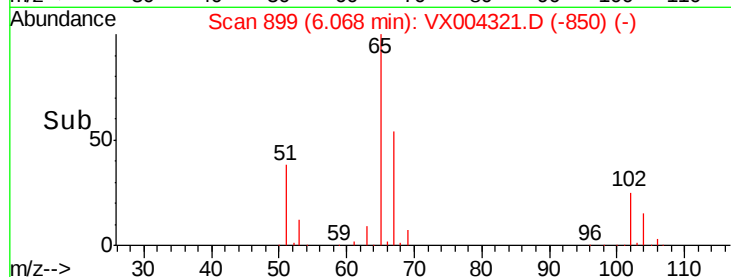
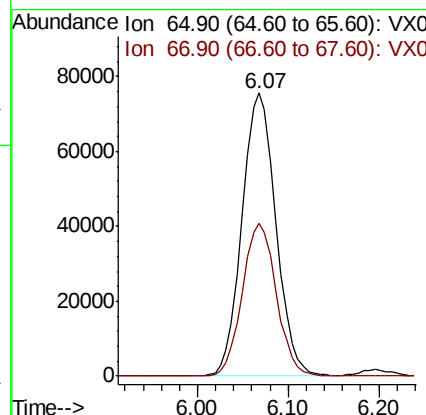
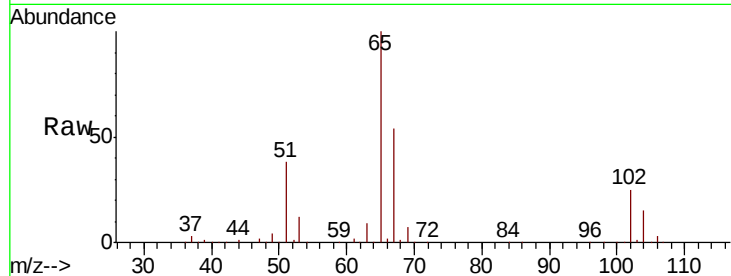
#33
 1,2-Dichloroethane-d4
 Concen: 49.62 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	196001		
67	54.1	0.0	106.8	

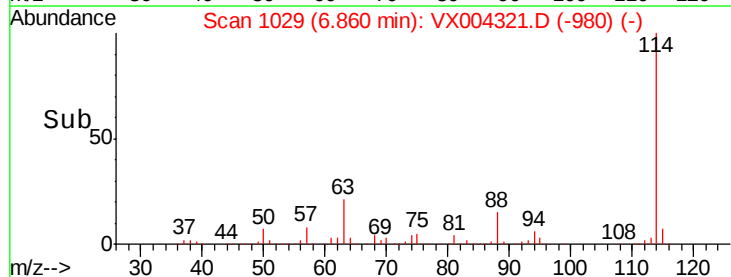
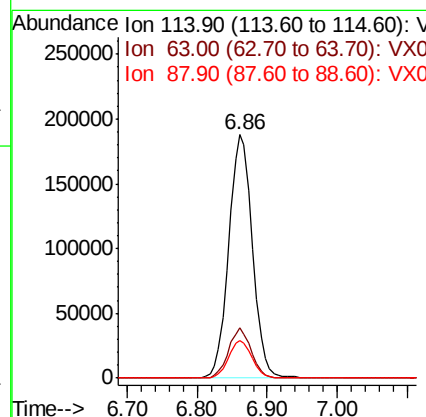
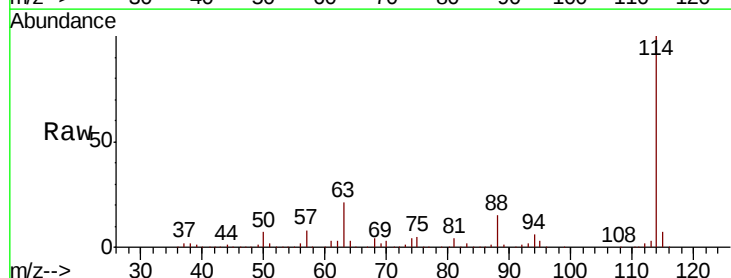
Manual Integrations
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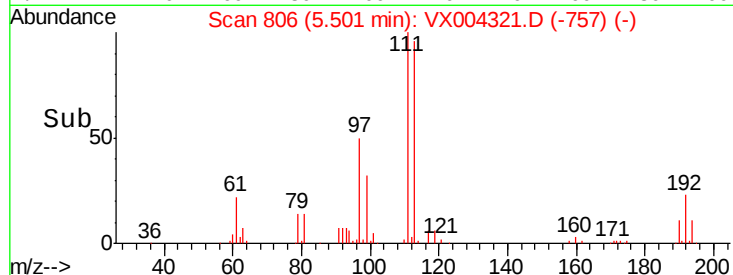
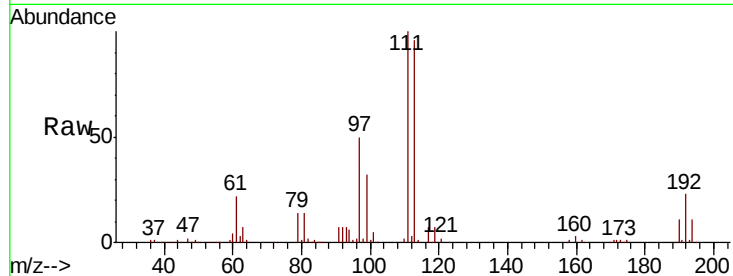
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 8/31/2018 4:30:08 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	440313		
63	20.6	0.0	39.0	
88	15.5	0.0	30.4	





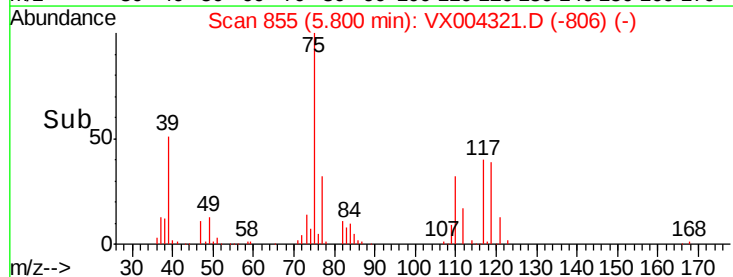
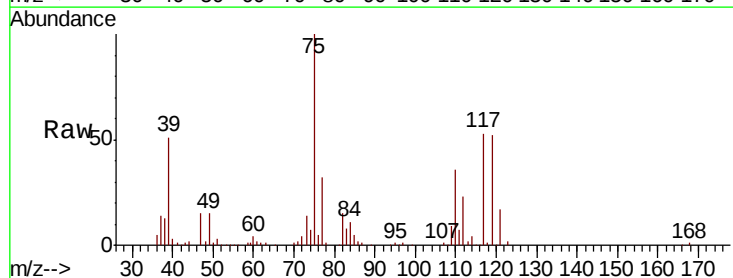
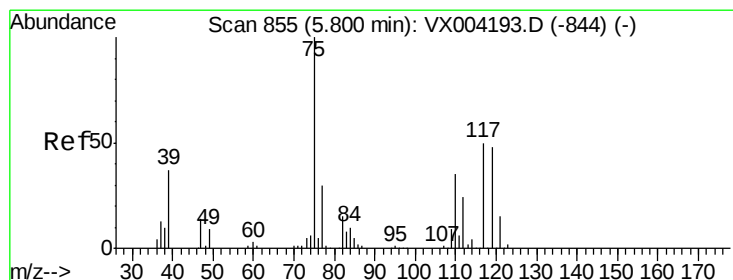
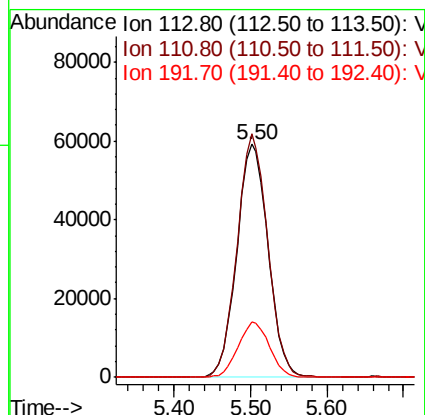
#35
Dibromofluoromethane
Concen: 51.20 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Tot Ion	Ratio	Resp	Lower	Upper
113	100	167698		
111	102.4	82.4	123.6	
192	23.7	19.4	29.2	

Instrument :
MSVOA_X
ClientSampleId :
VX0830MBS01

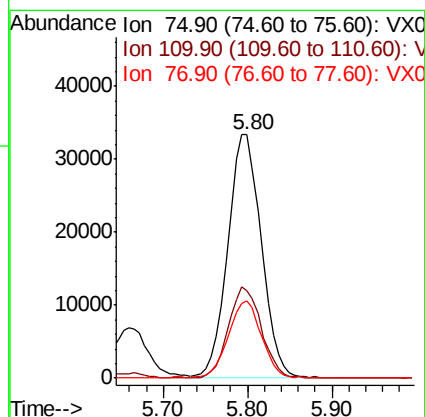
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#36
1,1-Dichloropropene
Concen: 18.20 ug/l
RT: 5.80 min Scan# 855
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	90079		
110	36.8	18.0	54.0	
77	31.6	24.6	36.8	





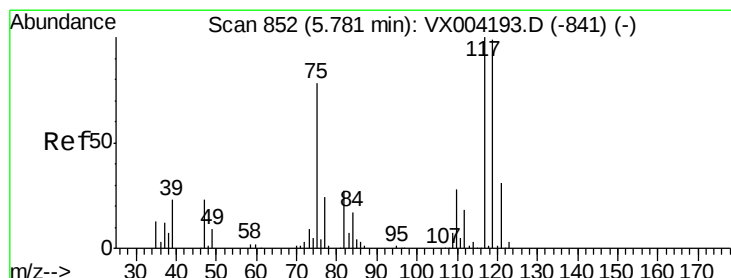
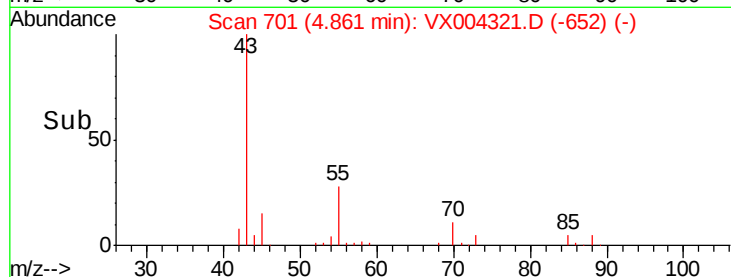
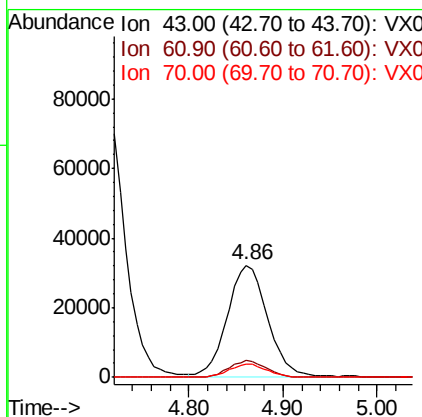
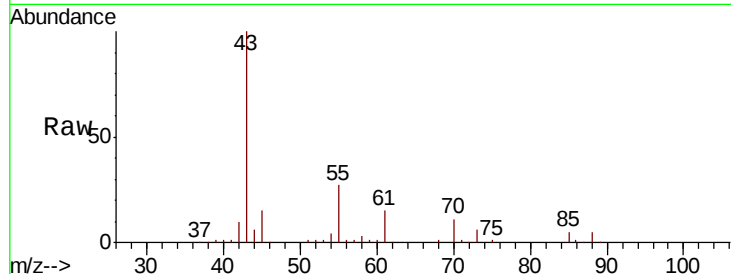
#37
Ethyl Acetate
Concen: 19.43 ug/l
RT: 4.86 min Scan# 701
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0830MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.5	17.3
70	11.6	9.0	13.6

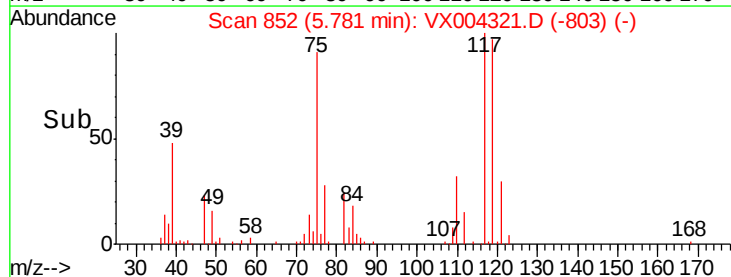
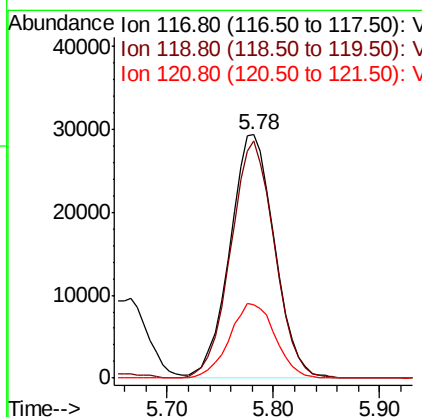
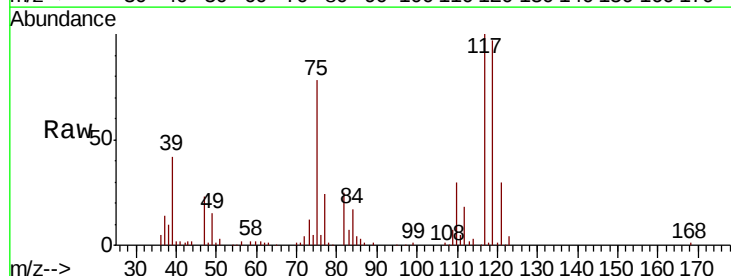
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 18.55 ug/l
RT: 5.78 min Scan# 852
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	78.8	118.2
121	30.3	24.9	37.3





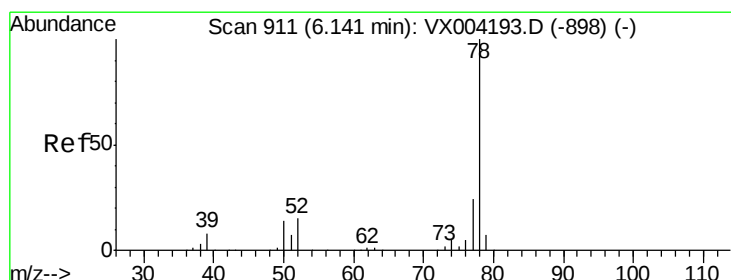
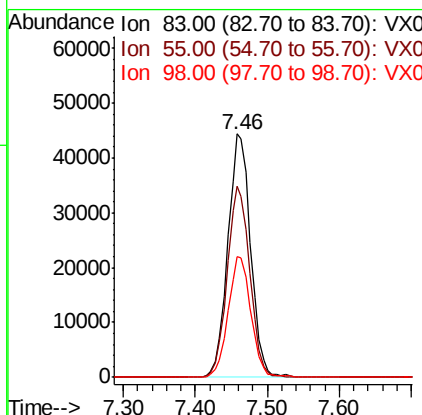
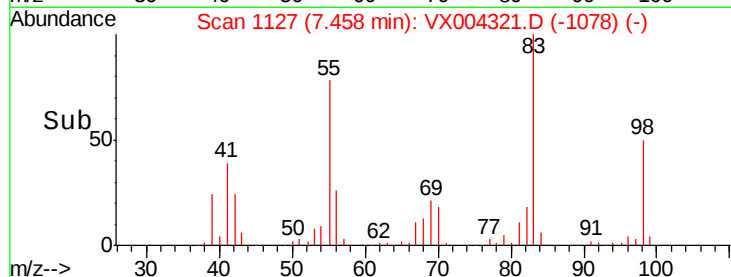
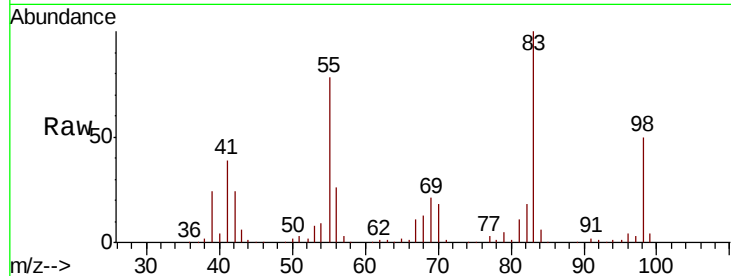
#39
Methvlcvclohexane
Concen: 17.25 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0830MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.4	61.0	91.4
98	49.6	39.6	59.4

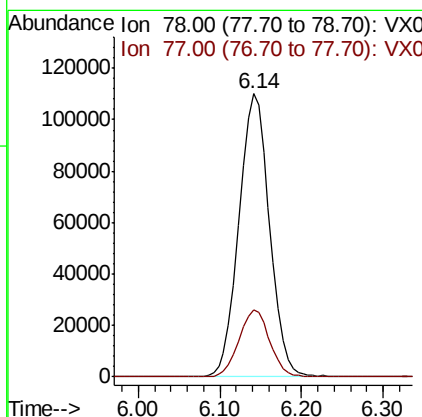
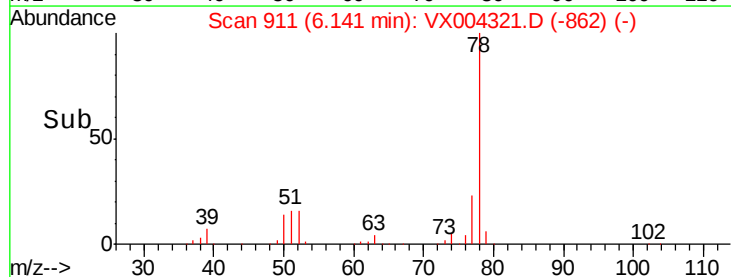
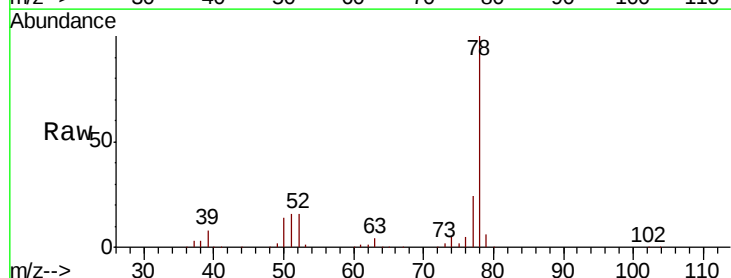
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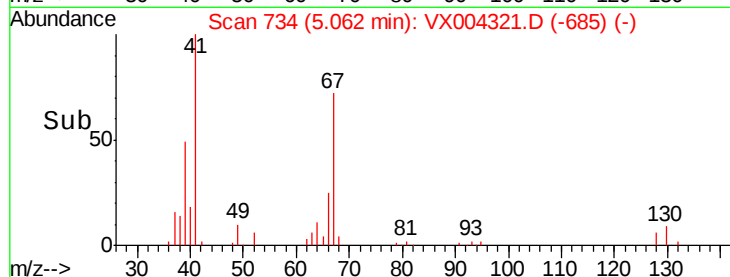
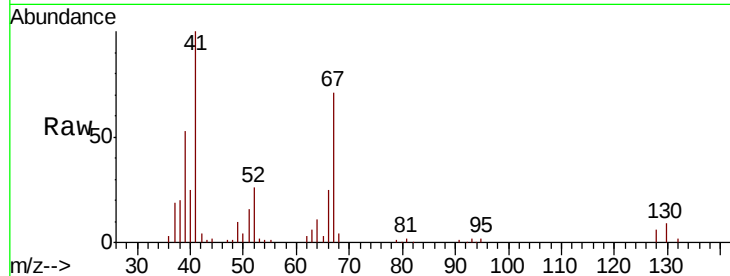
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#40
Benzene
Concen: 19.36 ug/l
RT: 6.14 min Scan# 911
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4





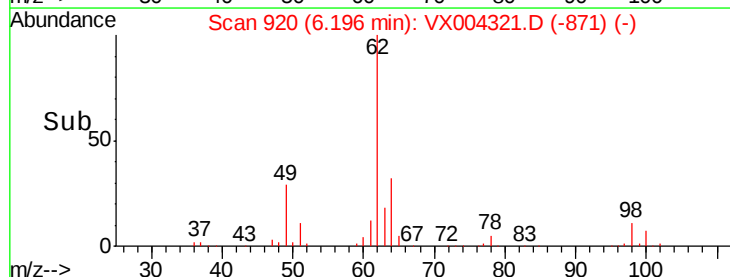
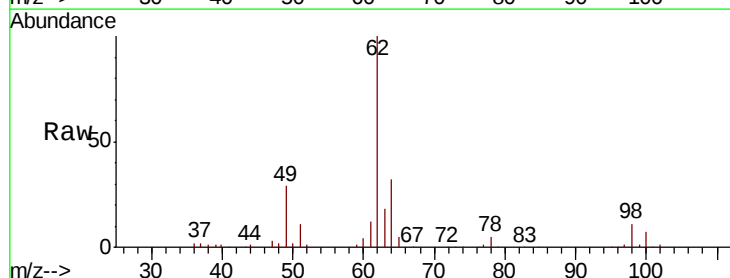
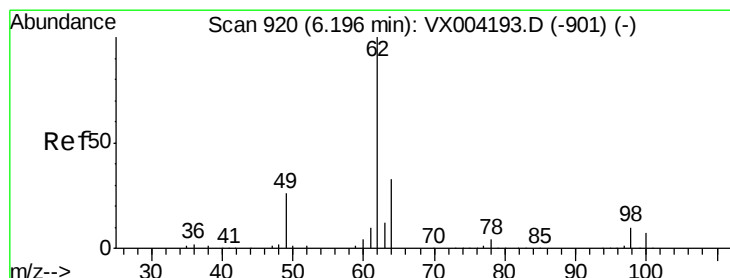
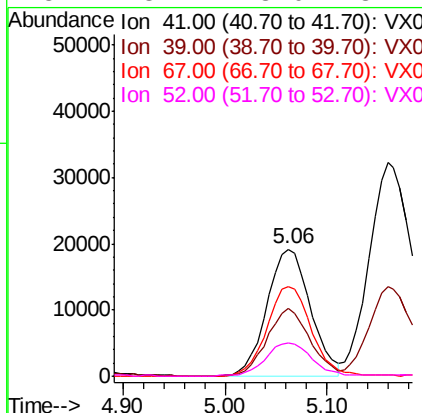
#41
Methacrylonitrile
Concen: 20.17 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		56913		
39	52.7	42.4	63.6		
67	72.3	59.2	88.8		
52	28.4	23.0	34.4		

Instrument :
MSVOA_X
ClientSampleId :
VX0830MBS01

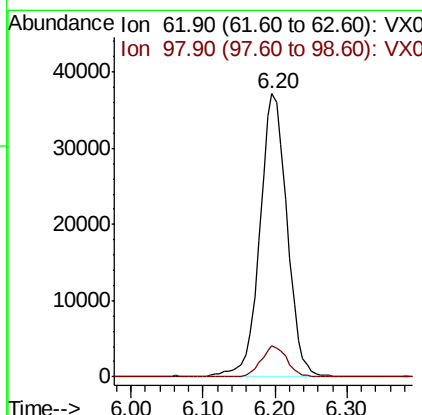
Manual Integrations
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#42
1,2-Dichloroethane
Concen: 19.34 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		97553		
98	10.4	0.0	20.6		





#43

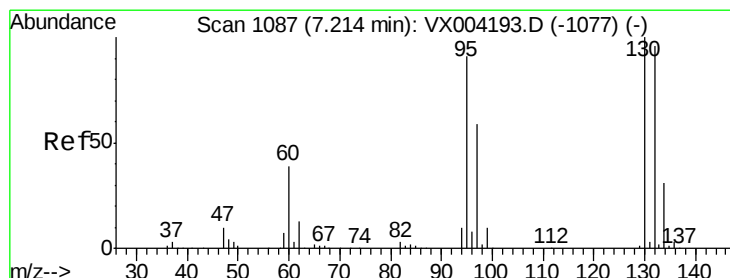
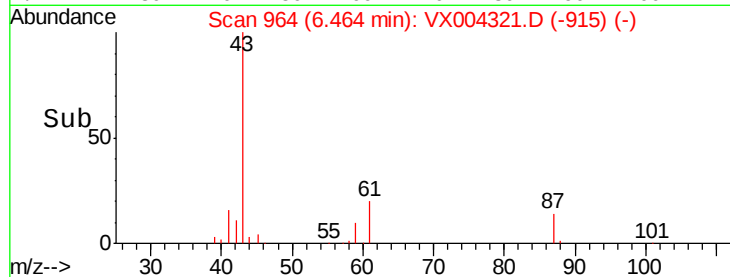
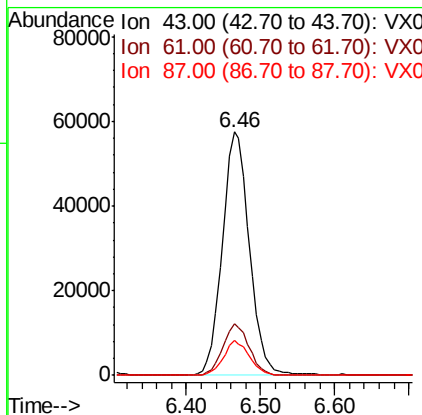
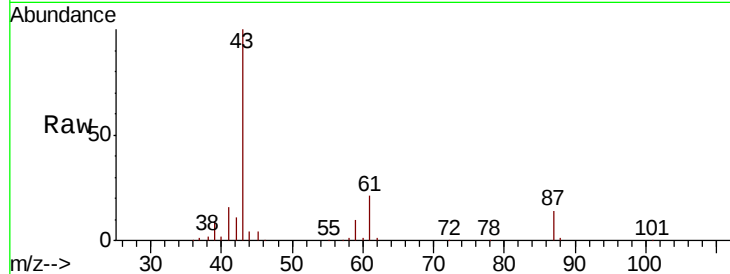
Isopropyl Acetate
 Concen: 19.35 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.8	17.0	25.4
87	13.9	11.4	17.2

Manual Integrations
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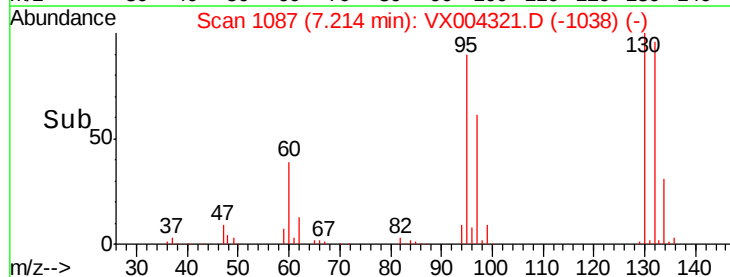
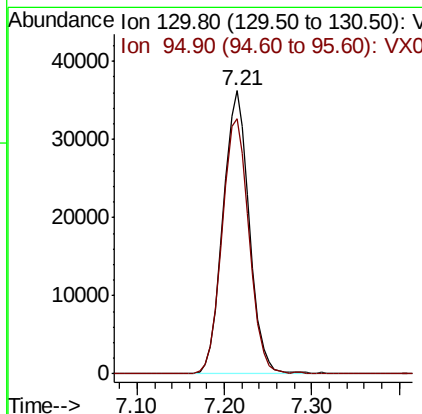
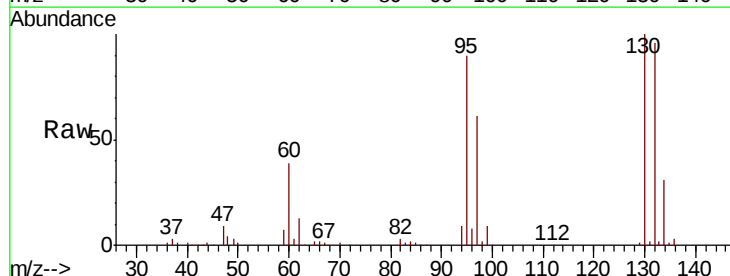
MMDadoda
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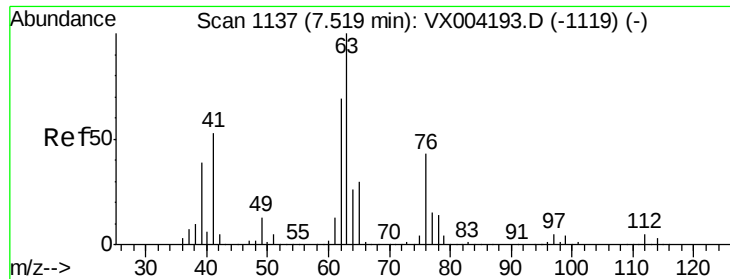


#44

Trichloroethene
 Concen: 18.42 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. -0.00 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	181.6





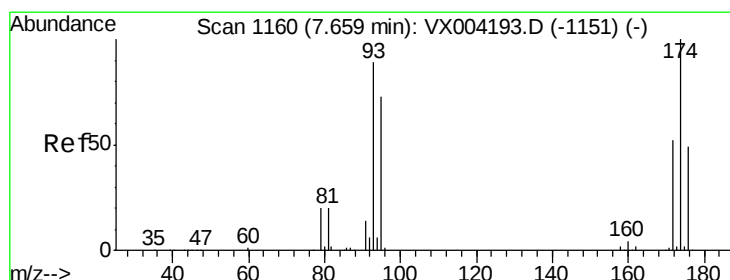
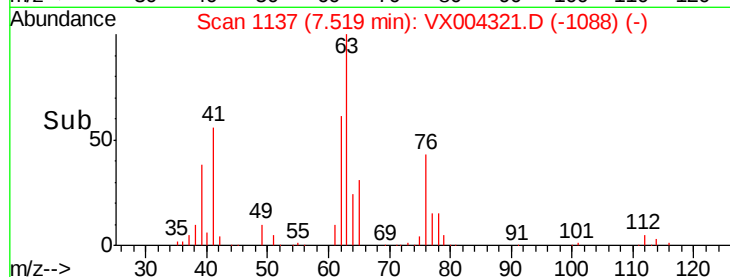
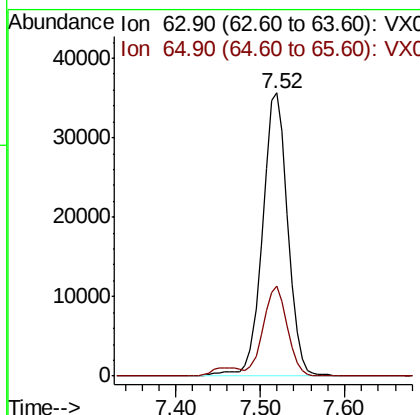
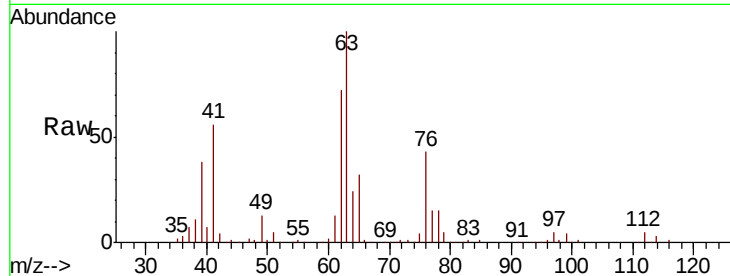
#45
 1,2-Dichloropropane
 Concen: 19.89 ug/l
 RT: 7.52 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830MBS01

Tot Ion	63	Resp	73621
Ion Ratio	100	Lower	Upper
63	100		
65	32.0	24.3	36.5

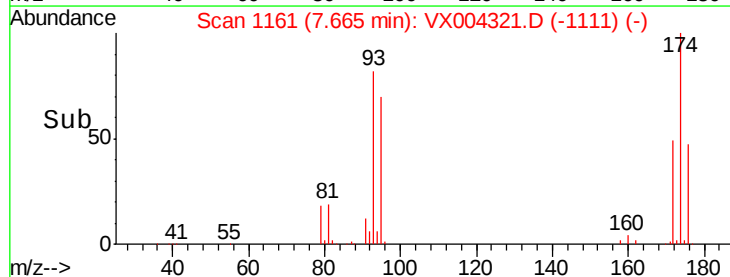
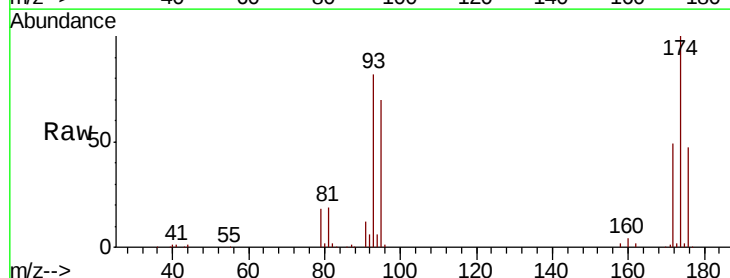
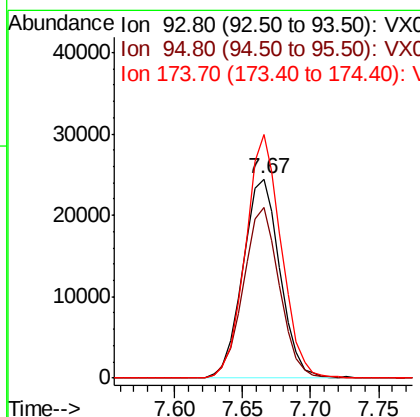
Manual Integrations
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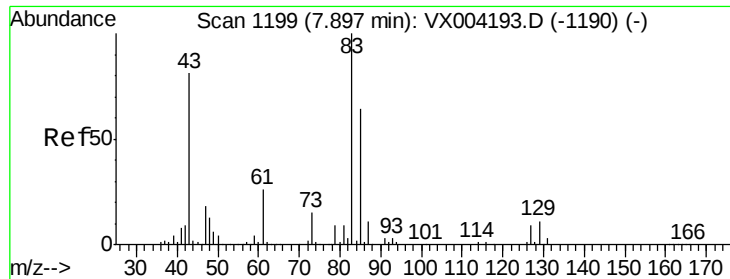
MMDadoda
 8/31/2018 4:30:08 PM



#46
 Dibromomethane
 Concen: 18.97 ug/l
 RT: 7.67 min Scan# 1161
 Delta R.T. 0.01 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Tgt Ion	93	Resp	46759
Ion Ratio	100	Lower	Upper
93	100		
95	83.7	65.5	98.3
174	117.9	94.2	141.4





#47

Bromodichloromethane

Concen: 19.10 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Instrument :

MSVOA_X

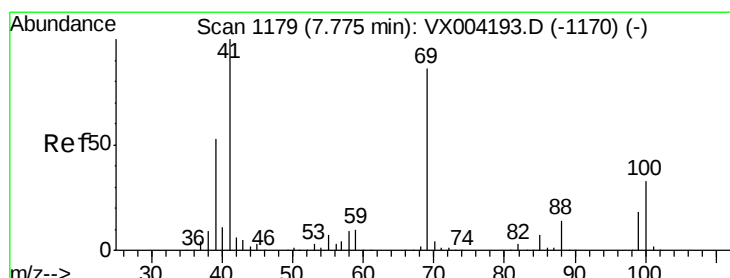
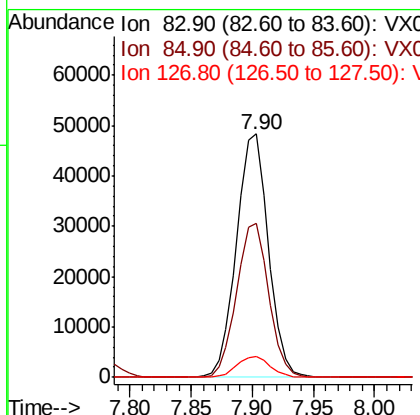
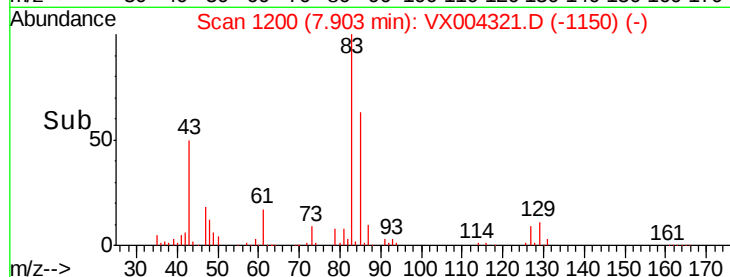
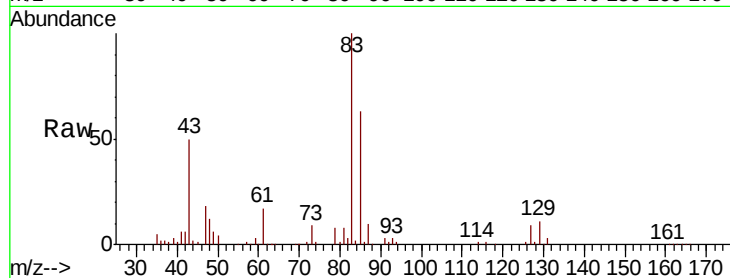
ClientSampleId :

VX0830MBS01

Tot Ion:	83	Resp:	87588
Ion	Ratio	Lower	Upper
83	100		
85	63.2	50.9	76.3
127	8.8	7.3	10.9

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#48

Methyl methacrylate

Concen: 19.49 ug/l

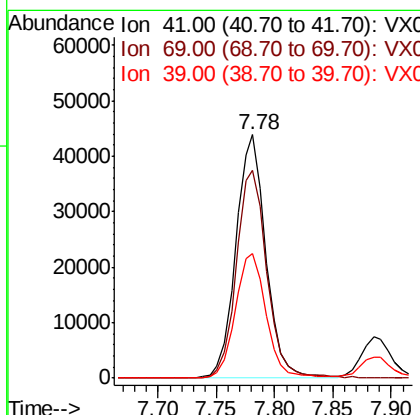
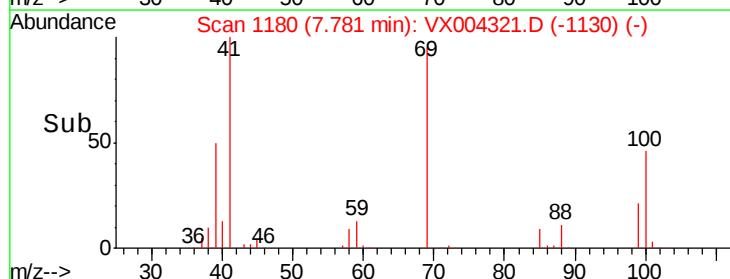
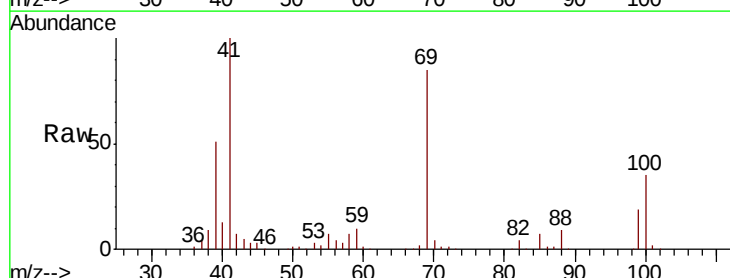
RT: 7.78 min Scan# 1180

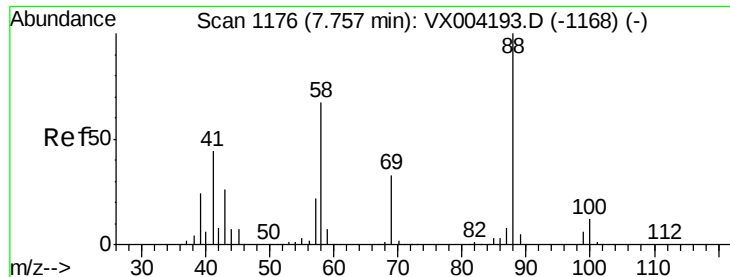
Delta R.T. 0.01 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Tgt Ion:	41	Resp:	78033
Ion	Ratio	Lower	Upper
41	100		
69	87.8	70.2	105.4
39	53.1	42.7	64.1





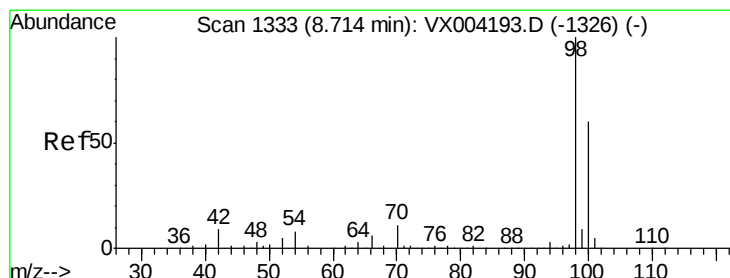
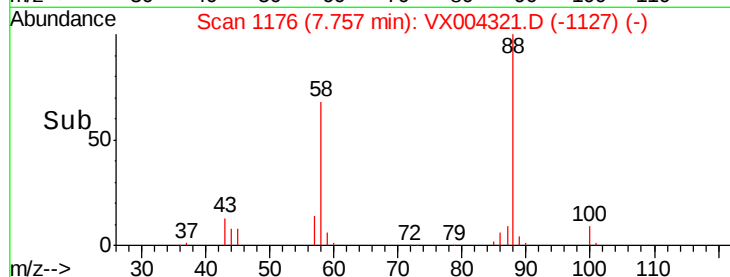
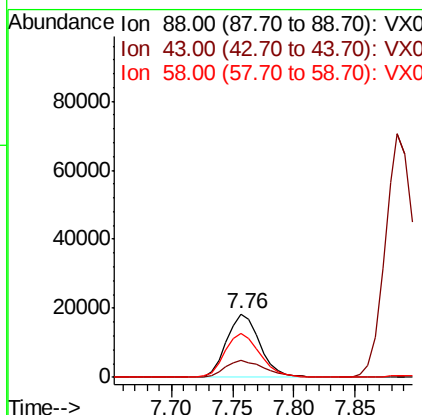
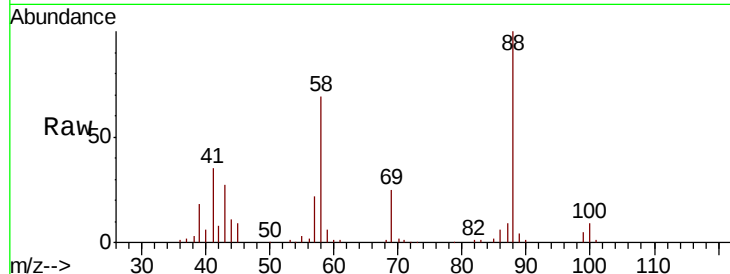
#49
1,4-Dioxane
Concen: 383.55 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0830MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	24.7	37.1
58	72.6	55.3	82.9

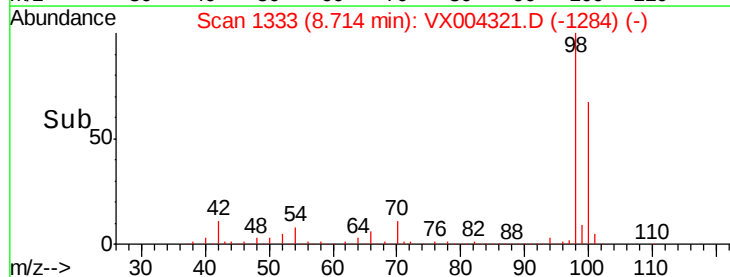
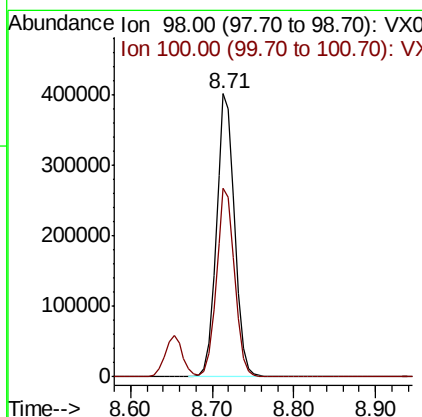
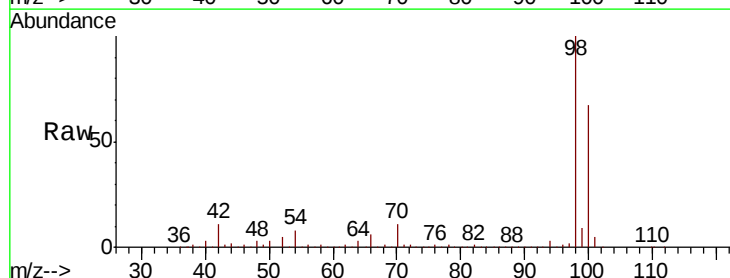
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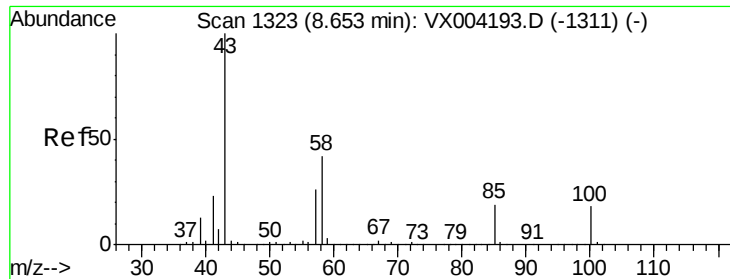
MMDadoda
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#50
Toluene-d8
Concen: 50.72 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 96.85 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0830MBS01

Tot Ion: 43 Resp: 526433

Ion Ratio Lower Upper

43 100

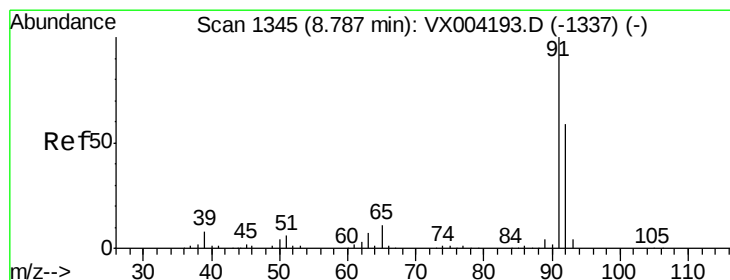
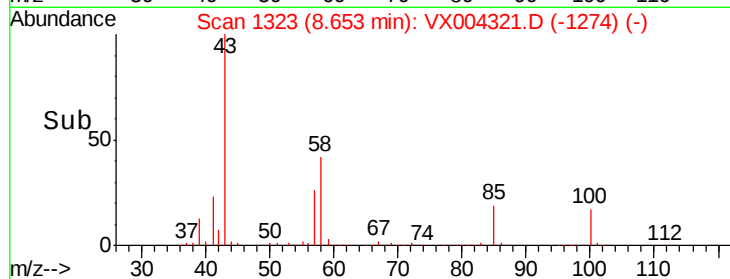
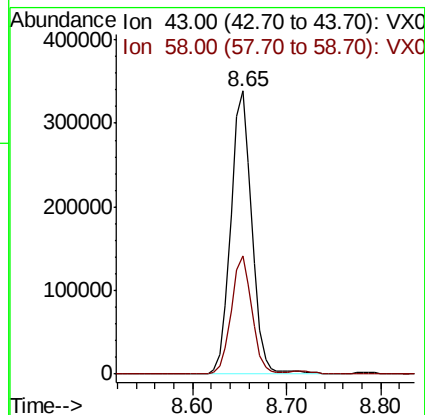
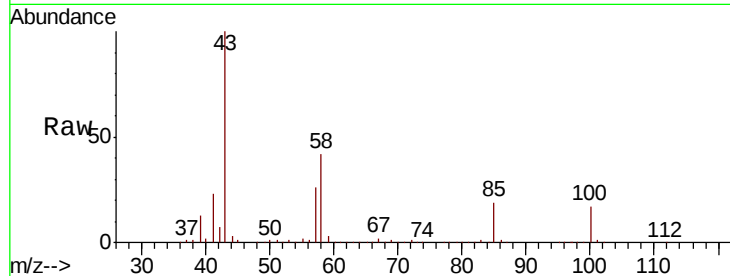
58 40.7 33.1 49.7

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#52

Toluene

Concen: 19.48 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX004321.D

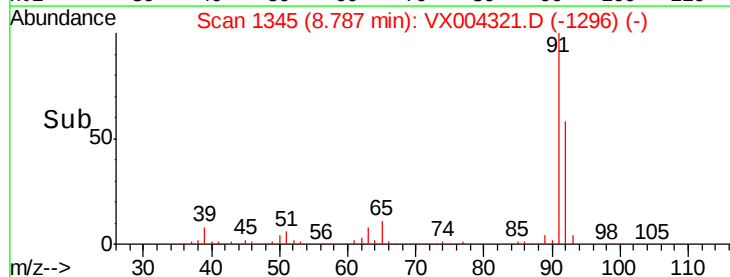
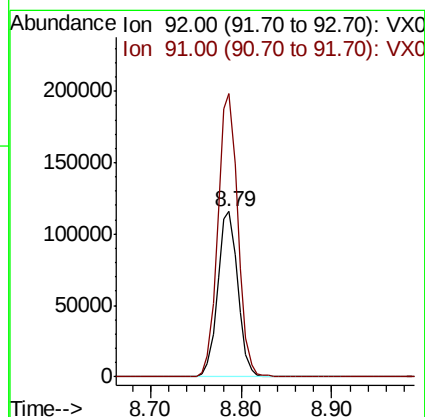
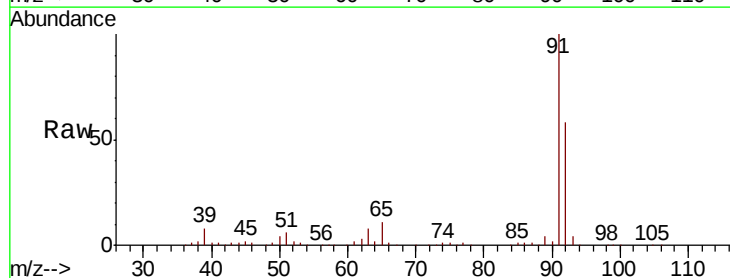
Acq: 30 Aug 2018 14:29

Tgt Ion: 92 Resp: 180338

Ion Ratio Lower Upper

92 100

91 170.5 136.4 204.6





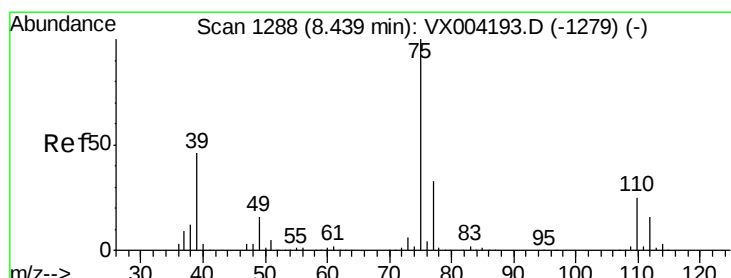
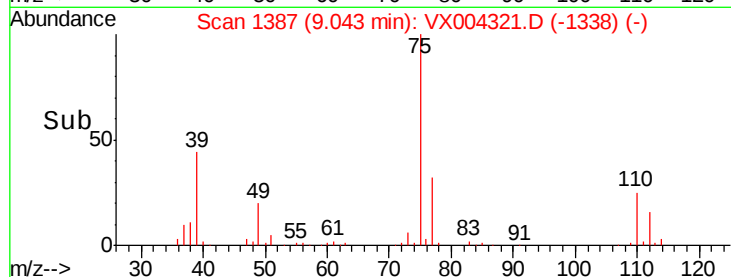
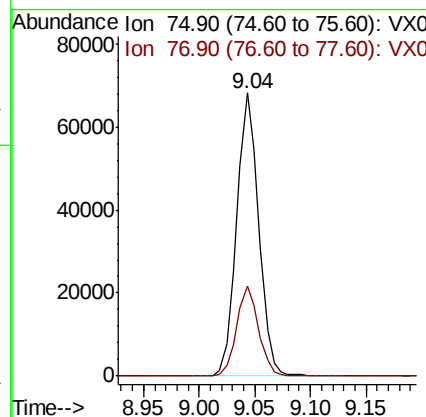
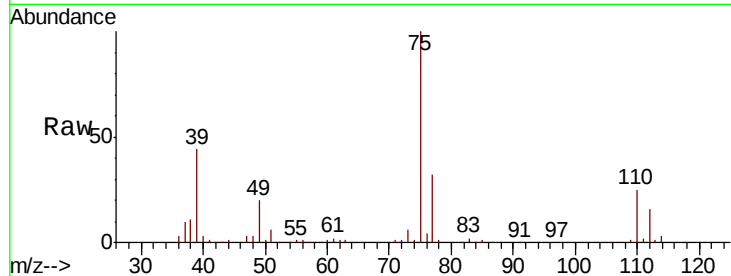
#53
t-1,3-Dichloropropene
Concen: 18.48 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0830MBS01

Tot Ion: 75 Resp: 93618
Ion Ratio Lower Upper
75 100
77 31.7 24.6 37.0

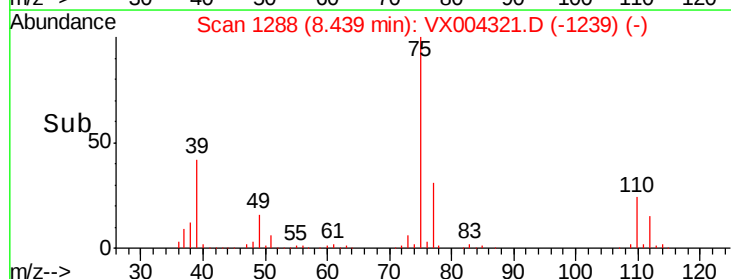
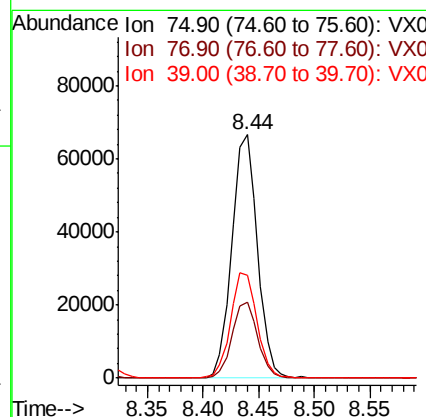
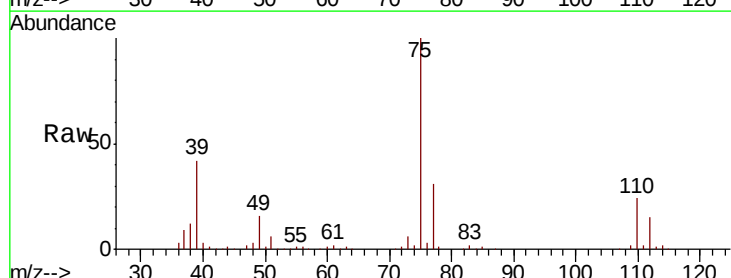
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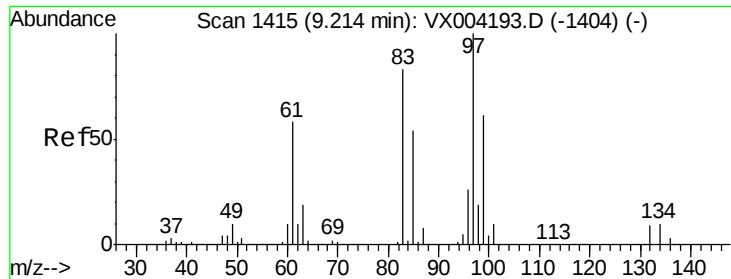
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.21 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Tgt Ion: 75 Resp: 106007
Ion Ratio Lower Upper
75 100
77 31.4 26.2 39.2
39 42.2 36.4 54.6





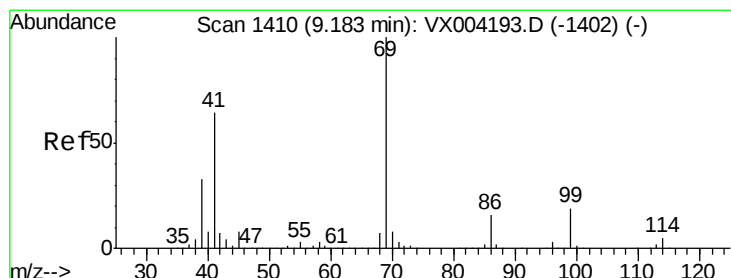
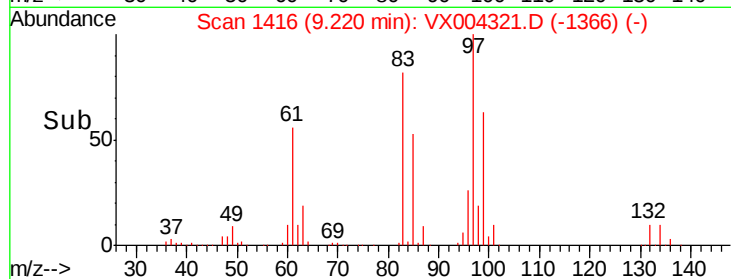
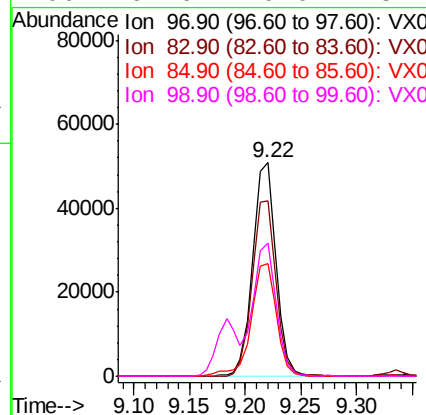
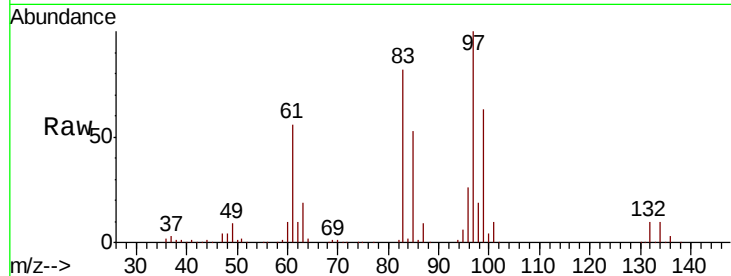
#55
 1,1,2-Trichloroethane
 Concen: 19.91 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.01 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		74424		
83	82.2	66.4	99.6		
85	52.9	43.3	64.9		
99	62.6	49.0	73.4		

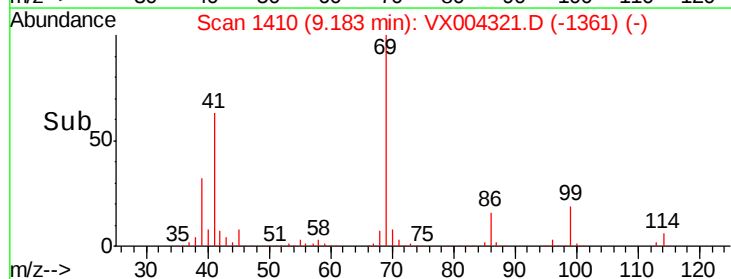
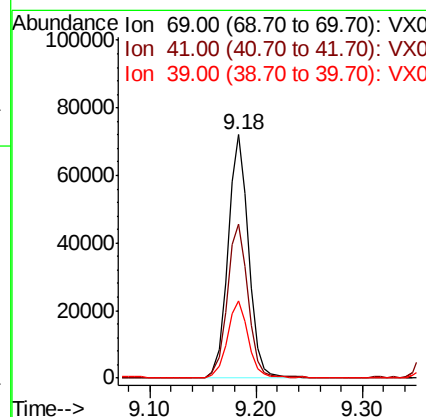
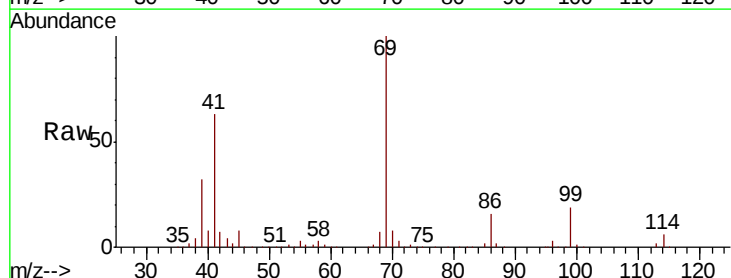
Manual Integrations
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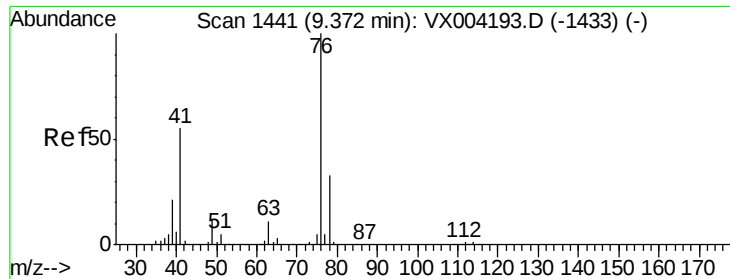
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#56
 Ethyl methacrylate
 Concen: 19.17 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. -0.00 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		97531		
41	64.0	51.0	76.4		
39	31.9	26.1	39.1		





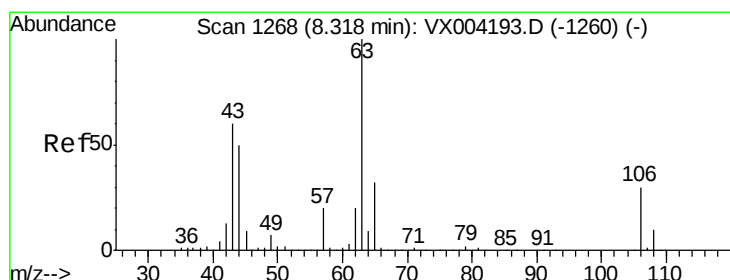
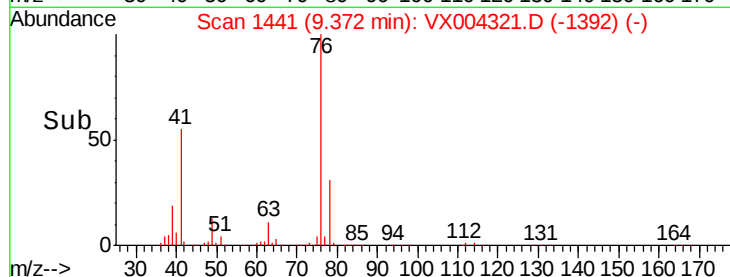
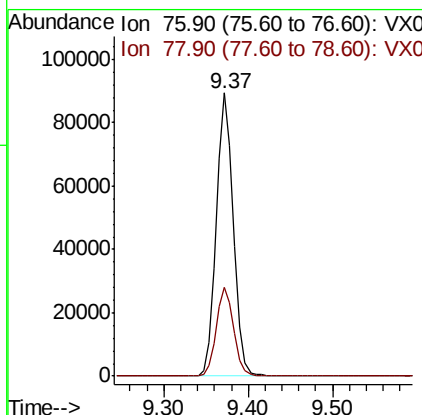
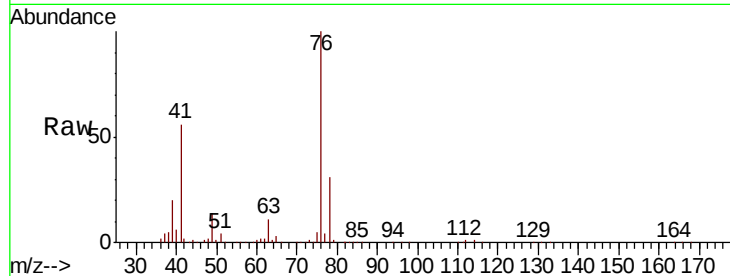
#57
 1,3-Dichloropropane
 Concen: 19.89 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.5	38.3

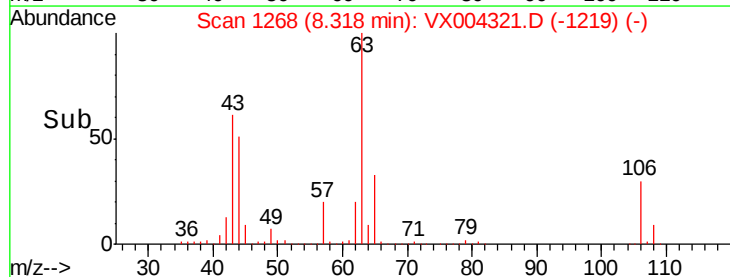
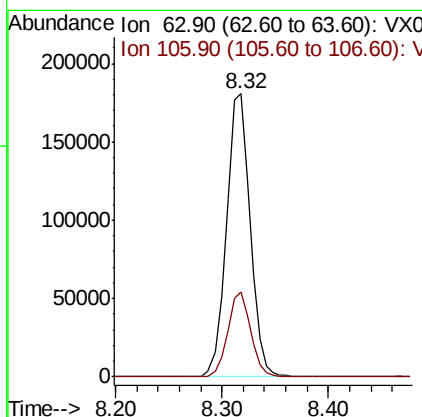
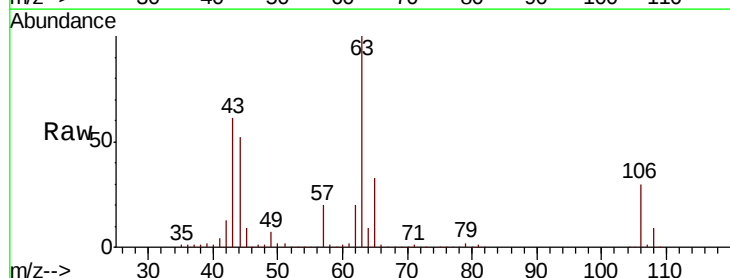
Manual Integrations
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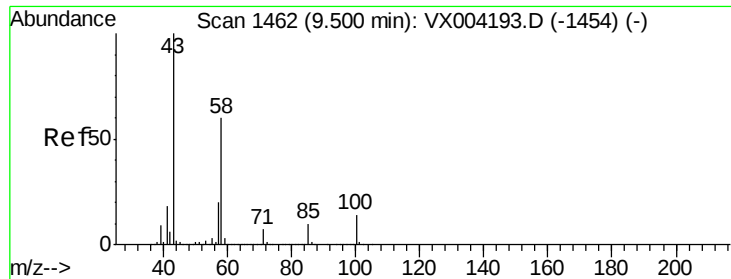
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#58
 2-Chloroethyl Vinyl ether
 Concen: 108.09 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.2	23.9	35.9





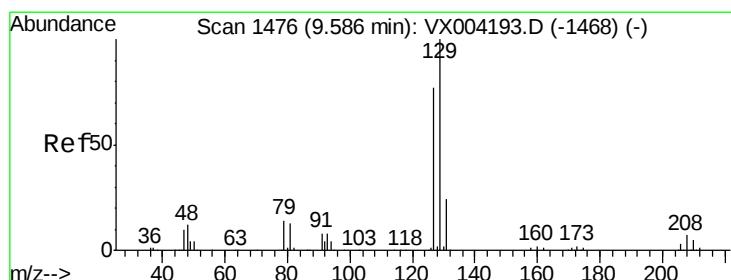
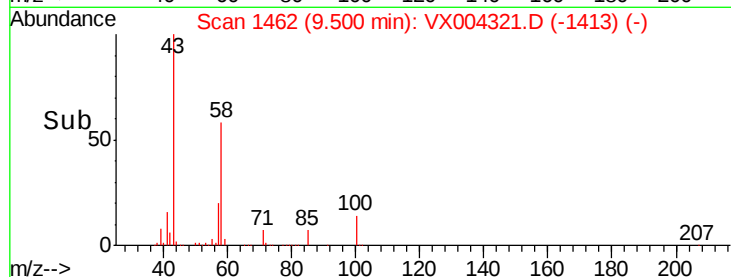
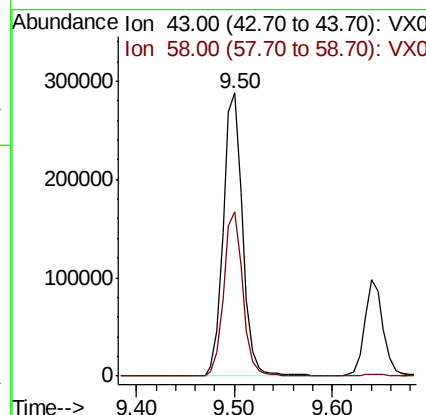
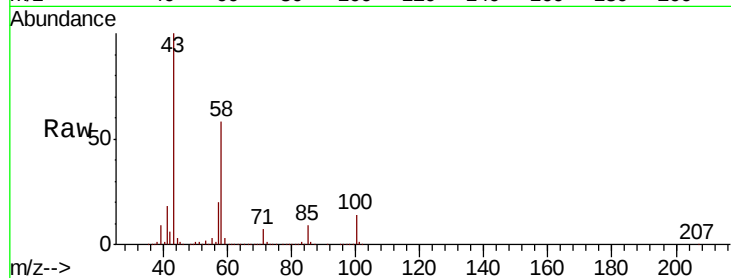
#59
2-Hexanone
Concen: 95.25 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0830MBS01

Tot Ion: 43 Resp: 394964
Ion Ratio Lower Upper
43 100
58 57.3 29.0 87.0

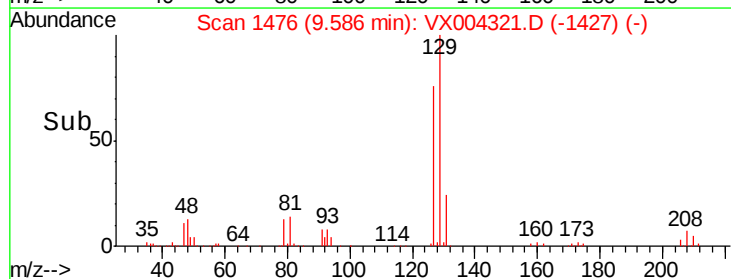
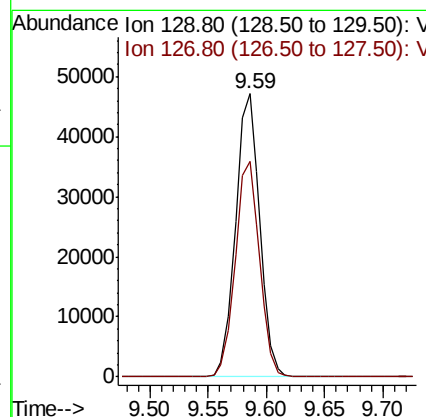
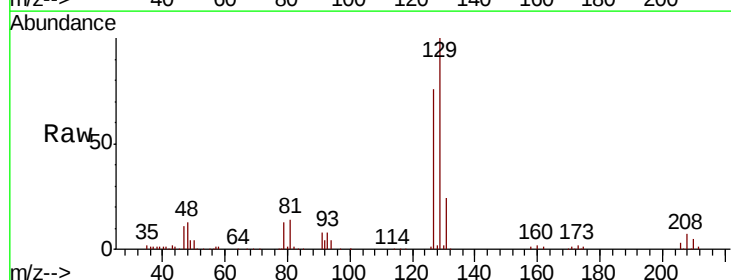
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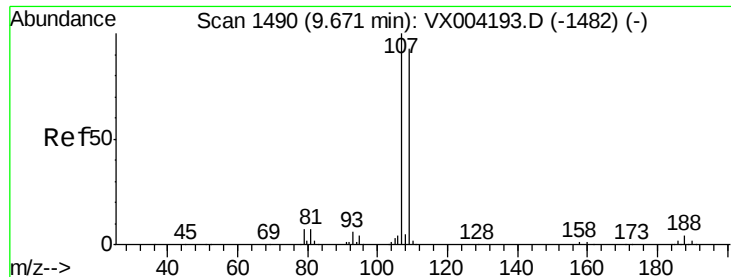
MMDadoda
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#60
Dibromochloromethane
Concen: 18.69 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Tgt Ion: 129 Resp: 68064
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.5





#61

1,2-Dibromoethane

Concen: 19.29 ug/l

RT: 9.67 min Scan# 1490

Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0830MBS01

Tot Ion:107 Resp: 74623

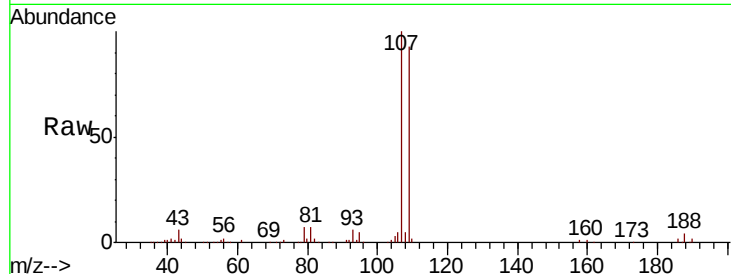
Ion Ratio Lower Upper

107 100

109 95.2 76.0 114.0

Manual Integrations
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8/31/2018 4:30:08 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

60000

50000

40000

30000

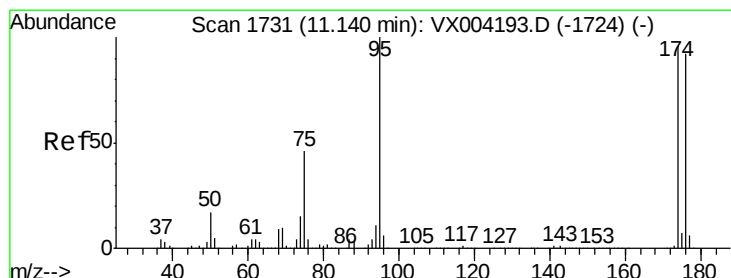
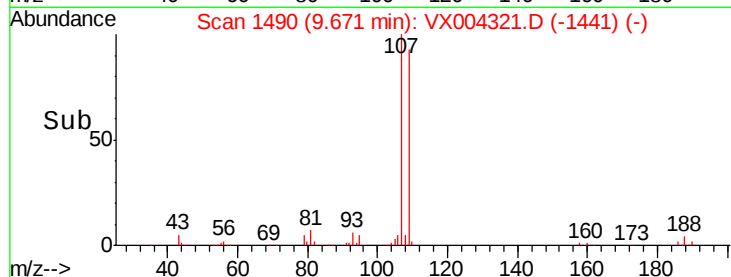
20000

10000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 49.98 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

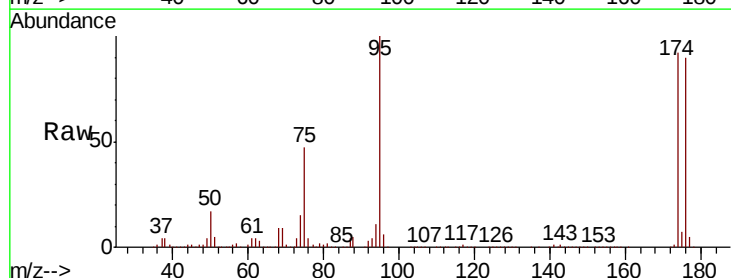
Tgt Ion: 95 Resp: 230589

Ion Ratio Lower Upper

95 100

174 91.8 0.0 185.2

176 89.3 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

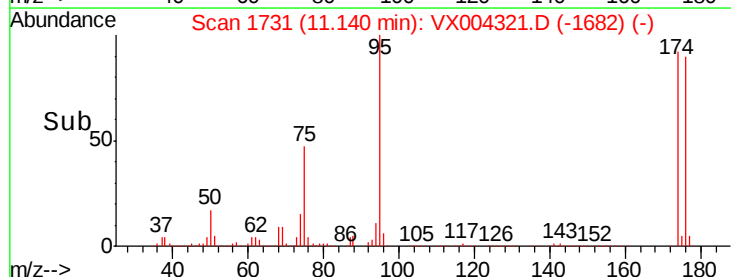
100000

50000

0

Time-->

11.10 11.20





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Instrument :

MSVOA_X

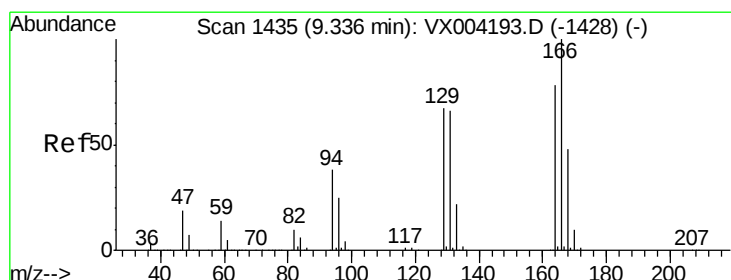
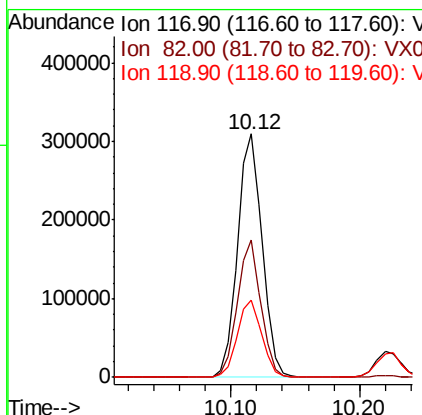
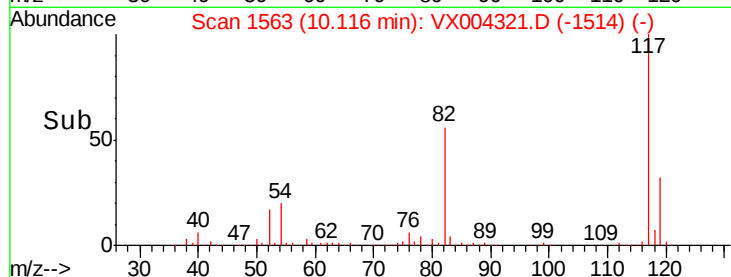
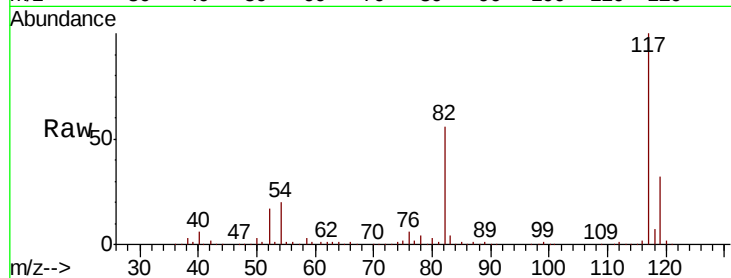
ClientSampleId :

VX0830MBS01

Tot Ion:	117	Resp:	409416
Ion Ratio	Lower	Upper	
117	100		
82	56.2	47.8	71.6
119	31.6	29.3	43.9

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#64

Tetrachloroethene

Concen: 18.85 ug/l

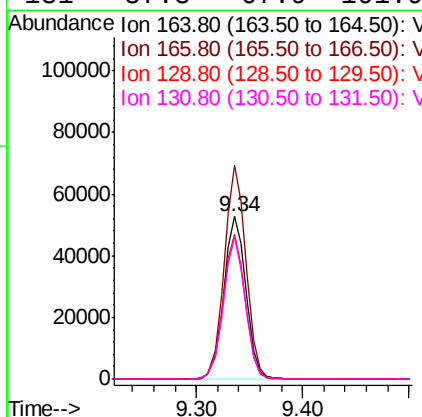
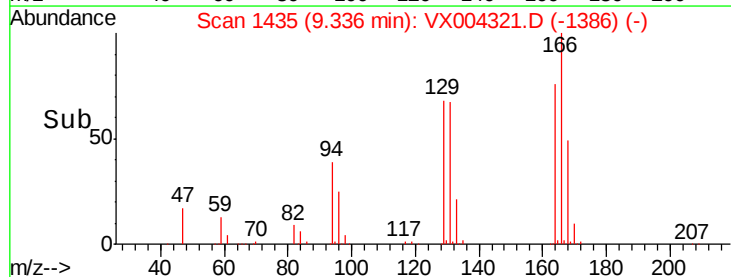
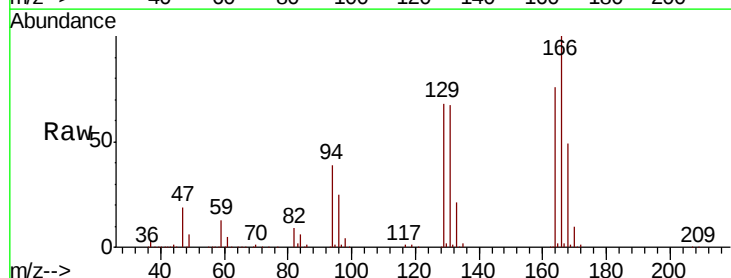
RT: 9.34 min Scan# 1435

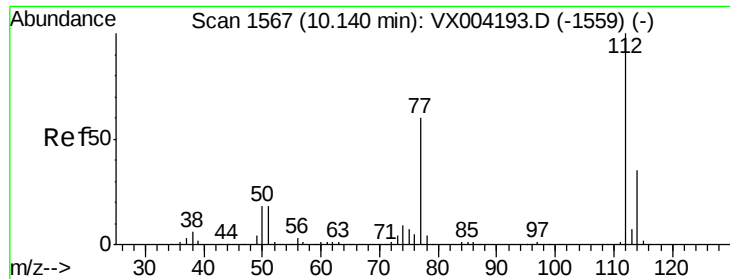
Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Tgt Ion:	164	Resp:	76243
Ion Ratio	Lower	Upper	
164	100		
166	131.6	102.8	154.2
129	89.3	69.4	104.0
131	87.8	67.9	101.9





#65

Chlorobenzene

Concen: 19.04 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampled :

VX0830MBS01

Tot Ion:112 Resp: 195676

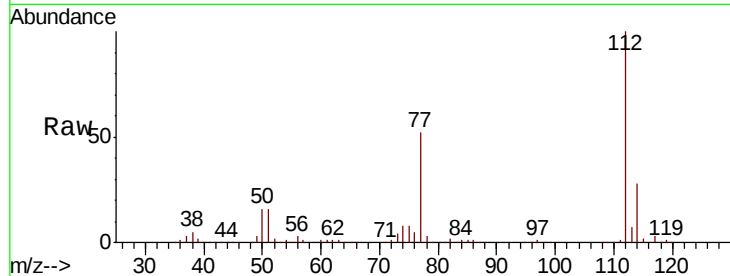
Ion Ratio Lower Upper

112 100

114 27.7 27.8 41.8#

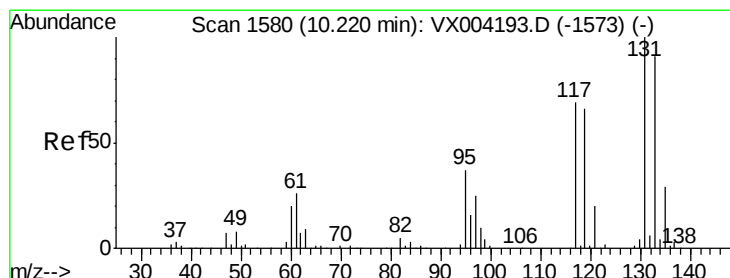
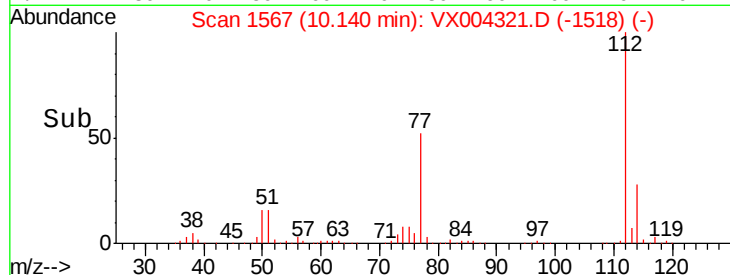
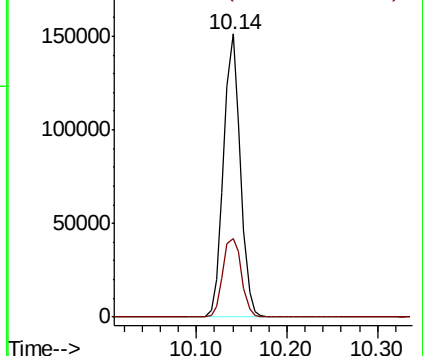
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.77 ug/l

RT: 10.22 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

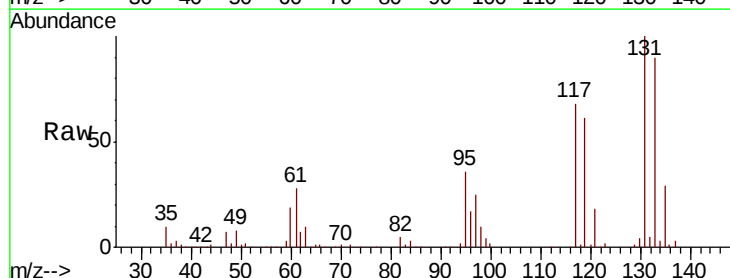
Tgt Ion:131 Resp: 66527

Ion Ratio Lower Upper

131 100

133 95.2 48.1 144.4

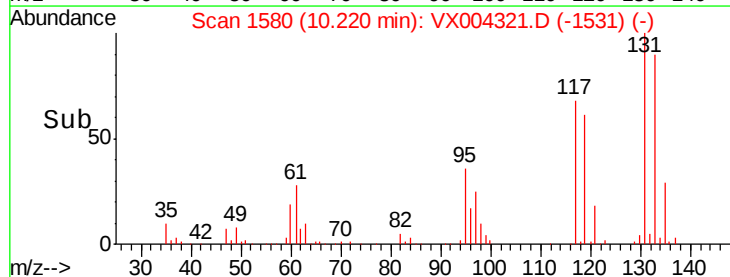
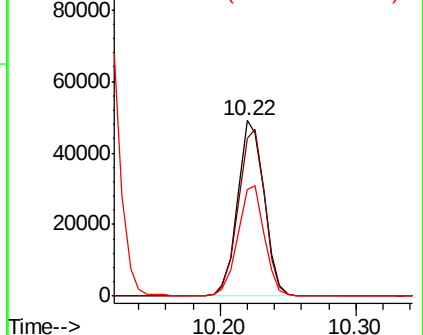
119 63.3 32.9 98.6

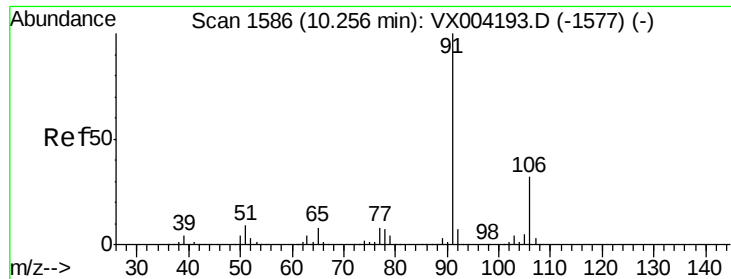


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.13 ug/l

RT: 10.25 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0830MBS01

Tot Ion: 91 Resp: 319244

Ion Ratio Lower Upper

91 100

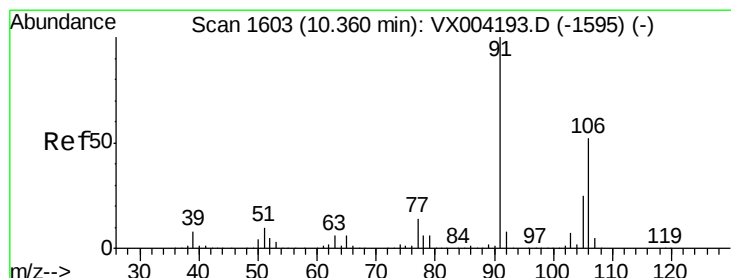
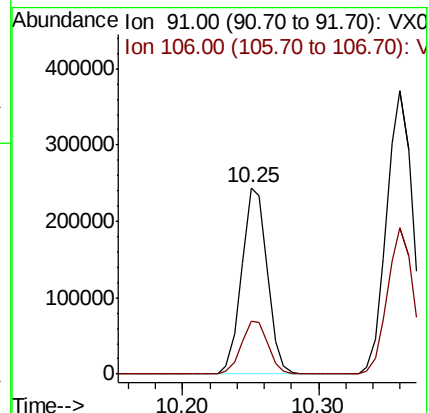
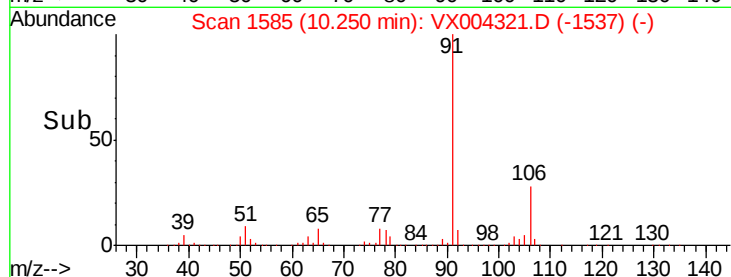
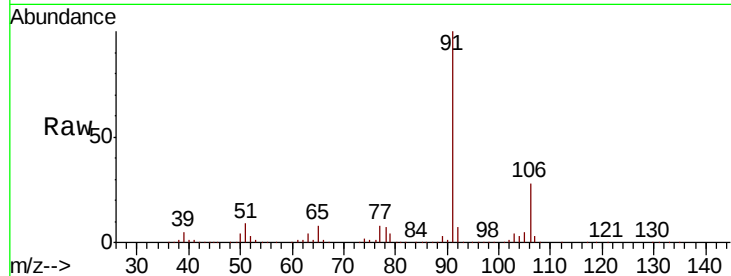
106 28.4 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.87 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004321.D

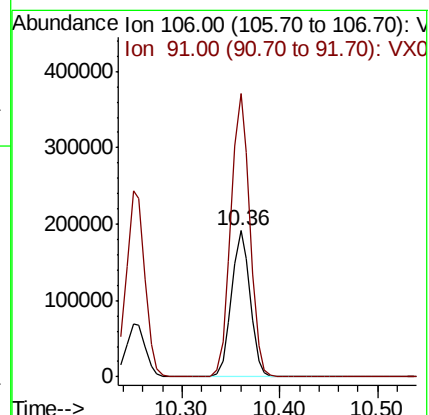
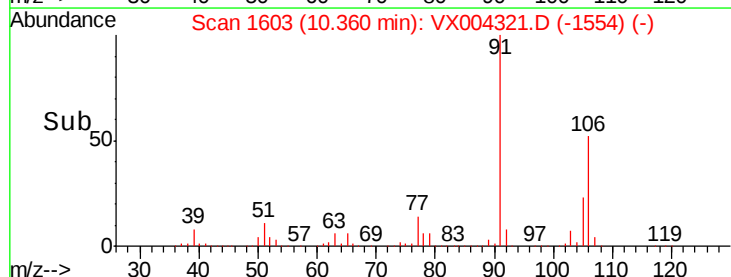
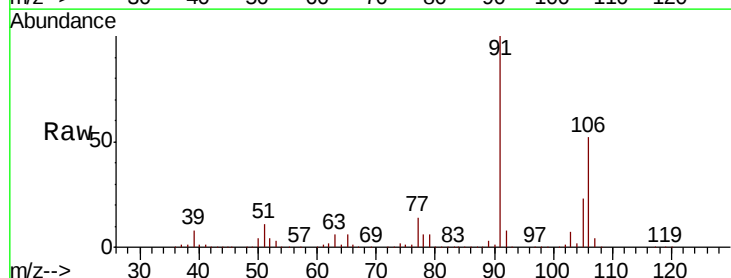
Acq: 30 Aug 2018 14:29

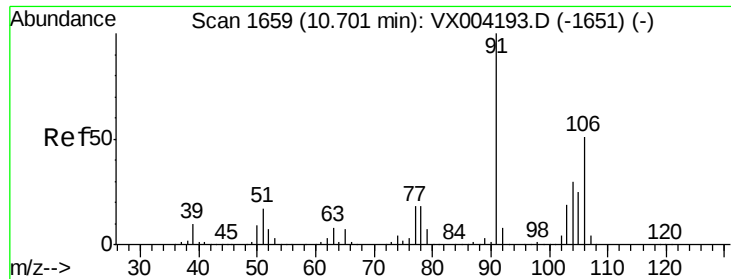
Tgt Ion: 106 Resp: 253634

Ion Ratio Lower Upper

106 100

91 197.1 157.1 235.7





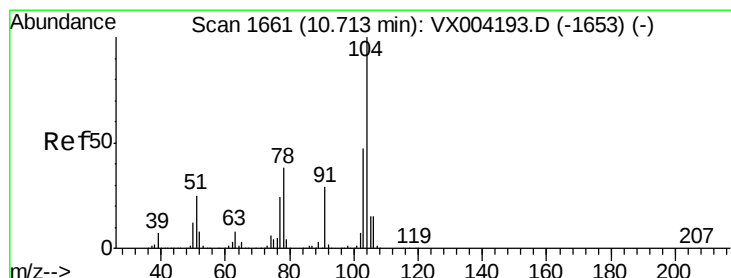
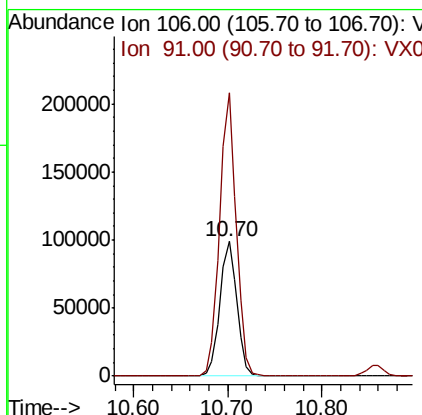
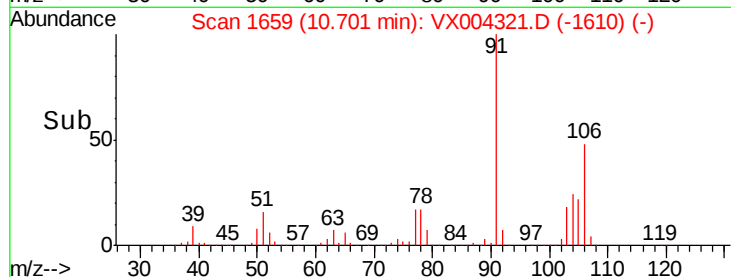
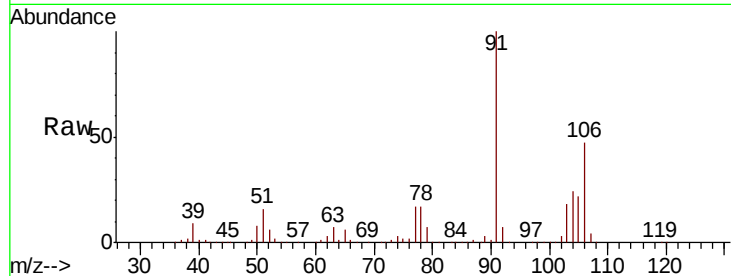
#69
o-Xylene
Concen: 20.16 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0830MBS01

Tot Ion:106 Resp: 124405
Ion Ratio Lower Upper
106 100
91 205.4 105.1 315.1

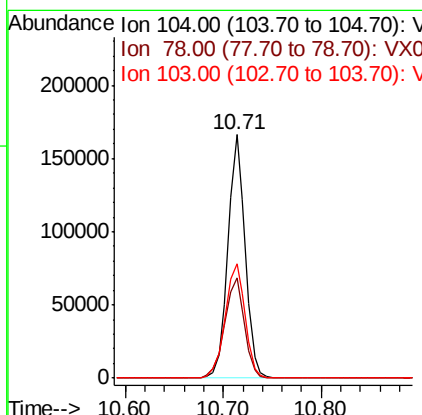
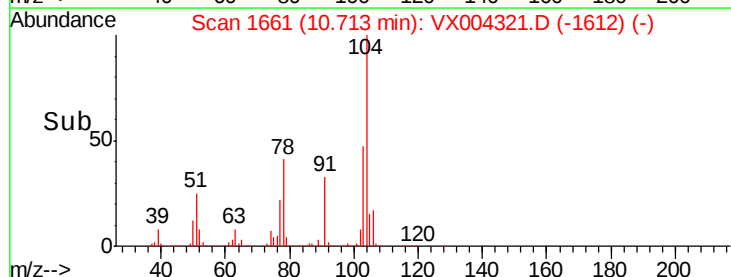
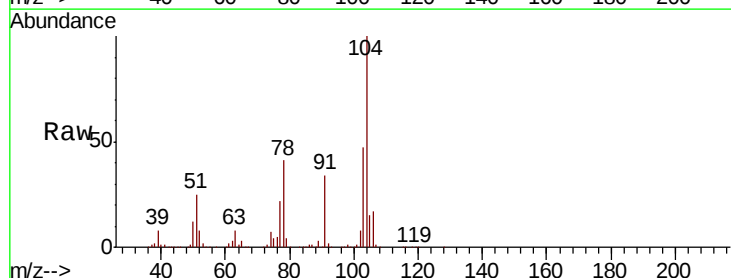
Manual Integrations
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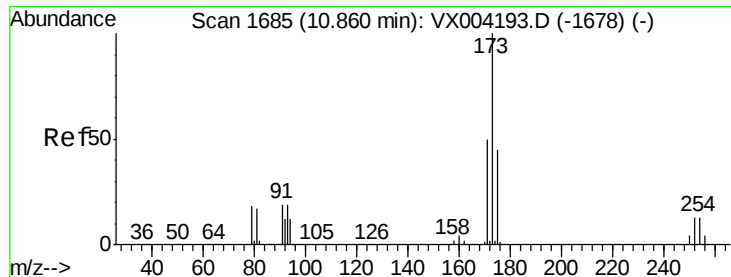
MMDadoda
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#70
Styrene
Concen: 20.35 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Tgt Ion:104 Resp: 203376
Ion Ratio Lower Upper
104 100
78 47.5 37.4 56.0
103 54.2 43.8 65.6





#71

Bromoform

Concen: 17.76 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Instrument :

MSVOA_X

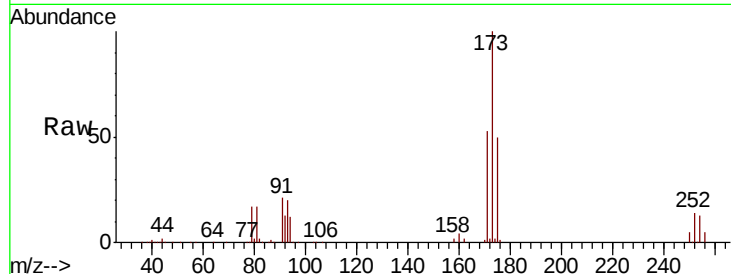
ClientSampleId :

VX0830MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.1	72.3
254	0.0	0.2	0.2

Manual Integrations
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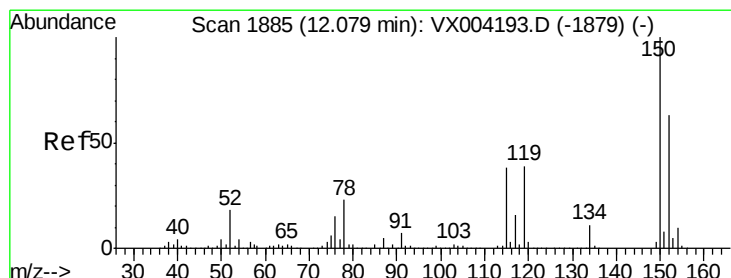
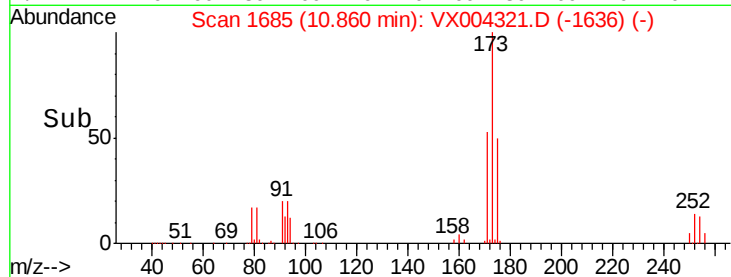
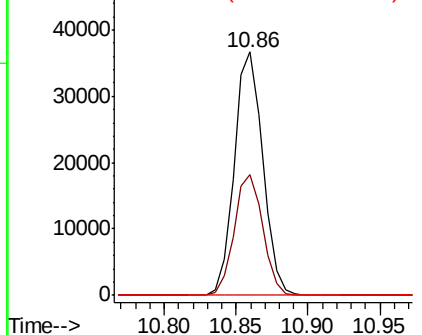


Abundance

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

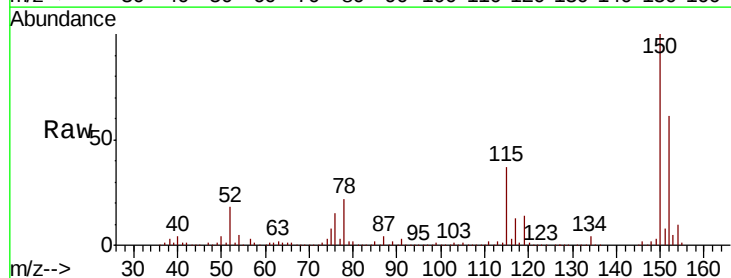
RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.6	39.0	117.0
150	163.4	0.0	351.0

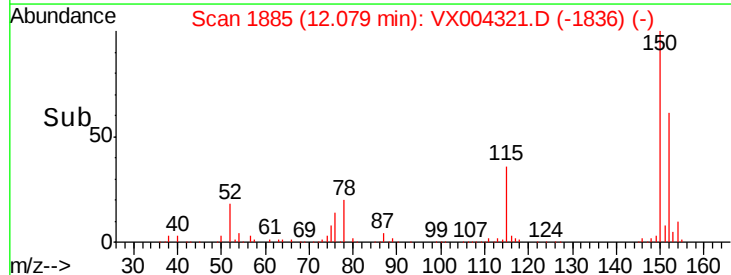
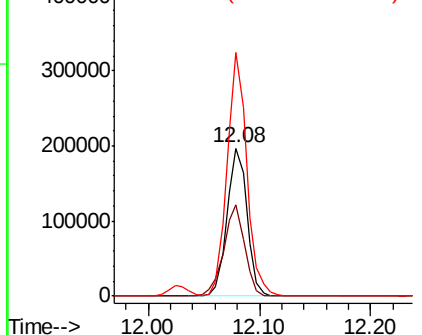


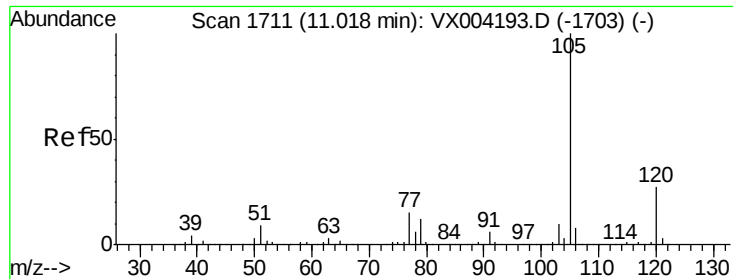
Abundance

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: 20.81 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0830MBS01

Tot Ion:105 Resp: 331447

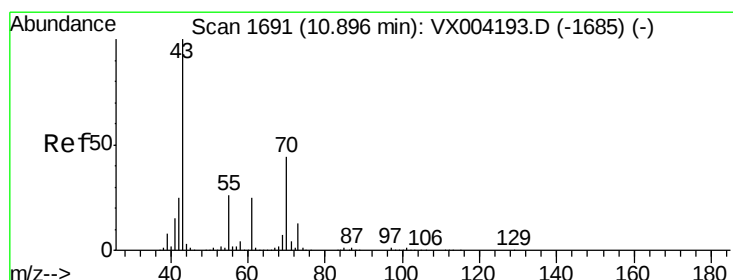
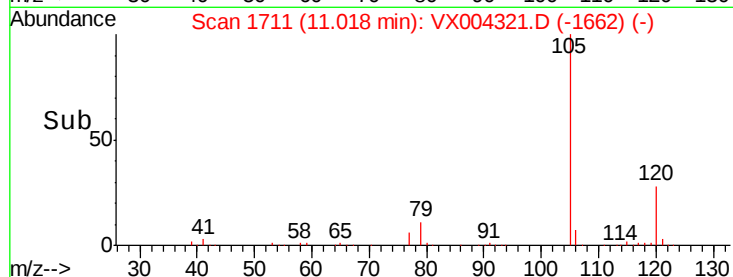
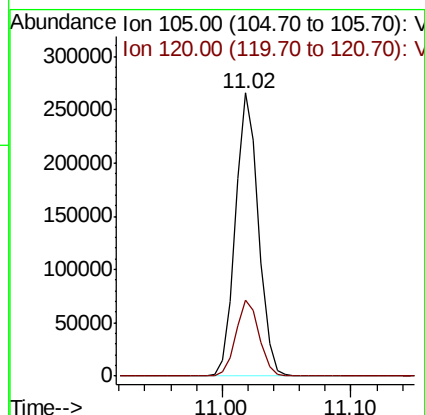
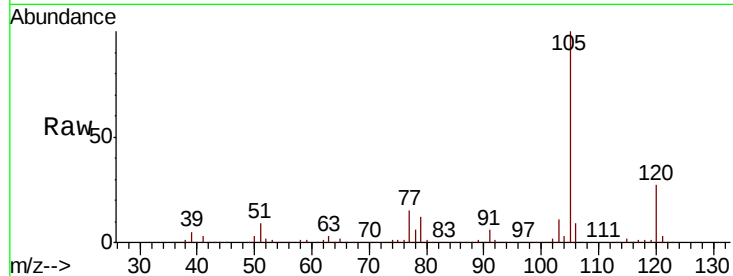
Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.52 ug/l

RT: 10.90 min Scan# 1692

Delta R.T. 0.01 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Tgt Ion: 43 Resp: 119750

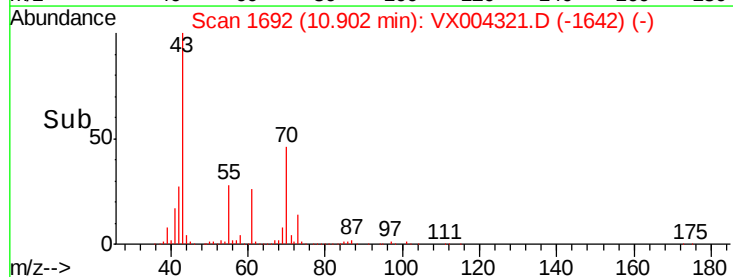
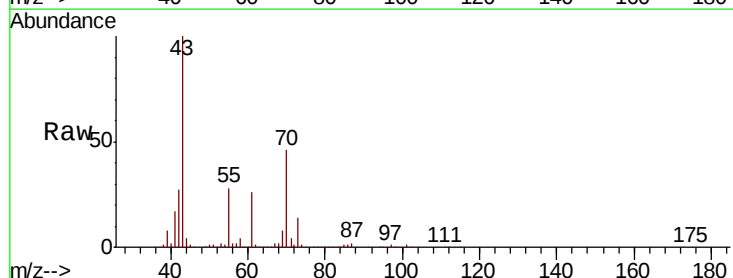
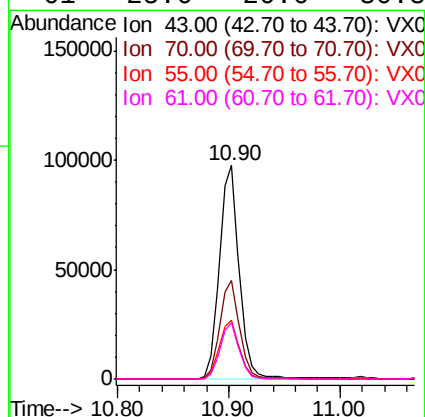
Ion Ratio Lower Upper

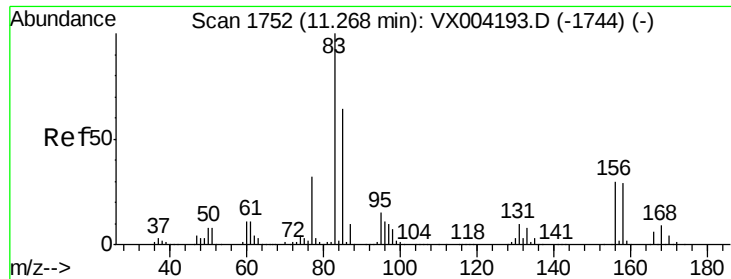
43 100

70 46.1 37.4 56.0

55 28.9 21.8 32.8

61 25.6 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.26 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Instrument :

MSVOA_X

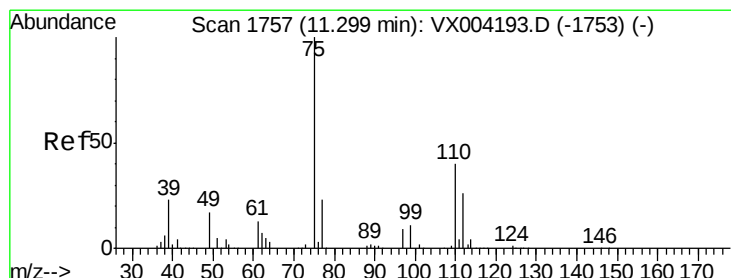
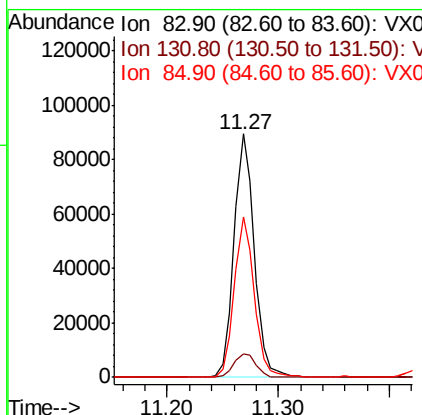
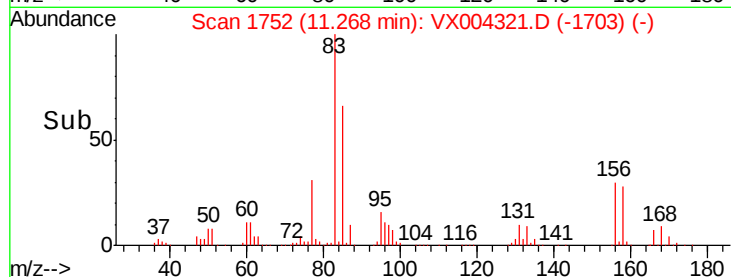
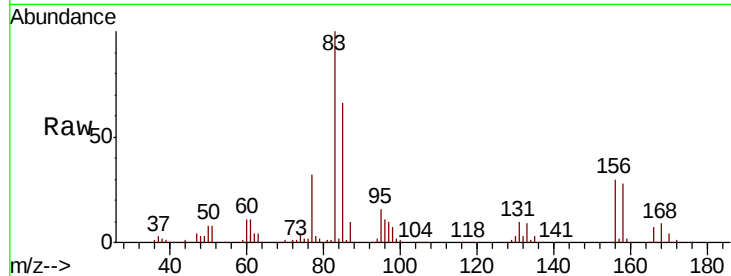
ClientSampleId :

VX0830MBS01

Tot Ion	83	Resp	112946
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	65.1	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.54 ug/l m

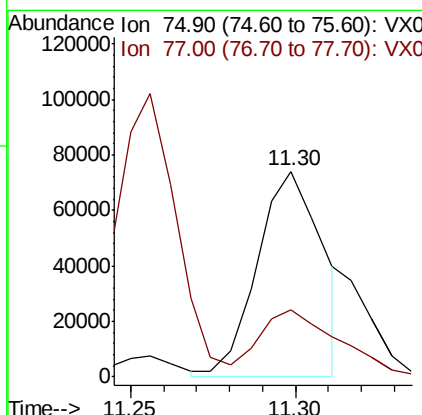
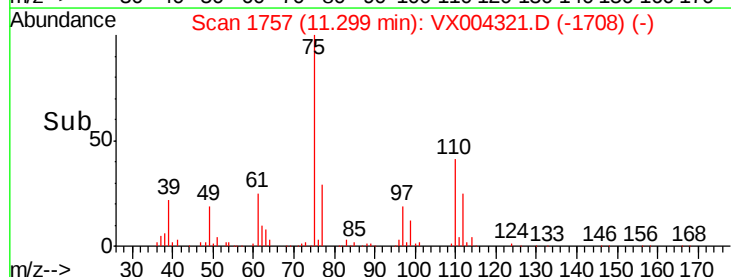
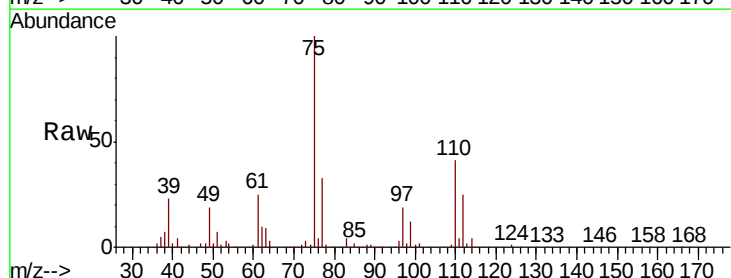
RT: 11.30 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Tgt Ion	75	Resp	101347
Ion Ratio	Lower	Upper	
75	100		
77	40.0	20.2	60.6





#77

Bromobenzene

Concen: 20.37 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Instrument :

MSVOA_X

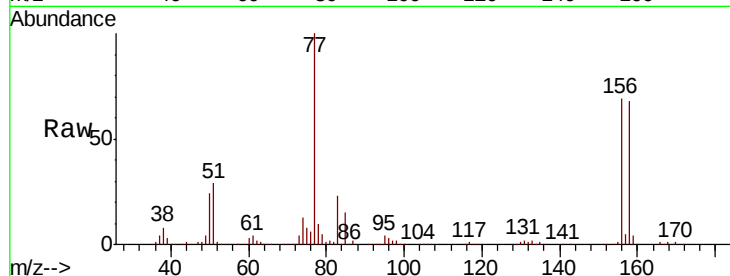
ClientSampleId :

VX0830MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	144.8	71.5	214.3
158	97.2	48.9	146.8

Manual Integrations
APPROVED

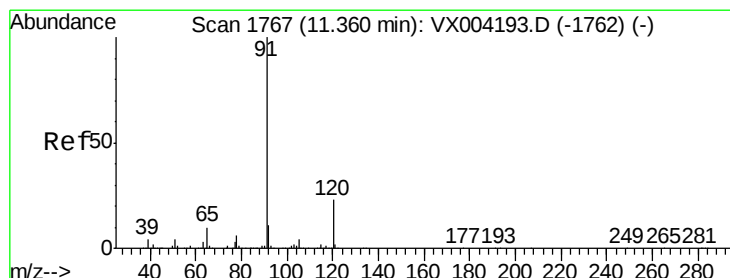
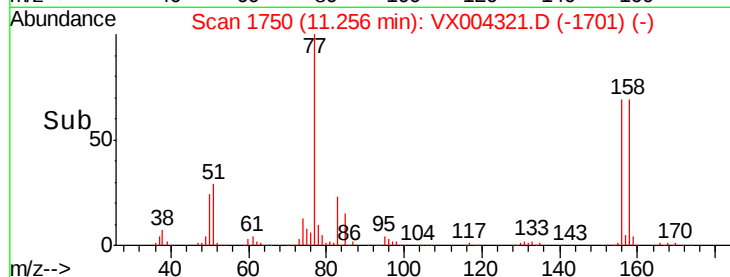
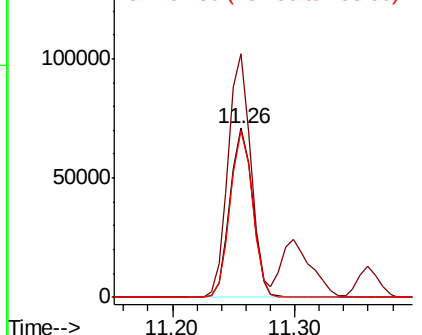
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.62 ug/l

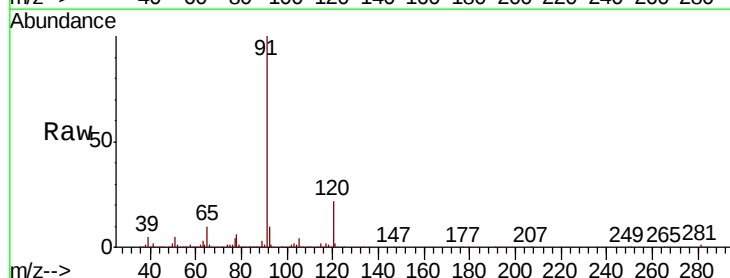
RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004321.D

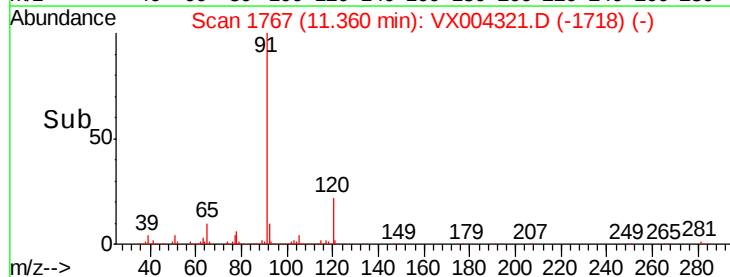
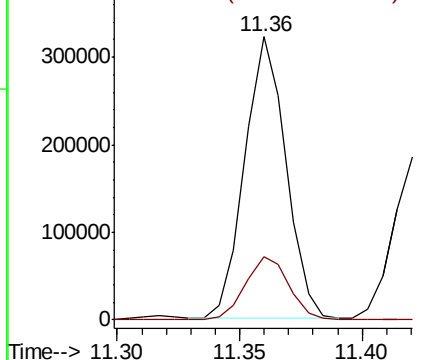
Acq: 30 Aug 2018 14:29

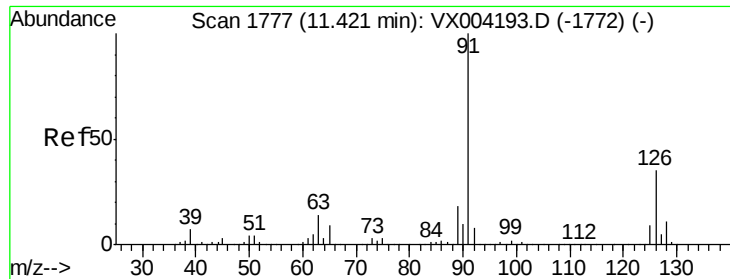
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.53 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampleId :

VX0830MBS01

Tot Ion: 91 Resp: 231478

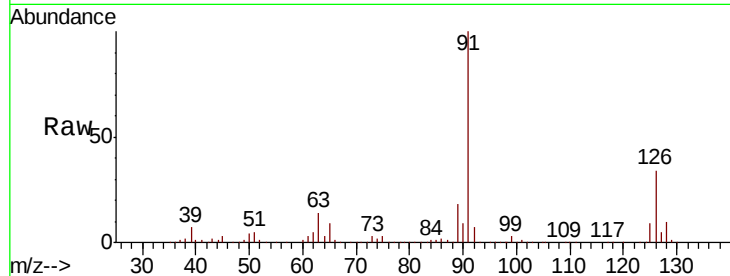
Ion Ratio Lower Upper

91 100

126 34.9 17.9 53.7

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Abundance Ion 91.00 (90.70 to 91.70): VX004193.D (-1772) (-)

Ion 125.90 (125.60 to 126.60): VX004193.D (-1772) (-)

300000

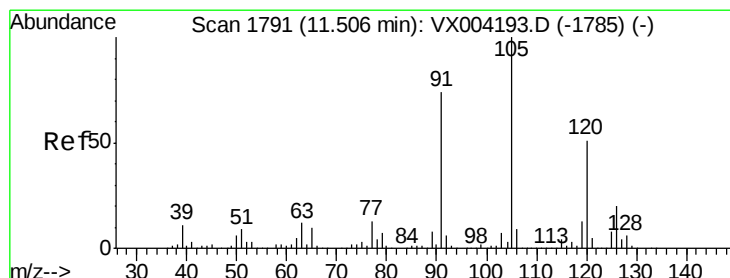
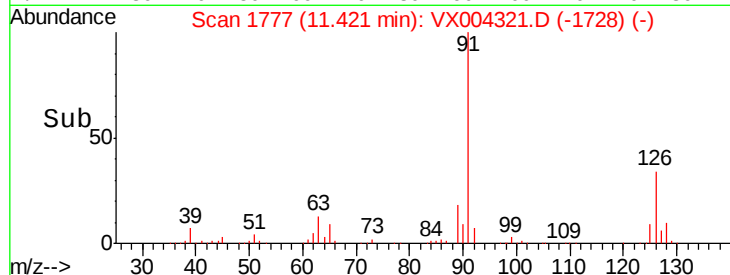
200000

100000

0

11.40 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.93 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004321.D

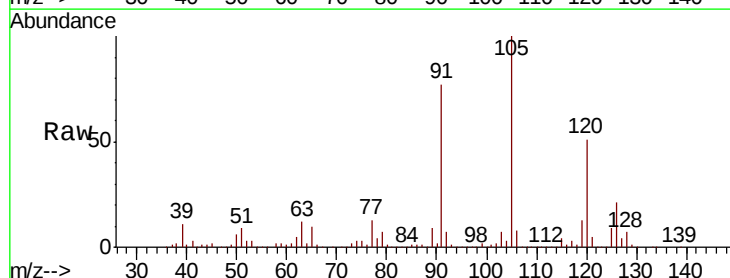
Acq: 30 Aug 2018 14:29

Tgt Ion:105 Resp: 276083

Ion Ratio Lower Upper

105 100

120 49.9 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VX004193.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX004193.D (-1785) (-)

250000

200000

150000

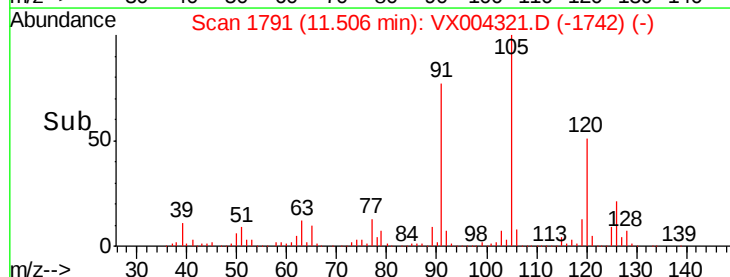
100000

50000

0

11.50 11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.11 ug/l

RT: 11.07 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VX004321.D

Acq: 30 Aug 2018 14:29

Instrument :

MSVOA_X

ClientSampled :

VX0830MBS01

Tot Ion: 75 Resp: 29059

Ion Ratio Lower Upper

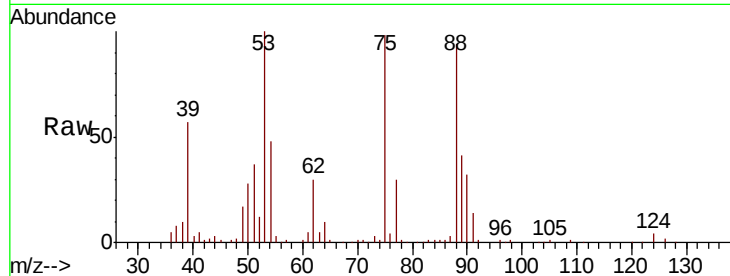
75 100

53 105.5 80.1 120.1

89 45.0 37.2 55.8

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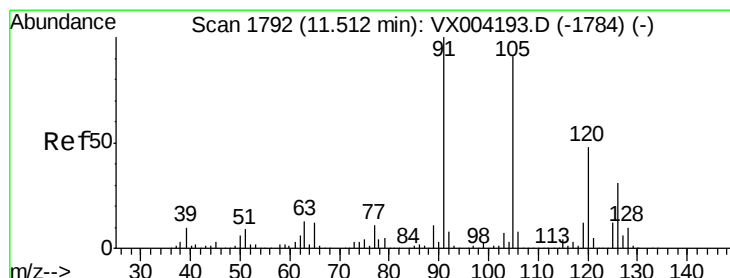
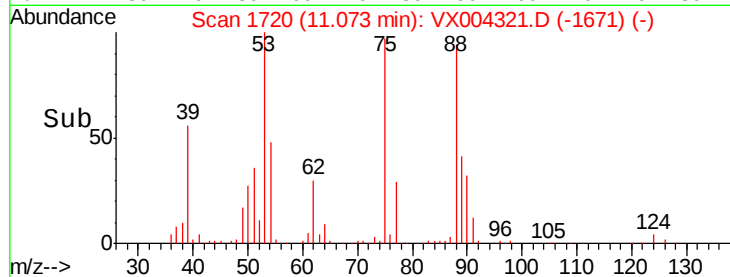
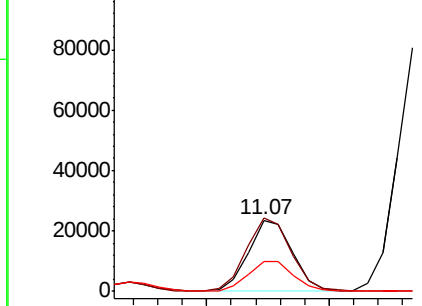
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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 20.07 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX004321.D

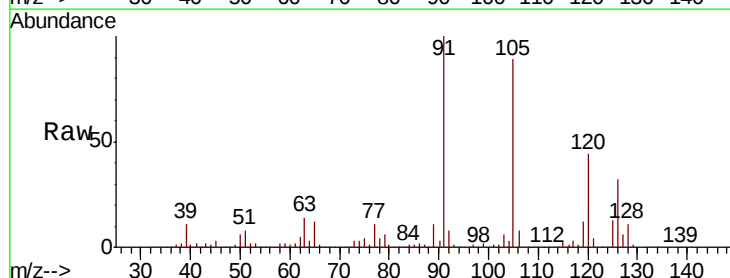
Acq: 30 Aug 2018 14:29

Tgt Ion: 91 Resp: 266296

Ion Ratio Lower Upper

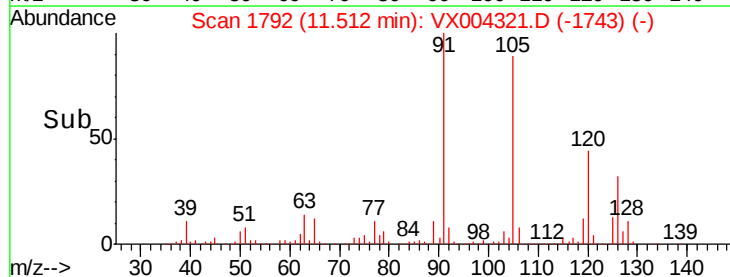
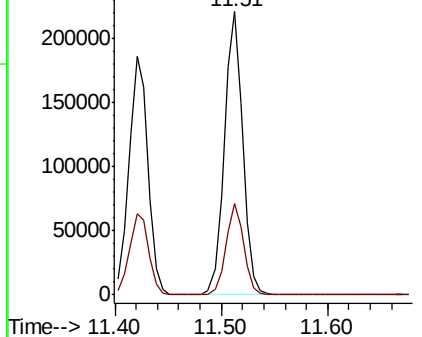
91 100

126 31.3 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





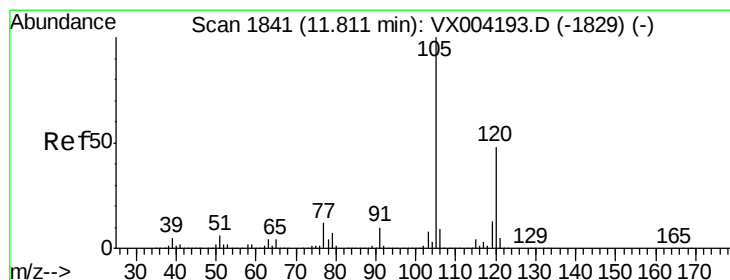
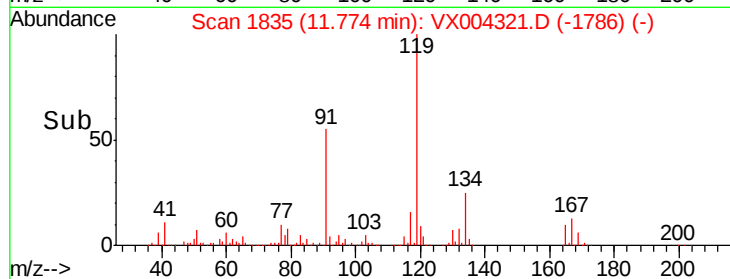
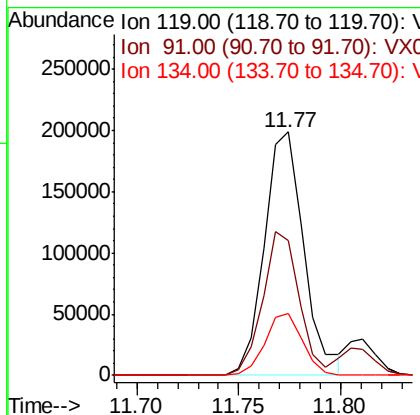
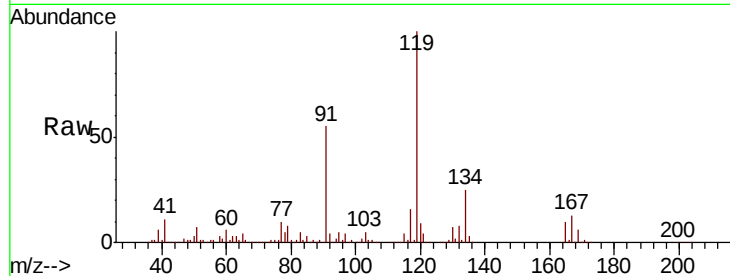
#83
tert-Butylbenzene
Concen: 20.22 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampled :
VX0830MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	268397		
91	54.3	27.0	81.0	
134	24.3	11.7	35.1	

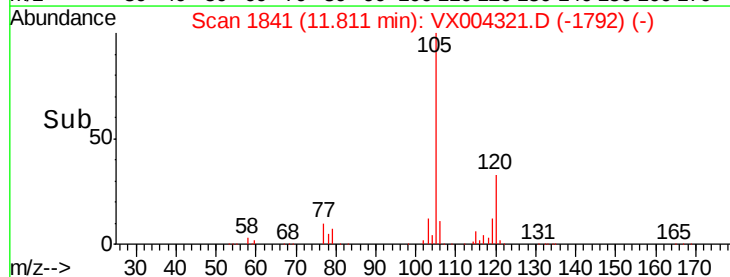
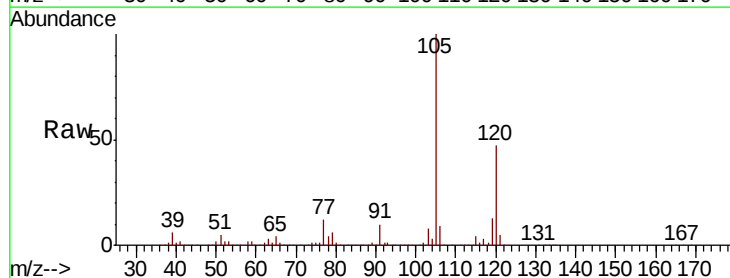
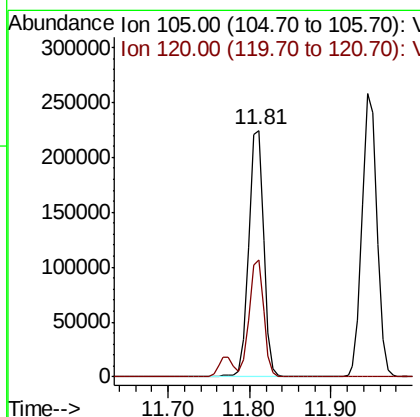
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#84
1,2,4-Trimethylbenzene
Concen: 21.23 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	287573		
120	45.9	23.2	69.6	





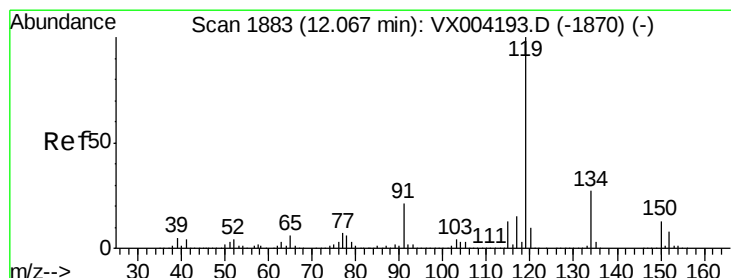
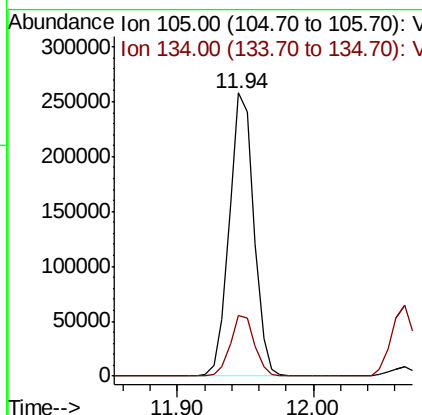
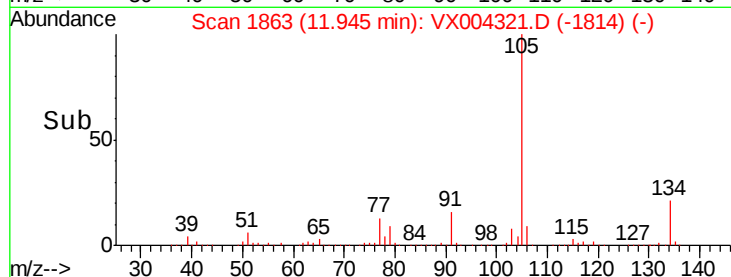
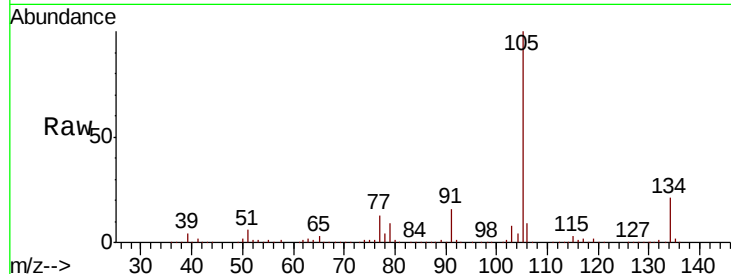
#85
 sec-Butylbenzene
 Concen: 20.50 ug/l
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830MBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.5	31.5

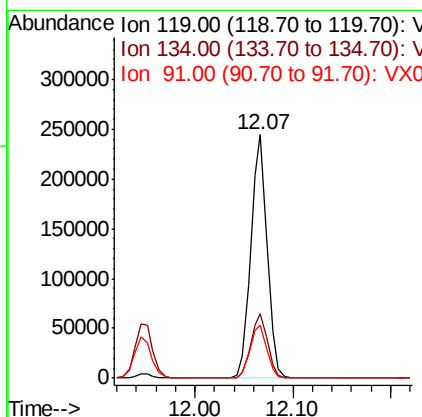
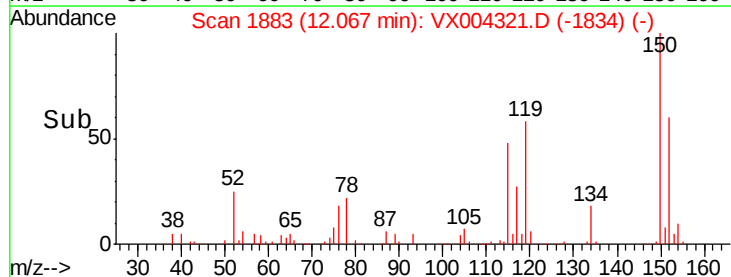
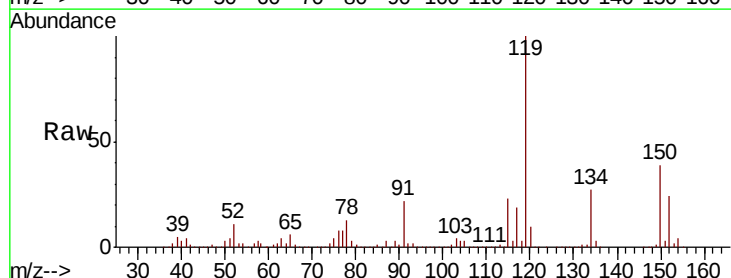
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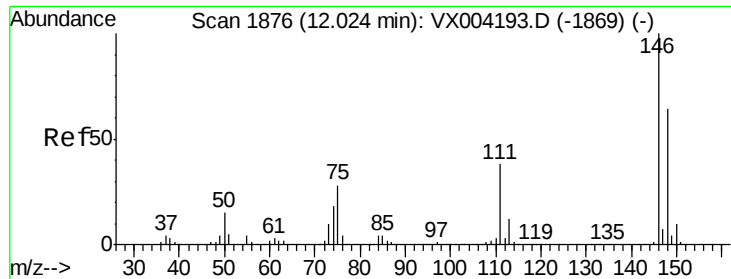
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#86
 p-Isopropyltoluene
 Concen: 19.92 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.4	40.2
91	22.7	10.9	32.7





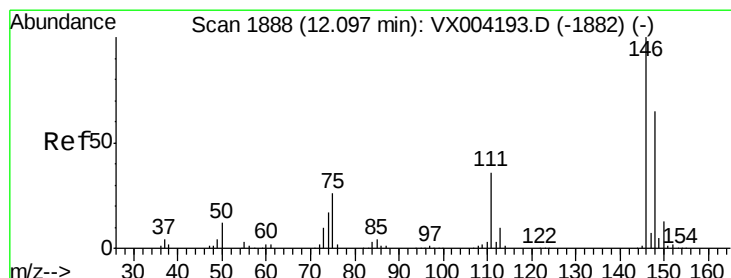
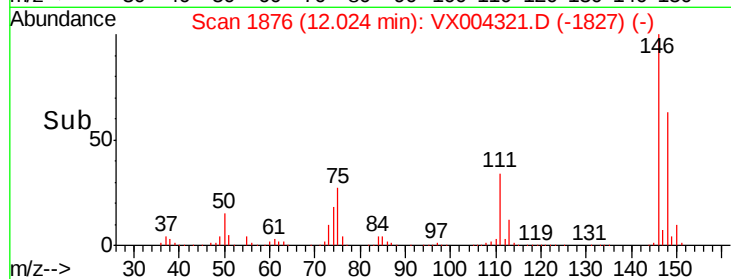
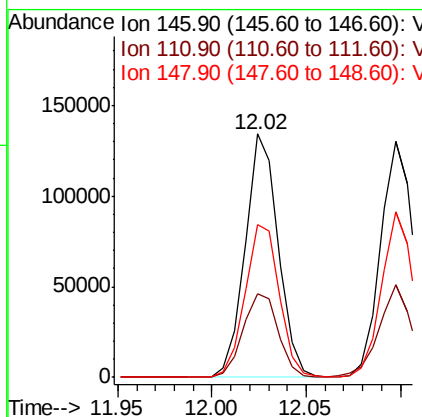
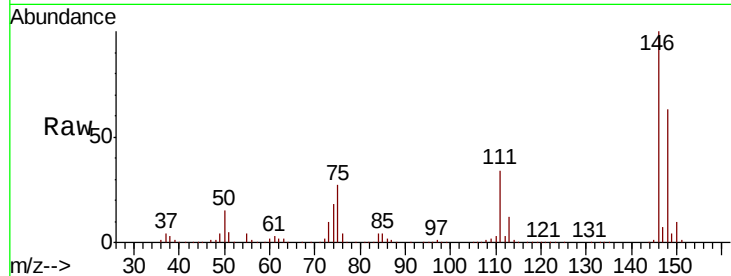
#87
 1,3-Dichlorobenzene
 Concen: 19.40 ug/l
 RT: 12.02 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.7	56.1
148	65.0	32.1	96.5

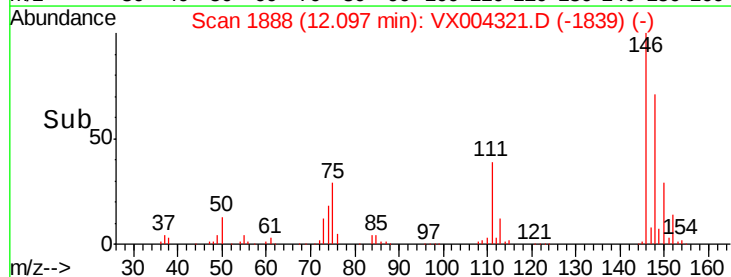
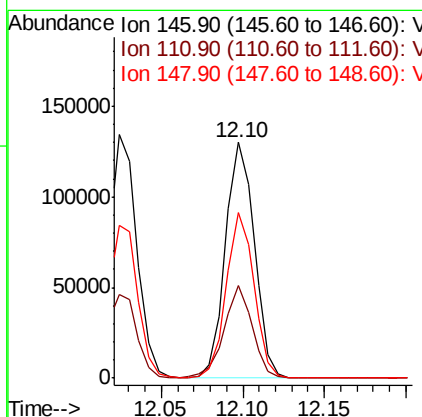
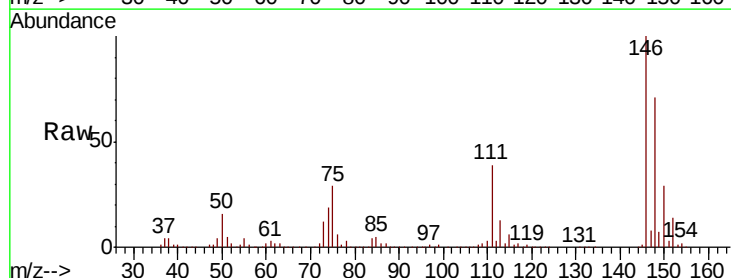
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#88
 1,4-Dichlorobenzene
 Concen: 18.12 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.1	54.1
148	67.3	32.0	96.0





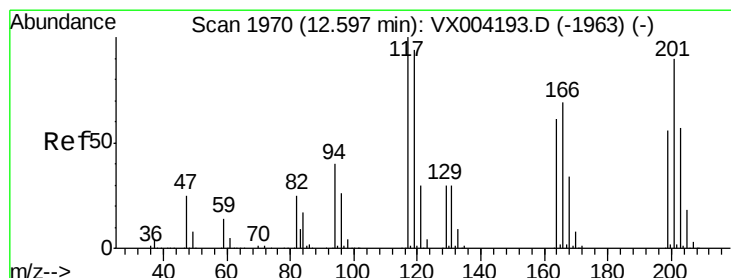
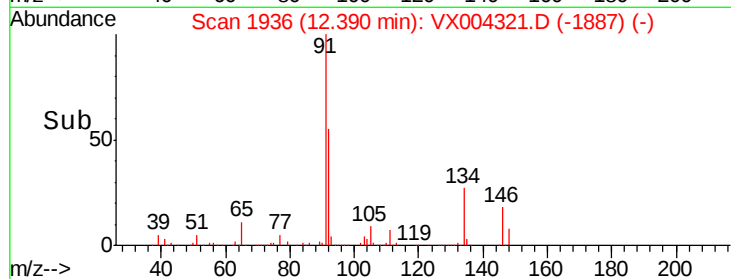
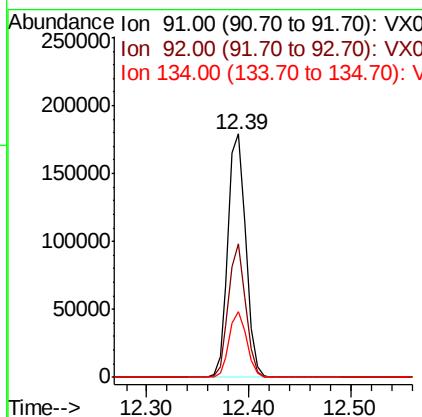
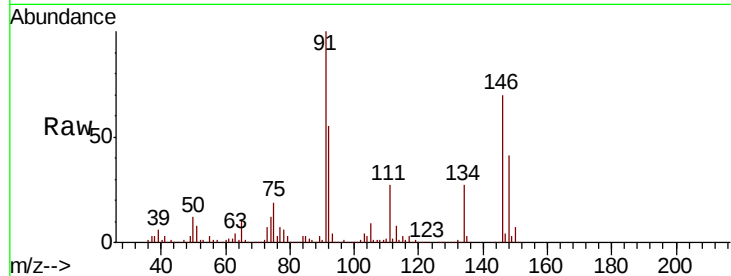
#89
n-Butylbenzene
Concen: 18.84 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0830MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	27.3	81.9
134	26.5	13.6	40.7

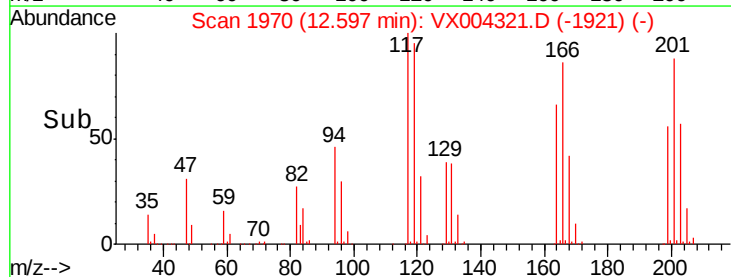
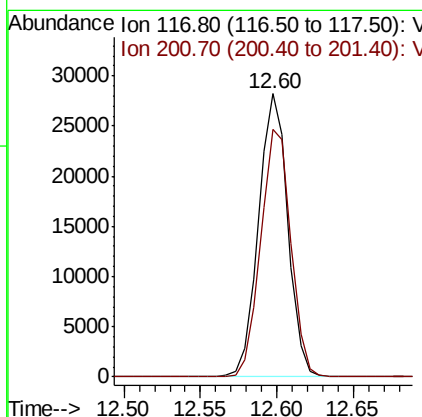
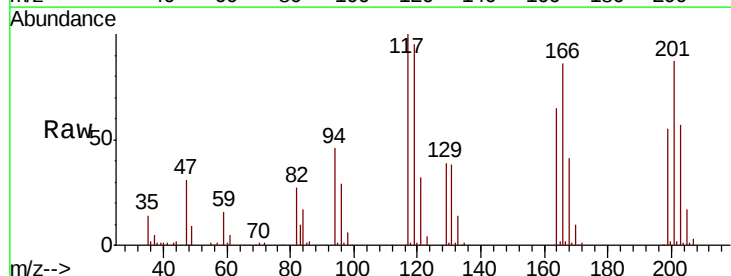
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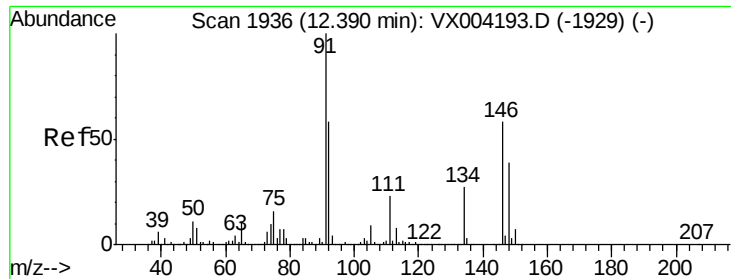
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#90
Hexachloroethane
Concen: 19.09 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.7	46.9	140.6





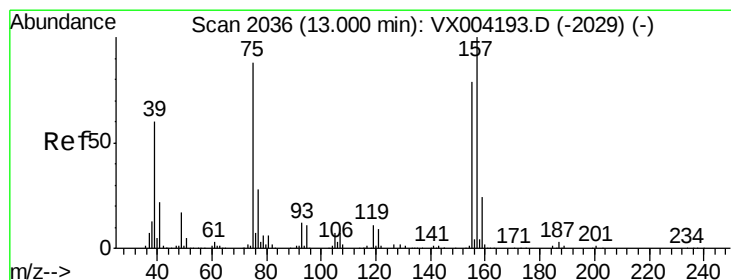
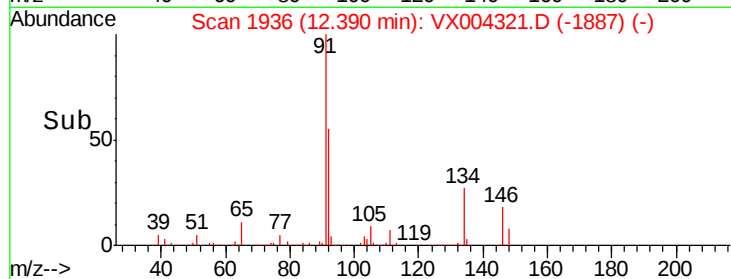
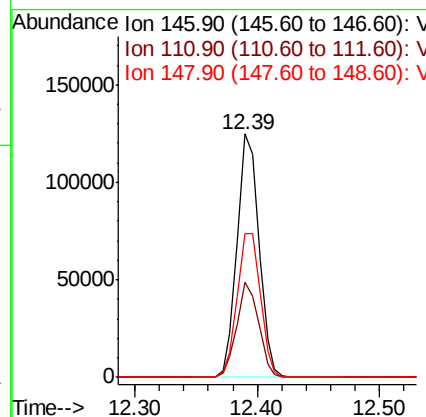
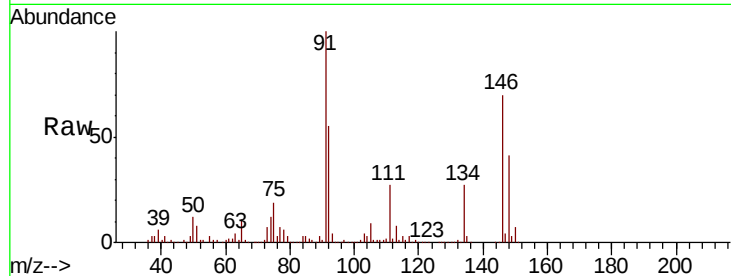
#91
 1,2-Dichlorobenzene
 Concen: 20.04 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.4	58.1
148	62.8	32.8	98.3

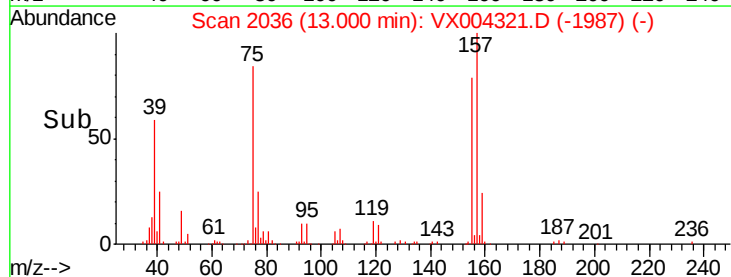
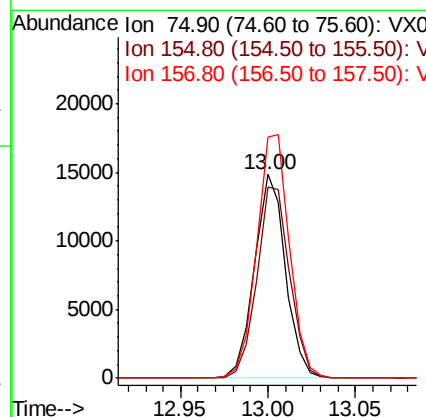
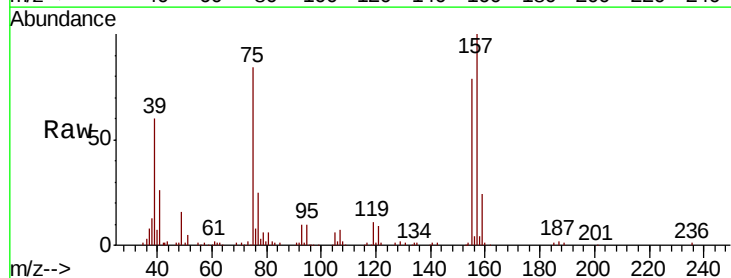
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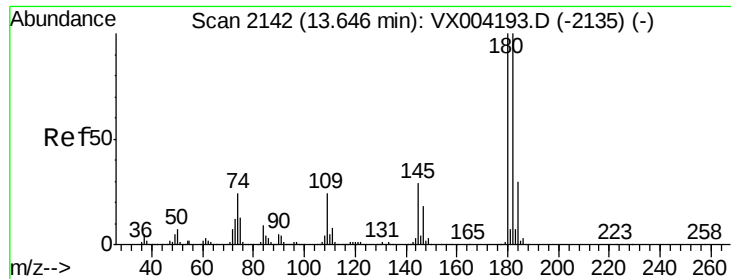
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.65 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	48.0	144.2
157	126.3	61.4	184.1





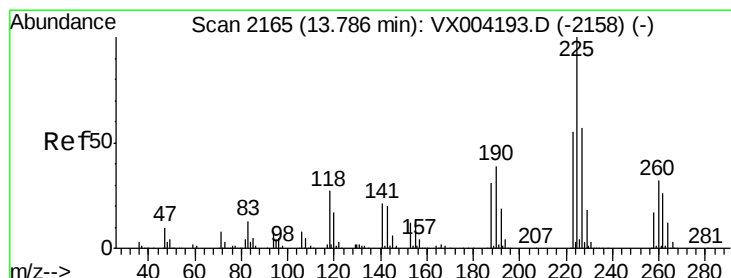
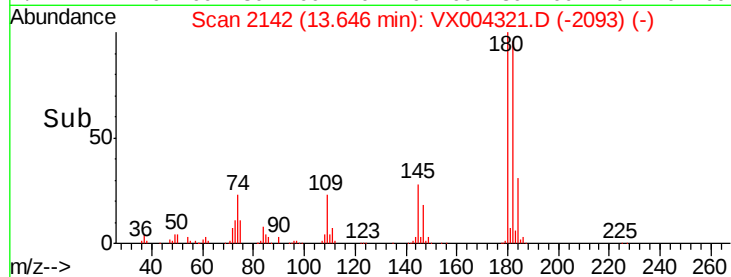
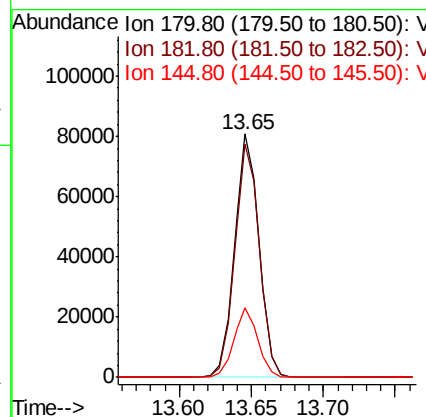
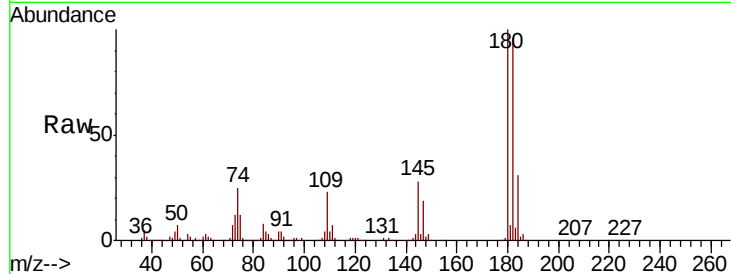
#93
 1,2,4-Trichlorobenzene
 Concen: 17.22 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0830MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.4	145.0
145	28.0	14.3	42.9

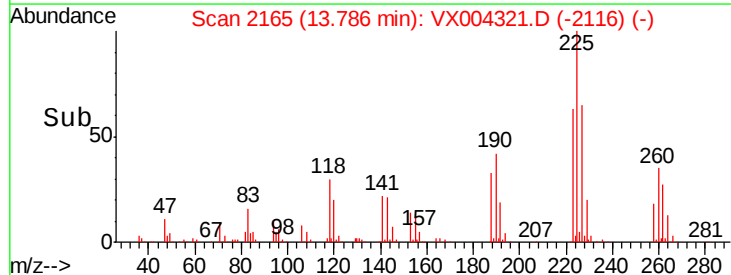
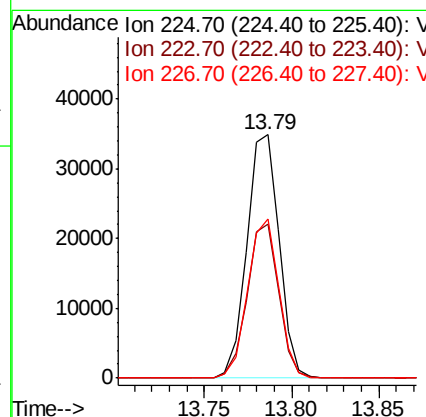
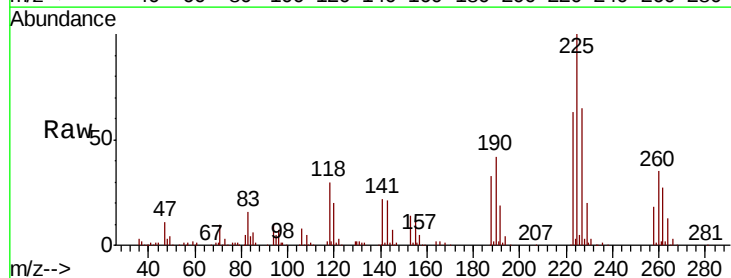
Manual Integrations
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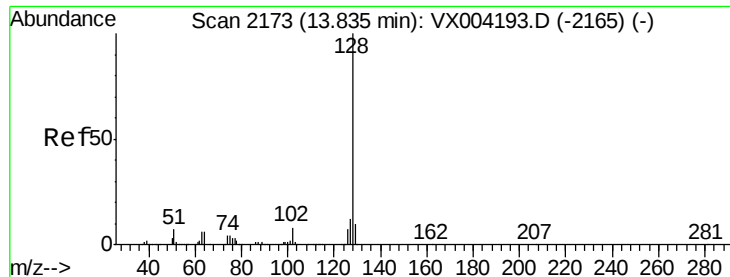
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#94
 Hexachlorobutadiene
 Concen: 17.15 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX004321.D
 Acq: 30 Aug 2018 14:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	30.1	90.5
227	62.9	30.8	92.4





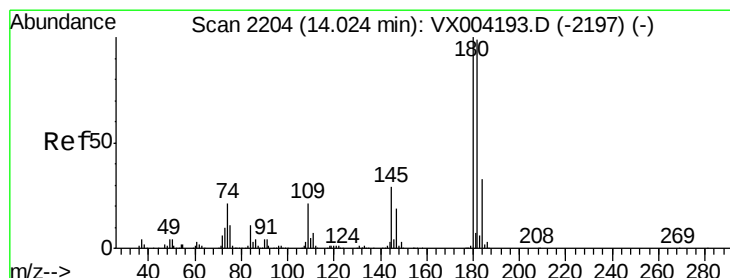
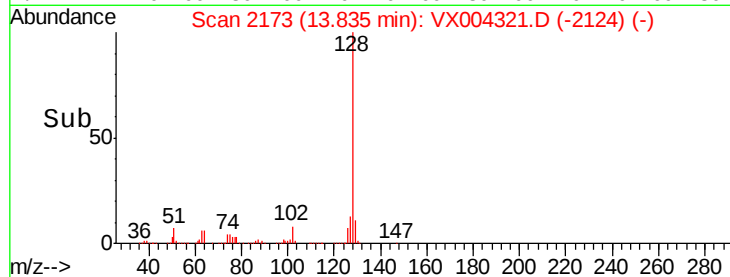
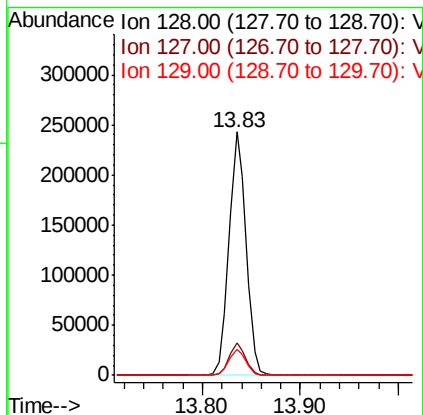
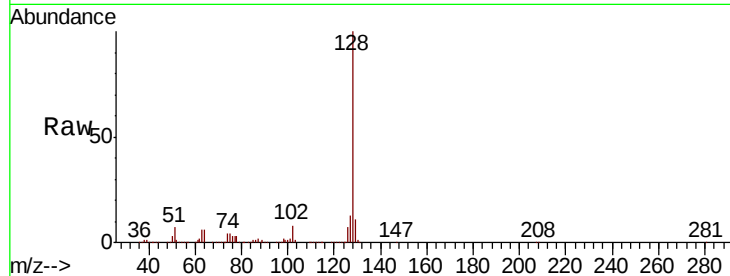
#95
Naphthalene
Concen: 18.63 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Instrument :
MSVOA_X
ClientSampleId :
VX0830MBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	294783		
127	12.7		10.2	15.2
129	10.7		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/31/2018 4:30:08 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.18 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. -0.00 min
Lab File: VX004321.D
Acq: 30 Aug 2018 14:29

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	101756		
182	96.1		48.5	145.6
145	29.5		14.9	44.9

