

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112118\
 Data File : VX006160.D
 Acq On : 22 Nov 2018 08:29
 Operator : JC/MD
 Sample : J6032-06MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MMTW-01MSD

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 9:49:24 AM

Quant Time: Nov 22 23:20:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 08:15:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	284202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	432110	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	403909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	218896	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	176261	53.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.04%	
35) Dibromofluoromethane	5.50	113	141517	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
50) Toluene-d8	8.71	98	534433	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	11.14	95	197198	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	101944	48.270	ug/l	100
3) Chloromethane	1.32	50	131336	49.229	ug/l	99
4) Vinyl Chloride	1.41	62	134409	49.530	ug/l	94
5) Bromomethane	1.64	94	94774	45.750	ug/l	98
6) Chloroethane	1.72	64	89949	66.948	ug/l	96
7) Trichlorofluoromethane	1.93	101	178583	50.305	ug/l	99
8) Diethyl Ether	2.19	74	74191	49.439	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.39	101	98309	46.701	ug/l	99
10) Methyl Iodide	2.51	142	109755	41.586	ug/l	99
11) Tert butyl alcohol	3.07	59	158855	226.757	ug/l	99
12) 1,1-Dichloroethene	2.37	96	100911	49.173	ug/l	99
13) Acrolein	2.29	56	98250	234.374	ug/l	100
14) Allyl chloride	2.73	41	204425	48.690	ug/l	99
15) Acrylonitrile	3.15	53	374355	241.933	ug/l	100
16) Acetone	2.45	43	339130	232.068	ug/l	100
17) Carbon Disulfide	2.57	76	300351	54.204	ug/l	97
18) Methyl Acetate	2.78	43	169597	45.256	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	366613	51.684	ug/l	99
20) Methylene Chloride	2.85	84	115019	52.015	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	110273	51.359	ug/l	93
22) Diisopropyl ether	3.87	45	482801	53.718	ug/l	95
23) Vinyl Acetate	3.82	43	1807851	242.453	ug/l	100
24) 1,1-Dichloroethane	3.70	63	215950	51.000	ug/l	99
25) 2-Butanone	4.70	43	649831	239.574	ug/l	99
26) 2,2-Dichloropropane	4.59	77	130005	37.252	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	150697	50.217	ug/l	99
28) Bromochloromethane	5.02	49	131921	53.456	ug/l	99
29) Tetrahydrofuran	5.15	42	423071	250.032	ug/l	100
30) Chloroform	5.21	83	255486	49.791	ug/l	100
31) Cyclohexane	5.57	56	216934	49.048	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	219977	53.094	ug/l	99
36) 1,1-Dichloropropene	5.80	75	189158	48.118	ug/l	99
37) Ethyl Acetate	4.85	43	215170	42.543	ug/l	100
38) Carbon Tetrachloride	5.78	117	189967	51.412	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	202912	45.307	ug/l	98
40) Benzene	6.14	78	571347	49.331	ug/l	99
41) Methacrylonitrile	5.06	41	132200	47.431	ug/l	99
42) 1,2-Dichloroethane	6.20	62	213910	49.402	ug/l	100
43) Isopropyl Acetate	6.46	43	341715	46.784	ug/l	99
44) Trichloroethene	7.21	130	152098	47.250	ug/l	98
45) 1,2-Dichloropropane	7.51	63	153172	49.973	ug/l	99
46) Dibromomethane	7.66	93	102793	48.970	ug/l	100
47) Bromodichloromethane	7.90	83	196177	50.531	ug/l	98
48) Methyl methacrylate	7.77	41	194070	52.390	ug/l	100
49) 1,4-Dioxane	7.75	88	71044	808.377	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1301859	248.623	ug/l	100
52) Toluene	8.79	92	363214	50.702	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	201960	49.851	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	210712	47.049	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	151146	48.718	ug/l	97
56) Ethyl methacrylate	9.18	69	231049	47.948	ug/l	99
57) 1,3-Dichloropropane	9.37	76	250243	48.934	ug/l	100
59) 2-Hexanone	9.49	43	1019395	245.308	ug/l	99
60) Dibromochloromethane	9.59	129	160691	52.829	ug/l	98
61) 1,2-Dibromoethane	9.67	107	160589	50.243	ug/l	100
64) Tetrachloroethene	9.34	164	134774	40.547	ug/l	98
65) Chlorobenzene	10.14	112	411197	49.631	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	147934	52.009	ug/l	100
67) Ethyl Benzene	10.25	91	706931	52.112	ug/l	100
68) m/p-Xylenes	10.36	106	547248	103.599	ug/l	99
69) o-Xylene	10.70	106	264337	52.388	ug/l	98
70) Styrene	10.71	104	437033	53.121	ug/l	99
71) Bromoform	10.86	173	129633	50.915	ug/l	100
73) Isopropylbenzene	11.02	105	713829	53.897	ug/l	99
74) N-amyl acetate	10.90	43	296315	44.159	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	252534	50.595	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	232266m	51.539	ug/l	
77) Bromobenzene	11.26	156	191469	51.606	ug/l	99
78) n-propylbenzene	11.36	91	822543	53.328	ug/l	100
79) 2-Chlorotoluene	11.42	91	485192	51.996	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	599190	53.659	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	60294	45.251	ug/l	99
82) 4-Chlorotoluene	11.51	91	573420	52.657	ug/l	100
83) tert-Butylbenzene	11.77	119	609491	55.910	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	616910	54.160	ug/l	100
85) sec-Butylbenzene	11.94	105	716306	53.720	ug/l	99
86) p-Isopropyltoluene	12.07	119	633697	53.303	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	341672	49.945	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	348900	49.198	ug/l	99
89) n-Butylbenzene	12.39	91	544158	50.554	ug/l	99
90) Hexachloroethane	12.60	117	106648	56.214	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	349576	49.982	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	57447	49.601	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	250983	50.941	ug/l	99

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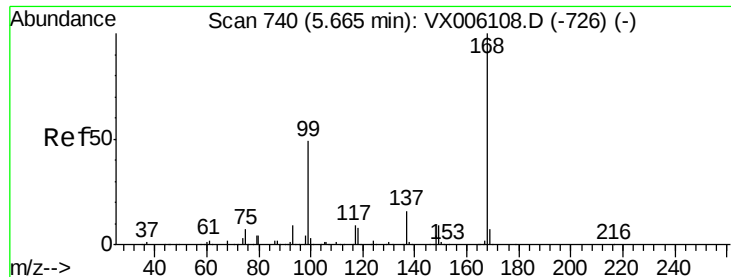
Manual Integrations
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11/26/2018 9:49:24 AM

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Quant Title : SW846 8260
QLast Update : Wed Nov 21 08:15:54 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	114615	47.732	ug/l	99
95) Naphthalene	13.83	128	809440	55.870	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	262311	52.223	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MSD

Tot Ion:168 Resp: 284202

Ion Ratio Lower Upper

168 100

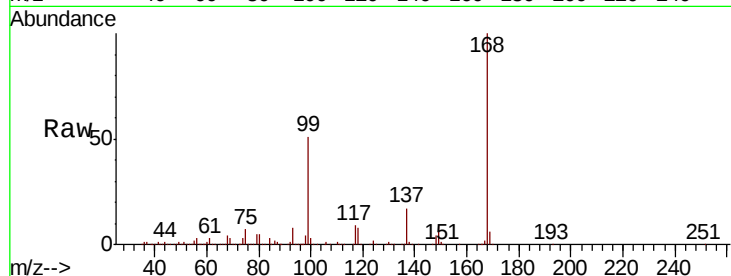
99 50.7 39.2 58.8

Manual Integrations

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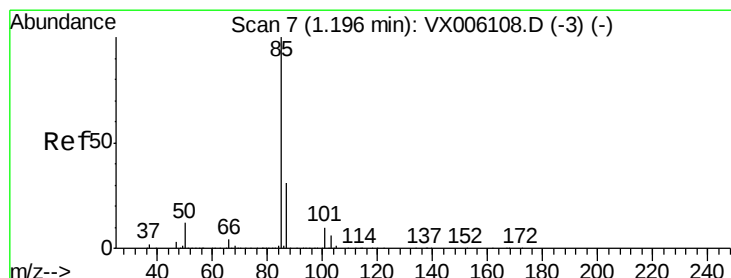
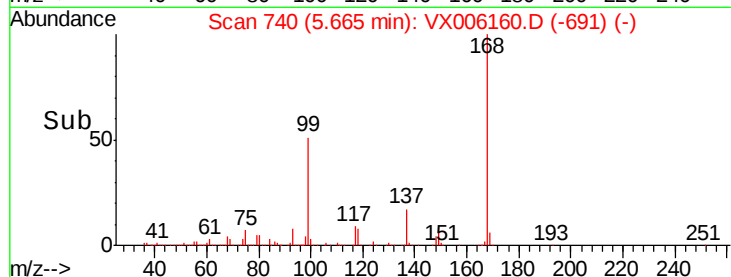
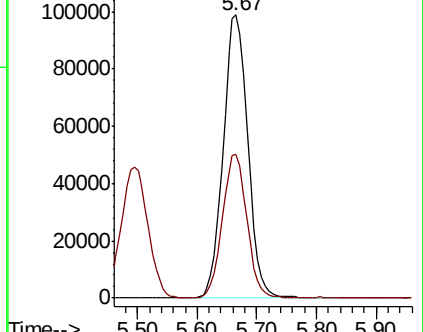
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 48.270 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006160.D

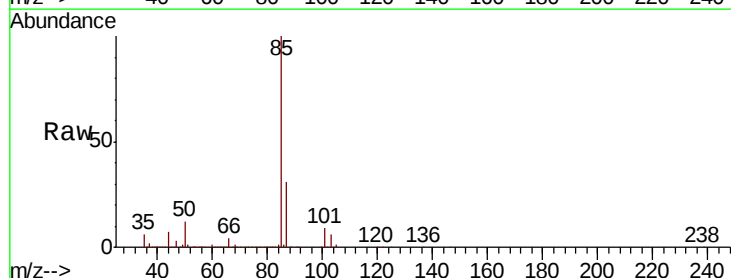
Acq: 22 Nov 2018 08:29

Tgt Ion: 85 Resp: 101944

Ion Ratio Lower Upper

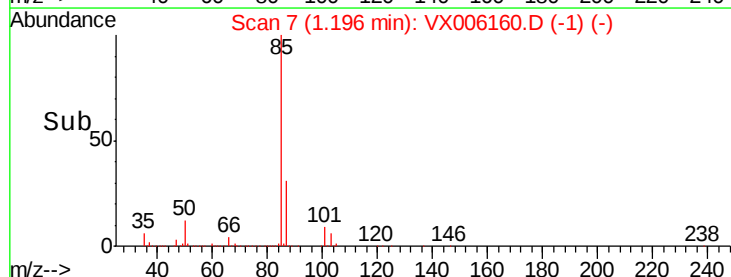
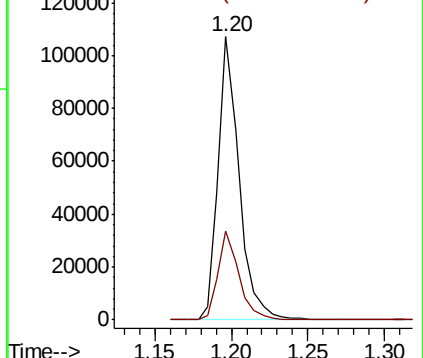
85 100

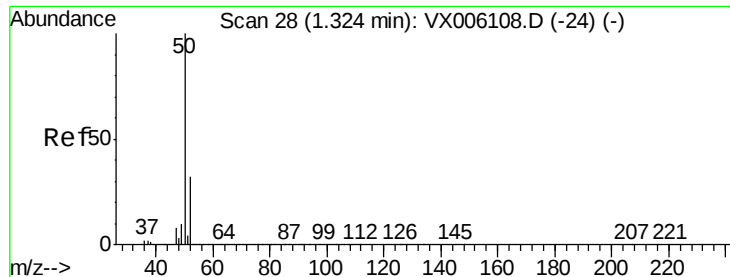
87 31.4 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 49.229 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MSD

Tot Ion: 50 Resp: 131336

Ion Ratio Lower Upper

50 100

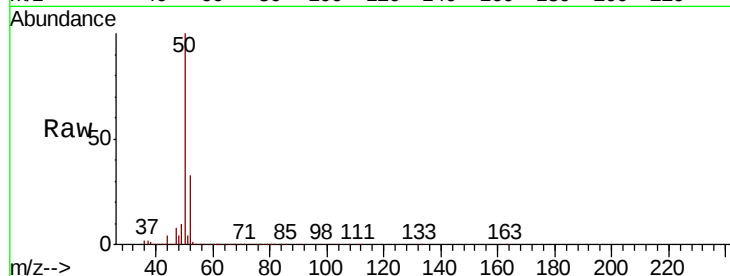
52 32.4 25.6 38.4

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

150000

100000

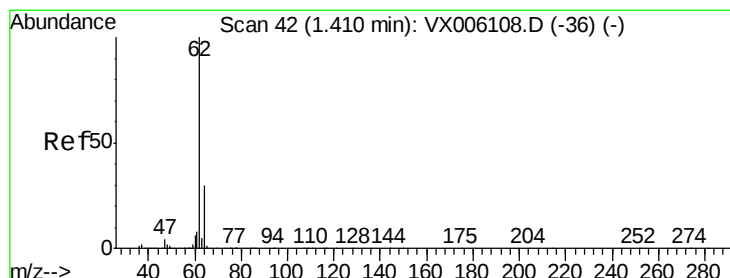
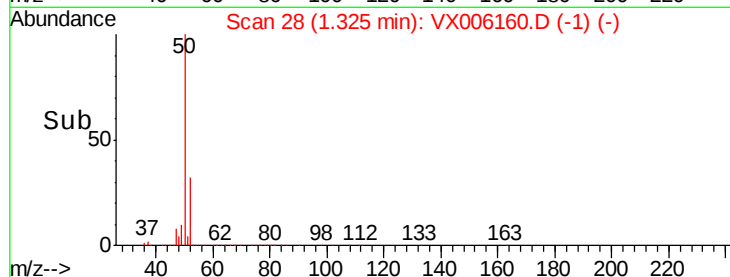
50000

0

1.32

1.25 1.30 1.35 1.40

Time-->



#4

Vinyl Chloride

Concen: 49.530 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006160.D

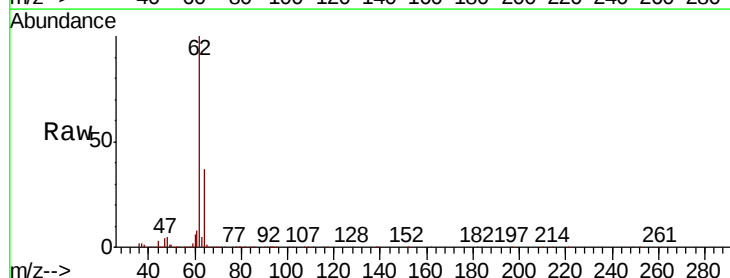
Acq: 22 Nov 2018 08:29

Tgt Ion: 62 Resp: 134409

Ion Ratio Lower Upper

62 100

64 33.8 24.2 36.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

150000

100000

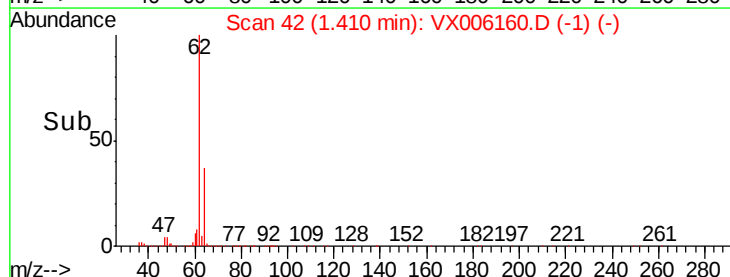
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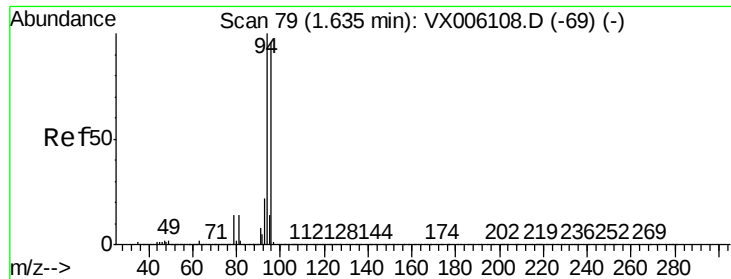
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1.41

1.30 1.35 1.40 1.45 1.50

Time-->





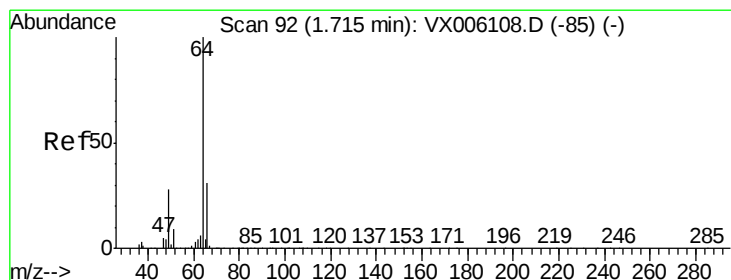
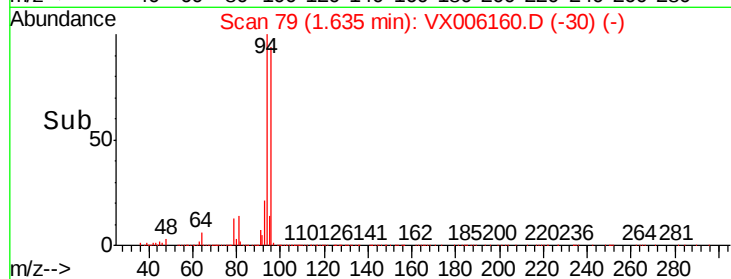
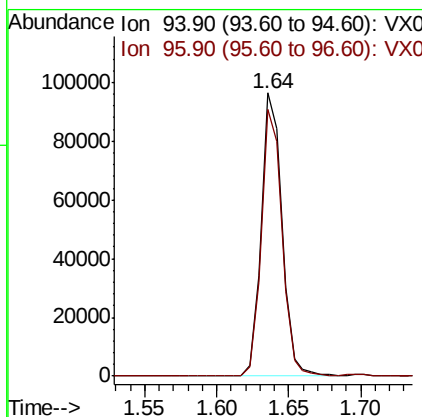
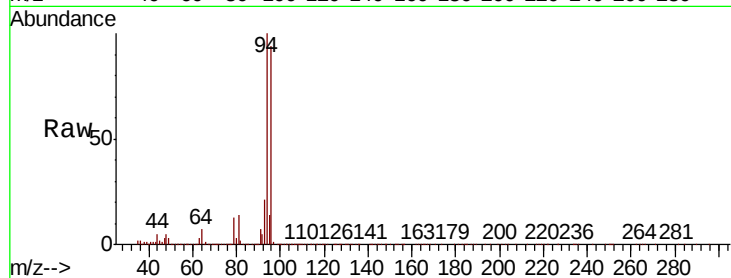
#5
Bromomethane
Concen: 45.750 ug/l
RT: 1.64 min Scan# 79
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MSD

Tot Ion	94	Resp	94774
Ion Ratio	100	Lower	Upper
96	94.4	76.7	115.1

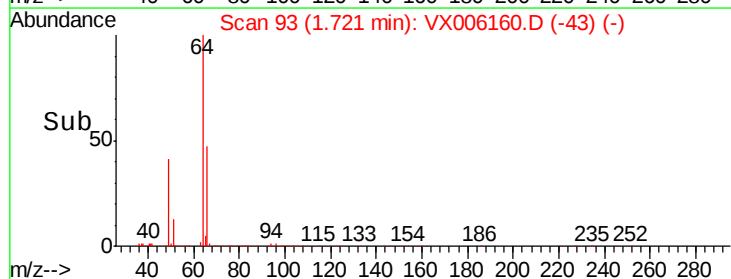
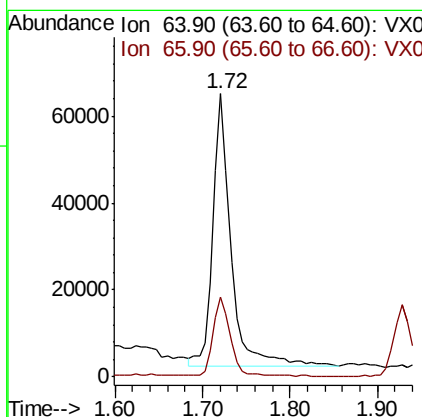
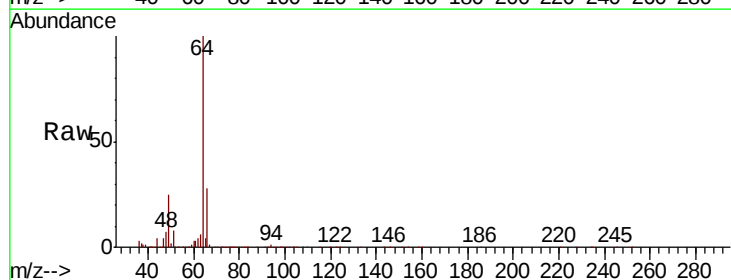
Manual Integrations
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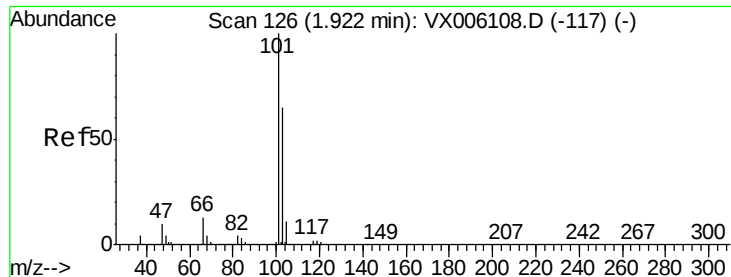
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#6
Chloroethane
Concen: 66.948 ug/l
RT: 1.72 min Scan# 93
Delta R.T. 0.01 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Tgt Ion	64	Resp	89949
Ion Ratio	100	Lower	Upper
66	29.3	25.1	37.7





#7

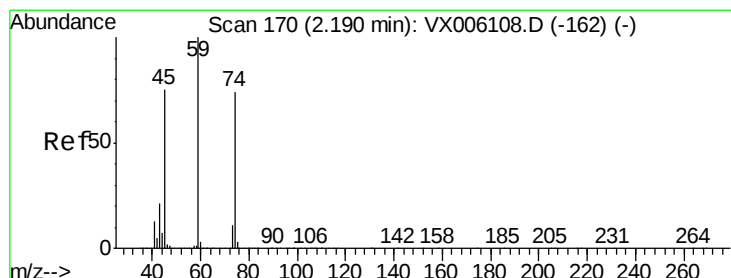
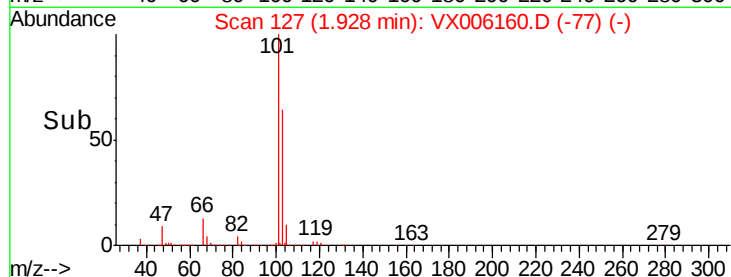
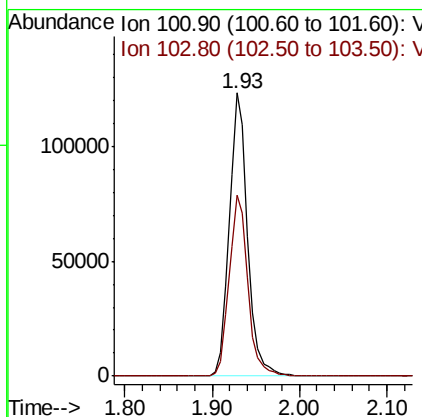
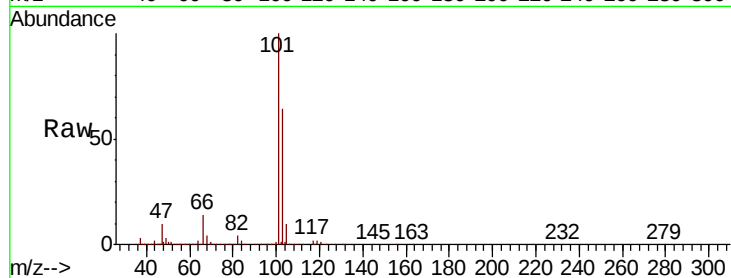
Trichlorofluoromethane
Concen: 50.305 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Instrument :
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ClientSampleId :
MMTW-01MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.1	78.1

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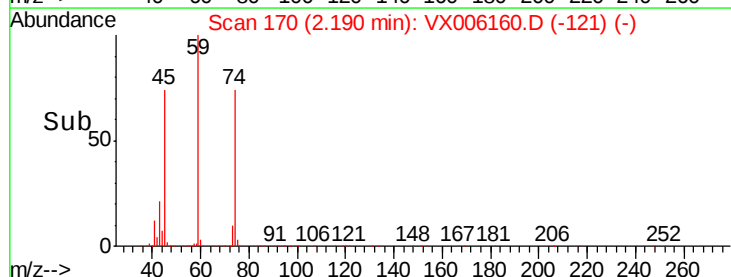
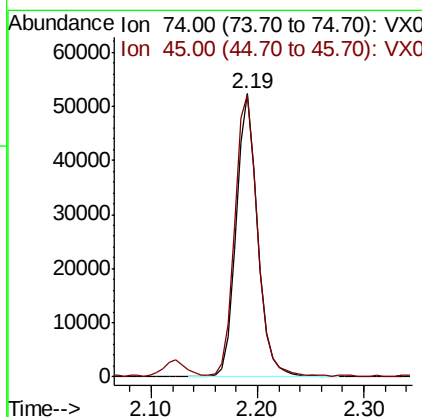
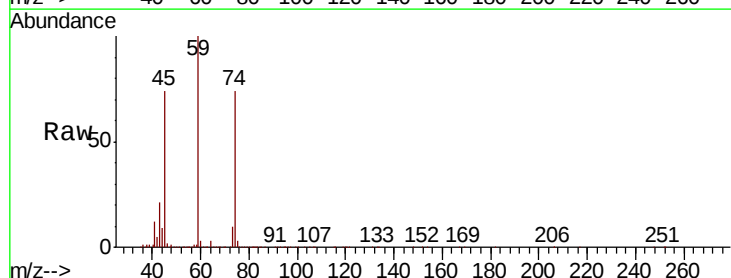
MMDadoda
11/26/2018 9:49:24 AM

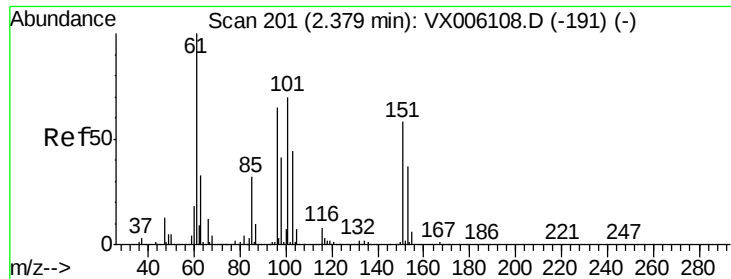


#8

Diethyl Ether
Concen: 49.439 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.4	52.2	156.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.701 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

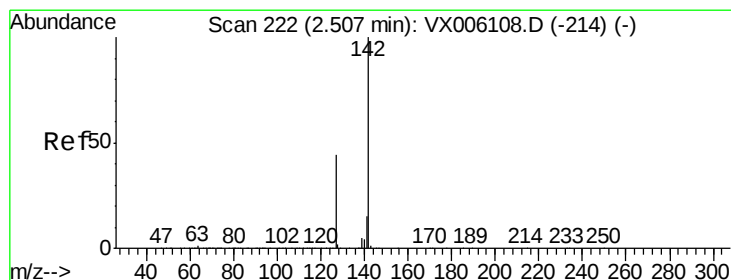
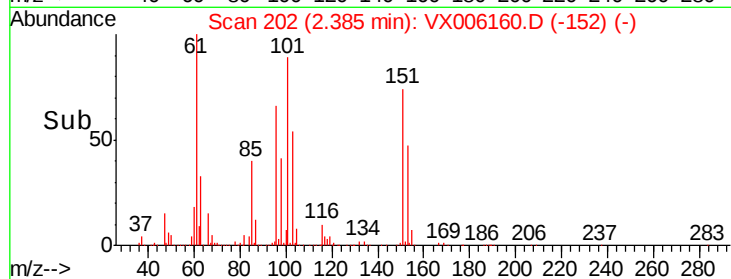
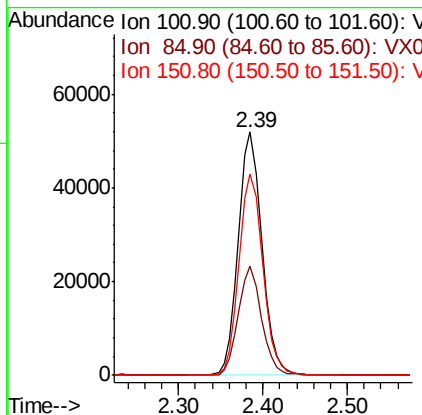
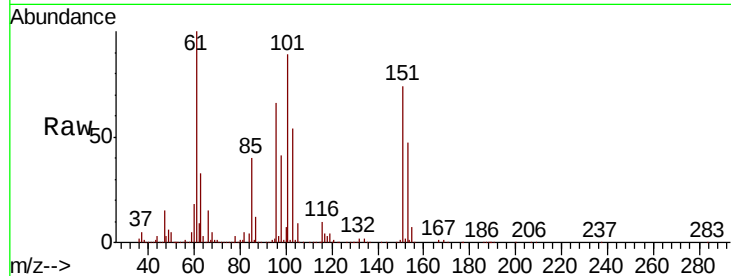
ClientSampleId :

MMTW-01MSD

Tot Ion:	101	Resp:	98309
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.0	54.0
151	83.4	65.8	98.6

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#10

Methyl Iodide

Concen: 41.586 ug/l

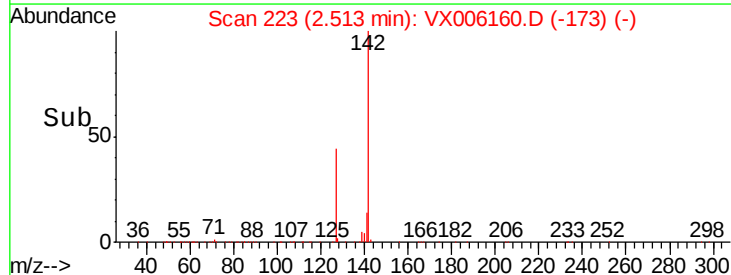
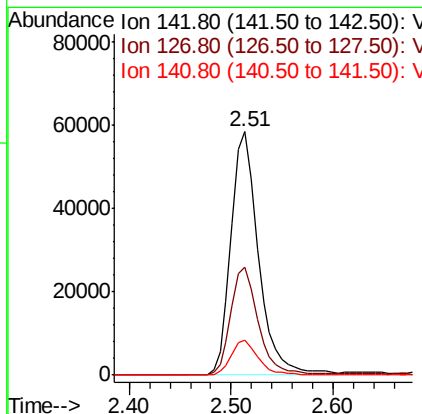
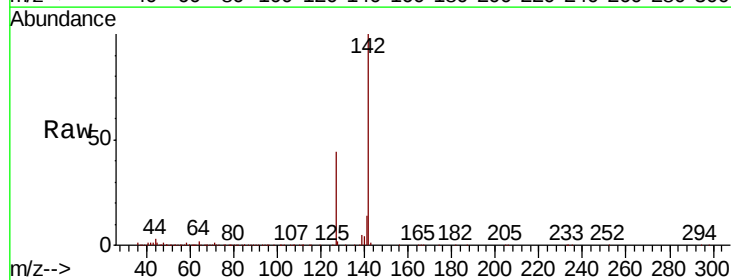
RT: 2.51 min Scan# 223

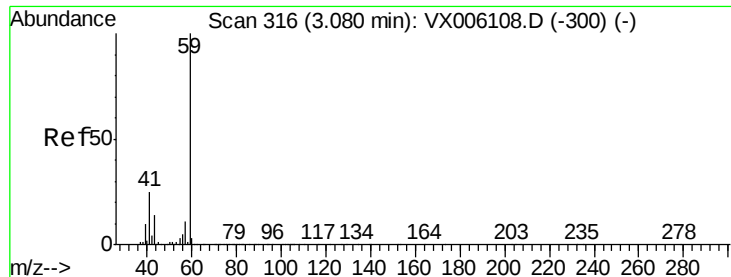
Delta R.T. 0.01 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Tgt Ion:	142	Resp:	109755
Ion Ratio	Lower	Upper	
142	100		
127	44.7	36.0	54.0
141	14.2	11.7	17.5





#11

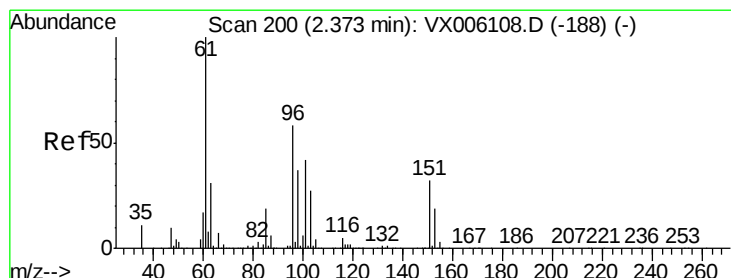
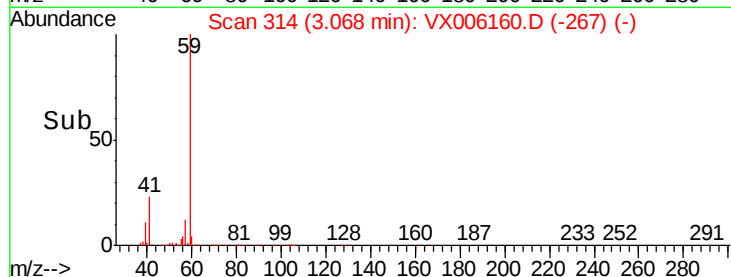
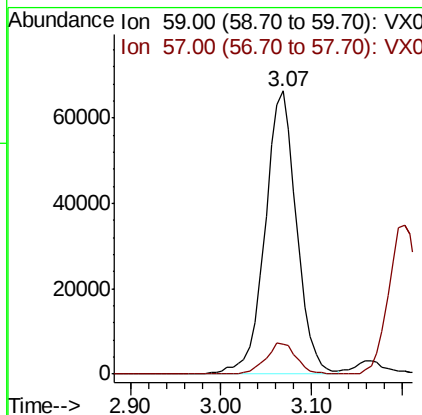
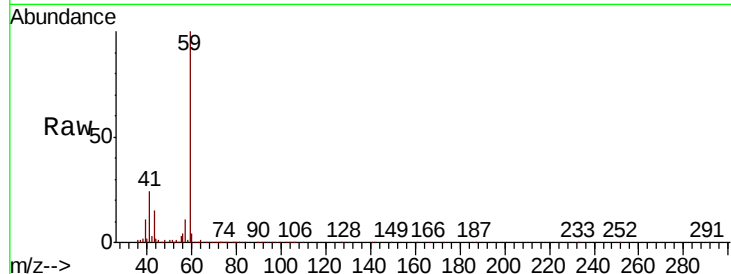
Tert butyl alcohol
Concen: 226.757 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MSD

Tot Ion: 59 Resp: 158855
Ion Ratio Lower Upper
59 100
57 10.4 8.7 13.1

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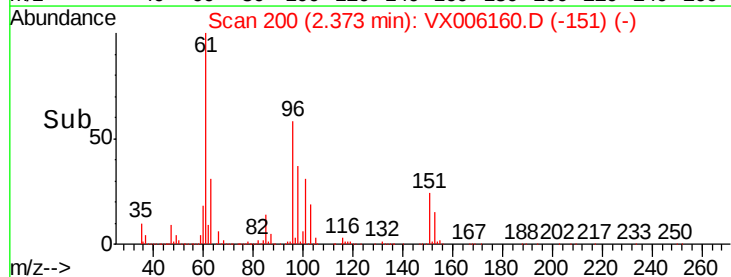
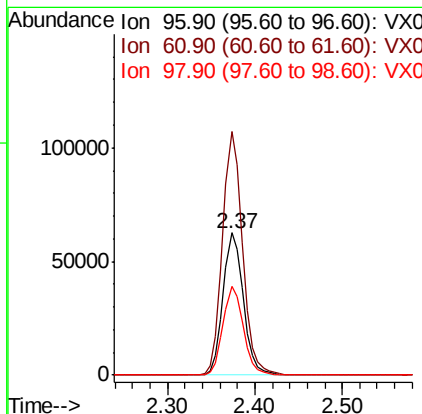
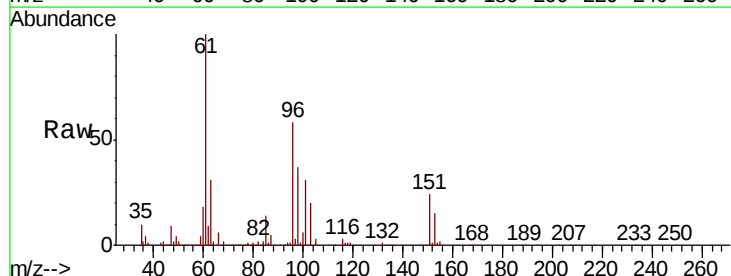
MMDadoda
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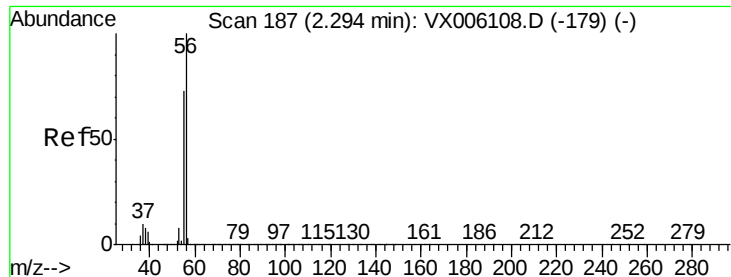


#12

1,1-Dichloroethene
Concen: 49.173 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Tgt Ion: 96 Resp: 100911
Ion Ratio Lower Upper
96 100
61 171.3 138.2 207.4
98 62.7 51.3 76.9





#13

Acrolein

Concen: 234.374 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MSD

Tot Ion: 56 Resp: 98250

Ion Ratio Lower Upper

56 100

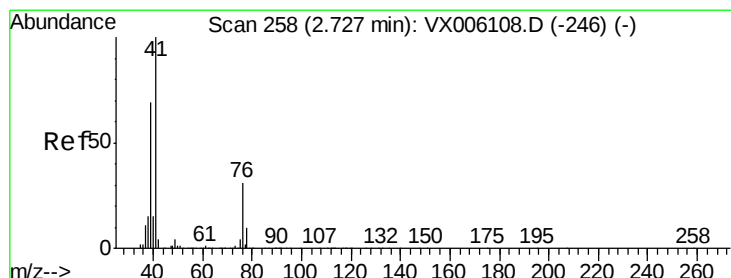
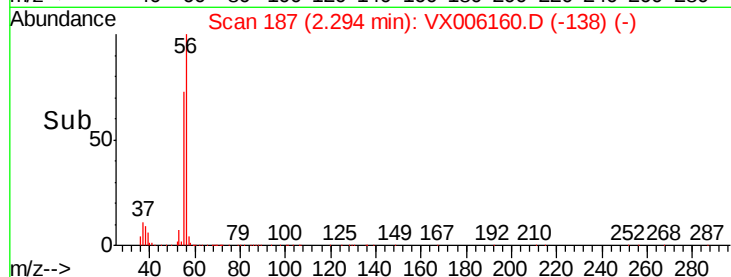
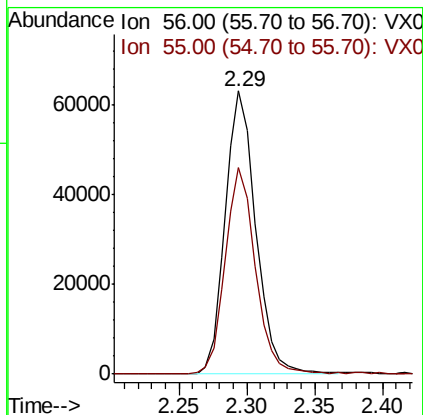
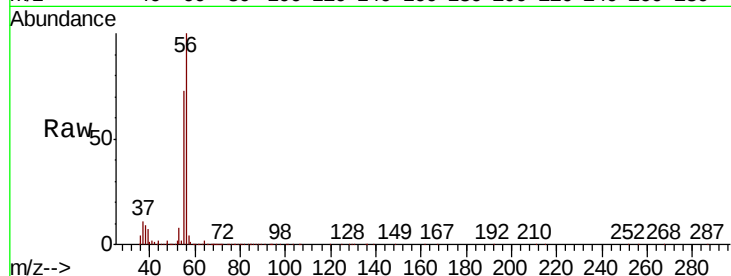
55 71.9 57.8 86.6

Manual Integrations

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#14

Allyl chloride

Concen: 48.690 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

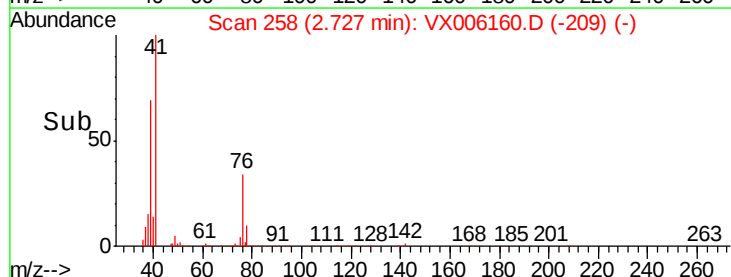
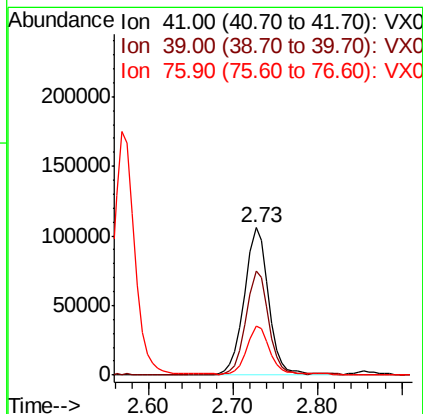
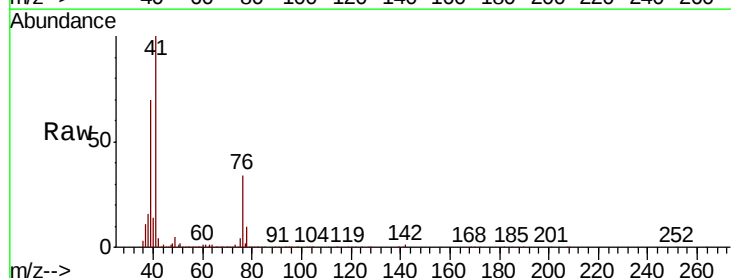
Tgt Ion: 41 Resp: 204425

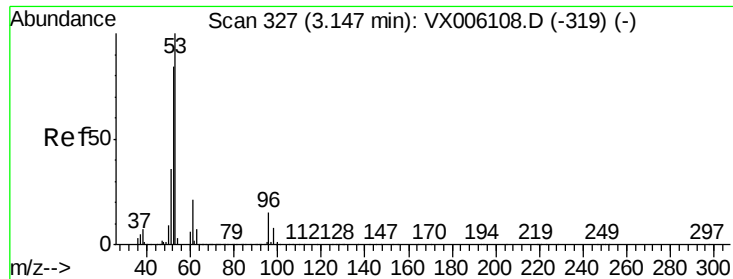
Ion Ratio Lower Upper

41 100

39 65.6 52.5 78.7

76 30.9 23.4 35.2





#15

Acrylonitrile

Concen: 241.933 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

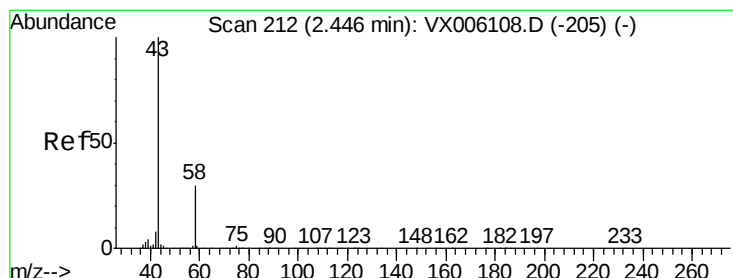
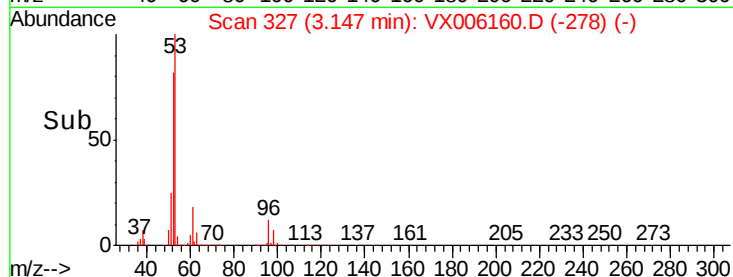
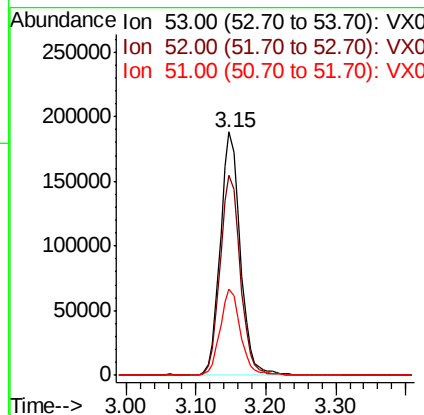
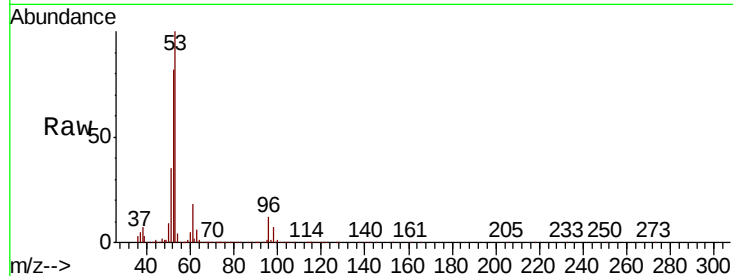
ClientSampleId :

MMTW-01MSD

Tot Ion:	53	Resp:	374355
Ion Ratio	Lower	Upper	
53	100		
52	82.7	66.4	99.6
51	36.3	29.4	44.0

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#16

Acetone

Concen: 232.068 ug/l

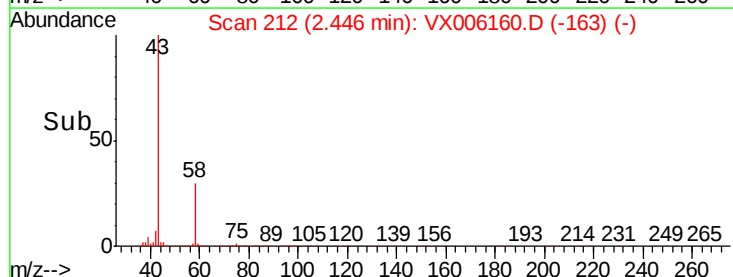
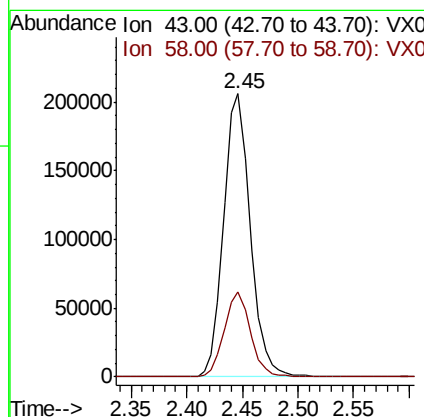
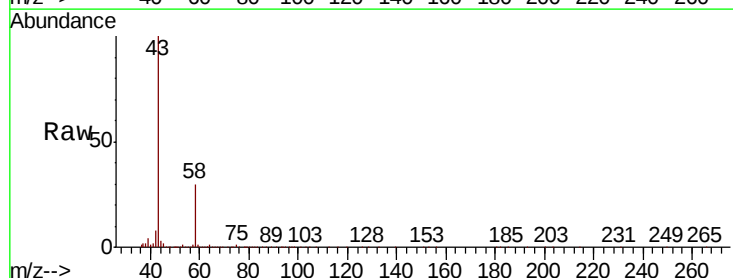
RT: 2.45 min Scan# 212

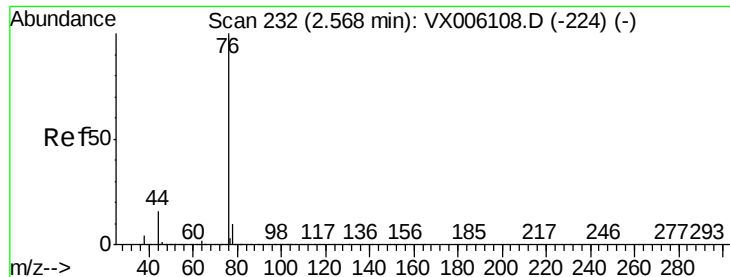
Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Tgt Ion:	43	Resp:	339130
Ion Ratio	Lower	Upper	
43	100		
58	29.9	23.8	35.8





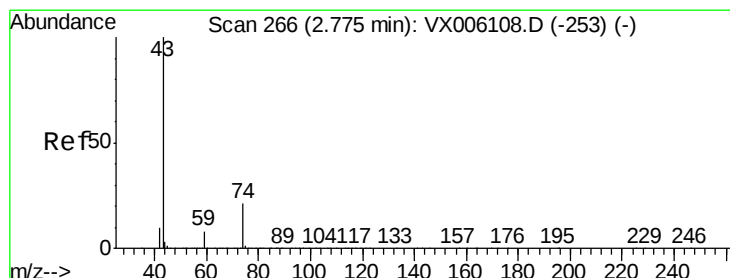
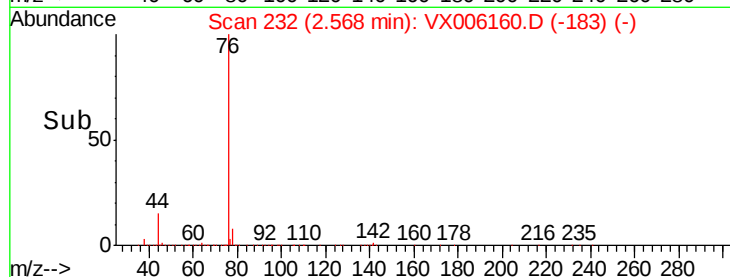
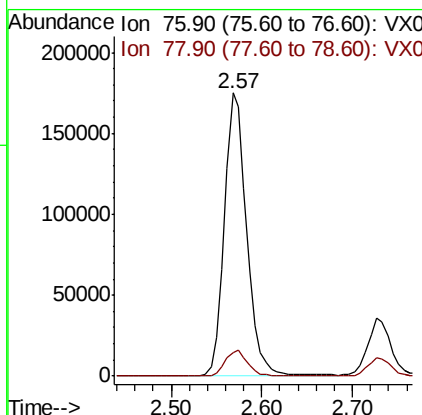
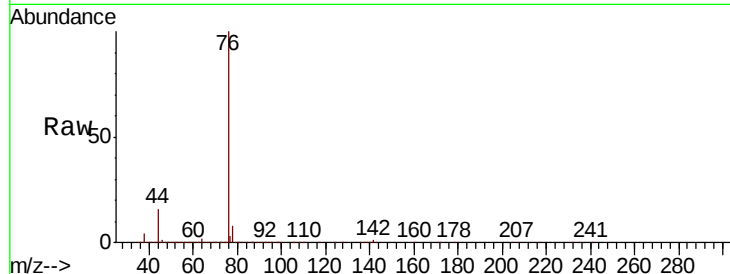
#17
Carbon Disulfide
Concen: 54.204 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	7.7	11.5

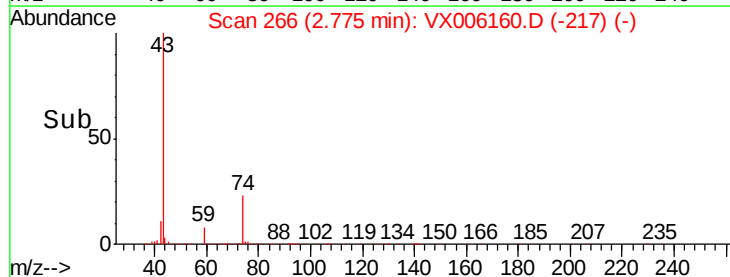
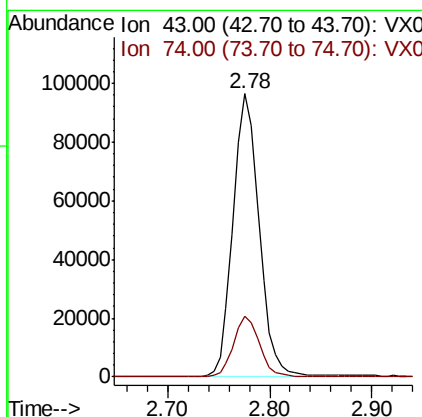
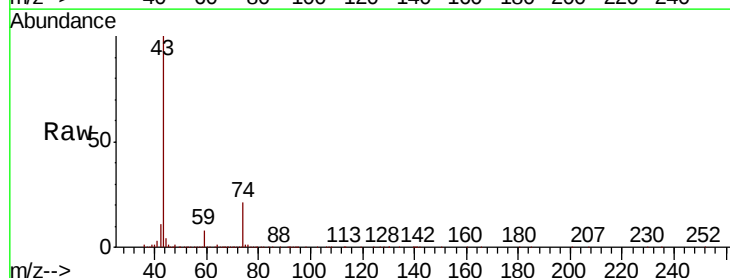
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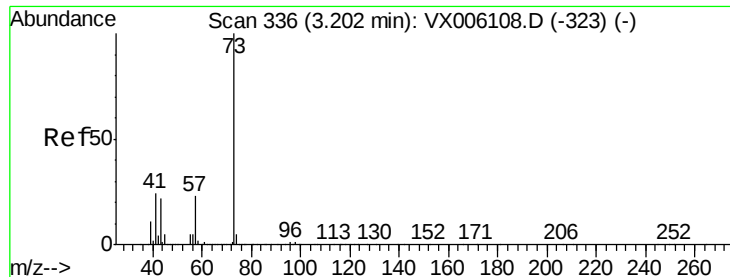
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#18
Methyl Acetate
Concen: 45.256 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.3	25.9





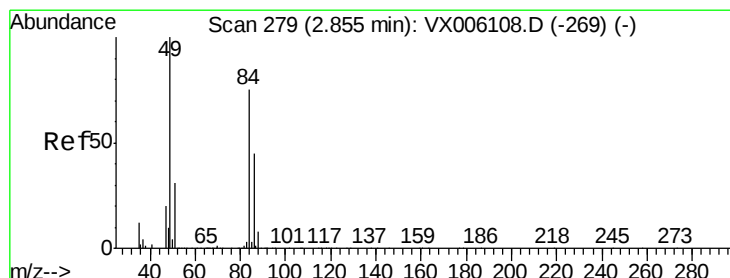
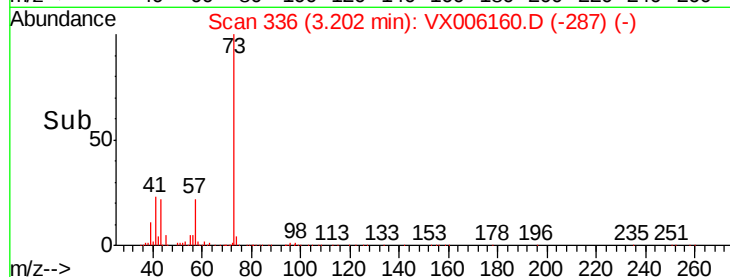
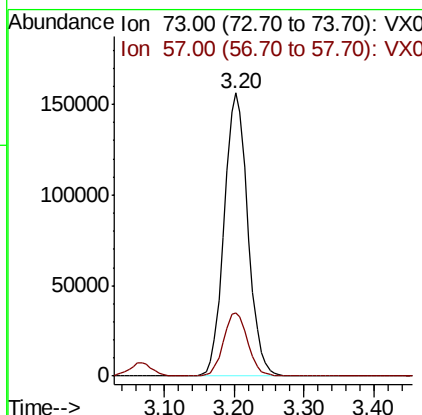
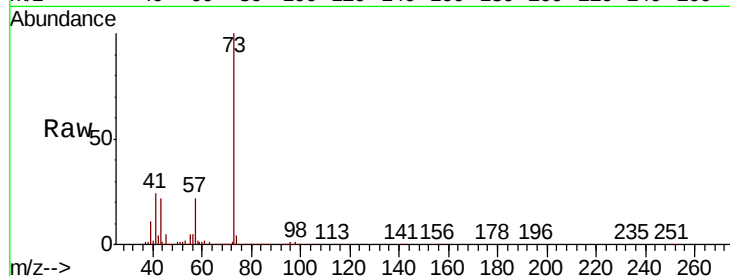
#19
Methvl tert-butvl Ether
Concen: 51.684 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MSD

Tot Ion: 73 Resp: 366613
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.4

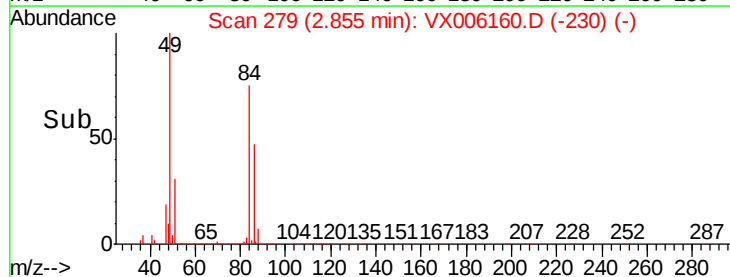
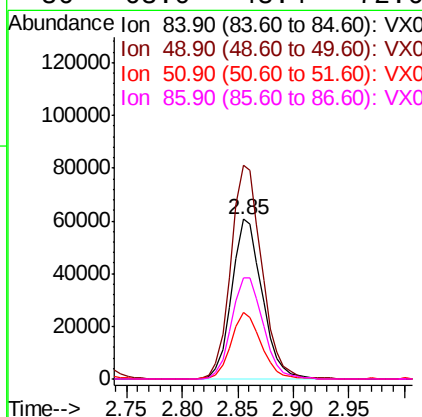
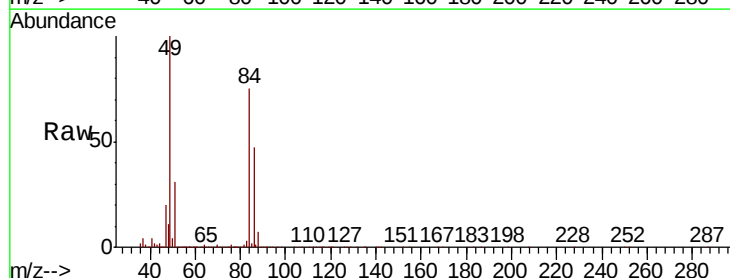
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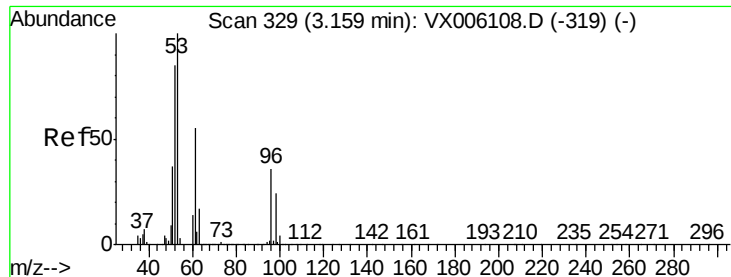
MMDadoda
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#20
Methylene Chloride
Concen: 52.015 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Tgt Ion: 84 Resp: 115019
Ion Ratio Lower Upper
84 100
49 133.6 106.6 159.8
51 41.3 32.6 49.0
86 63.0 48.4 72.6





#21

trans-1,2-Dichloroethene

Concen: 51.359 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

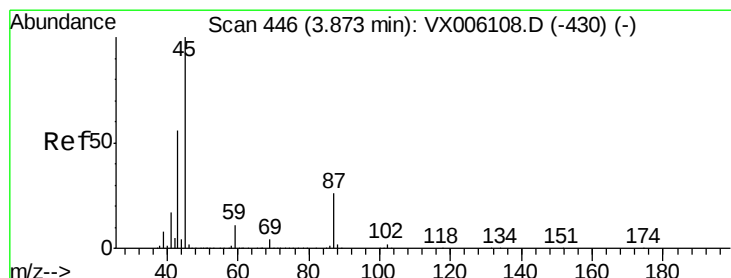
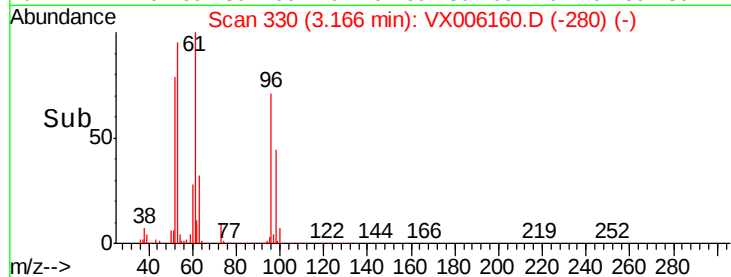
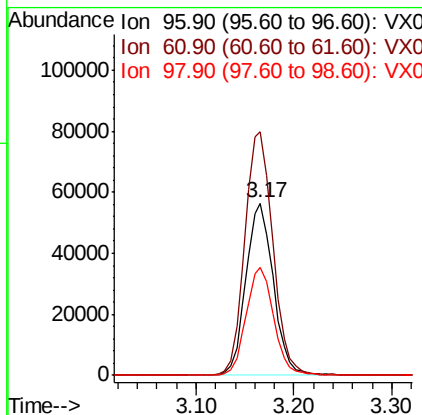
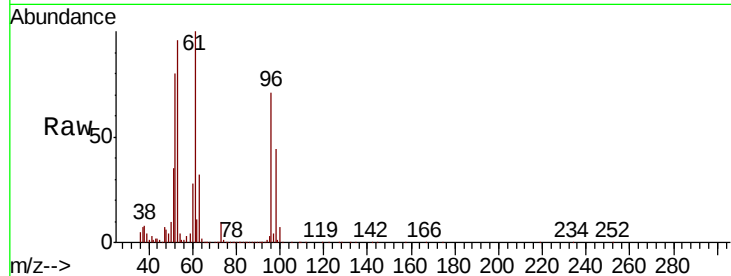
ClientSampleId :

MMTW-01MSD

Tot Ion:	96	Resp:	110273
Ion	Ratio	Lower	Upper
96	100		
61	141.3	122.0	183.0
98	62.5	52.7	79.1

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#22

Diisopropyl ether

Concen: 53.718 ug/l

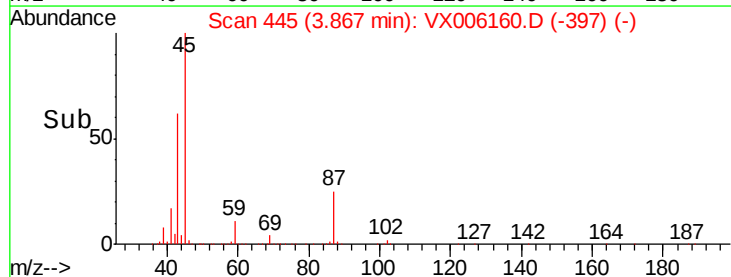
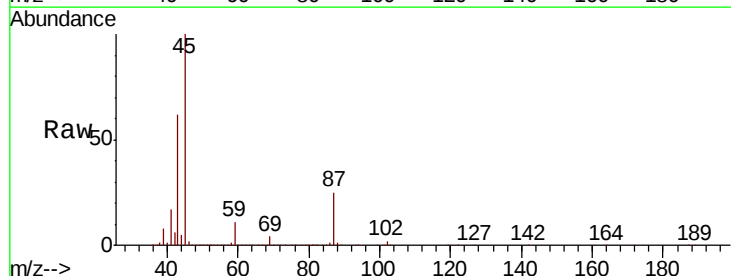
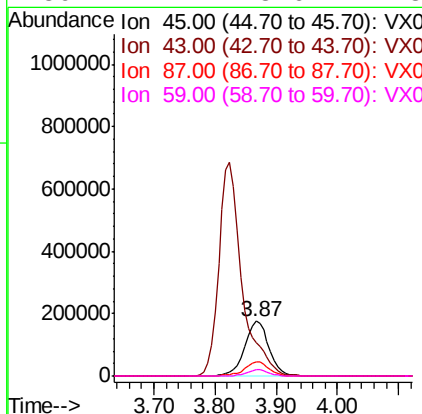
RT: 3.87 min Scan# 445

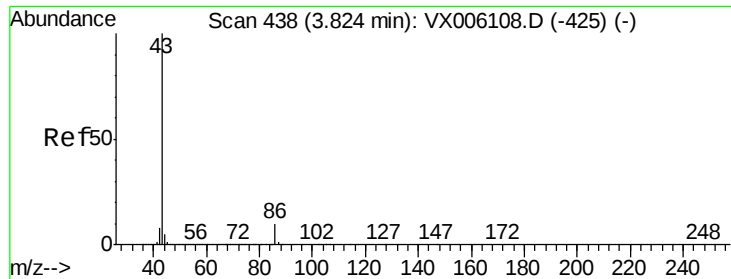
Delta R.T. -0.01 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Tgt Ion:	45	Resp:	482801
Ion	Ratio	Lower	Upper
45	100		
43	62.0	45.8	68.8
87	25.4	21.0	31.4
59	11.4	8.6	12.8





#23

Vinyl Acetate

Concen: 242.453 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MSD

Tot Ion: 43 Resp: 1807851

Ion Ratio Lower Upper

43 100

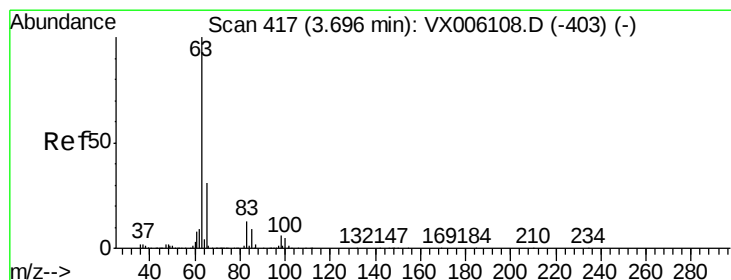
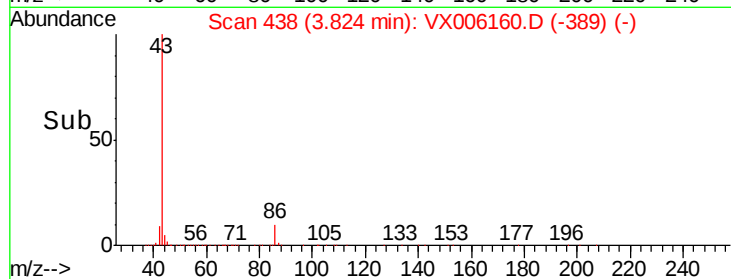
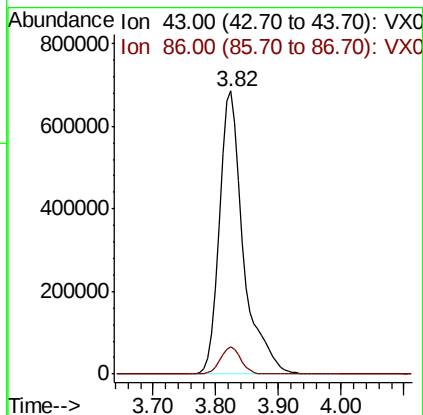
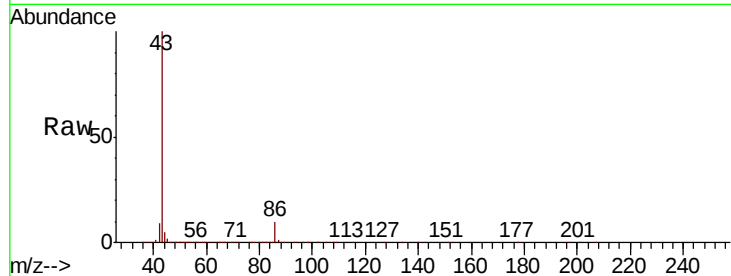
86 9.5 7.6 11.4

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#24

1,1-Dichloroethane

Concen: 51.000 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

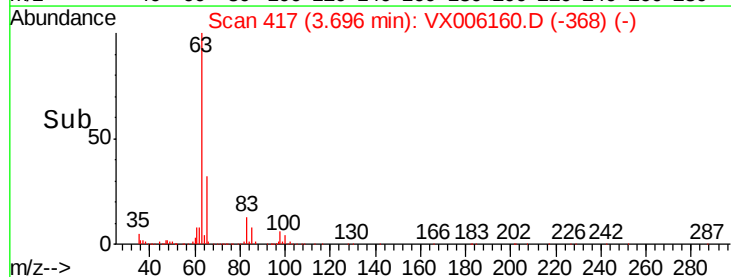
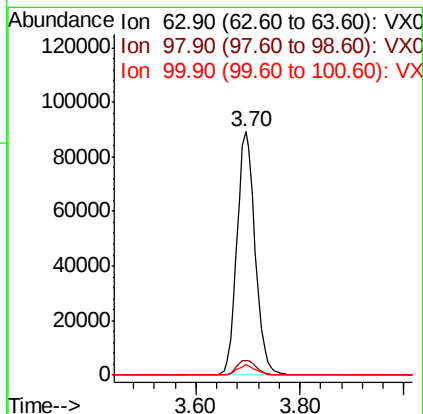
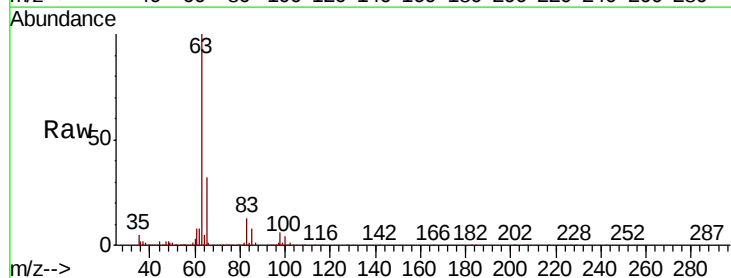
Tgt Ion: 63 Resp: 215950

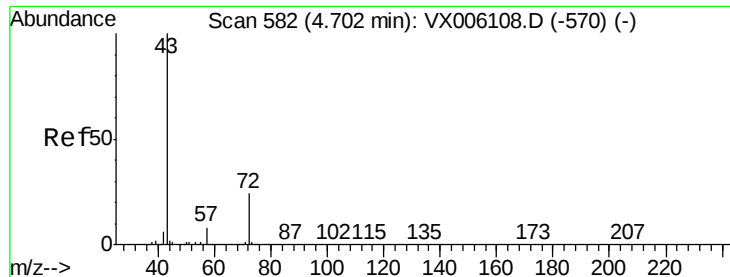
Ion Ratio Lower Upper

63 100

98 6.0 3.3 9.8

100 4.3 2.4 7.1





#25

2-Butanone

Concen: 239.574 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MSD

Tot Ion: 43 Resp: 649831

Ion Ratio Lower Upper

43 100

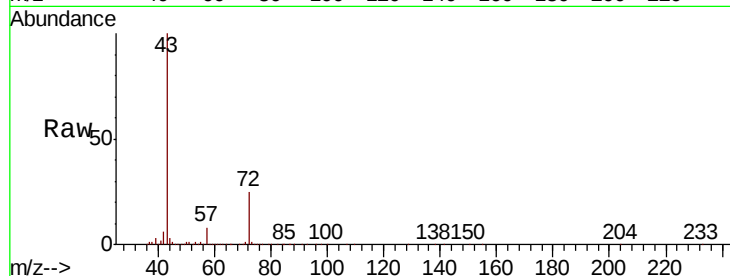
72 24.7 19.2 28.8

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

100000

50000

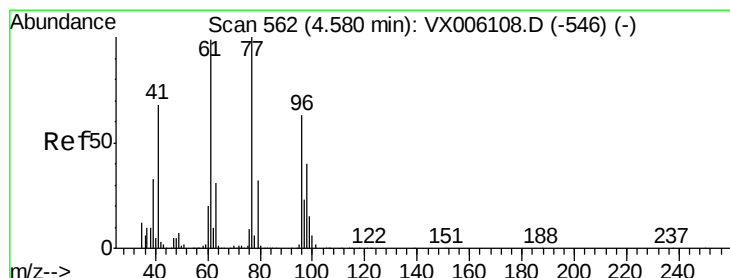
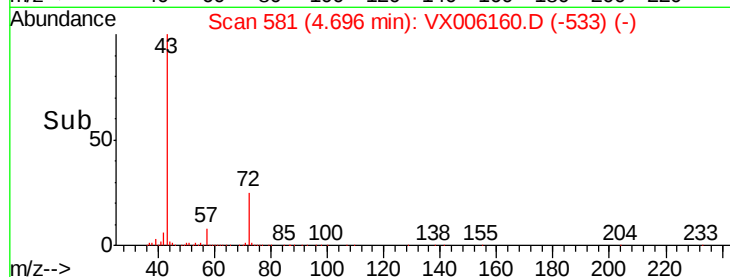
0

4.60

4.70

4.80

Time-->



#26

2,2-Dichloropropane

Concen: 37.252 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX006160.D

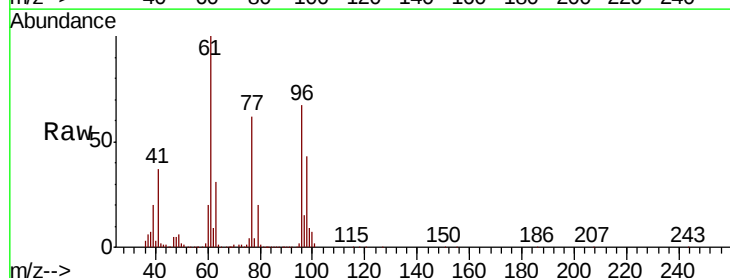
Acq: 22 Nov 2018 08:29

Tgt Ion: 77 Resp: 130005

Ion Ratio Lower Upper

77 100

97 24.6 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

20000

10000

0

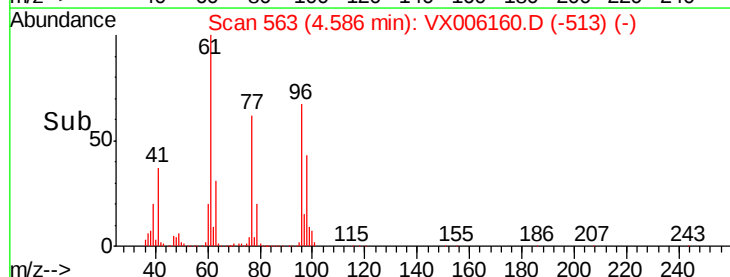
4.40

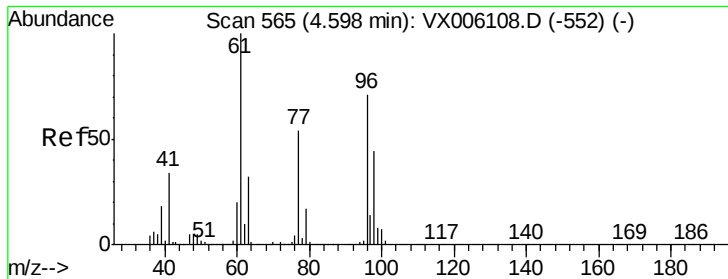
4.50

4.60

4.70

Time-->





#27

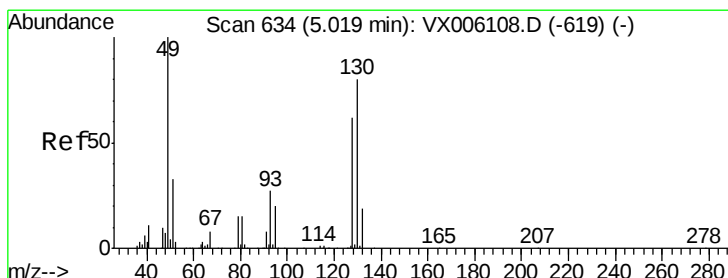
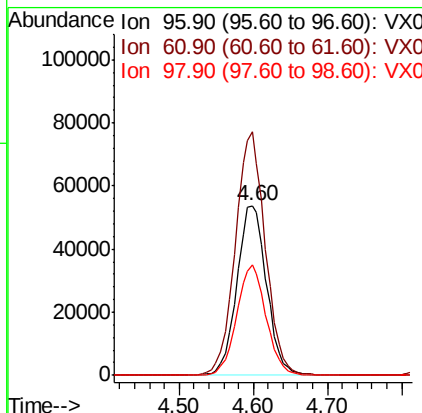
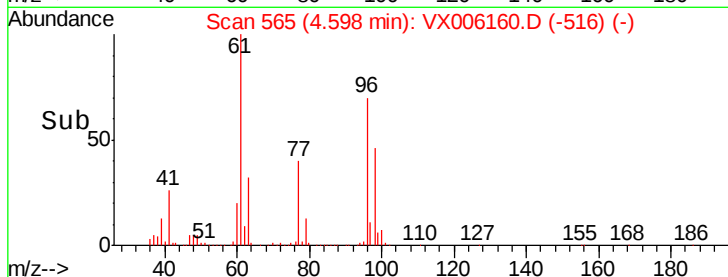
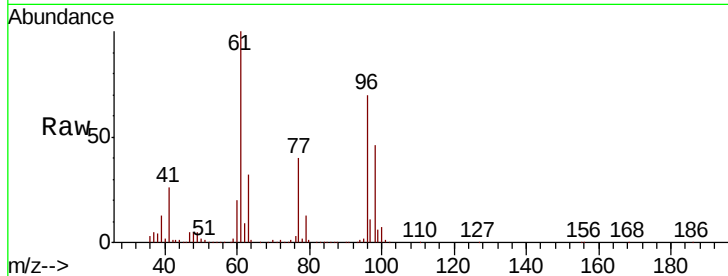
cis-1,2-Dichloroethene
Concen: 50.217 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	150697		
61	143.5	0.0	291.6	
98	64.2	0.0	128.2	

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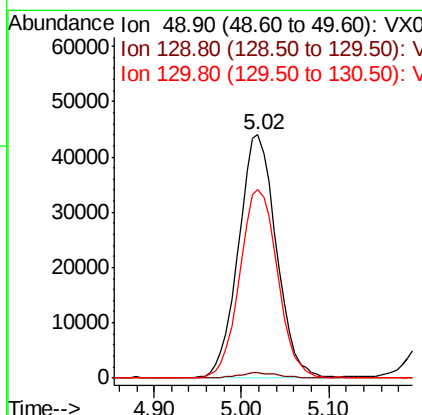
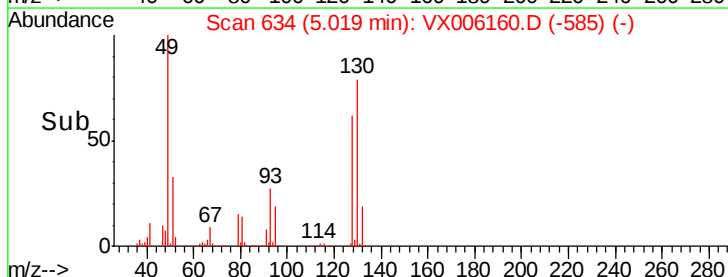
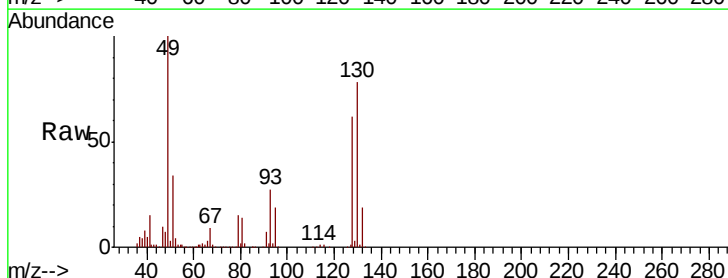
MMDadoda
11/26/2018 9:49:24 AM

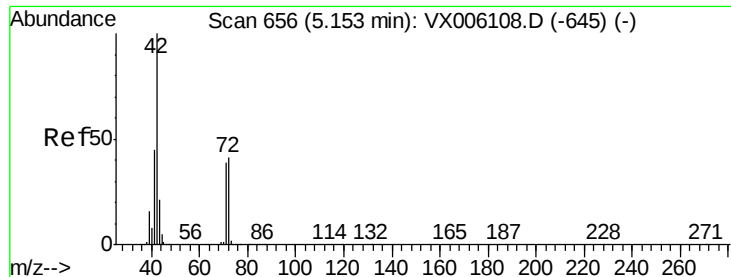


#28

Bromochloromethane
Concen: 53.456 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	131921		
129	2.3	0.0	4.4	
130	78.0	61.6	92.4	





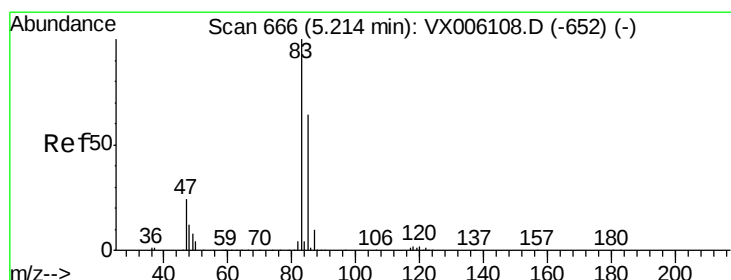
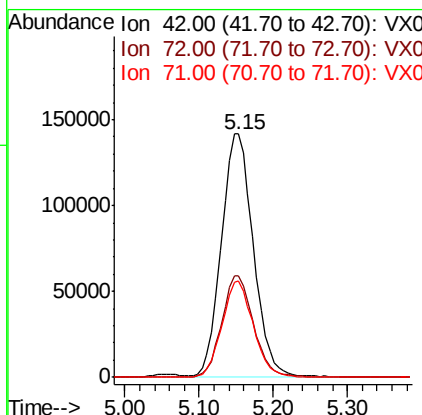
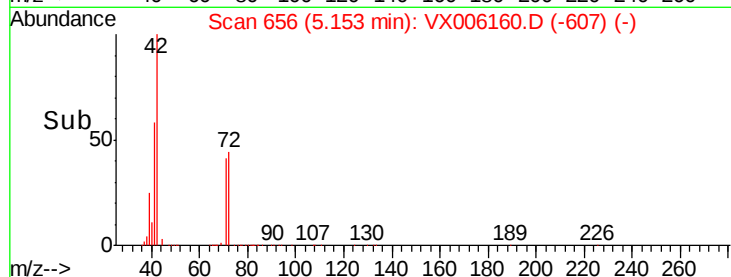
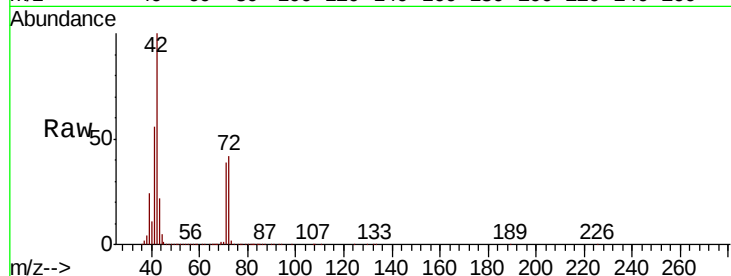
#29
Tetrahydrofuran
Concen: 250.032 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.0	49.6
71	38.7	31.0	46.4

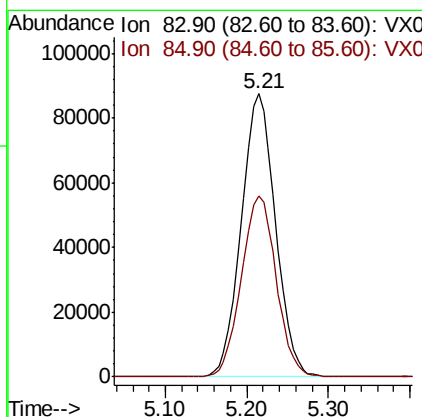
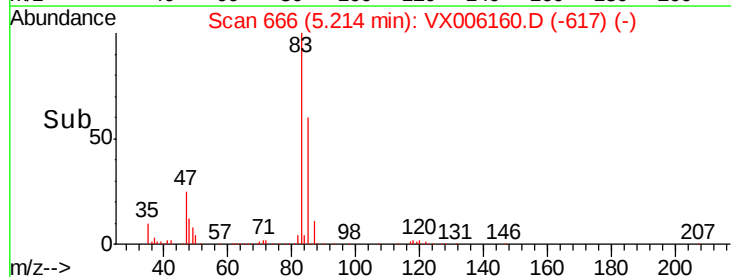
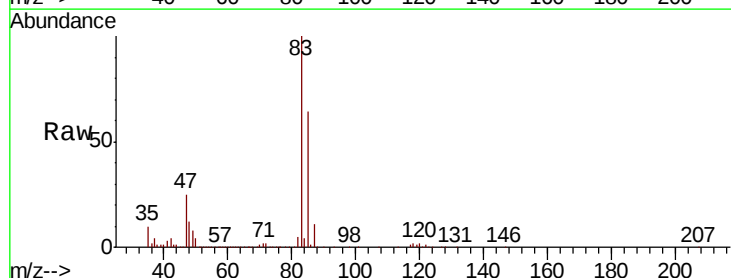
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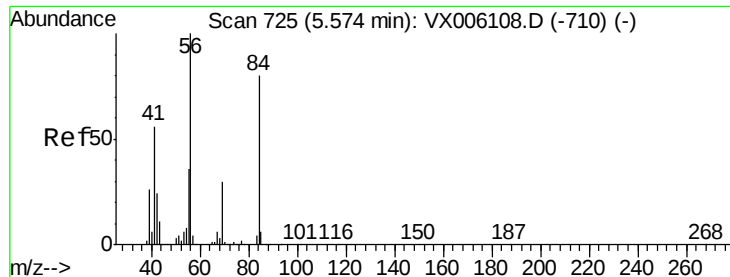
MMDadoda
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#30
Chloroform
Concen: 49.791 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.0	76.4





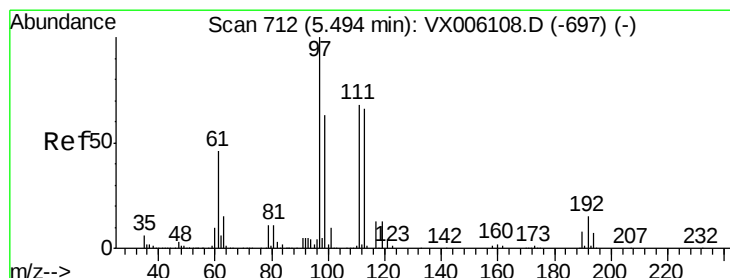
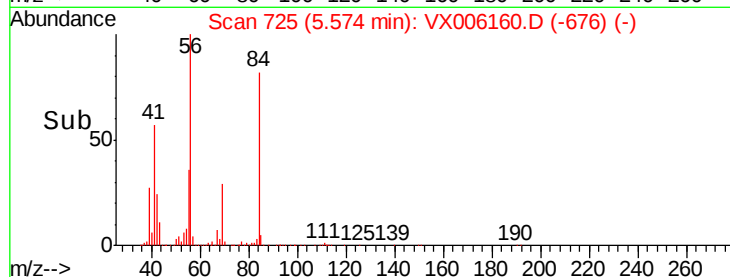
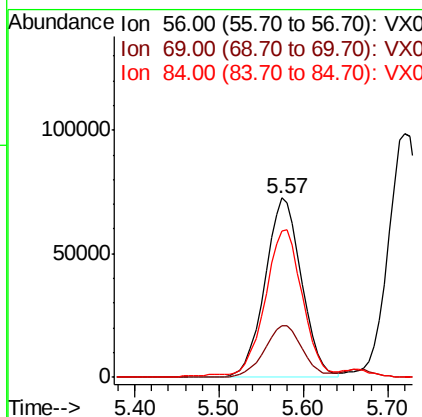
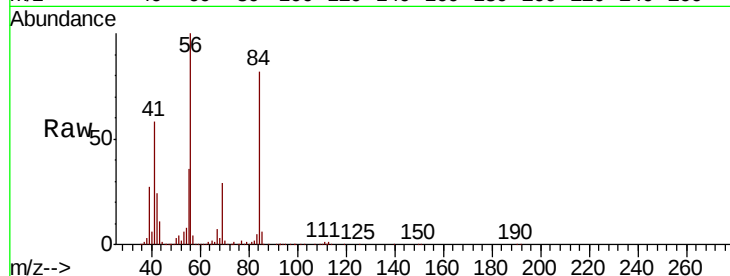
#31
Cyclohexane
Concen: 49.048 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.9	35.9
84	81.0	63.6	95.4

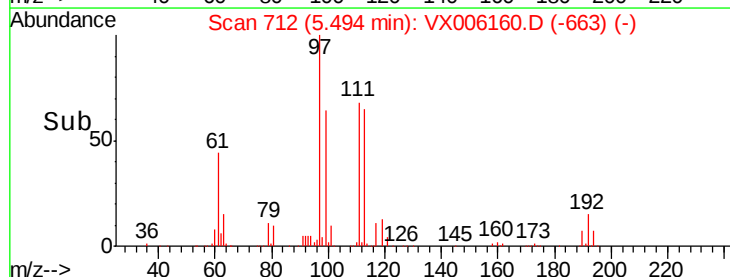
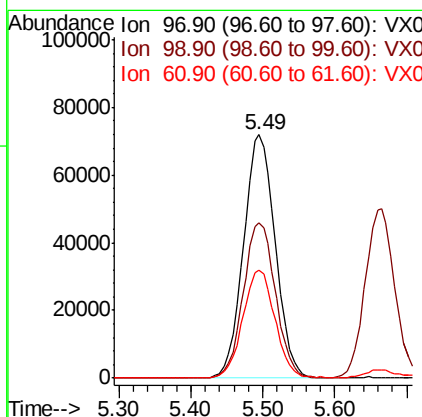
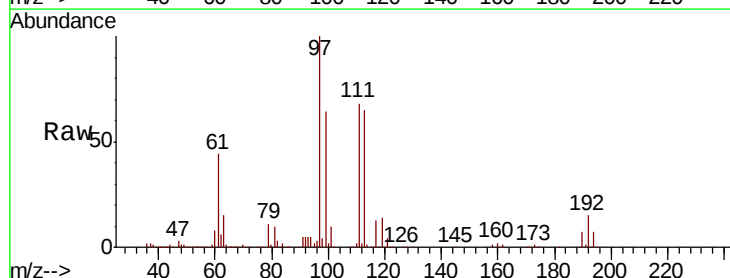
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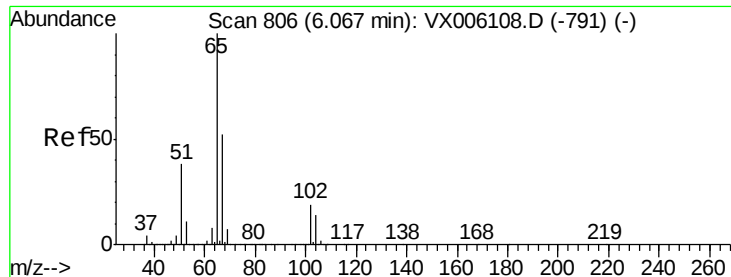
MMDadoda
11/26/2018 9:49:24 AM



#32
1,1,1-Trichloroethane
Concen: 53.094 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	44.6	36.6	55.0





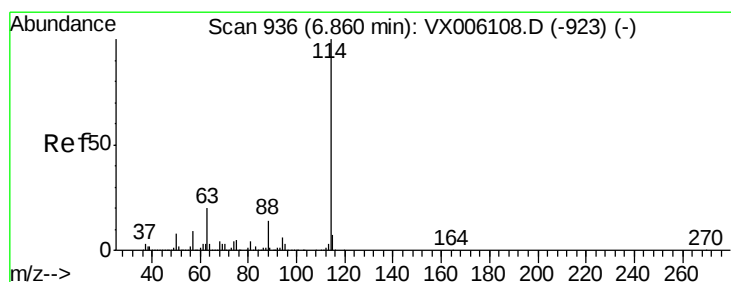
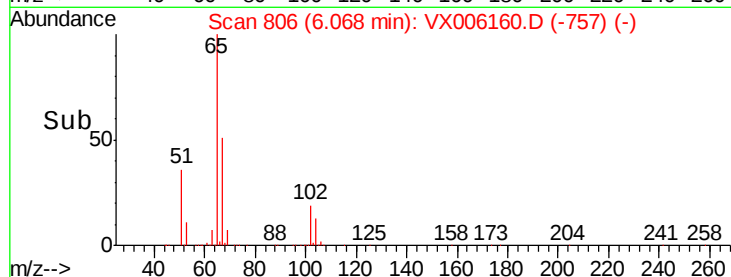
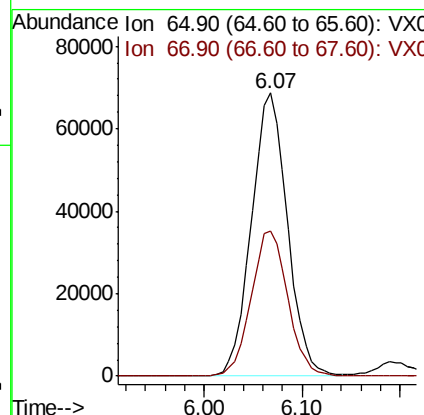
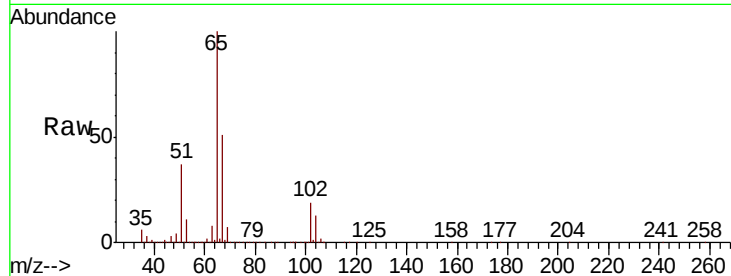
#33
 1,2-Dichloroethane-d4
 Concen: 53.523 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006160.D
 Acq: 22 Nov 2018 08:29

Instrument :
 MSVOA_X
 ClientSampleId :
 MMTW-01MSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	105.8

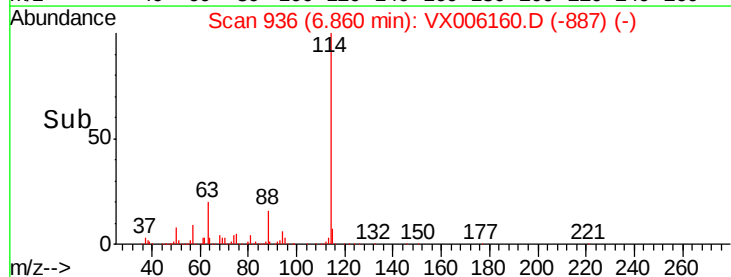
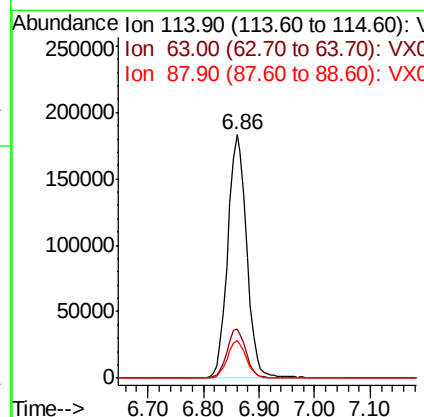
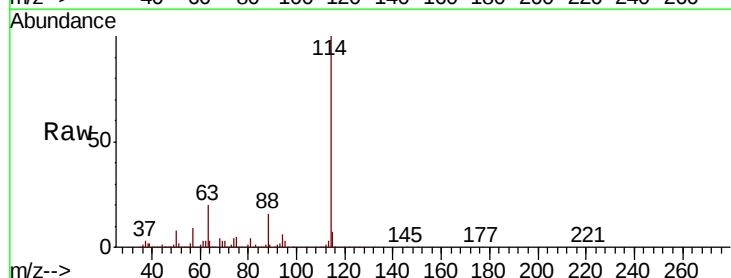
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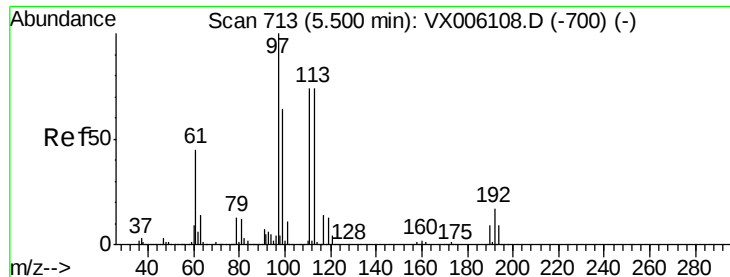
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006160.D
 Acq: 22 Nov 2018 08:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.2
88	15.6	0.0	28.6





#35

Dibromofluoromethane

Concen: 51.019 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

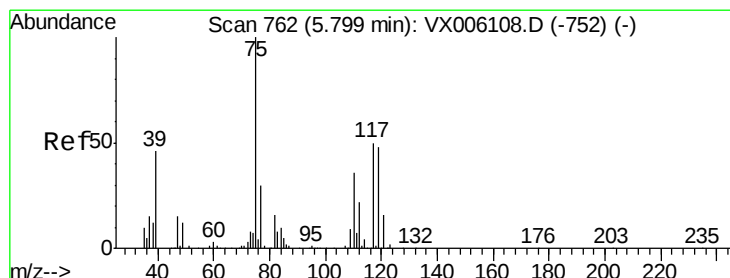
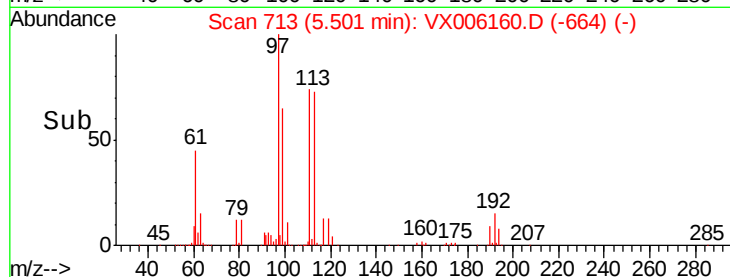
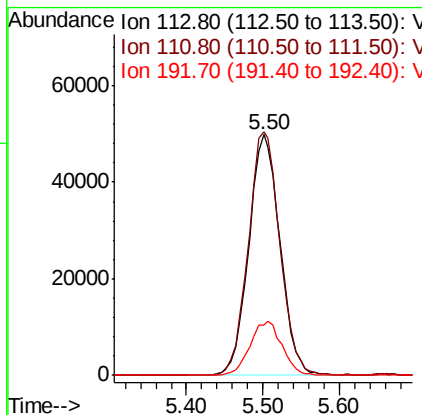
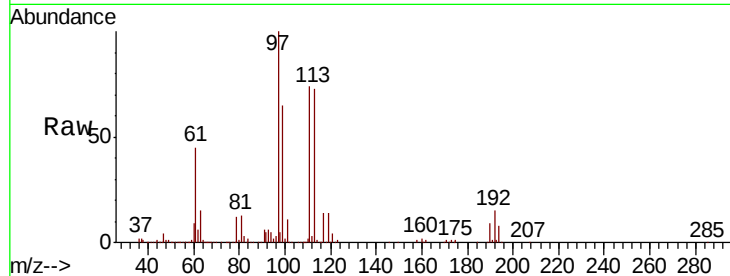
ClientSampleId :

MMTW-01MSD

Tot Ion:	113	Resp:	141517
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.5	122.3
192	23.1	18.6	28.0

Manual Integrations
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11/26/2018 9:49:24 AM



#36

1,1-Dichloropropene

Concen: 48.118 ug/l

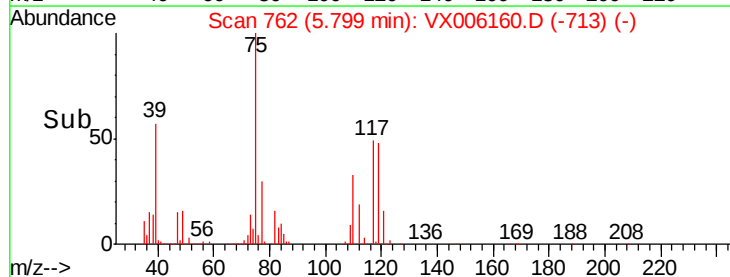
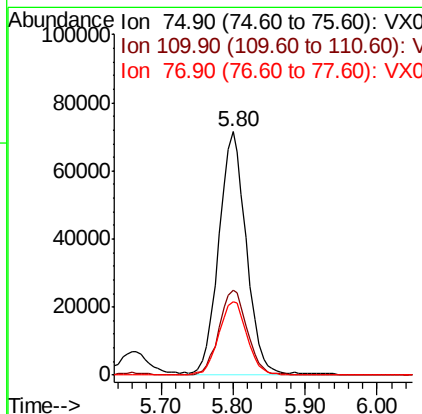
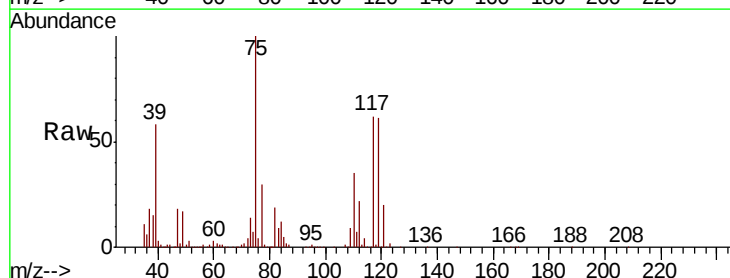
RT: 5.80 min Scan# 762

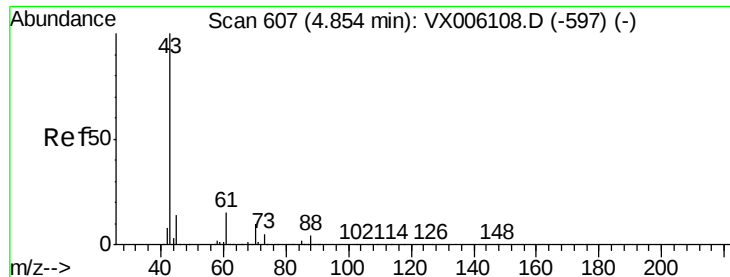
Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Tgt Ion:	75	Resp:	189158
Ion Ratio	Lower	Upper	
75	100		
110	36.1	17.8	53.3
77	30.7	24.5	36.7





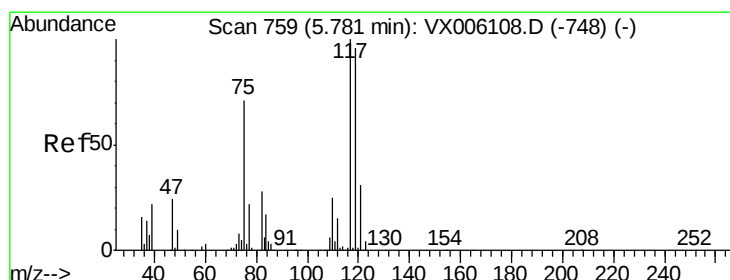
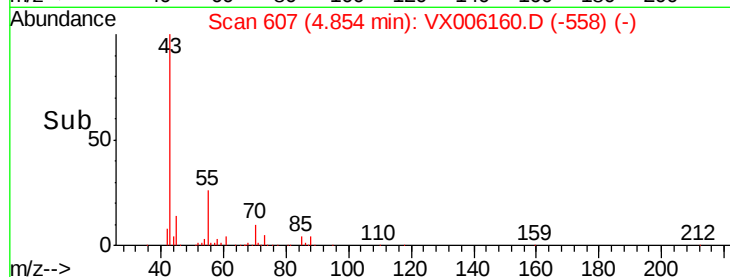
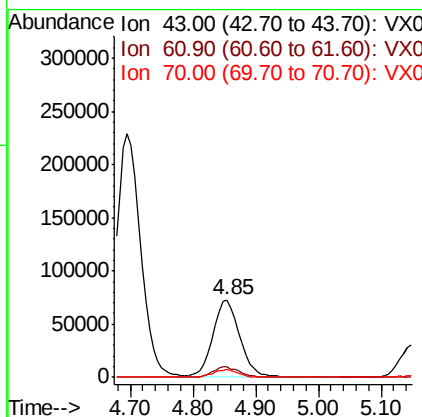
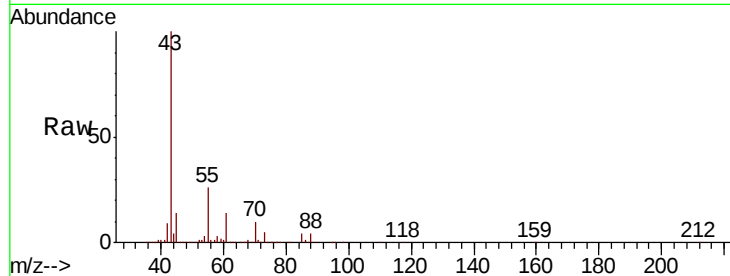
#37
Ethyl Acetate
Concen: 42.543 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.5	15.7
70	9.9	7.9	11.9

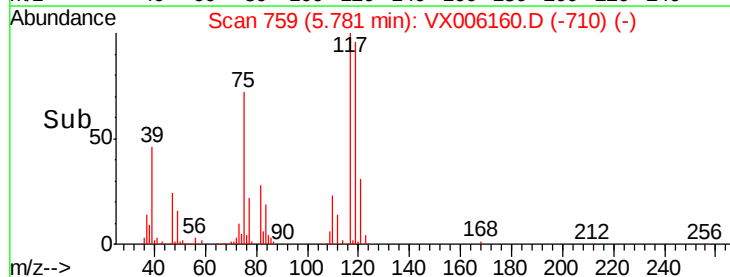
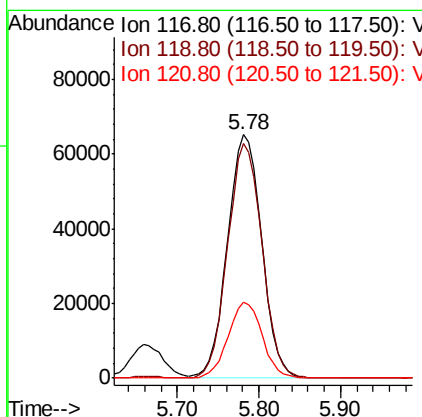
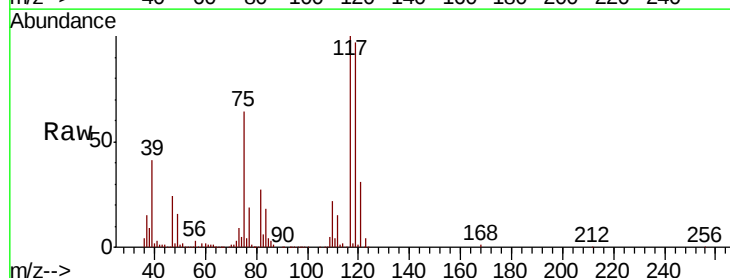
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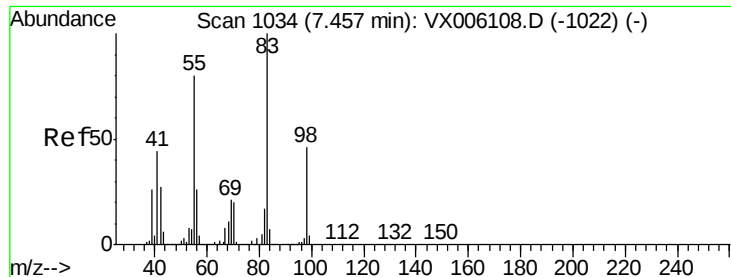
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#38
Carbon Tetrachloride
Concen: 51.412 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.3	114.5
121	31.2	24.7	37.1





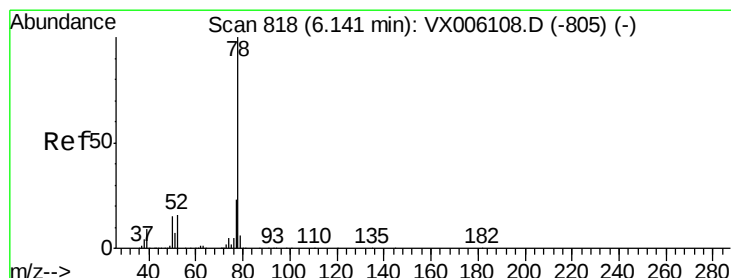
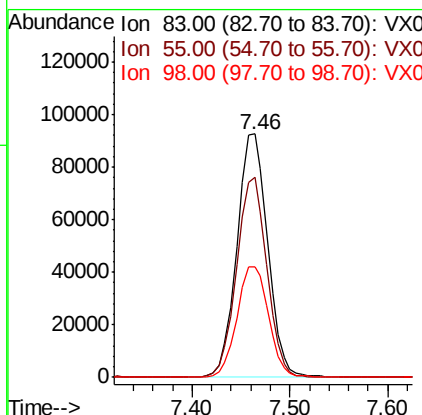
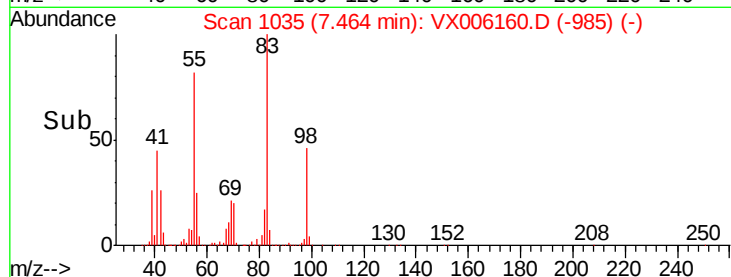
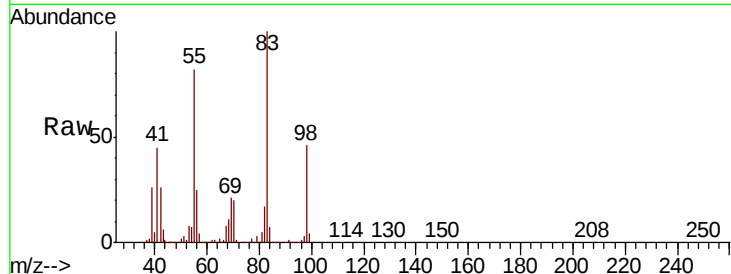
#39
Methylvlcvclohexane
Concen: 45.307 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.8	63.9	95.9
98	45.5	36.8	55.2

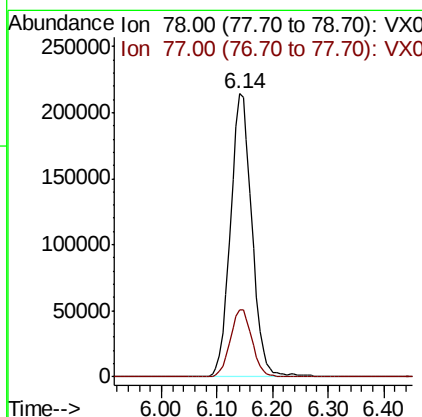
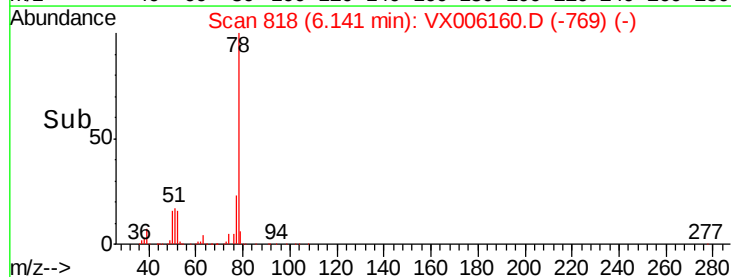
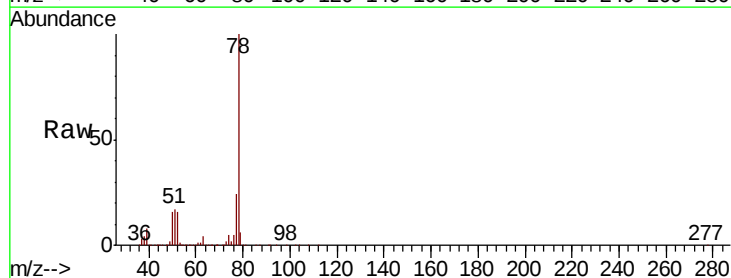
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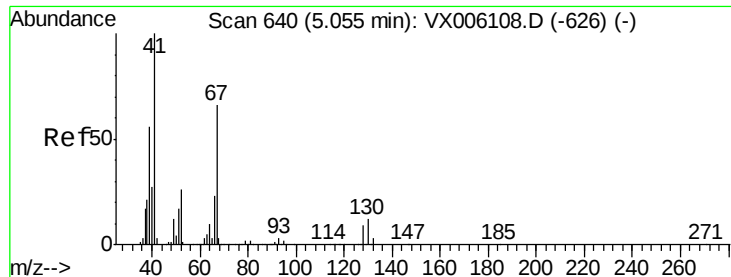
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#40
Benzene
Concen: 49.331 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





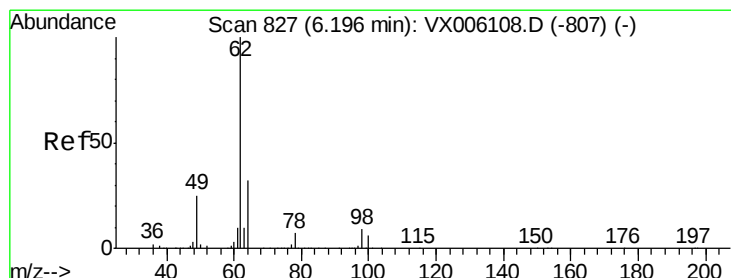
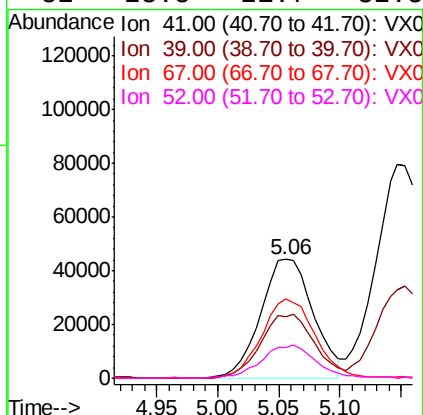
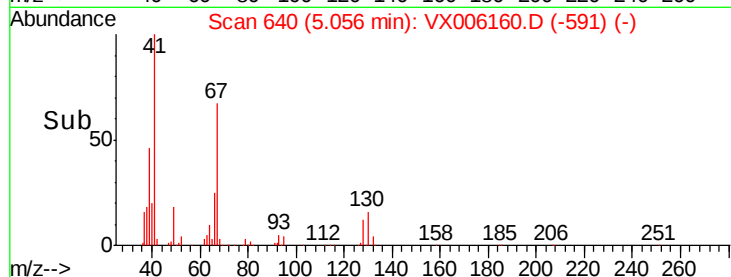
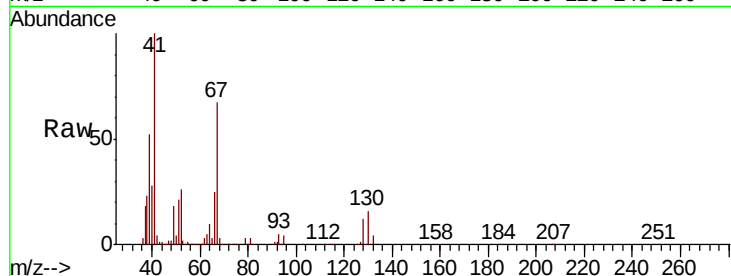
#41
Methacrylonitrile
Concen: 47.431 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.5	44.1	66.1	
67	68.6	54.1	81.1	
52	28.5	21.7	32.5	

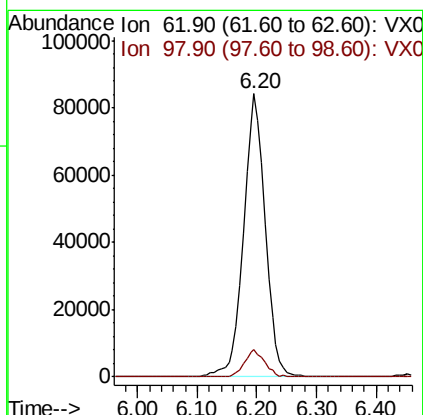
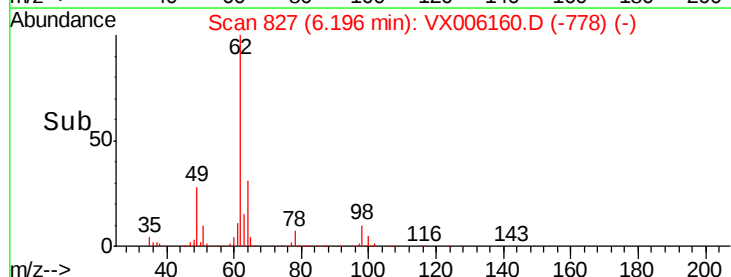
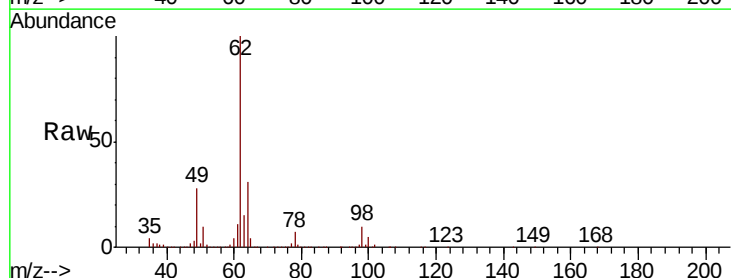
Manual Integrations
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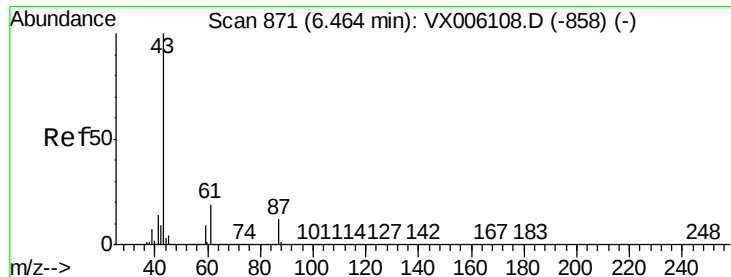
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.402 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.0	0.0	17.8	





#43

Isopropyl Acetate

Concen: 46.784 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

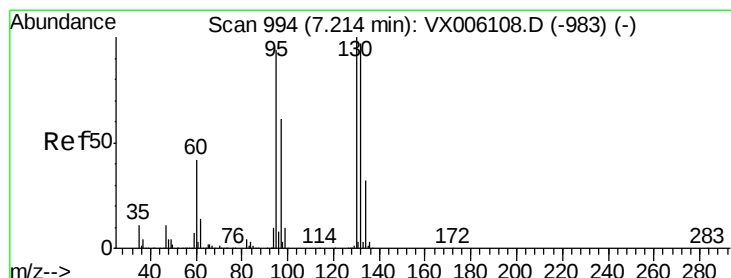
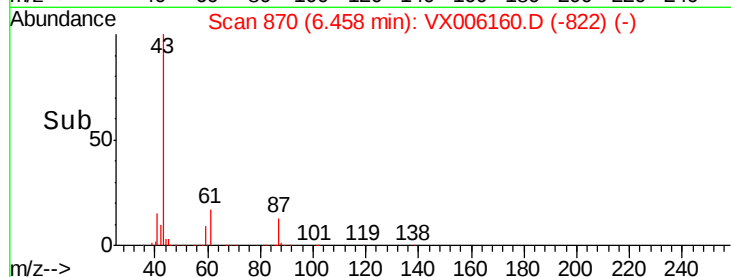
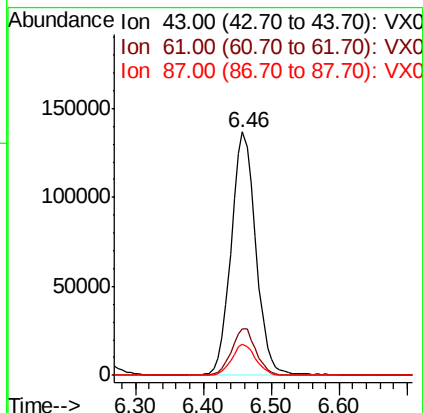
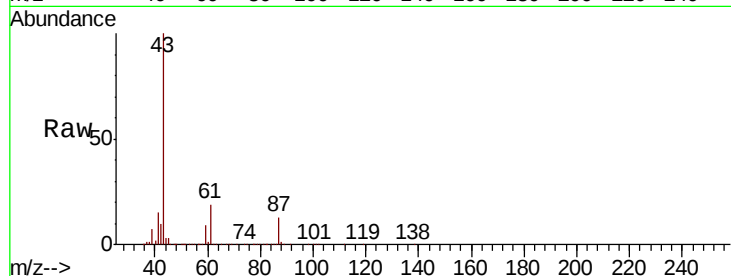
ClientSampleId :

MMTW-01MSD

Tot Ion:	43	Resp:	341715
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.2	22.8
87	12.7	9.6	14.4

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#44

Trichloroethene

Concen: 47.250 ug/l

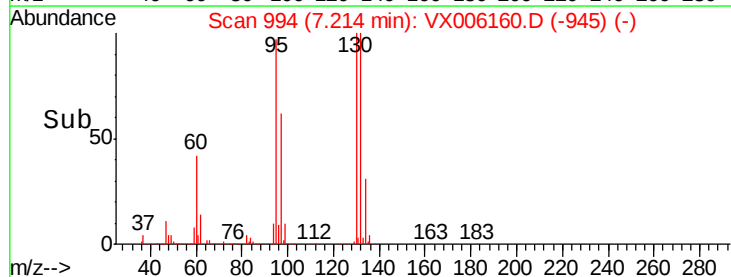
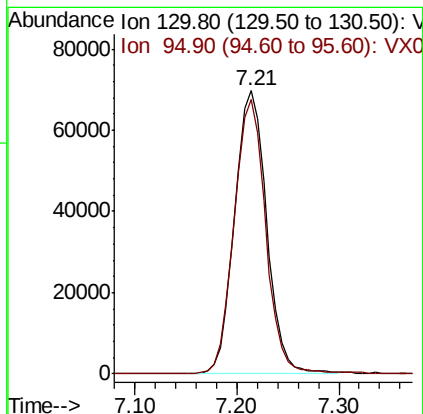
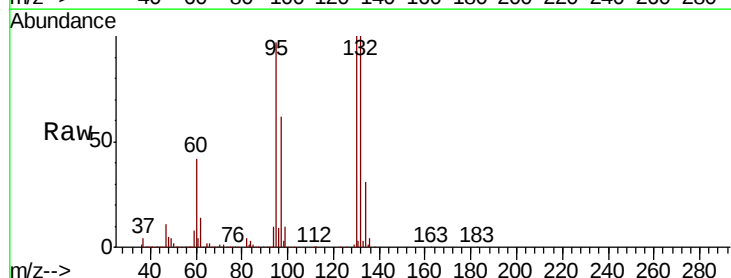
RT: 7.21 min Scan# 994

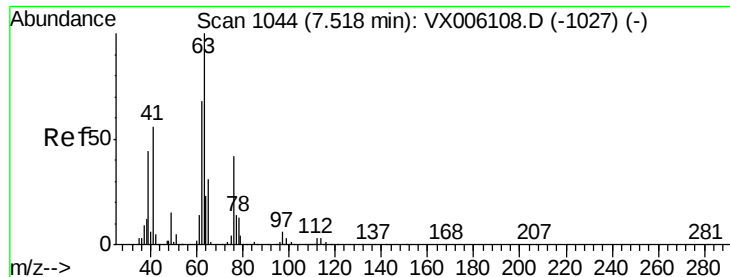
Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Tgt Ion:	130	Resp:	152098
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	188.8





#45

1,2-Dichloropropane

Concen: 49.973 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MSD

Tot Ion: 63 Resp: 153172

Ion Ratio Lower Upper

63 100

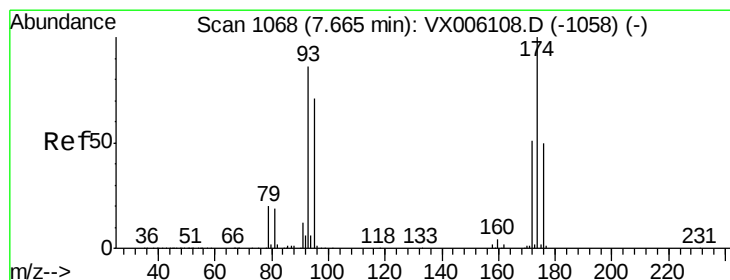
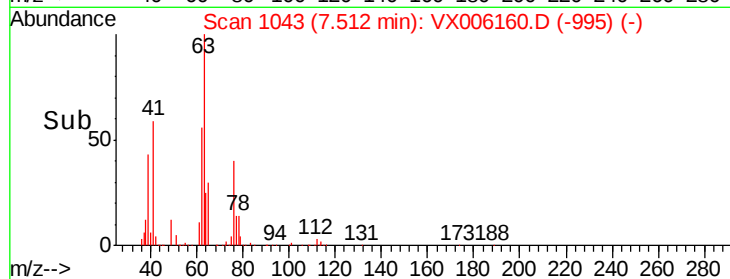
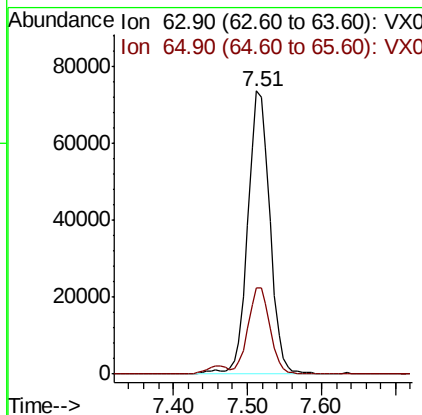
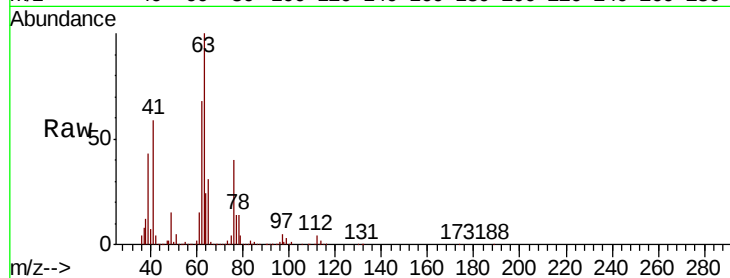
65 30.4 24.8 37.2

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#46

Dibromomethane

Concen: 48.970 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

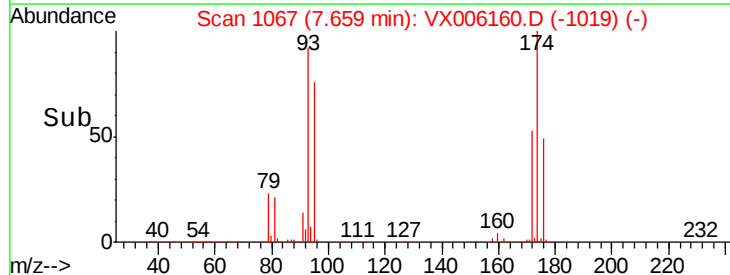
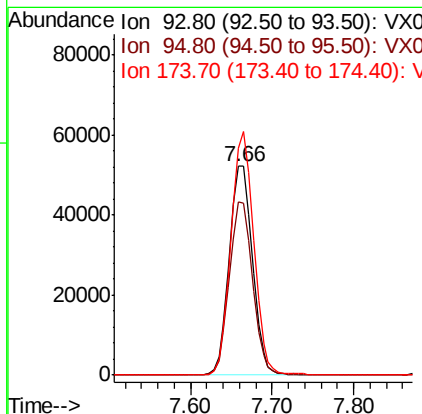
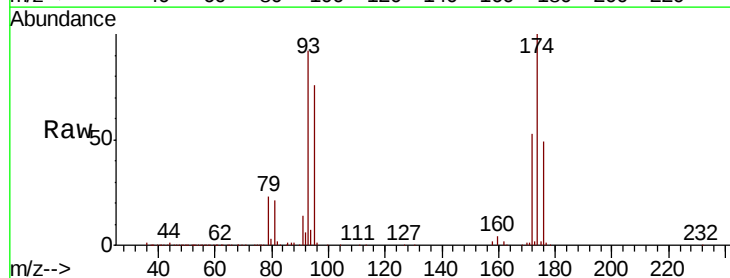
Tgt Ion: 93 Resp: 102793

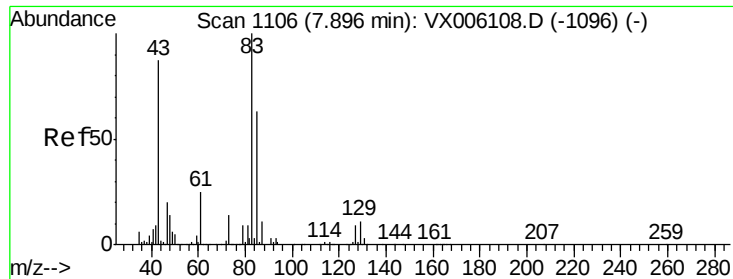
Ion Ratio Lower Upper

93 100

95 83.2 66.3 99.5

174 113.9 91.0 136.6





#47

Bromodichloromethane

Concen: 50.531 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

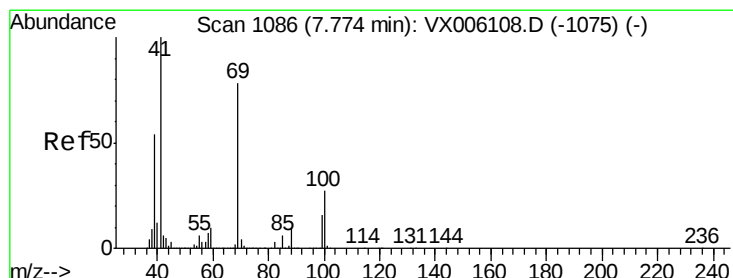
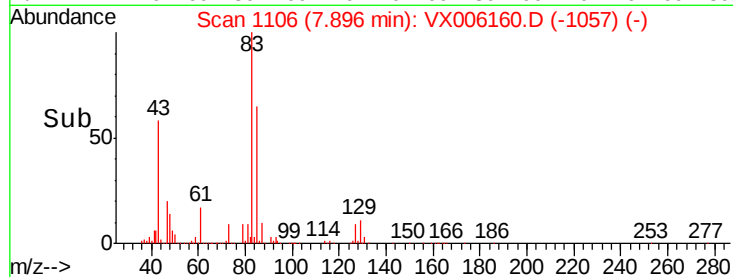
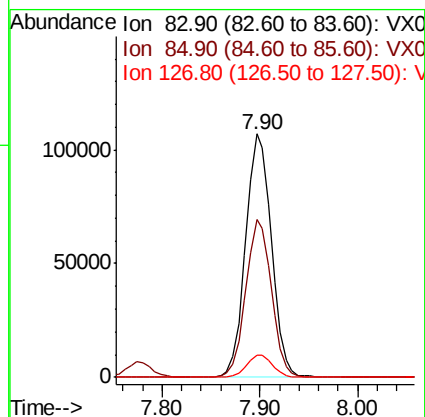
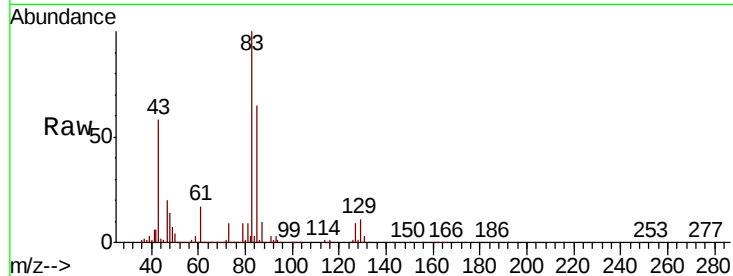
ClientSampleId :

MMTW-01MSD

Tot Ion:	83	Resp:	196177
Ion Ratio	Lower	Upper	
83	100		
85	64.9	50.4	75.6
127	9.1	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.390 ug/l

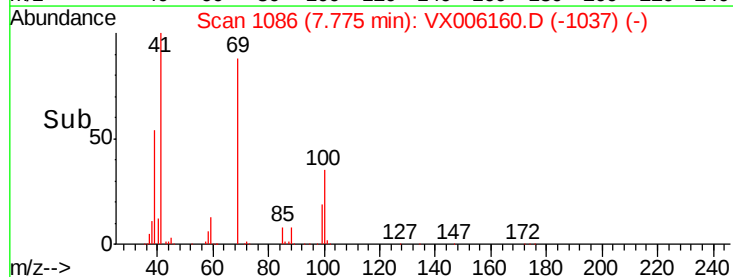
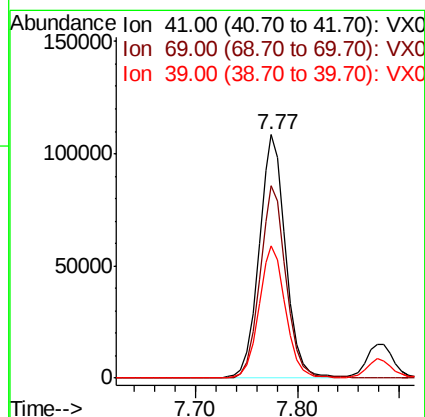
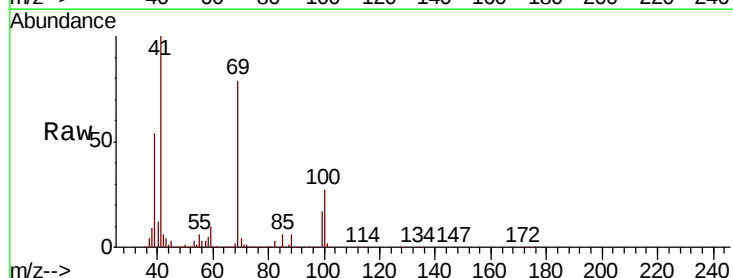
RT: 7.77 min Scan# 1086

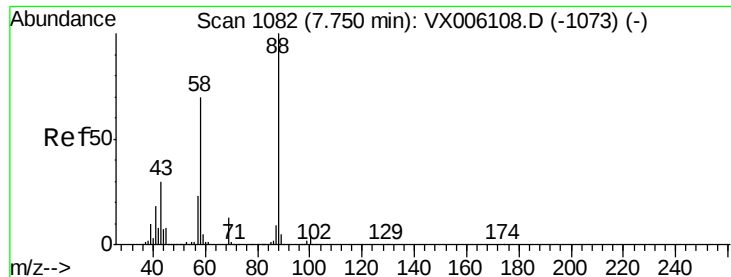
Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Tgt Ion:	41	Resp:	194070
Ion Ratio	Lower	Upper	
41	100		
69	78.9	62.8	94.2
39	54.7	43.8	65.6





#49

1,4-Dioxane

Concen: 808.377 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

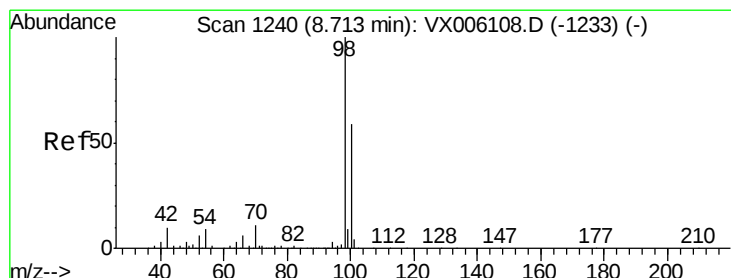
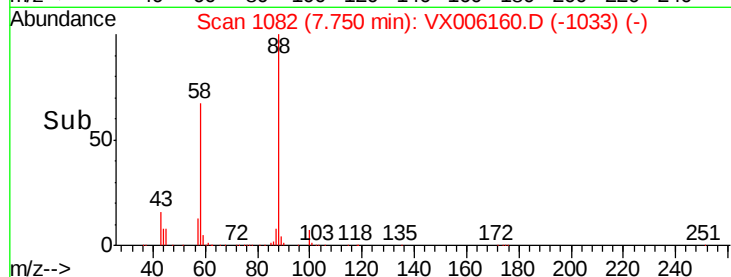
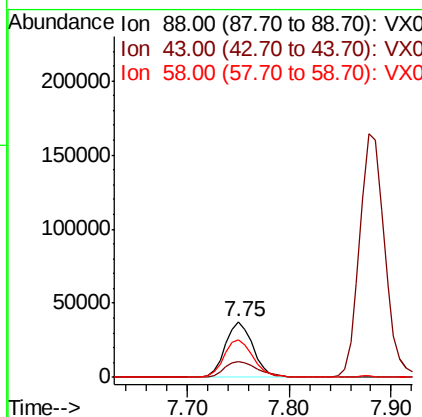
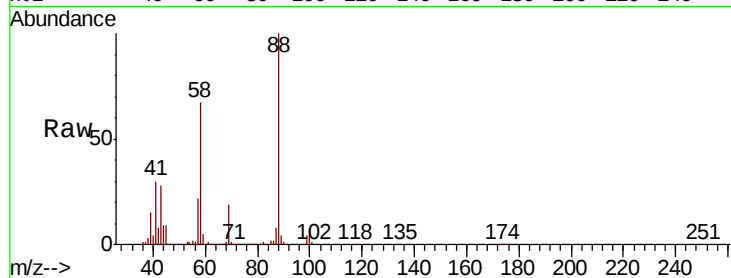
ClientSampleId :

MMTW-01MSD

Tot Ion:	88	Resp:	71044
Ion	Ratio	Lower	Upper
88	100		
43	34.2	26.7	40.1
58	70.9	58.5	87.7

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#50

Toluene-d8

Concen: 50.515 ug/l

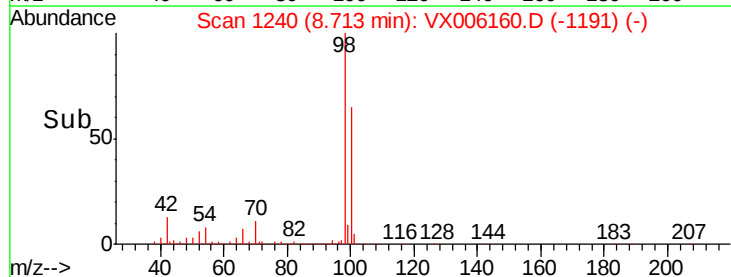
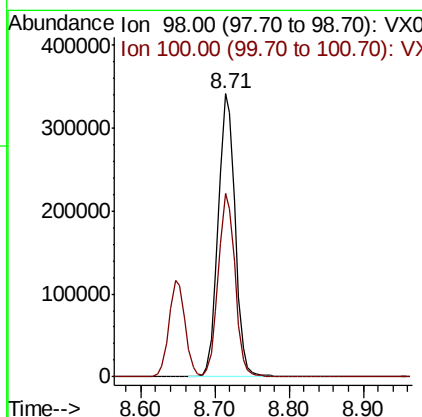
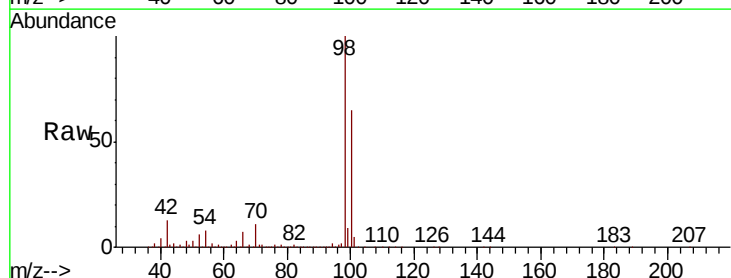
RT: 8.71 min Scan# 1240

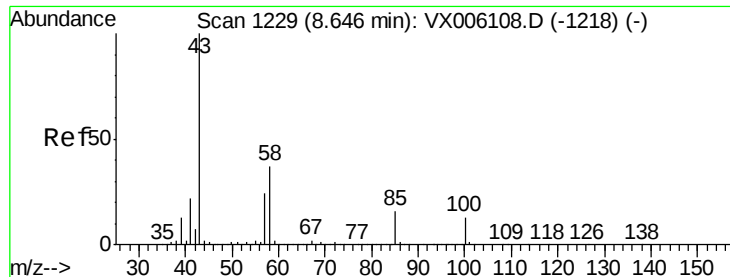
Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Tgt Ion:	98	Resp:	534433
Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 248.623 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MSD

Tot Ion: 43 Resp: 1301859

Ion Ratio Lower Upper

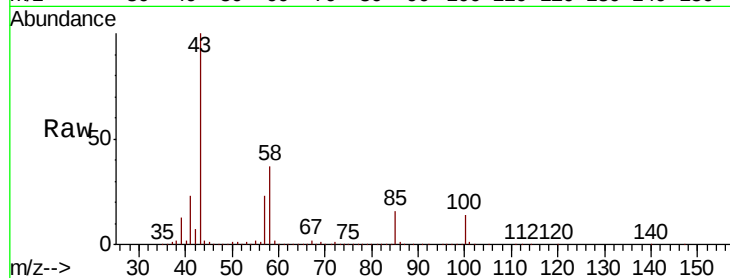
43 100

58 37.3 29.9 44.9

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

800000

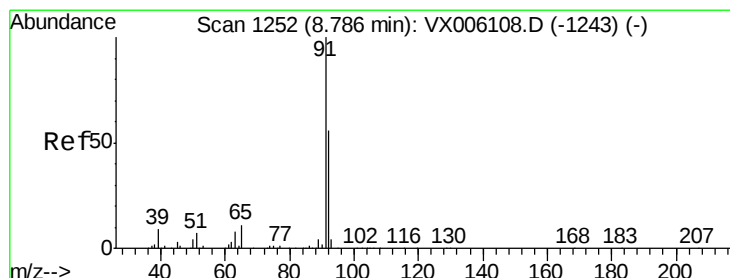
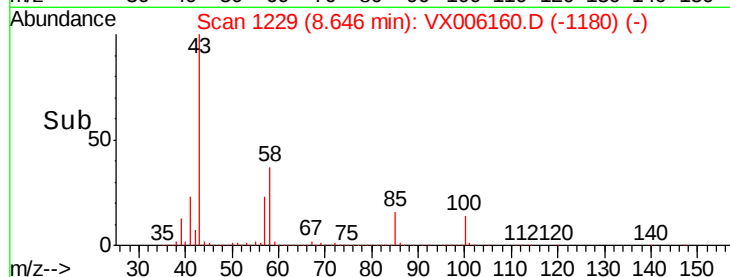
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.702 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006160.D

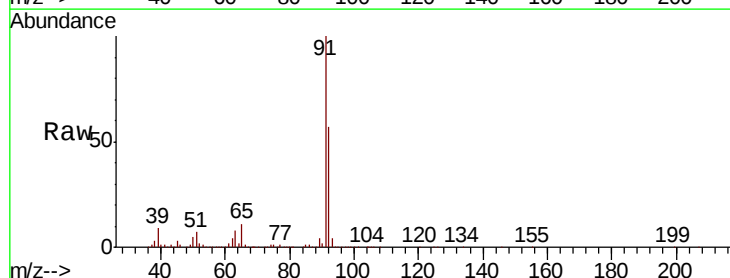
Acq: 22 Nov 2018 08:29

Tgt Ion: 92 Resp: 363214

Ion Ratio Lower Upper

92 100

91 176.0 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

500000

400000

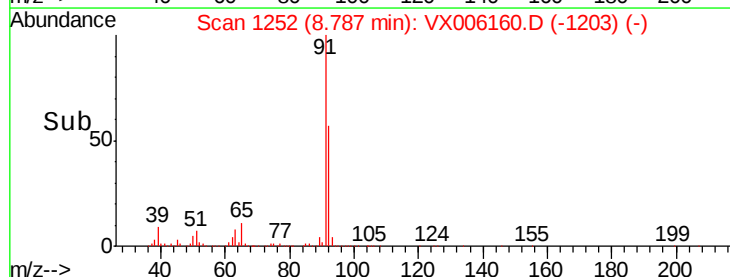
300000

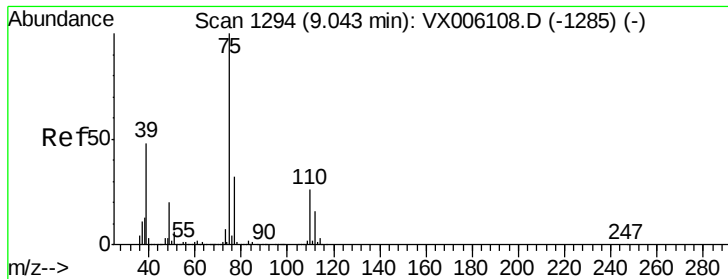
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.851 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MSD

Tot Ion: 75 Resp: 201960

Ion Ratio Lower Upper

75 100

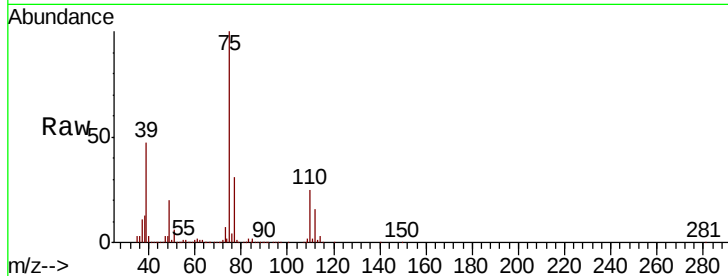
77 31.3 25.7 38.5

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

150000

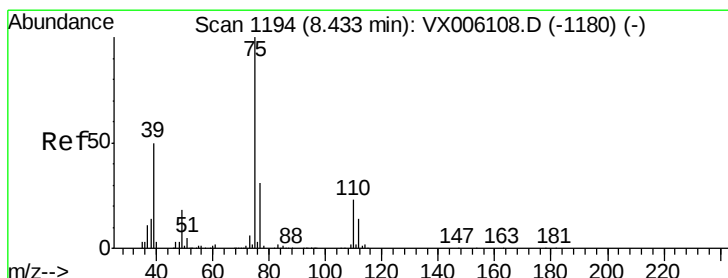
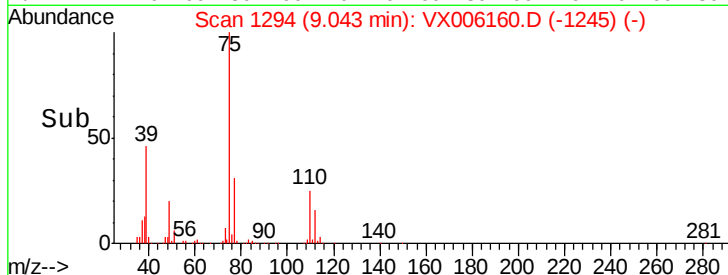
100000

50000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.049 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

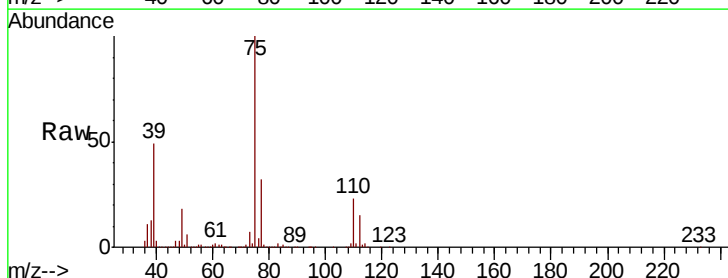
Tgt Ion: 75 Resp: 210712

Ion Ratio Lower Upper

75 100

77 31.7 24.7 37.1

39 49.2 40.3 60.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

150000

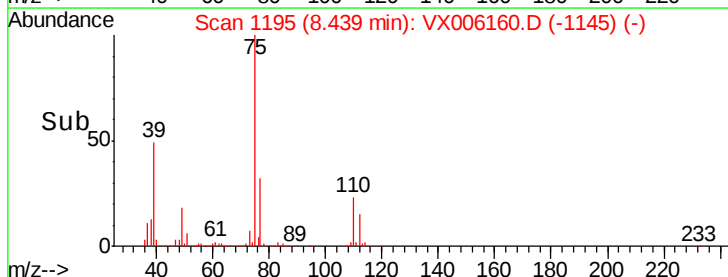
100000

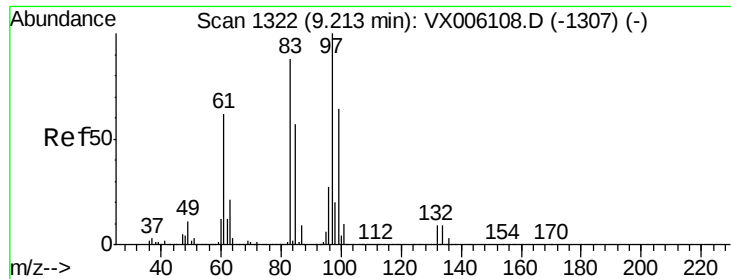
50000

0

8.30 8.40 8.50 8.60

Time-->





#55

1,1,2-Trichloroethane

Concen: 48.718 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MSD

Tot Ion: 97 Resp: 151146

Ion Ratio Lower Upper

97 100

83 84.8 70.7 106.1

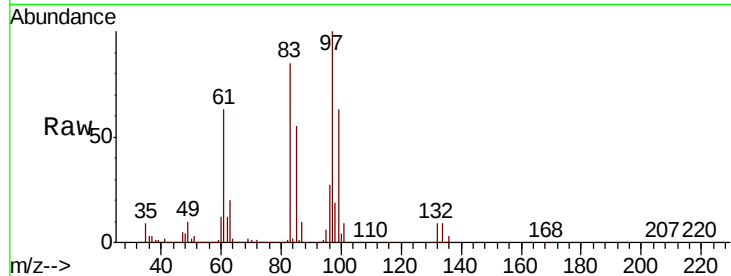
85 54.6 45.7 68.5

99 63.2 51.4 77.2

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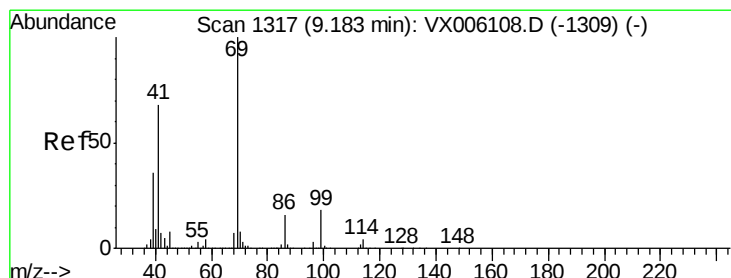
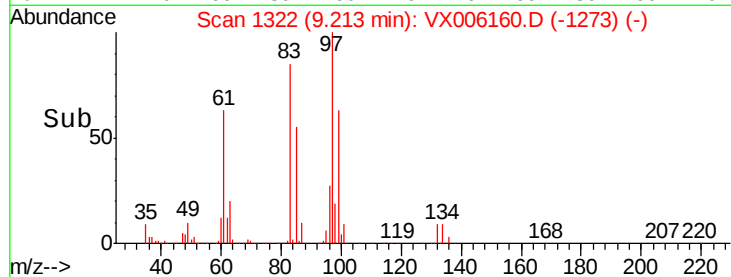
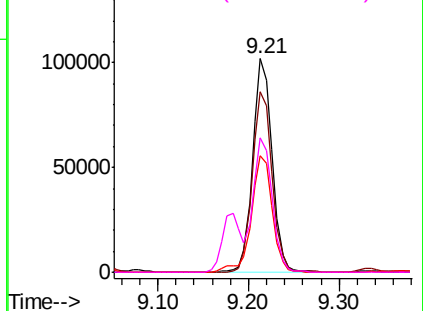
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 47.948 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

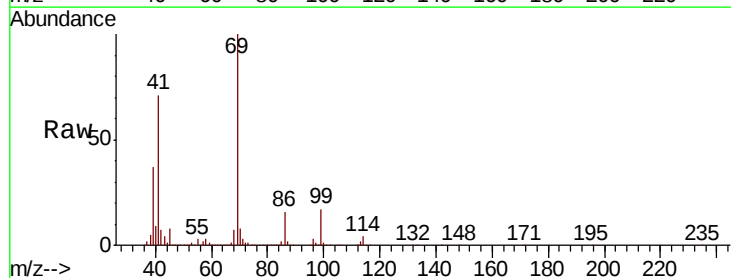
Tgt Ion: 69 Resp: 231049

Ion Ratio Lower Upper

69 100

41 71.2 56.2 84.4

39 36.8 29.4 44.0

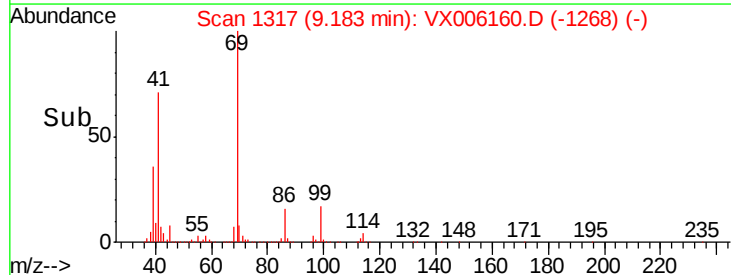
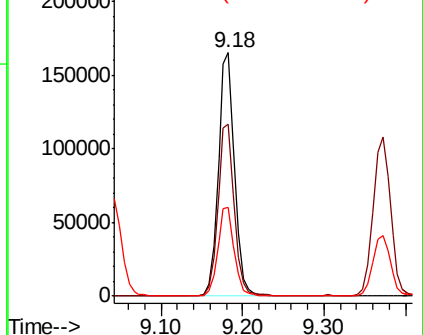


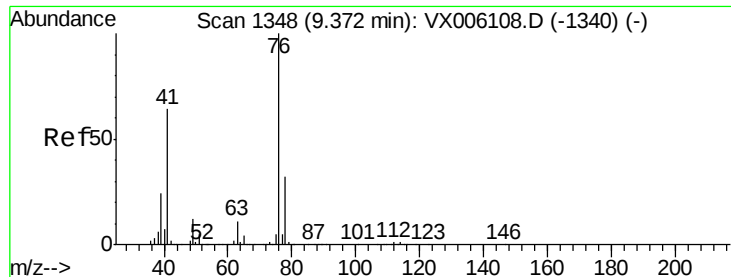
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 48.934 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MSD

Tot Ion: 76 Resp: 250243

Ion Ratio Lower Upper

76 100

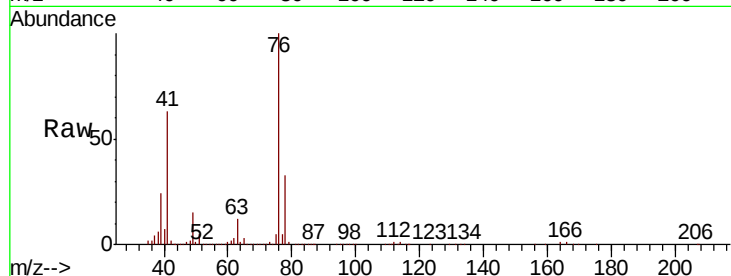
78 32.3 25.7 38.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

200000

150000

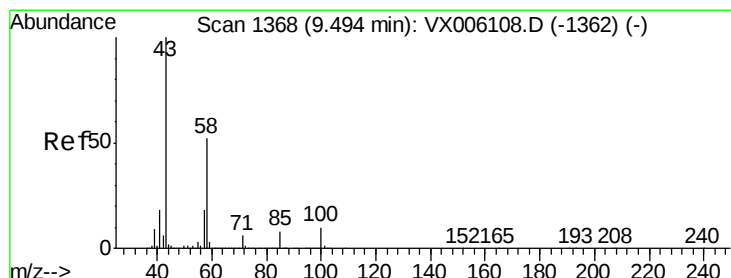
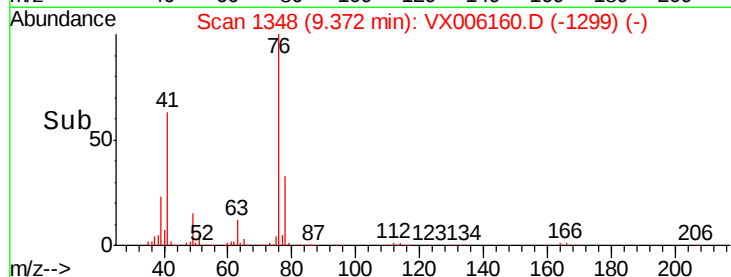
100000

50000

0

9.30 9.40 9.50

Time-->



#59

2-Hexanone

Concen: 245.308 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VX006160.D

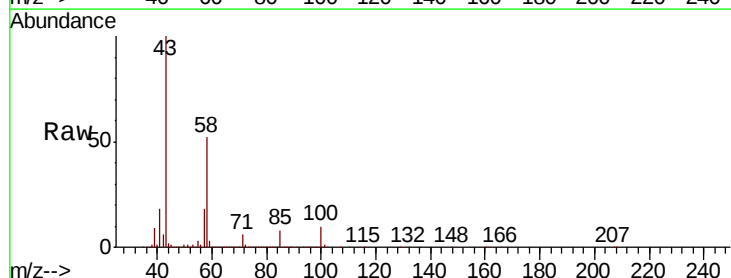
Acq: 22 Nov 2018 08:29

Tgt Ion: 43 Resp: 1019395

Ion Ratio Lower Upper

43 100

58 52.2 26.3 78.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

800000

600000

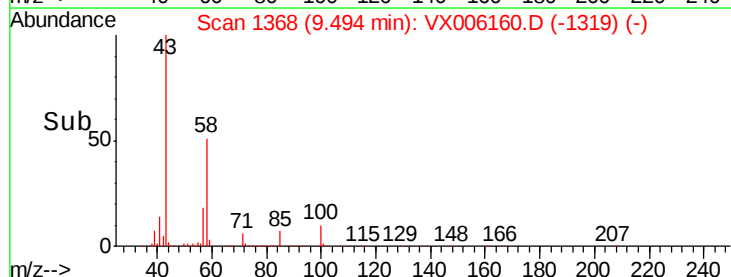
400000

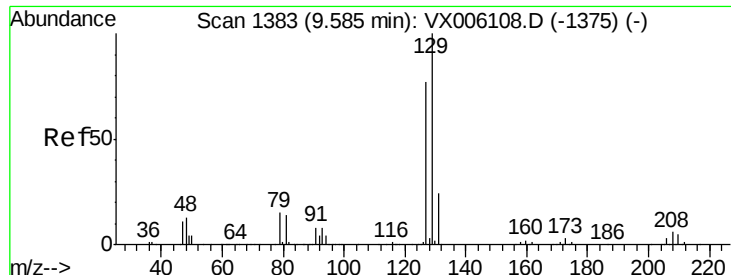
200000

0

9.40 9.50 9.60

Time-->





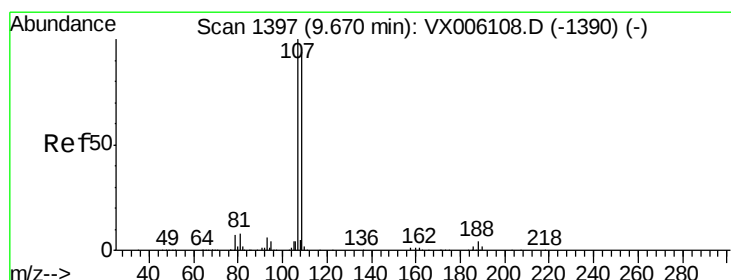
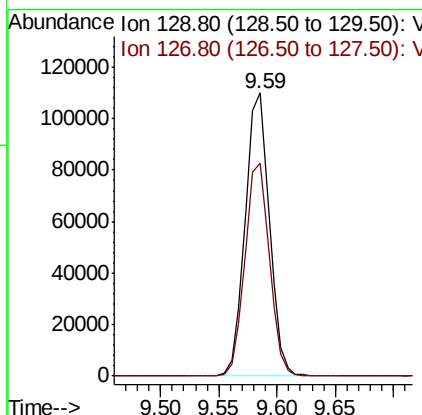
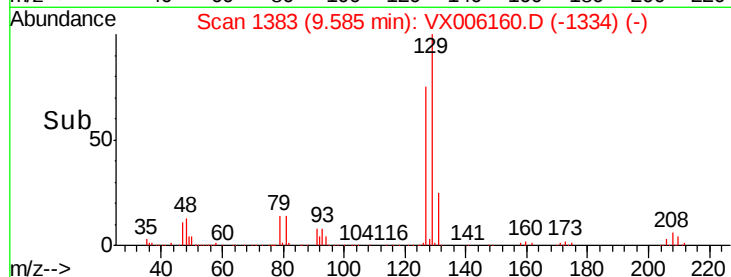
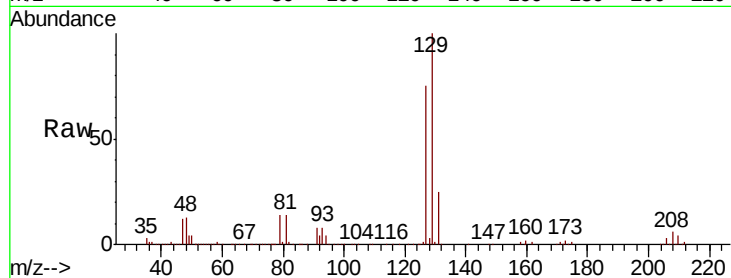
#60
 Dibromochloromethane
 Concen: 52.829 ug/l
 RT: 9.59 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VX006160.D
 Acq: 22 Nov 2018 08:29

Instrument :
 MSVOA_X
 ClientSampleId :
 MMTW-01MSD

Tot Ion:129 Resp: 160691
 Ion Ratio Lower Upper
 129 100
 127 76.4 39.1 117.5

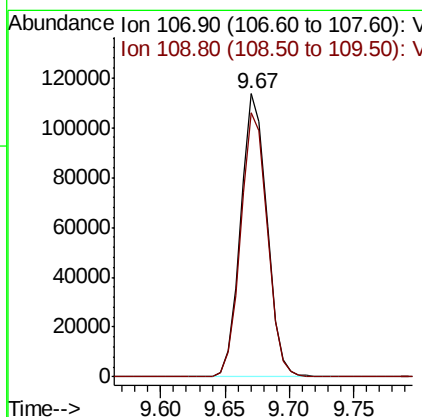
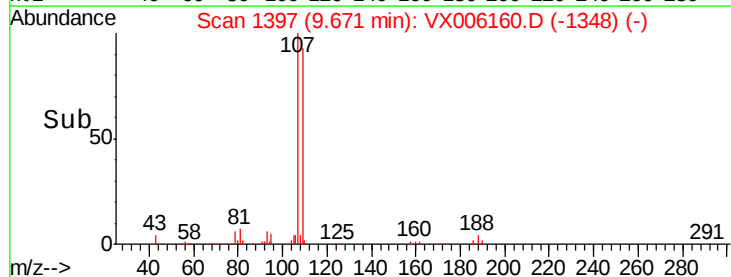
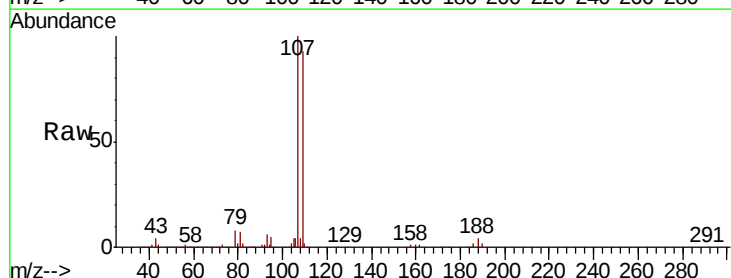
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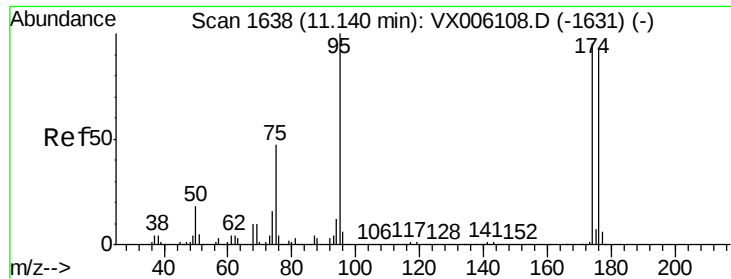
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 11/26/2018 9:49:24 AM



#61
 1,2-Dibromoethane
 Concen: 50.243 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: VX006160.D
 Acq: 22 Nov 2018 08:29

Tgt Ion:107 Resp: 160589
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.7 113.5





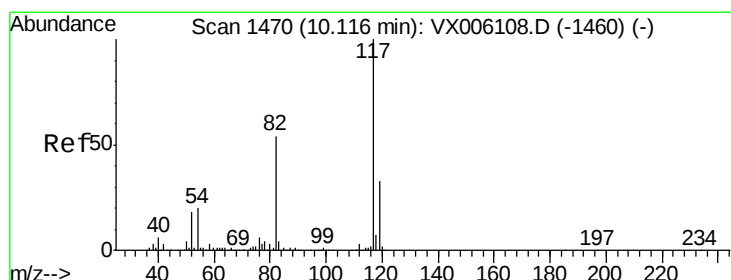
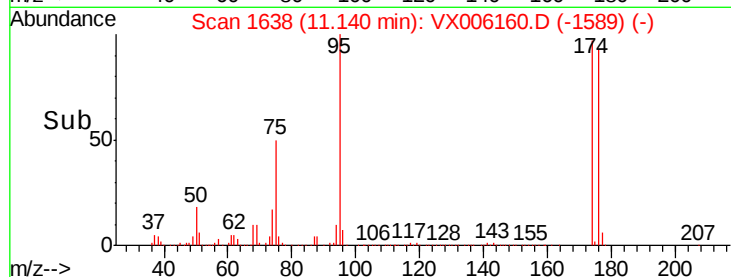
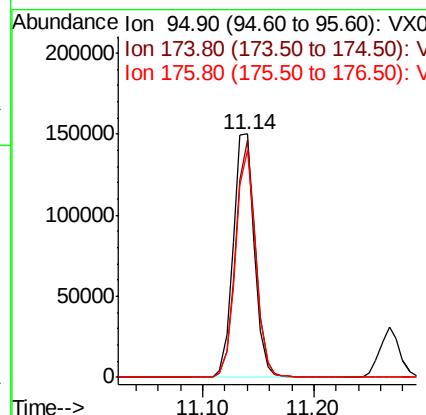
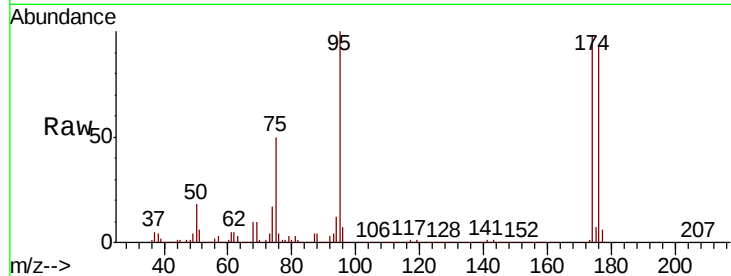
#62
4-Bromofluorobenzene
Concen: 49.678 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	197198		
174	91.8	0.0	184.4	
176	88.8	0.0	179.0	

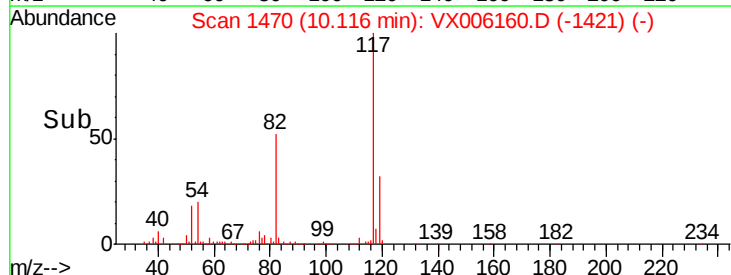
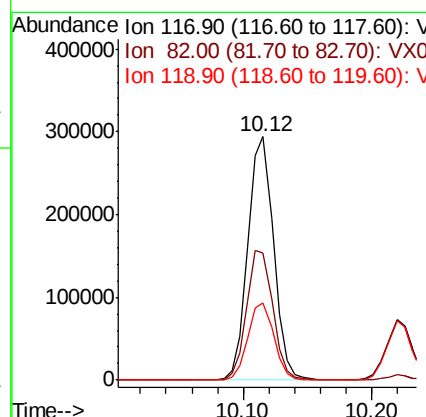
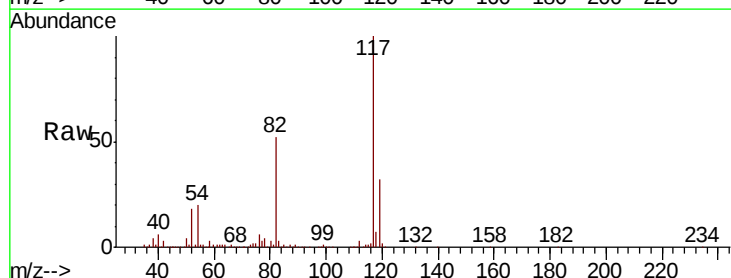
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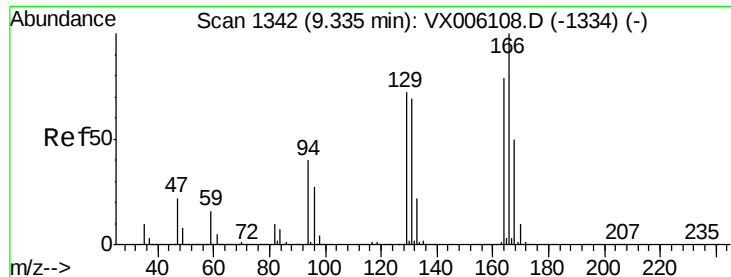
MMDadoda
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	403909		
82	52.1	43.0	64.4	
119	31.9	26.1	39.1	





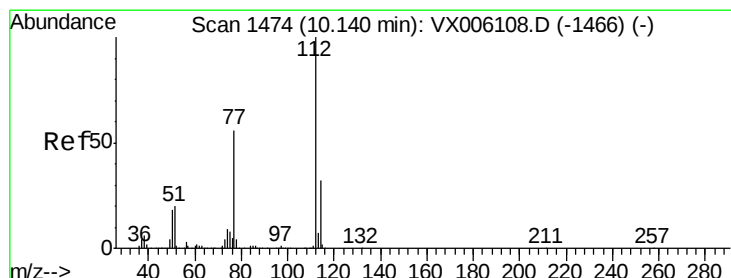
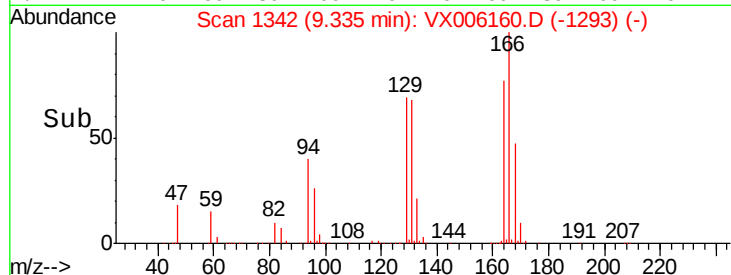
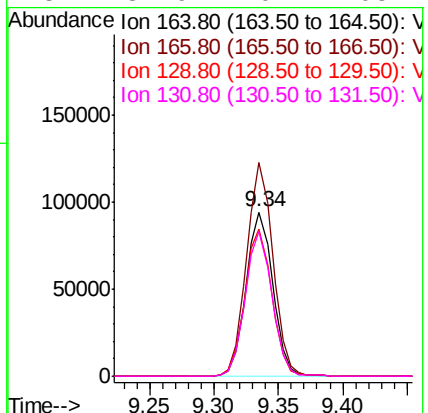
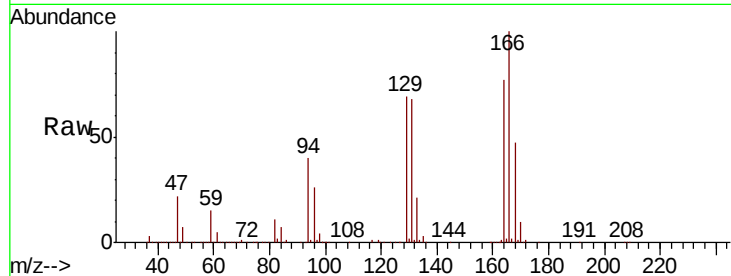
#64
Tetrachloroethene
Concen: 40.547 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.0	101.5	152.3
129	89.9	73.4	110.0
131	87.9	70.2	105.4

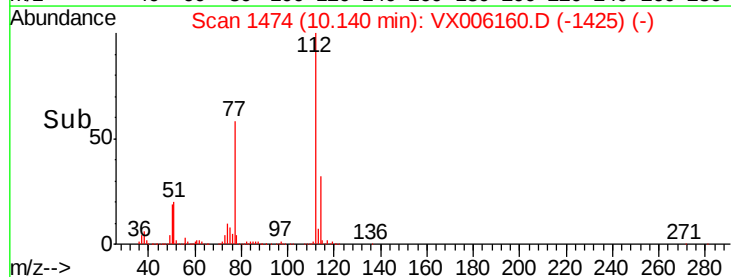
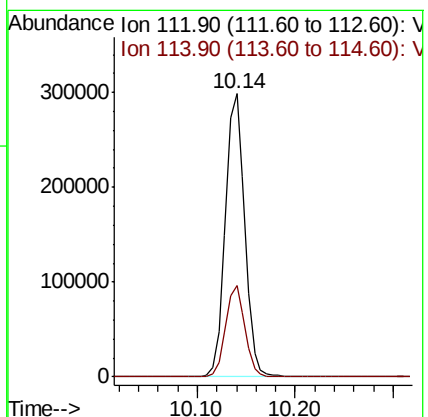
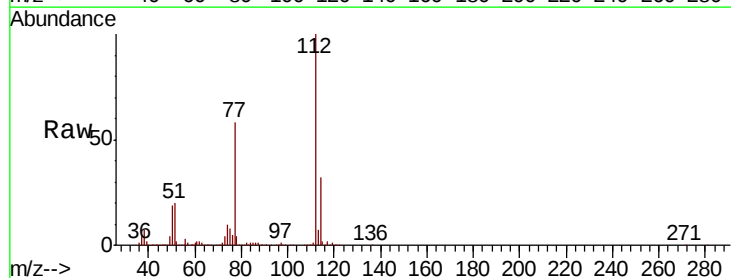
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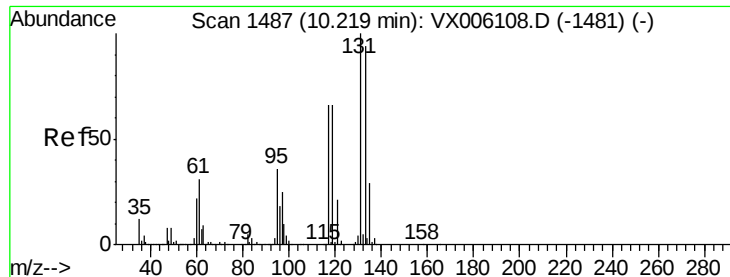
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#65
Chlorobenzene
Concen: 49.631 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.6	38.4





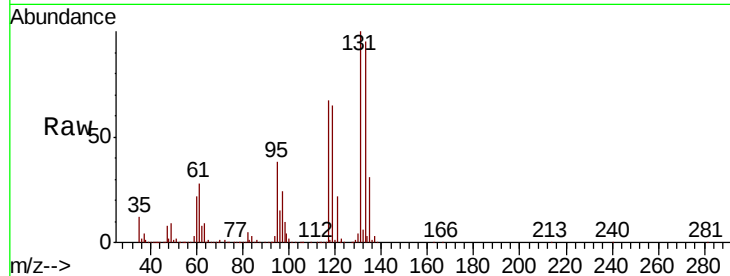
#66
 1,1,1,2-Tetrachloroethane
 Concen: 52.009 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX006160.D
 Acq: 22 Nov 2018 08:29

Instrument :
 MSVOA_X
 ClientSampleId :
 MMTW-01MSD

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.0	144.2
119	65.0	32.6	97.8

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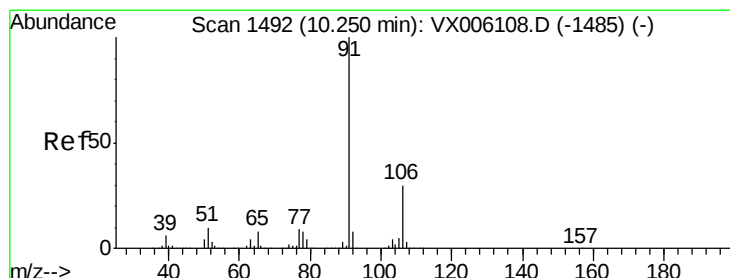
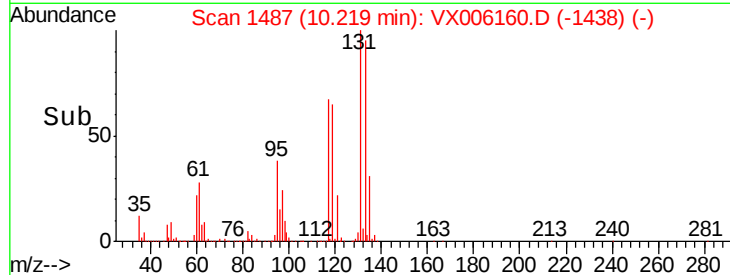
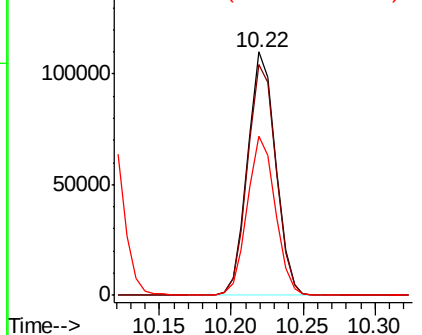


Abundance

Ion 130.80 (130.50 to 131.50): V

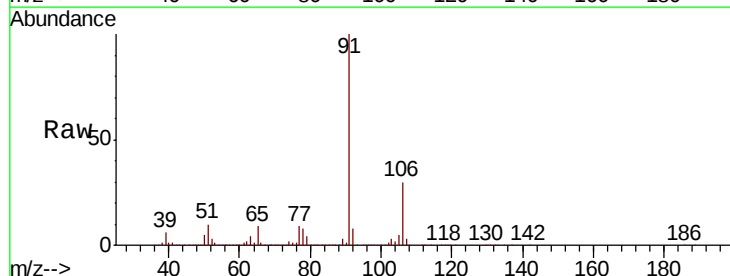
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67
 Ethyl Benzene
 Concen: 52.112 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX006160.D
 Acq: 22 Nov 2018 08:29

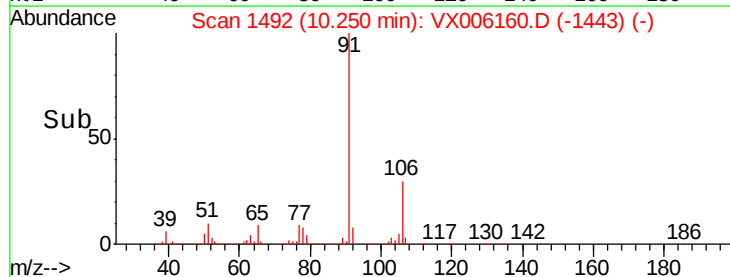
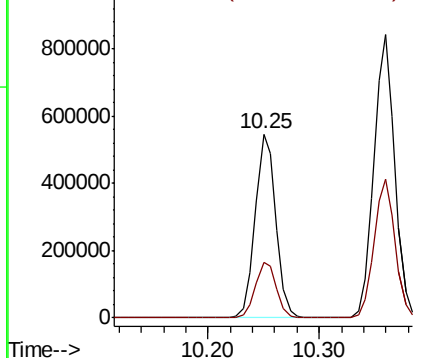
Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.4	36.6

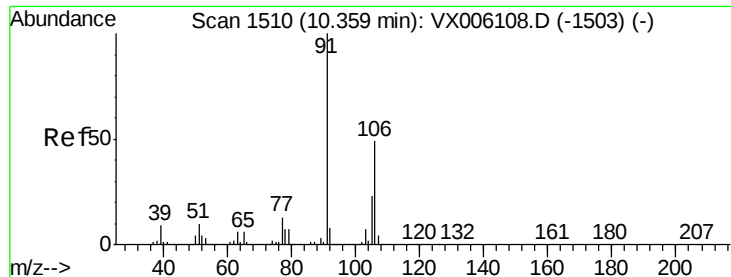


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





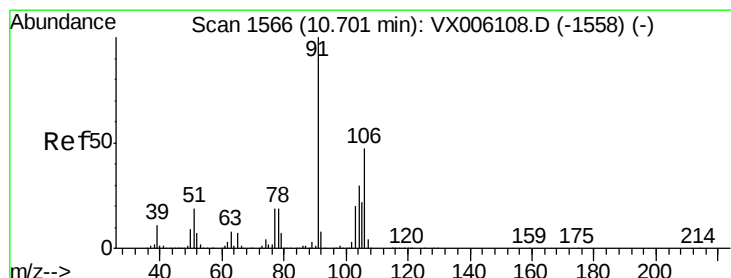
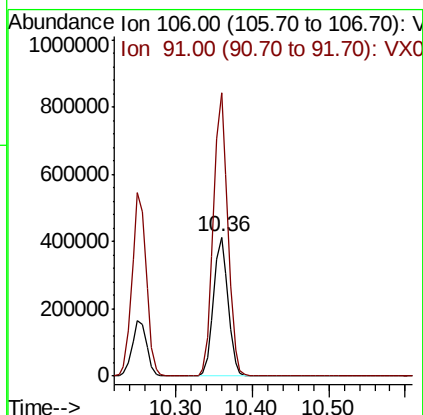
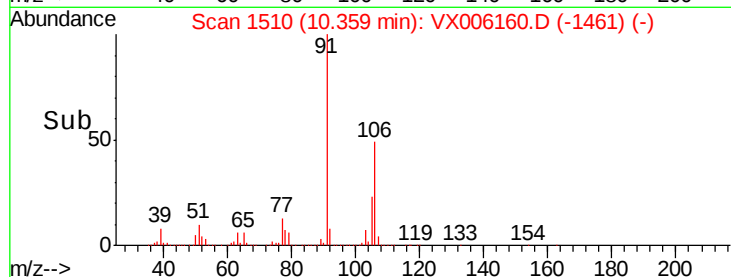
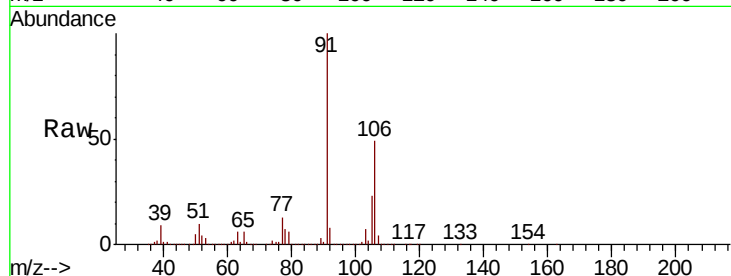
#68
m/p-Xylenes
Concen: 103.599 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	201.6	162.0	547248	243.0	

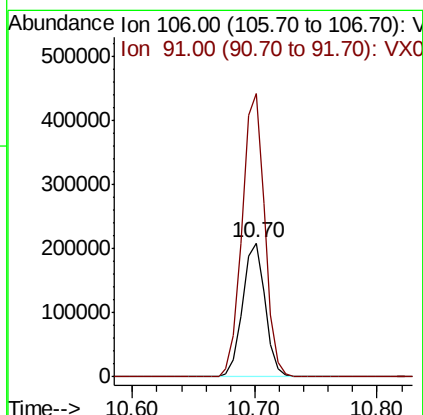
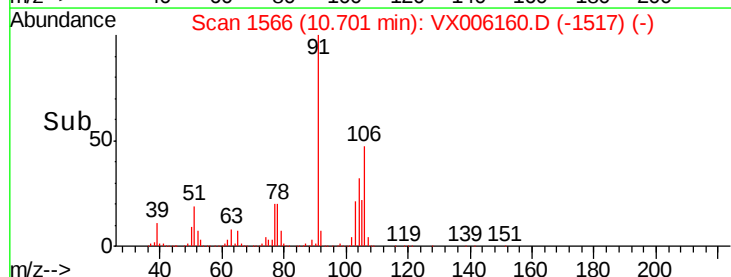
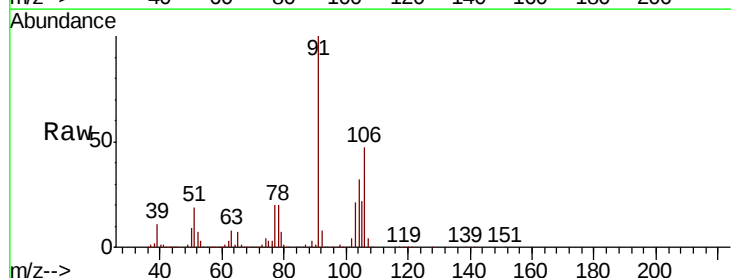
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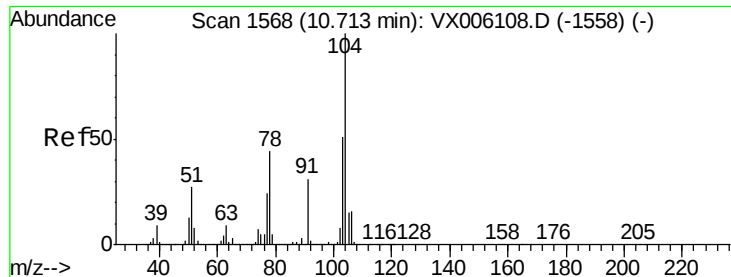
MMDadoda
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#69
o-Xylene
Concen: 52.388 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	212.4	107.4	264337	322.2	





#70

Stvrene

Concen: 53.121 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MSD

Tot Ion:104 Resp: 437033

Ion Ratio Lower Upper

104 100

78 50.4 39.4 59.2

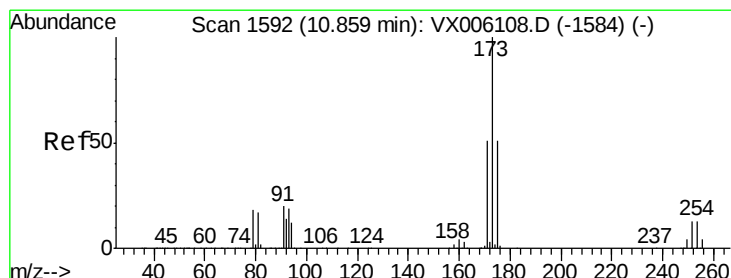
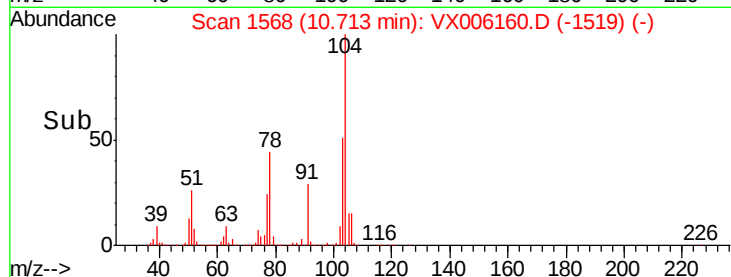
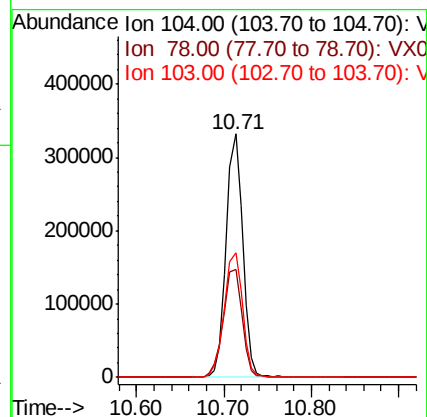
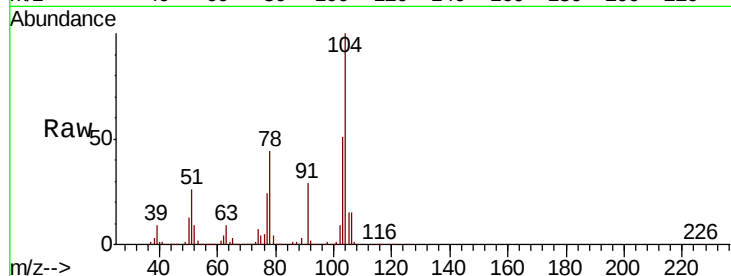
103 56.4 44.6 67.0

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#71

Bromoform

Concen: 50.915 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

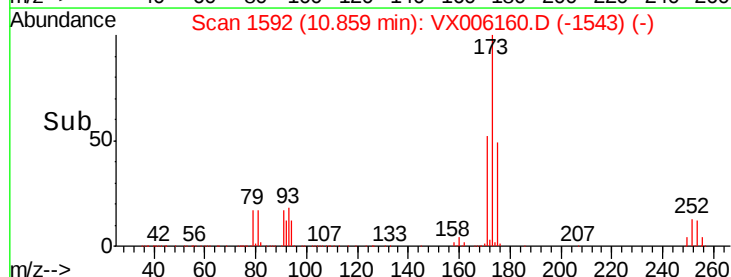
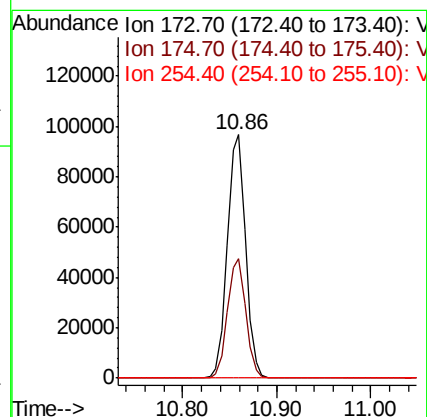
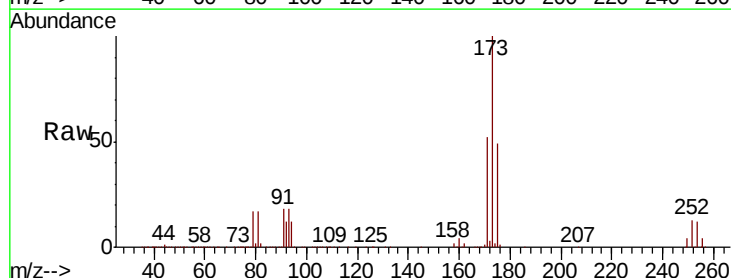
Tgt Ion:173 Resp: 129633

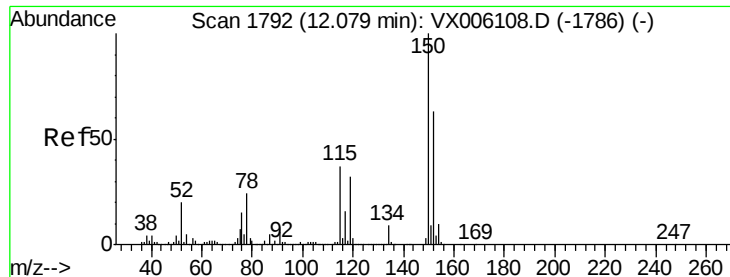
Ion Ratio Lower Upper

173 100

175 49.5 24.9 74.6

254 0.2 0.2 0.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MSD

Tot Ion:152 Resp: 218896

Ion Ratio Lower Upper

152 100

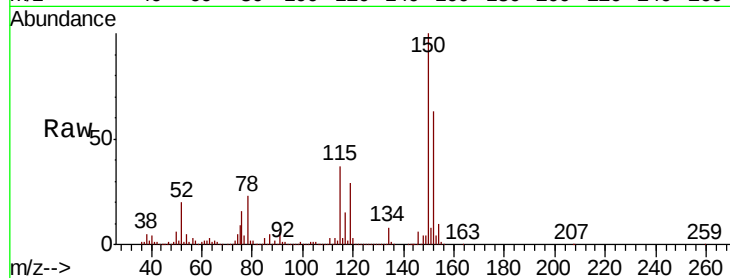
115 78.0 39.0 116.9

150 174.5 0.0 346.6

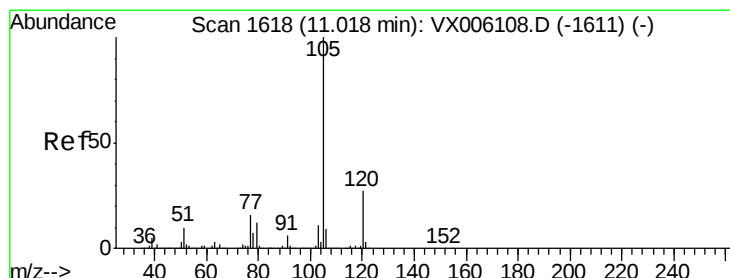
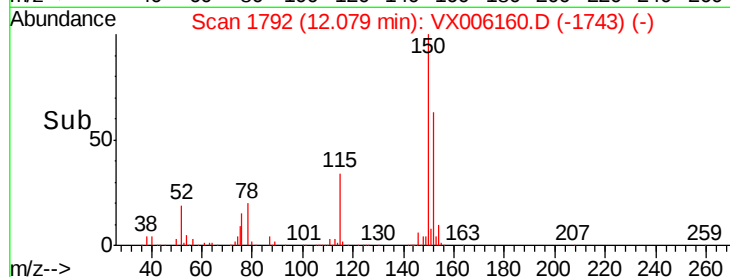
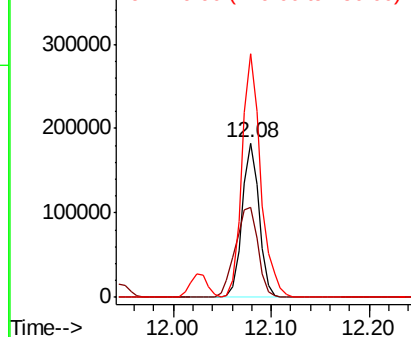
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 53.897 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006160.D

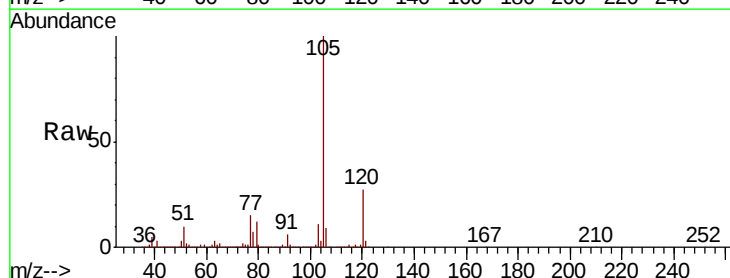
Acq: 22 Nov 2018 08:29

Tgt Ion:105 Resp: 713829

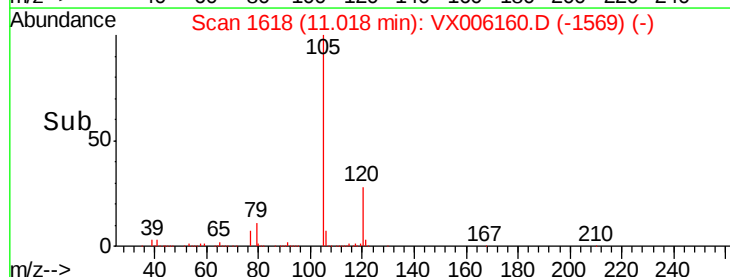
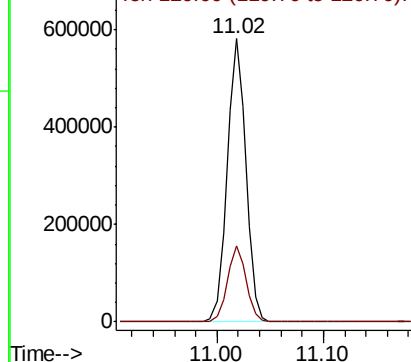
Ion Ratio Lower Upper

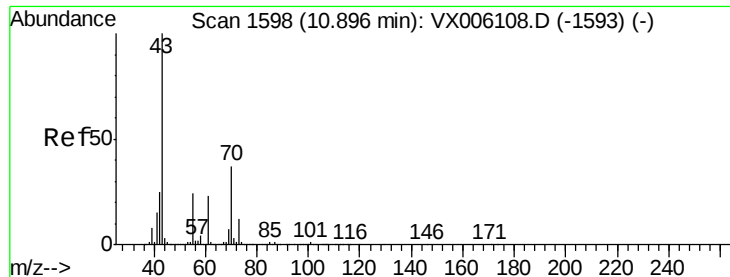
105 100

120 26.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 44.159 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

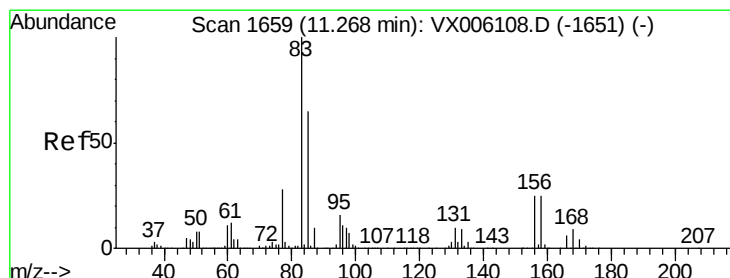
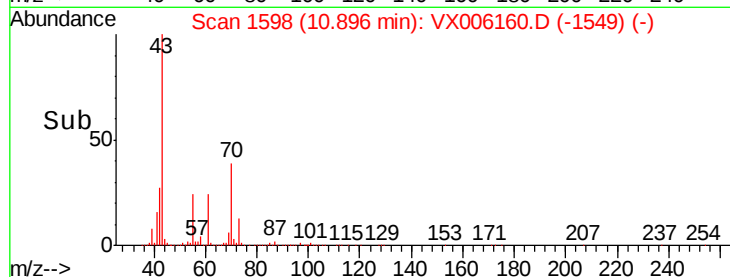
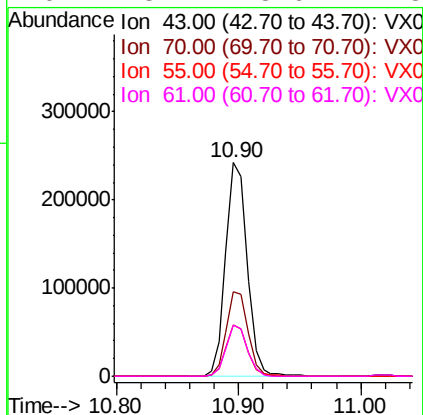
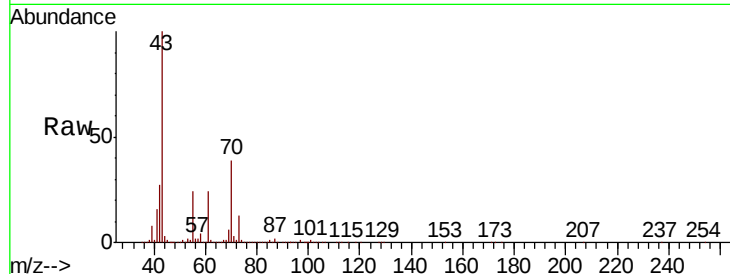
ClientSampleId :

MMTW-01MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		296315		
70	39.8	31.8	47.6		
55	24.0	19.5	29.3		
61	23.4	18.6	27.8		

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#75

1,1,2,2-Tetrachloroethane

Concen: 50.595 ug/l

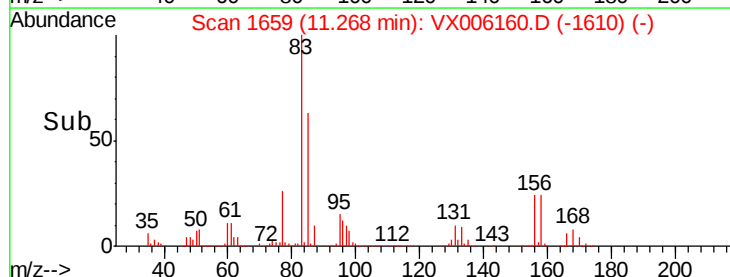
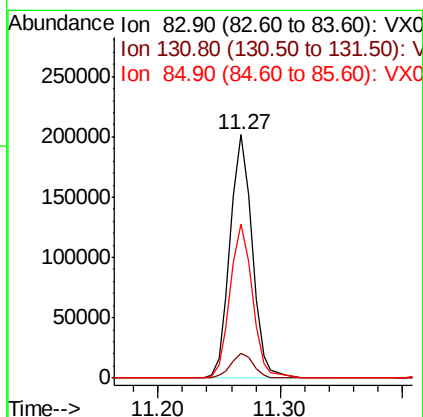
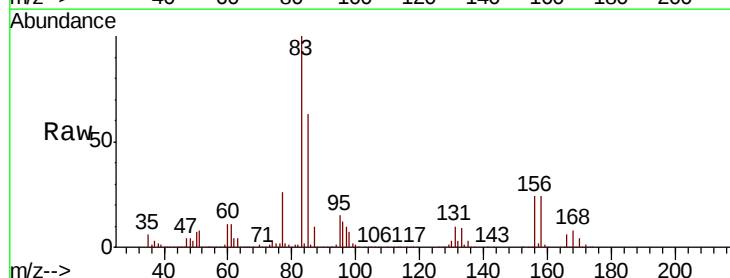
RT: 11.27 min Scan# 1659

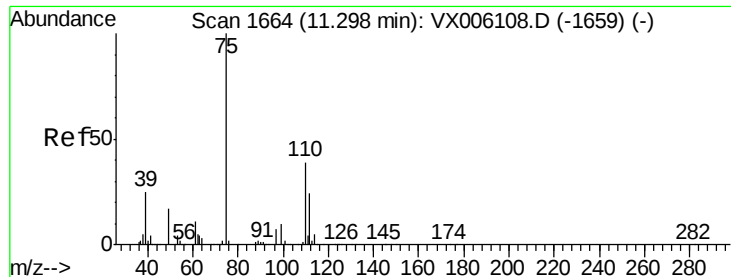
Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		252534		
131	10.3	5.2	15.6		
85	64.1	32.6	97.8		





#76

1,2,3-Trichloropropane

Concen: 51.539 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MSD

Tot Ion: 75 Resp: 232266

Ion Ratio Lower Upper

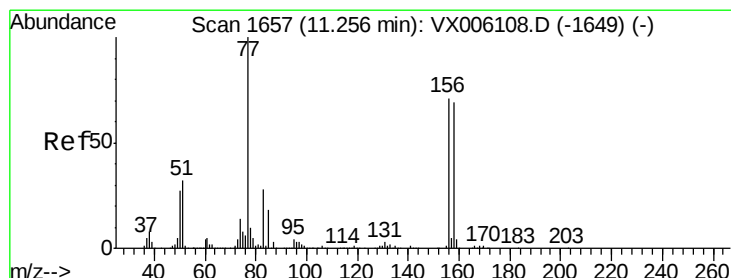
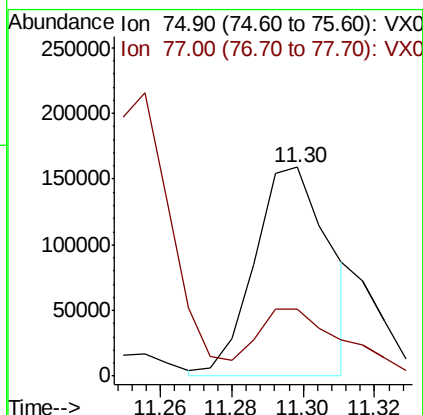
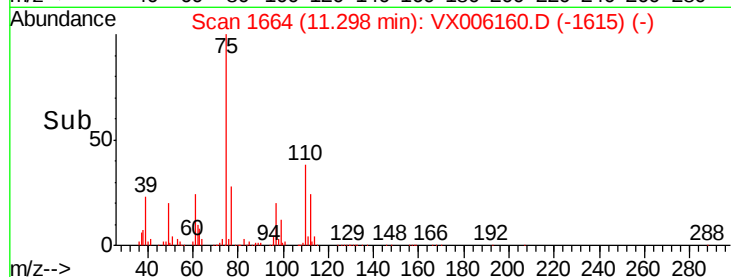
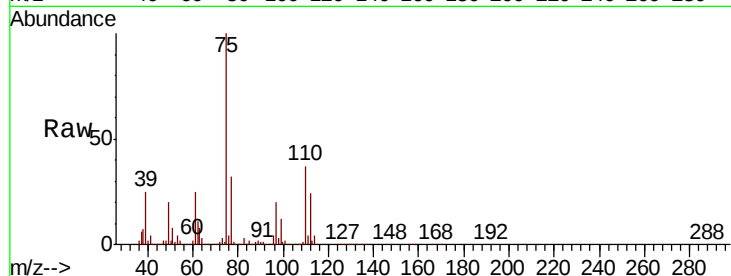
75 100

77 37.4 19.6 58.7

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#77

Bromobenzene

Concen: 51.606 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

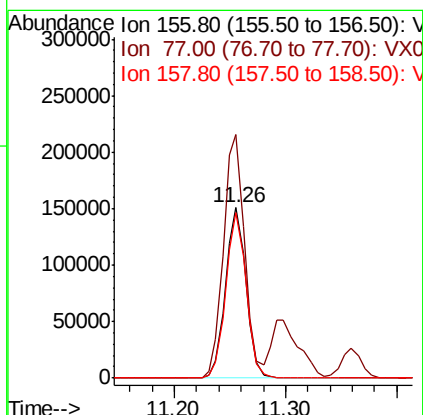
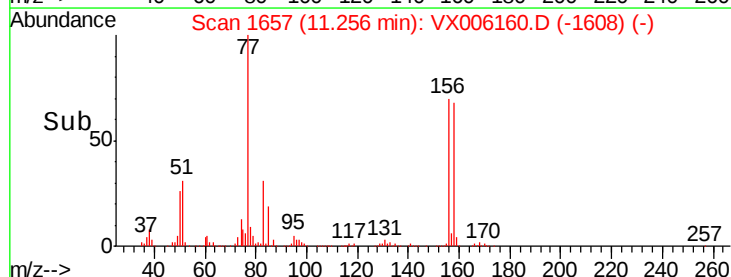
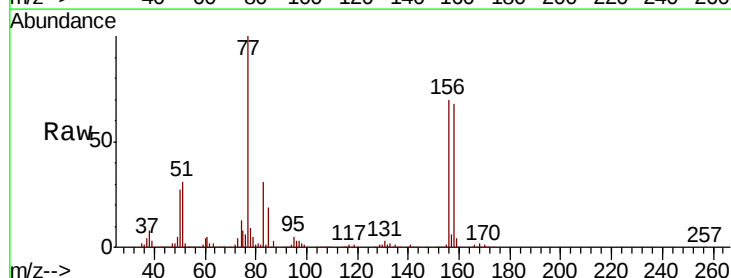
Tgt Ion: 156 Resp: 191469

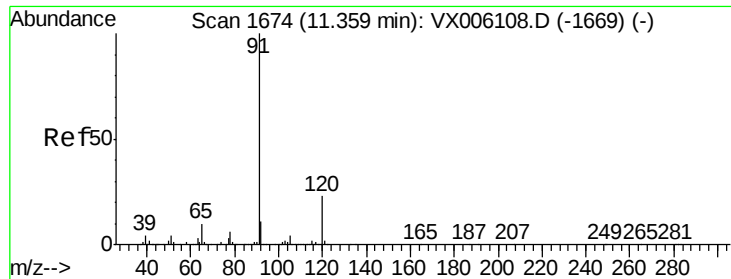
Ion Ratio Lower Upper

156 100

77 148.0 74.3 222.8

158 96.7 49.0 147.0





#78

n-propylbenzene

Concen: 53.328 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MSD

Tot Ion: 91 Resp: 822543

Ion Ratio Lower Upper

91 100

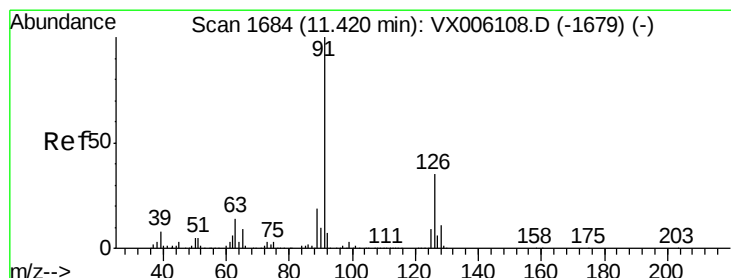
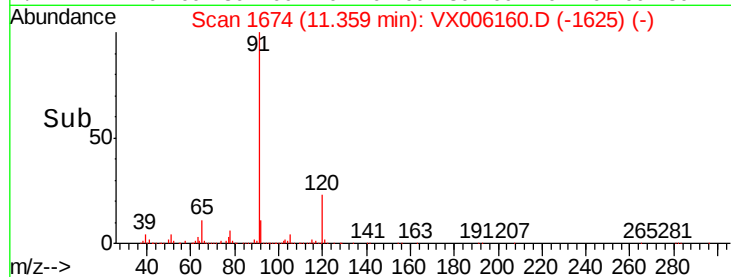
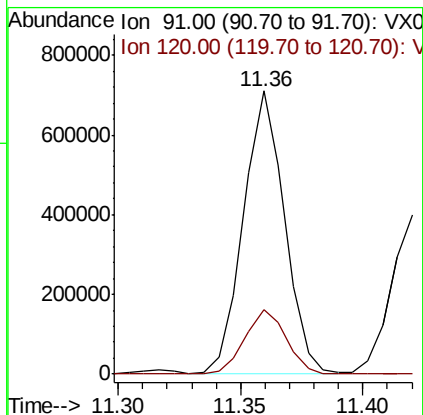
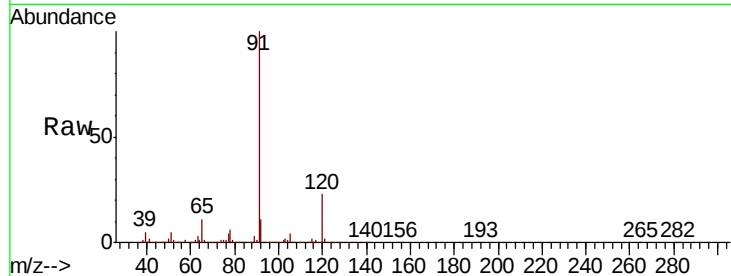
120 23.3 11.8 35.3

Manual Integrations

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#79

2-Chlorotoluene

Concen: 51.996 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006160.D

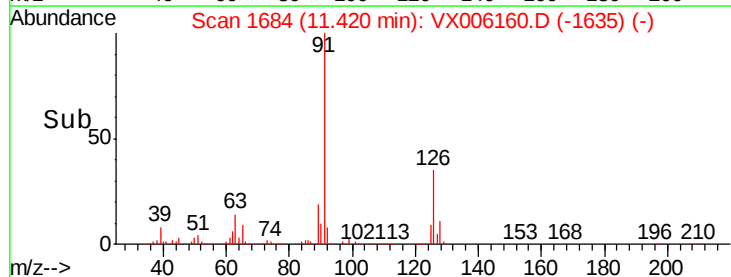
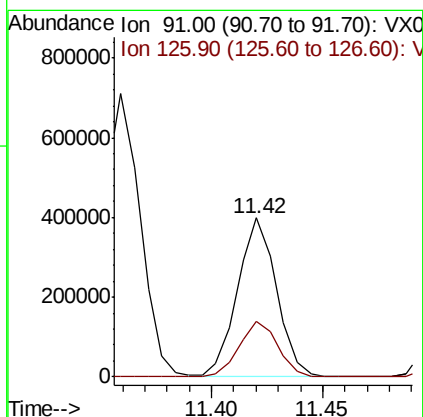
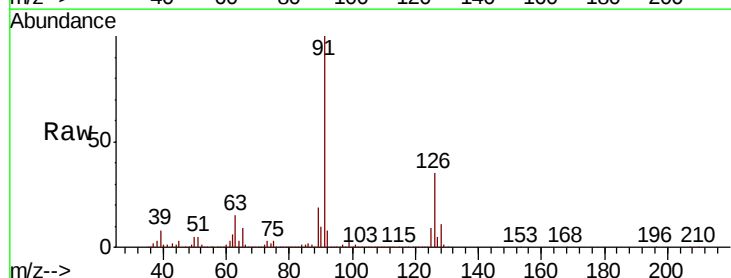
Acq: 22 Nov 2018 08:29

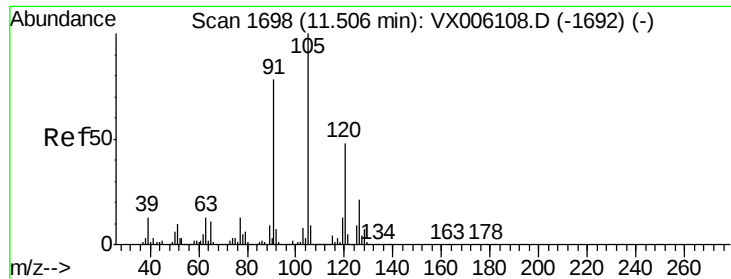
Tgt Ion: 91 Resp: 485192

Ion Ratio Lower Upper

91 100

126 35.1 17.6 52.9





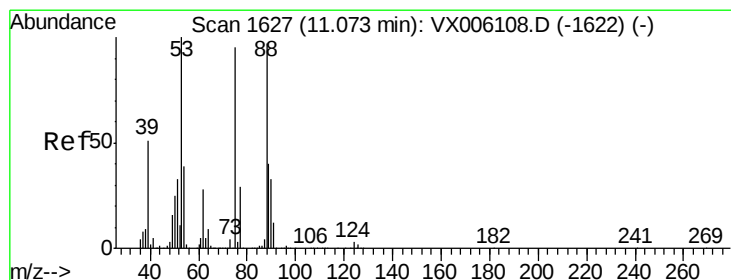
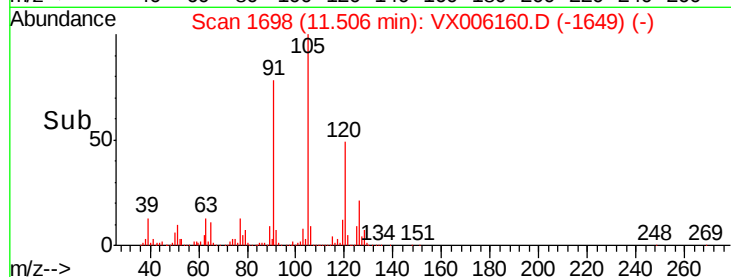
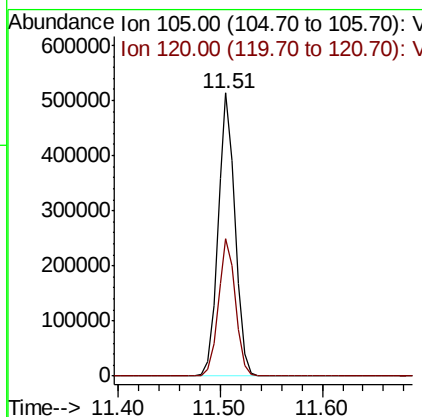
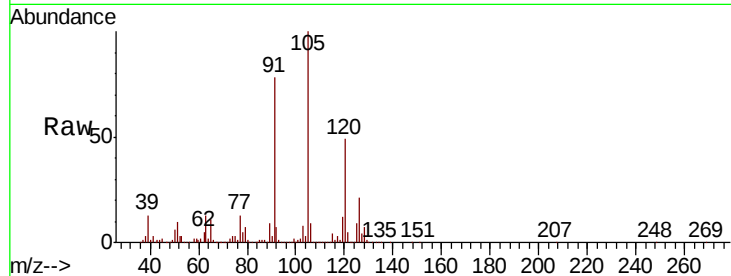
#80
 1,3,5-Trimethylbenzene
 Concen: 53.659 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX006160.D
 Acq: 22 Nov 2018 08:29

Instrument :
 MSVOA_X
 ClientSampleId :
 MMTW-01MSD

Tot Ion: 105 Resp: 599190
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 73.0

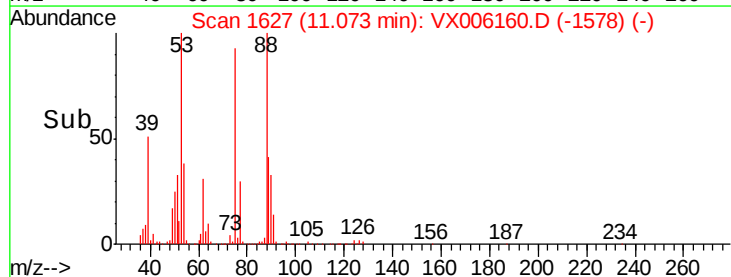
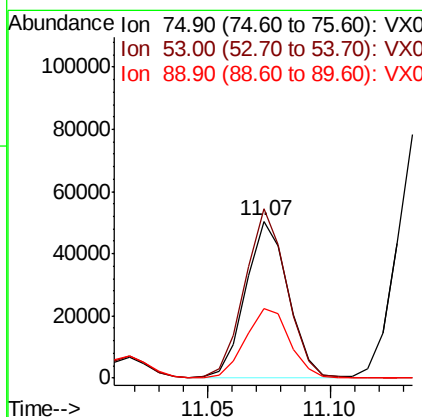
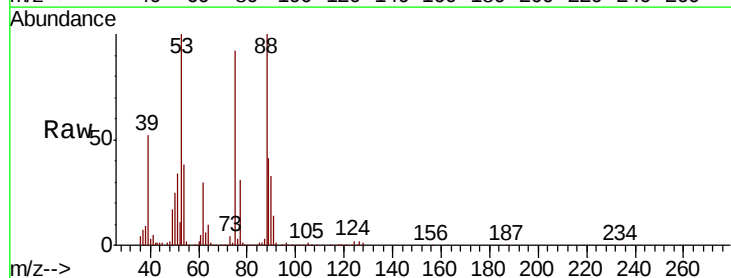
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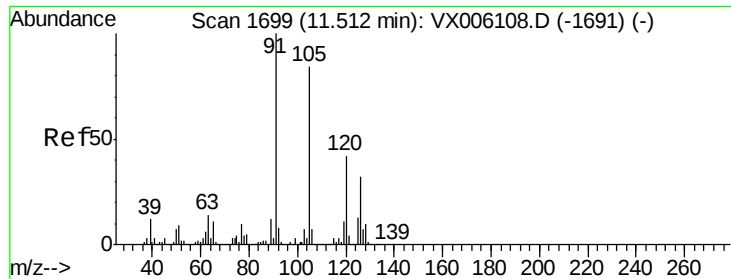
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.251 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX006160.D
 Acq: 22 Nov 2018 08:29

Tgt Ion: 75 Resp: 60294
 Ion Ratio Lower Upper
 75 100
 53 107.2 85.3 127.9
 89 47.2 37.2 55.8





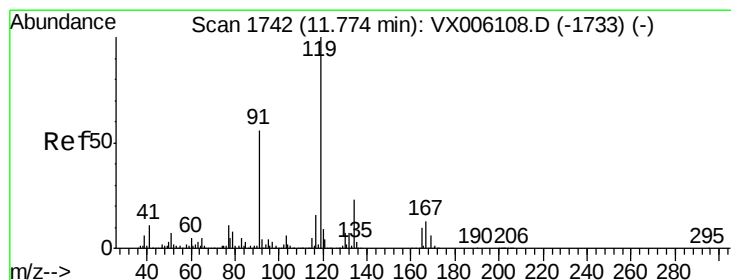
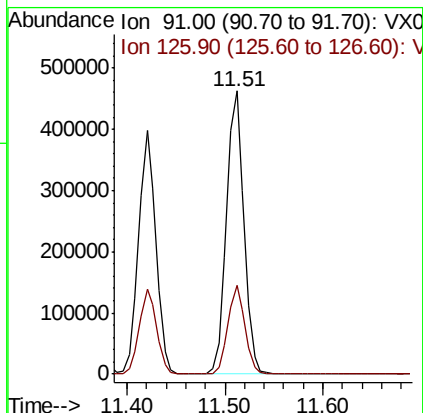
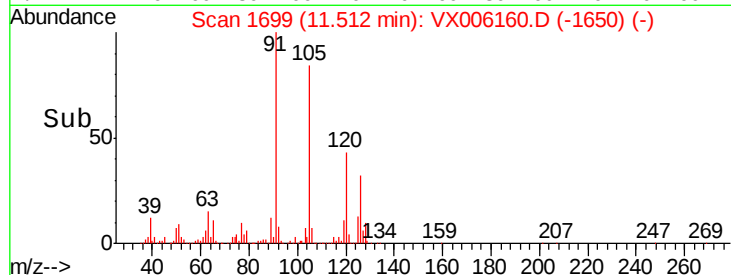
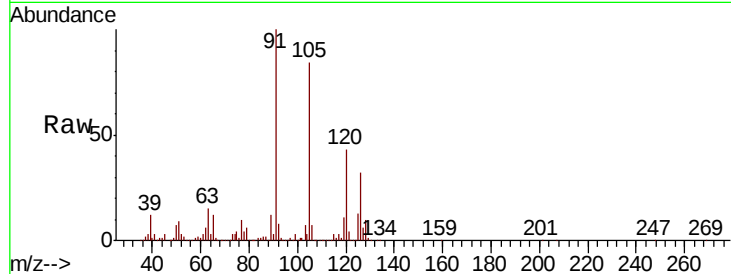
#82
4-Chlorotoluene
Concen: 52.657 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MSD

Tot Ion: 91 Resp: 573420
Ion Ratio Lower Upper
91 100
126 30.7 15.3 45.9

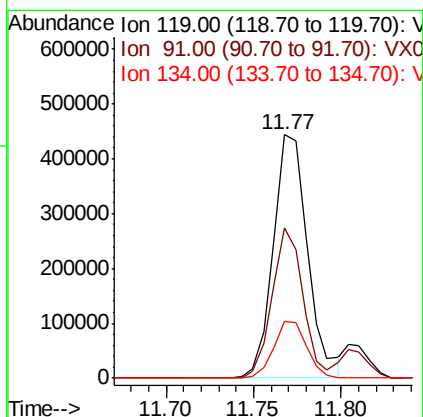
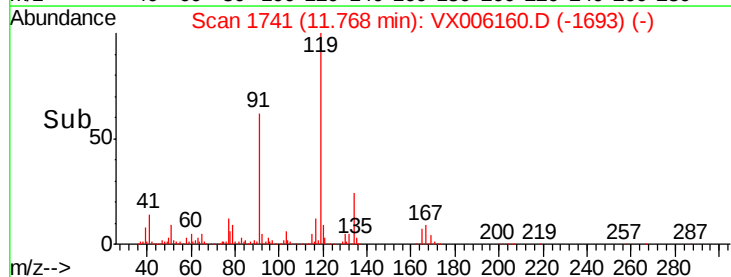
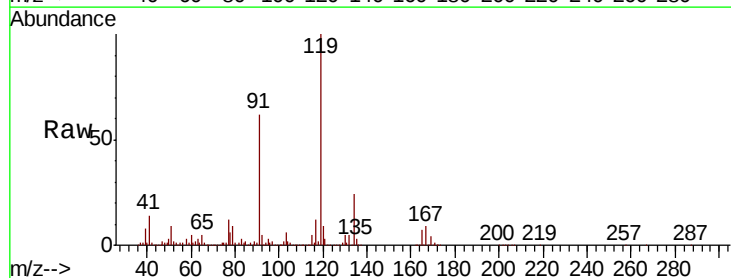
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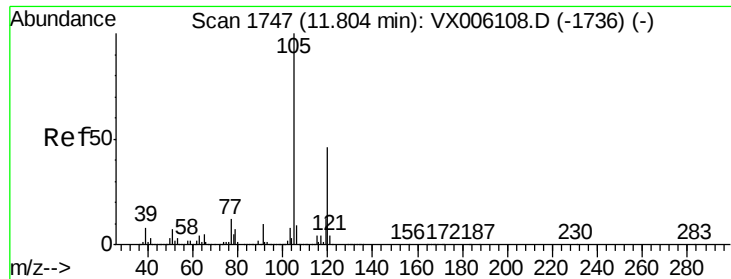
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#83
tert-Butylbenzene
Concen: 55.910 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Tgt Ion: 119 Resp: 609491
Ion Ratio Lower Upper
119 100
91 55.1 28.2 84.6
134 22.6 11.5 34.4





#84

1,2,4-Trimethylbenzene

Concen: 54.160 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MSD

Tot Ion:105 Resp: 616910

Ion Ratio Lower Upper

105 100

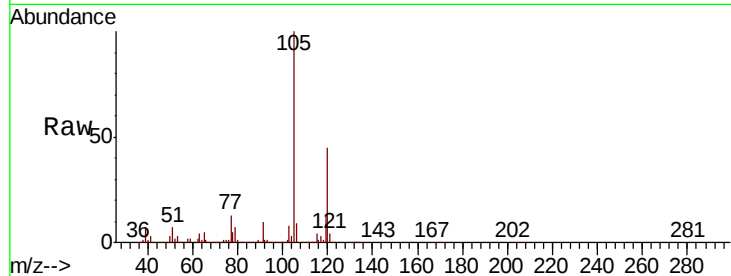
120 45.0 22.7 68.0

Manual Integrations

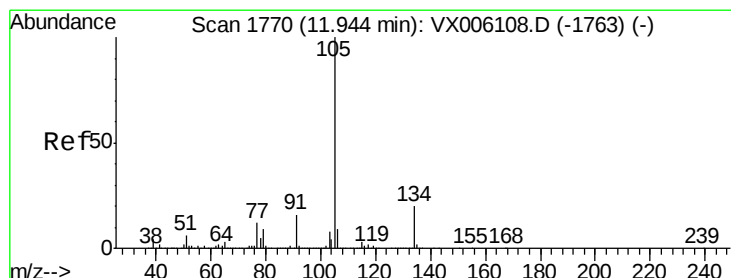
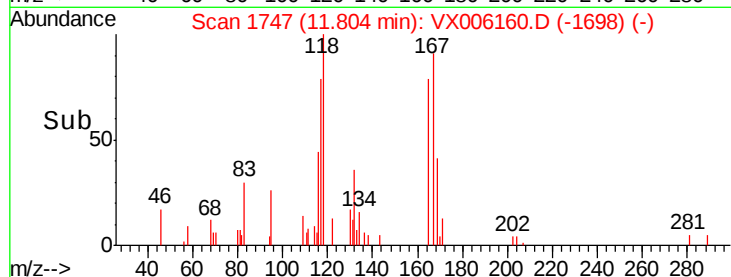
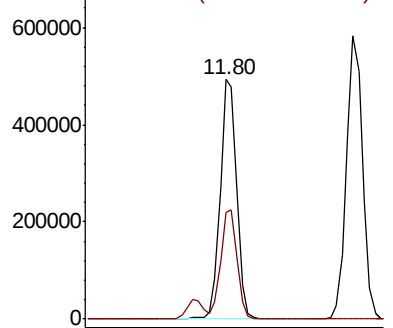
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Abundance Ion 105.00 (104.70 to 105.70): V



#85

sec-Butylbenzene

Concen: 53.720 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006160.D

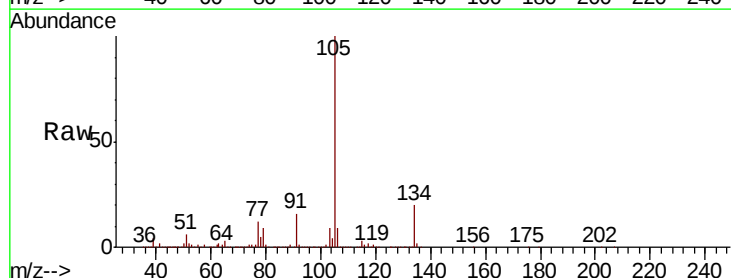
Acq: 22 Nov 2018 08:29

Tgt Ion:105 Resp: 716306

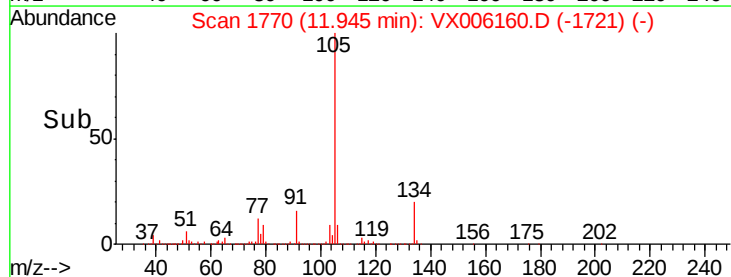
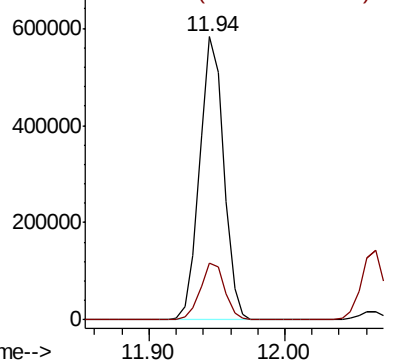
Ion Ratio Lower Upper

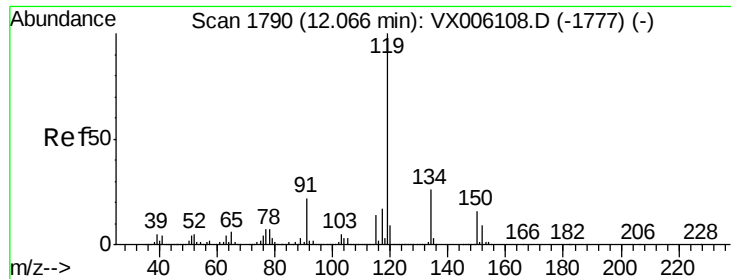
105 100

134 20.3 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V





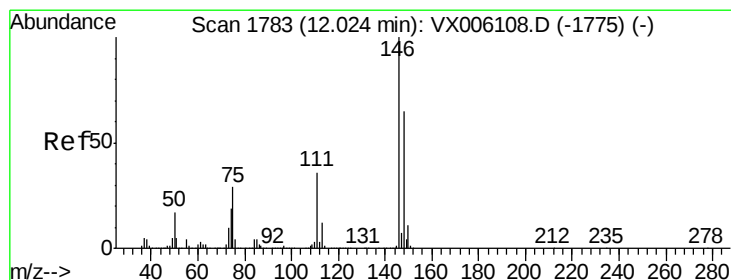
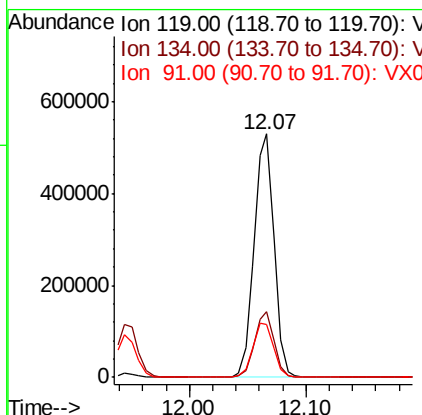
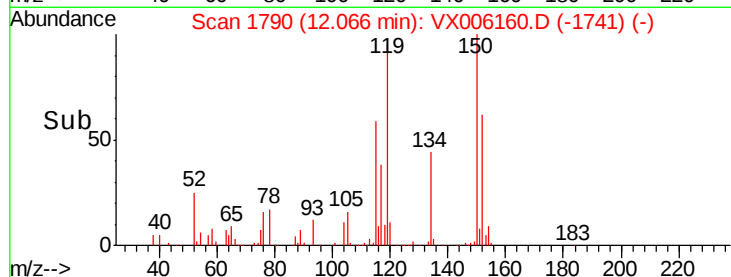
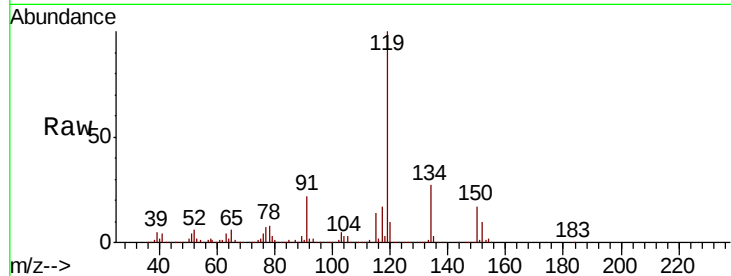
#86
p-Isopropyltoluene
Concen: 53.303 ug/l
RT: 12.07 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	633697		
134	26.6		13.1	39.3
91	23.0		11.3	33.9

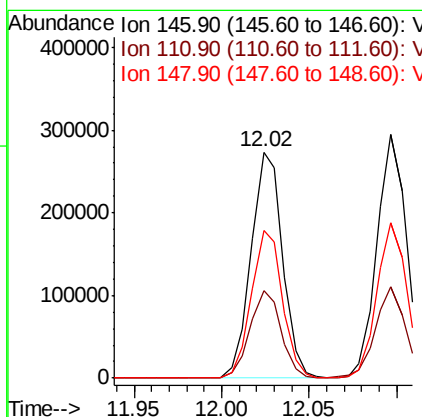
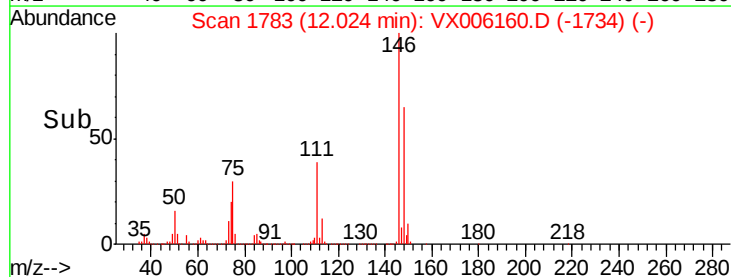
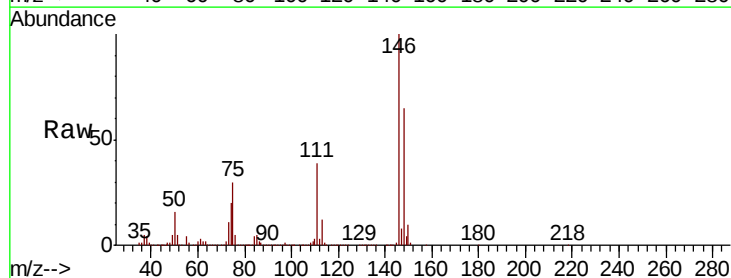
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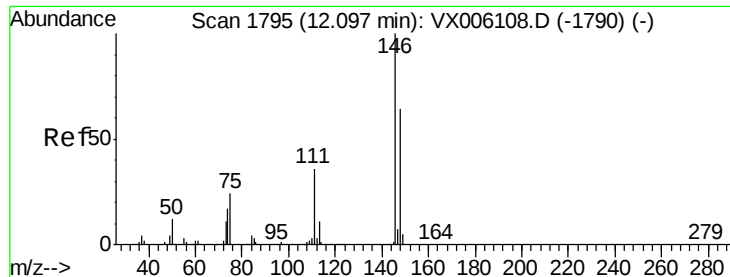
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#87
1,3-Dichlorobenzene
Concen: 49.945 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	341672		
111	38.2		18.8	56.3
148	65.0		32.2	96.6





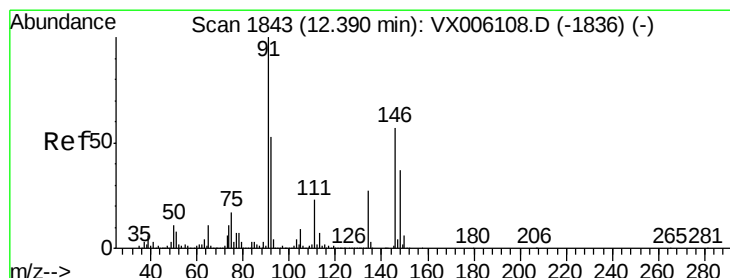
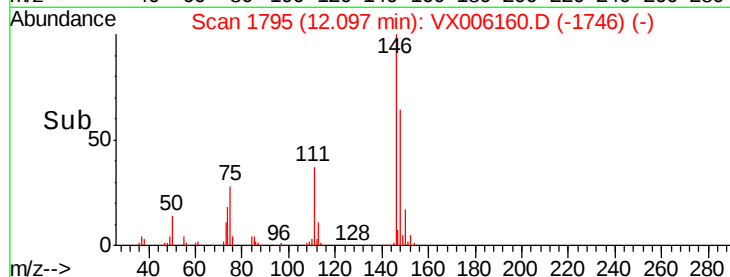
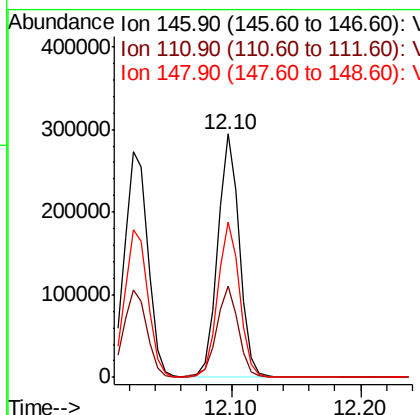
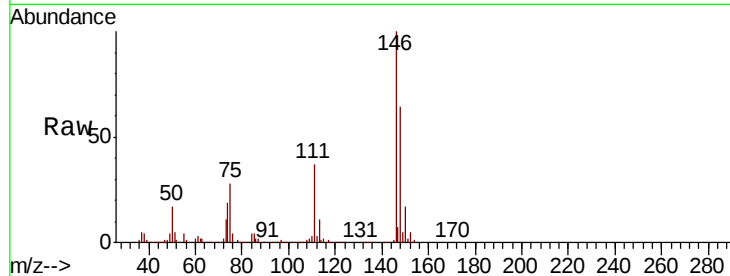
#88
 1,4-Dichlorobenzene
 Concen: 49.198 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006160.D
 Acq: 22 Nov 2018 08:29

Instrument :
 MSVOA_X
 ClientSampleId :
 MMTW-01MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.3	54.9
148	64.3	32.2	96.6

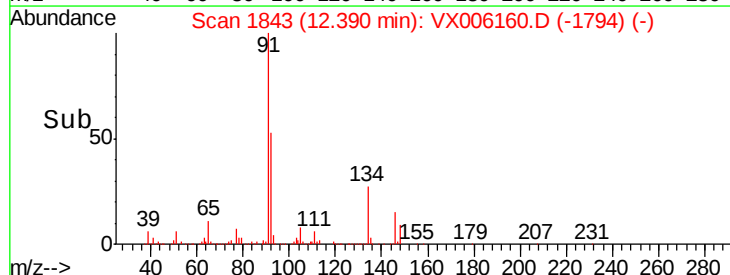
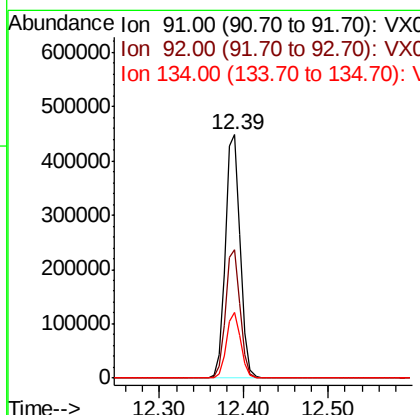
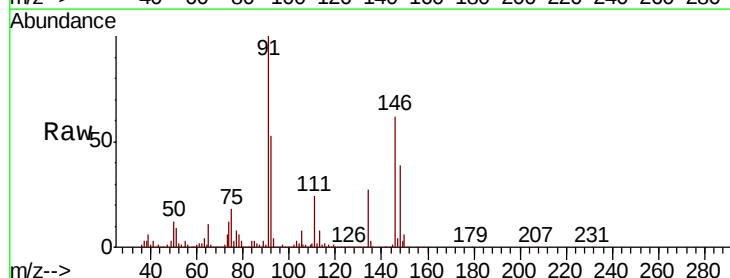
Manual Integrations
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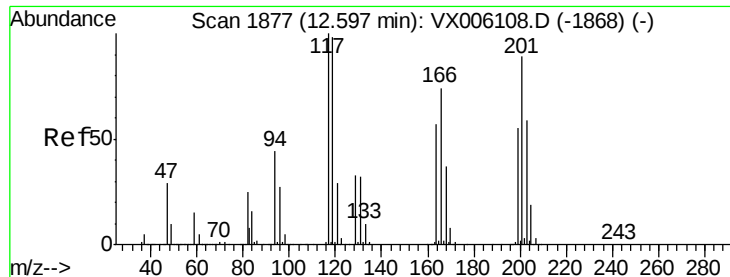
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#89
 n-Butylbenzene
 Concen: 50.554 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006160.D
 Acq: 22 Nov 2018 08:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.6	79.7
134	26.2	13.1	39.3





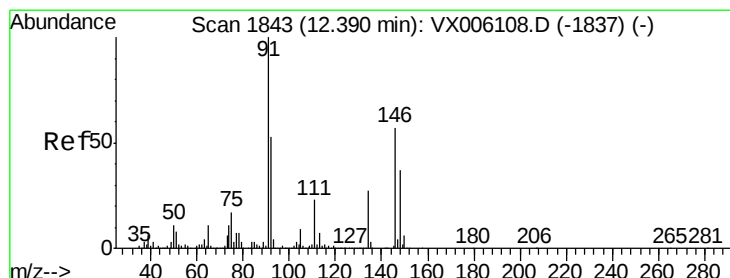
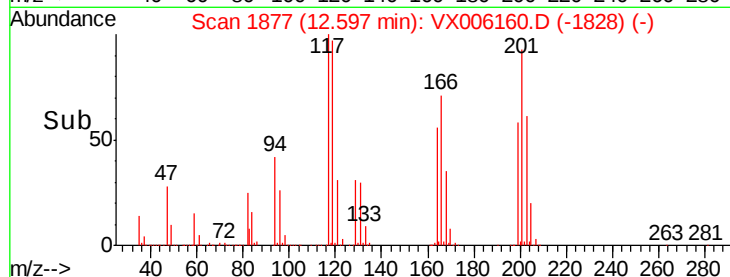
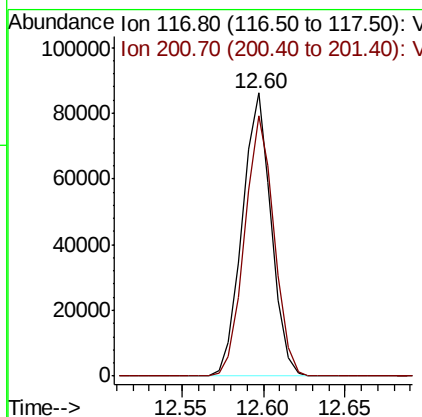
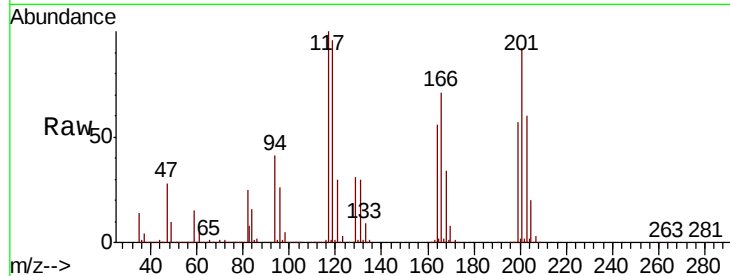
#90
Hexachloroethane
Concen: 56.214 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MSD

Tot Ion:117 Resp: 106648
Ion Ratio Lower Upper
117 100
201 93.1 46.1 138.2

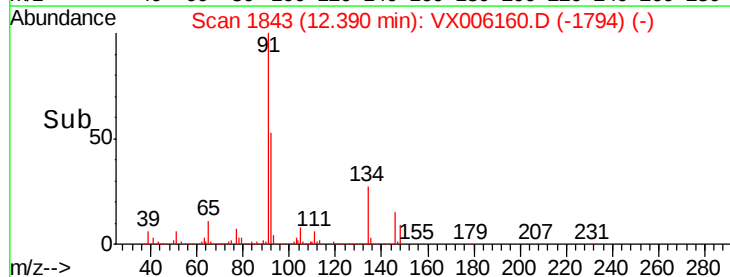
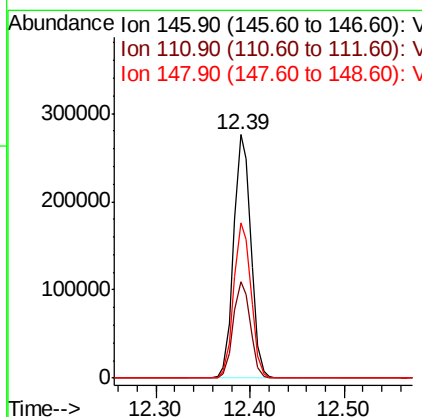
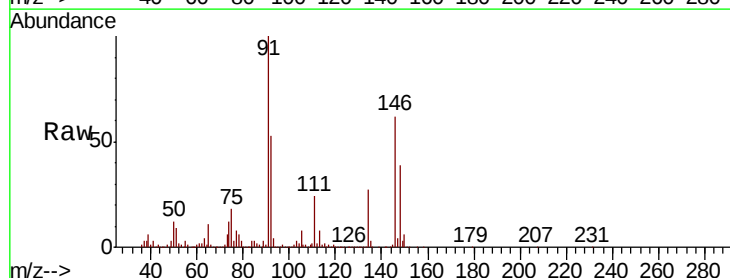
Manual Integrations
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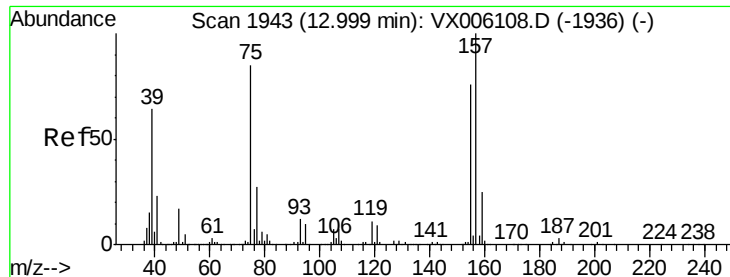
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#91
1,2-Dichlorobenzene
Concen: 49.982 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006160.D
Acq: 22 Nov 2018 08:29

Tgt Ion:146 Resp: 349576
Ion Ratio Lower Upper
146 100
111 39.7 19.6 58.8
148 64.0 32.0 96.0





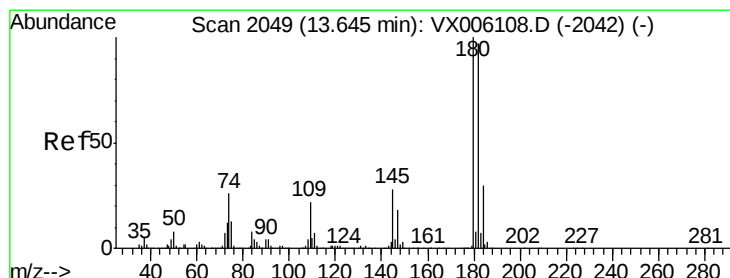
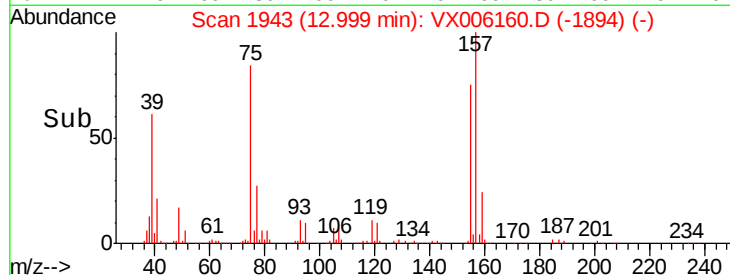
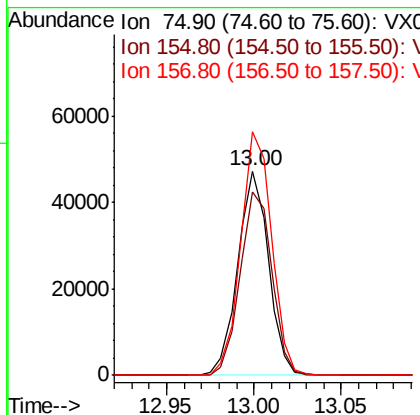
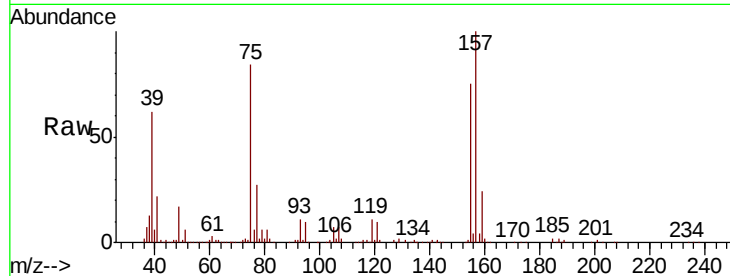
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.601 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006160.D
 Acq: 22 Nov 2018 08:29

Instrument :
 MSVOA_X
 ClientSampleId :
 MMTW-01MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	93.5	46.1	138.3
157	121.2	59.8	179.3

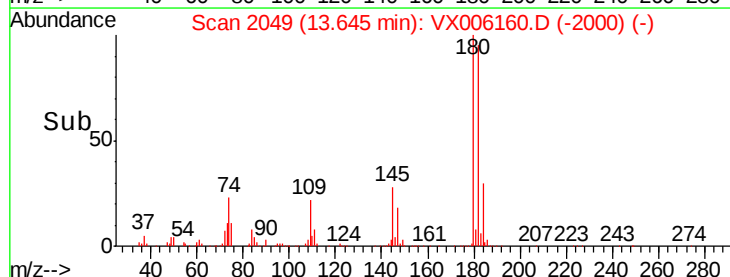
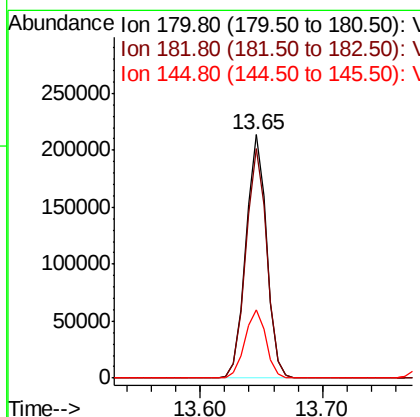
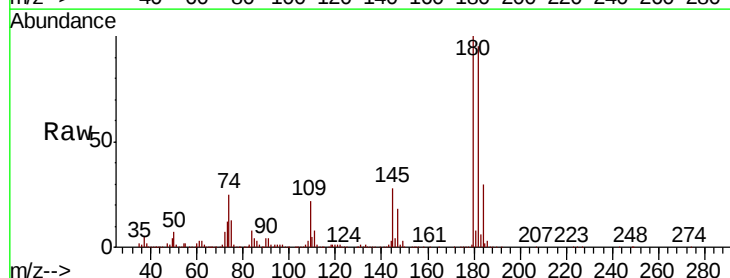
Manual Integrations
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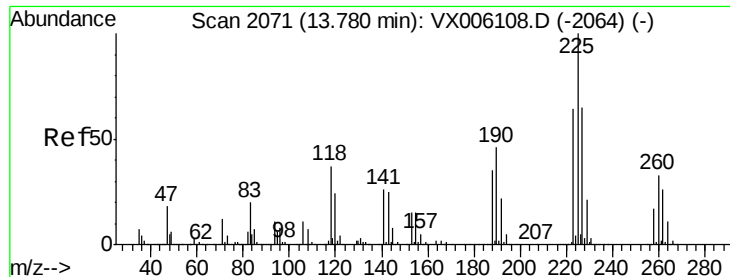
MMDadoda
 11/26/2018 9:49:24 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 50.941 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006160.D
 Acq: 22 Nov 2018 08:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.2	144.6
145	28.4	14.1	42.2





#94

Hexachlorobutadiene

Concen: 47.732 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Instrument :

MSVOA_X

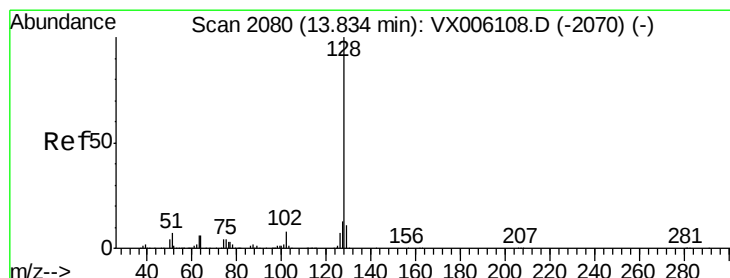
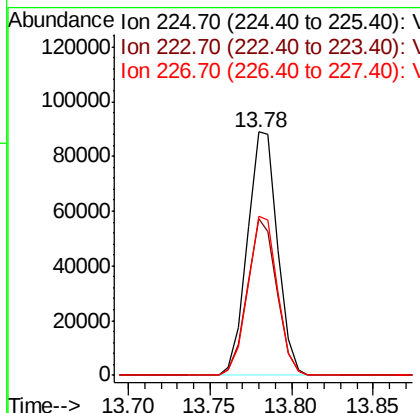
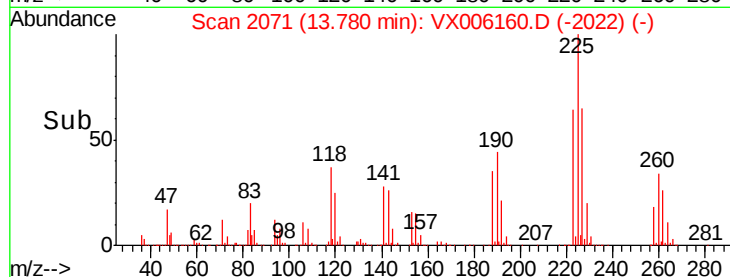
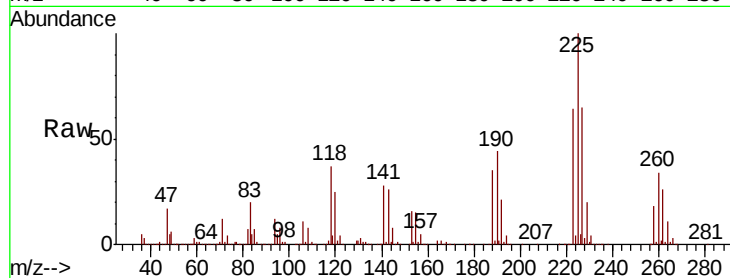
ClientSampleId :

MMTW-01MSD

Tot Ion:	225	Resp:	114615
Ion Ratio		Lower	Upper
225	100		
223	62.8	31.2	93.6
227	64.3	32.4	97.2

Manual Integrations
APPROVED

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11/26/2018 9:49:24 AM



#95

Naphthalene

Concen: 55.870 ug/l

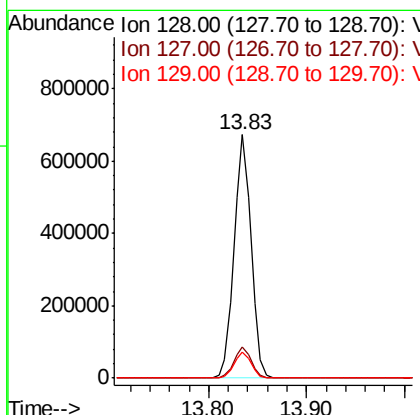
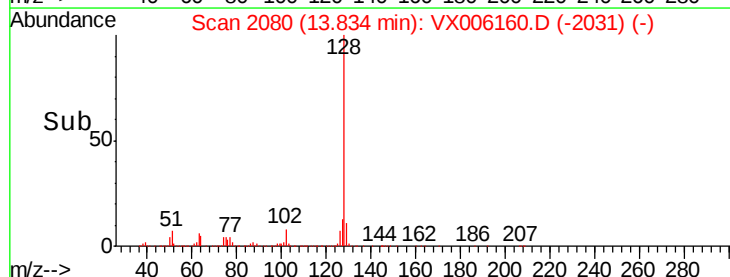
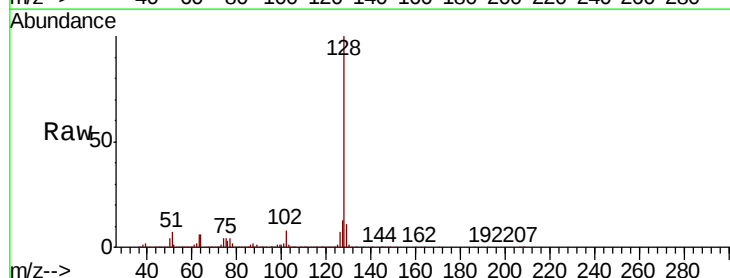
RT: 13.83 min Scan# 2080

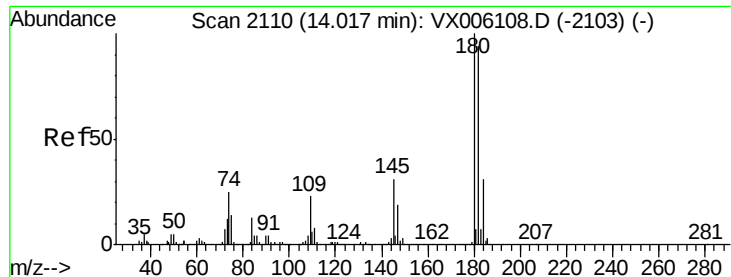
Delta R.T. 0.00 min

Lab File: VX006160.D

Acq: 22 Nov 2018 08:29

Tgt Ion:	128	Resp:	809440
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.8	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 52.223 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX006160.D
 Acq: 22 Nov 2018 08:29

Instrument :
 MSVOA_X
 ClientSampleId :
 MMTW-01MSD

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.2	47.5	142.5
145	30.0	15.0	45.0

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 9:49:24 AM

