

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112118\
 Data File : VX006159.D
 Acq On : 22 Nov 2018 08:02
 Operator : JC/MD
 Sample : J6032-05MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MMTW-01MS

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 9:49:20 AM

Quant Time: Nov 22 23:18:01 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	280615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	423039	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	399665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	215387	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	173187	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
35) Dibromofluoromethane	5.50	113	142234	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
50) Toluene-d8	8.71	98	535026	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
62) 4-Bromofluorobenzene	11.13	95	197409	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	100923	48.398	ug/l	99
3) Chloromethane	1.32	50	129262	49.070	ug/l	100
4) Vinyl Chloride	1.41	62	134953	50.366	ug/l	94
5) Bromomethane	1.64	94	94018	45.948	ug/l	98
6) Chloroethane	1.72	64	79683	61.994	ug/l	99
7) Trichlorofluoromethane	1.93	101	185961	53.053	ug/l	99
8) Diethyl Ether	2.19	74	77360	52.210	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.39	101	102216	49.178	ug/l	99
10) Methyl Iodide	2.51	142	123988	47.580	ug/l	99
11) Tert butyl alcohol	3.06	59	157732	228.032	ug/l	99
12) 1,1-Dichloroethene	2.37	96	101948	50.314	ug/l	98
13) Acrolein	2.29	56	103539	250.148	ug/l	99
14) Allyl chloride	2.73	41	214248	51.682	ug/l	99
15) Acrylonitrile	3.15	53	388316	254.164	ug/l	99
16) Acetone	2.45	43	353819	245.215	ug/l	99
17) Carbon Disulfide	2.57	76	313388	57.280	ug/l	98
18) Methyl Acetate	2.78	43	177121	47.868	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	379452	54.178	ug/l	99
20) Methylene Chloride	2.86	84	122598	56.179	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	113563	53.567	ug/l	94
22) Diisopropyl ether	3.87	45	440462	49.633	ug/l	94
23) Vinyl Acetate	3.82	43	1670976	226.961	ug/l	100
24) 1,1-Dichloroethane	3.70	63	221662	53.019	ug/l	99
25) 2-Butanone	4.70	43	648006	241.955	ug/l	98
26) 2,2-Dichloropropane	4.59	77	131993	38.305	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	150684	50.854	ug/l	98
28) Bromochloromethane	5.02	49	133940	54.968	ug/l	100
29) Tetrahydrofuran	5.15	42	424652	254.174	ug/l	100
30) Chloroform	5.21	83	257279	50.781	ug/l	98
31) Cyclohexane	5.57	56	217389	49.779	ug/l	100
32) 1,1,1-Trichloroethane	5.50	97	220546	53.911	ug/l	99
36) 1,1-Dichloropropene	5.80	75	189307	49.188	ug/l	99
37) Ethyl Acetate	4.85	43	214234	43.266	ug/l	99
38) Carbon Tetrachloride	5.78	117	193137	53.391	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	205685	46.911	ug/l	98
40) Benzene	6.15	78	575802	50.782	ug/l	99
41) Methacrylonitrile	5.06	41	137850	50.519	ug/l	99
42) 1,2-Dichloroethane	6.20	62	210773	49.721	ug/l	100
43) Isopropyl Acetate	6.46	43	343908	48.094	ug/l	99
44) Trichloroethene	7.21	130	153322	48.652	ug/l	100
45) 1,2-Dichloropropane	7.51	63	155108	51.690	ug/l	96
46) Dibromomethane	7.66	93	102906	50.075	ug/l	99
47) Bromodichloromethane	7.90	83	198289	52.170	ug/l	97
48) Methyl methacrylate	7.77	41	196950	54.307	ug/l	99
49) 1,4-Dioxane	7.75	88	69416	806.789	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1302760	254.130	ug/l	100
52) Toluene	8.79	92	363694	51.858	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	201752	50.867	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	214431	48.906	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	152902	50.340	ug/l	98
56) Ethyl methacrylate	9.18	69	230412	48.788	ug/l	99
57) 1,3-Dichloropropane	9.37	76	254651	50.864	ug/l	100
59) 2-Hexanone	9.49	43	1016627	249.888	ug/l	99
60) Dibromochloromethane	9.59	129	161428	54.209	ug/l	99
61) 1,2-Dibromoethane	9.67	107	162530	51.941	ug/l	100
64) Tetrachloroethene	9.34	164	138244	42.032	ug/l	97
65) Chlorobenzene	10.14	112	414672	50.582	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	148587	52.794	ug/l	99
67) Ethyl Benzene	10.25	91	704708	52.500	ug/l	99
68) m/p-Xylenes	10.36	106	547272	104.704	ug/l	99
69) o-Xylene	10.70	106	264569	52.991	ug/l	100
70) Styrene	10.71	104	440658	54.131	ug/l	100
71) Bromoform	10.86	173	131349	52.137	ug/l	99
73) Isopropylbenzene	11.02	105	714366	54.816	ug/l	100
74) N-amyl acetate	10.90	43	298981	45.227	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	253090	51.533	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	228942m	51.629	ug/l	
77) Bromobenzene	11.26	156	194416	53.254	ug/l	98
78) n-propylbenzene	11.36	91	822808	54.214	ug/l	100
79) 2-Chlorotoluene	11.42	91	489070	53.265	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	602686	54.851	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	61642	47.016	ug/l	97
82) 4-Chlorotoluene	11.51	91	579883	54.118	ug/l	100
83) tert-Butylbenzene	11.77	119	612881	57.137	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	621130	55.419	ug/l	99
85) sec-Butylbenzene	11.94	105	722467	55.064	ug/l	100
86) p-Isopropyltoluene	12.07	119	636865	54.443	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	345468	51.323	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	350098	50.171	ug/l	100
89) n-Butylbenzene	12.39	91	548057	51.746	ug/l	99
90) Hexachloroethane	12.60	117	106162	56.870	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	352687	51.249	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	59675	52.364	ug/l	98
93) 1,2,4-Trichlorobenzene	13.65	180	254299	52.455	ug/l	99

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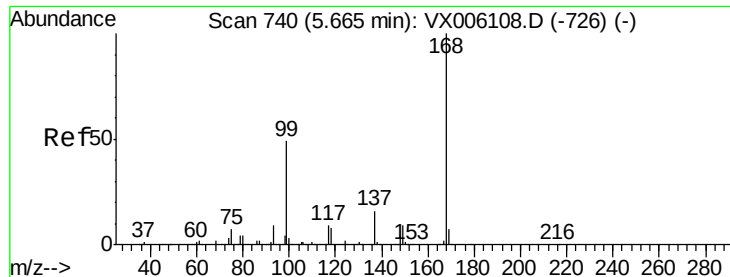
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	116484	49.301	ug/l	100
95) Naphthalene	13.83	128	817405	57.339	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	265393	53.697	ug/l	99

(#) = 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: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MS

Tot Ion:168 Resp: 280615

Ion Ratio Lower Upper

168 100

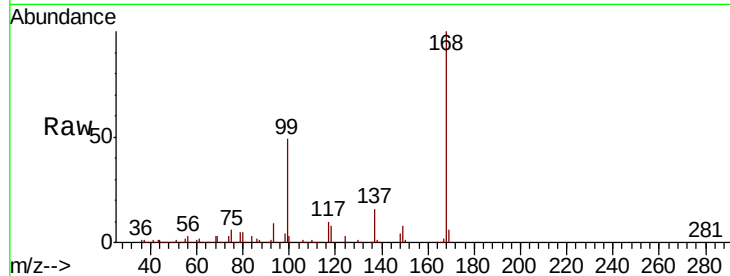
99 48.9 39.2 58.8

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

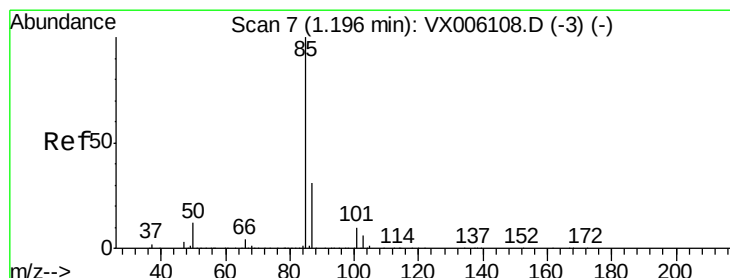
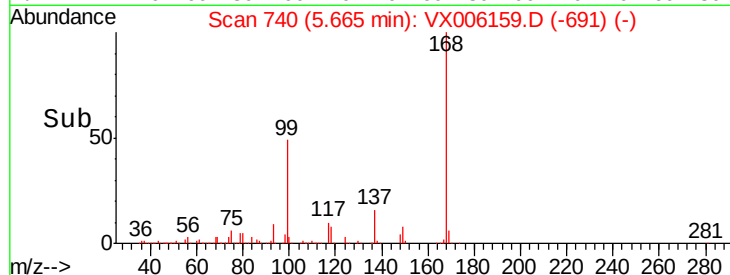
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 48.398 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006159.D

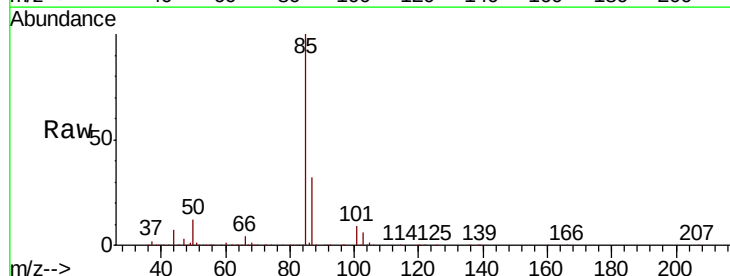
Acq: 22 Nov 2018 08:02

Tgt Ion: 85 Resp: 100923

Ion Ratio Lower Upper

85 100

87 31.7 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

120000

100000

80000

60000

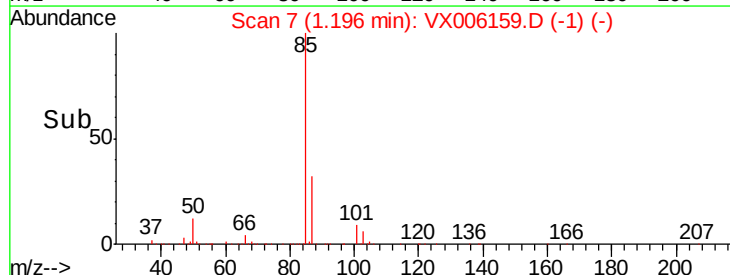
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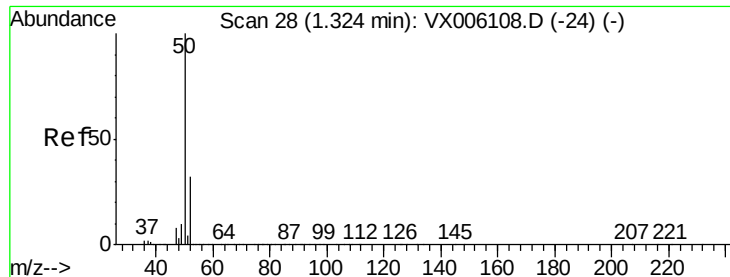
20000

0

1.15 1.20 1.25 1.30 1.35

Time-->





#3

Chloromethane

Concen: 49.070 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MS

Tot Ion: 50 Resp: 129262

Ion Ratio Lower Upper

50 100

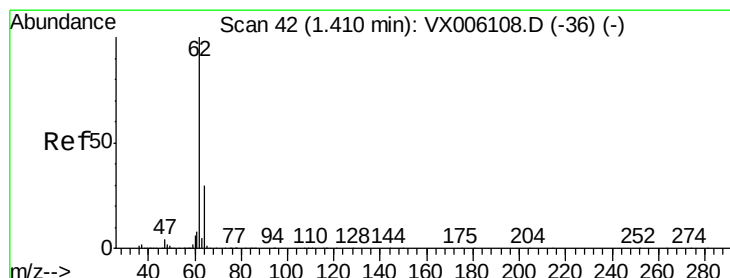
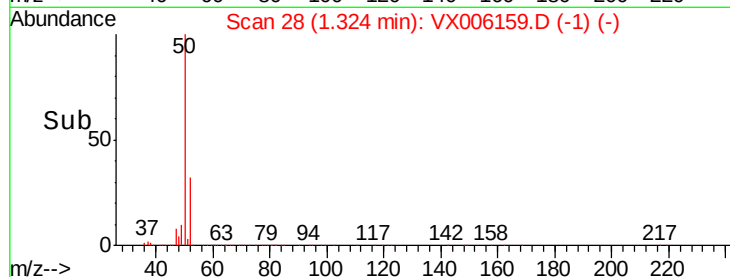
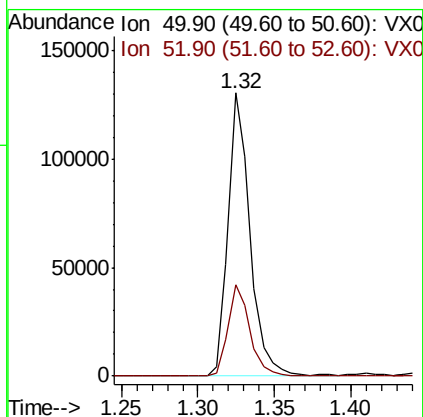
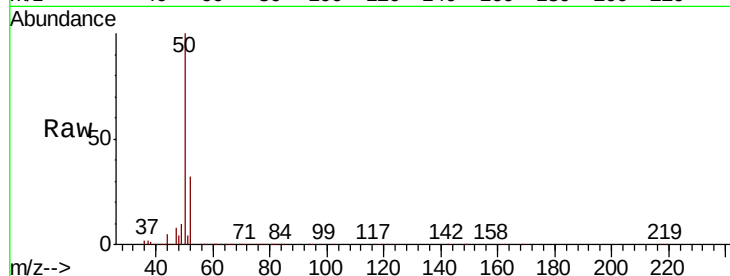
52 32.0 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.366 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006159.D

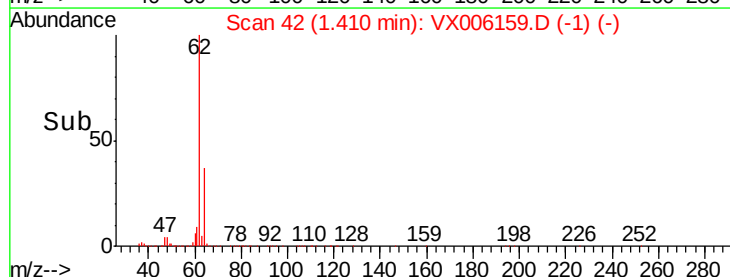
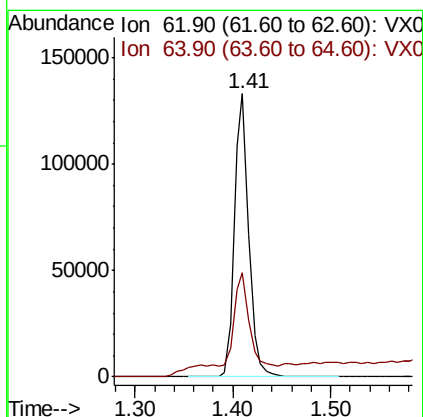
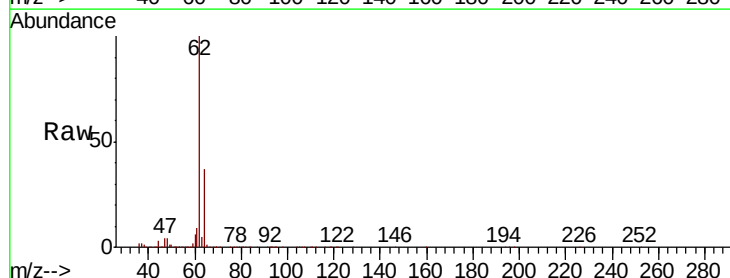
Acq: 22 Nov 2018 08:02

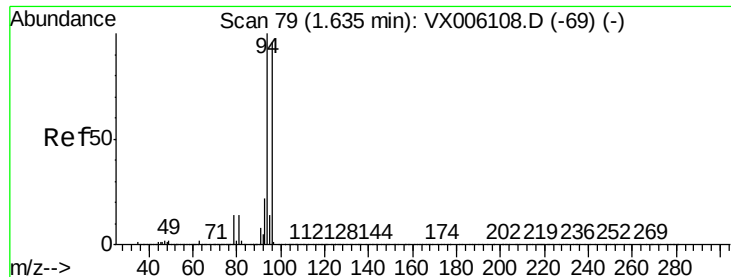
Tgt Ion: 62 Resp: 134953

Ion Ratio Lower Upper

62 100

64 33.6 24.2 36.4





#5

Bromomethane

Concen: 45.948 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MS

Tot Ion: 94 Resp: 94018

Ion Ratio Lower Upper

94 100

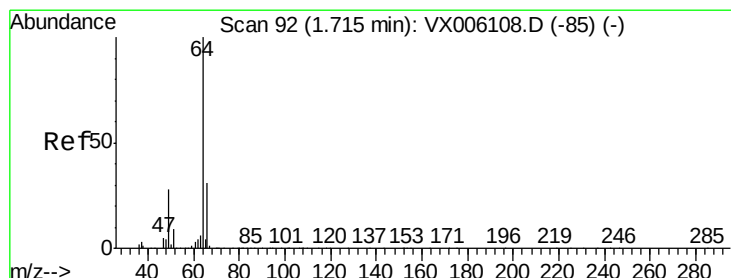
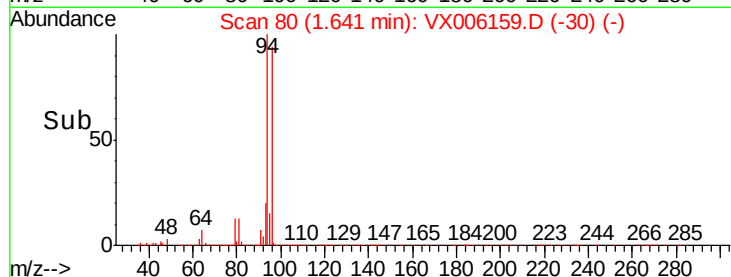
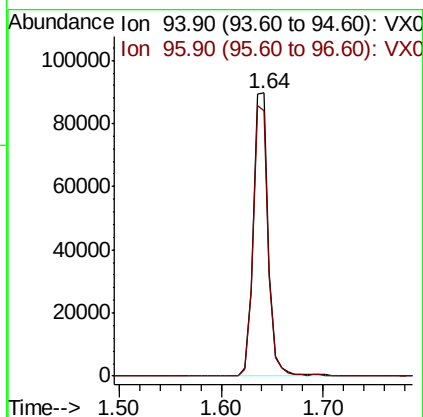
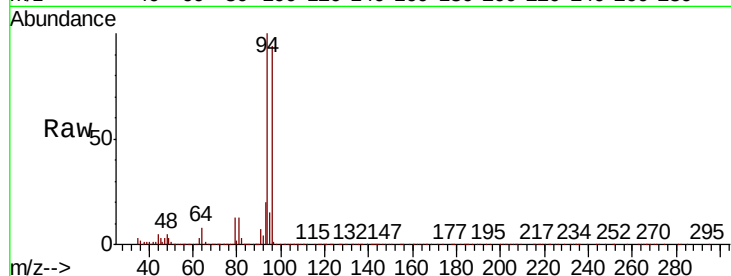
96 93.6 76.7 115.1

Manual Integrations

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#6

Chloroethane

Concen: 61.994 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX006159.D

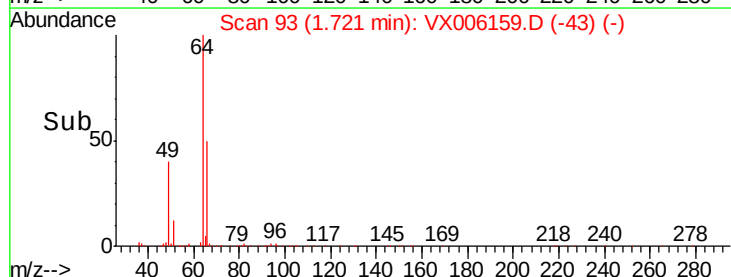
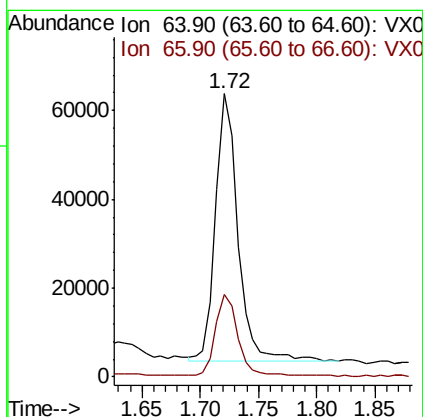
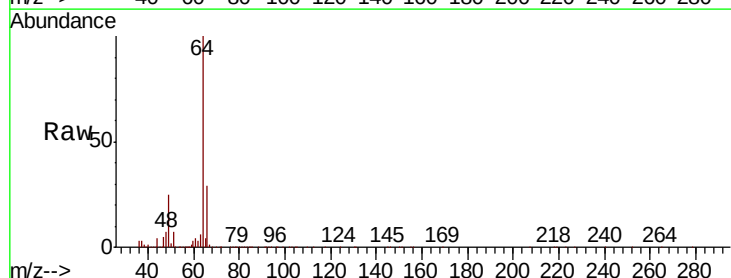
Acq: 22 Nov 2018 08:02

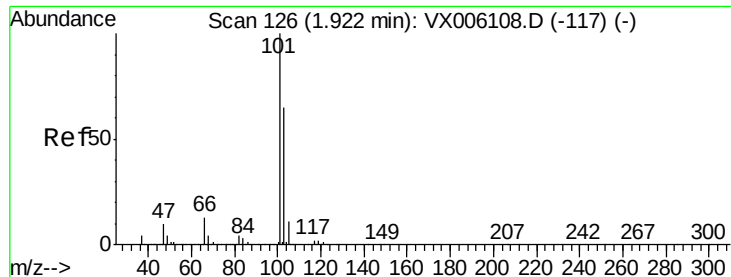
Tgt Ion: 64 Resp: 79683

Ion Ratio Lower Upper

64 100

66 30.7 25.1 37.7





#7

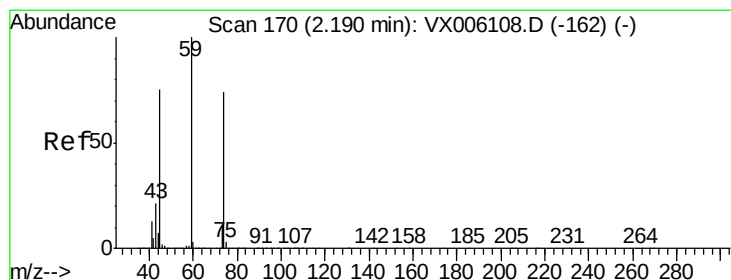
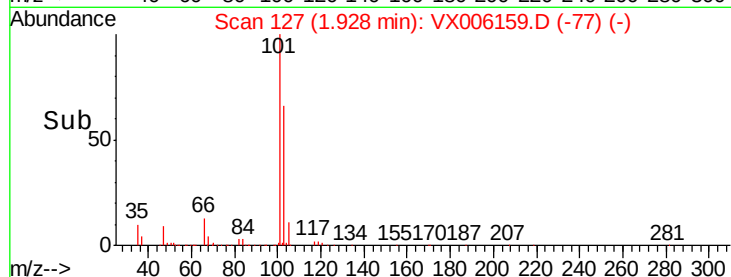
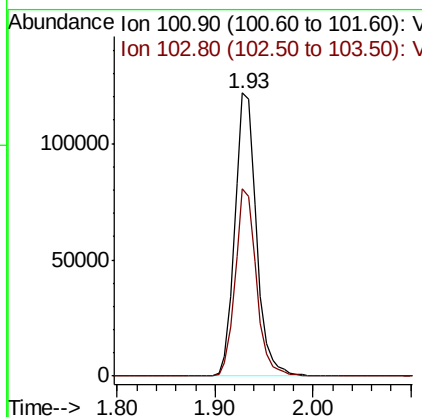
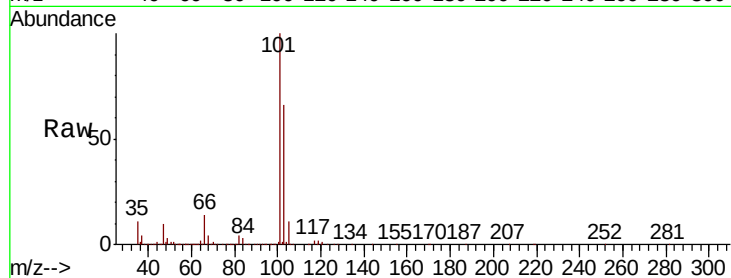
Trichlorofluoromethane
Concen: 53.053 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX006159.D
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ClientSampleId :
MMTW-01MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.1	78.1

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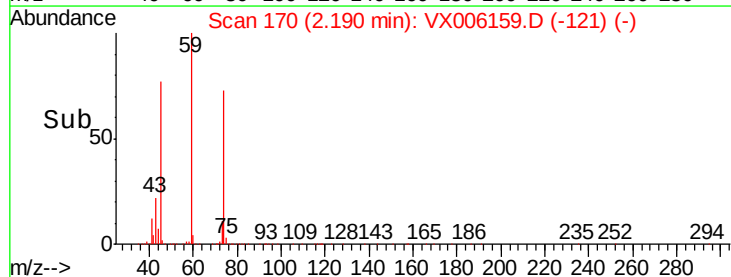
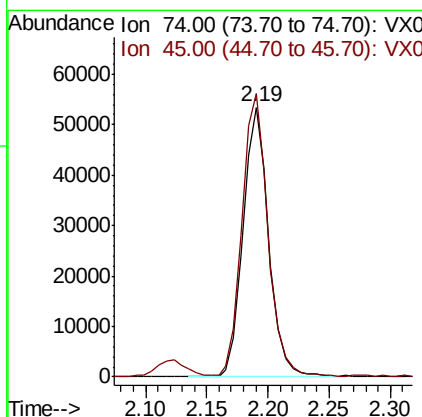
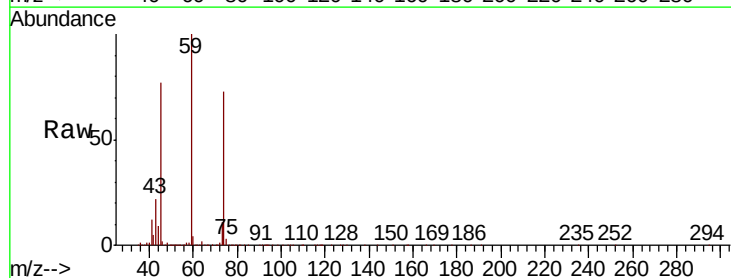
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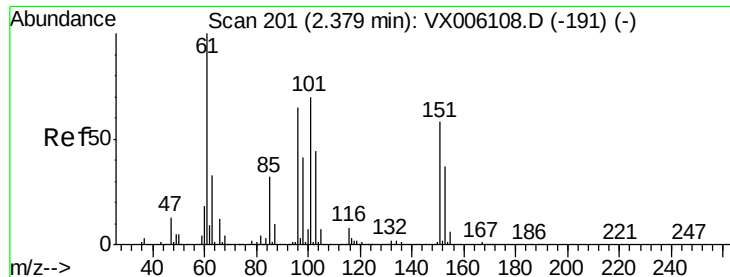


#8

Diethyl Ether
Concen: 52.210 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.8	52.2	156.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.178 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

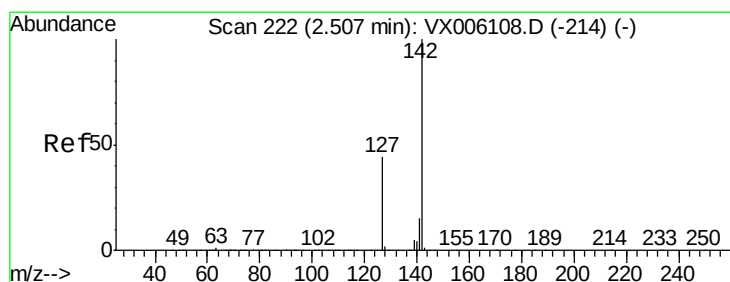
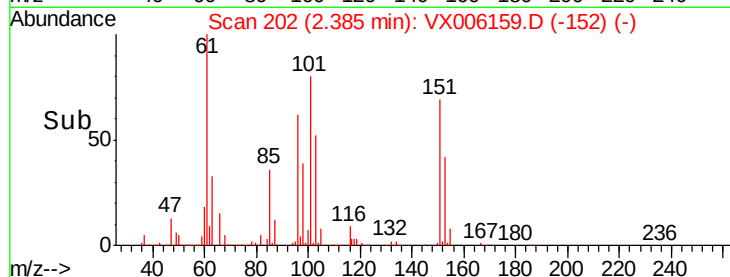
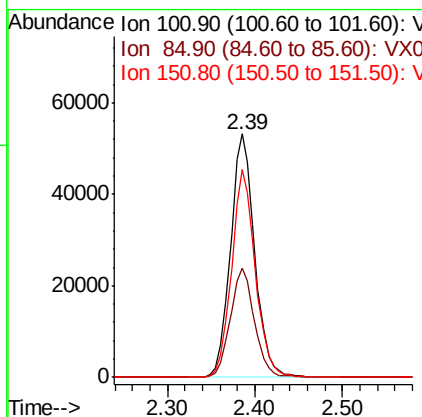
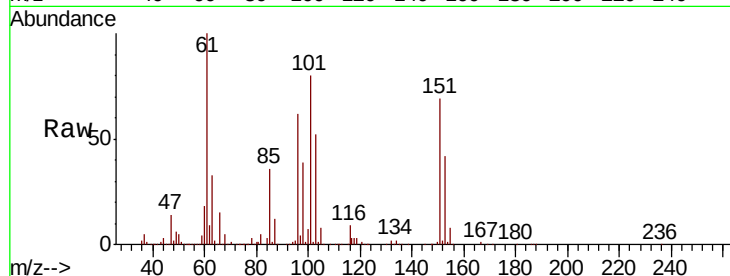
ClientSampleId :

MMTW-01MS

Tot Ion:	101	Resp:	102216
Ion Ratio	Lower	Upper	
101	100		
85	45.0	36.0	54.0
151	84.0	65.8	98.6

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#10

Methyl Iodide

Concen: 47.580 ug/l

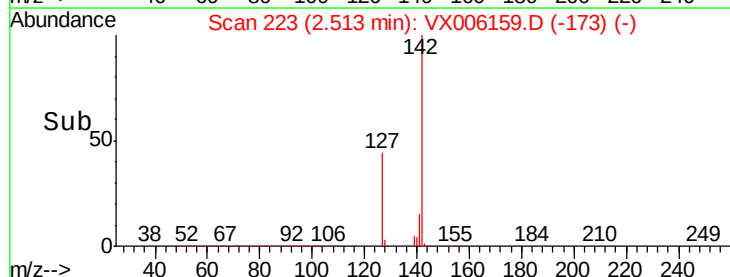
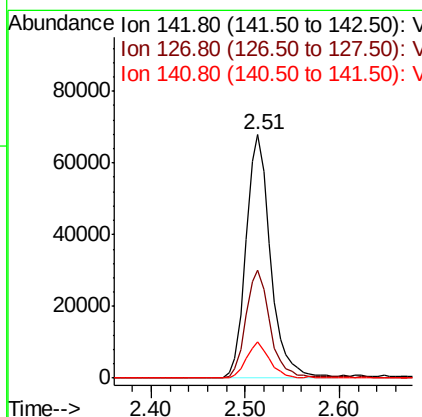
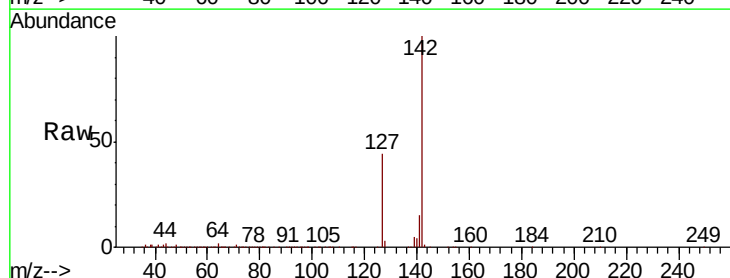
RT: 2.51 min Scan# 223

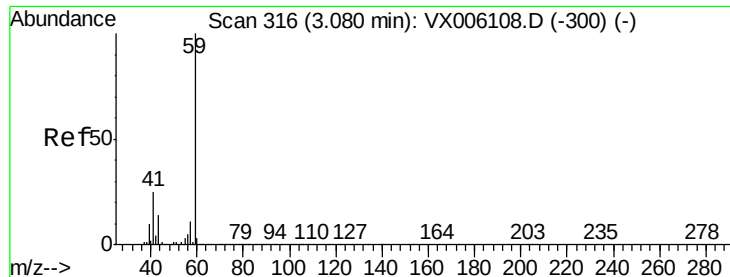
Delta R.T. 0.01 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Tgt Ion:	142	Resp:	123988
Ion Ratio	Lower	Upper	
142	100		
127	44.2	36.0	54.0
141	14.4	11.7	17.5





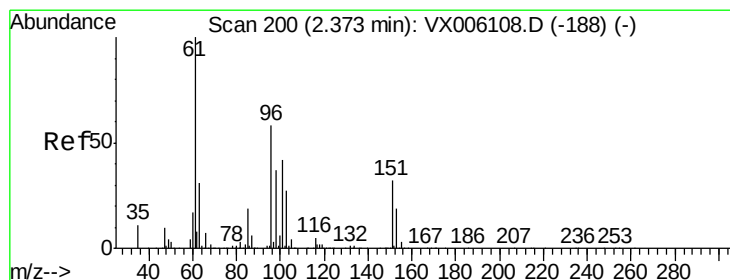
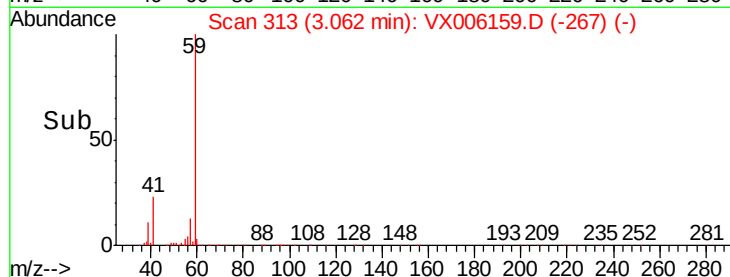
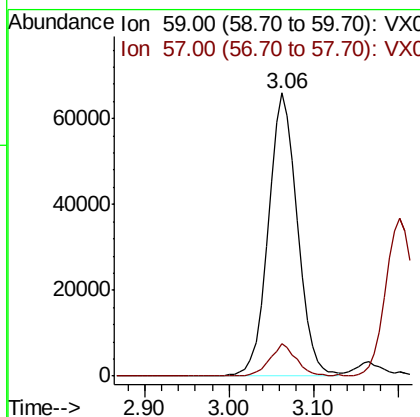
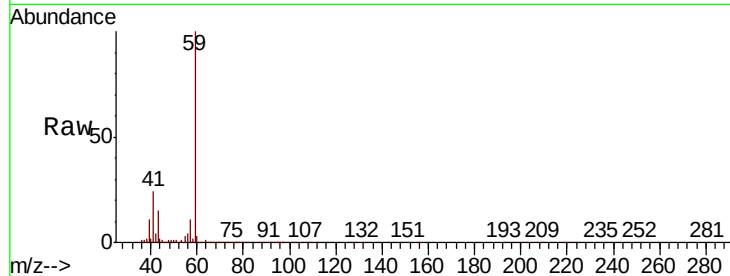
#11
Tert butyl alcohol
Concen: 228.032 ug/l
RT: 3.06 min Scan# 313
Delta R.T. -0.02 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MS

Tot Ion: 59 Resp: 157732
Ion Ratio Lower Upper
59 100
57 10.6 8.7 13.1

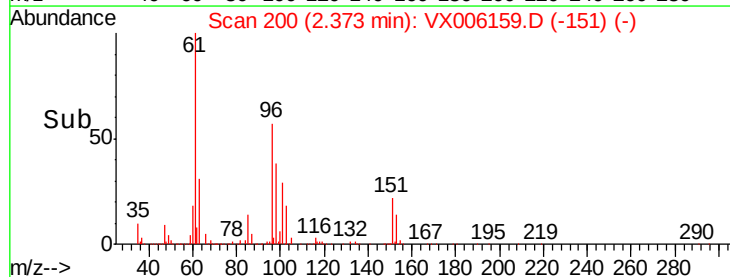
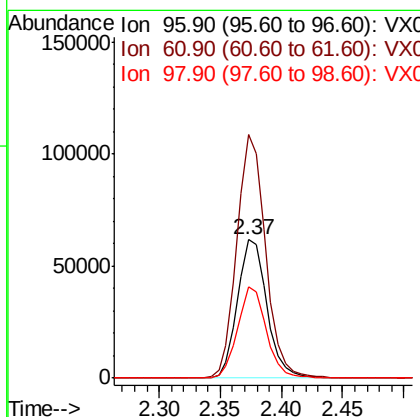
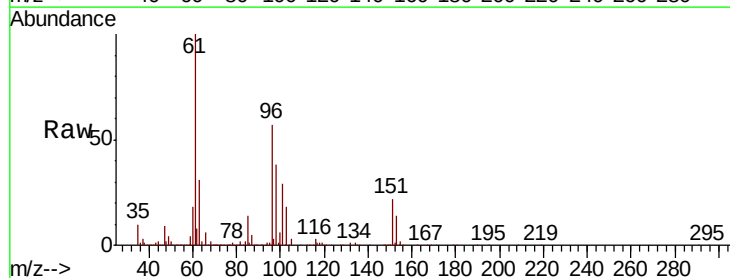
Manual Integrations
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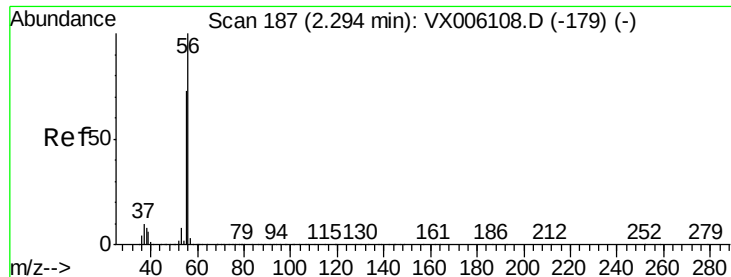
MMDadoda
11/26/2018 9:49:20 AM



#12
1,1-Dichloroethene
Concen: 50.314 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Tgt Ion: 96 Resp: 101948
Ion Ratio Lower Upper
96 100
61 175.9 138.2 207.4
98 66.3 51.3 76.9





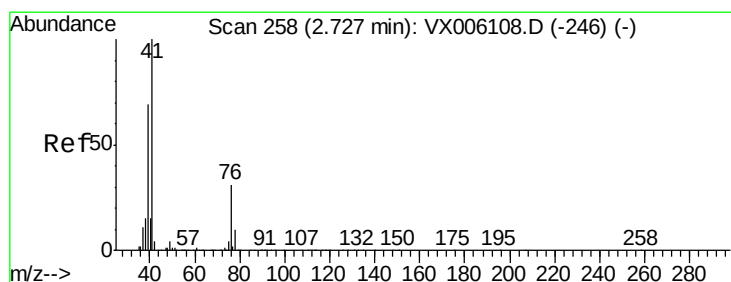
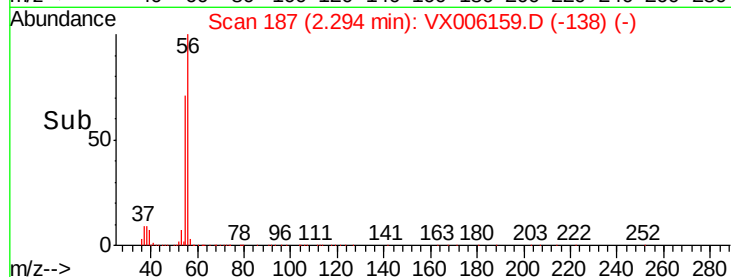
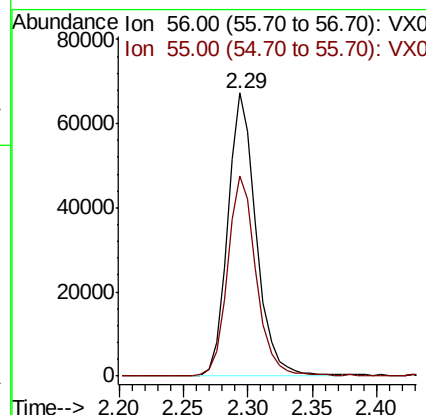
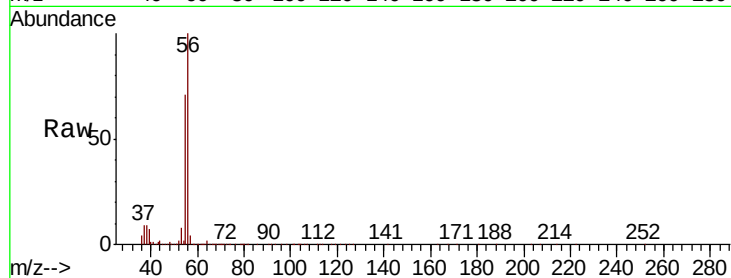
#13
Acrolein
Concen: 250.148 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MS

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	57.8	86.6

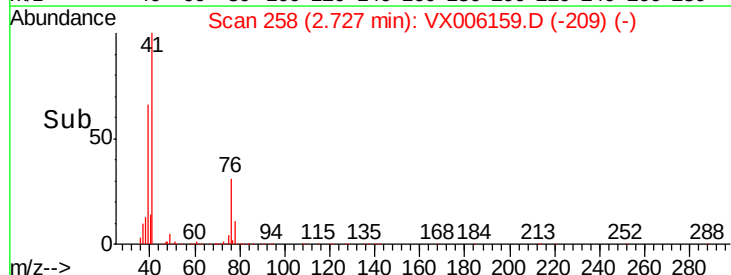
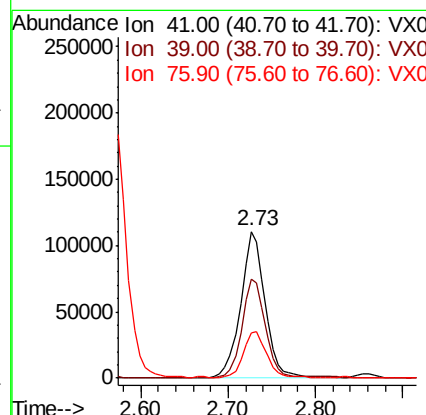
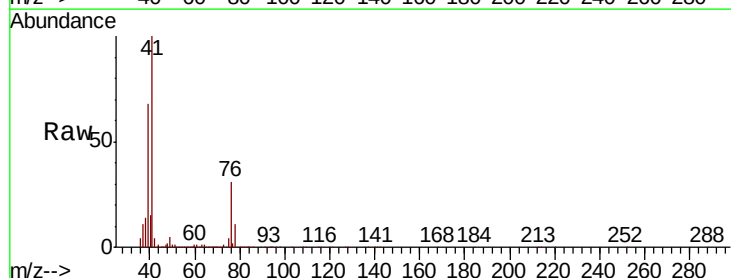
Manual Integrations
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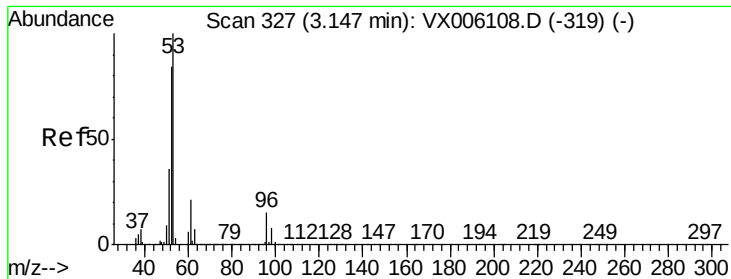
MMDadoda
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#14
Allyl chloride
Concen: 51.682 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	64.6	52.5	78.7
76	29.0	23.4	35.2





#15

Acrylonitrile

Concen: 254.164 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

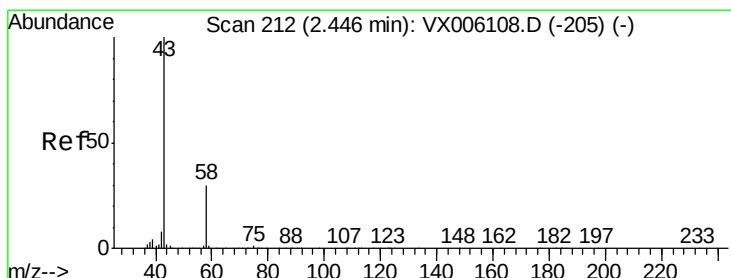
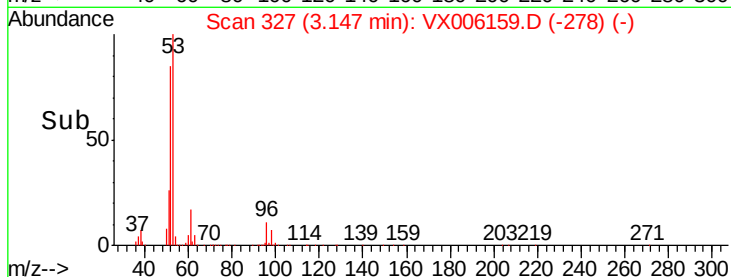
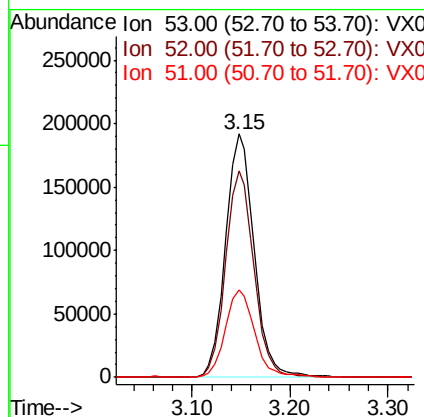
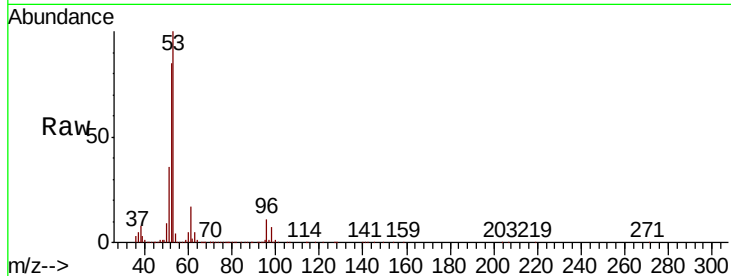
ClientSampleId :

MMTW-01MS

Tot Ion:	53	Resp:	388316
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.4	99.6
51	37.0	29.4	44.0

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#16

Acetone

Concen: 245.215 ug/l

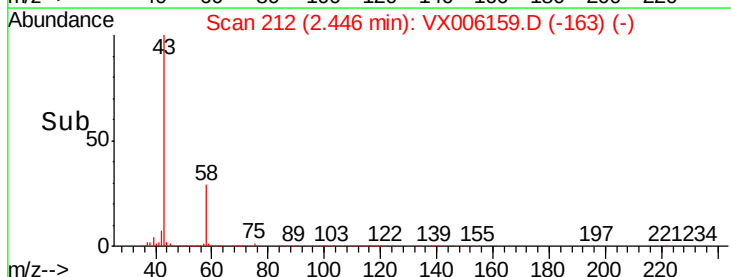
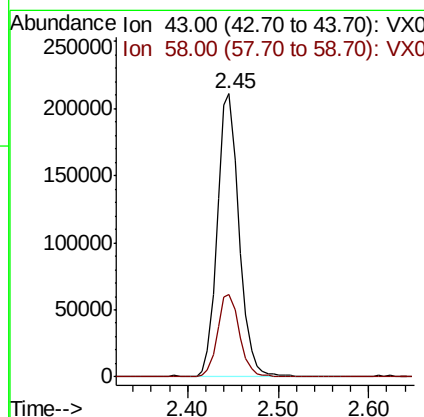
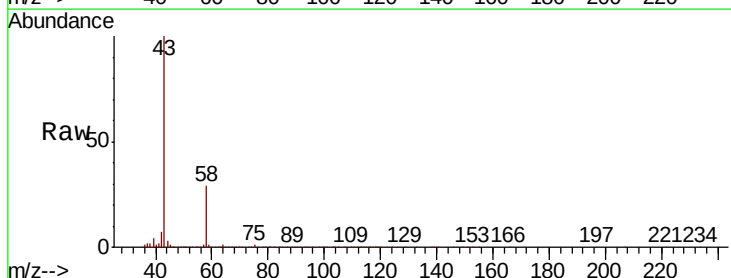
RT: 2.45 min Scan# 212

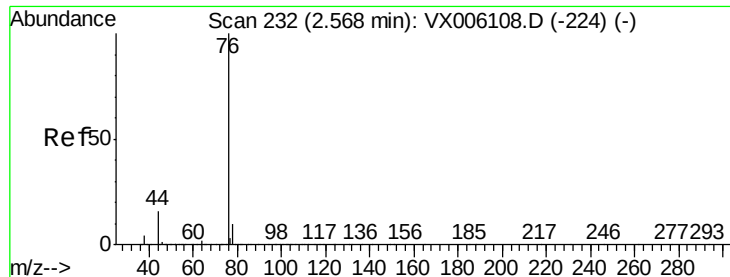
Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Tgt Ion:	43	Resp:	353819
Ion Ratio	Lower	Upper	
43	100		
58	29.0	23.8	35.8





#17

Carbon Disulfide

Concen: 57.280 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MS

Tot Ion: 76 Resp: 313388

Ion Ratio Lower Upper

76 100

78 8.8

7.7

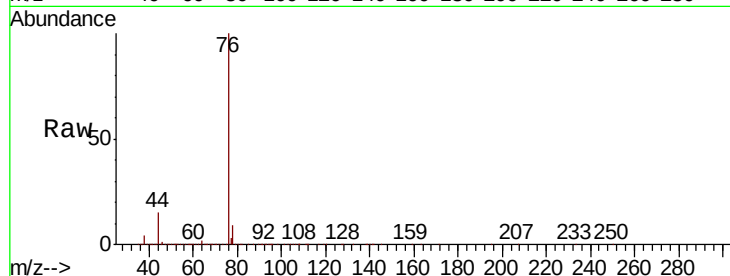
11.5

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

200000

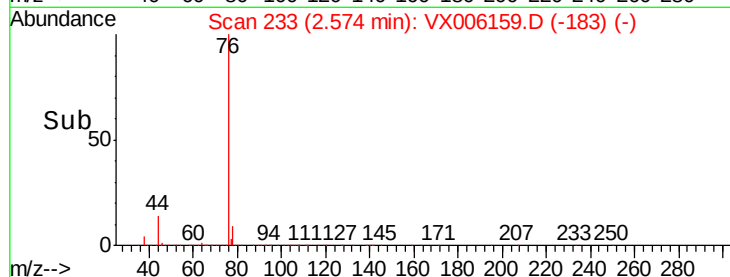
150000

100000

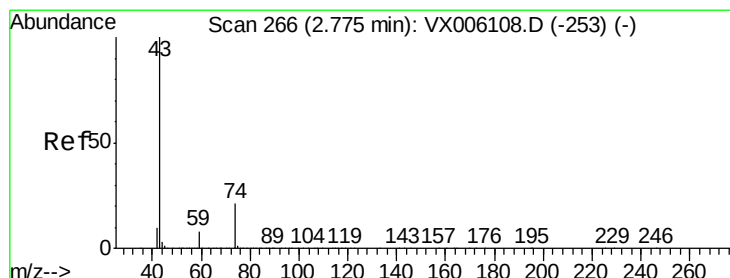
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 47.868 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Tgt Ion: 43 Resp: 177121

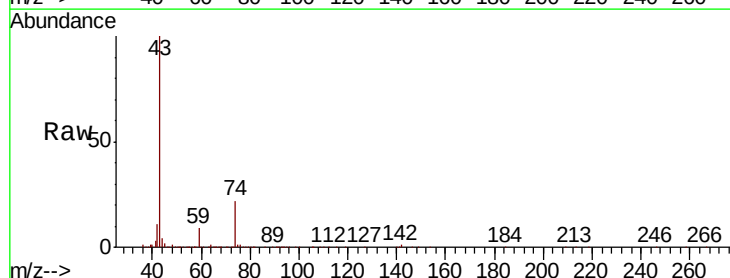
Ion Ratio Lower Upper

43 100

74 21.6

17.3

25.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

120000

100000

80000

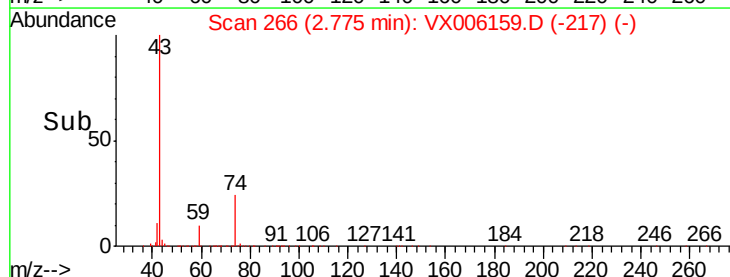
60000

40000

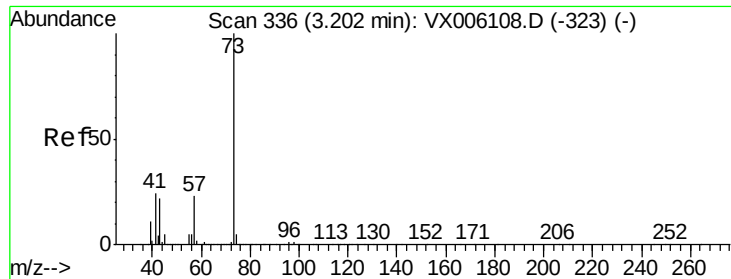
20000

0

Time-->



Time-->



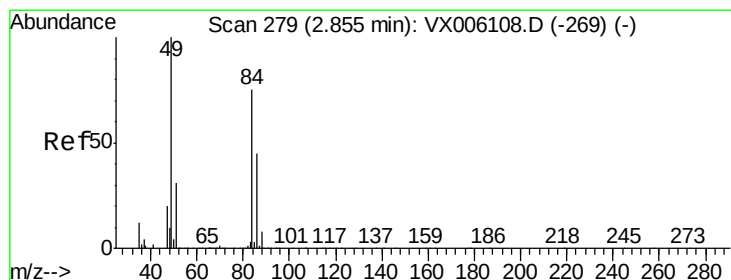
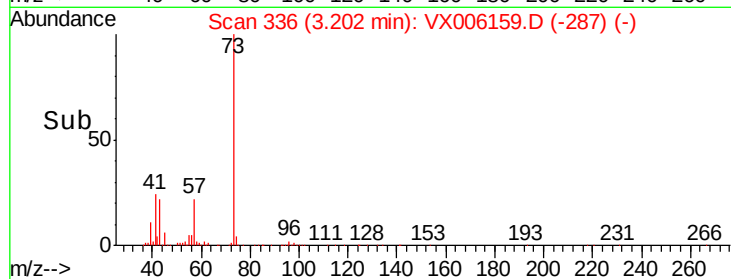
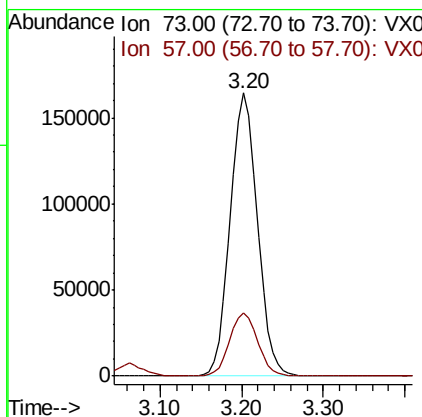
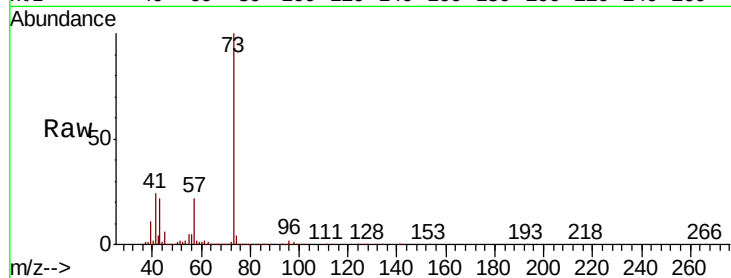
#19
Methyl tert-butyl Ether
Concen: 54.178 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.2	27.4

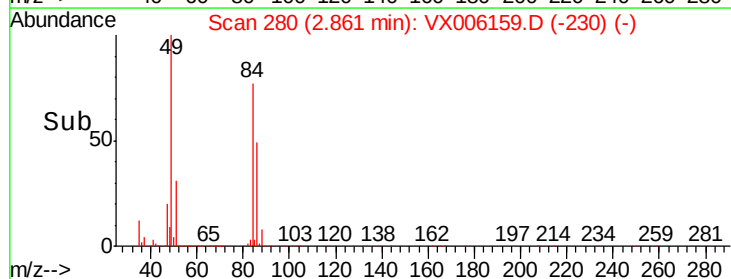
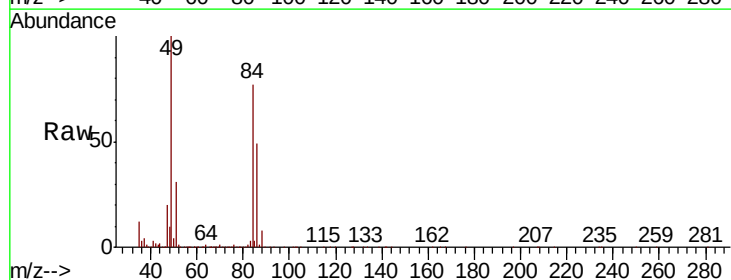
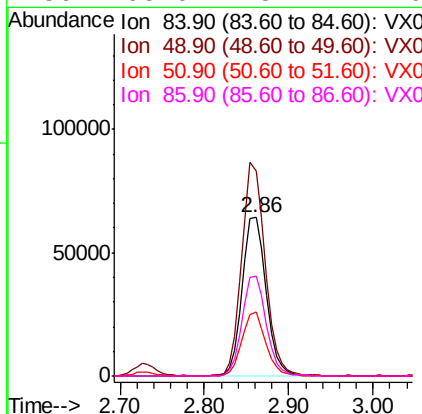
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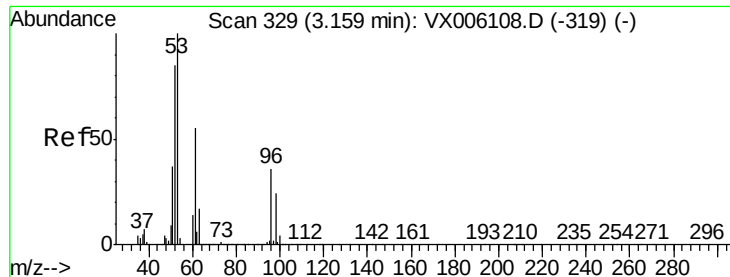
MMDadoda
11/26/2018 9:49:20 AM



#20
Methylene Chloride
Concen: 56.179 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.3	106.6	159.8
51	40.4	32.6	49.0
86	63.0	48.4	72.6





#21

trans-1,2-Dichloroethene

Concen: 53.567 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

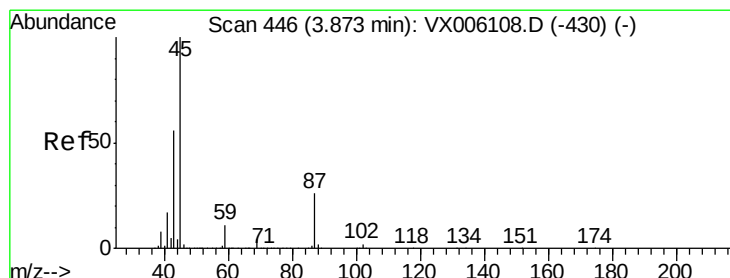
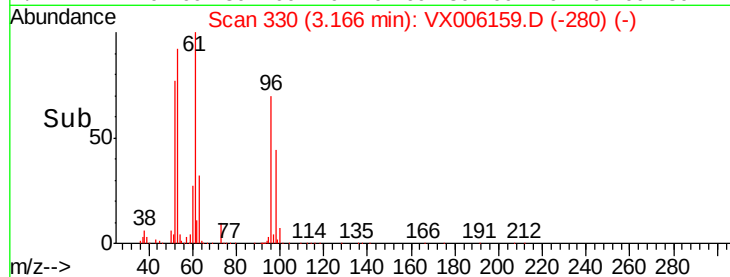
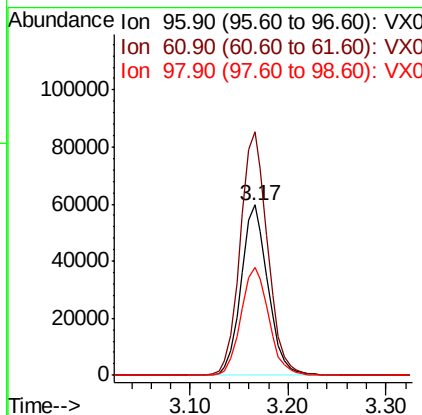
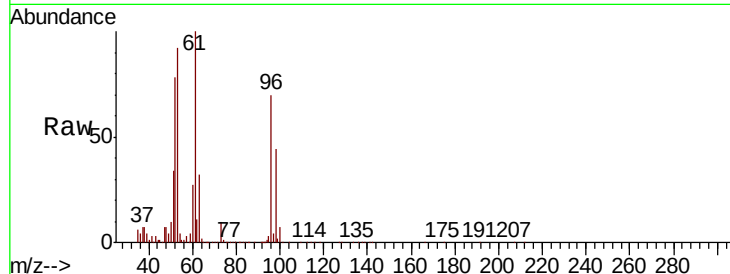
ClientSampleId :

MMTW-01MS

Tot Ion:	96	Resp:	113563
Ion	Ratio	Lower	Upper
96	100		
61	143.1	122.0	183.0
98	63.1	52.7	79.1

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#22

Diisopropyl ether

Concen: 49.633 ug/l

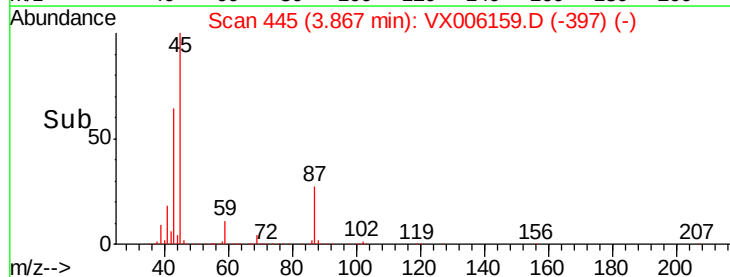
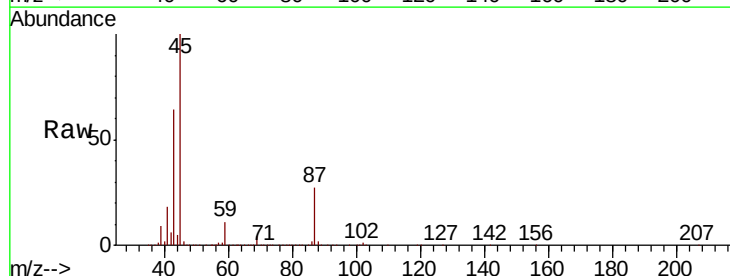
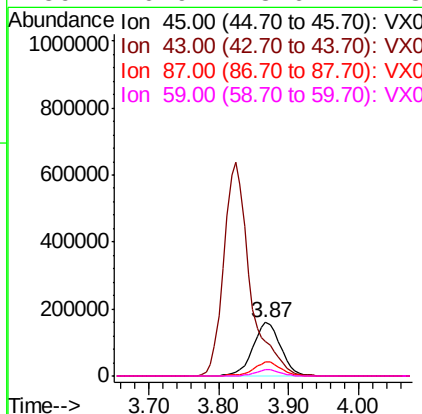
RT: 3.87 min Scan# 445

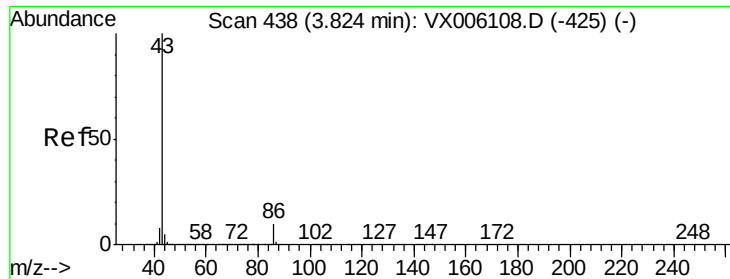
Delta R.T. -0.01 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Tgt Ion:	45	Resp:	440462
Ion	Ratio	Lower	Upper
45	100		
43	64.1	45.8	68.8
87	26.6	21.0	31.4
59	10.9	8.6	12.8





#23

Vinyl Acetate

Concen: 226.961 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MS

Tot Ion: 43 Resp: 1670976

Ion Ratio Lower Upper

43 100

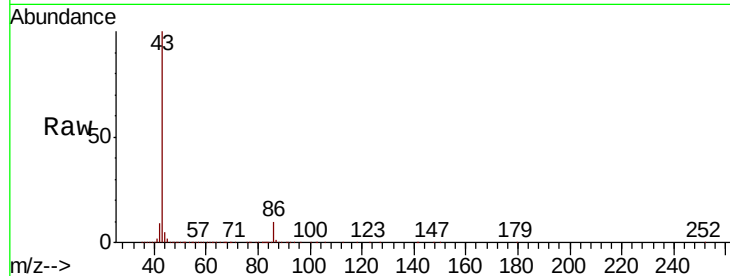
86 9.6 7.6 11.4

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

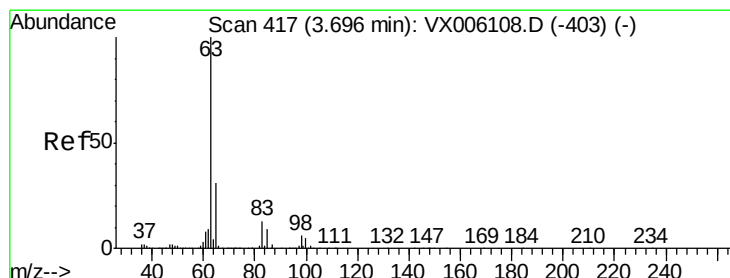
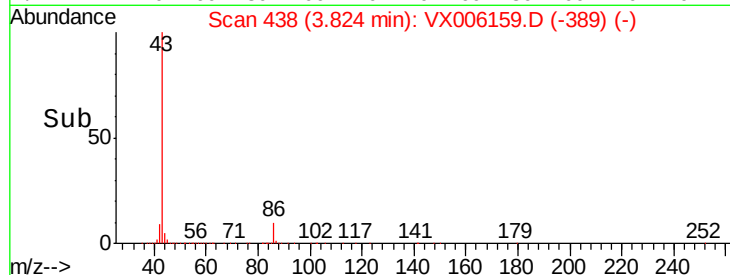
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.019 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

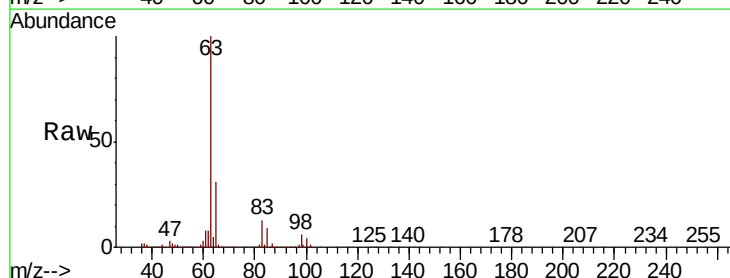
Tgt Ion: 63 Resp: 221662

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

100 4.0 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

120000

100000

80000

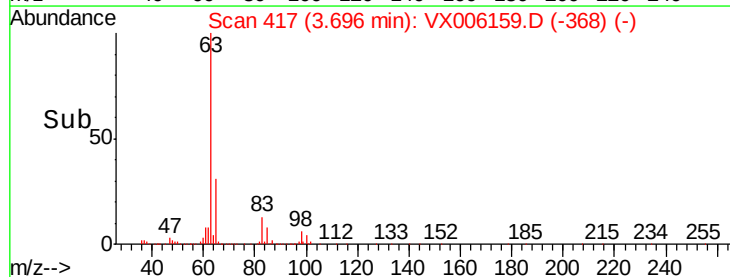
60000

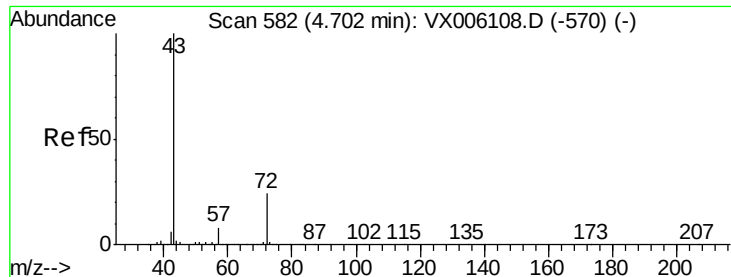
40000

20000

0

Time-->





#25

2-Butanone

Concen: 241.955 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MS

Tot Ion: 43 Resp: 648006

Ion Ratio Lower Upper

43 100

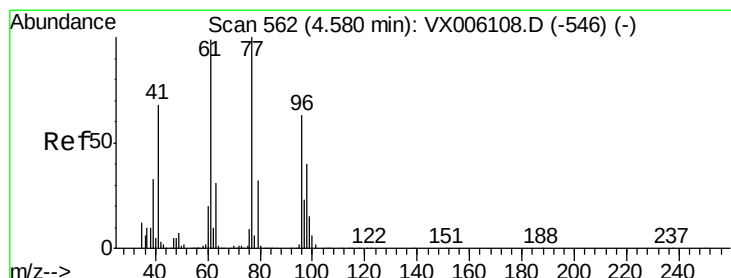
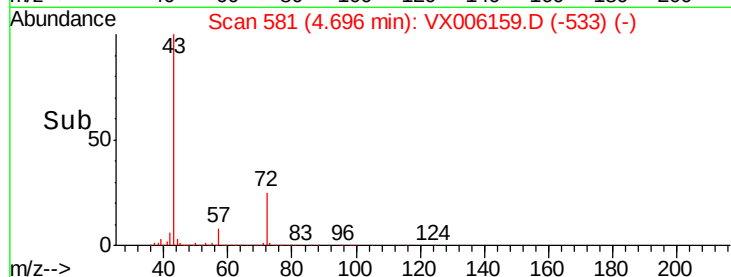
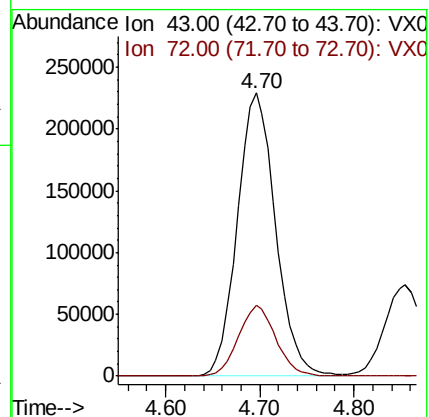
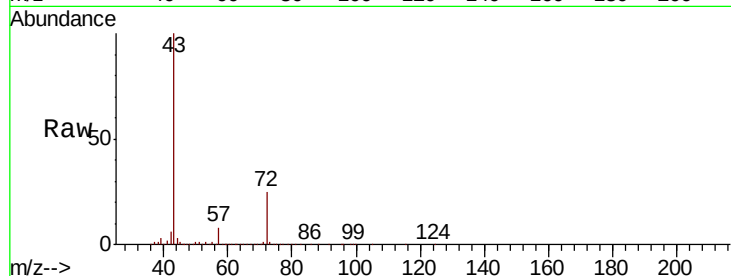
72 25.2 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 38.305 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX006159.D

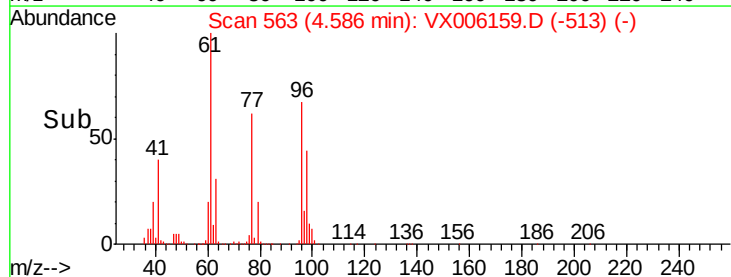
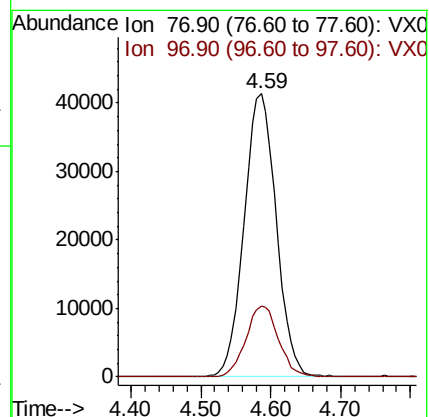
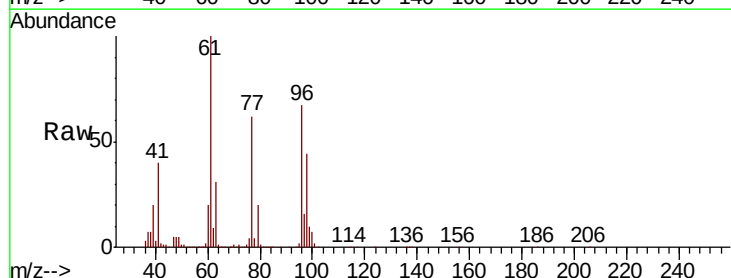
Acq: 22 Nov 2018 08:02

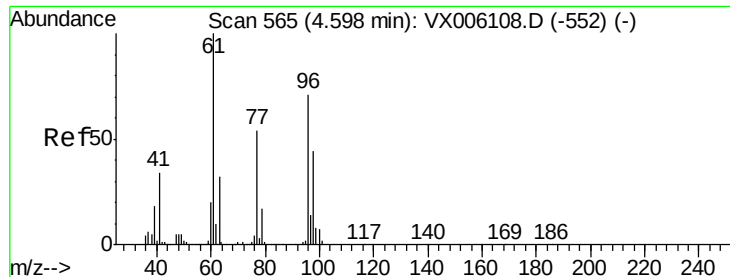
Tgt Ion: 77 Resp: 131993

Ion Ratio Lower Upper

77 100

97 25.4 11.9 35.5





#27

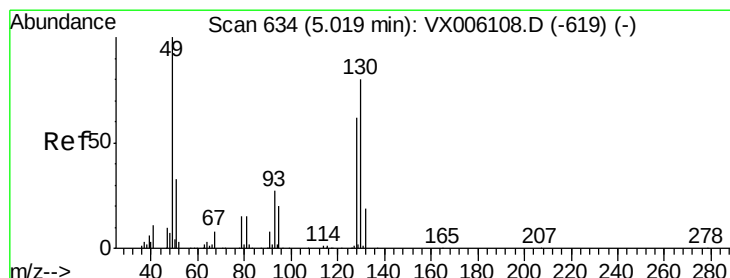
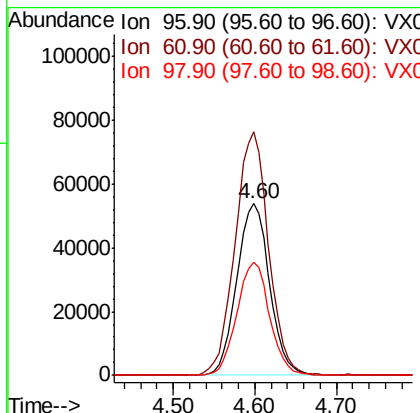
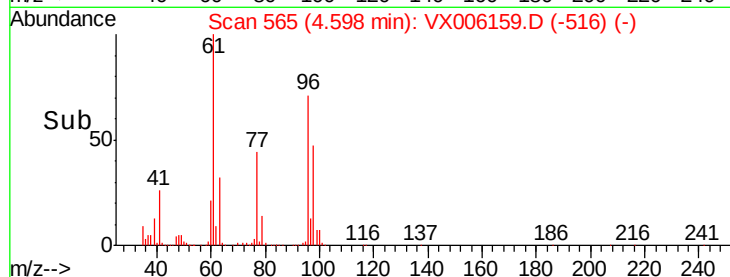
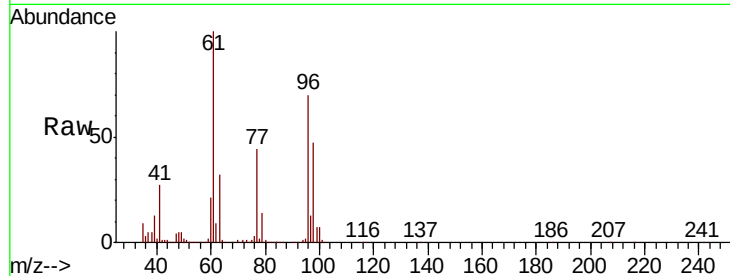
cis-1,2-Dichloroethene
Concen: 50.854 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	150684		
61	143.8	0.0	291.6	
98	65.9	0.0	128.2	

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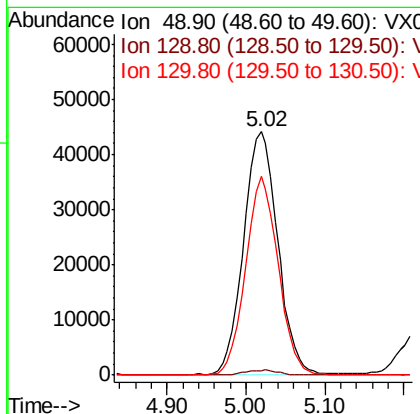
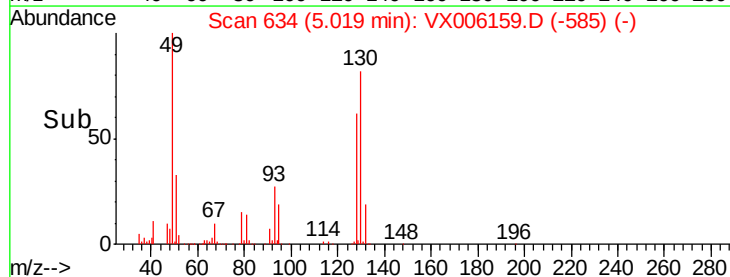
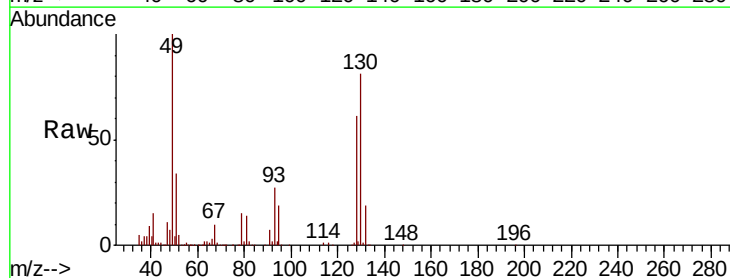
MMDadoda
11/26/2018 9:49:20 AM

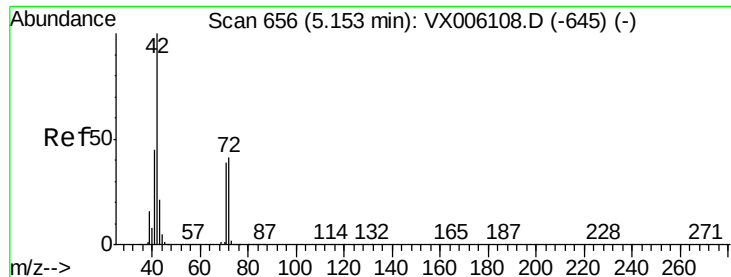


#28

Bromochloromethane
Concen: 54.968 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	133940		
129	2.2	0.0	4.4	
130	77.4	61.6	92.4	





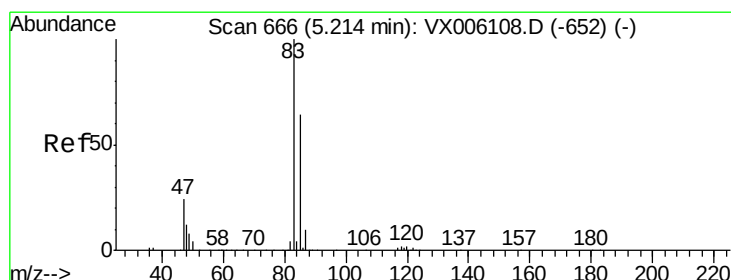
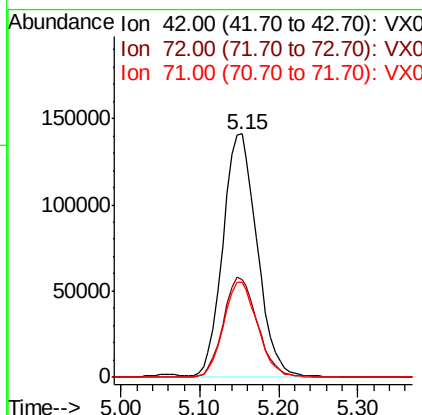
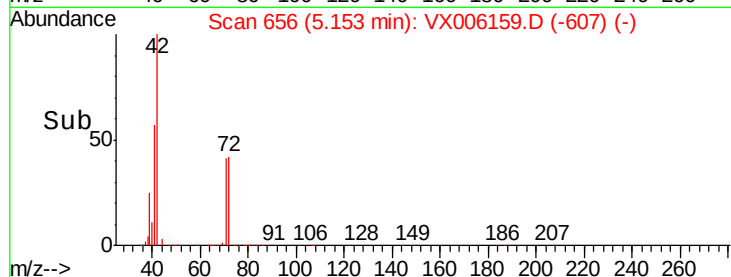
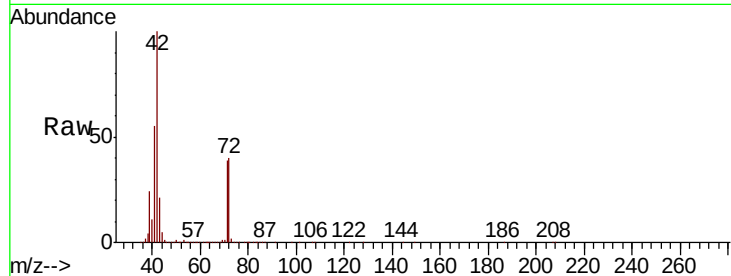
#29
Tetrahydrofuran
Concen: 254.174 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	33.0	49.6
71	39.0	31.0	46.4

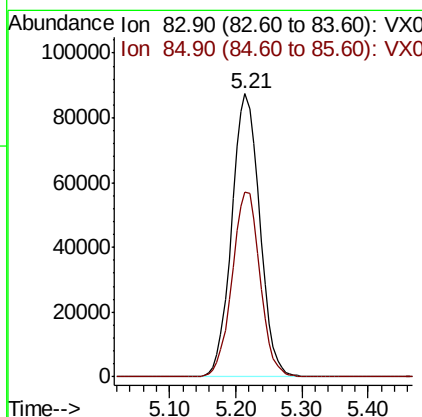
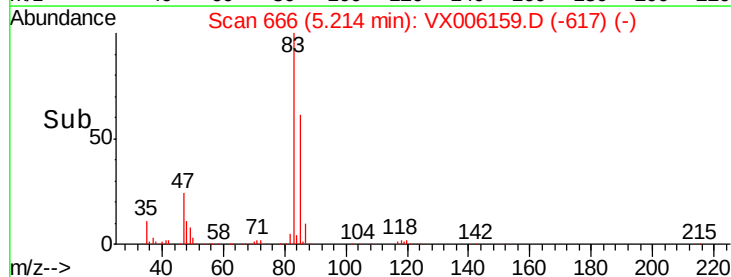
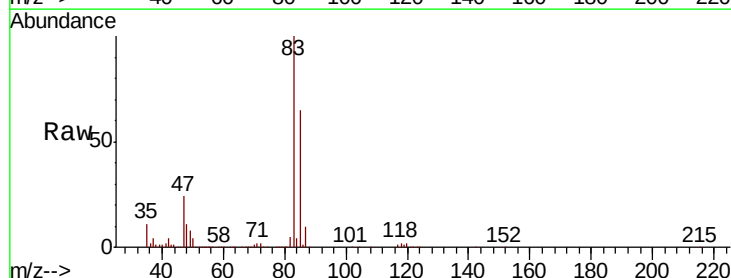
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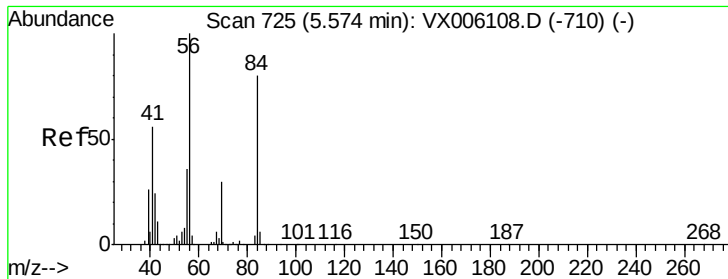
MMDadoda
11/26/2018 9:49:20 AM



#30
Chloroform
Concen: 50.781 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.0	76.4





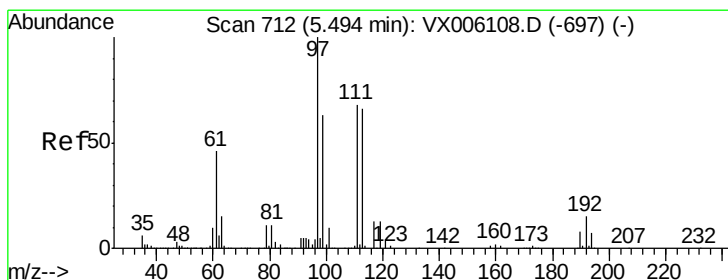
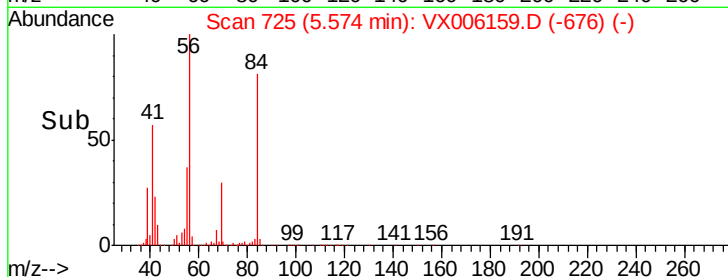
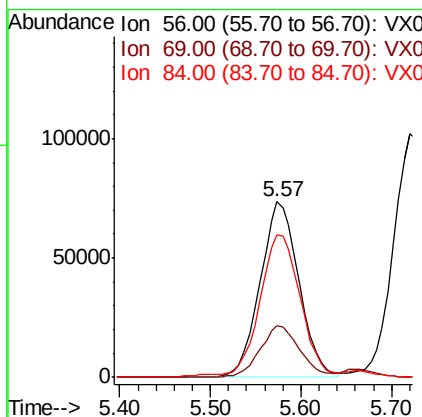
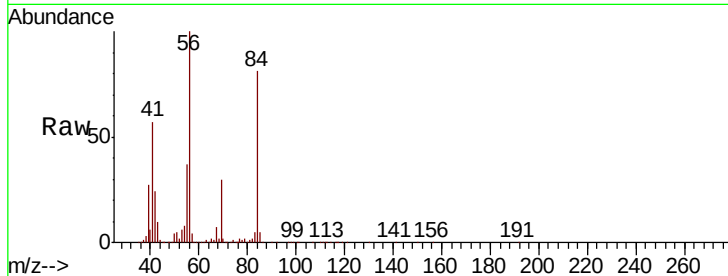
#31
Cyclohexane
Concen: 49.779 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	23.9	35.9
84	79.7	63.6	95.4

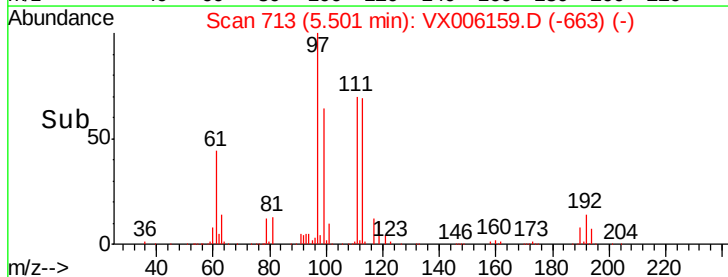
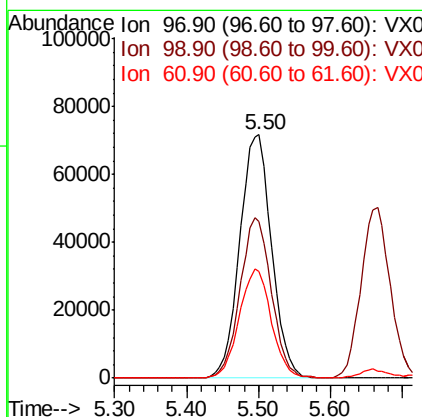
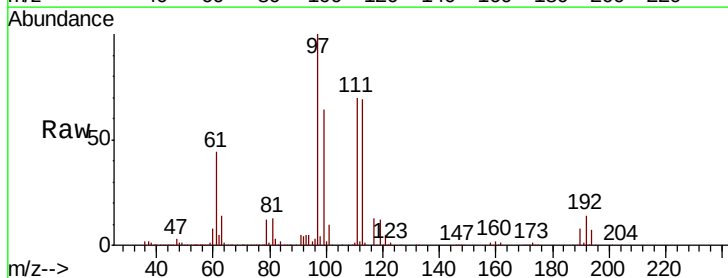
Manual Integrations
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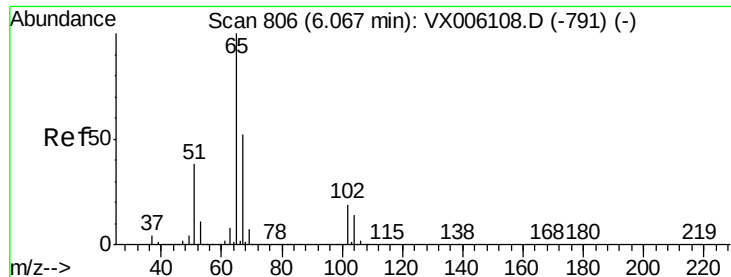
MMDadoda
11/26/2018 9:49:20 AM



#32
1,1,1-Trichloroethane
Concen: 53.911 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.6	77.4
61	45.0	36.6	55.0





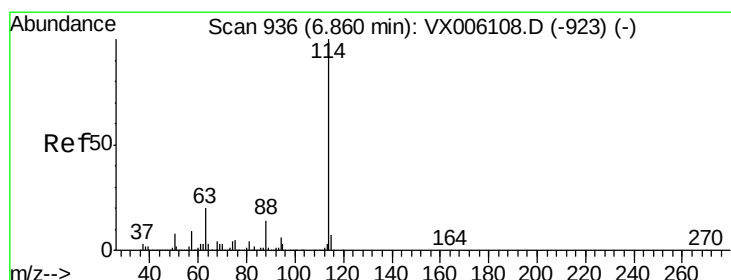
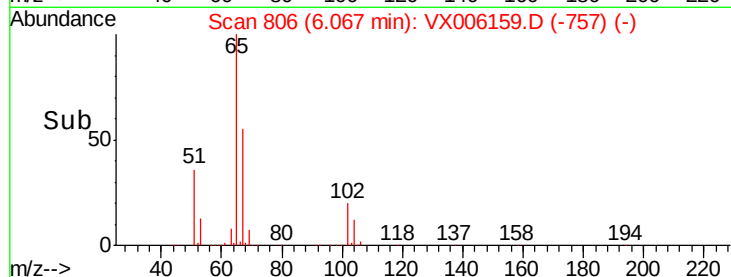
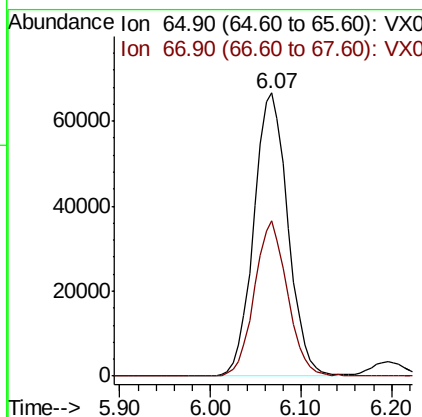
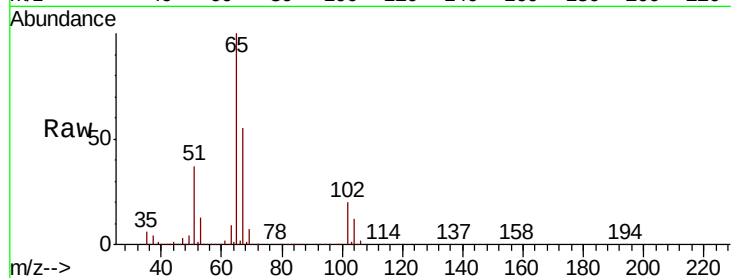
#33
 1,2-Dichloroethane-d4
 Concen: 53.262 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006159.D
 Acq: 22 Nov 2018 08:02

Instrument :
 MSVOA_X
 ClientSampleId :
 MMTW-01MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	105.8

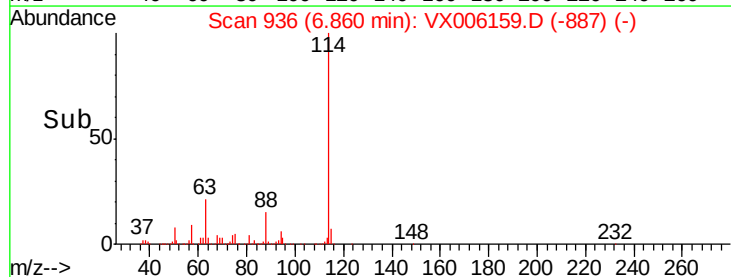
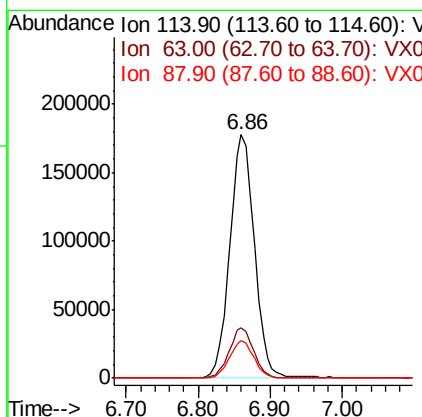
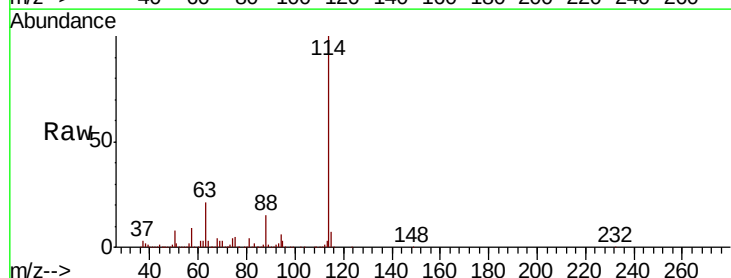
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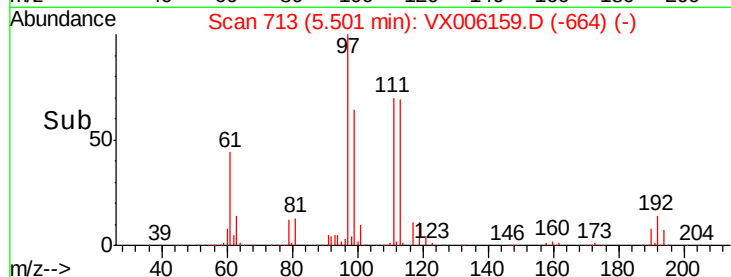
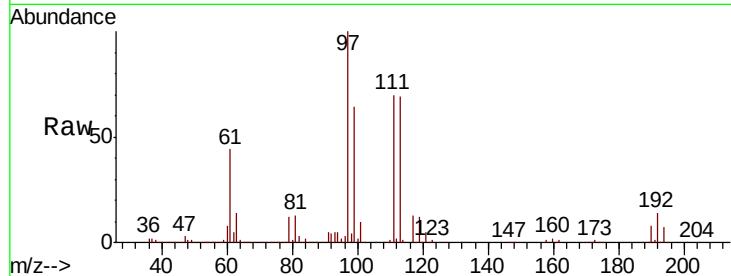
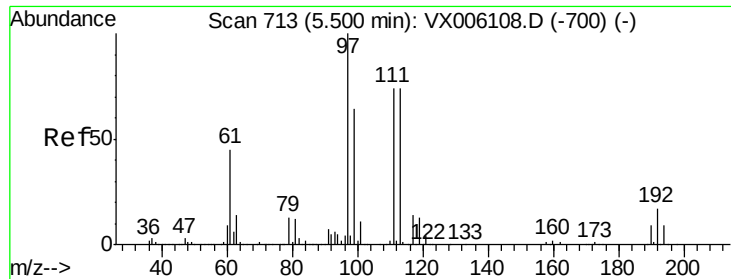
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 11/26/2018 9:49:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006159.D
 Acq: 22 Nov 2018 08:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	39.2
88	15.3	0.0	28.6





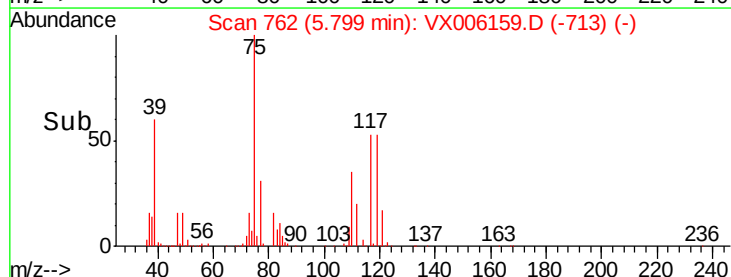
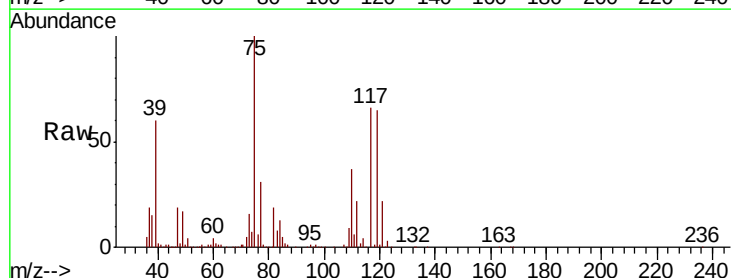
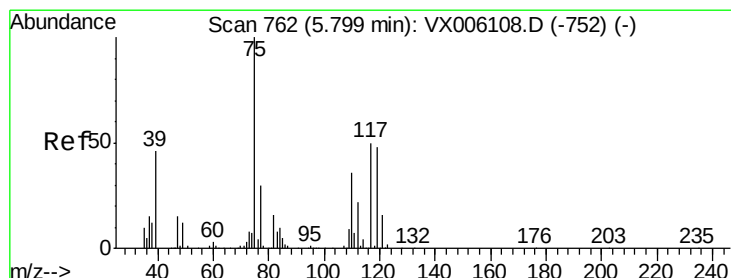
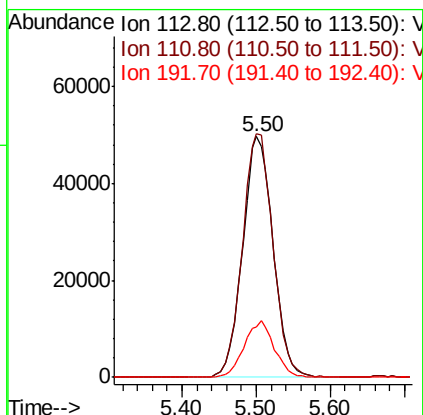
#35
Dibromofluoromethane
Concen: 52.377 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142234		
111	101.7	81.5	122.3	
192	23.1	18.6	28.0	

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MS

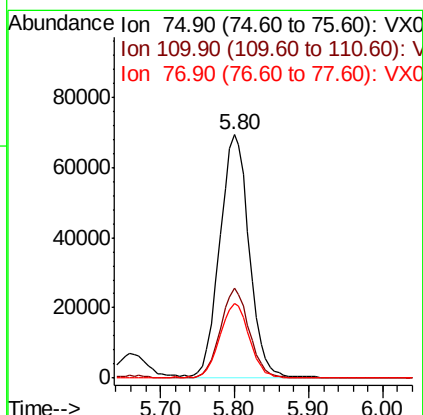
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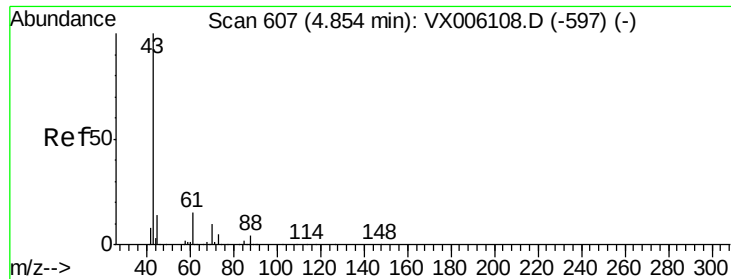
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#36
1,1-Dichloropropene
Concen: 49.188 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	189307		
110	36.1	17.8	53.3	
77	30.1	24.5	36.7	





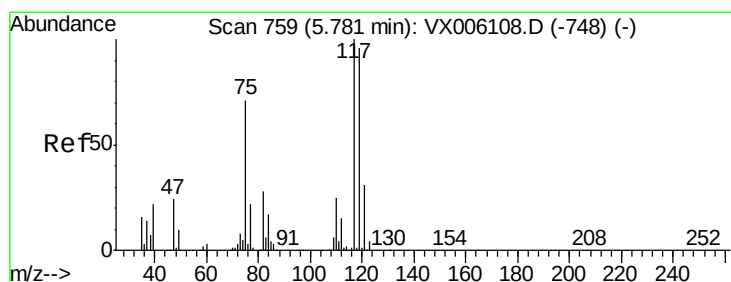
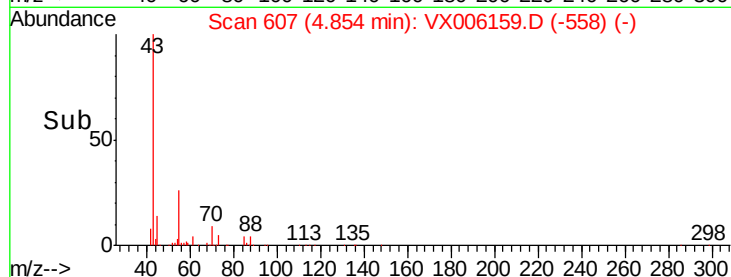
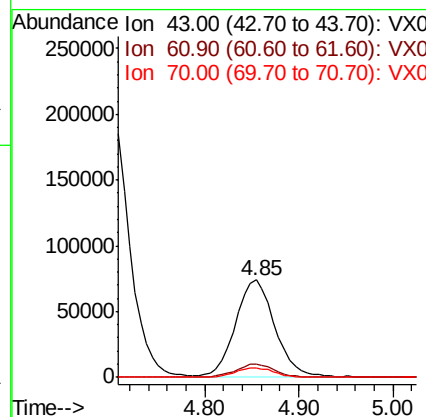
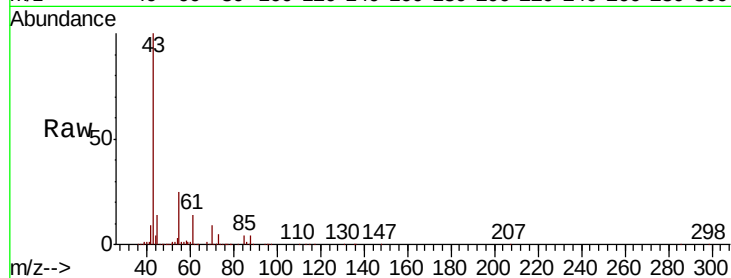
#37
Ethyl Acetate
Concen: 43.266 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.5	7.9	11.9

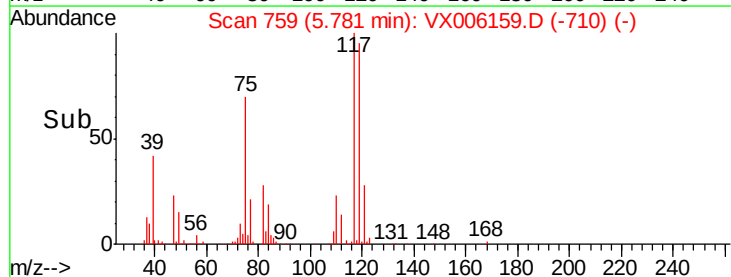
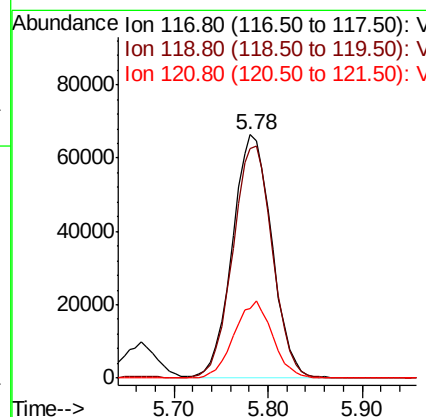
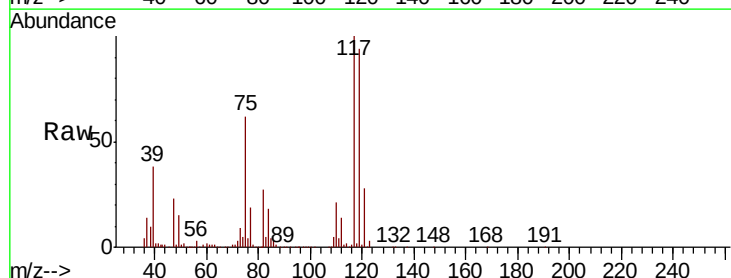
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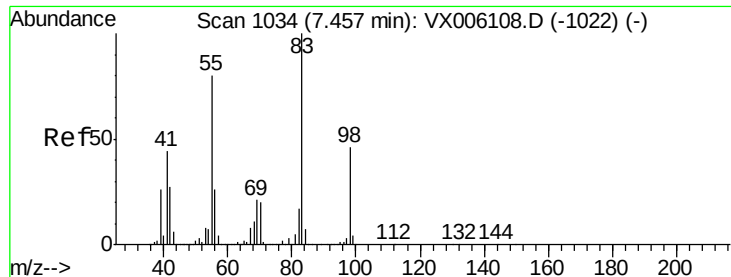
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#38
Carbon Tetrachloride
Concen: 53.391 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	76.3	114.5
121	28.2	24.7	37.1





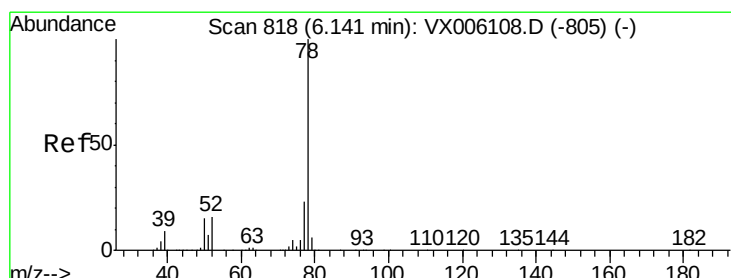
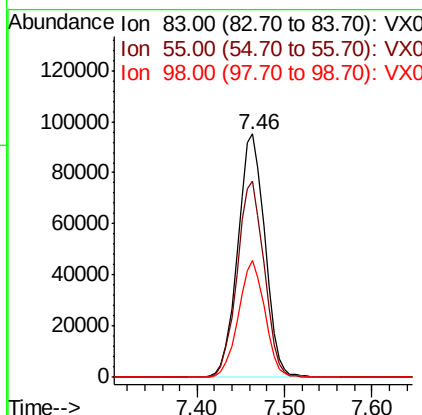
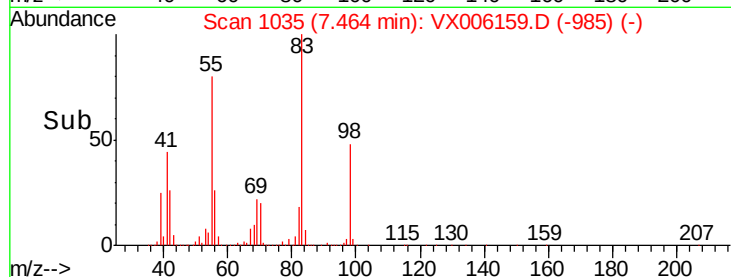
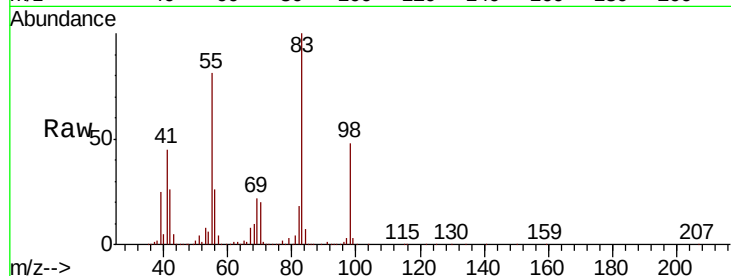
#39
Methylvlcyclohexane
Concen: 46.911 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.5	63.9	95.9
98	48.3	36.8	55.2

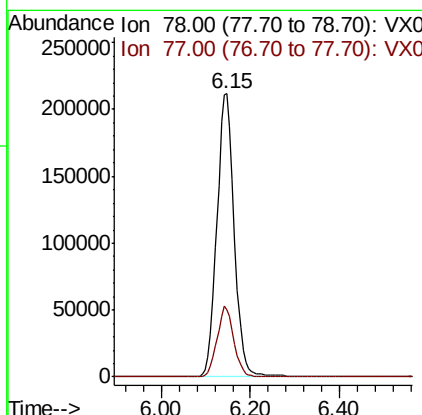
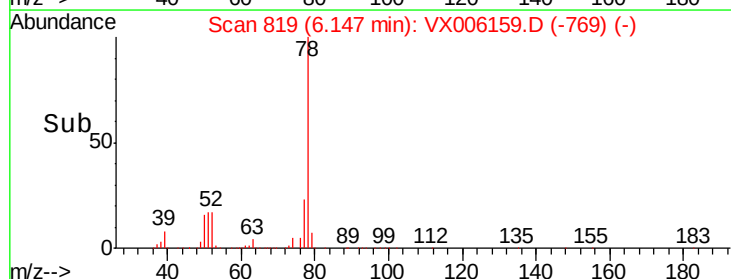
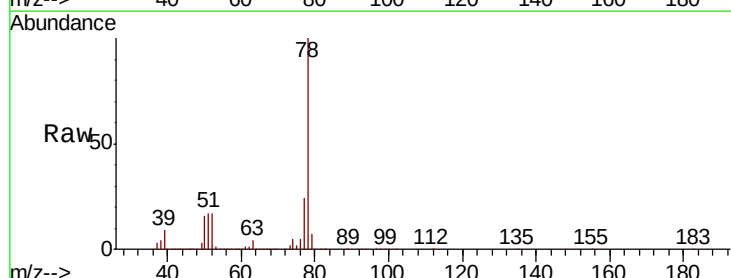
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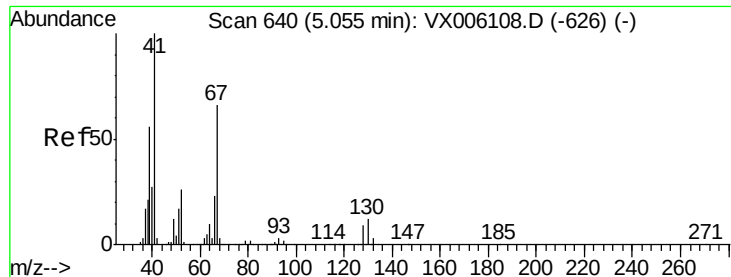
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#40
Benzene
Concen: 50.782 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





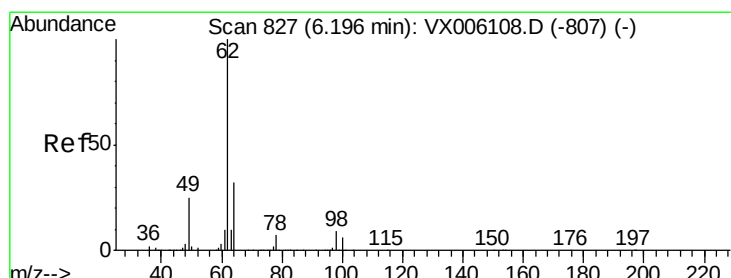
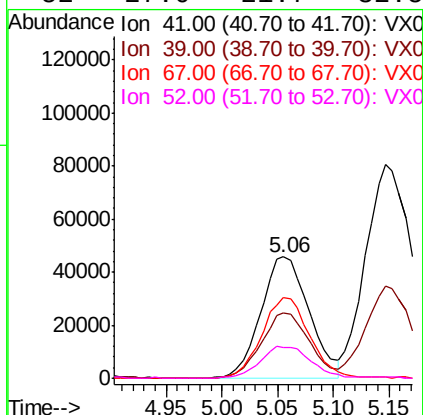
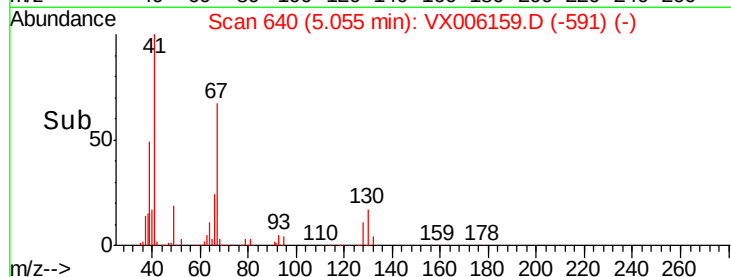
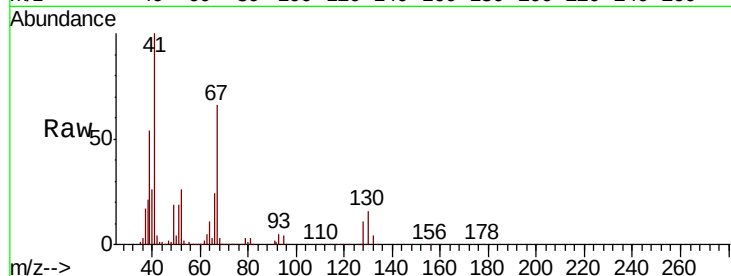
#41
Methacrylonitrile
Concen: 50.519 ug/l
RT: 5.06 min Scan# 640
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		137850		
39	53.8	44.1	66.1		
67	66.5	54.1	81.1		
52	27.0	21.7	32.5		

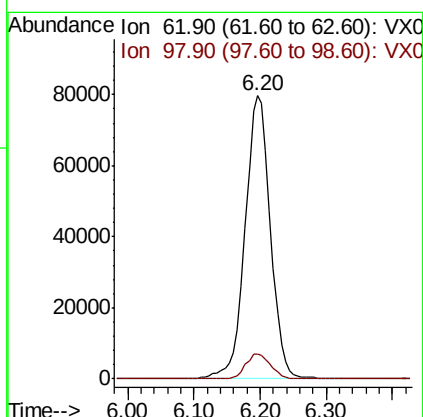
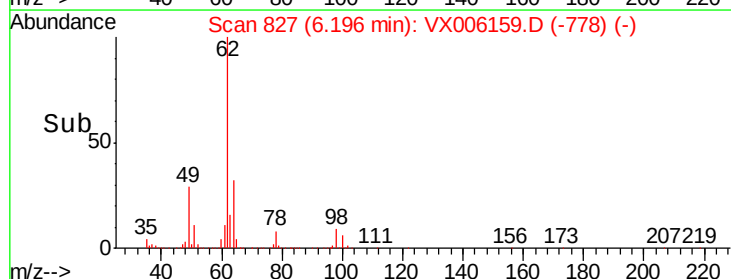
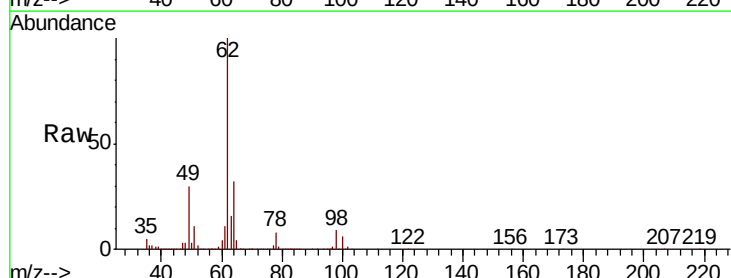
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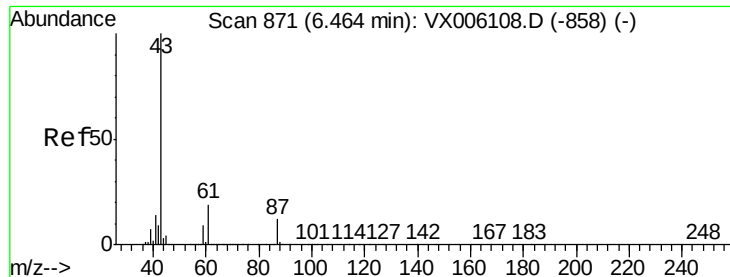
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#42
1,2-Dichloroethane
Concen: 49.721 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		210773		
98	8.7	0.0	17.8		





#43

Isopropyl Acetate

Concen: 48.094 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

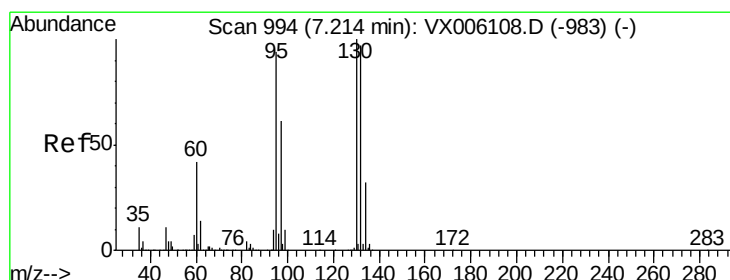
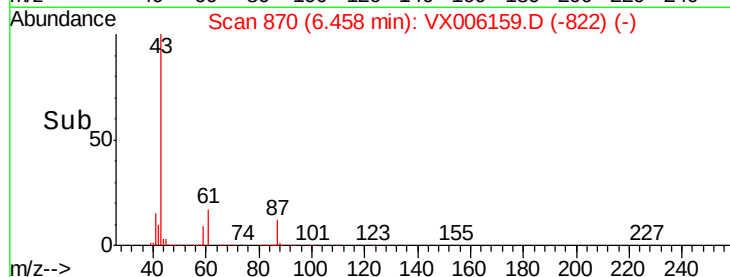
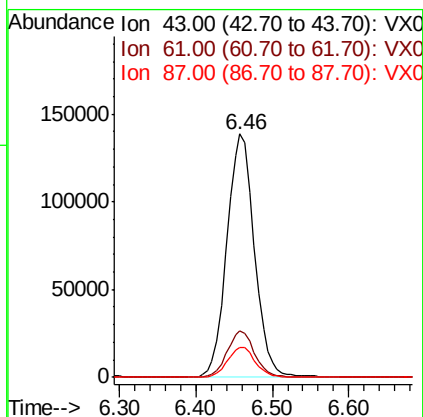
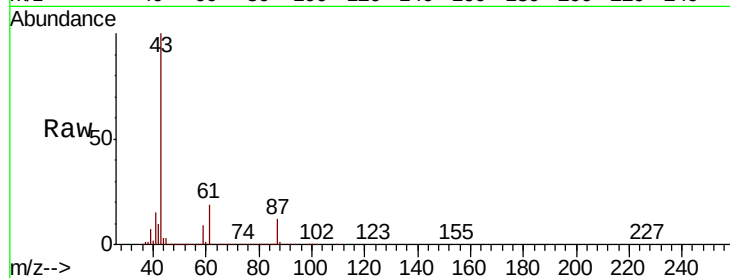
ClientSampleId :

MMTW-01MS

Tot Ion:	43	Resp:	343908
Ion	Ratio	Lower	Upper
43	100		
61	19.0	15.2	22.8
87	12.5	9.6	14.4

Manual Integrations
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#44

Trichloroethene

Concen: 48.652 ug/l

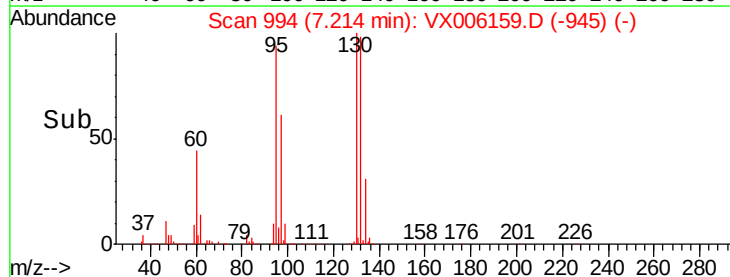
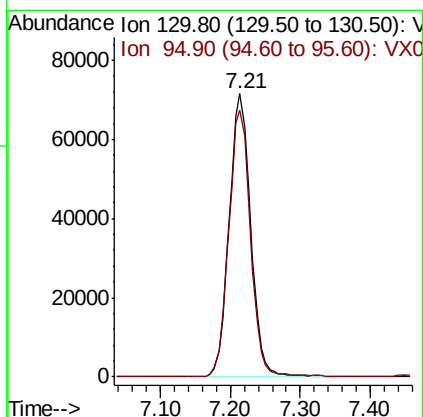
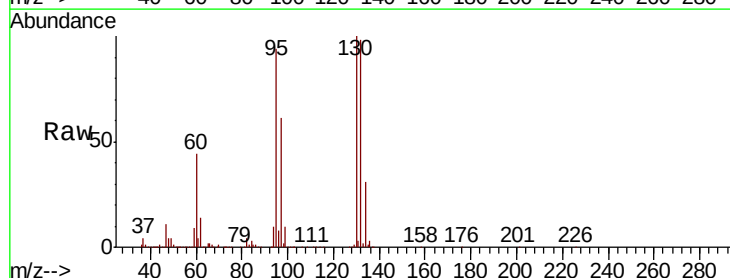
RT: 7.21 min Scan# 994

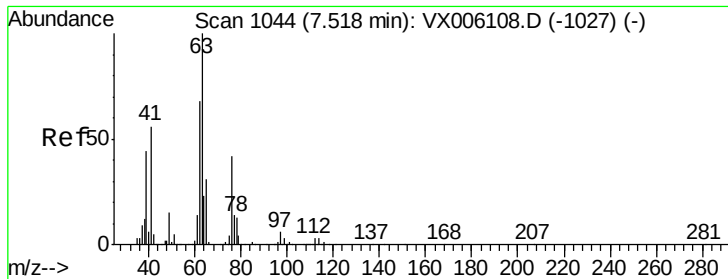
Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Tgt Ion:	130	Resp:	153322
Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	188.8





#45

1,2-Dichloropropane

Concen: 51.690 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MS

Tot Ion: 63 Resp: 155108

Ion Ratio Lower Upper

63 100

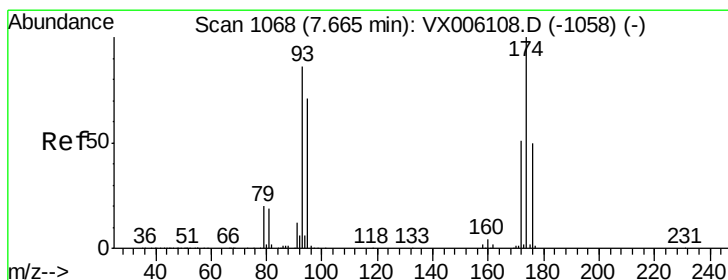
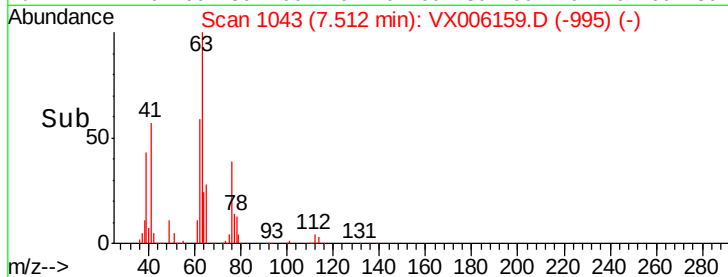
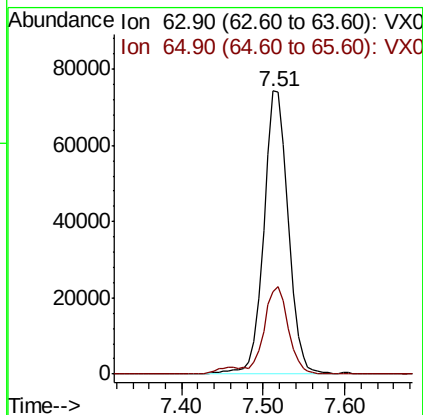
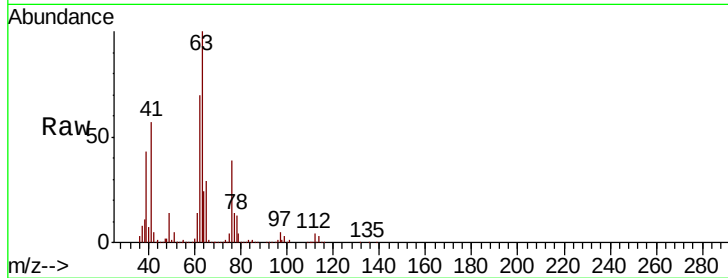
65 29.0 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 50.075 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

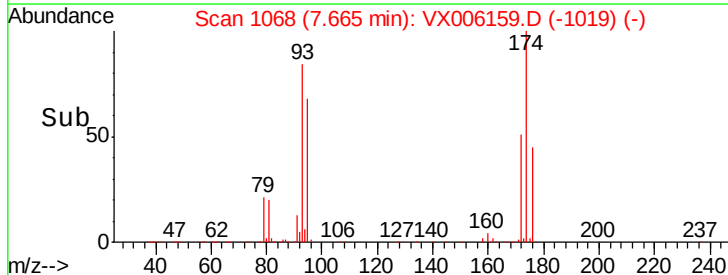
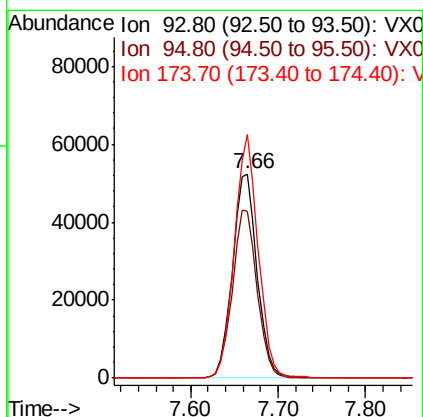
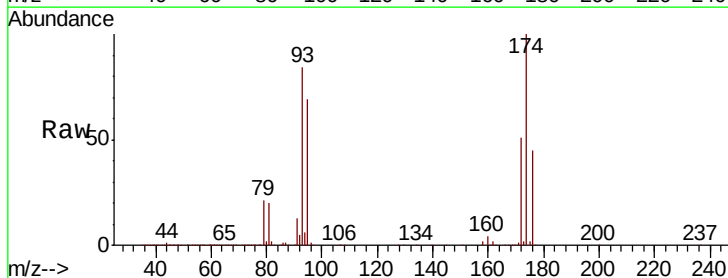
Tgt Ion: 93 Resp: 102906

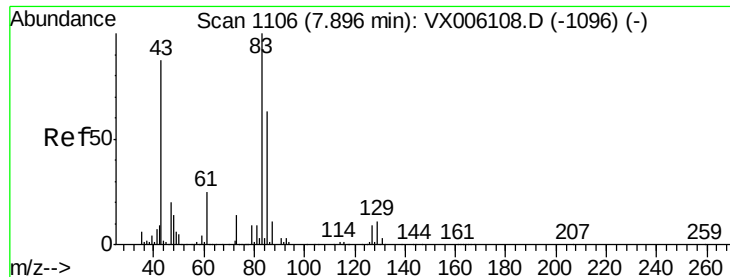
Ion Ratio Lower Upper

93 100

95 83.1 66.3 99.5

174 114.8 91.0 136.6





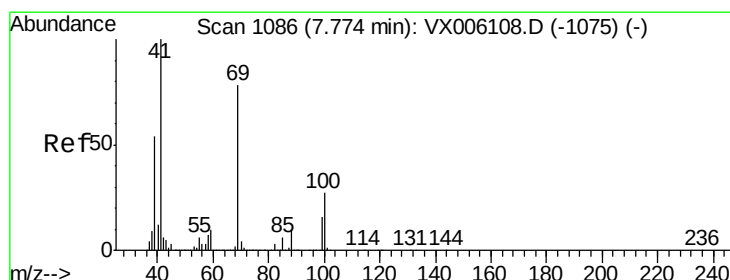
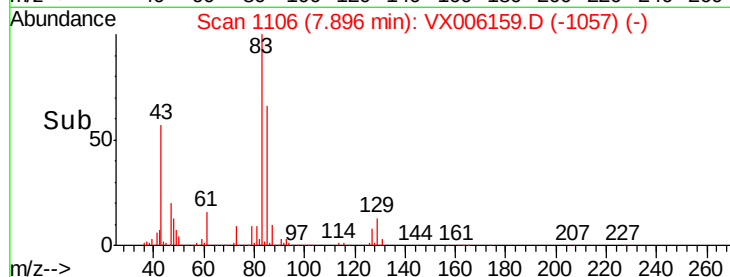
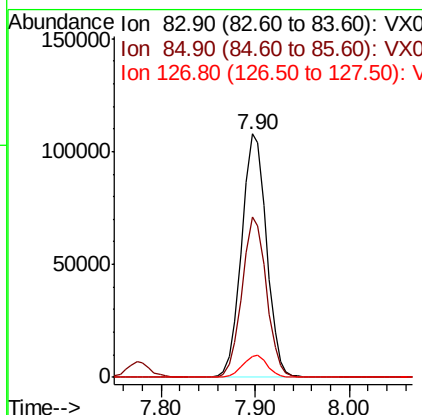
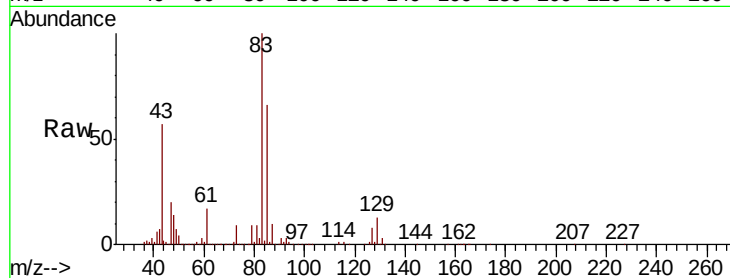
#47
Bromodichloromethane
Concen: 52.170 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	198289		
85	65.6		50.4	75.6
127	8.4		7.0	10.4

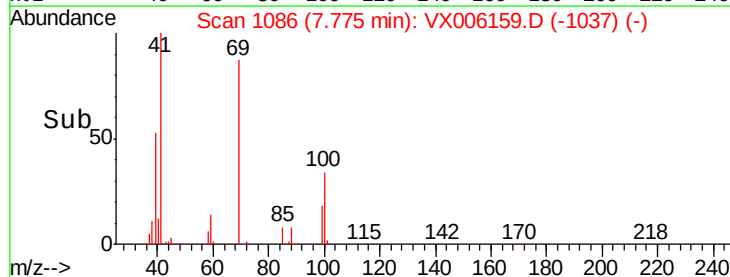
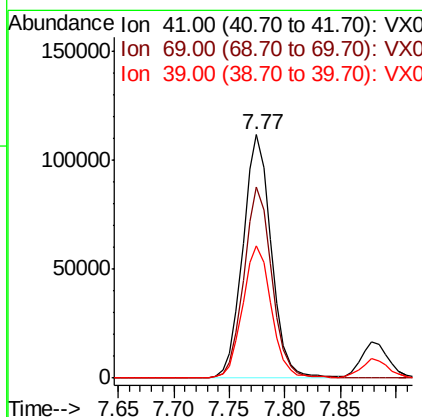
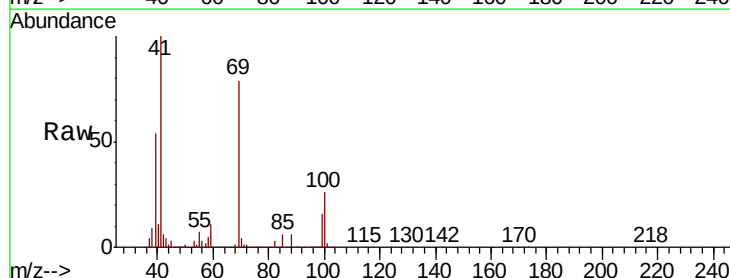
Manual Integrations
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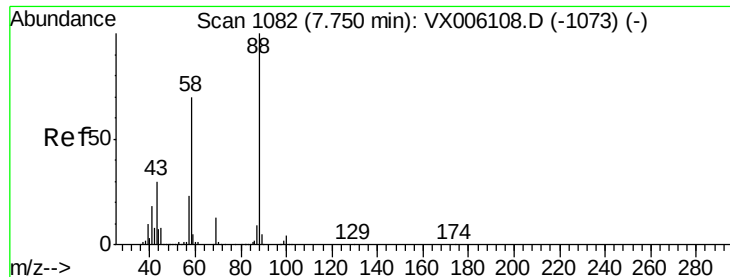
MMDadoda
11/26/2018 9:49:20 AM



#48
Methyl methacrylate
Concen: 54.307 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	196950		
69	77.7		62.8	94.2
39	54.8		43.8	65.6





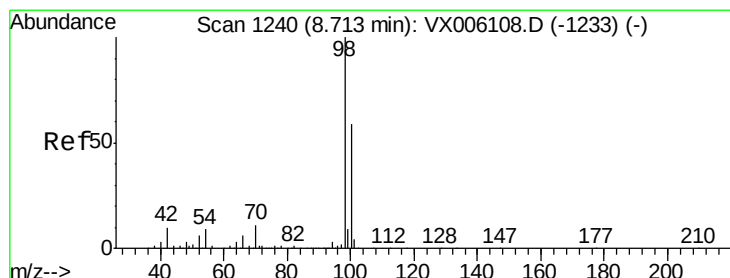
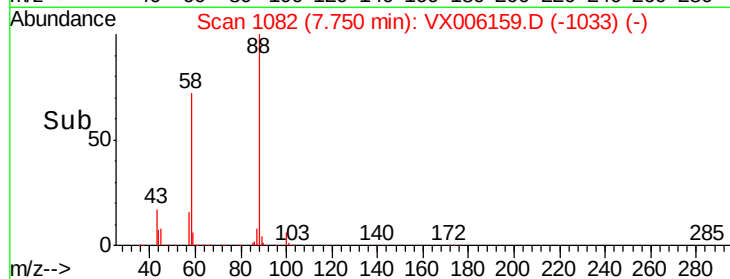
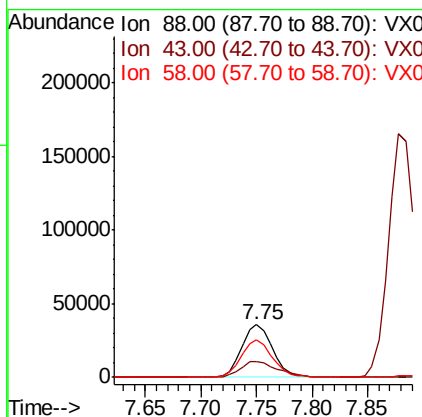
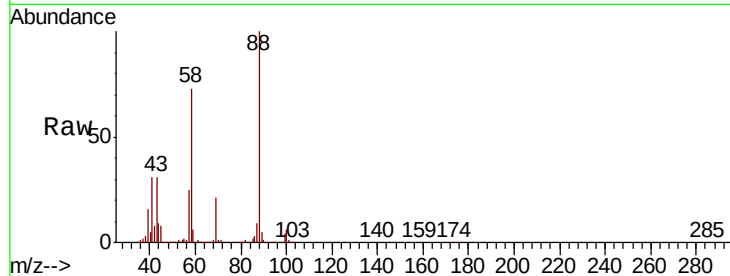
#49
1,4-Dioxane
Concen: 806.789 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	26.7	40.1
58	72.7	58.5	87.7

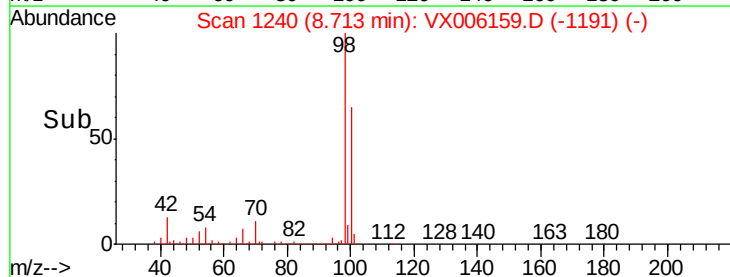
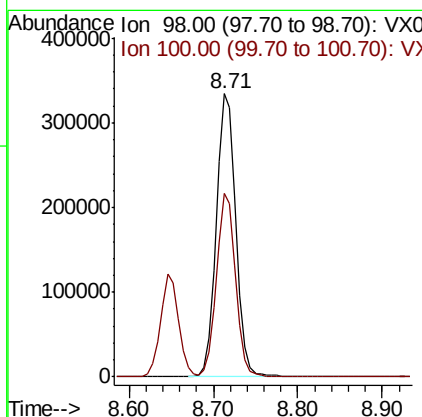
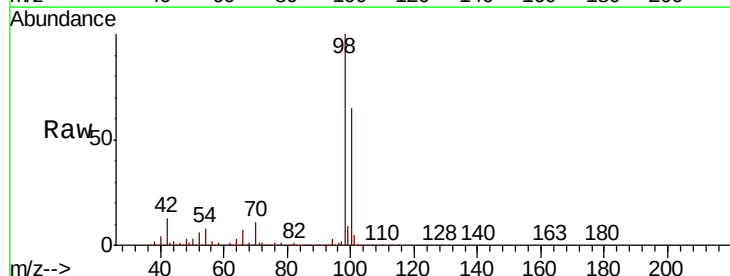
Manual Integrations
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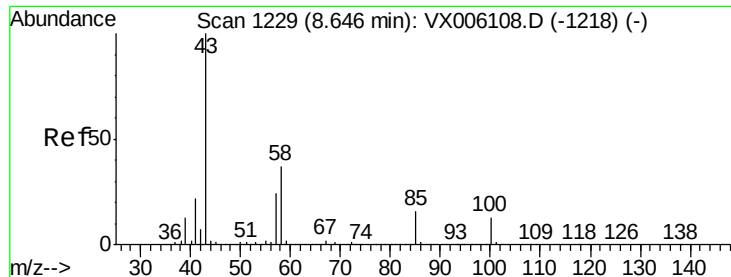
MMDadoda
11/26/2018 9:49:20 AM



#50
Toluene-d8
Concen: 51.655 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 254.130 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MS

Tot Ion: 43 Resp: 1302760

Ion Ratio Lower Upper

43 100

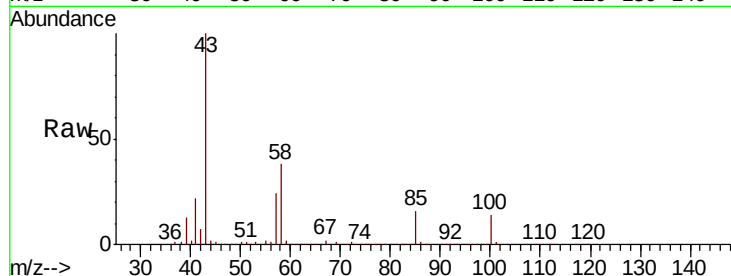
58 37.4 29.9 44.9

Manual Integrations

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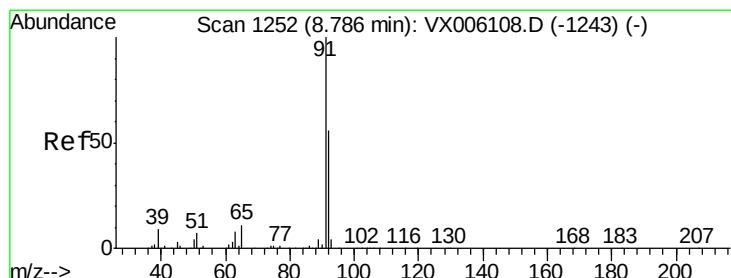
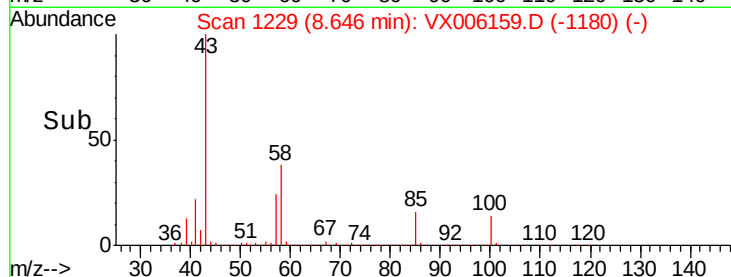
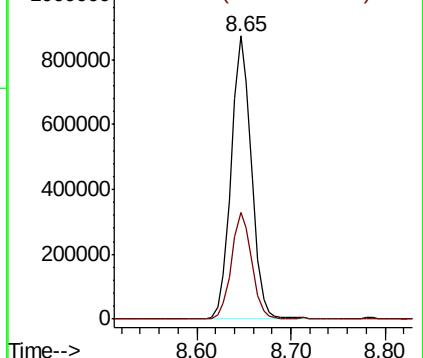
MMDadoda

11/26/2018 9:49:20 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 51.858 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006159.D

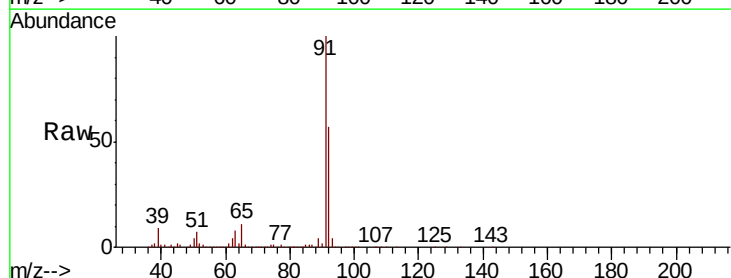
Acq: 22 Nov 2018 08:02

Tgt Ion: 92 Resp: 363694

Ion Ratio Lower Upper

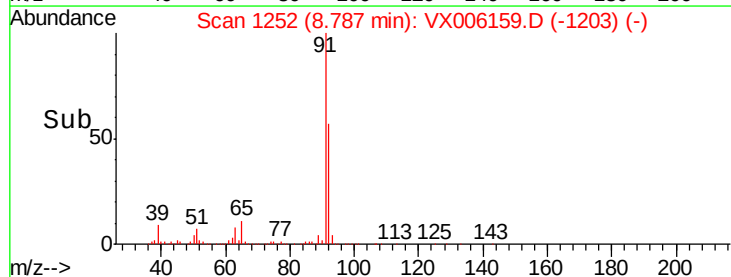
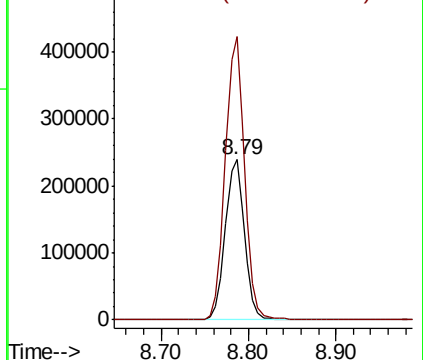
92 100

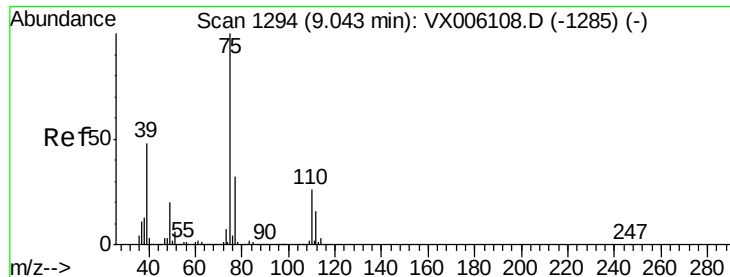
91 176.9 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#53

t-1,3-Dichloropropene

Concen: 50.867 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MS

Tot Ion: 75 Resp: 201752

Ion Ratio Lower Upper

75 100

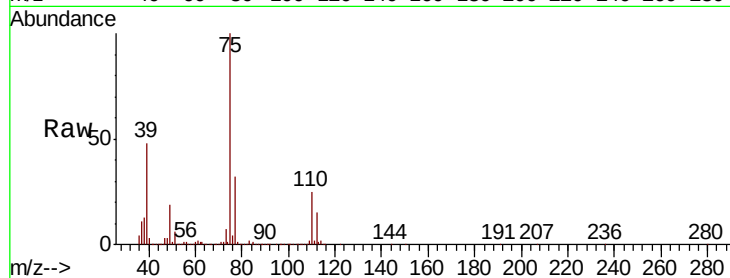
77 31.5 25.7 38.5

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

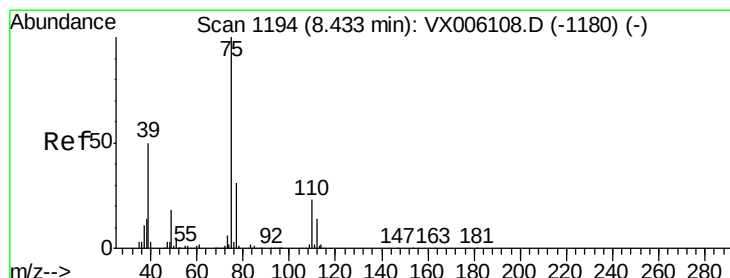
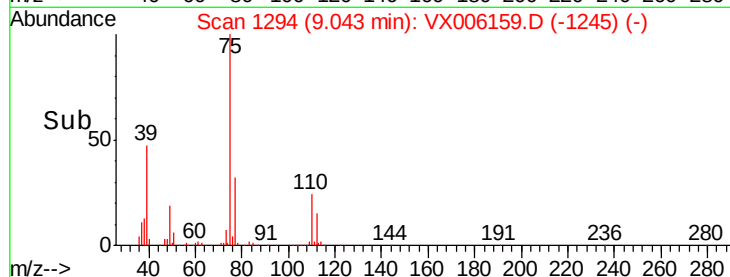
100000

50000

0

9.00 9.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.906 ug/l

RT: 8.44 min Scan# 1195

Delta R.T. 0.01 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

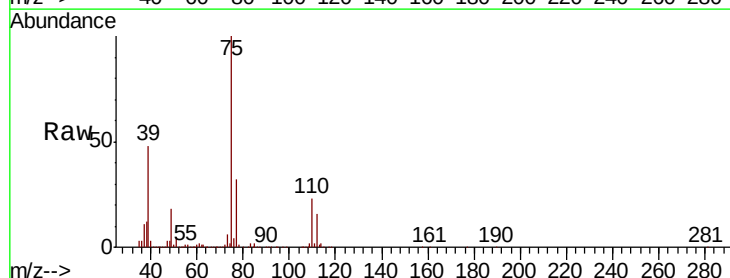
Tgt Ion: 75 Resp: 214431

Ion Ratio Lower Upper

75 100

77 31.8 24.7 37.1

39 48.1 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

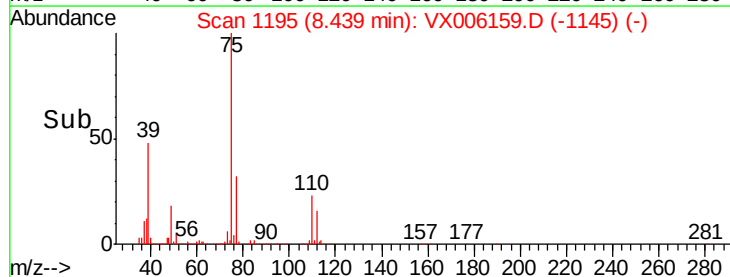
100000

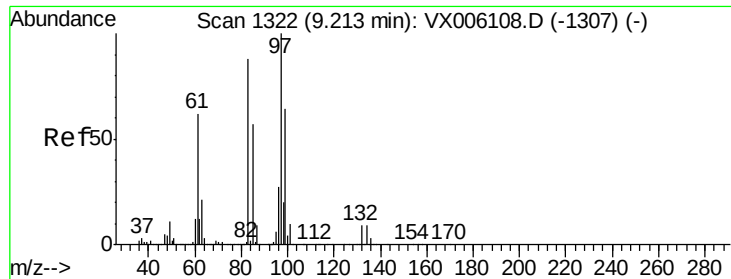
50000

0

8.30 8.40 8.50

Time-->





#55

1,1,2-Trichloroethane

Concen: 50.340 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

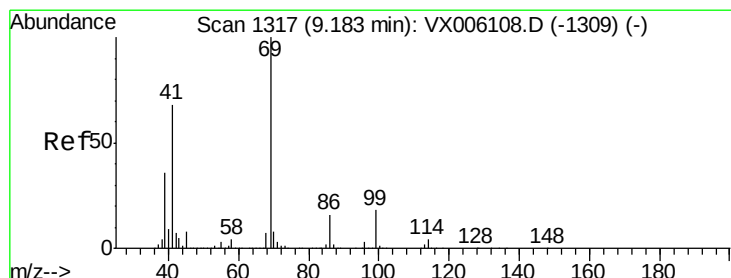
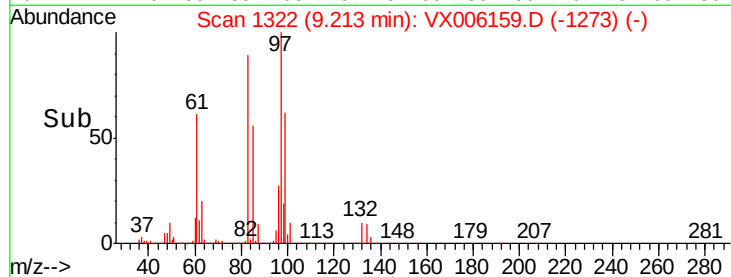
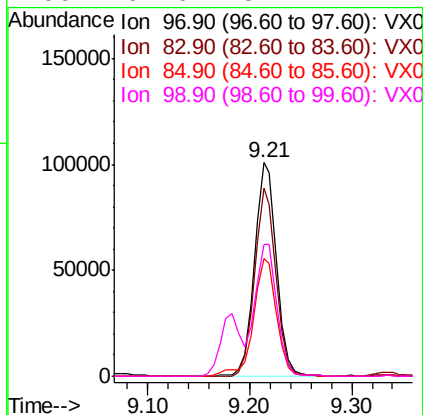
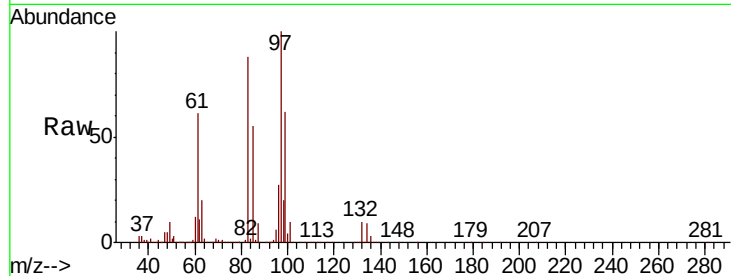
ClientSampleId :

MMTW-01MS

Tot Ion:	97	Resp:	152902
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.7	106.1
85	55.4	45.7	68.5
99	61.6	51.4	77.2

Manual Integrations
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MMDadoda
11/26/2018 9:49:20 AM



#56

Ethyl methacrylate

Concen: 48.788 ug/l

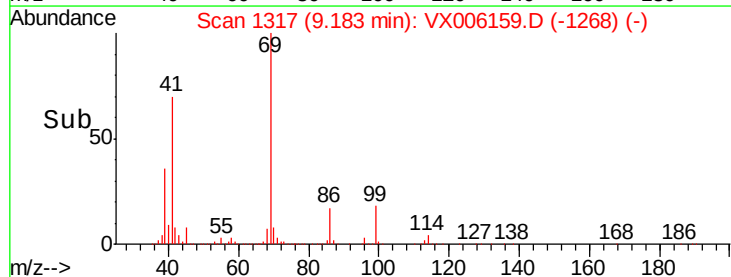
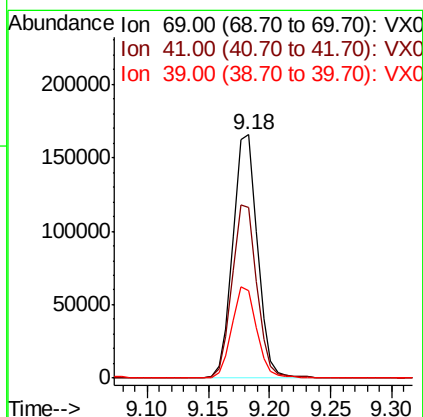
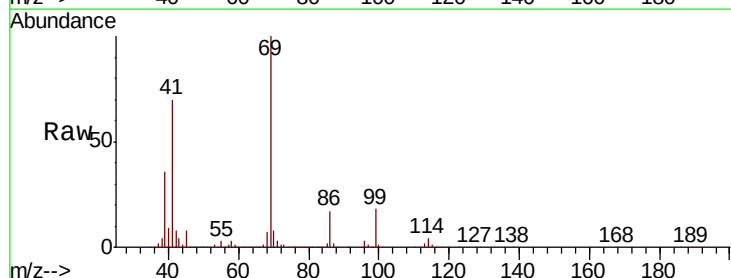
RT: 9.18 min Scan# 1317

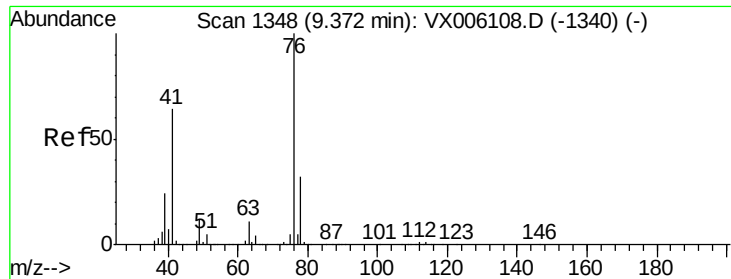
Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Tgt Ion:	69	Resp:	230412
Ion	Ratio	Lower	Upper
69	100		
41	71.5	56.2	84.4
39	37.5	29.4	44.0





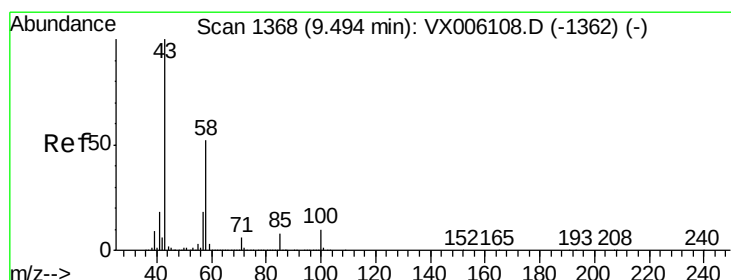
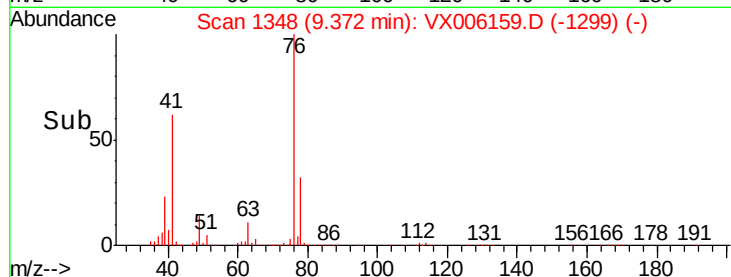
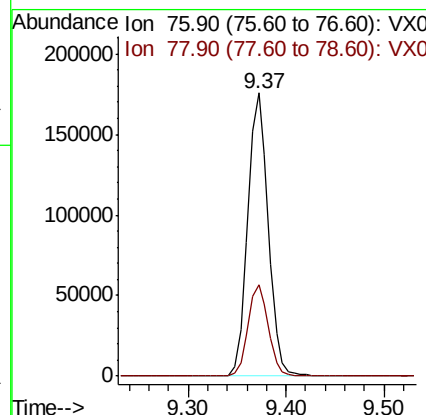
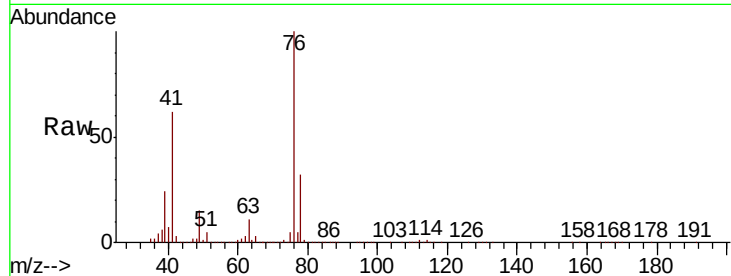
#57
 1,3-Dichloropropane
 Concen: 50.864 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX006159.D
 Acq: 22 Nov 2018 08:02

Instrument :
 MSVOA_X
 ClientSampleId :
 MMTW-01MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.7	38.5

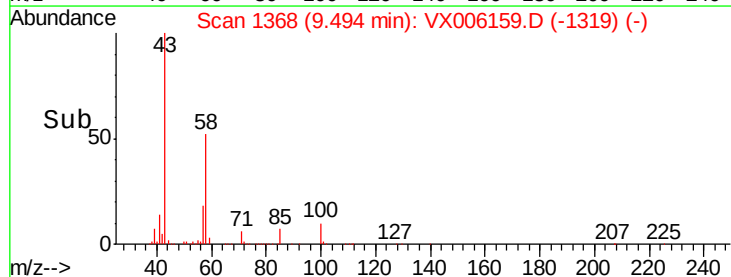
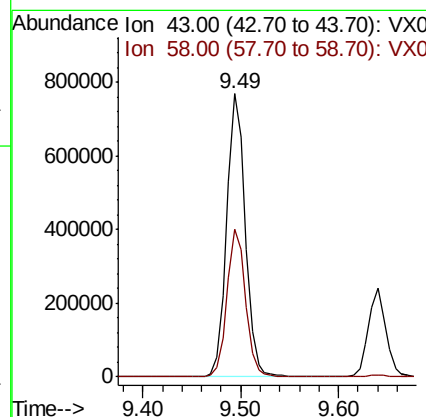
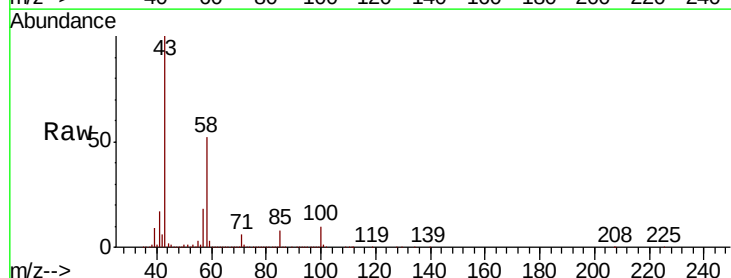
Manual Integrations
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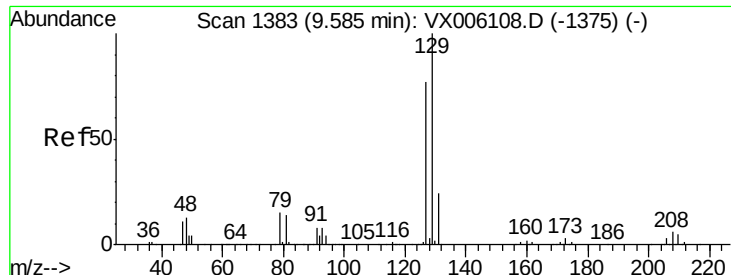
MMDadoda
 11/26/2018 9:49:20 AM



#59
 2-Hexanone
 Concen: 249.888 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VX006159.D
 Acq: 22 Nov 2018 08:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	52.0	26.3	78.9





#60

Dibromochloromethane

Concen: 54.209 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MS

Tot Ion:129 Resp: 161428

Ion Ratio Lower Upper

129 100

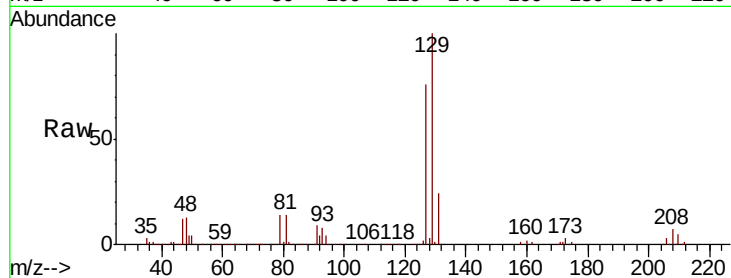
127 77.0 39.1 117.5

Manual Integrations

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MMDadoda

11/26/2018 9:49:20 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.59

120000

100000

80000

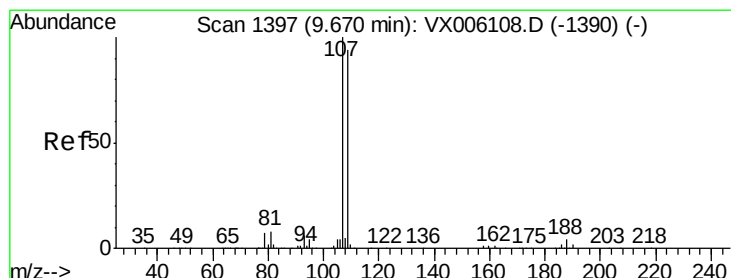
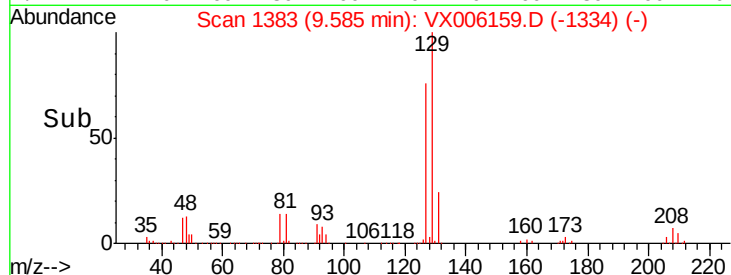
60000

40000

20000

0

Time-->



#61

1,2-Dibromoethane

Concen: 51.941 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006159.D

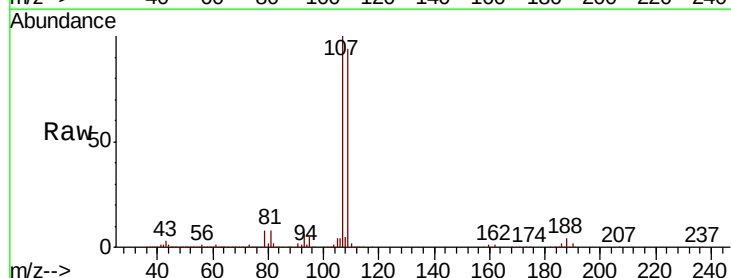
Acq: 22 Nov 2018 08:02

Tgt Ion:107 Resp: 162530

Ion Ratio Lower Upper

107 100

109 94.3 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

120000

100000

80000

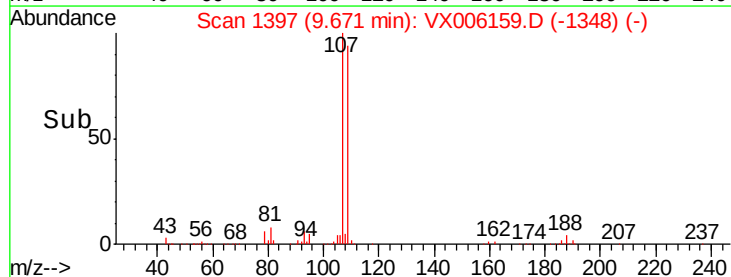
60000

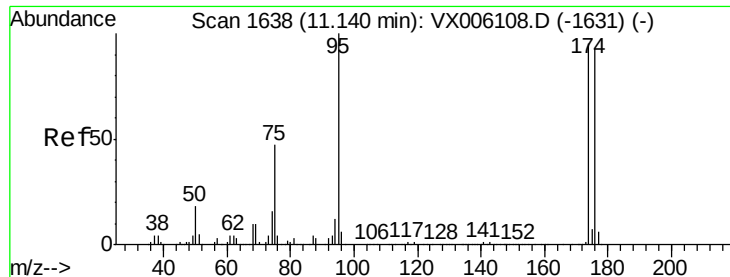
40000

20000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 50.797 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

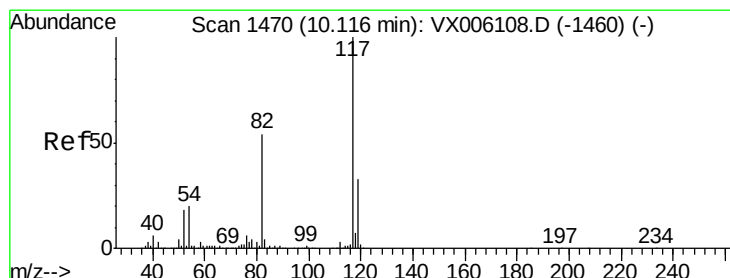
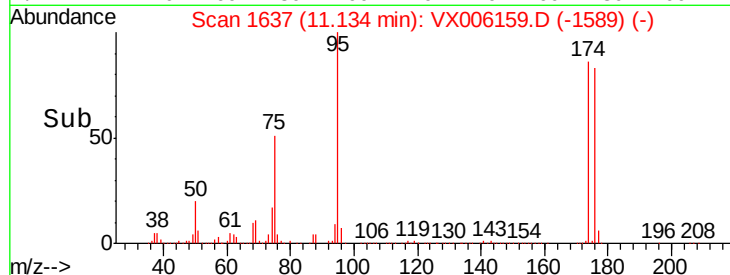
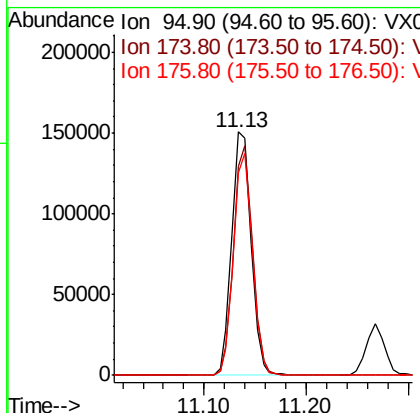
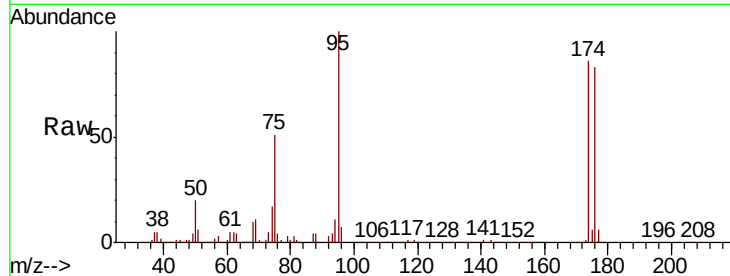
ClientSampleId :

MMTW-01MS

Tot Ion:	95	Resp:	197409
Ion Ratio	Lower	Upper	
95	100		
174	91.9	0.0	184.4
176	88.8	0.0	179.0

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

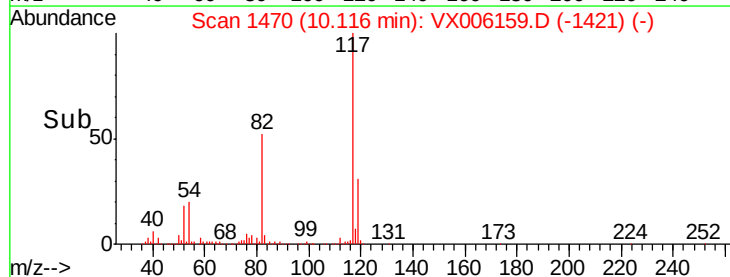
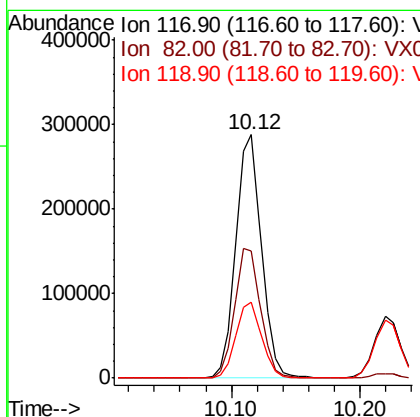
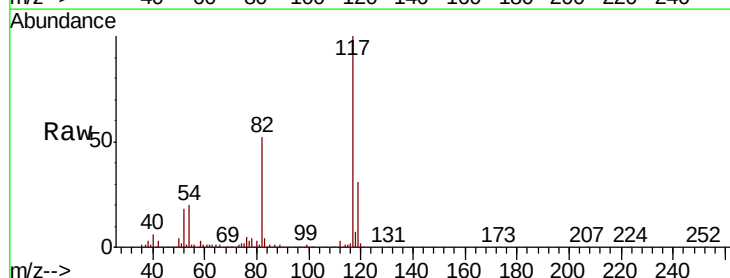
RT: 10.12 min Scan# 1470

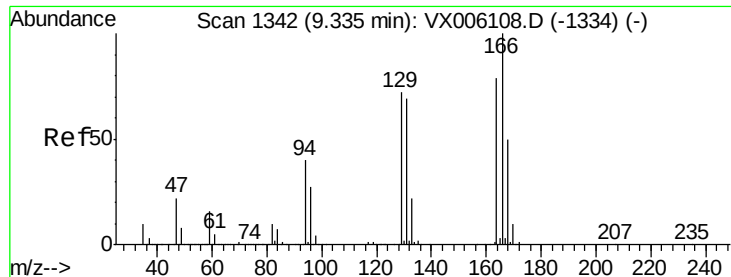
Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Tgt Ion:	117	Resp:	399665
Ion Ratio	Lower	Upper	
117	100		
82	52.3	43.0	64.4
119	31.4	26.1	39.1





#64

Tetrachloroethene

Concen: 42.032 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

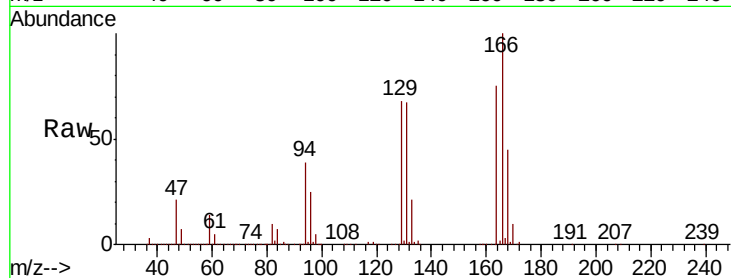
ClientSampleId :

MMTW-01MS

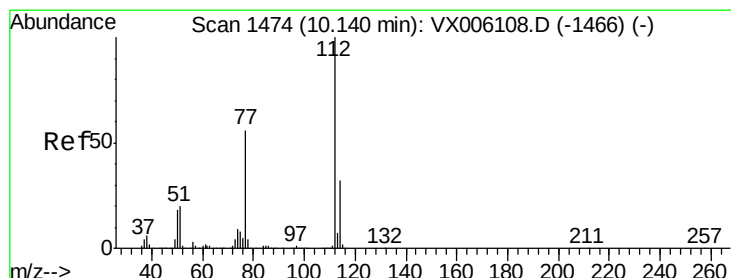
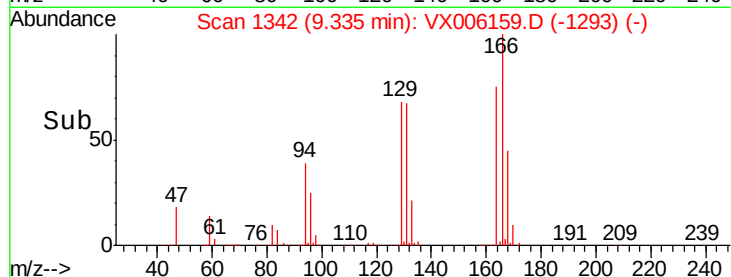
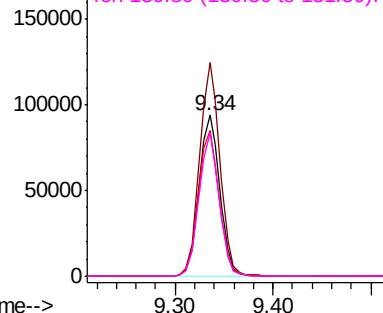
Tot Ion:	164	Resp:	138244
Ion Ratio	Lower	Upper	
164	100		
166	132.6	101.5	152.3
129	90.4	73.4	110.0
131	88.7	70.2	105.4

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Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 50.582 ug/l

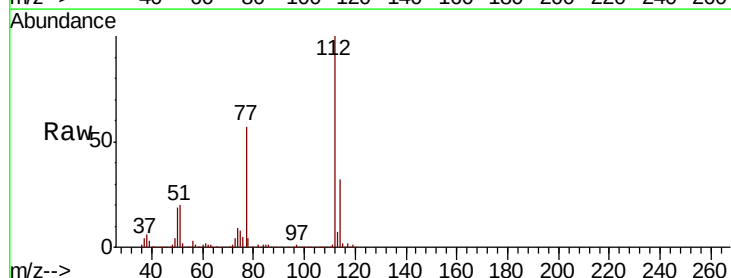
RT: 10.14 min Scan# 1474

Delta R.T. 0.00 min

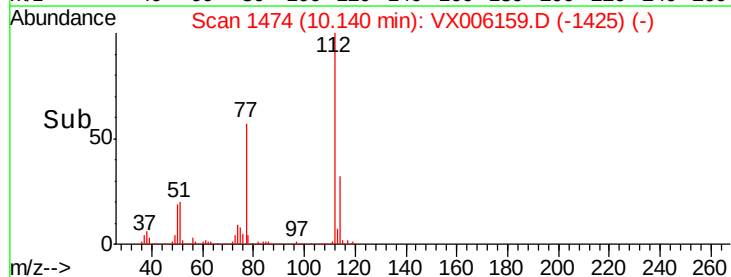
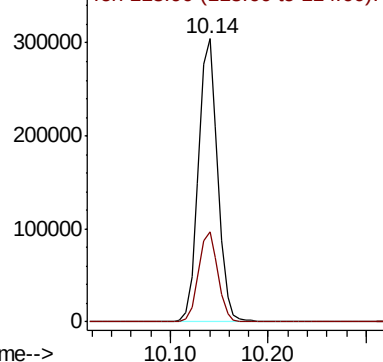
Lab File: VX006159.D

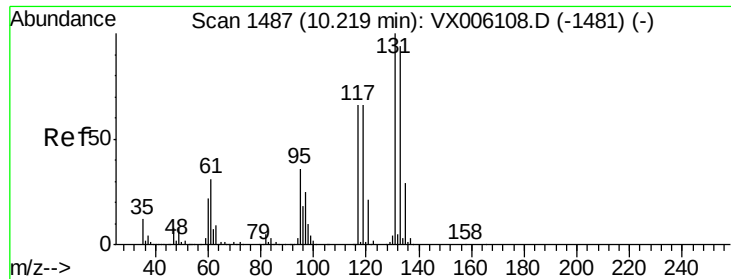
Acq: 22 Nov 2018 08:02

Tgt Ion:	112	Resp:	414672
Ion Ratio	Lower	Upper	
112	100		
114	31.9	25.6	38.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 52.794 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MS

Tot Ion:131 Resp: 148587

Ion Ratio Lower Upper

131 100

133 95.4 48.0 144.2

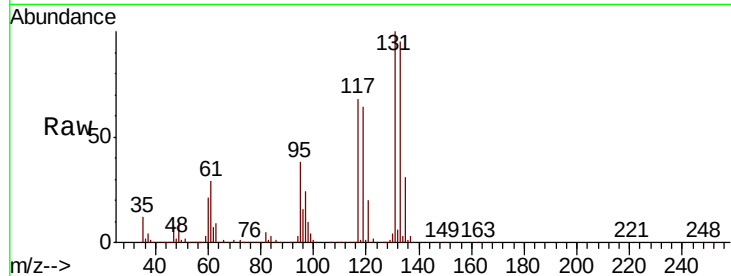
119 64.0 32.6 97.8

Manual Integrations

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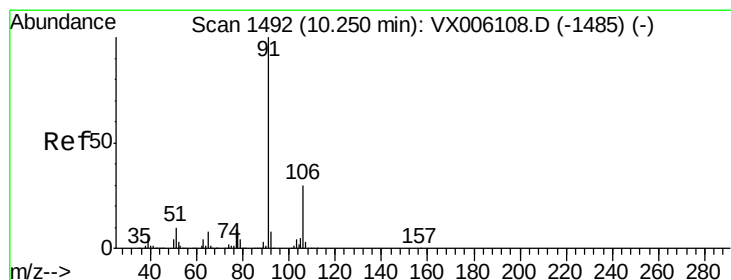
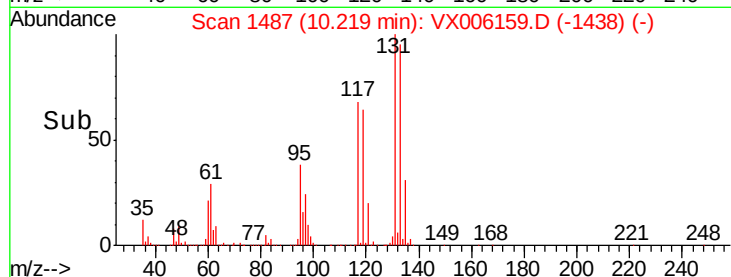
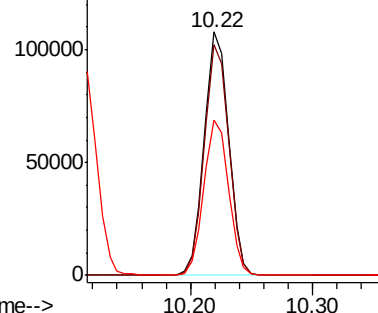


Abundance

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: 52.500 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006159.D

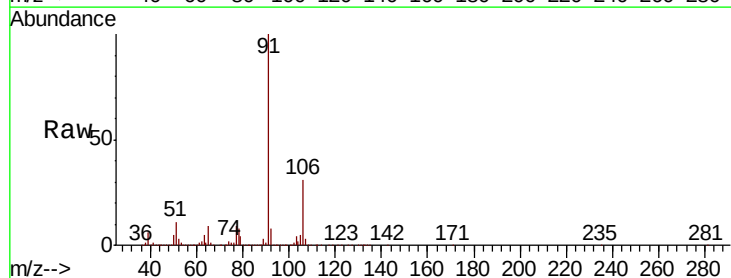
Acq: 22 Nov 2018 08:02

Tgt Ion: 91 Resp: 704708

Ion Ratio Lower Upper

91 100

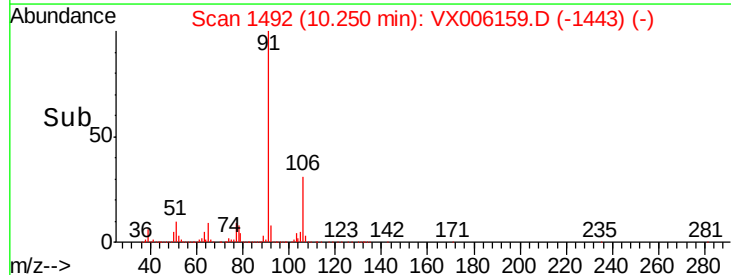
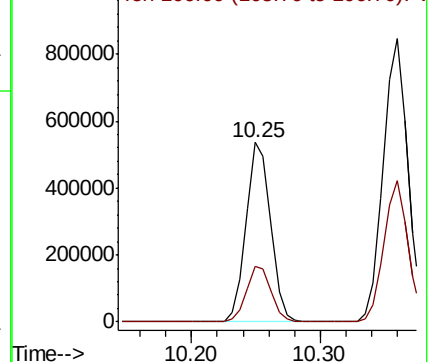
106 31.1 24.4 36.6

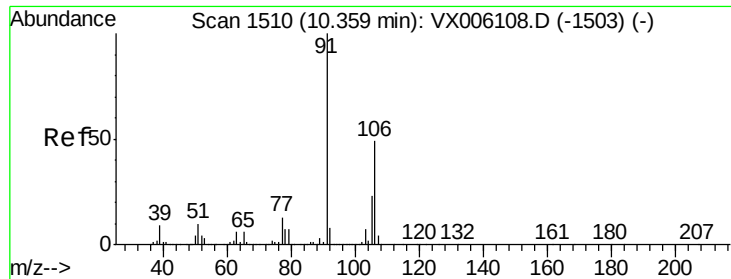


Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





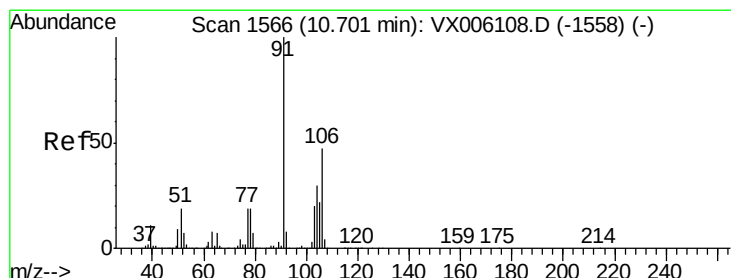
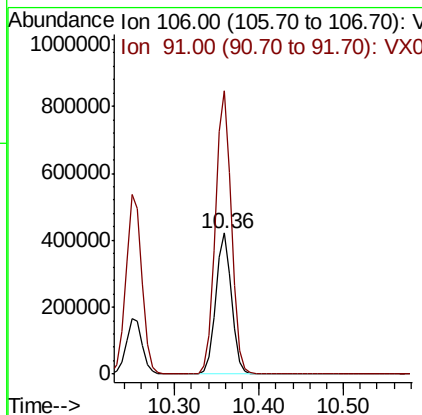
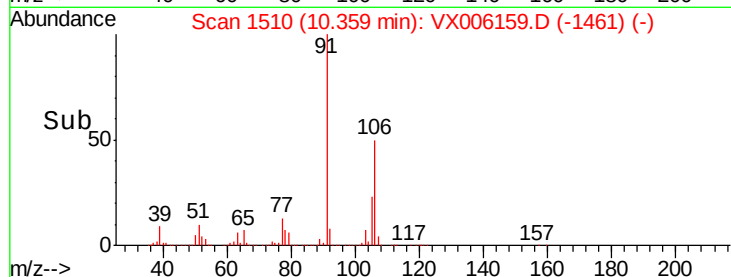
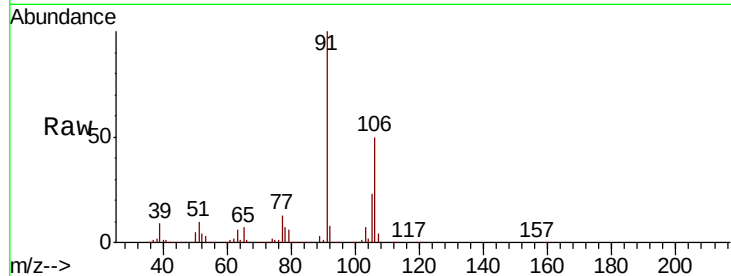
#68
m/p-Xylenes
Concen: 104.704 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MS

Tot Ion:106 Resp: 547272
Ion Ratio Lower Upper
106 100
91 204.2 162.0 243.0

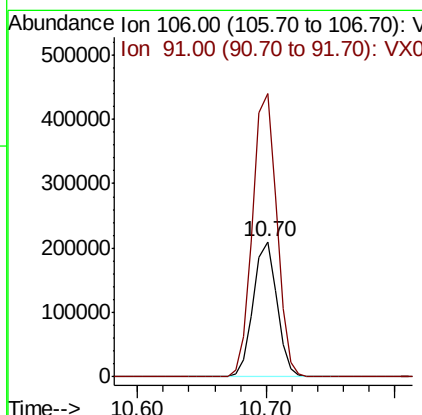
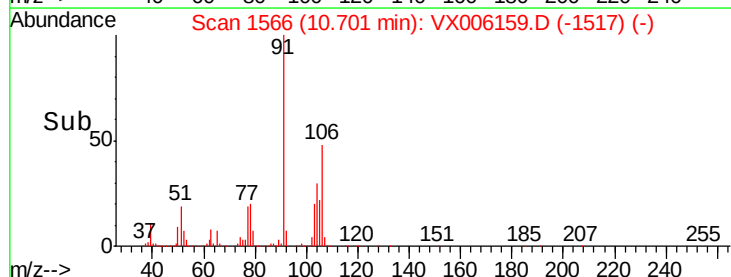
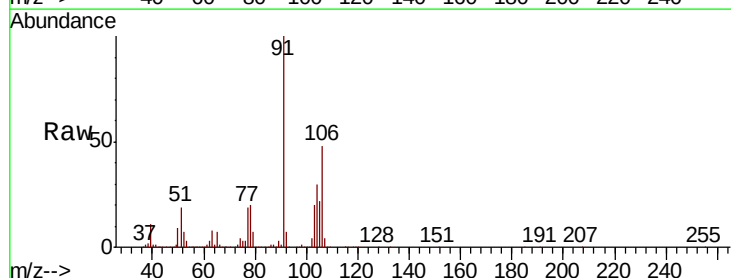
Manual Integrations
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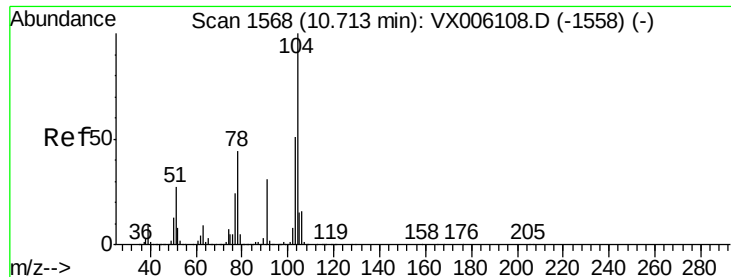
MMDadoda
11/26/2018 9:49:20 AM



#69
o-Xylene
Concen: 52.991 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Tgt Ion:106 Resp: 264569
Ion Ratio Lower Upper
106 100
91 215.2 107.4 322.2





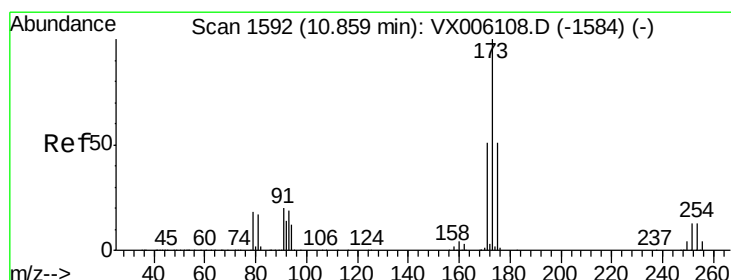
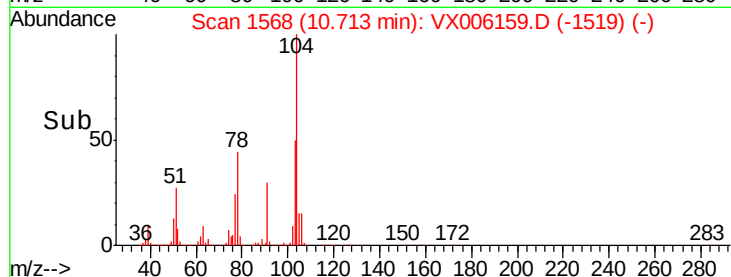
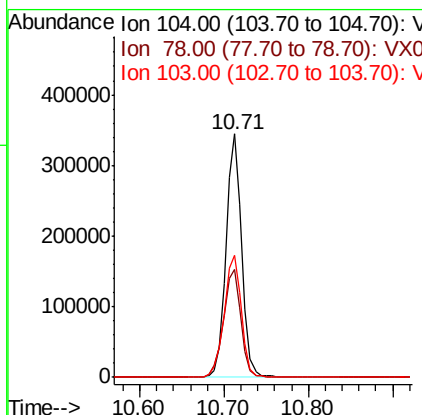
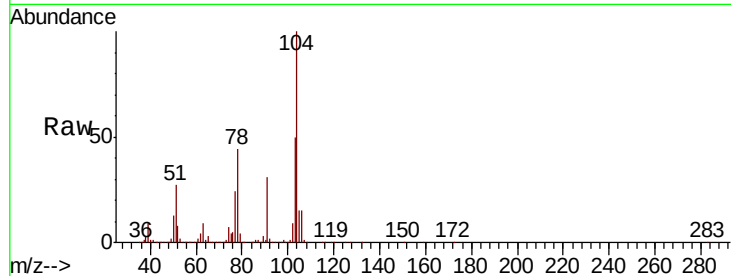
#70
Stvrene
Concen: 54.131 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.6	39.4	59.2
103	55.6	44.6	67.0

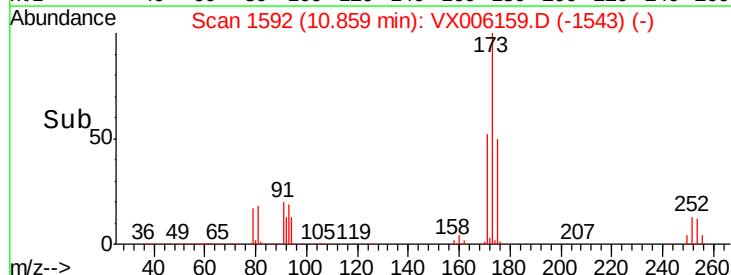
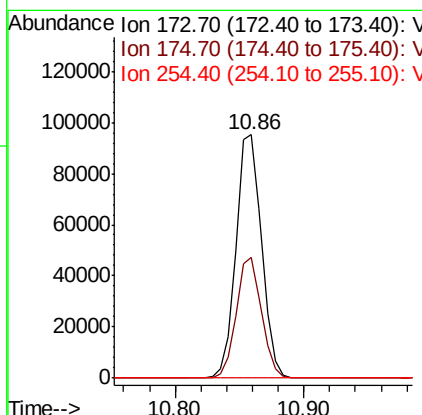
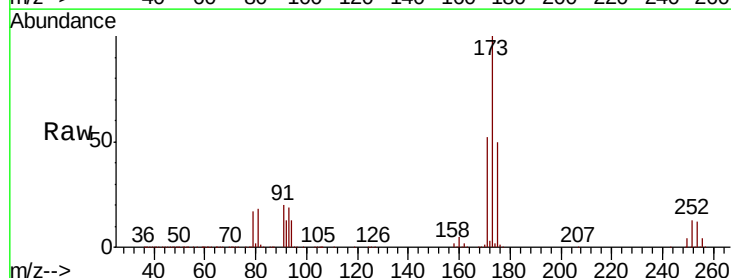
Manual Integrations
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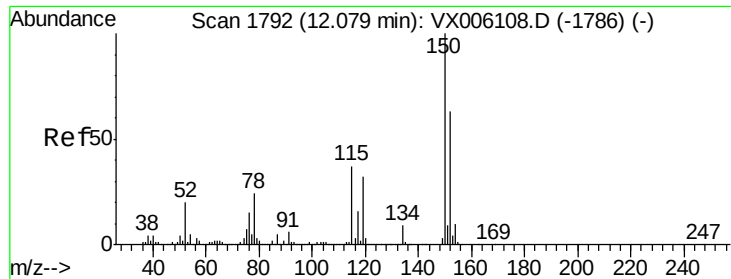
MMDadoda
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#71
Bromoform
Concen: 52.137 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	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: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MS

Tot Ion:152 Resp: 215387

Ion Ratio Lower Upper

152 100

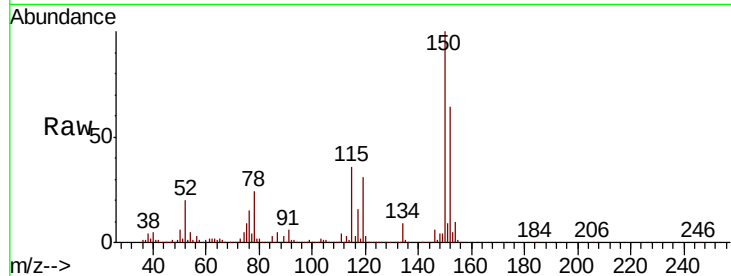
115 78.4 39.0 116.9

150 173.3 0.0 346.6

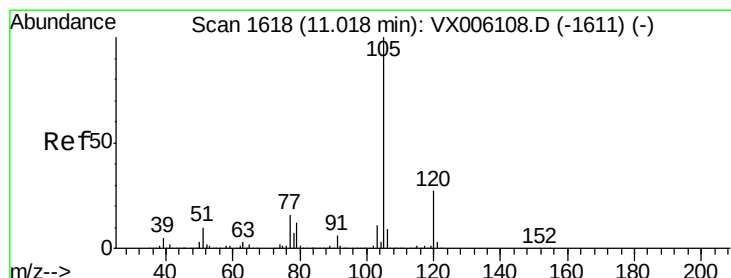
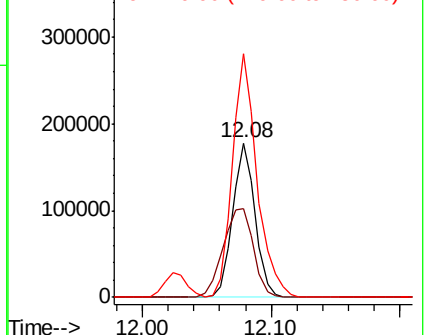
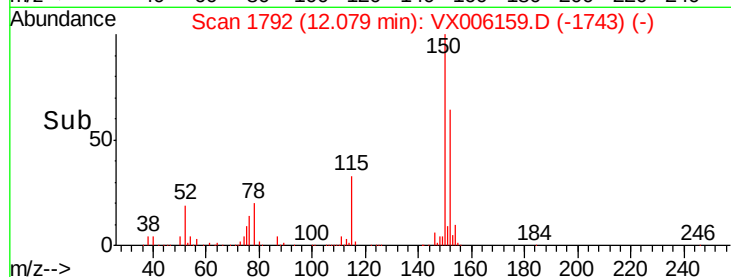
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 54.816 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006159.D

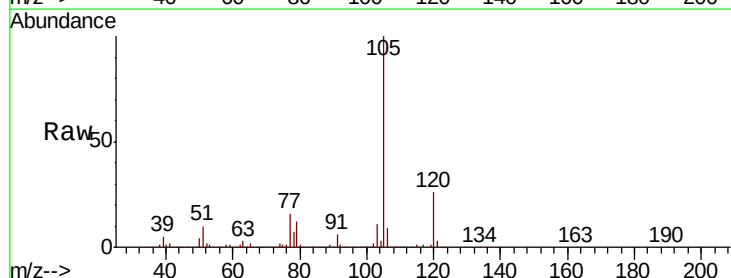
Acq: 22 Nov 2018 08:02

Tgt Ion:105 Resp: 714366

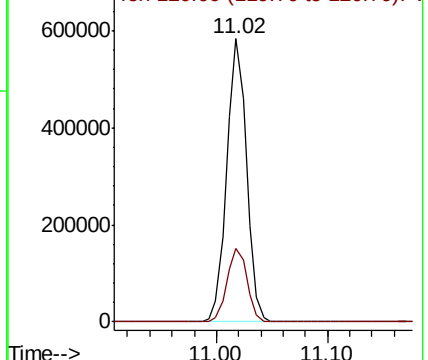
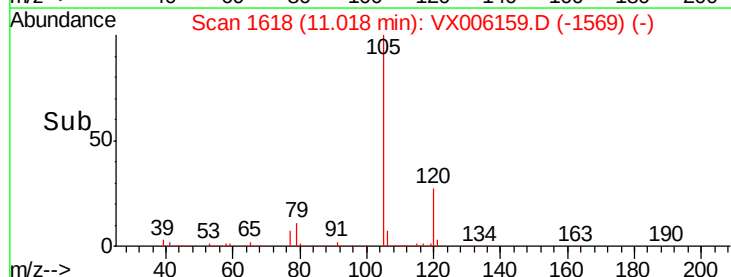
Ion Ratio Lower Upper

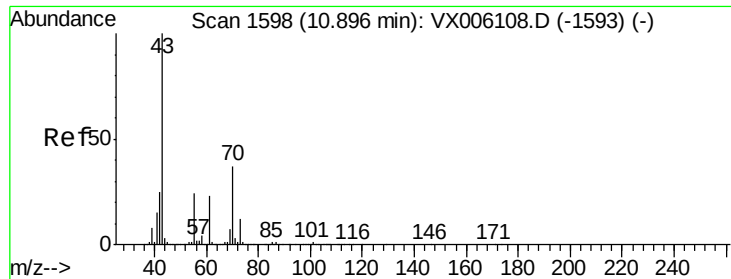
105 100

120 26.6 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: 45.227 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

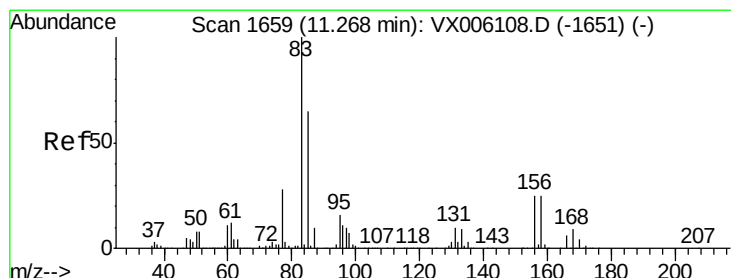
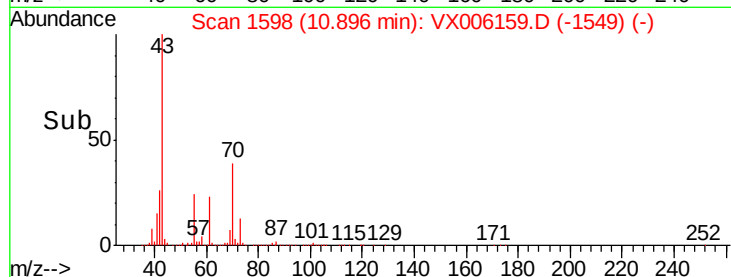
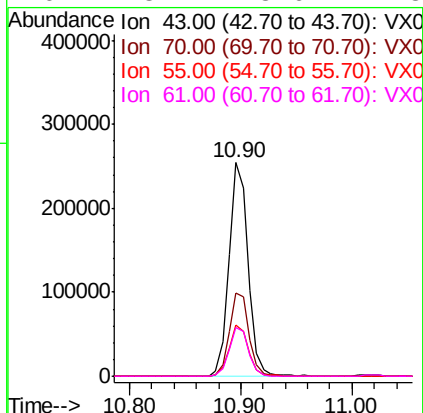
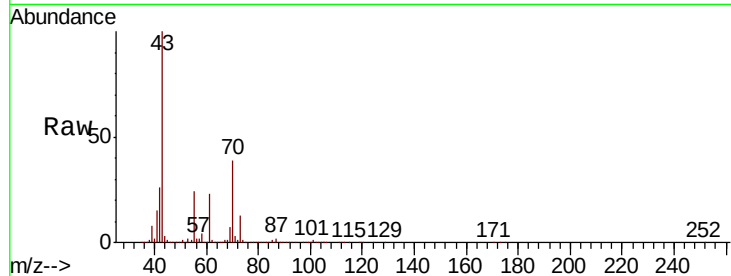
ClientSampleId :

MMTW-01MS

Tot Ion	Ratio	Lower	Upper
43	100		
70	39.9	31.8	47.6
55	24.6	19.5	29.3
61	23.1	18.6	27.8

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 51.533 ug/l

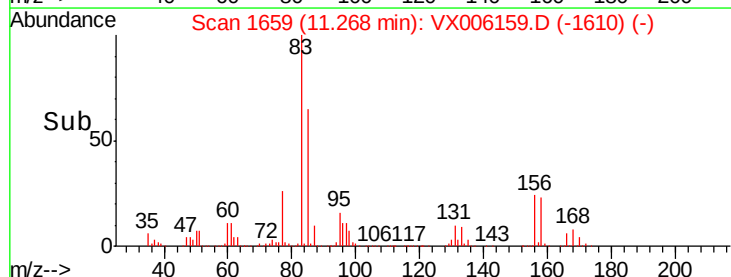
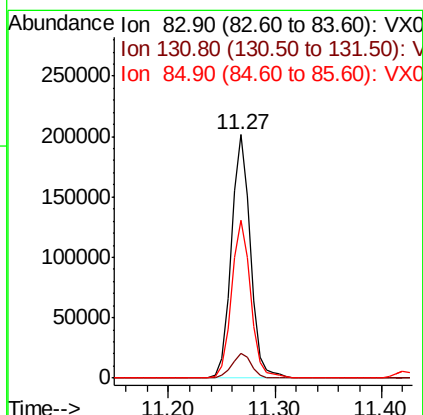
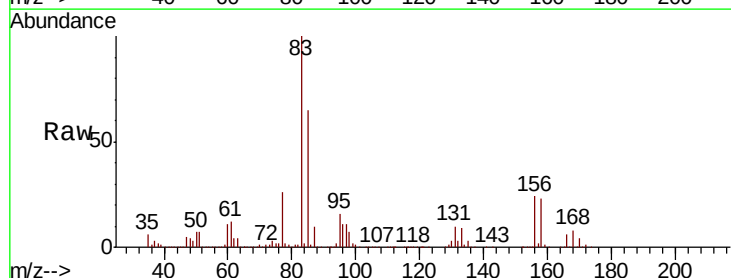
RT: 11.27 min Scan# 1659

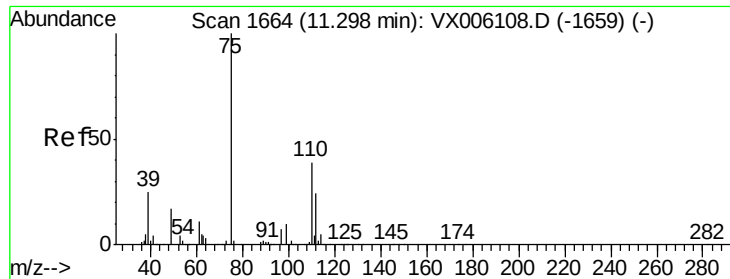
Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.2	15.6
85	65.1	32.6	97.8





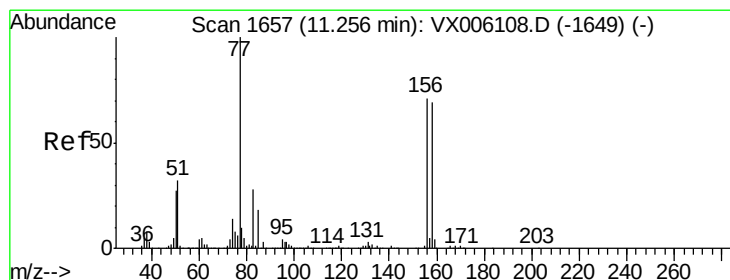
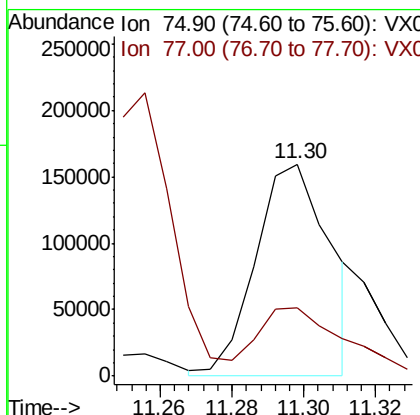
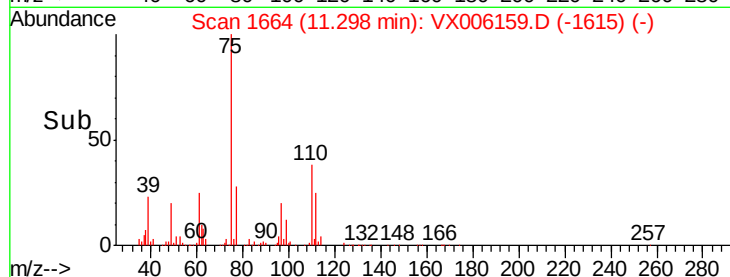
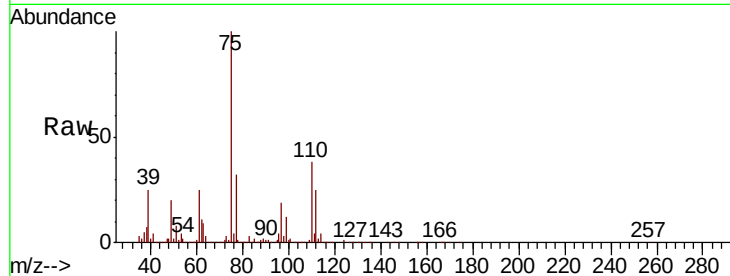
#76
 1,2,3-Trichloropropane
 Concen: 51.629 ug/l m
 RT: 11.30 min Scan# 1664
 Delta R.T. 0.00 min
 Lab File: VX006159.D
 Acq: 22 Nov 2018 08:02

Instrument :
 MSVOA_X
 ClientSampleId :
 MMTW-01MS

Tot Ion: 75 Resp: 228942
 Ion Ratio Lower Upper
 75 100
 77 37.8 19.6 58.7

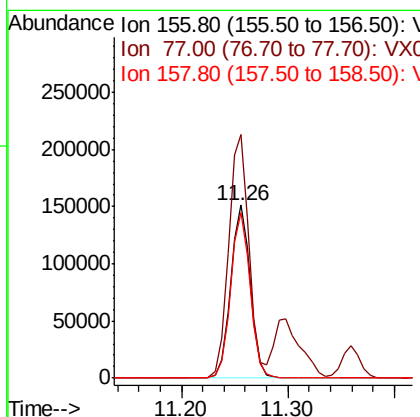
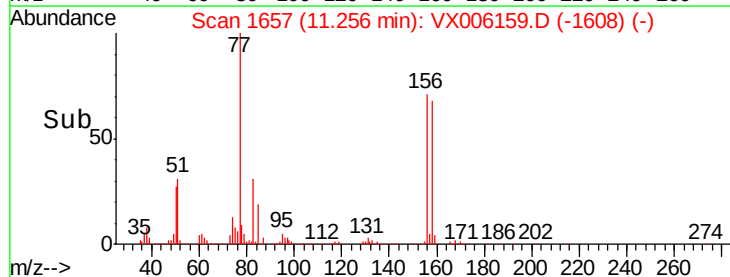
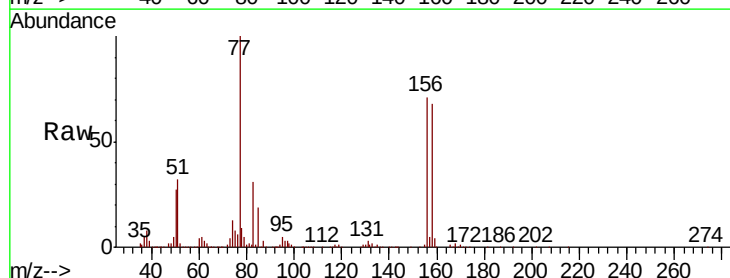
Manual Integrations
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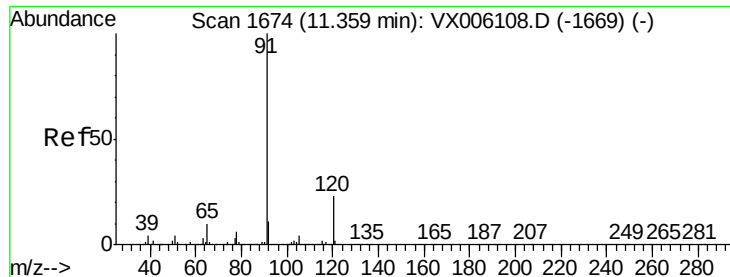
MMDadoda
 11/26/2018 9:49:20 AM



#77
 Bromobenzene
 Concen: 53.254 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VX006159.D
 Acq: 22 Nov 2018 08:02

Tgt Ion: 156 Resp: 194416
 Ion Ratio Lower Upper
 156 100
 77 146.1 74.3 222.8
 158 95.8 49.0 147.0





#78

n-propylbenzene

Concen: 54.214 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MS

Tot Ion: 91 Resp: 822808

Ion Ratio Lower Upper

91 100

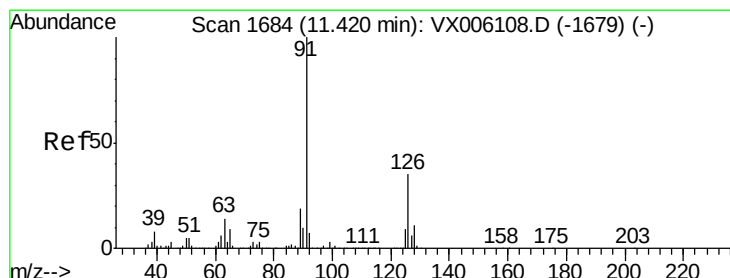
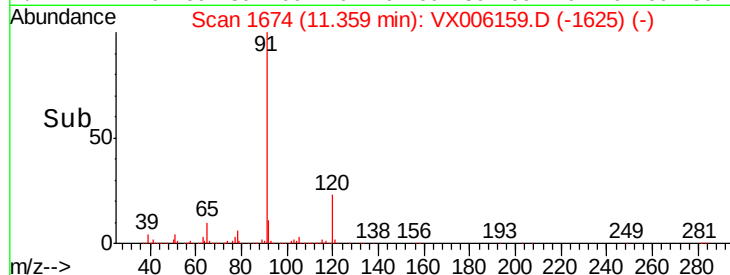
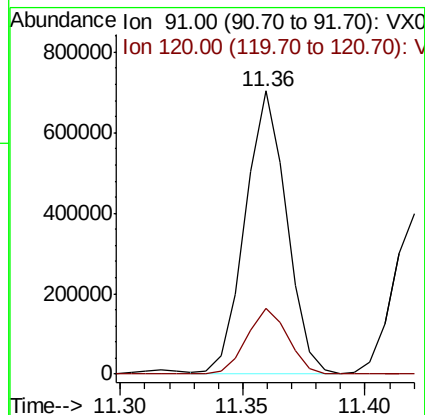
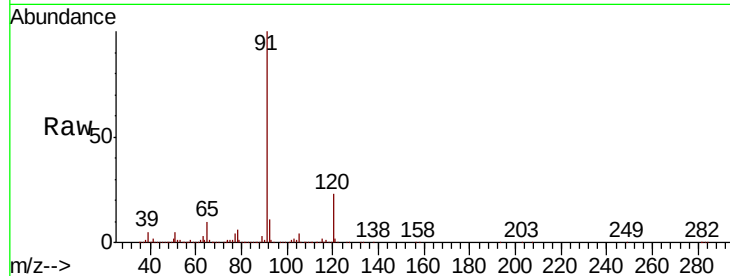
120 23.4 11.8 35.3

Manual Integrations

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#79

2-Chlorotoluene

Concen: 53.265 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006159.D

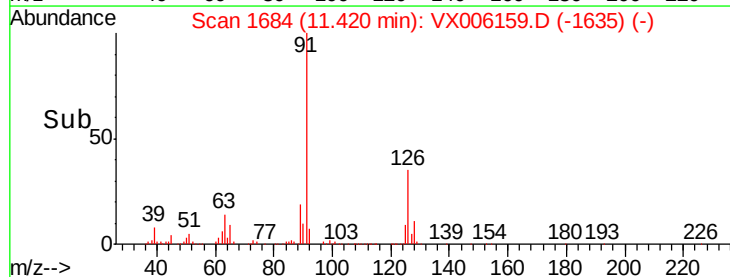
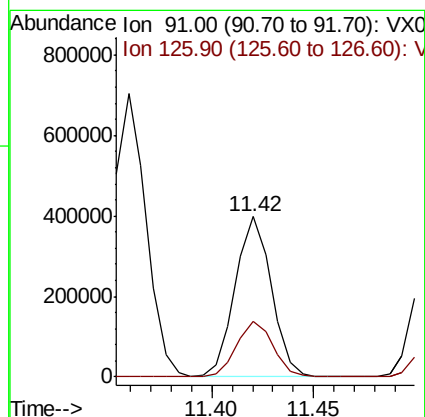
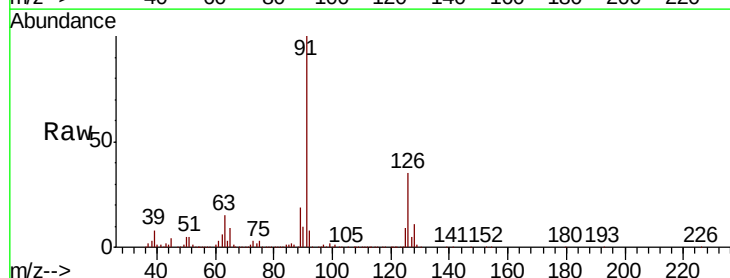
Acq: 22 Nov 2018 08:02

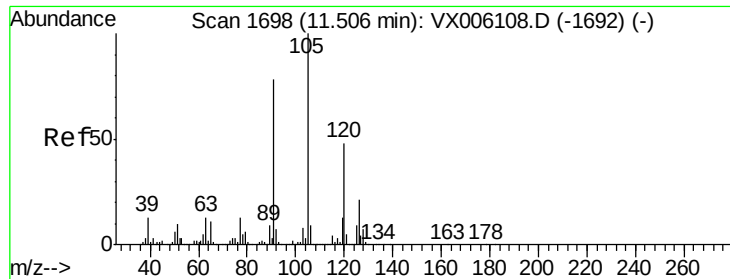
Tgt Ion: 91 Resp: 489070

Ion Ratio Lower Upper

91 100

126 35.0 17.6 52.9





#80

1,3,5-Trimethylbenzene

Concen: 54.851 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MS

Tot Ion:105 Resp: 602686

Ion Ratio Lower Upper

105 100

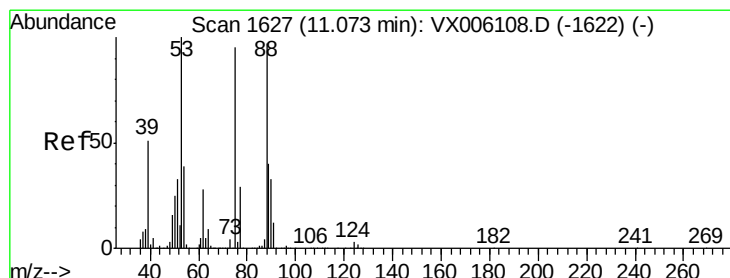
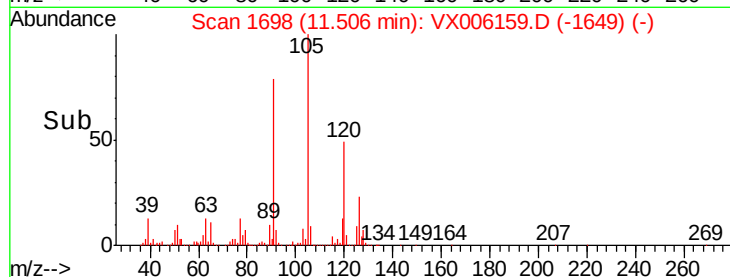
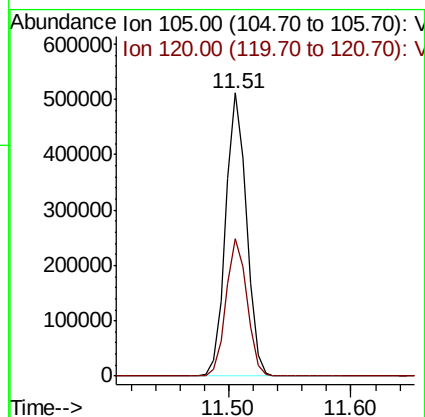
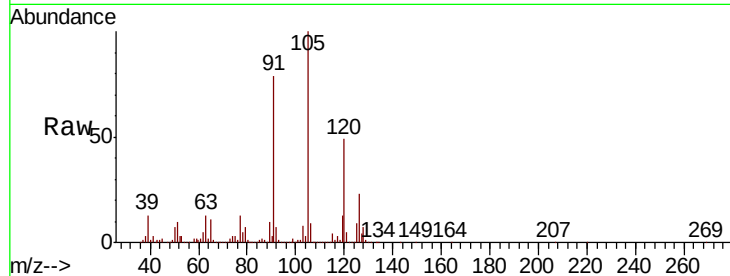
120 48.8 24.3 73.0

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#81

trans-1,4-Dichloro-2-butene

Concen: 47.016 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

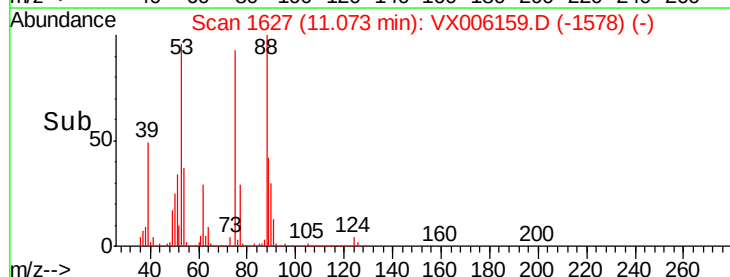
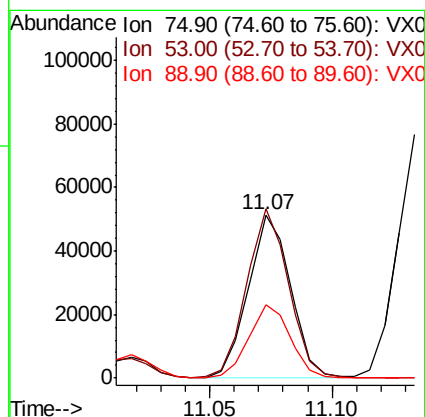
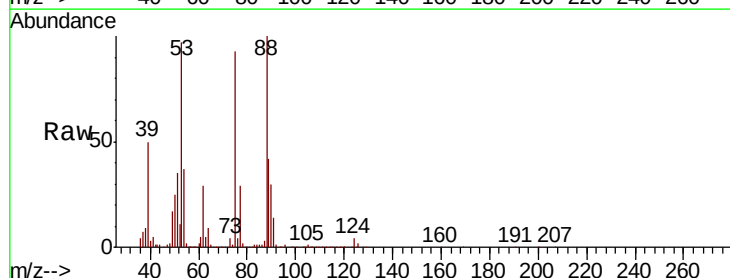
Tgt Ion: 75 Resp: 61642

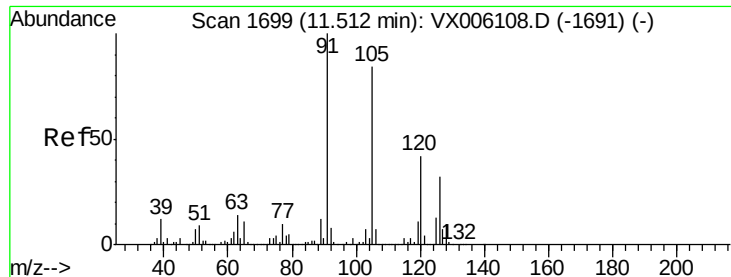
Ion Ratio Lower Upper

75 100

53 102.6 85.3 127.9

89 45.0 37.2 55.8





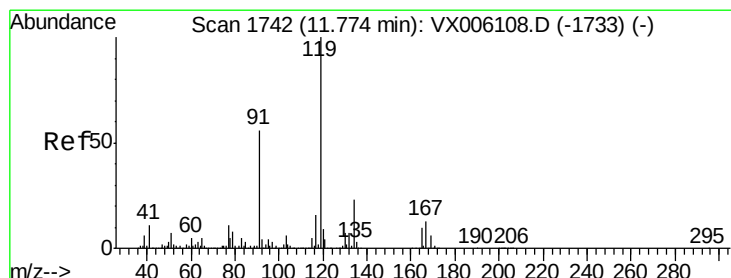
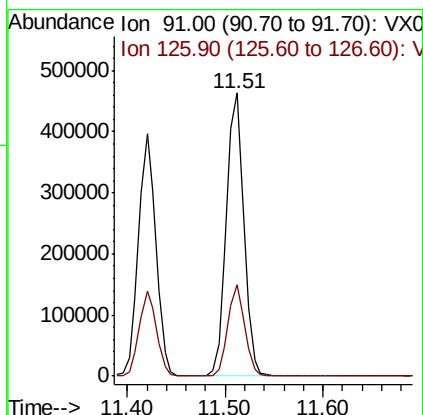
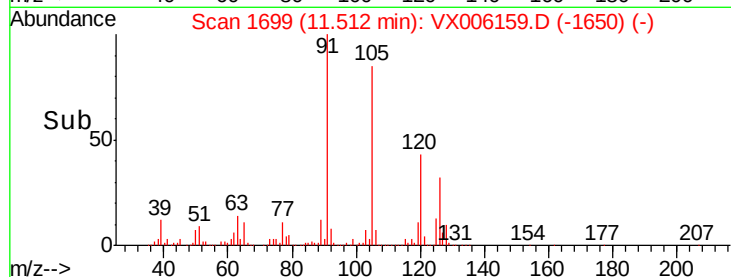
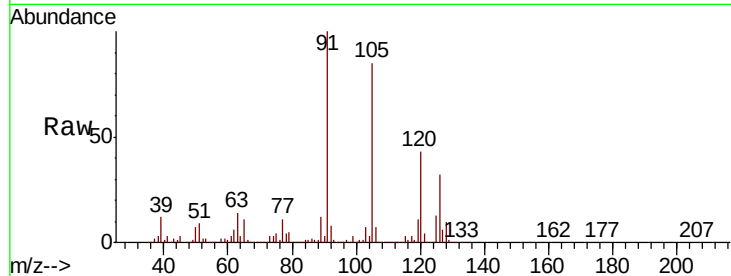
#82
4-Chlorotoluene
Concen: 54.118 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MS

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.3	45.9

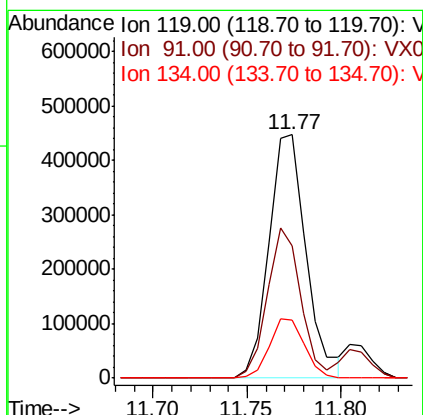
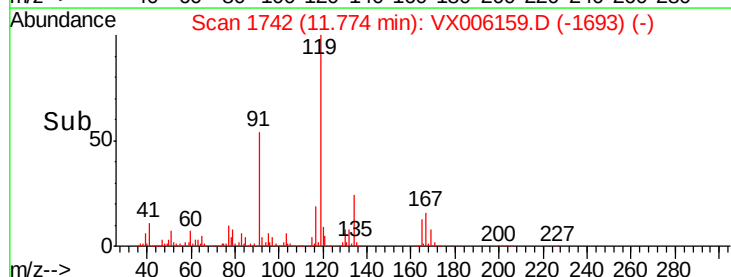
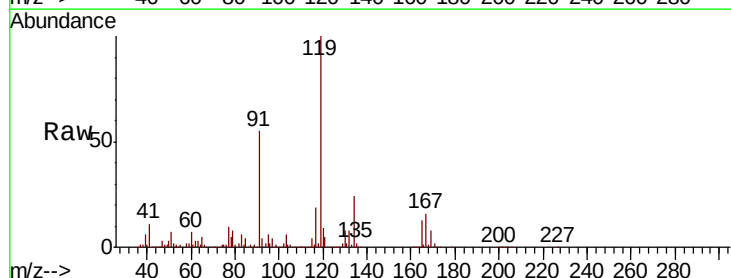
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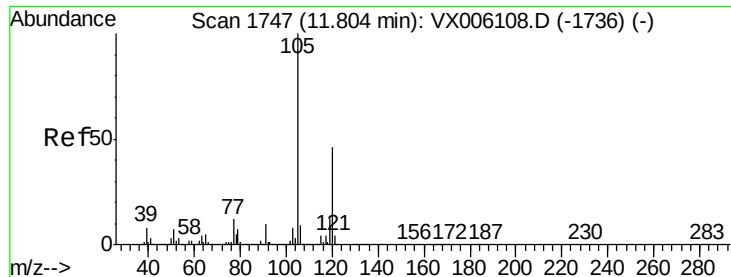
MMDadoda
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#83
tert-Butylbenzene
Concen: 57.137 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	55.3	28.2	84.6
134	22.9	11.5	34.4





#84

1,2,4-Trimethylbenzene

Concen: 55.419 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

ClientSampleId :

MMTW-01MS

Tot Ion:105 Resp: 621130

Ion Ratio Lower Upper

105 100

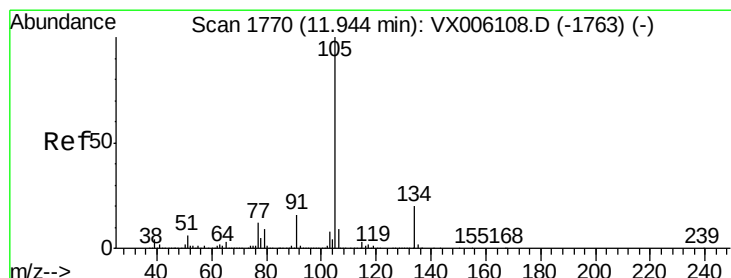
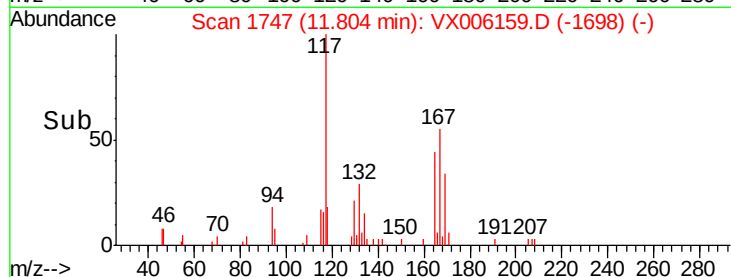
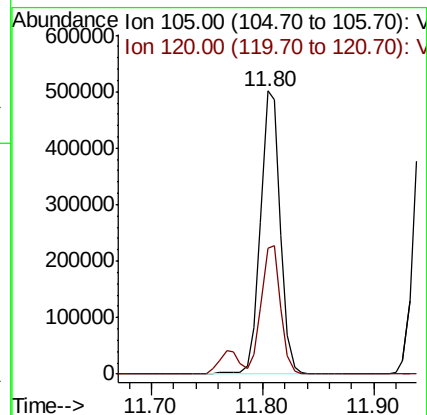
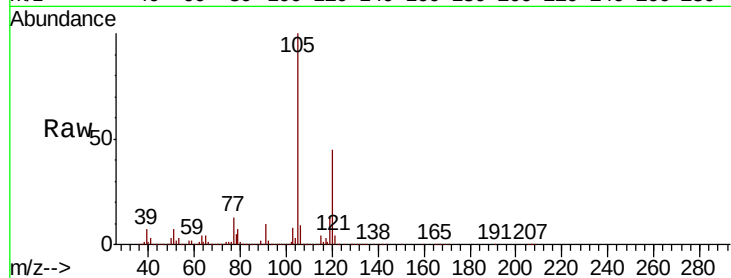
120 44.8 22.7 68.0

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#85

sec-Butylbenzene

Concen: 55.064 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006159.D

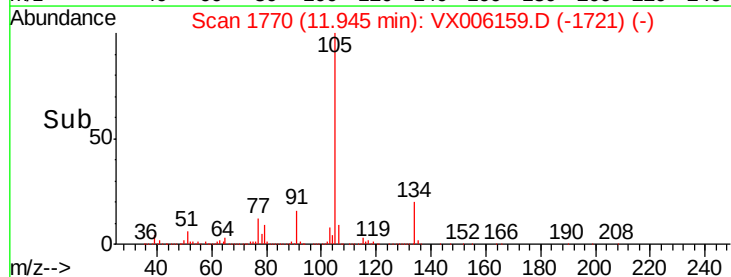
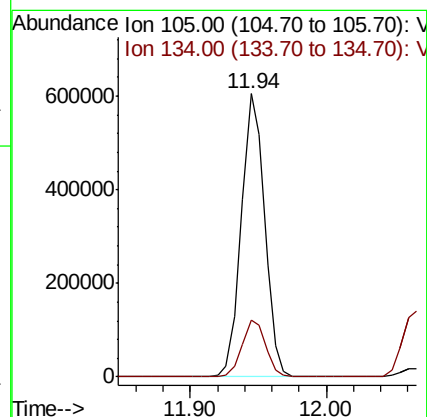
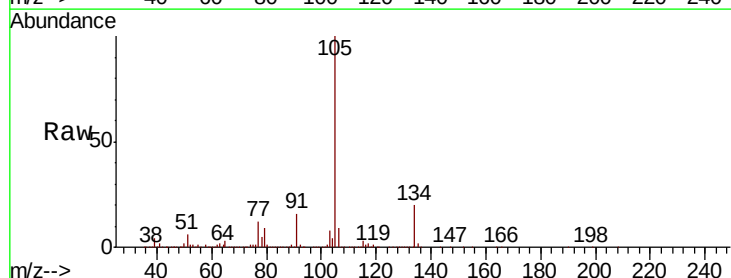
Acq: 22 Nov 2018 08:02

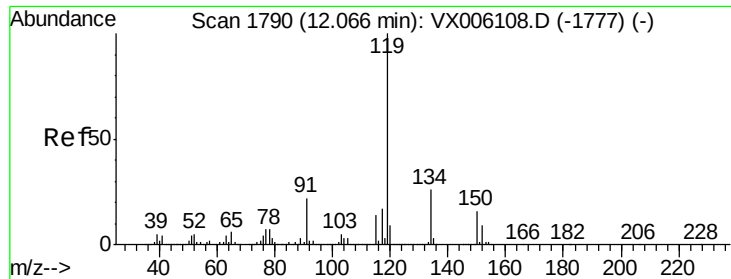
Tgt Ion:105 Resp: 722467

Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.1





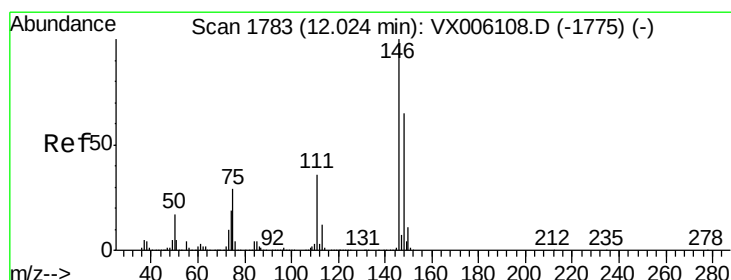
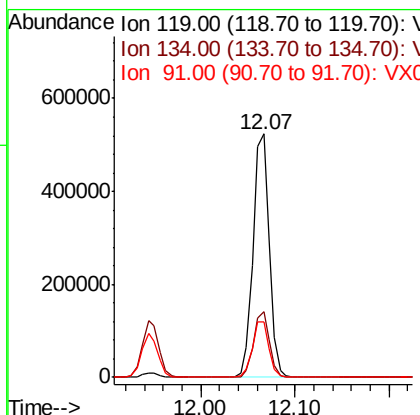
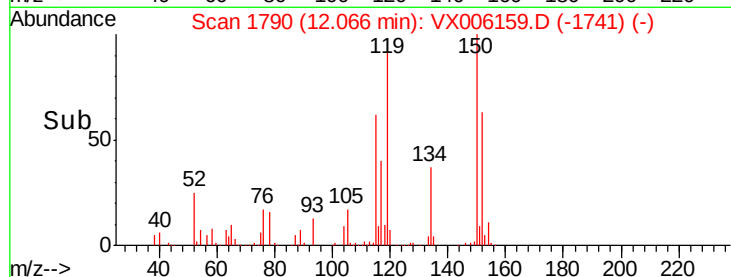
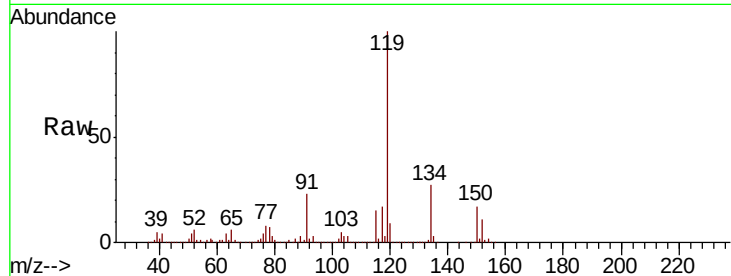
#86
 p-Isopropyltoluene
 Concen: 54.443 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX006159.D
 Acq: 22 Nov 2018 08:02

Instrument :
 MSVOA_X
 ClientSampleId :
 MMTW-01MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	636865		
134	26.5		13.1	39.3
91	23.1		11.3	33.9

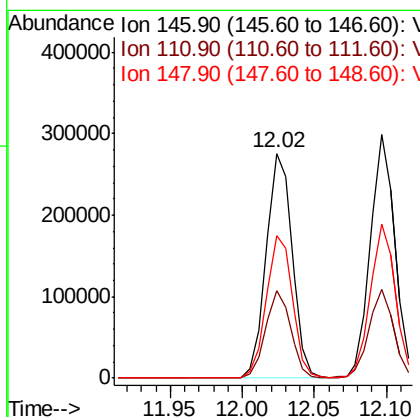
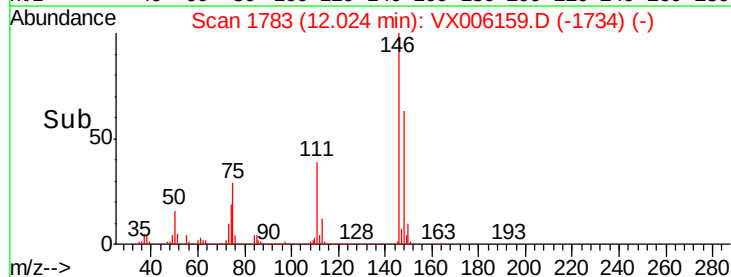
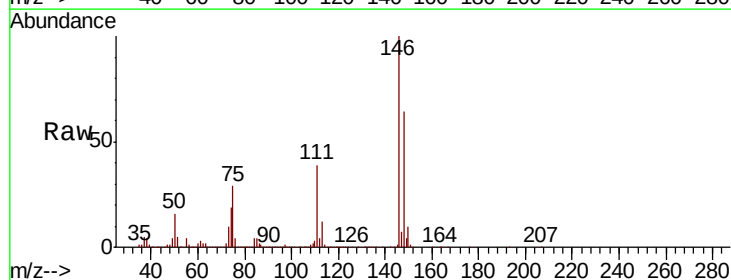
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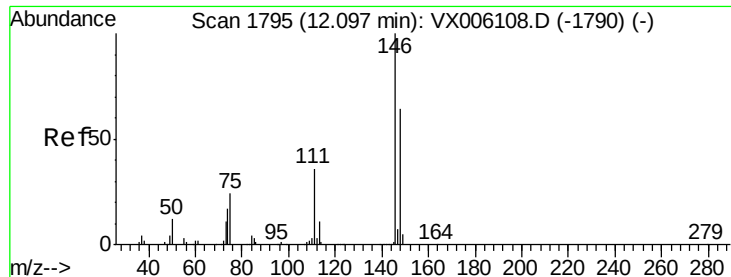
MMDadoda
 11/26/2018 9:49:20 AM



#87
 1,3-Dichlorobenzene
 Concen: 51.323 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006159.D
 Acq: 22 Nov 2018 08:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	345468		
111	37.9		18.8	56.3
148	63.8		32.2	96.6





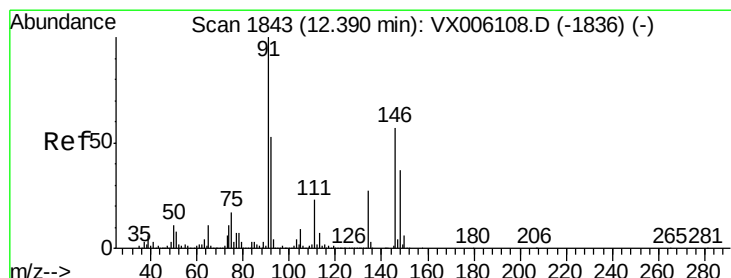
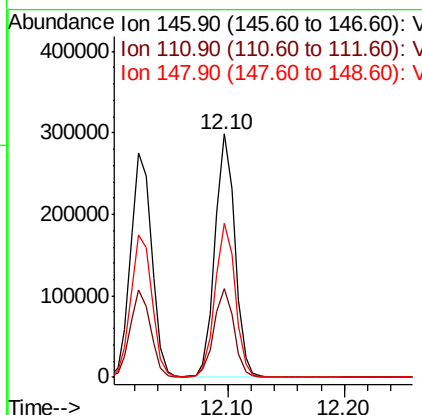
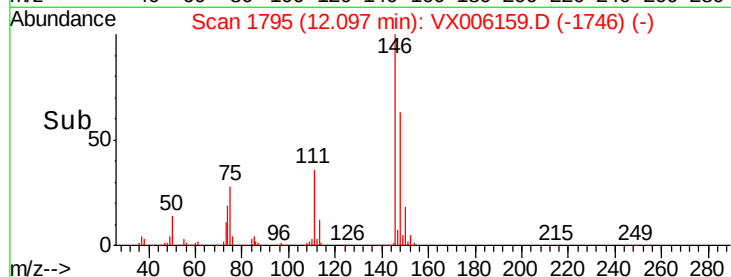
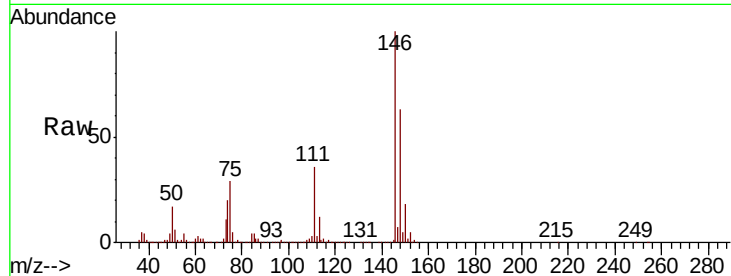
#88
 1,4-Dichlorobenzene
 Concen: 50.171 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006159.D
 Acq: 22 Nov 2018 08:02

Instrument :
 MSVOA_X
 ClientSampleId :
 MMTW-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.3	54.9
148	64.1	32.2	96.6

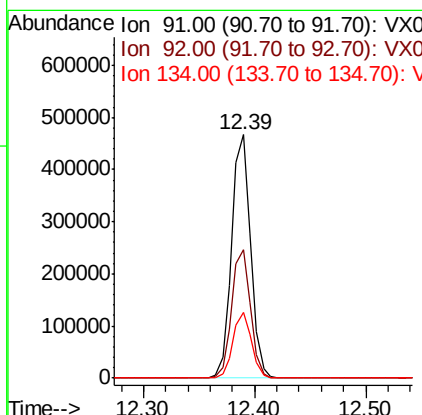
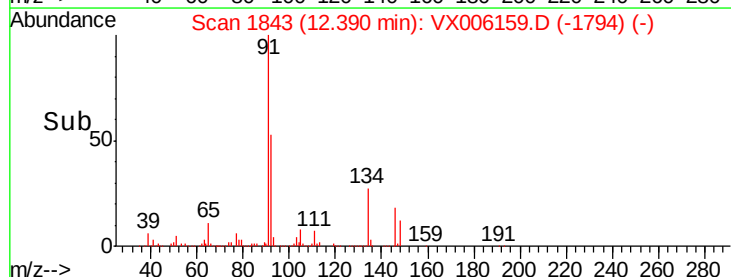
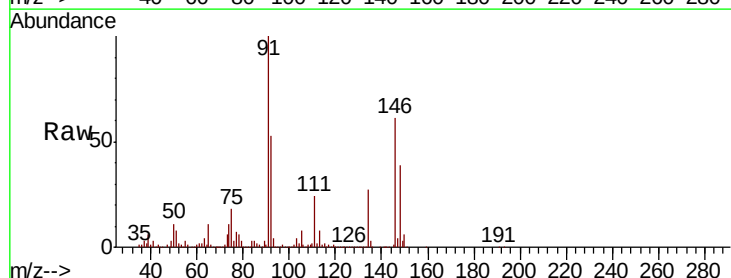
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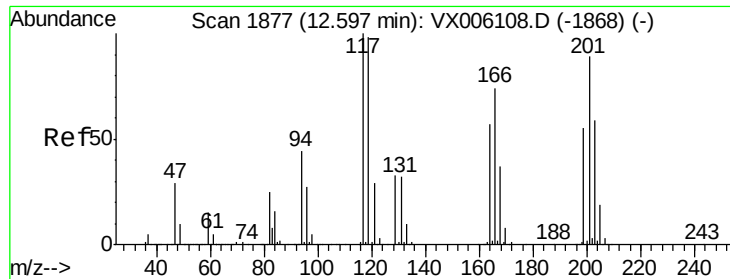
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#89
 n-Butylbenzene
 Concen: 51.746 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006159.D
 Acq: 22 Nov 2018 08:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.6	79.7
134	26.4	13.1	39.3





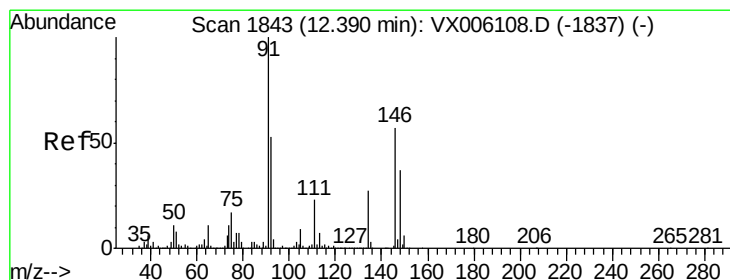
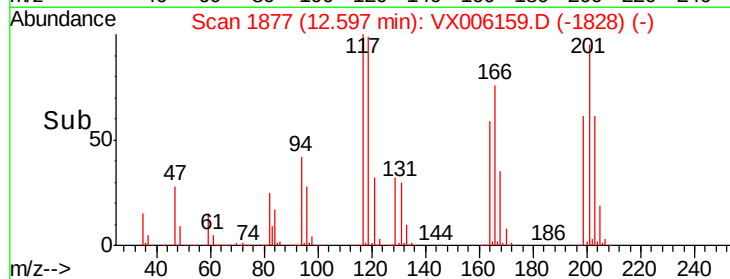
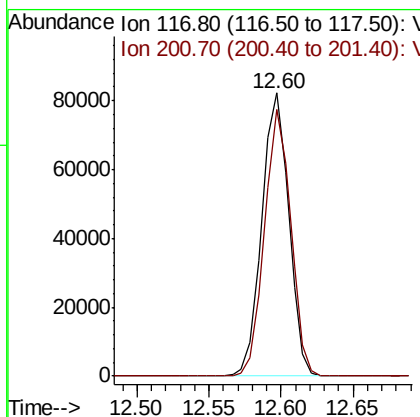
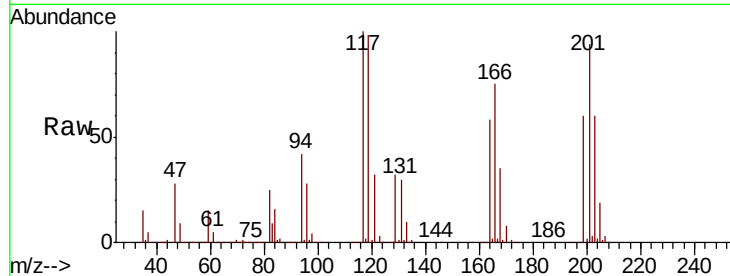
#90
Hexachloroethane
Concen: 56.870 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Instrument :
MSVOA_X
ClientSampleId :
MMTW-01MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	106162		
201	92.2	46.1	138.2	

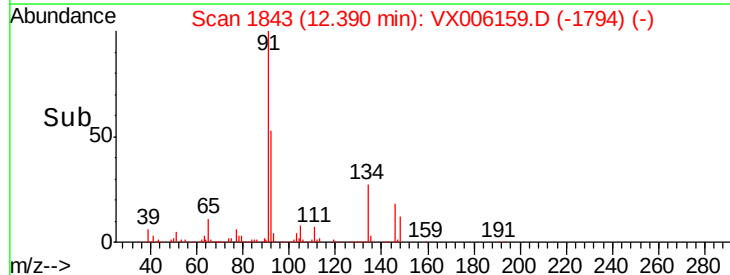
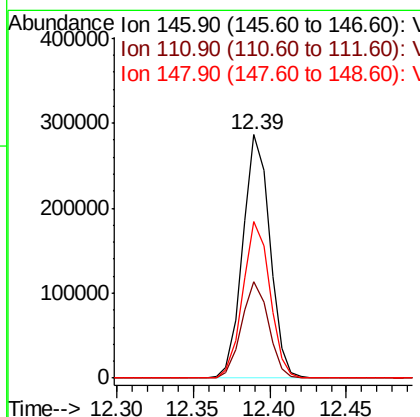
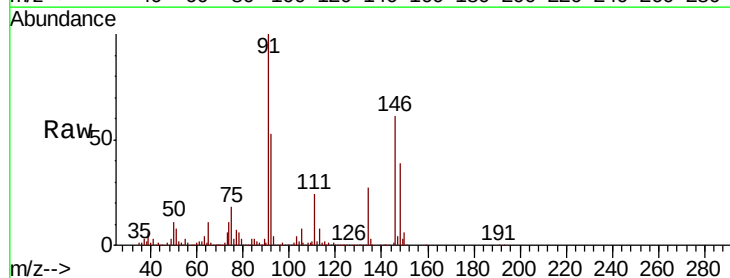
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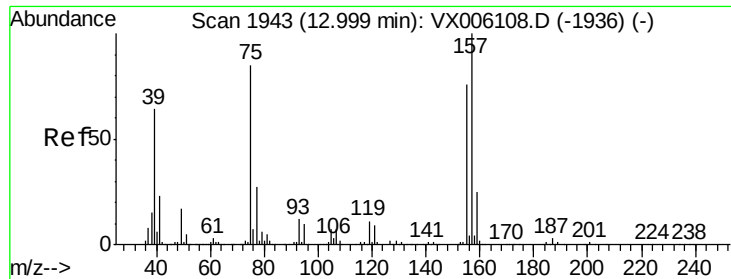
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11/26/2018 9:49:20 AM



#91
1,2-Dichlorobenzene
Concen: 51.249 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006159.D
Acq: 22 Nov 2018 08:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	352687		
111	39.4	19.6	58.8	
148	64.1	32.0	96.0	





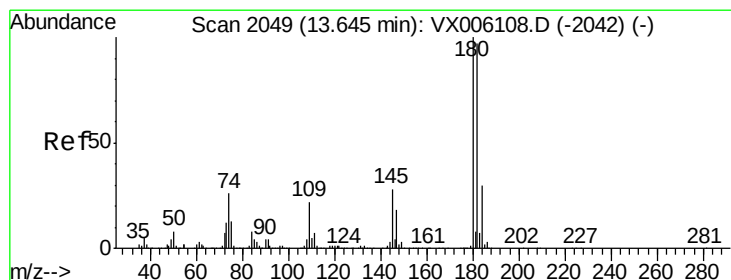
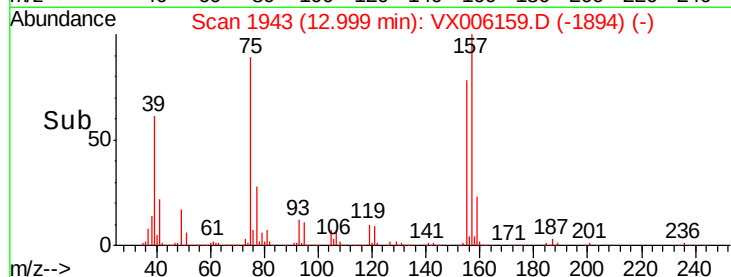
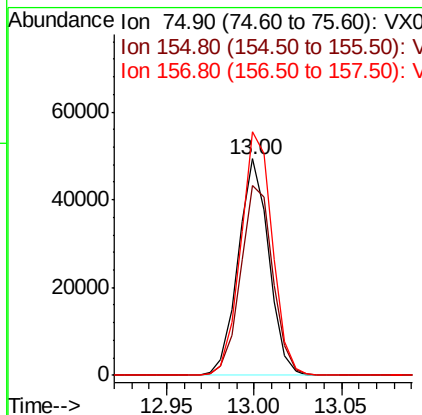
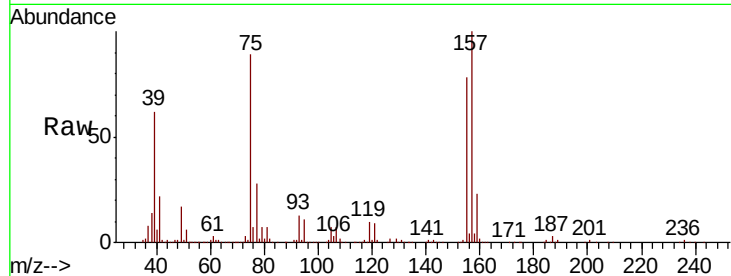
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.364 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006159.D
 Acq: 22 Nov 2018 08:02

Instrument :
 MSVOA_X
 ClientSampleId :
 MMTW-01MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	92.3	46.1	138.3
157	116.2	59.8	179.3

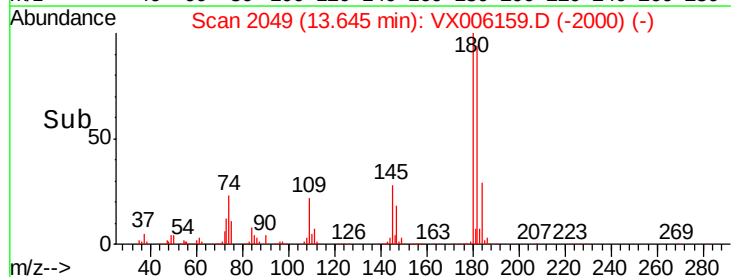
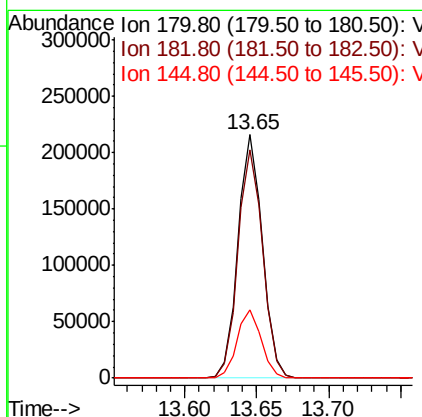
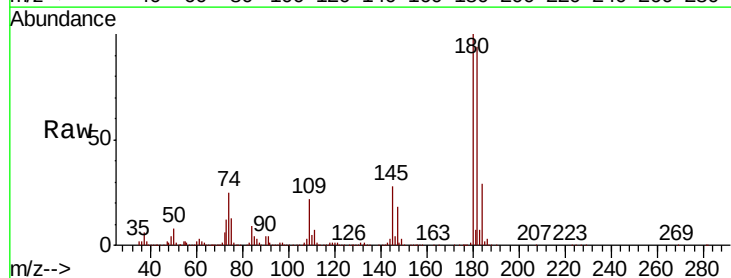
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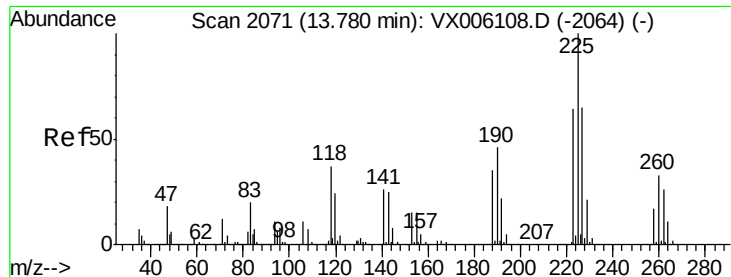
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 11/26/2018 9:49:20 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 52.455 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX006159.D
 Acq: 22 Nov 2018 08:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.2	144.6
145	28.0	14.1	42.2





#94

Hexachlorobutadiene

Concen: 49.301 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Instrument :

MSVOA_X

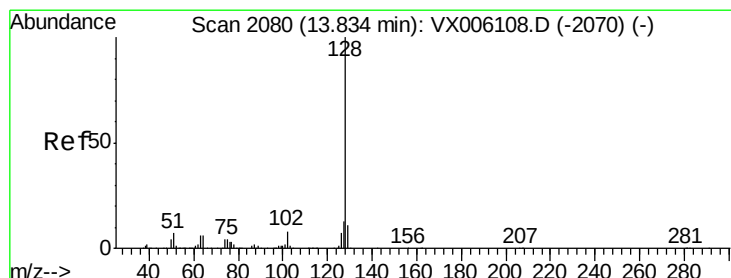
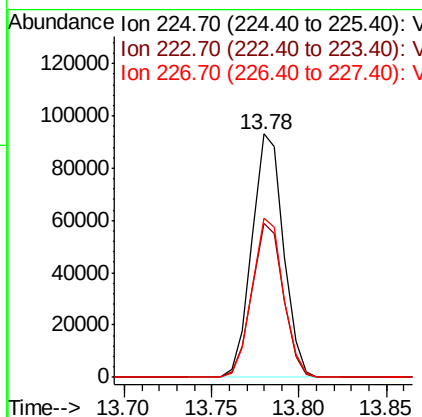
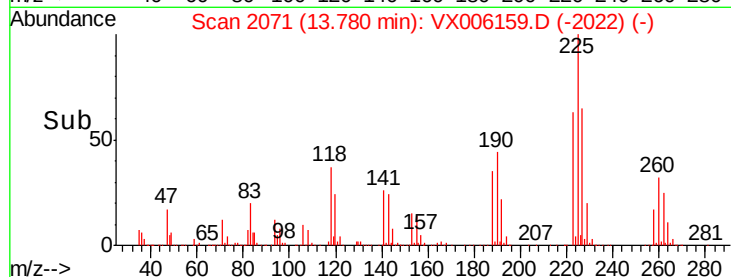
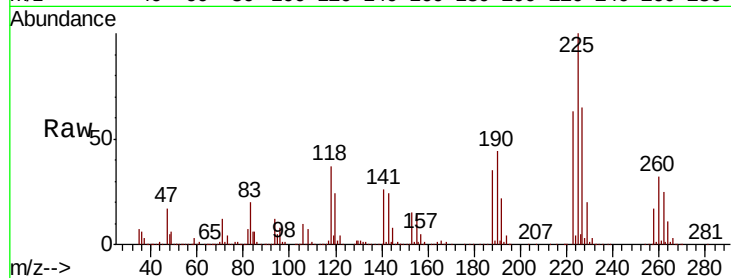
ClientSampleId :

MMTW-01MS

Tot Ion:	225	Resp:	116484
Ion Ratio	Lower	Upper	
225	100		
223	63.1	31.2	93.6
227	64.9	32.4	97.2

Manual Integrations
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#95

Naphthalene

Concen: 57.339 ug/l

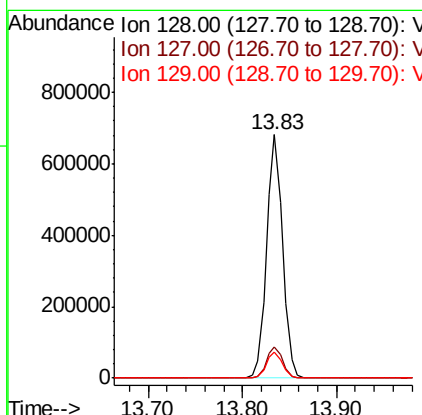
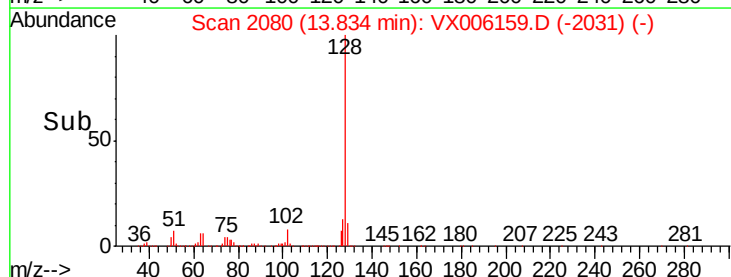
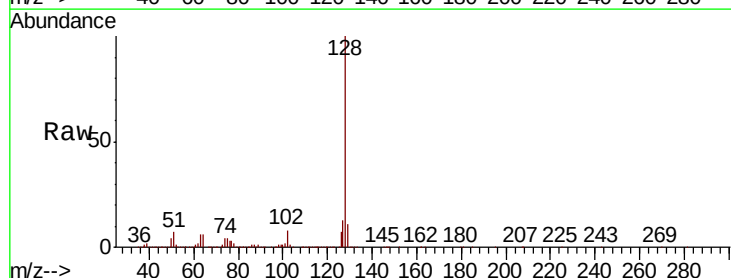
RT: 13.83 min Scan# 2080

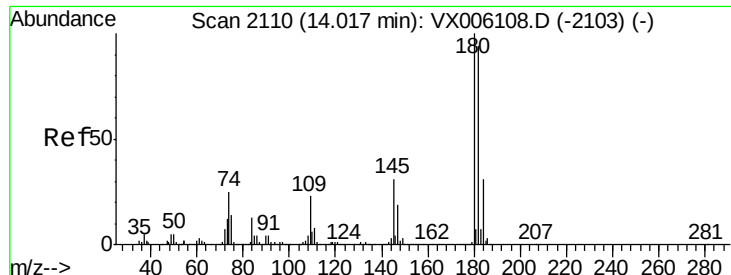
Delta R.T. 0.00 min

Lab File: VX006159.D

Acq: 22 Nov 2018 08:02

Tgt Ion:	128	Resp:	817405
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	11.0	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 53.697 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX006159.D
 Acq: 22 Nov 2018 08:02

Instrument :
 MSVOA_X
 ClientSampleId :
 MMTW-01MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.7	47.5	142.5
145	29.4	15.0	45.0

Manual Integrations
 APPROVED

MMDadoda
 11/26/2018 9:49:20 AM

