

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX060218\
 Data File : VX002249.D
 Acq On : 02 Jun 2018 19:37
 Operator : JC/MD
 Sample : J3234-02MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LF6-0050MS

Manual Integrations
 APPROVED

MMDadoda
 6/4/2018 2:31:52 PM

Quant Time: Jun 04 07:43:58 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	146664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	252400	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	253027	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	173992	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	171007	65.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.46%	
35) Dibromofluoromethane	5.51	113	125125	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
50) Toluene-d8	8.72	98	452347	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
62) 4-Bromofluorobenzene	11.14	95	181520	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	44560	23.187	ug/l	98
3) Chloromethane	1.32	50	114166	50.593	ug/l	99
4) Vinyl Chloride	1.41	62	103582	47.540	ug/l	100
5) Bromomethane	1.64	94	75232	75.504	ug/l	98
6) Chloroethane	1.71	64	83140	64.729	ug/l	100
7) Trichlorofluoromethane	1.92	101	139026	42.488	ug/l	99
8) Diethyl Ether	2.19	74	275455	232.018	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	65191	35.704	ug/l	97
10) Methyl Iodide	2.51	142	151660	61.387	ug/l	97
11) Tert butyl alcohol	3.09	59	191814	372.740	ug/l	98
12) 1,1-Dichloroethene	2.37	96	90974	53.217	ug/l	95
13) Acrolein	2.30	56	62189	279.504	ug/l	99
14) Allyl chloride	2.73	41	235849	65.726	ug/l	97
15) Acrylonitrile	3.15	53	432516	408.719	ug/l	99
16) Acetone	2.45	43	398709	394.073	ug/l	100
17) Carbon Disulfide	2.57	76	196028	39.844	ug/l	98
18) Methyl Acetate	2.78	43	215780	89.428	ug/l	99
19) Methyl tert-butyl Ether	3.21	73	512867	79.767	ug/l	100
20) Methylene Chloride	2.86	84	145813	84.382	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	112271	68.029	ug/l	98
22) Diisopropyl ether	3.88	45	470713	64.490	ug/l	99
23) Vinyl Acetate	3.83	43	2032791	335.905	ug/l	99
24) 1,1-Dichloroethane	3.70	63	265955	76.706	ug/l	99
25) 2-Butanone	4.71	43	576562	310.919	ug/l	99
26) 2,2-Dichloropropane	4.59	77	139181	39.659	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	133016	59.671	ug/l	91
28) Bromochloromethane	5.03	49	121893	85.100	ug/l	98
29) Tetrahydrofuran	5.17	42	405120	335.784	ug/l	99
30) Chloroform	5.22	83	243491	62.334	ug/l	100
31) Cyclohexane	5.58	56	110015	30.455	ug/l	99
32) 1,1,1-Trichloroethane	5.50	97	176847	48.562	ug/l	99
36) 1,1-Dichloropropene	5.81	75	132110	37.630	ug/l	97
37) Ethyl Acetate	4.87	43	221519	48.398	ug/l	99
38) Carbon Tetrachloride	5.79	117	135999	33.219	ug/l	96

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Quant Time: Jun 04 07:43:58 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	98931	22.937	ug/l	99
40) Benzene	6.15	78	517014	50.266	ug/l	100
41) Methacrylonitrile	5.07	41	132120	54.832	ug/l	99
42) 1,2-Dichloroethane	6.20	62	223054	54.291	ug/l	99
43) Isopropyl Acetate	6.48	43	376910	49.422	ug/l	100
44) Trichloroethene	7.22	130	131046	43.722	ug/l	96
45) 1,2-Dichloropropane	7.52	63	148756	53.256	ug/l	97
46) Dibromomethane	7.67	93	99415	53.756	ug/l	99
47) Bromodichloromethane	7.90	83	180280	45.719	ug/l	99
48) Methyl methacrylate	7.78	41	195900	50.470	ug/l	97
49) 1,4-Dioxane	7.76	88	66733	975.642	ug/l	98
51) 4-Methyl-2-Pentanone	8.66	43	1267109	275.621	ug/l	99
52) Toluene	8.79	92	321469	49.111	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	211648	46.602	ug/l	98
54) cis-1,3-Dichloropropene	9.05	75	200880	45.392	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	151245	55.310	ug/l	99
56) Ethyl methacrylate	9.19	69	239365	50.892	ug/l	98
57) 1,3-Dichloropropane	9.38	76	249093	55.296	ug/l	100
59) 2-Hexanone	9.50	43	956981	269.967	ug/l	100
60) Dibromochloromethane	9.59	129	151352	46.730	ug/l	100
61) 1,2-Dibromoethane	9.68	107	158499	55.240	ug/l	100
64) Tetrachloroethene	9.34	164	135088	37.236	ug/l	99
65) Chlorobenzene	10.14	112	423181	52.788	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	147688	45.623	ug/l	100
67) Ethyl Benzene	10.26	91	632281	45.395	ug/l	100
68) m/p-Xylenes	10.37	106	492938	92.583	ug/l	98
69) o-Xylene	10.70	106	256096	48.173	ug/l	98
70) Styrene	10.72	104	425884	48.306	ug/l	100
71) Bromoform	10.86	173	117174	38.174	ug/l #	99
73) Isopropylbenzene	11.02	105	616269	41.827	ug/l	99
74) N-amyl acetate	6.48	43	376910	49.266	ug/l #	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	230820	57.469	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	232216m	55.565	ug/l	
77) Bromobenzene	11.26	156	190073	48.623	ug/l	96
78) n-propylbenzene	11.37	91	675355	40.926	ug/l	99
79) 2-Chlorotoluene	11.43	91	447847	49.447	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	537879	42.718	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.08	75	59666	34.313	ug/l	87
82) 4-Chlorotoluene	11.52	91	525818	45.178	ug/l	99
83) tert-Butylbenzene	11.77	119	515091	41.688	ug/l	97
84) 1,2,4-Trimethylbenzene	11.81	105	571173	43.896	ug/l	99
85) sec-Butylbenzene	11.95	105	577664	38.892	ug/l	100
86) p-Isopropyltoluene	12.07	119	538993	40.553	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	330383	47.193	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	352161	50.315	ug/l	99
89) n-Butylbenzene	12.39	91	430626	38.237	ug/l	99
90) Hexachloroethane	12.60	117	85562	32.636	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	354163	49.652	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.01	75	52140	39.803	ug/l	100
93) 1,2,4-Trichlorobenzene	13.65	180	234988	46.071	ug/l	100

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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
Quant Title : SW846 8260
QLast Update : Thu May 24 13:09:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.79	225	97657	35.593	ug/l	99
95) Naphthalene	13.84	128	781927	49.759	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	256739	48.646	ug/l	100

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



#1

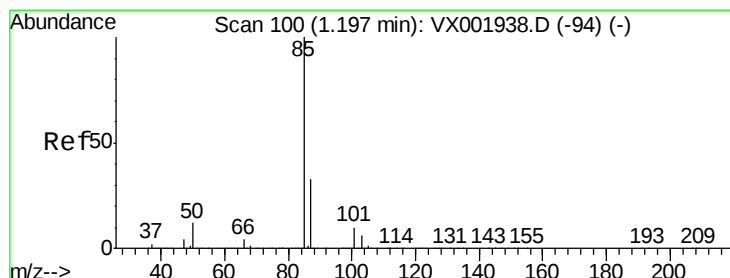
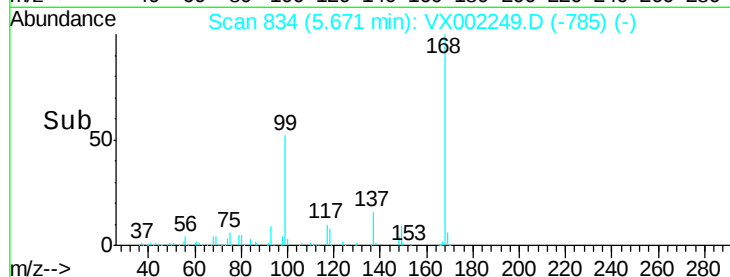
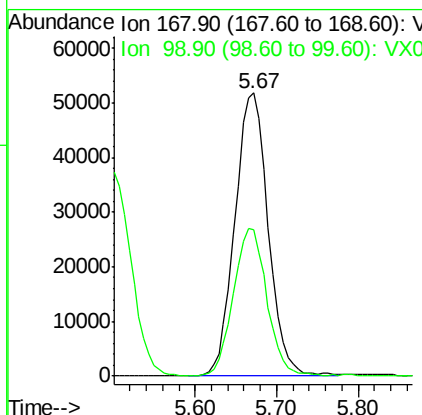
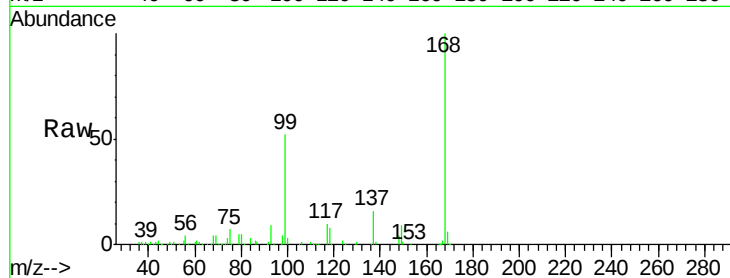
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
LF6-0050MS

Tot Ion	Ratio	Lower	Upper
168	100		
99	51.7	41.0	61.4

Manual Integrations
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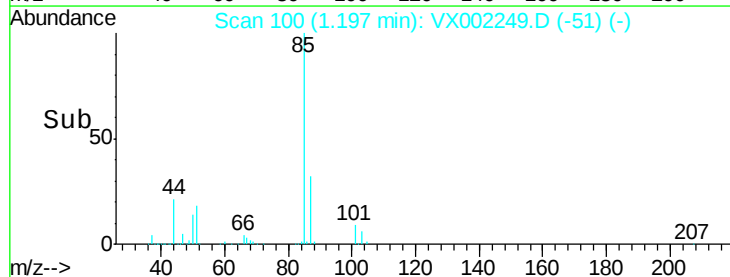
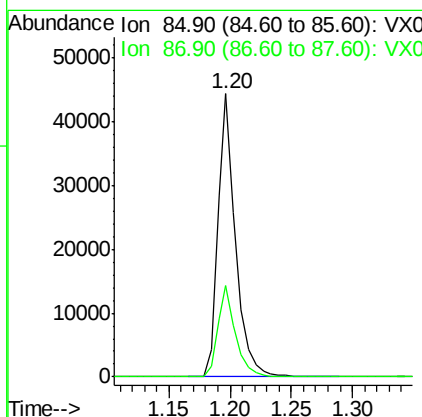
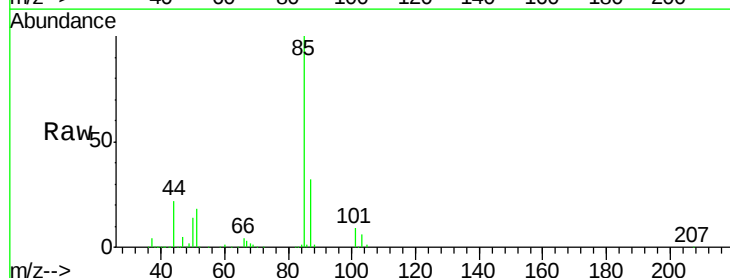
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#2

Dichlorodifluoromethane
Concen: 23.187 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.7	50.0





#3

Chloromethane

Concen: 50.593 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

LF6-0050MS

Tot Ion: 50 Resp: 114166

Ion Ratio Lower Upper

50 100

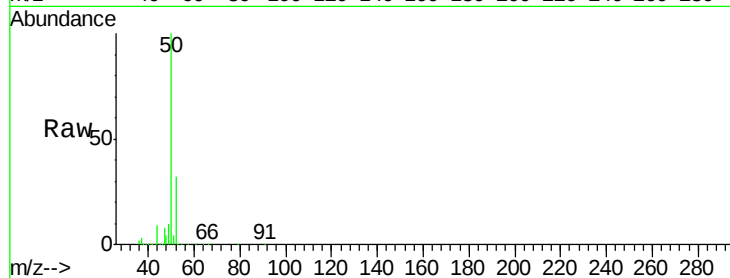
52 32.1 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

120000

100000

80000

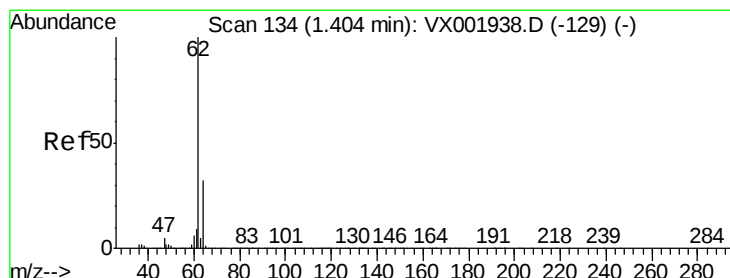
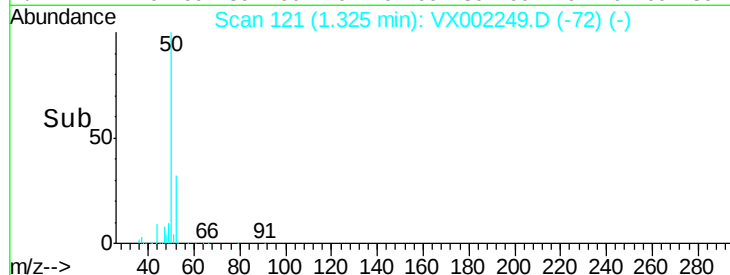
60000

40000

20000

0

Time--> 1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 47.540 ug/l

RT: 1.41 min Scan# 135

Delta R.T. 0.01 min

Lab File: VX002249.D

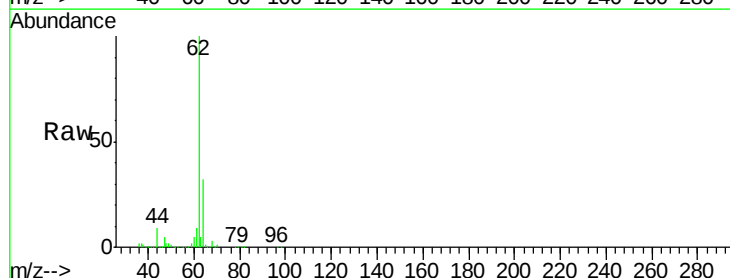
Acq: 02 Jun 2018 19:37

Tgt Ion: 62 Resp: 103582

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.41

100000

80000

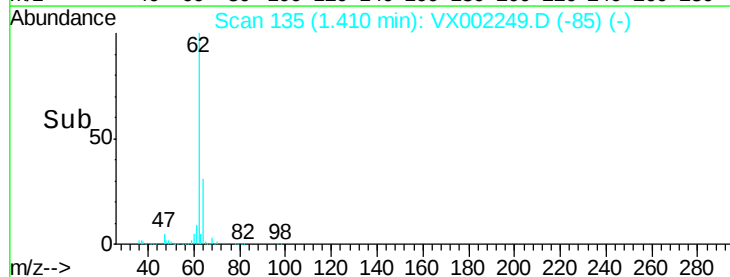
60000

40000

20000

0

Time--> 1.30 1.40 1.50





#5

Bromomethane

Concen: 75.504 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

LF6-0050MS

Tot Ion: 94 Resp: 75232

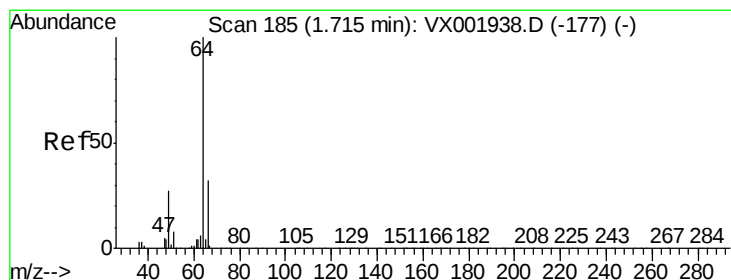
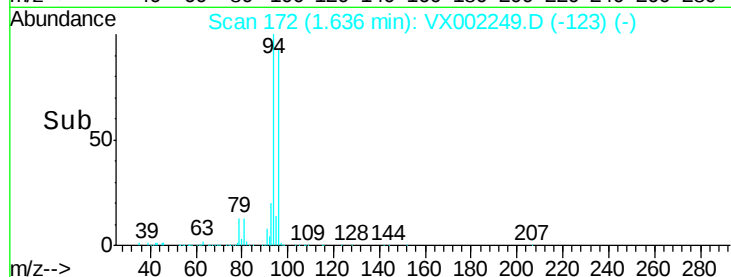
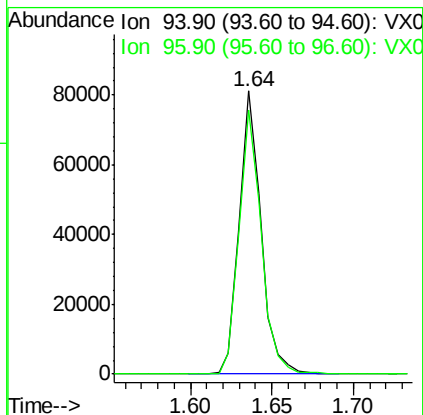
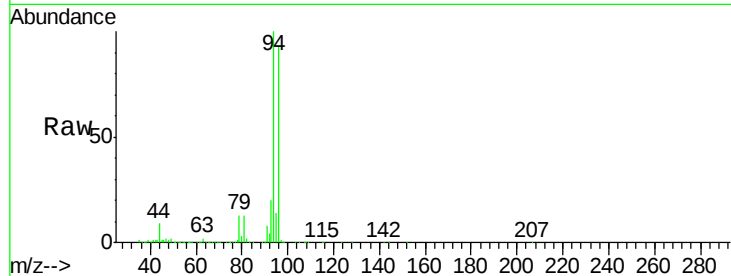
Ion Ratio Lower Upper

94 100

96 93.3 75.9 113.9

Manual Integrations
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#6

Chloroethane

Concen: 64.729 ug/l

RT: 1.71 min Scan# 185

Delta R.T. -0.00 min

Lab File: VX002249.D

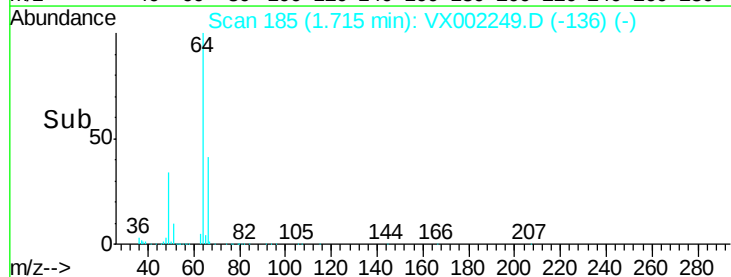
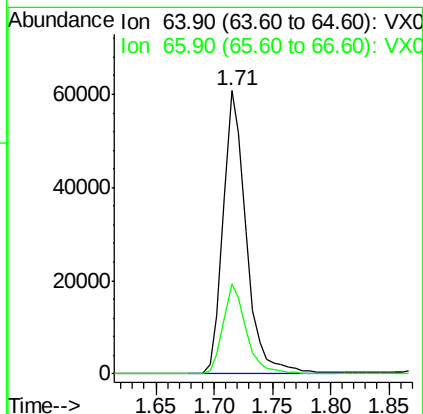
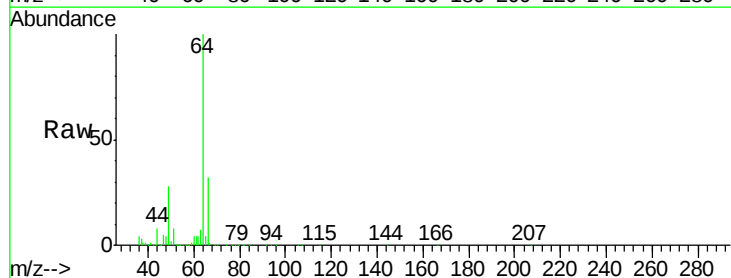
Acq: 02 Jun 2018 19:37

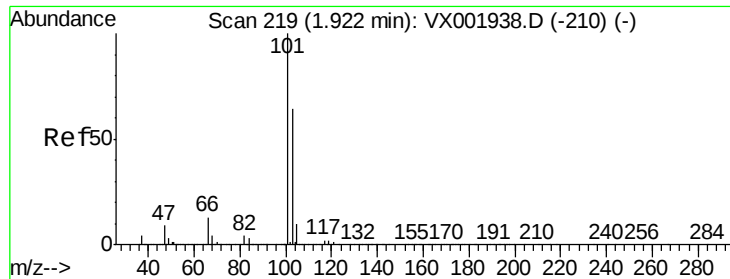
Tgt Ion: 64 Resp: 83140

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4





#7

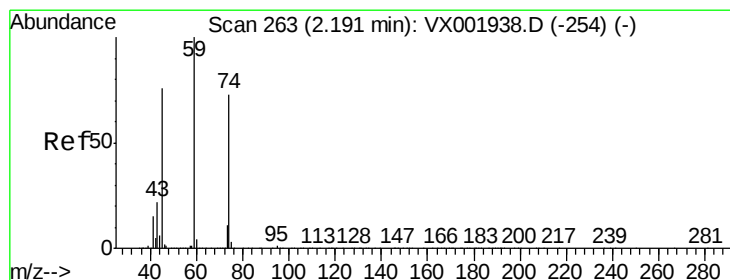
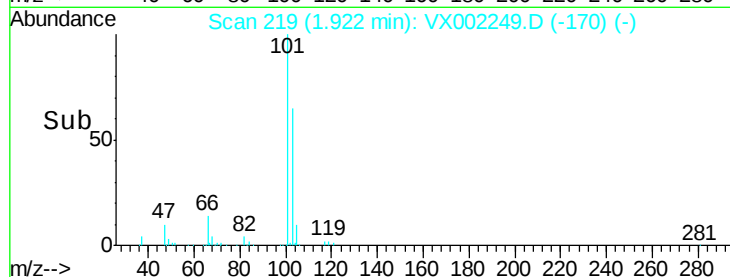
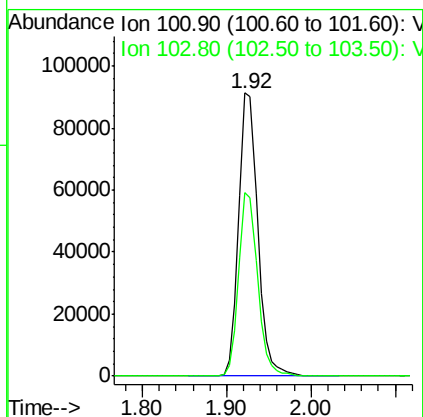
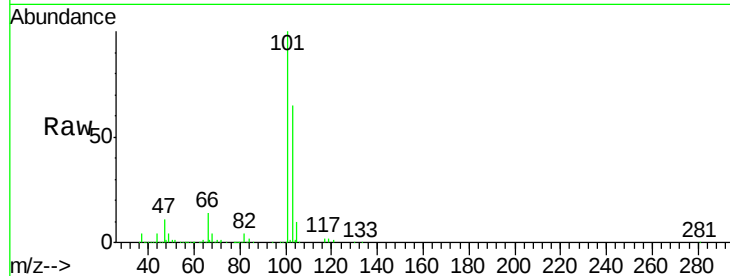
Trichlorofluoromethane
Concen: 42.488 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Instrument :
MSVOA_X
ClientSampled :
LF6-0050MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.4	77.0

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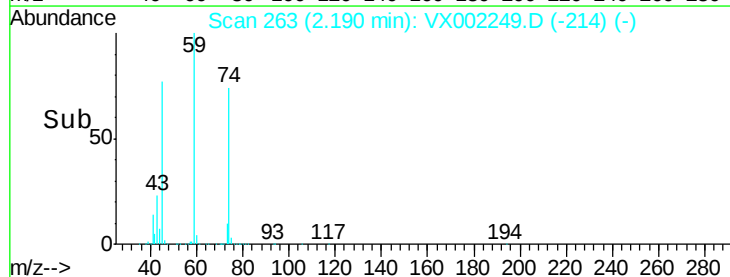
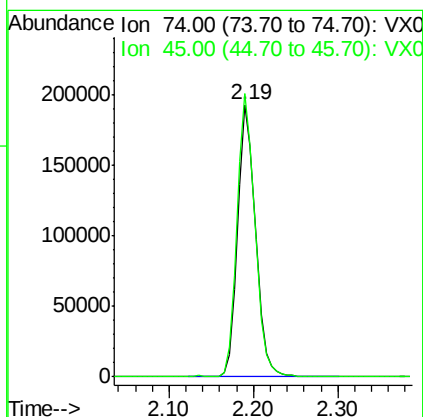
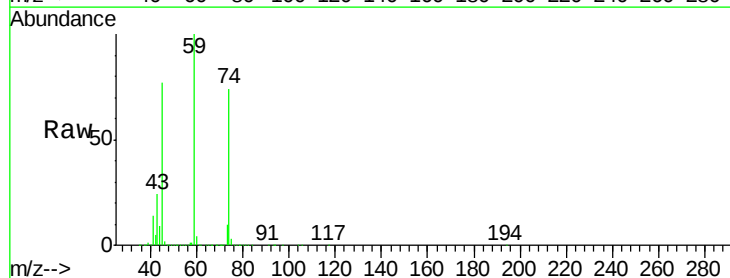
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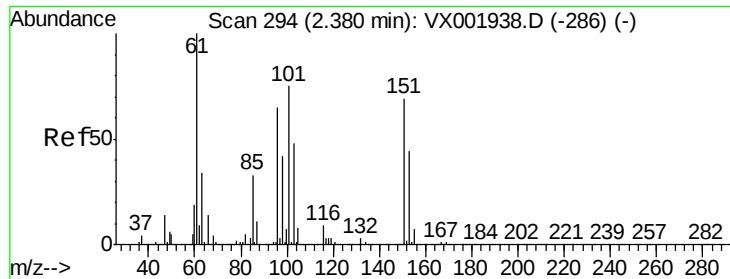


#8

Diethyl Ether
Concen: 232.018 ug/l
RT: 2.19 min Scan# 263
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.0	51.5	154.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 35.704 ug/l

RT: 2.38 min Scan# 294

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

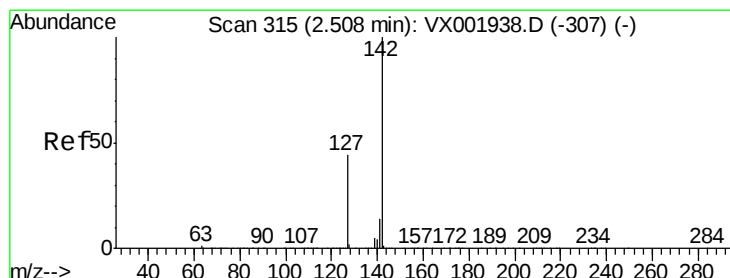
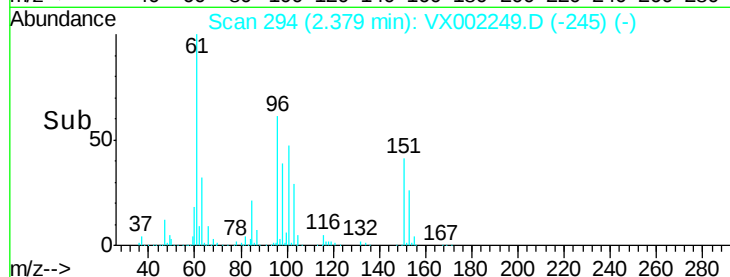
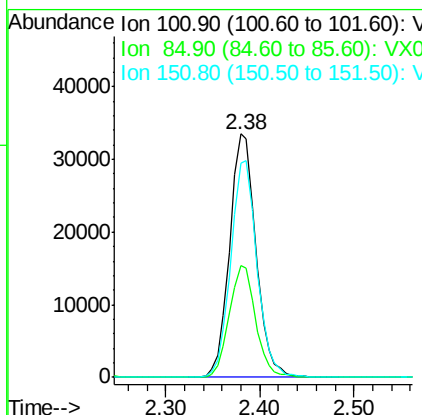
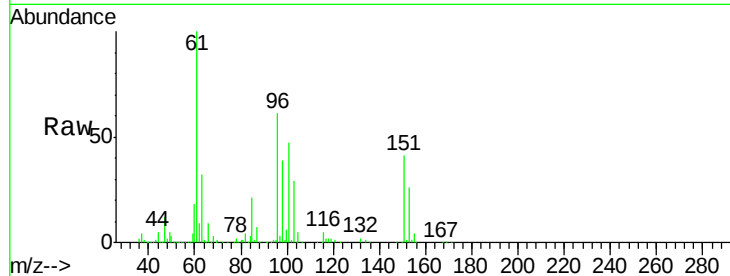
ClientSampleId :

LF6-0050MS

Tot Ion:	101	Resp:	65191
Ion Ratio	Lower	Upper	
101	100		
85	46.1	35.6	53.4
151	89.0	73.2	109.8

Manual Integrations
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#10

Methyl Iodide

Concen: 61.387 ug/l

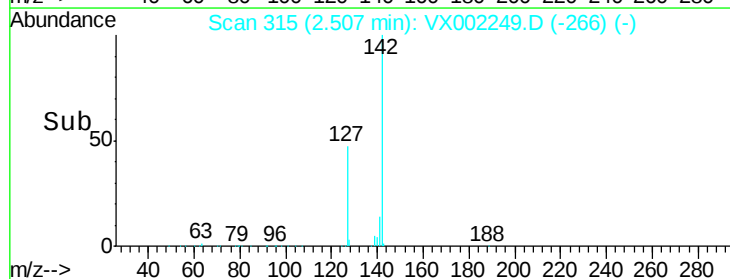
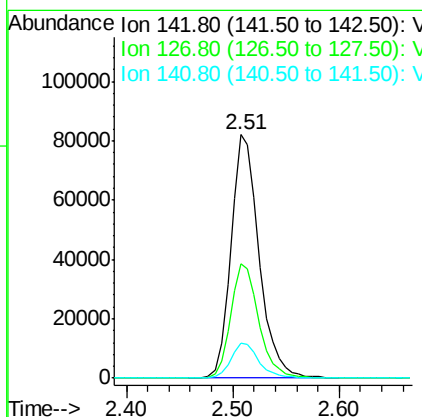
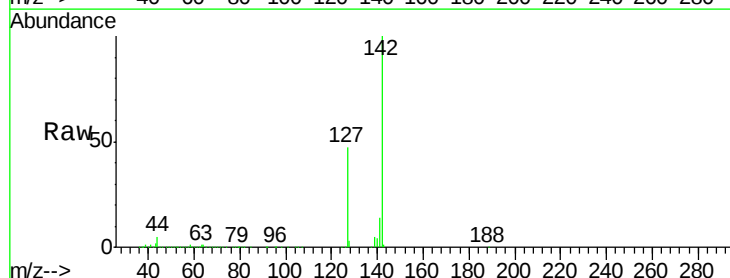
RT: 2.51 min Scan# 315

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Tgt Ion:	142	Resp:	151660
Ion Ratio	Lower	Upper	
142	100		
127	47.2	35.5	53.3
141	14.4	11.3	16.9





#11

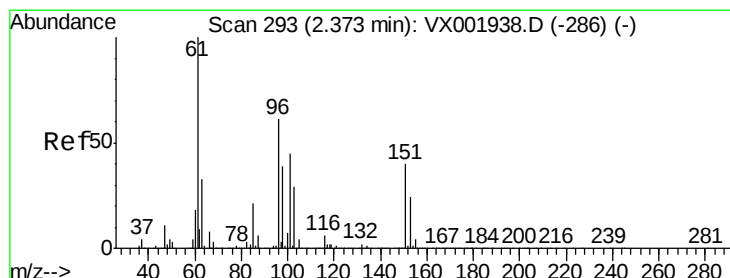
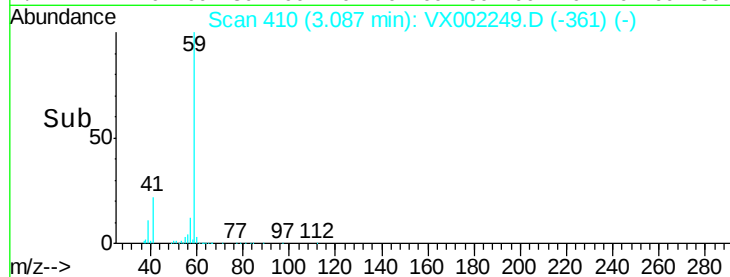
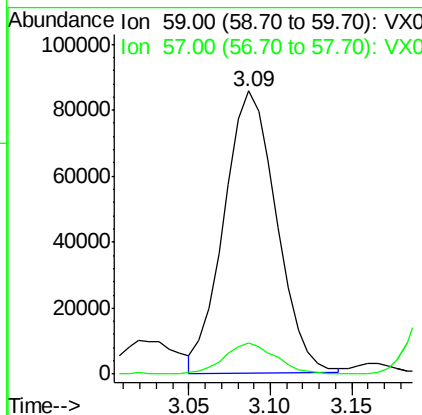
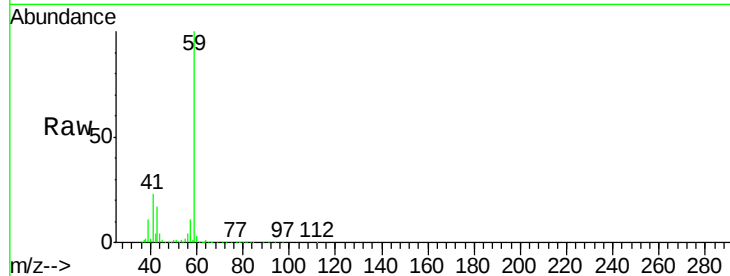
Tert butyl alcohol
Concen: 372.740 ug/l
RT: 3.09 min Scan# 410
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
LF6-0050MS

Tot Ion	Ratio	Resp	Lower	Upper
59	100	191814		
57	10.4	8.9	13.3	

Manual Integrations
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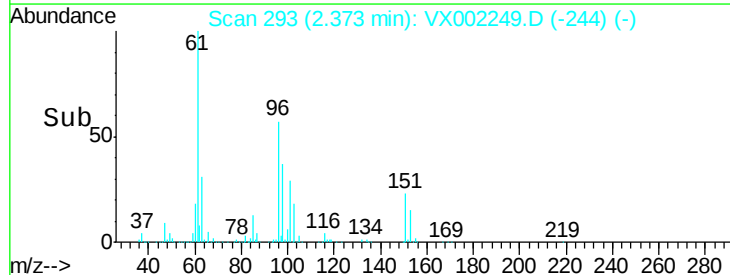
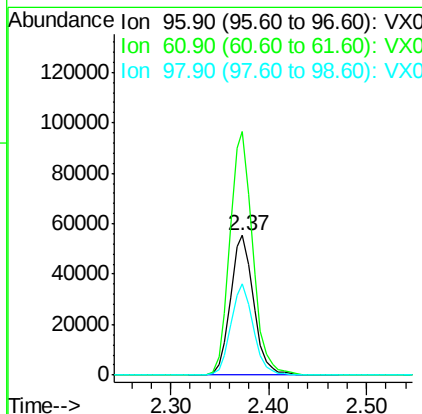
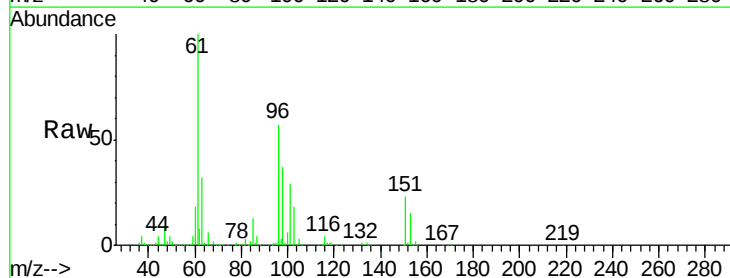
MMDadoda
6/4/2018 2:31:52 PM



#12

1,1-Dichloroethene
Concen: 53.217 ug/l
RT: 2.37 min Scan# 293
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	90974		
61	174.2	131.7	197.5	
98	64.9	51.6	77.4	





#13

Acrolein

Concen: 279.504 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

ClientSampled :

LF6-0050MS

Tot Ion: 56 Resp: 62189

Ion Ratio Lower Upper

56 100

55 71.7

56.8

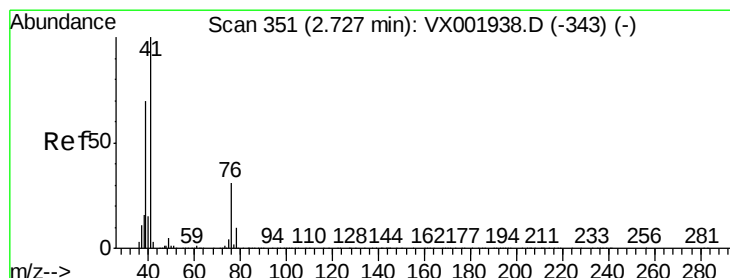
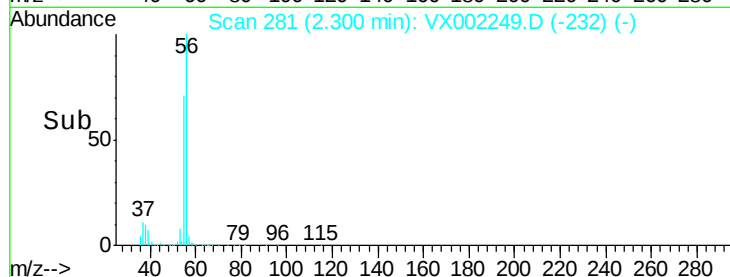
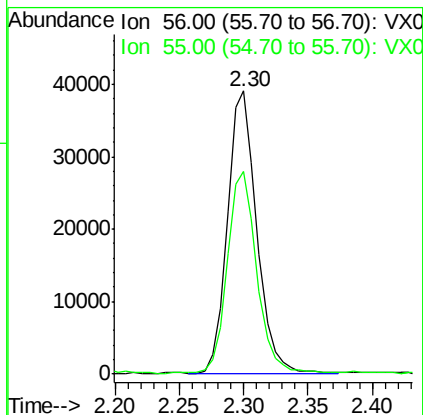
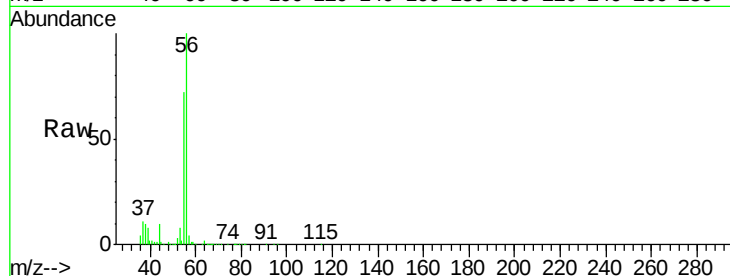
85.2

Manual Integrations

APPROVED

MMDadoda

6/4/2018 2:31:52 PM



#14

Allyl chloride

Concen: 65.726 ug/l

RT: 2.73 min Scan# 351

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Tgt Ion: 41 Resp: 235849

Ion Ratio Lower Upper

41 100

39 70.1

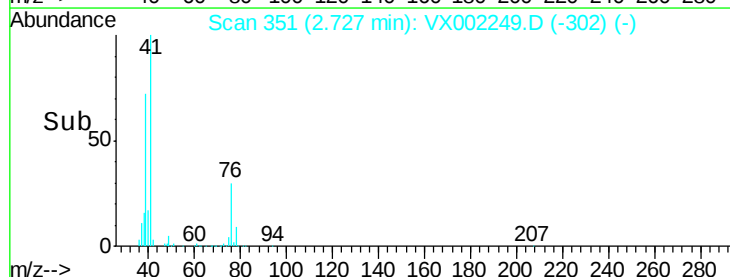
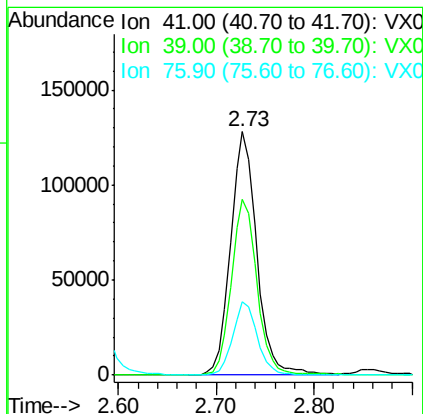
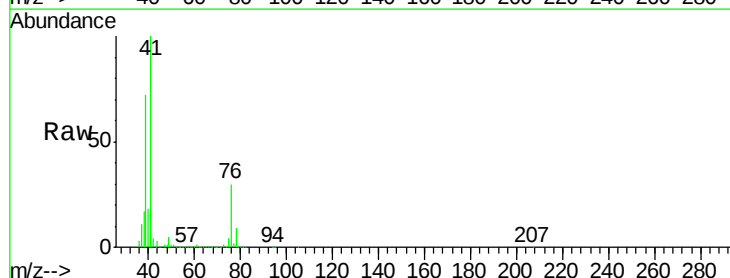
54.3

81.5

76 28.8

24.2

36.4





#15

Acrylonitrile

Concen: 408.719 ug/l

RT: 3.15 min Scan# 421

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

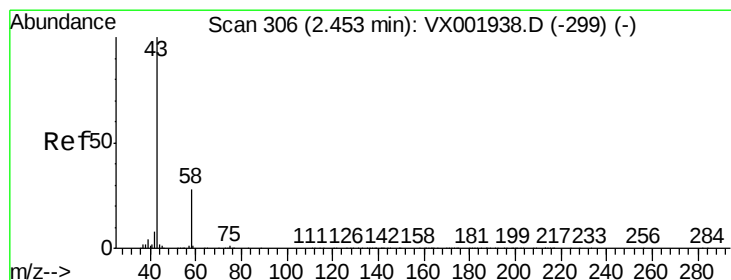
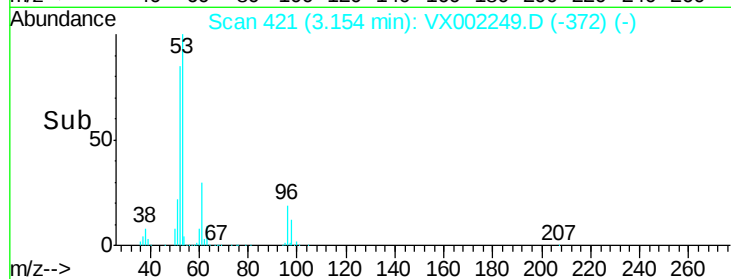
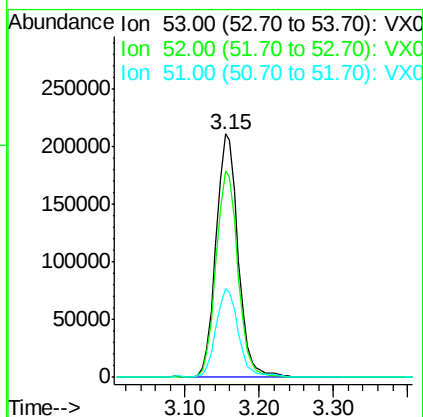
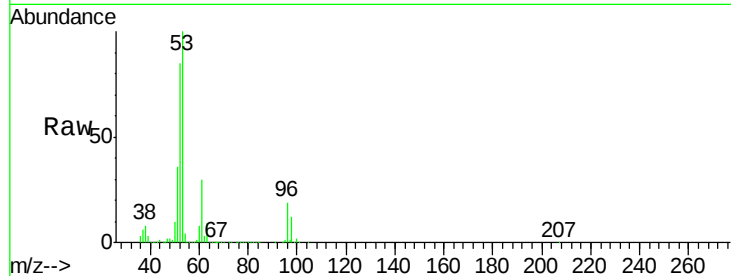
ClientSampled :

LF6-0050MS

Tot Ion:	53	Resp:	432516
Ion Ratio		Lower	Upper
53	100		
52	83.6	66.4	99.6
51	36.8	29.3	43.9

Manual Integrations
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6/4/2018 2:31:52 PM



#16

Acetone

Concen: 394.073 ug/l

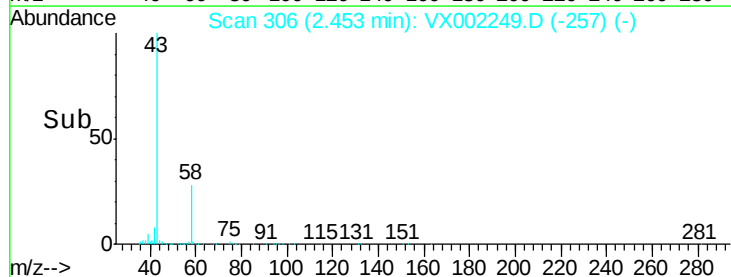
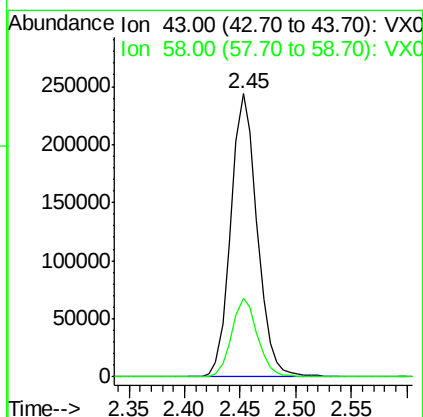
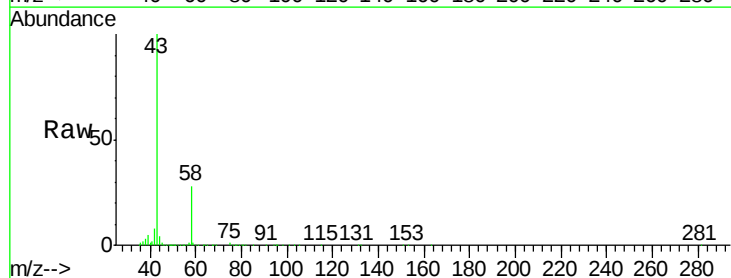
RT: 2.45 min Scan# 306

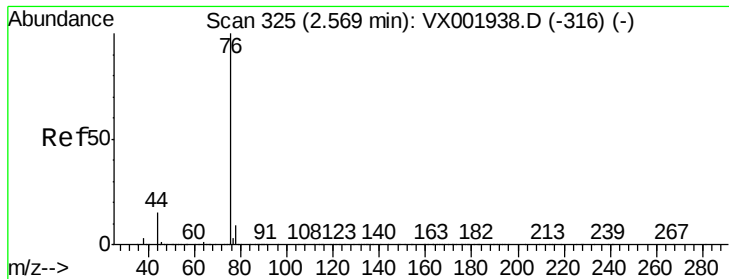
Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Tgt Ion:	43	Resp:	398709
Ion Ratio		Lower	Upper
43	100		
58	27.7	22.3	33.5





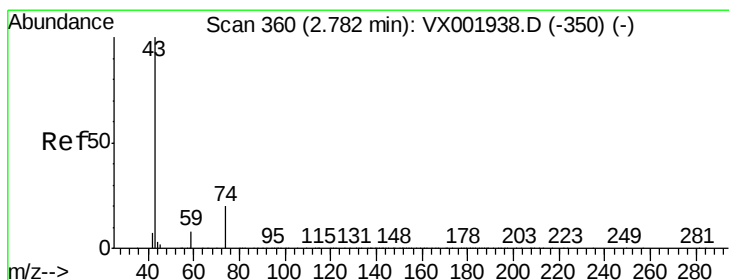
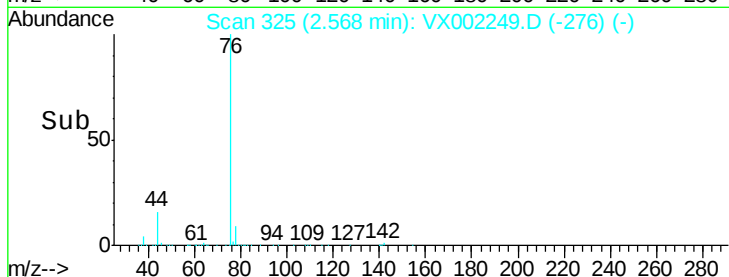
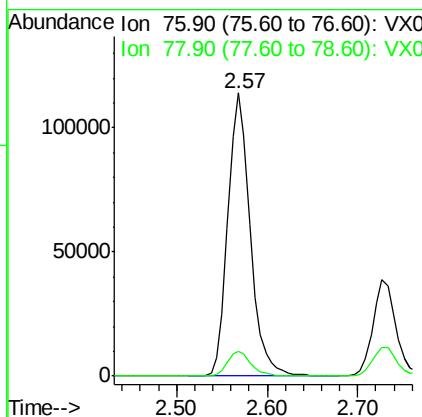
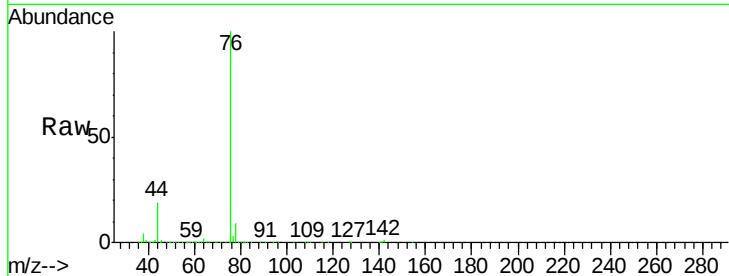
#17
Carbon Disulfide
Concen: 39.844 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
LF6-0050MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.2

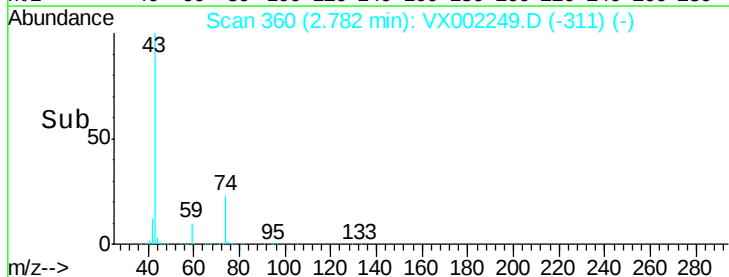
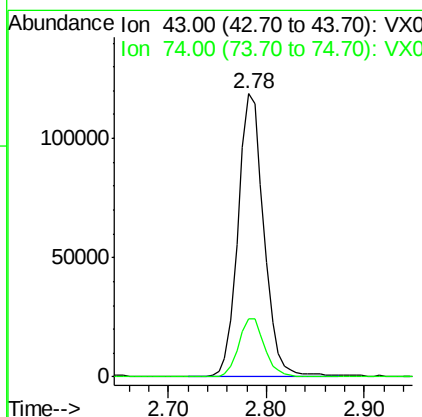
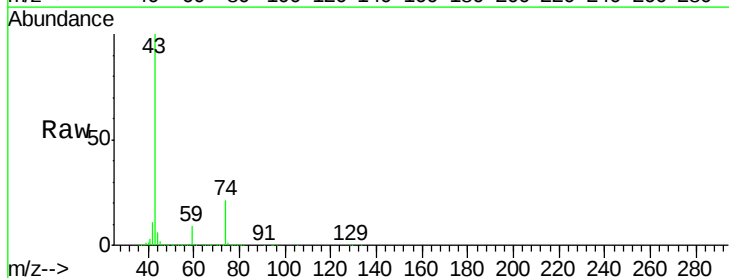
Manual Integrations
APPROVED

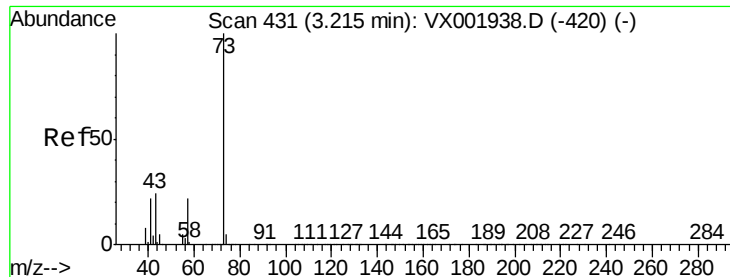
MMDadoda
6/4/2018 2:31:52 PM



#18
Methyl Acetate
Concen: 89.428 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.7	16.8	25.2





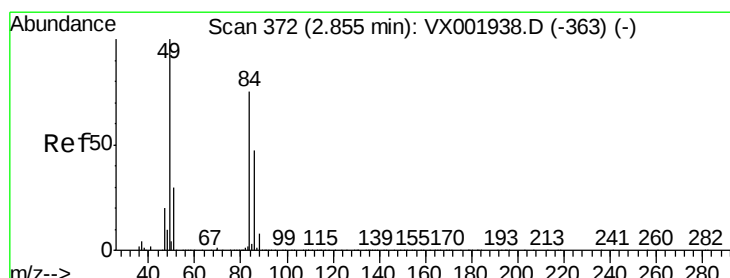
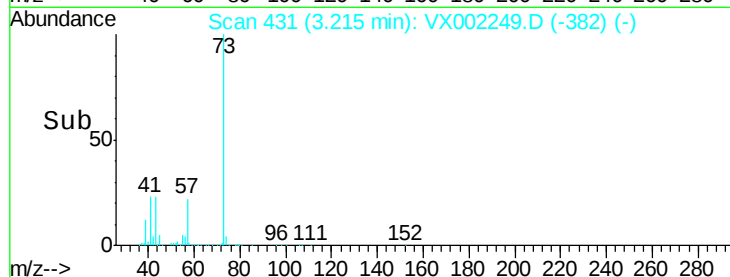
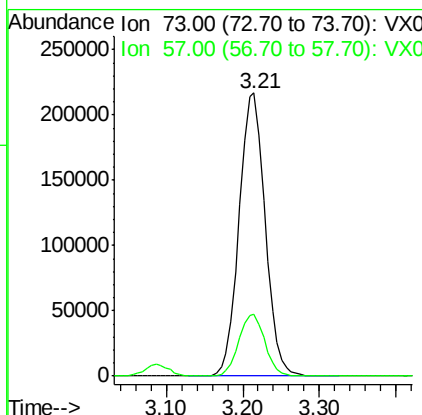
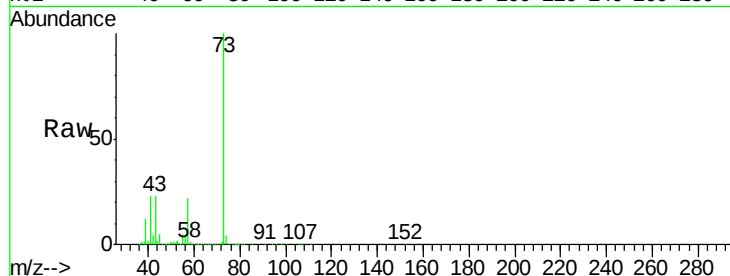
#19
Methvl tert-butvl Ether
Concen: 79.767 ug/l
RT: 3.21 min Scan# 431
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
LF6-0050MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.4	26.0

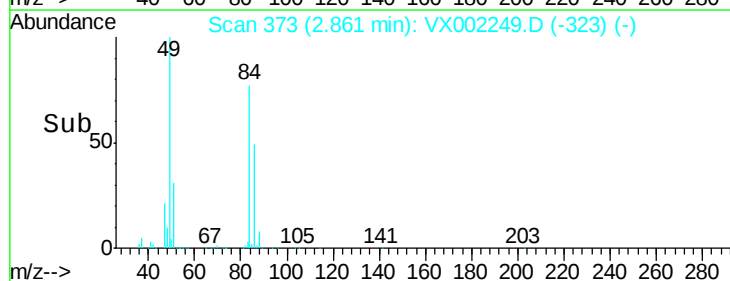
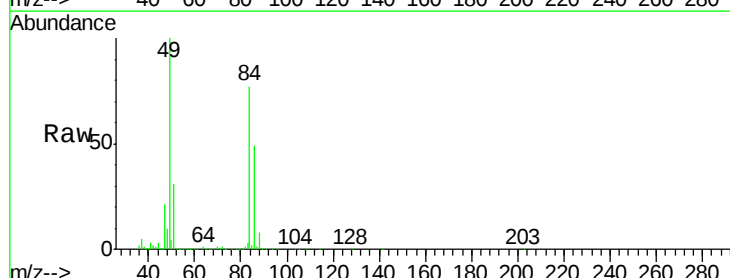
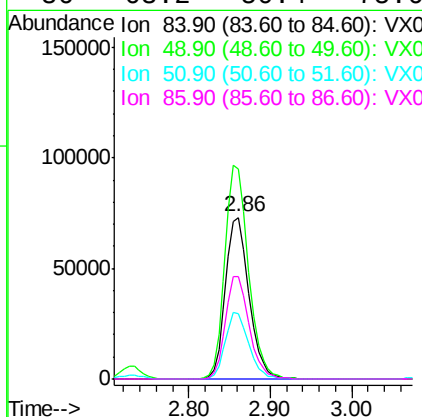
Manual Integrations
APPROVED

MMDadoda
6/4/2018 2:31:52 PM



#20
Methylene Chloride
Concen: 84.382 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	130.0	107.2	160.8
51	39.8	32.4	48.6
86	63.2	50.4	75.6





#21

trans-1,2-Dichloroethene

Concen: 68.029 ug/l

RT: 3.17 min Scan# 423

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

ClientSampled :

LF6-0050MS

Tot Ion: 96 Resp: 112271

Ion Ratio Lower Upper

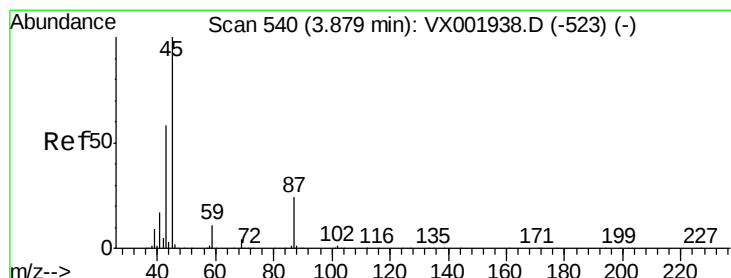
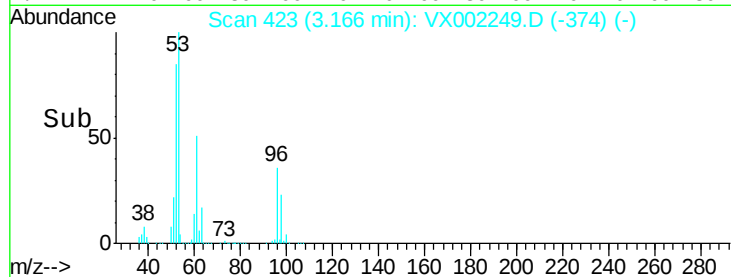
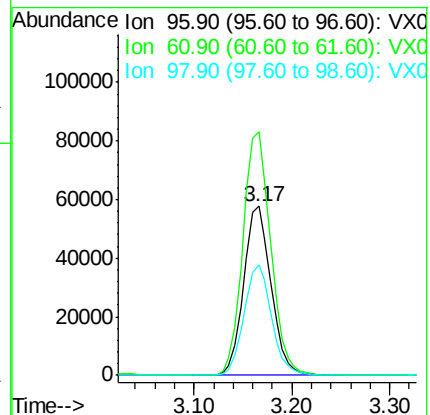
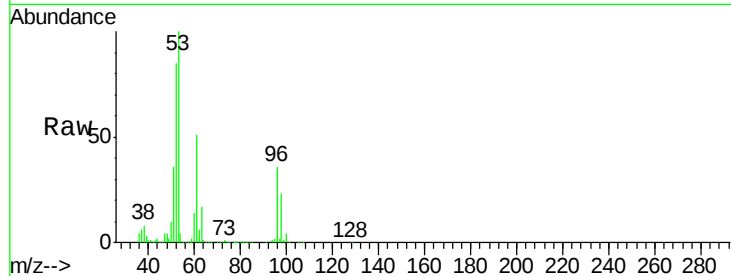
96 100

61 143.8 113.3 169.9

98 65.4 51.7 77.5

Manual Integrations
APPROVED

MMDadoda
6/4/2018 2:31:52 PM



#22

Diisopropyl ether

Concen: 64.490 ug/l

RT: 3.88 min Scan# 540

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Tgt Ion: 45 Resp: 470713

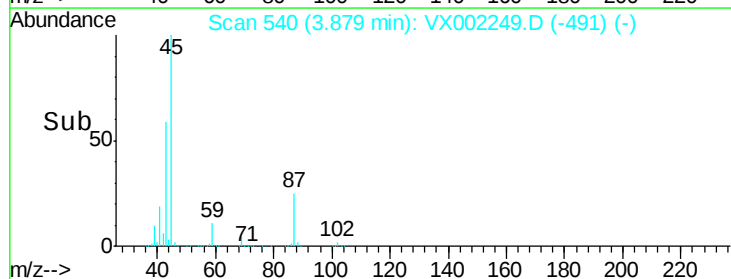
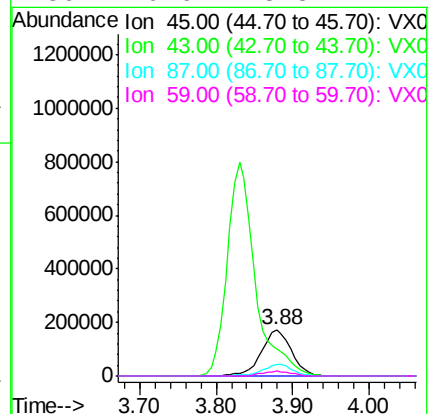
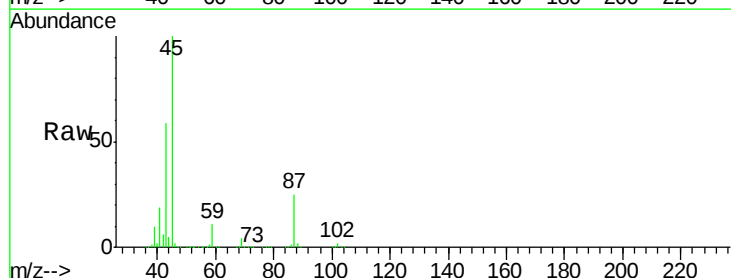
Ion Ratio Lower Upper

45 100

43 59.2 47.0 70.6

87 24.8 19.4 29.0

59 10.6 8.5 12.7





#23

Vinyl Acetate

Concen: 335.905 ug/l

RT: 3.83 min Scan# 532

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

LF6-0050MS

Tot Ion: 43 Resp: 2032791

Ion Ratio Lower Upper

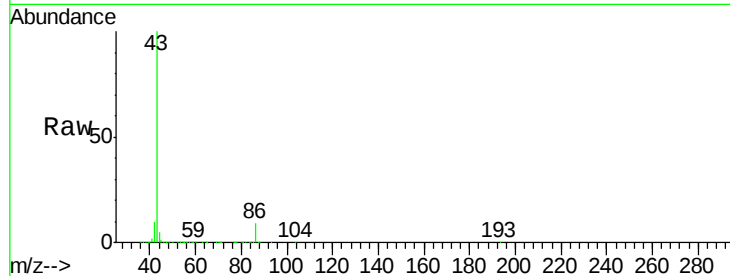
43 100

86 9.1 7.6 11.4

Manual Integrations
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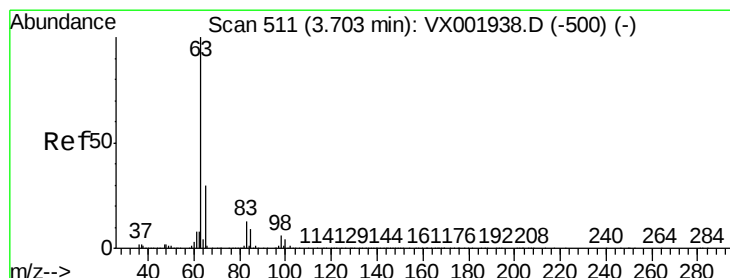
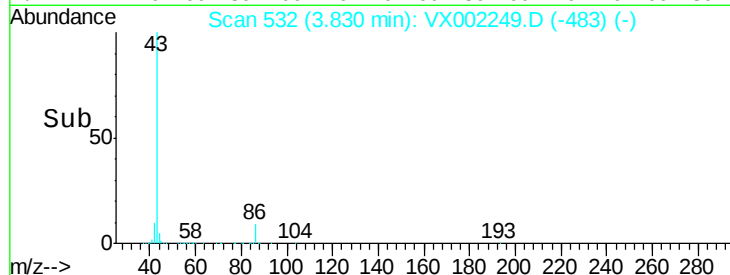
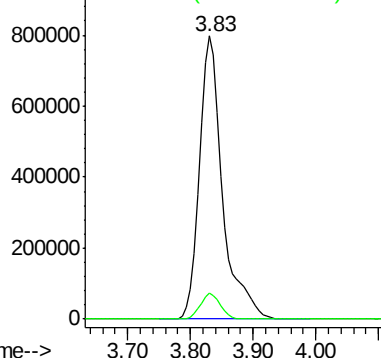
MMDadoda

6/4/2018 2:31:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 76.706 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

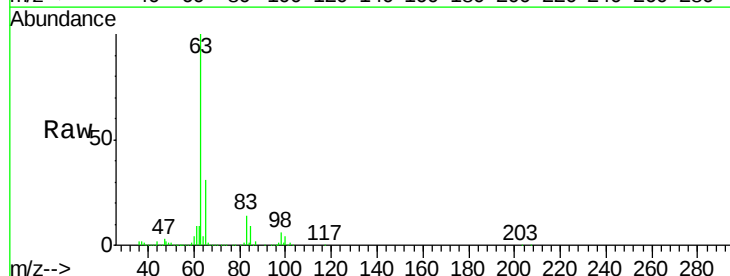
Tgt Ion: 63 Resp: 265955

Ion Ratio Lower Upper

63 100

98 6.2 3.3 9.8

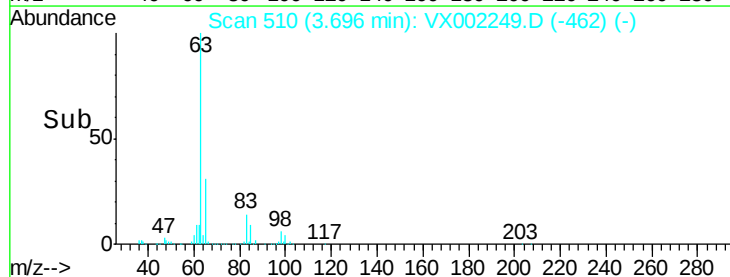
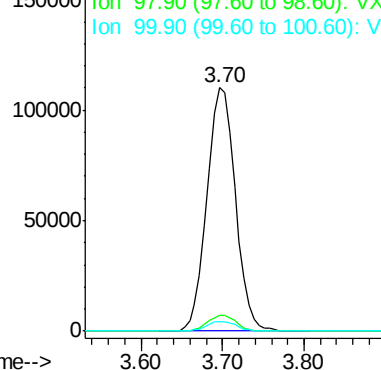
100 4.0 2.1 6.5

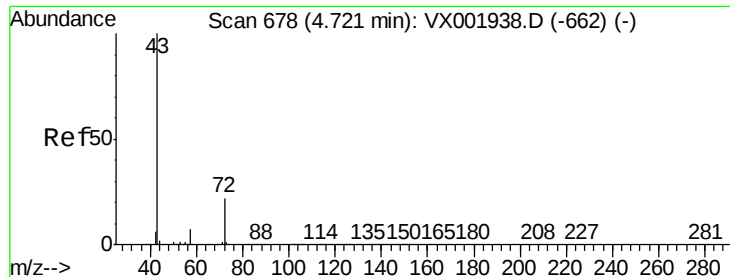


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 310.919 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

LF6-0050MS

Tot Ion: 43 Resp: 576562

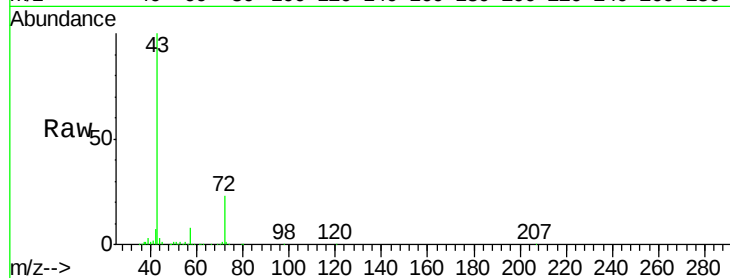
Ion Ratio Lower Upper

43 100

72 23.0 17.9 26.9

Manual Integrations
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6/4/2018 2:31:52 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

200000

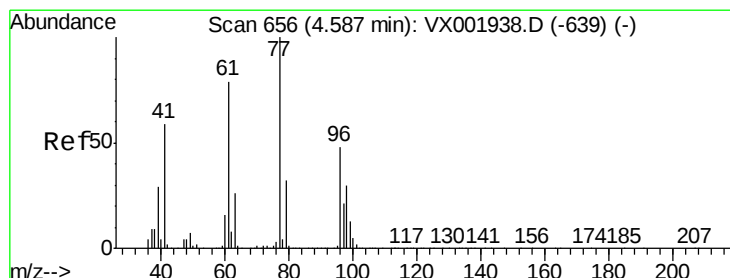
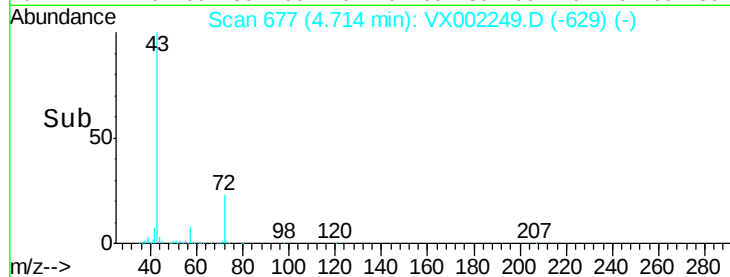
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 39.659 ug/l

RT: 4.59 min Scan# 656

Delta R.T. -0.00 min

Lab File: VX002249.D

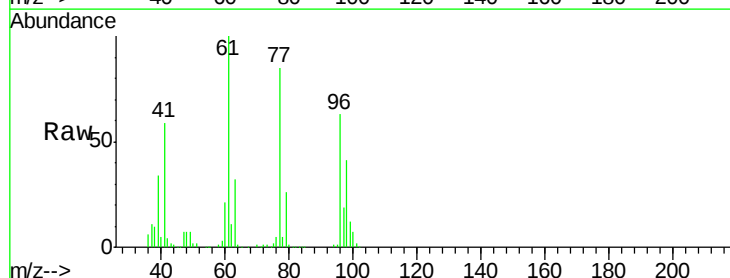
Acq: 02 Jun 2018 19:37

Tgt Ion: 77 Resp: 139181

Ion Ratio Lower Upper

77 100

97 23.2 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.59

50000

40000

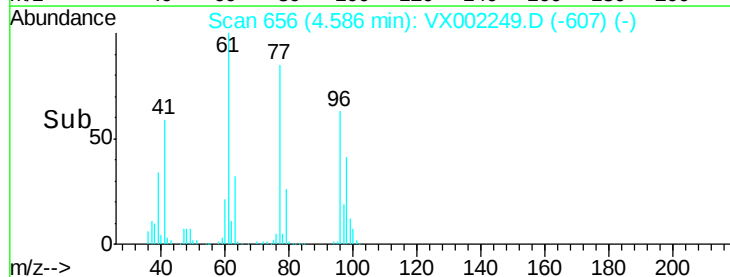
30000

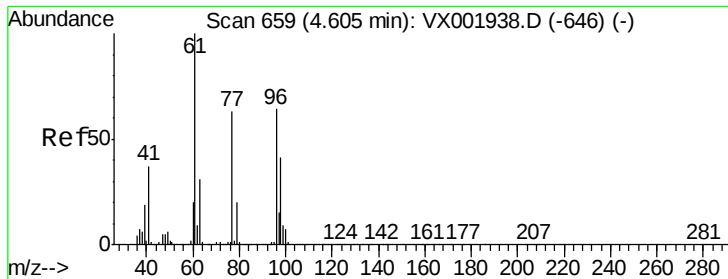
20000

10000

0

Time-->





#27

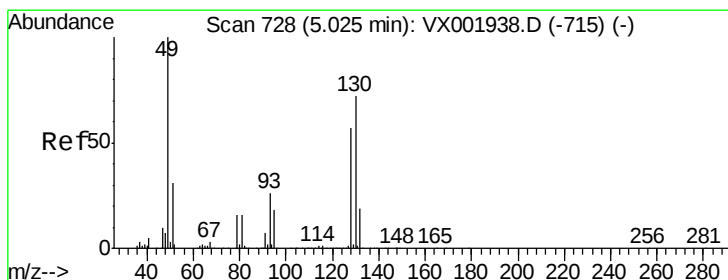
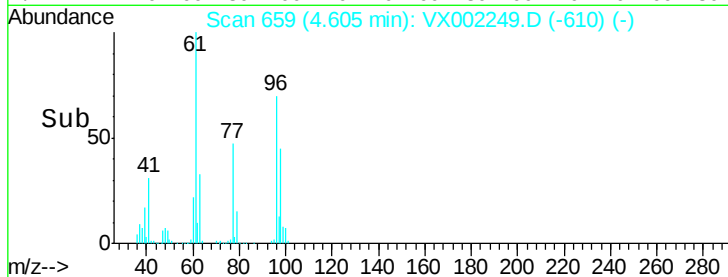
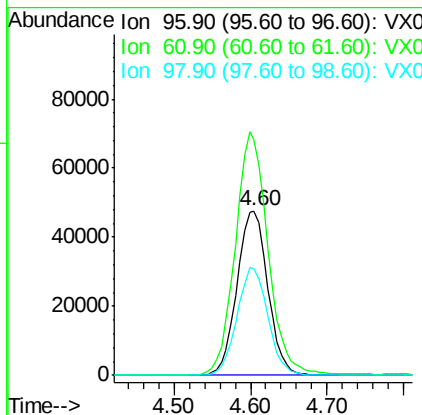
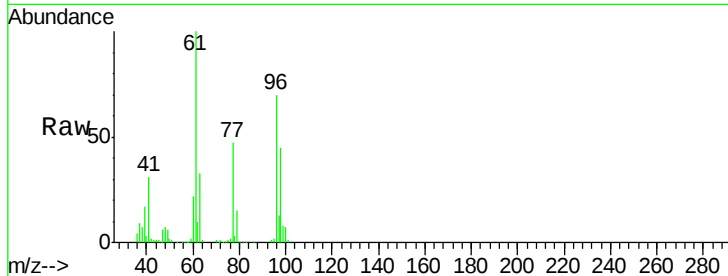
cis-1,2-Dichloroethene
Concen: 59.671 ug/l
RT: 4.60 min Scan# 659
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
LF6-0050MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.2	0.0	348.4
98	65.7	0.0	128.6

Manual Integrations
APPROVED

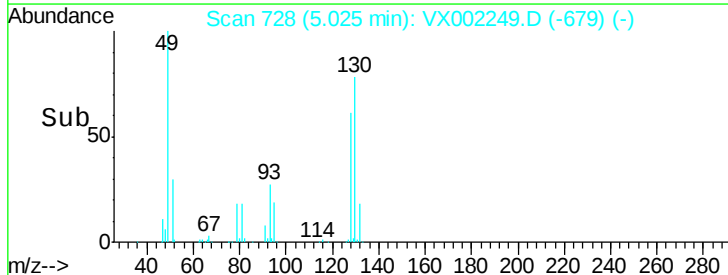
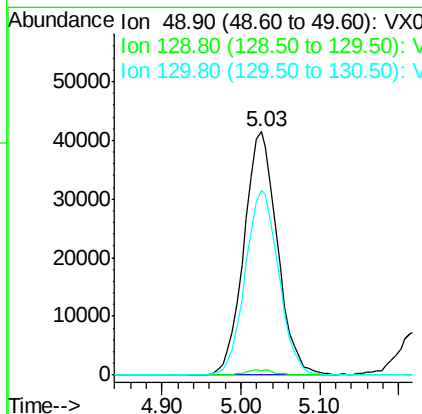
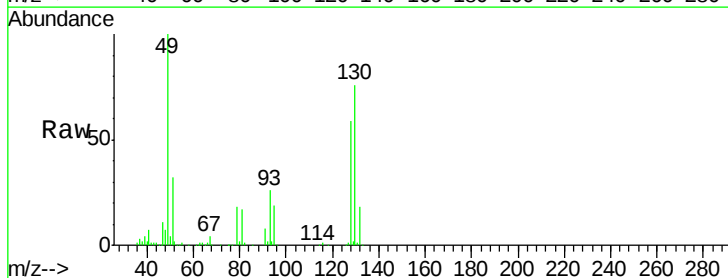
MMDadoda
6/4/2018 2:31:52 PM



#28

Bromochloromethane
Concen: 85.100 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	75.9	59.4	89.2





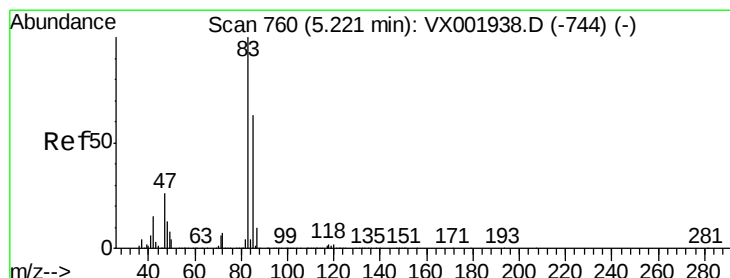
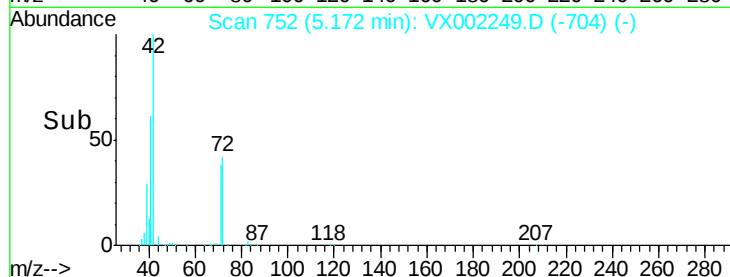
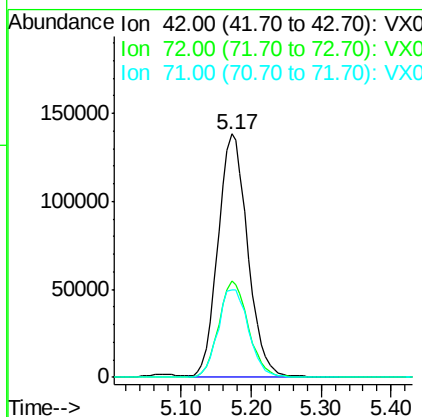
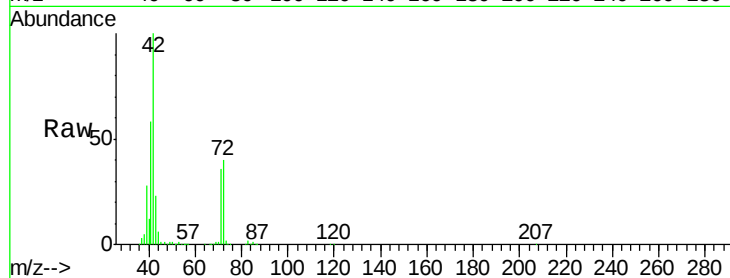
#29
Tetrahydrofuran
Concen: 335.784 ug/l
RT: 5.17 min Scan# 752
Delta R.T. -0.01 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
LF6-0050MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	31.4	47.0
71	37.6	29.5	44.3

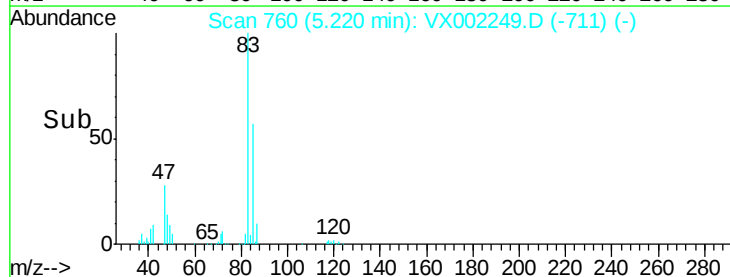
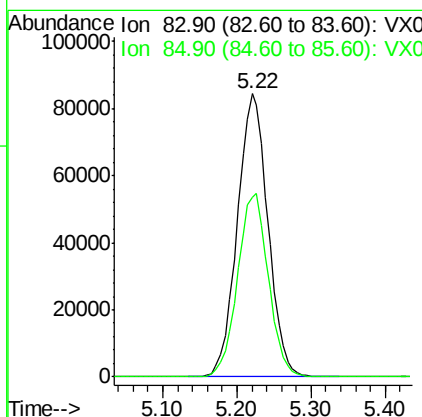
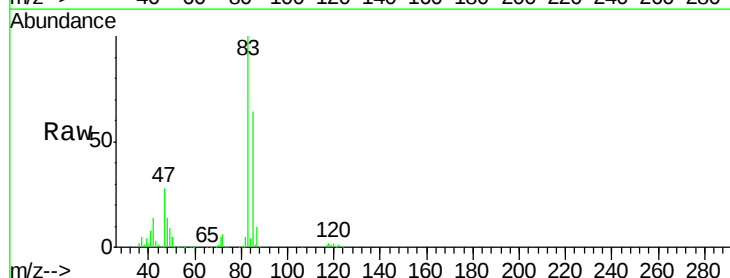
Manual Integrations
APPROVED

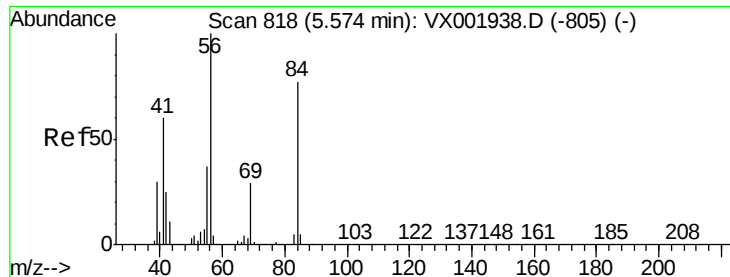
MMDadoda
6/4/2018 2:31:52 PM



#30
Chloroform
Concen: 62.334 ug/l
RT: 5.22 min Scan# 760
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.9	76.3





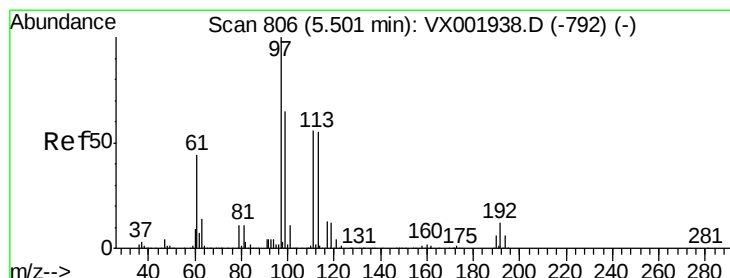
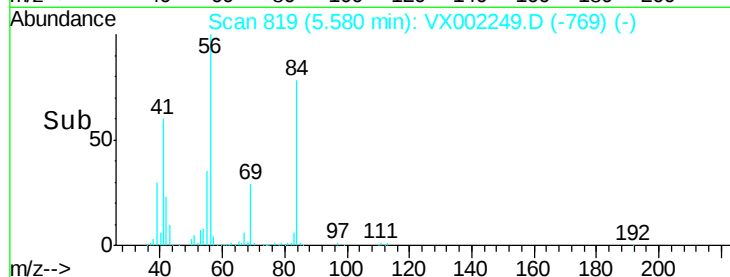
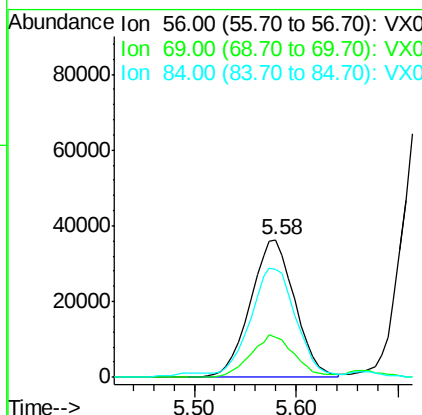
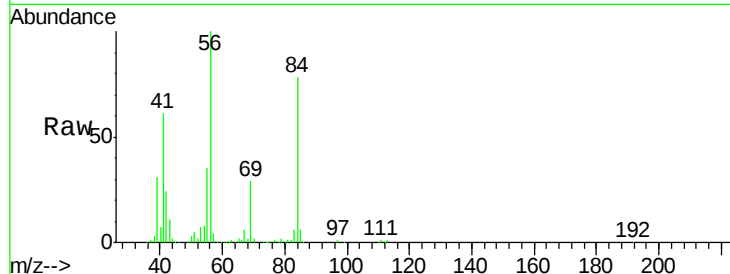
#31
Cyclohexane
Concen: 30.455 ug/l
RT: 5.58 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
LF6-0050MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.1	34.7
84	75.8	62.0	93.0

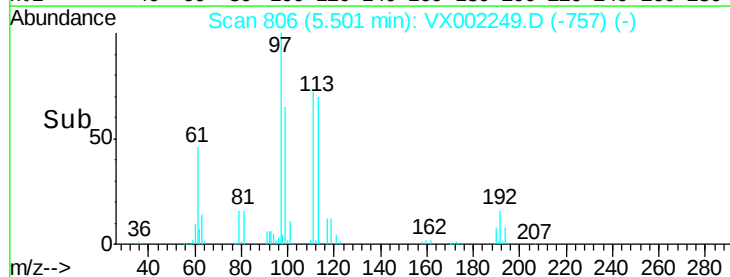
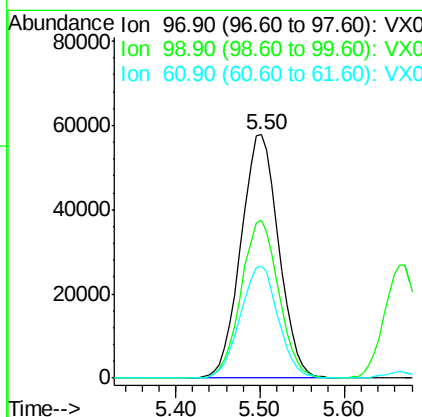
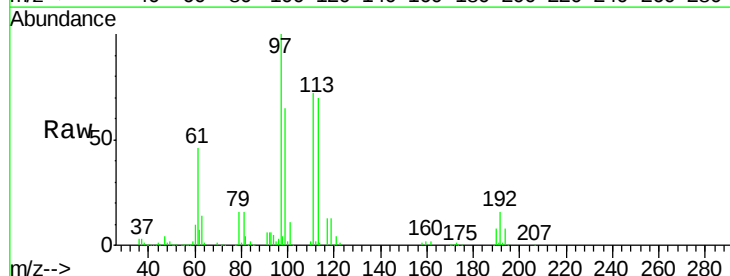
Manual Integrations
APPROVED

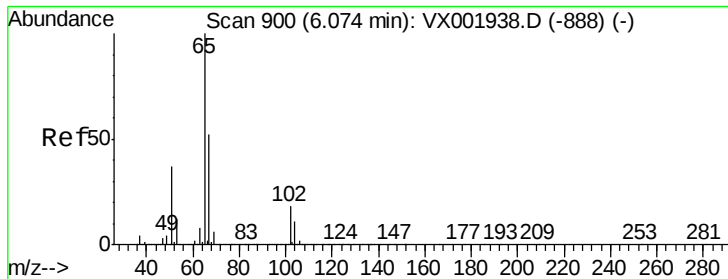
MMDadoda
6/4/2018 2:31:52 PM



#32
1,1,1-Trichloroethane
Concen: 48.562 ug/l
RT: 5.50 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.9	77.9
61	46.1	35.9	53.9





#33

1,2-Dichloroethane-d4

Concen: 65.230 ug/l

RT: 6.07 min Scan# 900

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

LF6-0050MS

Tot Ion: 65 Resp: 171007

Ion Ratio Lower Upper

65 100

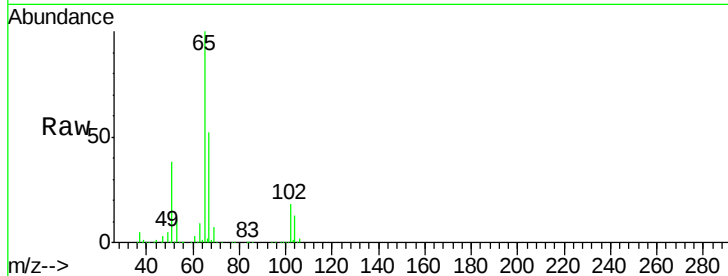
67 51.3 0.0 104.0

Manual Integrations

APPROVED

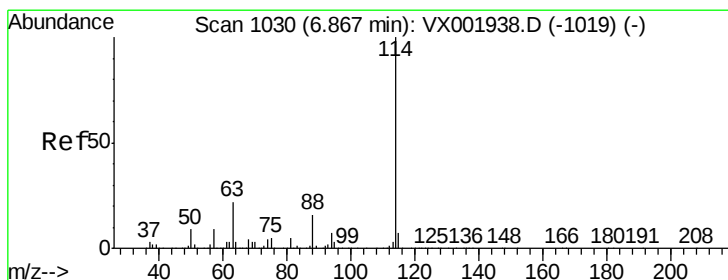
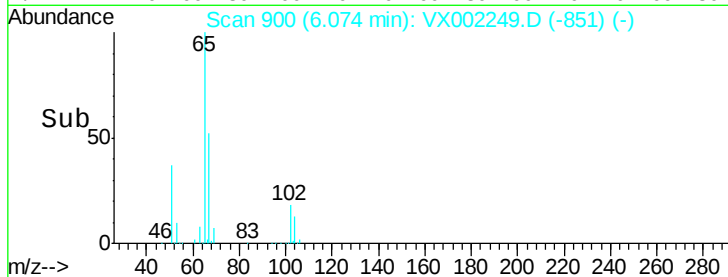
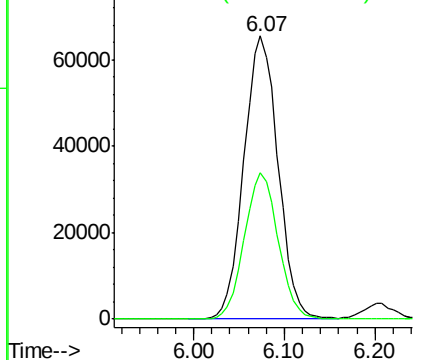
MMDadoda

6/4/2018 2:31:52 PM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

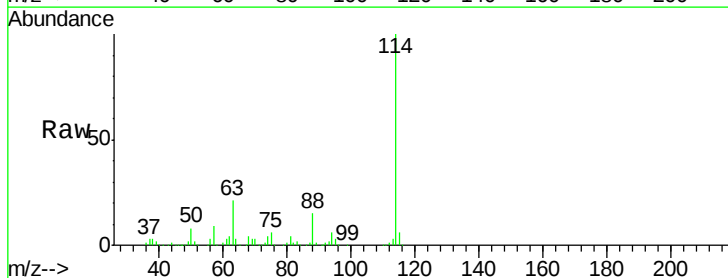
Tgt Ion: 114 Resp: 252400

Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.2

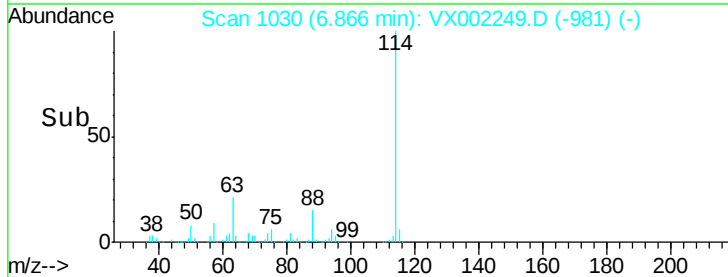
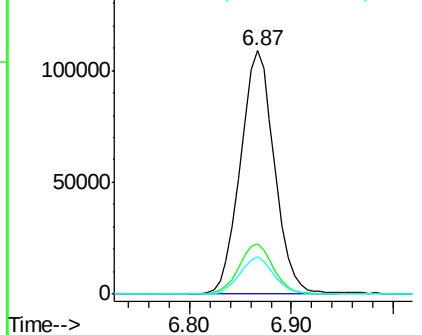
88 15.2 0.0 31.6

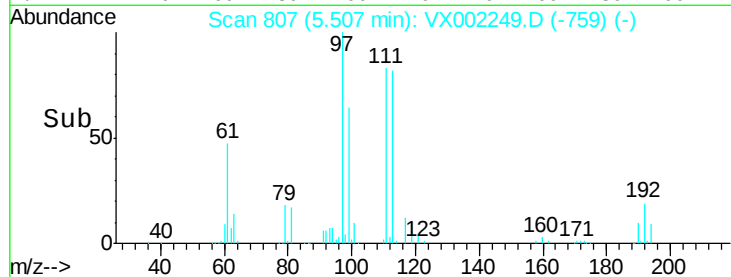
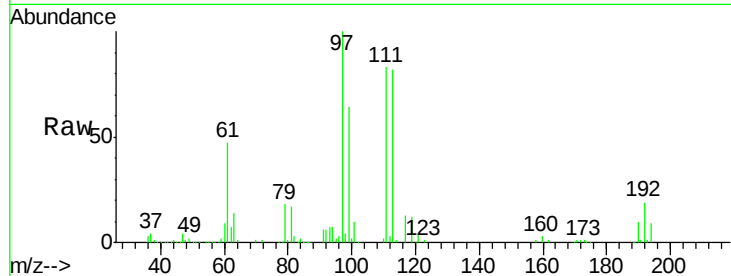
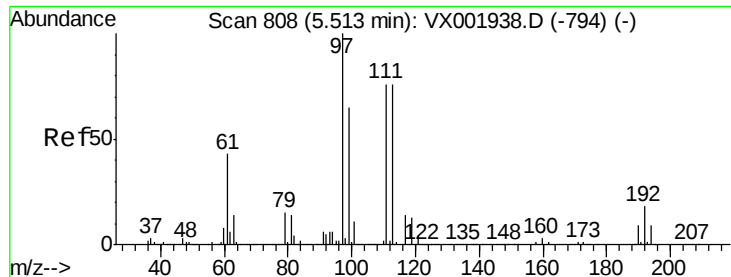


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





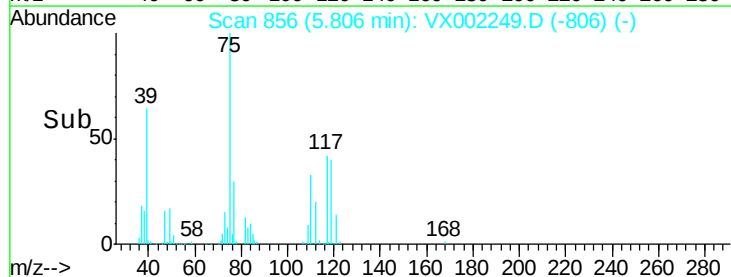
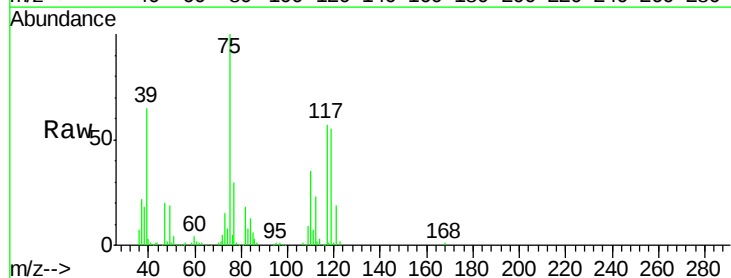
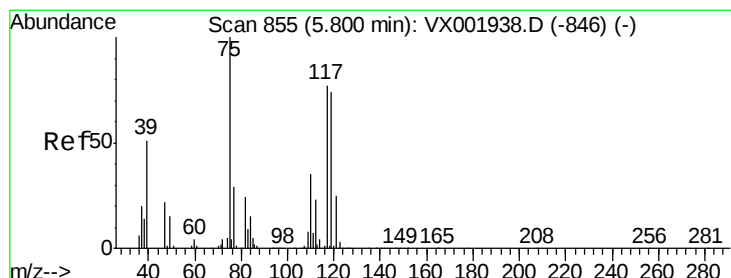
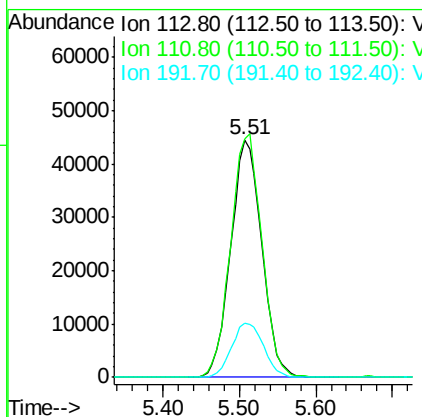
#35
Dibromofluoromethane
Concen: 49.574 ug/l
RT: 5.51 min Scan# 807
Delta R.T. -0.01 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tot Ion	Ratio	Resp	Lower	Upper
113	100	125125		
111	103.1	82.0	123.0	
192	23.6	18.9	28.3	

Instrument :
MSVOA_X
ClientSampleId :
LF6-0050MS

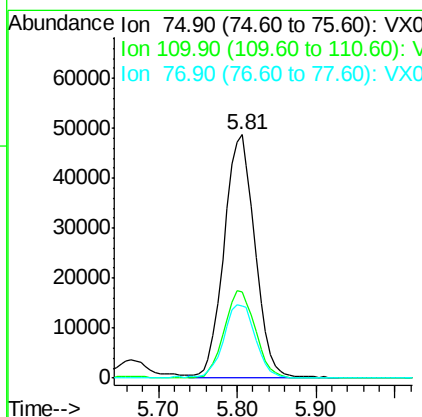
Manual Integrations
APPROVED

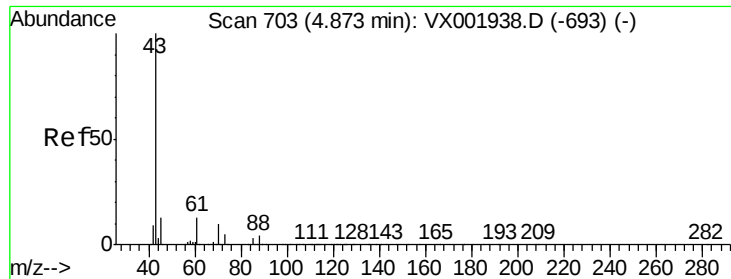
MMDadoda
6/4/2018 2:31:52 PM



#36
1,1-Dichloropropene
Concen: 37.630 ug/l
RT: 5.81 min Scan# 856
Delta R.T. 0.01 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132110		
110	36.3	17.4	52.2	
77	31.9	24.4	36.6	





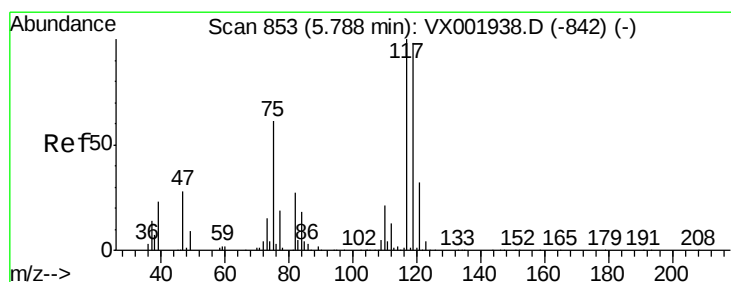
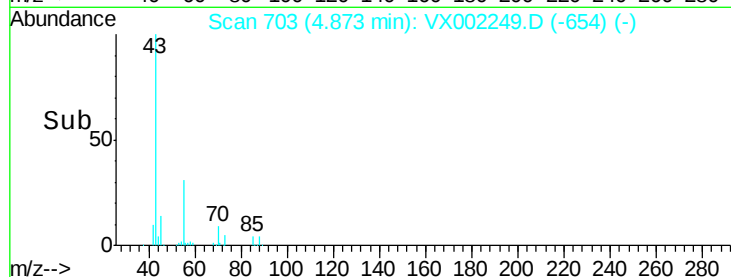
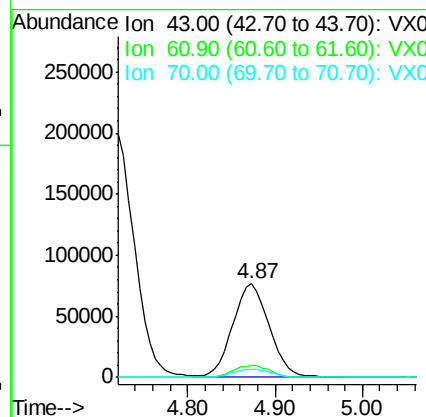
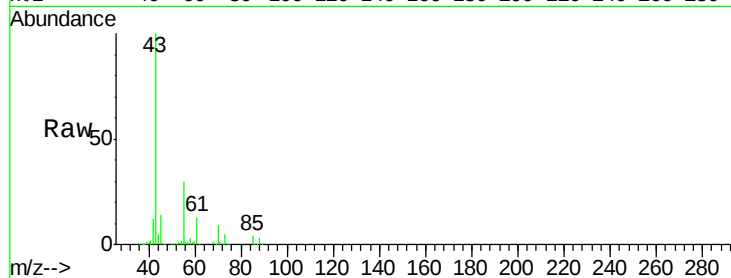
#37
Ethyl Acetate
Concen: 48.398 ug/l
RT: 4.87 min Scan# 703
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
LF6-0050MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.2	15.2
70	9.4	7.8	11.8

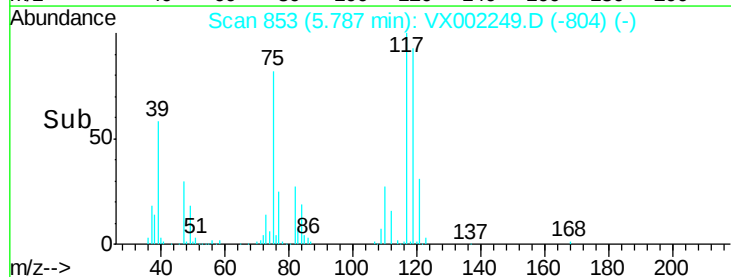
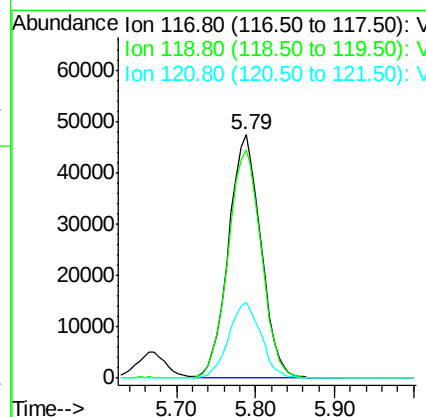
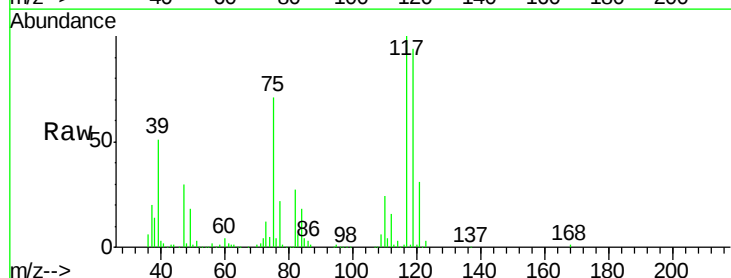
Manual Integrations
APPROVED

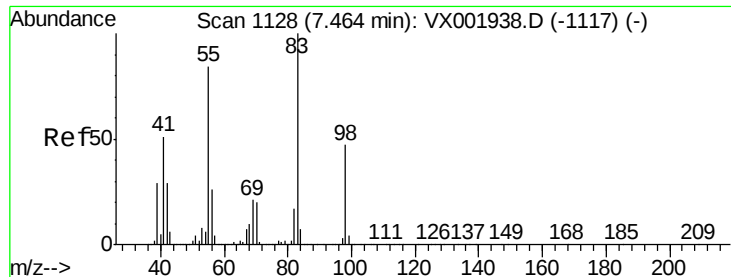
MMDadoda
6/4/2018 2:31:52 PM



#38
Carbon Tetrachloride
Concen: 33.219 ug/l
RT: 5.79 min Scan# 853
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	78.5	117.7
121	31.2	25.5	38.3





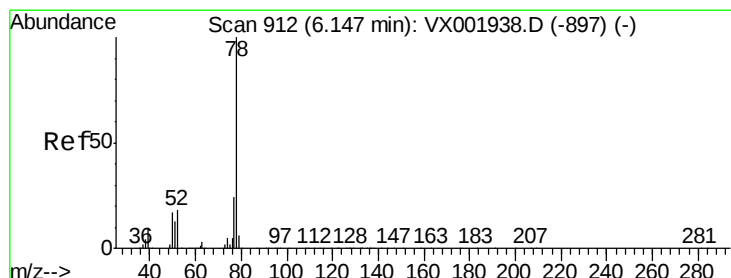
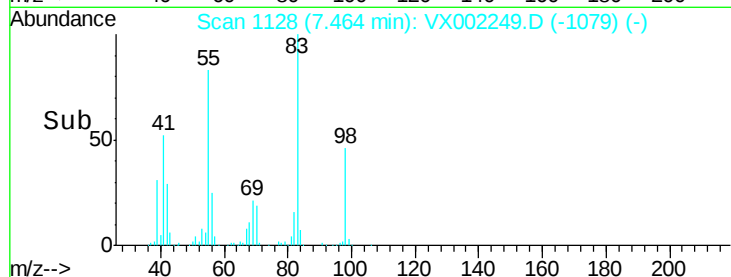
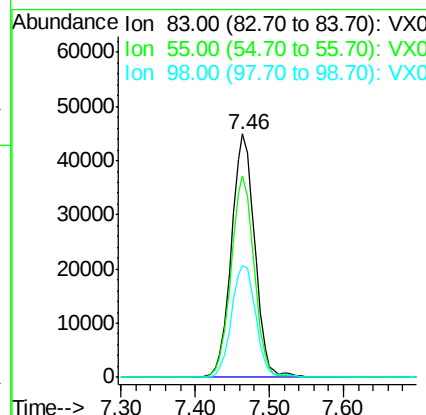
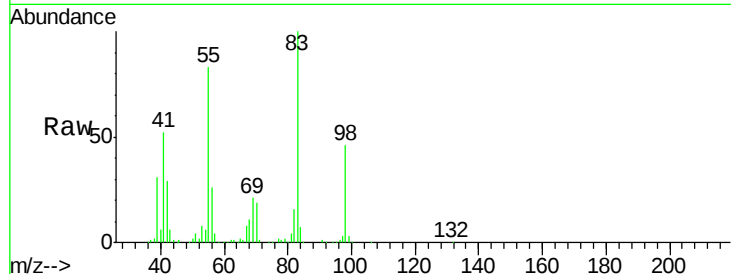
#39
Methvlcvclohexane
Concen: 22.937 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
LF6-0050MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.8	67.3	100.9
98	46.0	37.5	56.3

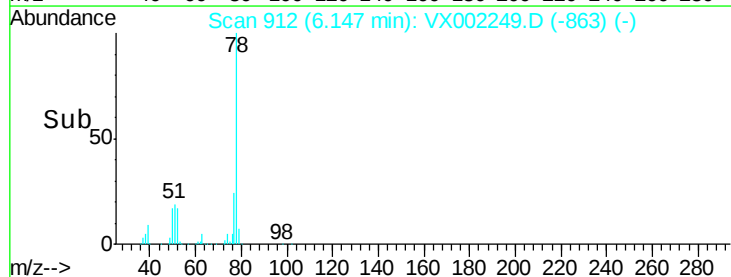
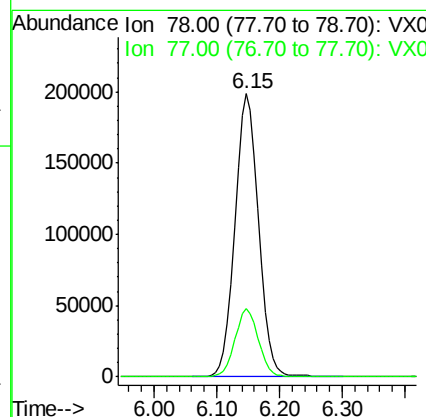
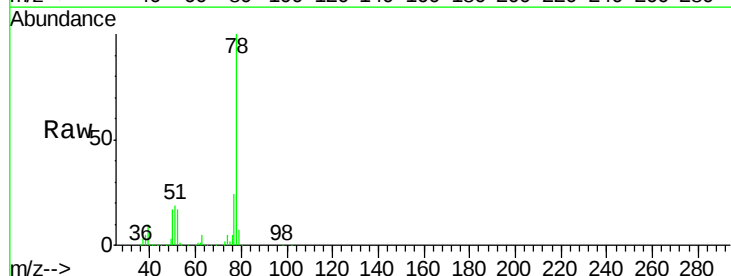
Manual Integrations
APPROVED

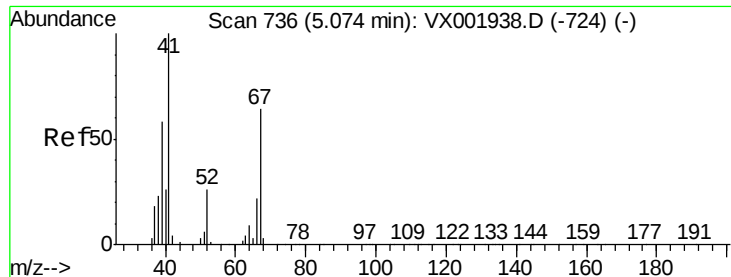
MMDadoda
6/4/2018 2:31:52 PM



#40
Benzene
Concen: 50.266 ug/l
RT: 6.15 min Scan# 912
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7





#41

Methacrylonitrile

Concen: 54.832 ug/l

RT: 5.07 min Scan# 736

Delta R.T. 0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

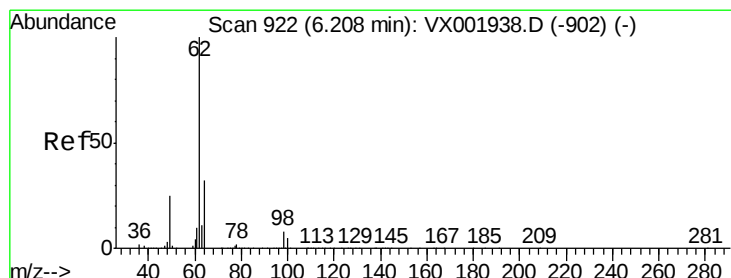
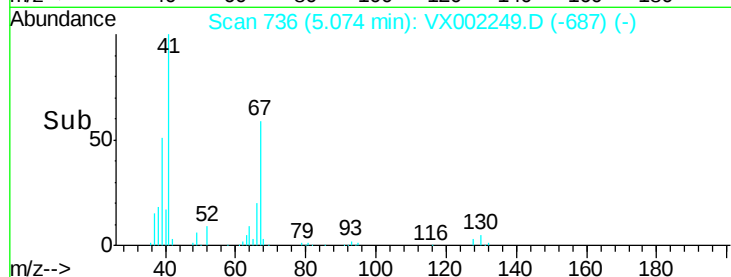
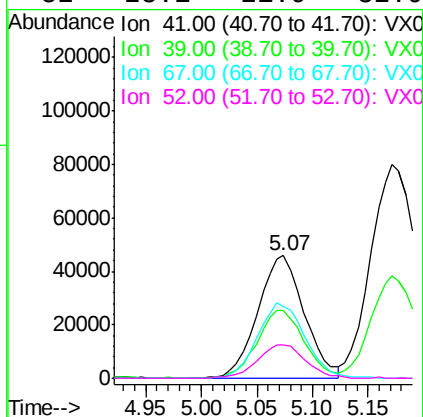
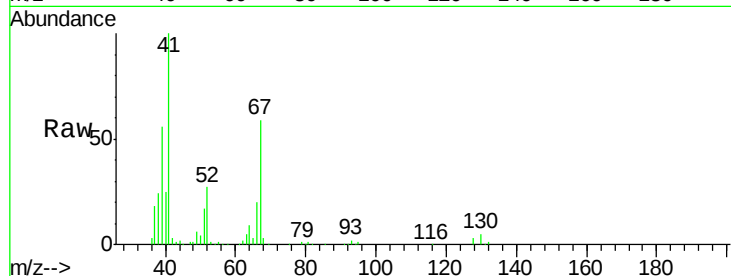
ClientSampled :

LF6-0050MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.0	46.0	69.0	
67	63.5	50.6	75.8	
52	28.1	21.9	32.9	

Manual Integrations
APPROVED

MMDadoda
6/4/2018 2:31:52 PM



#42

1,2-Dichloroethane

Concen: 54.291 ug/l

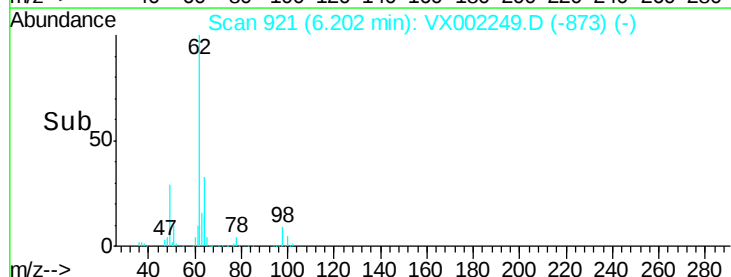
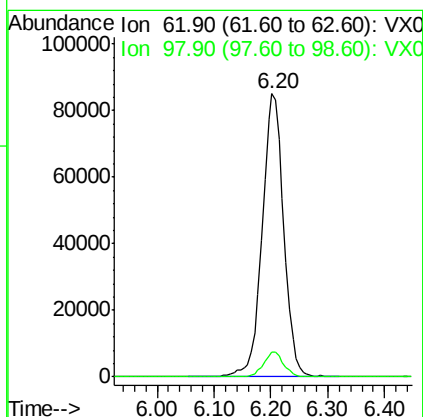
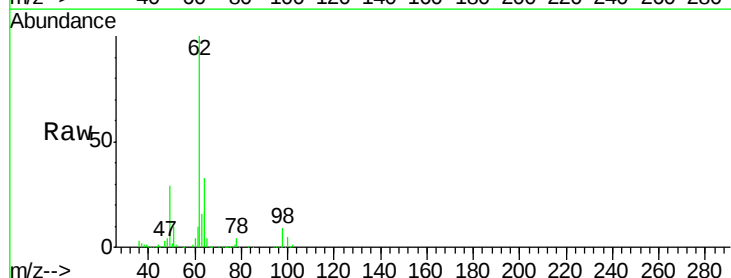
RT: 6.20 min Scan# 921

Delta R.T. -0.01 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	17.0	





#43

Isopropyl Acetate

Concen: 49.422 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

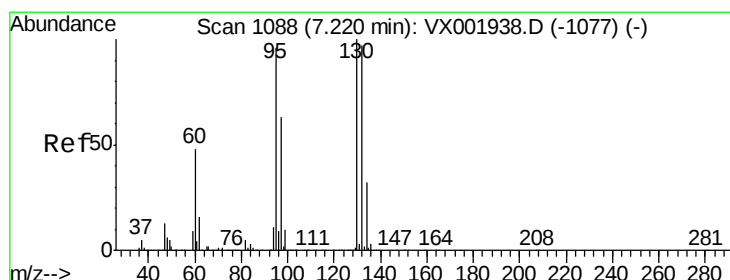
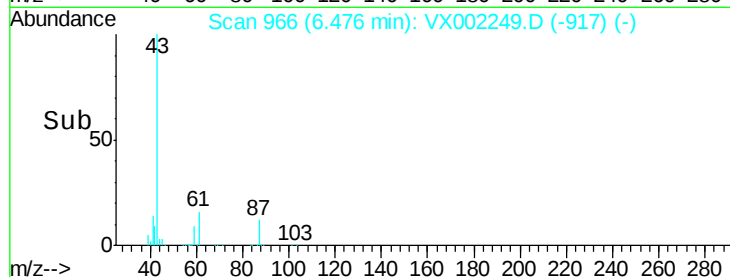
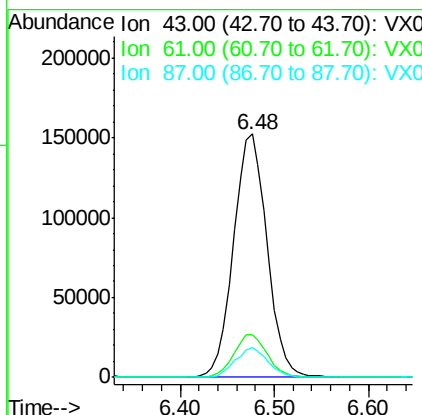
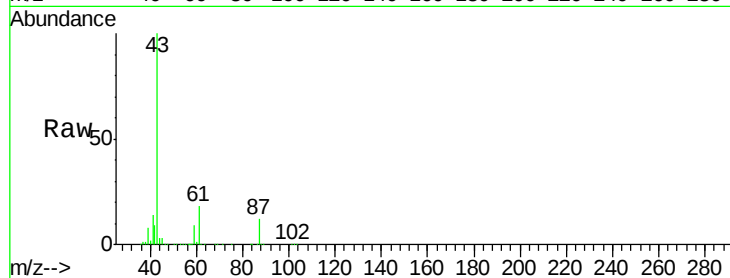
ClientSampleId :

LF6-0050MS

Tot Ion:	43	Resp:	376910
Ion	Ratio	Lower	Upper
43	100		
61	17.8	14.5	21.7
87	11.9	9.5	14.3

Manual Integrations
APPROVED

MMDadoda
6/4/2018 2:31:52 PM



#44

Trichloroethene

Concen: 43.722 ug/l

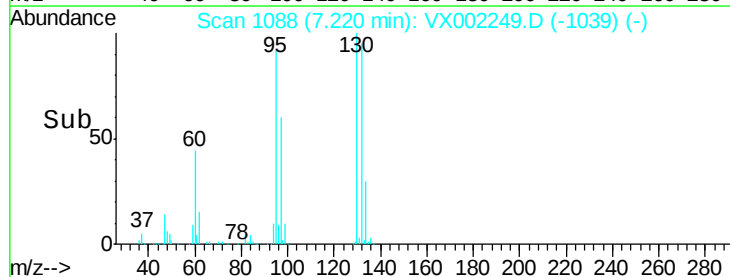
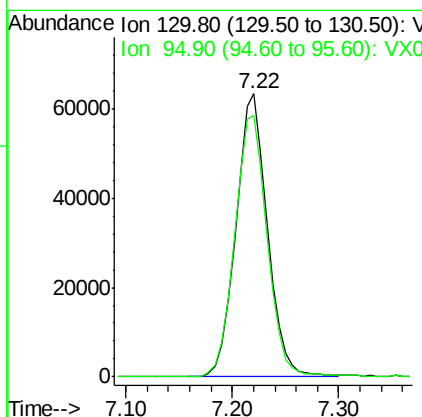
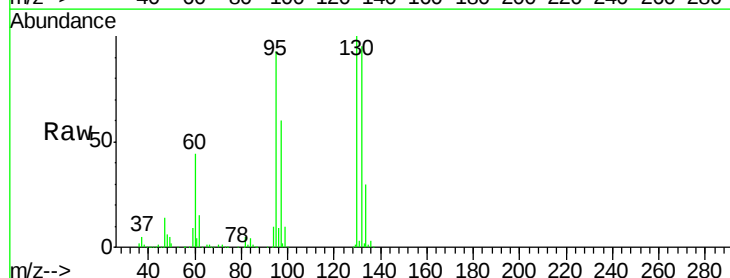
RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Tgt Ion:	130	Resp:	131046
Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	192.0





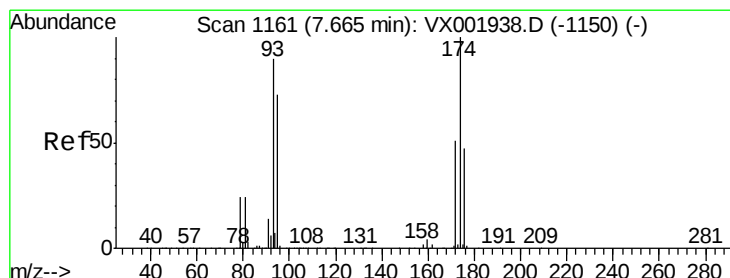
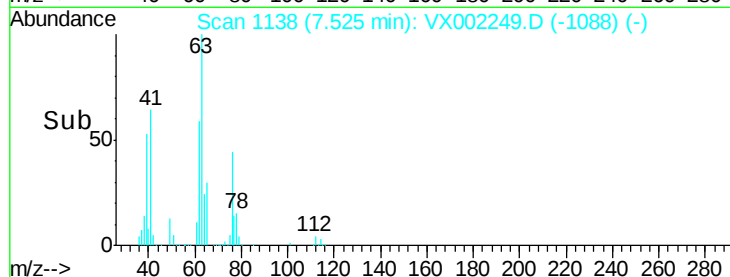
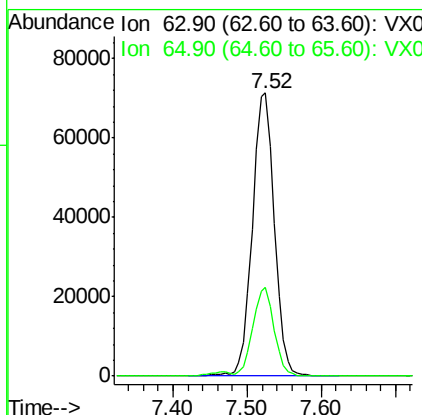
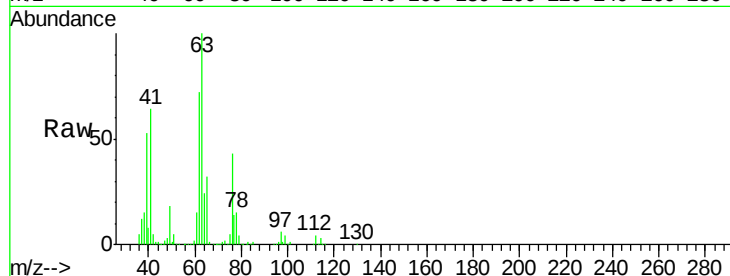
#45
1,2-Dichloropropane
Concen: 53.256 ug/l
RT: 7.52 min Scan# 1138
Delta R.T. 0.01 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
LF6-0050MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.1	36.1

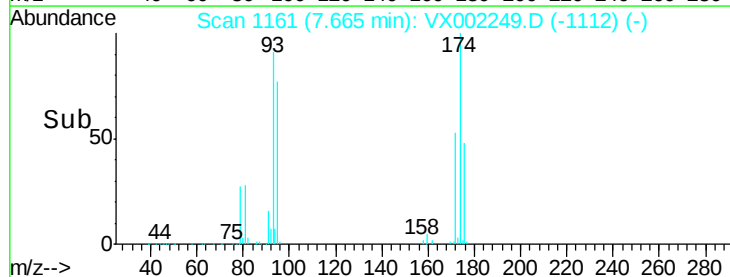
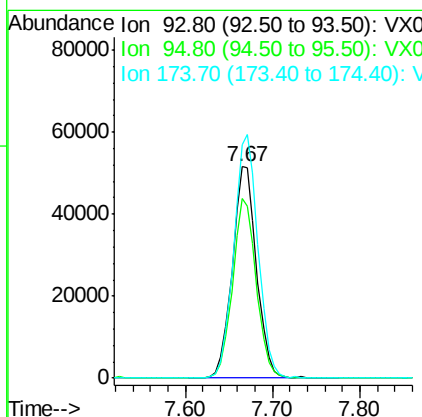
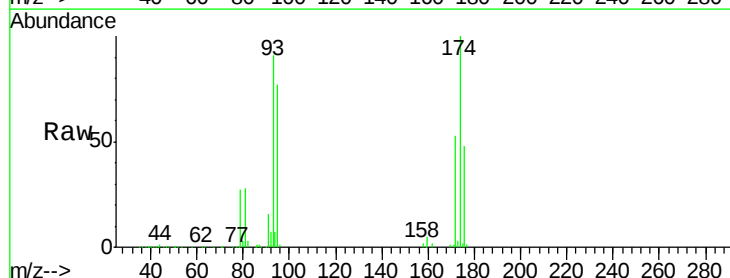
Manual Integrations
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#46
Dibromomethane
Concen: 53.756 ug/l
RT: 7.67 min Scan# 1161
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	66.1	99.1
174	115.5	92.5	138.7





#47

Bromodichloromethane

Concen: 45.719 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

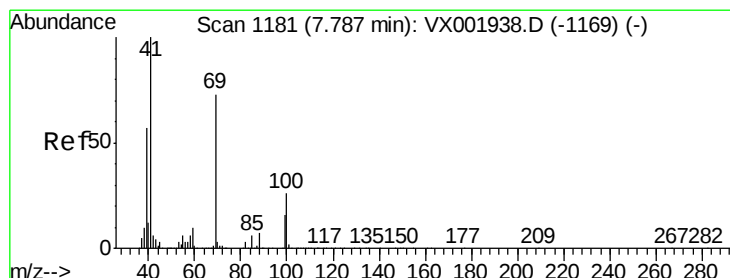
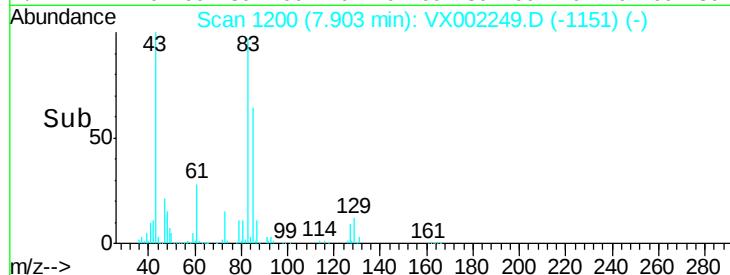
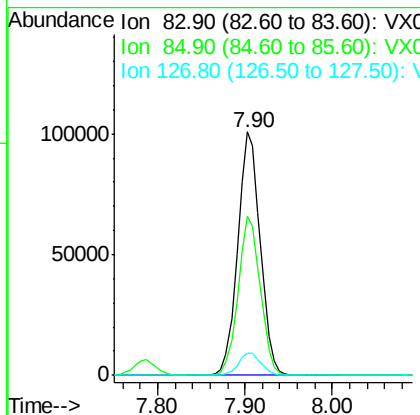
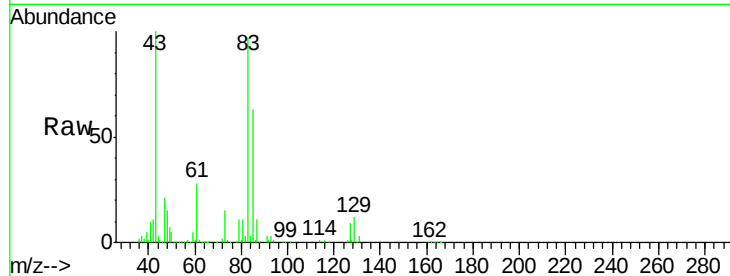
ClientSampled :

LF6-0050MS

Tot Ion:	83	Resp:	180280
Ion Ratio	Lower	Upper	
83	100		
85	65.3	51.4	77.2
127	9.2	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.470 ug/l

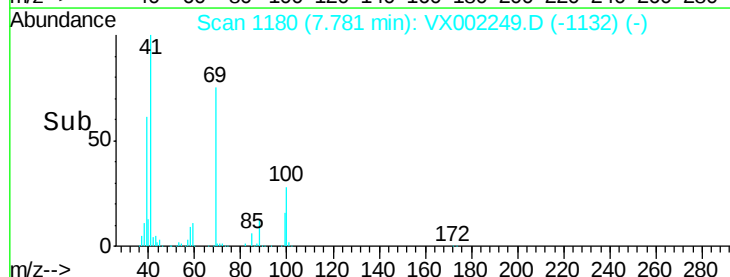
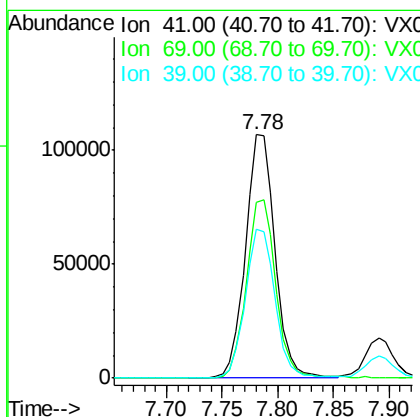
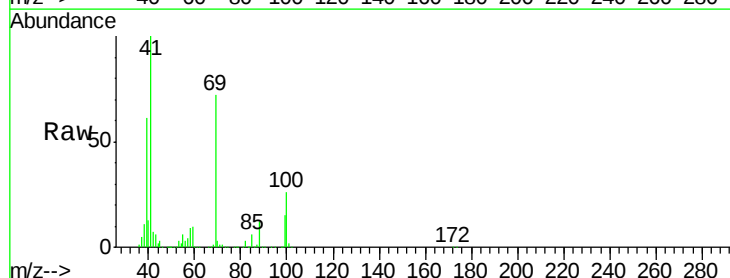
RT: 7.78 min Scan# 1180

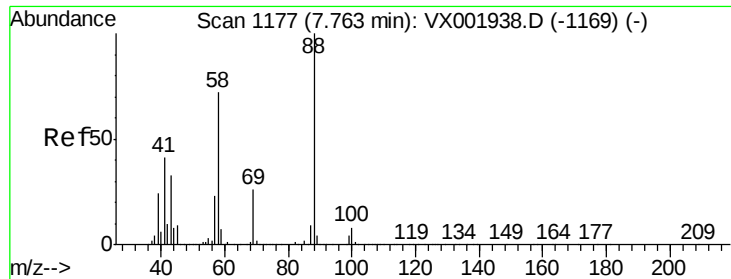
Delta R.T. -0.01 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Tgt Ion:	41	Resp:	195900
Ion Ratio	Lower	Upper	
41	100		
69	73.7	58.6	87.8
39	62.0	46.3	69.5





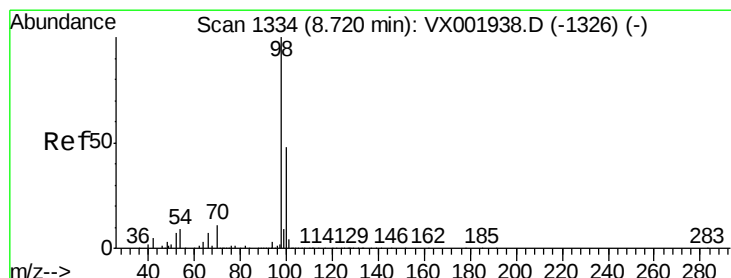
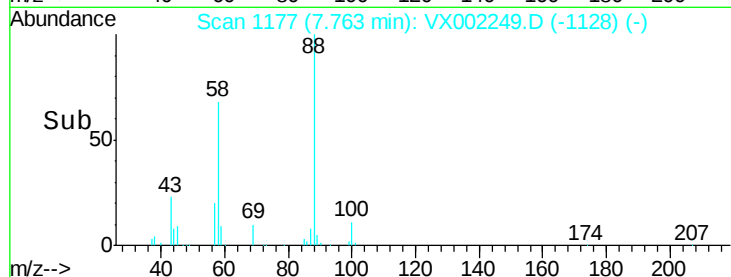
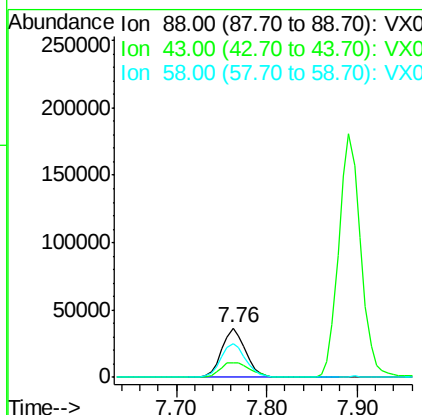
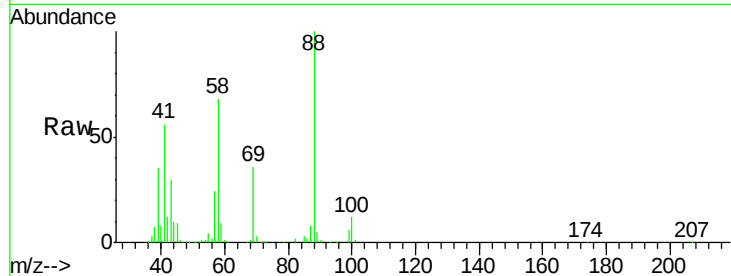
#49
1,4-Dioxane
Concen: 975.642 ug/l
RT: 7.76 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
LF6-0050MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.8	29.8	44.8
58	71.1	58.7	88.1

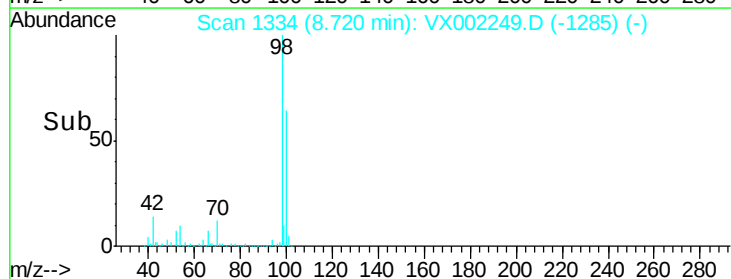
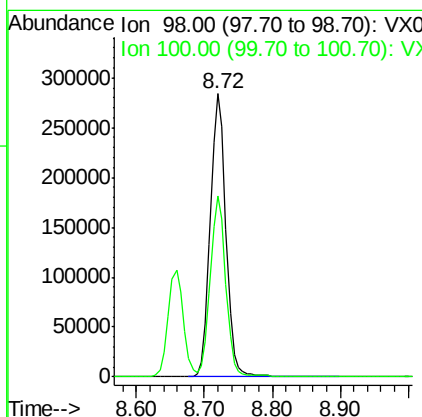
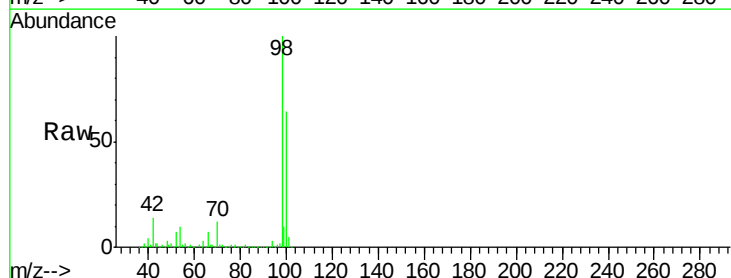
Manual Integrations
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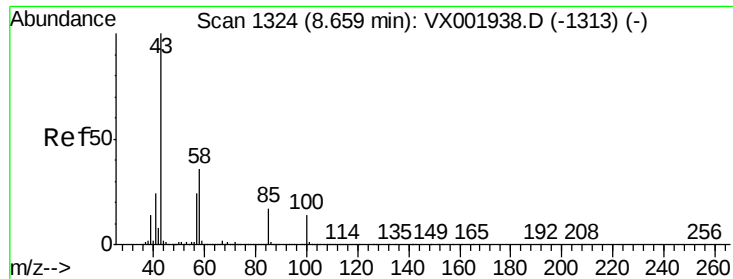
MMDadoda
6/4/2018 2:31:52 PM



#50
Toluene-d8
Concen: 49.503 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 275.621 ug/l

RT: 8.66 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

LF6-0050MS

Tot Ion: 43 Resp: 1267109

Ion Ratio Lower Upper

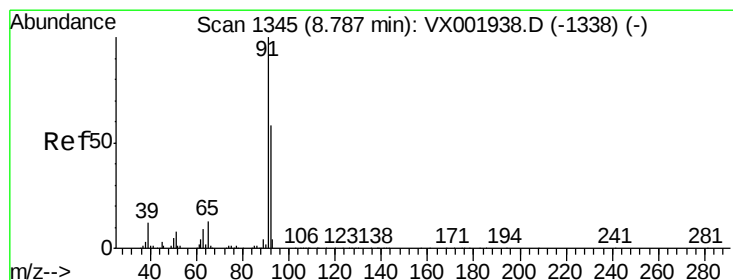
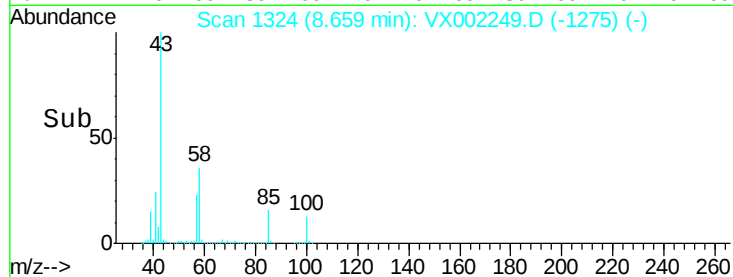
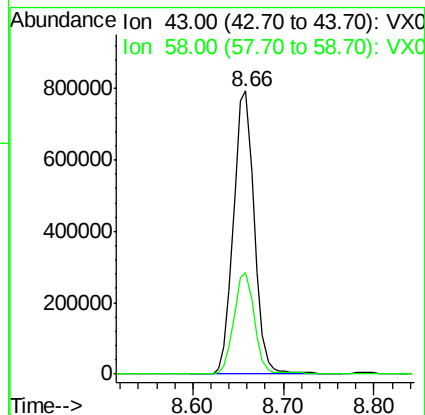
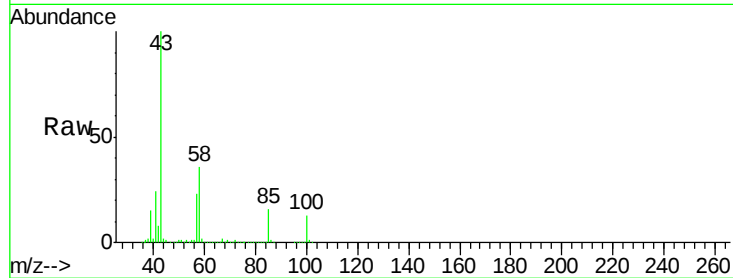
43 100

58 35.1 28.5 42.7

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#52

Toluene

Concen: 49.111 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VX002249.D

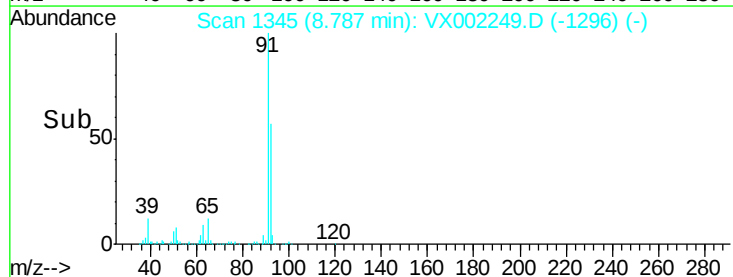
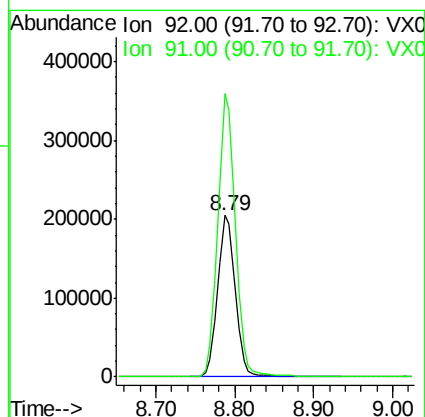
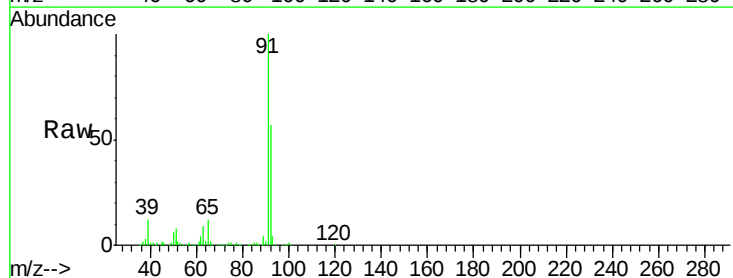
Acq: 02 Jun 2018 19:37

Tgt Ion: 92 Resp: 321469

Ion Ratio Lower Upper

92 100

91 174.4 139.4 209.2





#53

t-1,3-Dichloropropene

Concen: 46.602 ug/l

RT: 8.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

LF6-0050MS

Tot Ion: 75 Resp: 211648

Ion Ratio Lower Upper

75 100

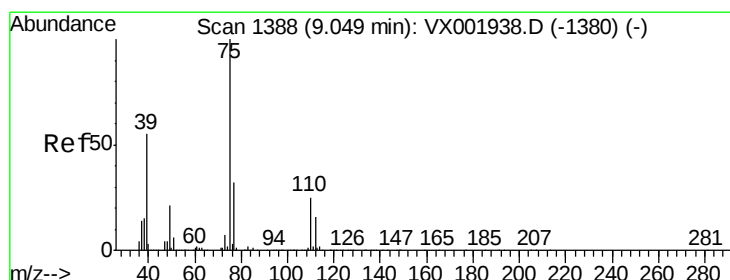
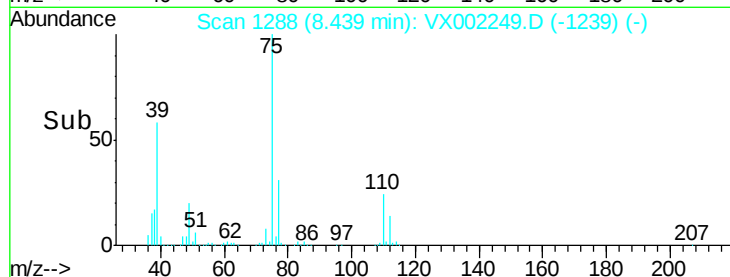
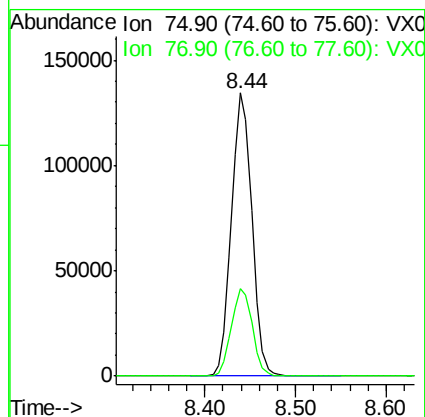
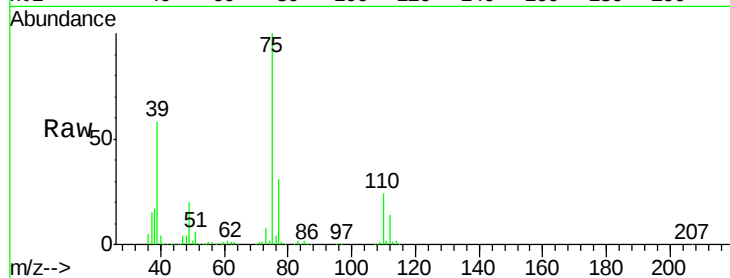
77 30.8 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 45.392 ug/l

RT: 9.05 min Scan# 1388

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

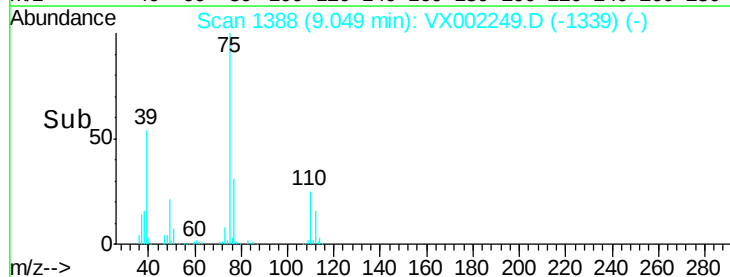
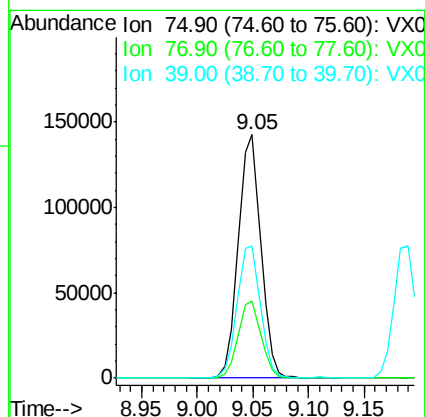
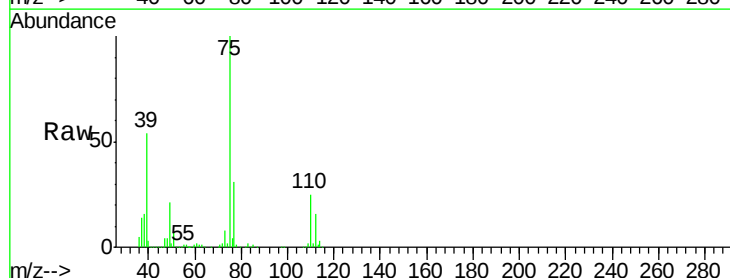
Tgt Ion: 75 Resp: 200880

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 54.1 44.1 66.1





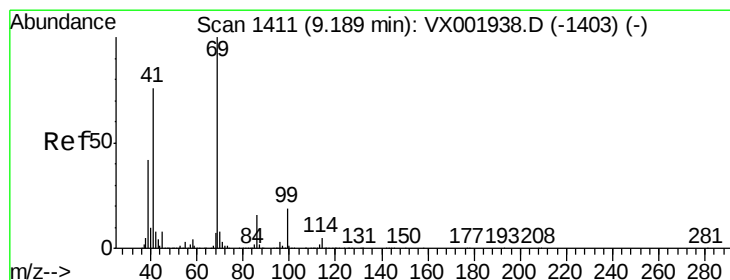
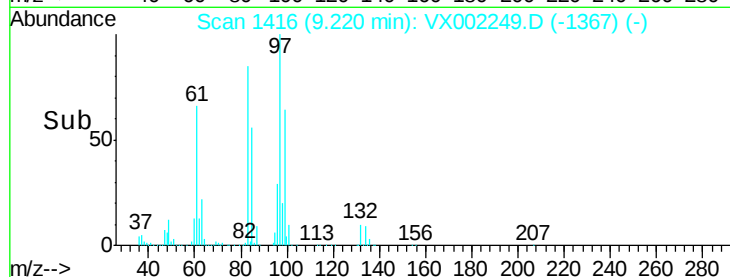
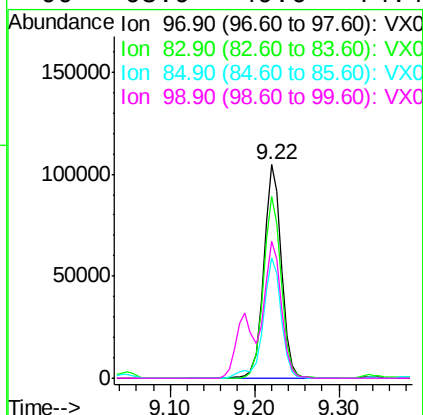
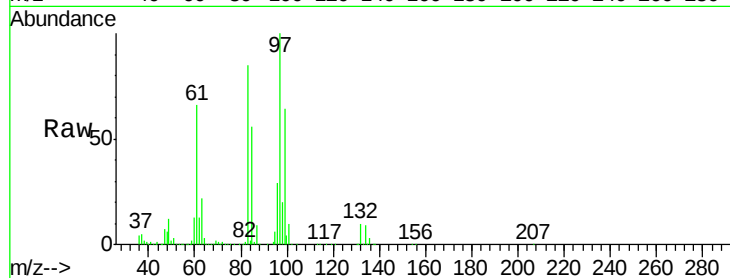
#55
 1,1,2-Trichloroethane
 Concen: 55.310 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. -0.00 min
 Lab File: VX002249.D
 Acq: 02 Jun 2018 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 LF6-0050MS

Tot Ion:	97	Resp:	151245
Ion	Ratio	Lower	Upper
97	100		
83	85.3	69.1	103.7
85	56.0	45.2	67.8
99	63.9	49.6	74.4

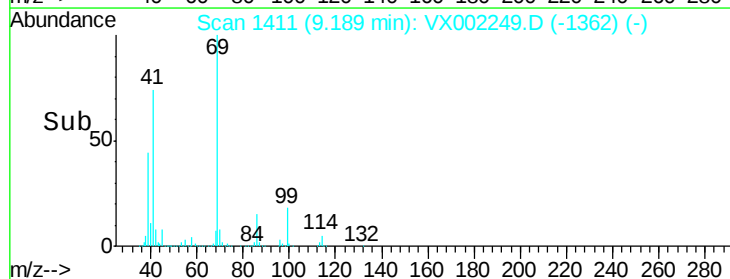
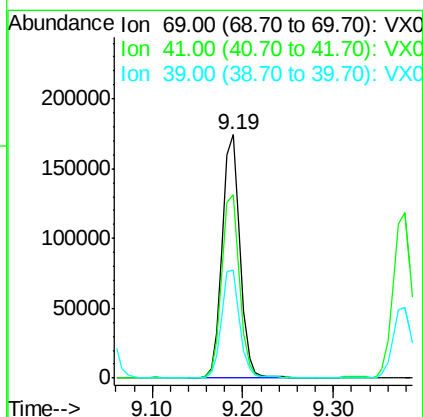
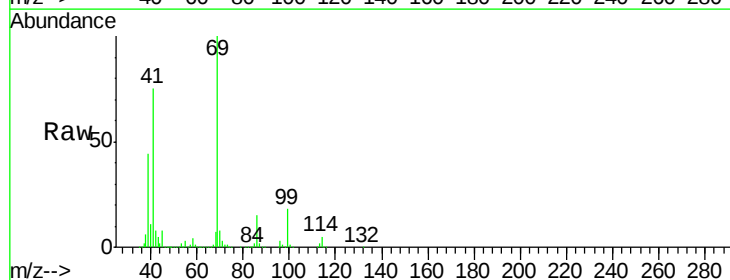
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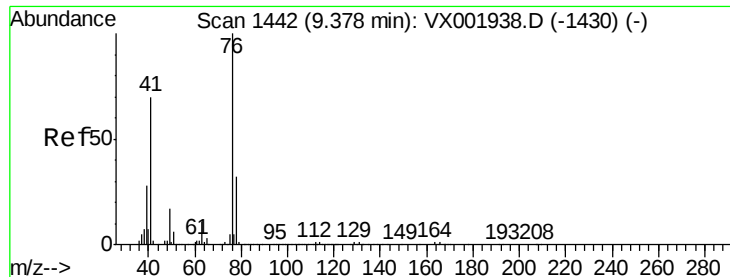
MMDadoda
 6/4/2018 2:31:52 PM



#56
 Ethyl methacrylate
 Concen: 50.892 ug/l
 RT: 9.19 min Scan# 1411
 Delta R.T. -0.00 min
 Lab File: VX002249.D
 Acq: 02 Jun 2018 19:37

Tgt Ion:	69	Resp:	239365
Ion	Ratio	Lower	Upper
69	100		
41	75.7	61.0	91.6
39	45.3	34.4	51.6





#57

1,3-Dichloropropane

Concen: 55.296 ug/l

RT: 9.38 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

ClientSampleId :

LF6-0050MS

Tot Ion: 76 Resp: 249093

Ion Ratio Lower Upper

76 100

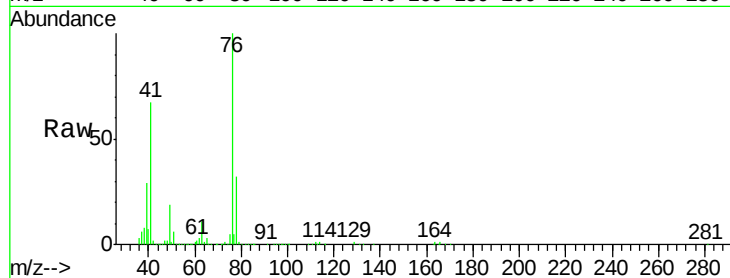
78 32.2 25.6 38.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.38

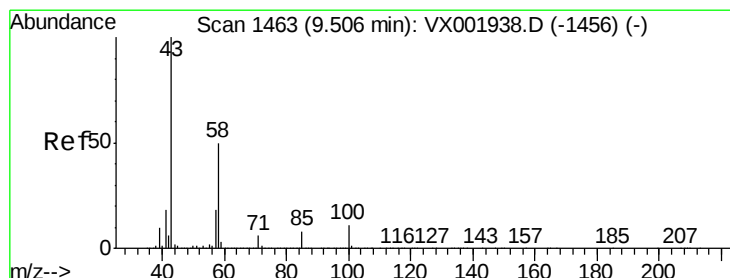
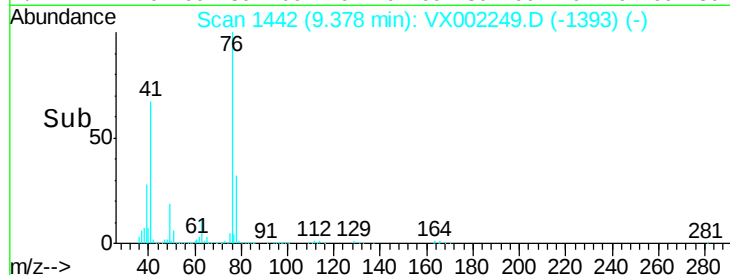
150000

100000

50000

0

Time-->



#59

2-Hexanone

Concen: 269.967 ug/l

RT: 9.50 min Scan# 1462

Delta R.T. -0.01 min

Lab File: VX002249.D

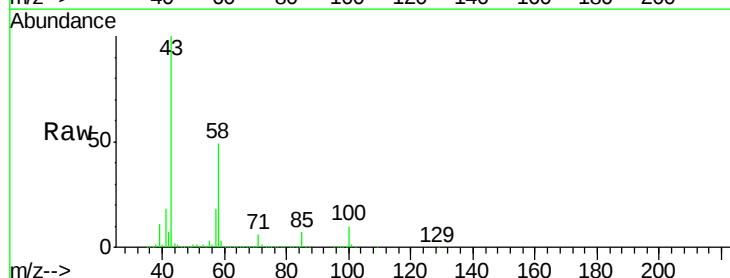
Acq: 02 Jun 2018 19:37

Tgt Ion: 43 Resp: 956981

Ion Ratio Lower Upper

43 100

58 49.8 24.9 74.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.50

800000

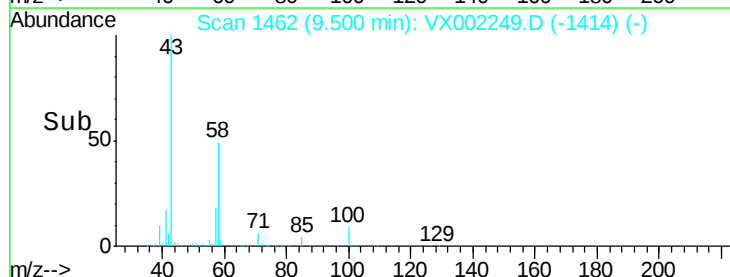
600000

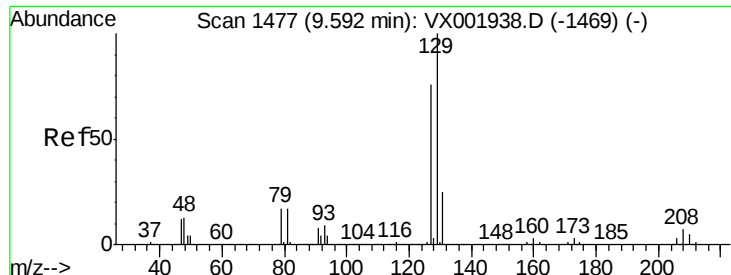
400000

200000

0

Time-->





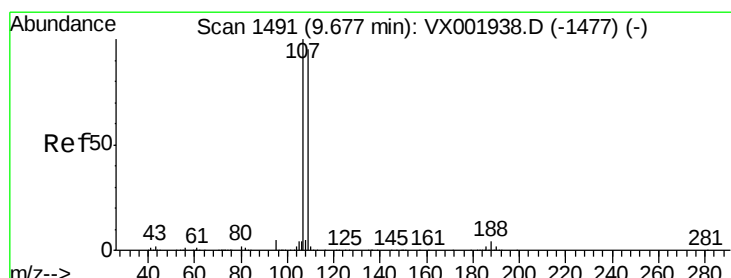
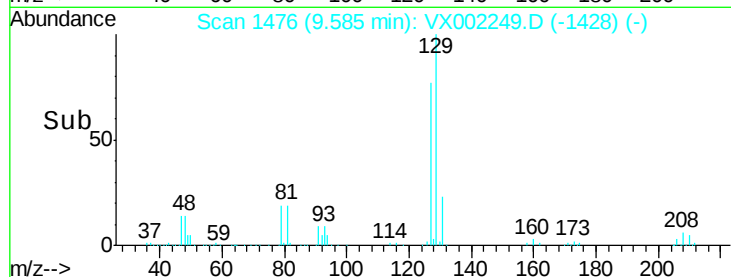
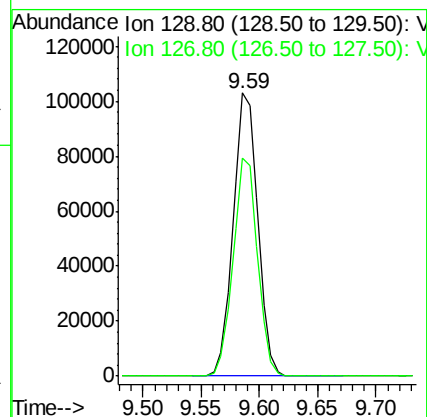
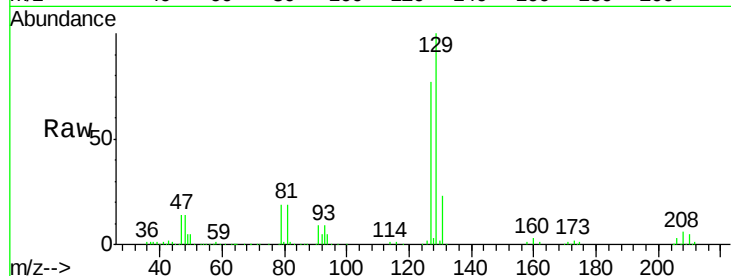
#60
Dibromochloromethane
Concen: 46.730 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. -0.01 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
LF6-0050MS

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.6	38.3	114.9

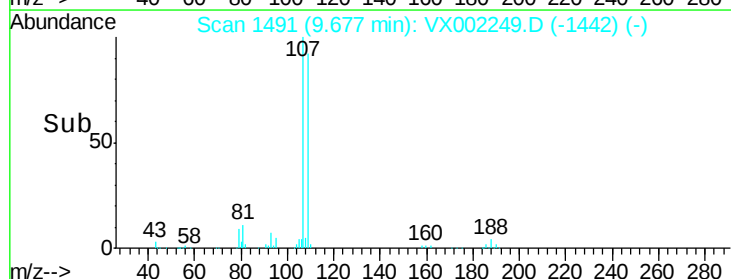
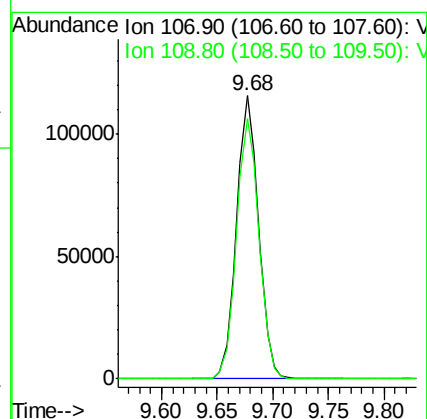
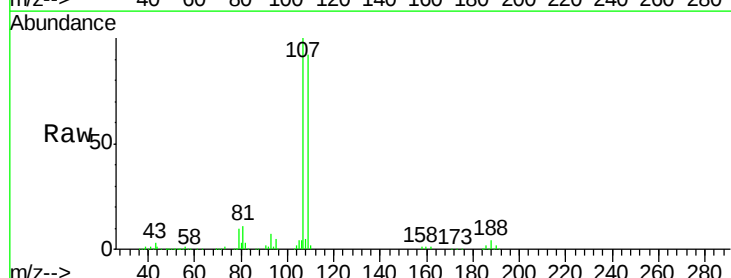
Manual Integrations
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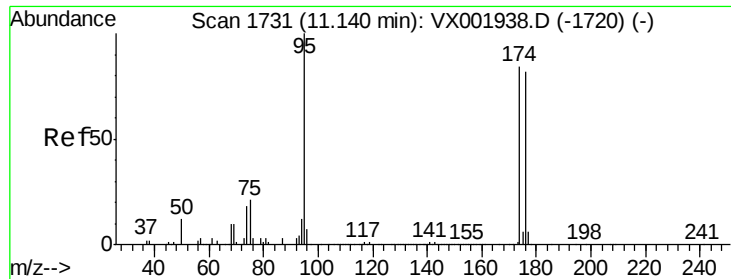
MMDadoda
6/4/2018 2:31:52 PM



#61
1,2-Dibromoethane
Concen: 55.240 ug/l
RT: 9.68 min Scan# 1491
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.3	112.9





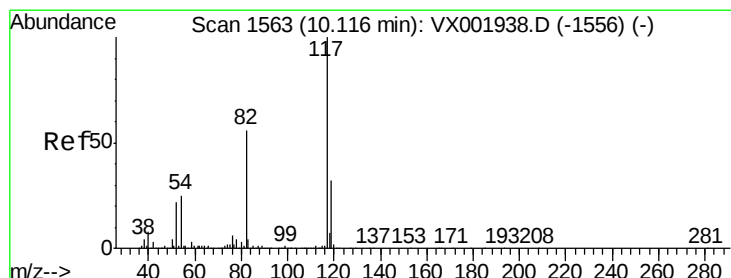
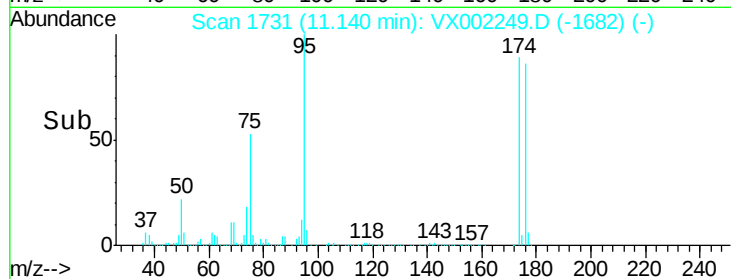
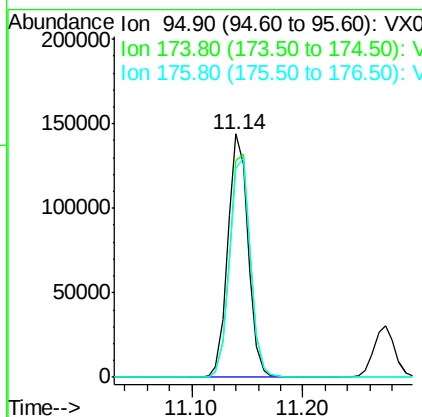
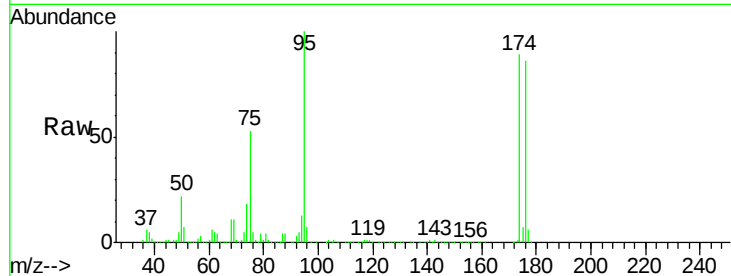
#62
4-Bromofluorobenzene
Concen: 50.772 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
LF6-0050MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	181520		
174	93.9	0.0	178.8	
176	91.8	0.0	175.6	

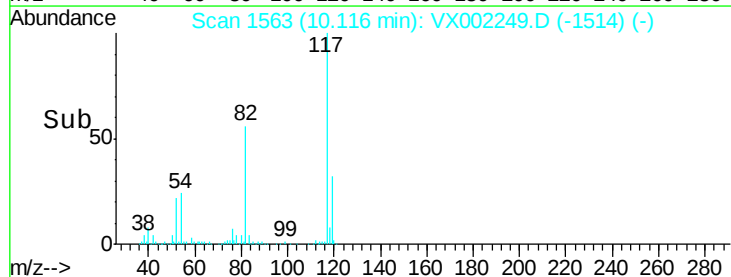
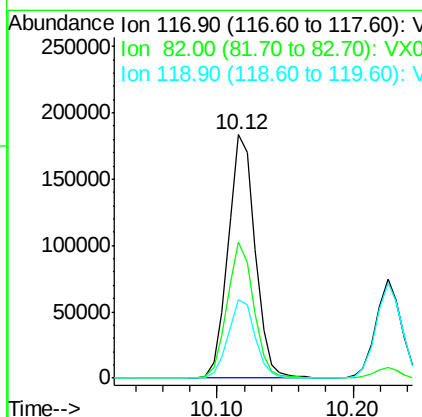
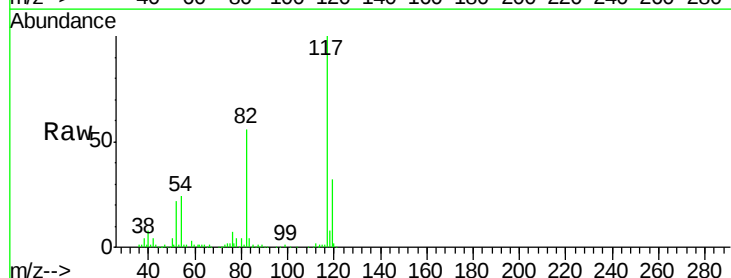
Manual Integrations
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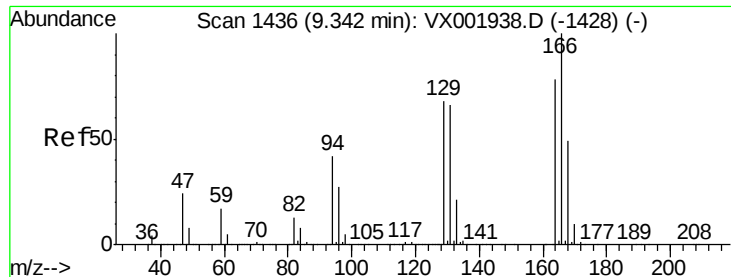
MMDadoda
6/4/2018 2:31:52 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	253027		
82	55.8	44.8	67.2	
119	32.2	25.5	38.3	





#64

Tetrachloroethene

Concen: 37.236 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

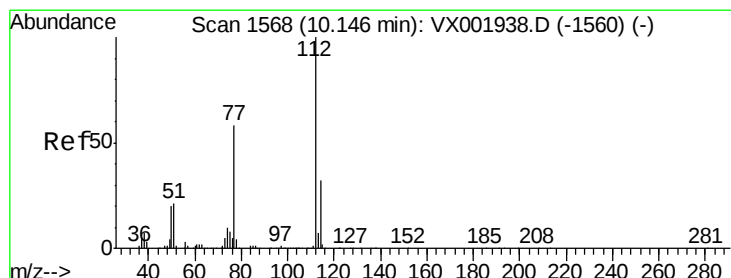
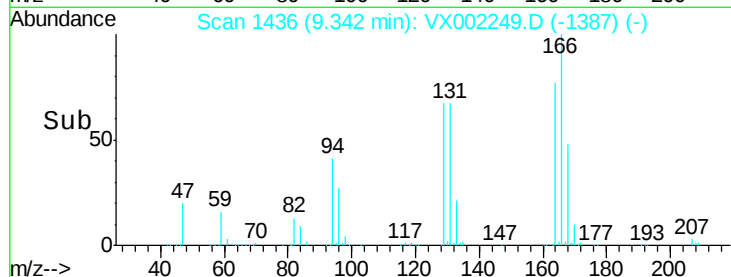
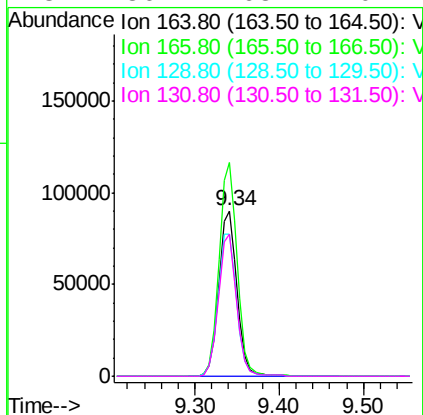
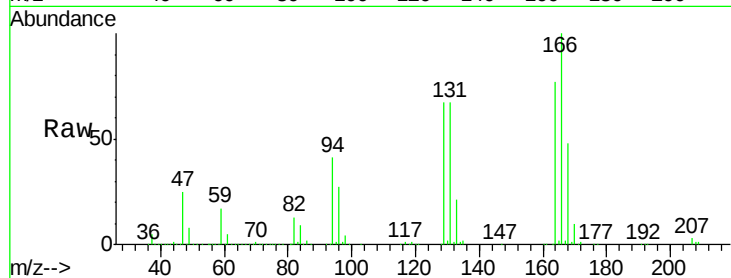
ClientSampled :

LF6-0050MS

Tot Ion:	164	Resp:	135088
Ion Ratio	Lower	Upper	
164	100		
166	129.1	102.7	154.1
129	85.9	70.3	105.5
131	86.2	68.2	102.4

Manual Integrations
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#65

Chlorobenzene

Concen: 52.788 ug/l

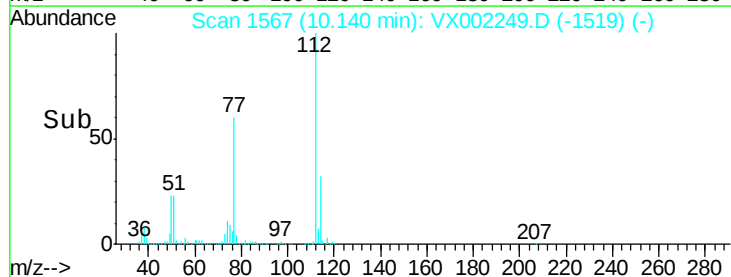
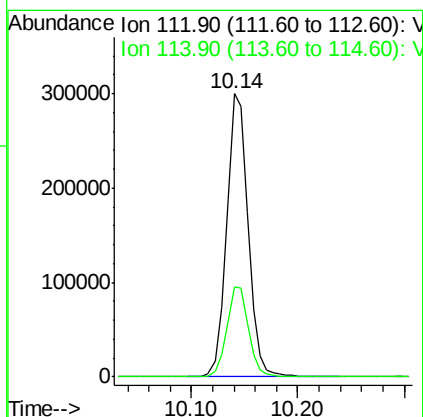
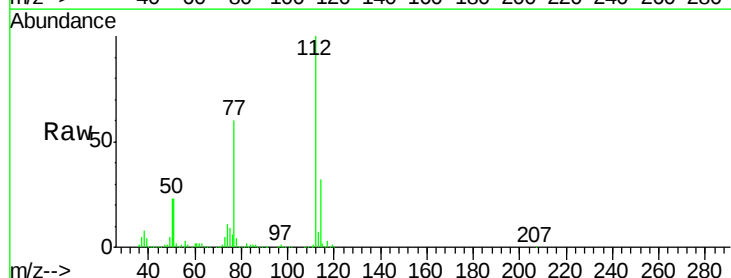
RT: 10.14 min Scan# 1567

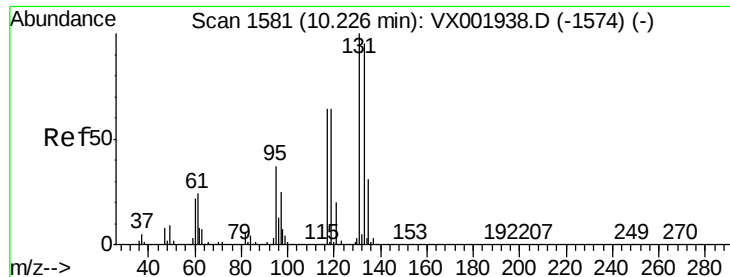
Delta R.T. -0.01 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Tgt Ion:	112	Resp:	423181
Ion Ratio	Lower	Upper	
112	100		
114	32.0	25.9	38.9





#66

1,1,1,2-Tetrachloroethane

Concen: 45.623 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

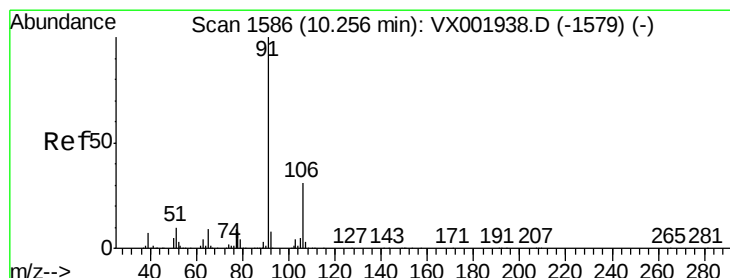
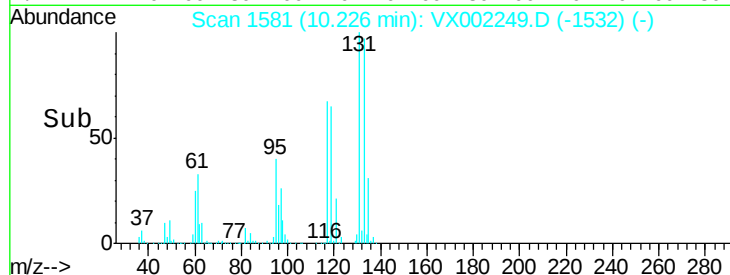
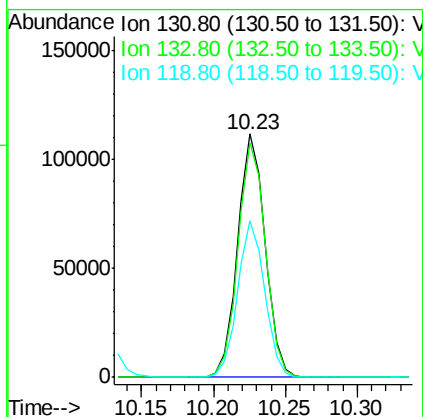
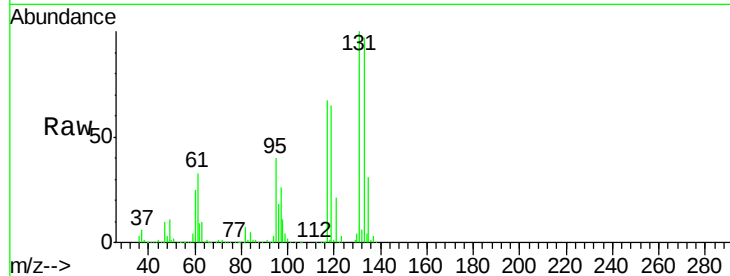
ClientSampleId :

LF6-0050MS

Tot Ion:	131	Resp:	147688
Ion Ratio	Lower	Upper	
131	100		
133	96.3	48.0	144.0
119	63.5	31.9	95.5

Manual Integrations
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#67

Ethyl Benzene

Concen: 45.395 ug/l

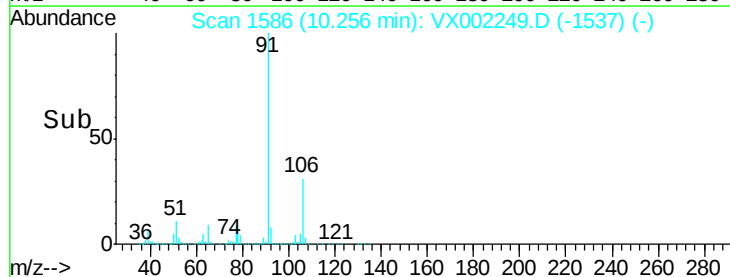
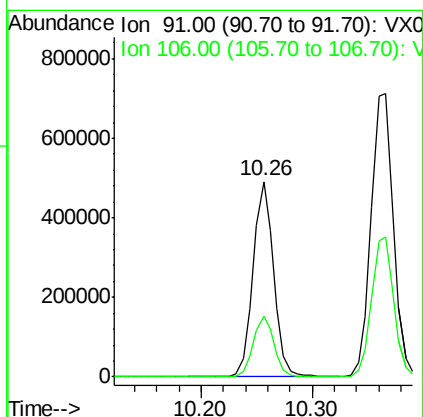
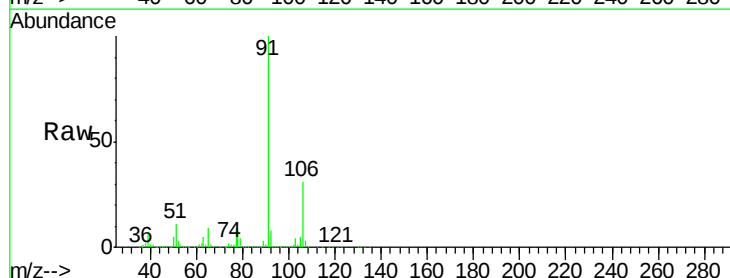
RT: 10.26 min Scan# 1586

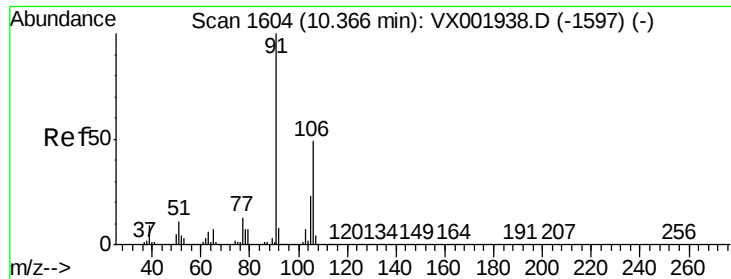
Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Tgt Ion:	91	Resp:	632281
Ion Ratio	Lower	Upper	
91	100		
106	31.2	25.0	37.6





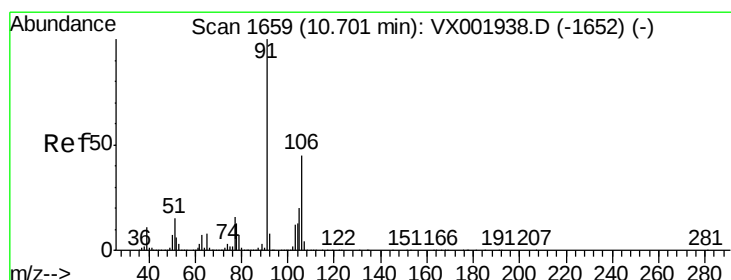
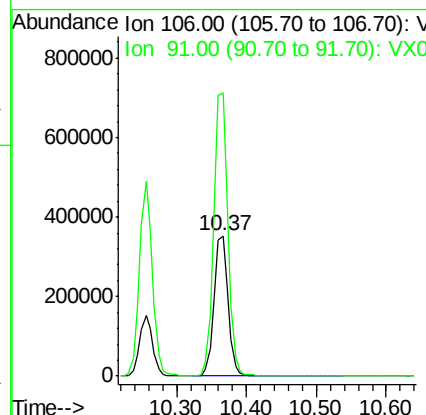
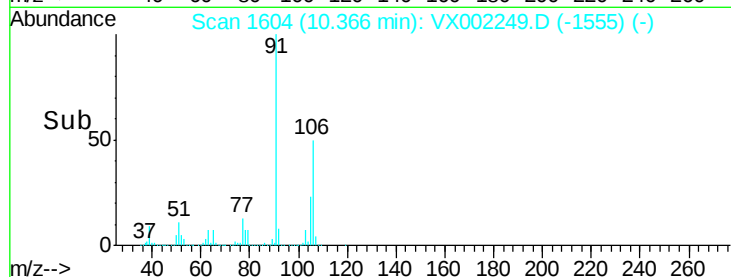
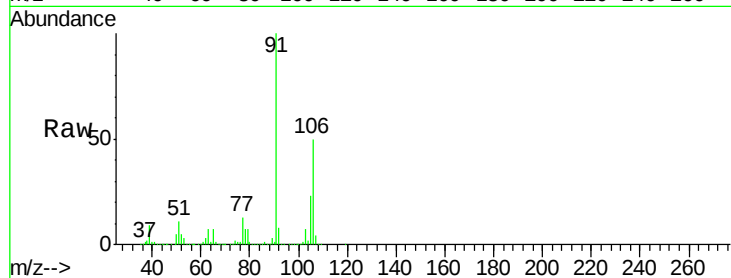
#68
m/p-Xvlenes
Concen: 92.583 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
LF6-0050MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		492938		
91	203.6	165.0	247.6		

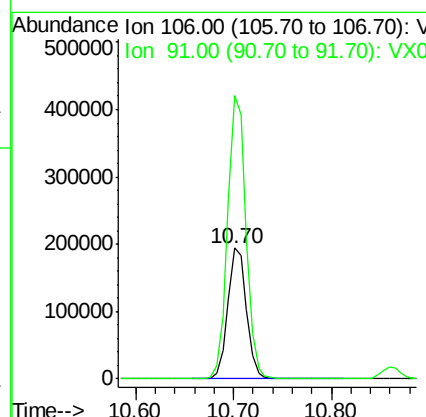
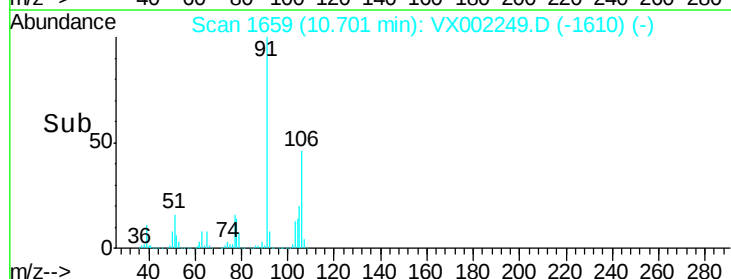
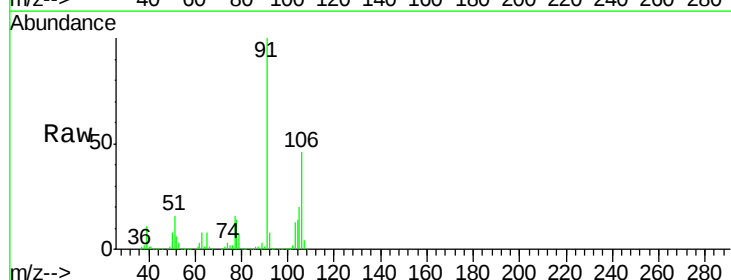
Manual Integrations
APPROVED

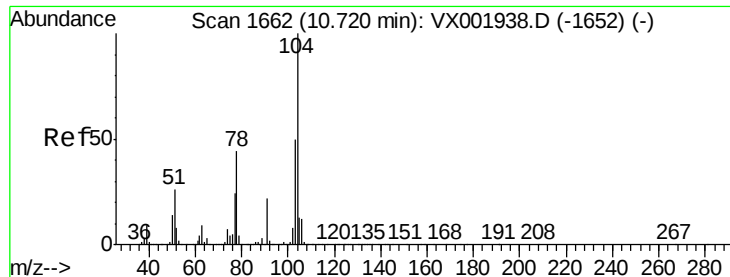
MMDadoda
6/4/2018 2:31:52 PM



#69
o-Xylene
Concen: 48.173 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		256096		
91	214.4	108.7	325.9		





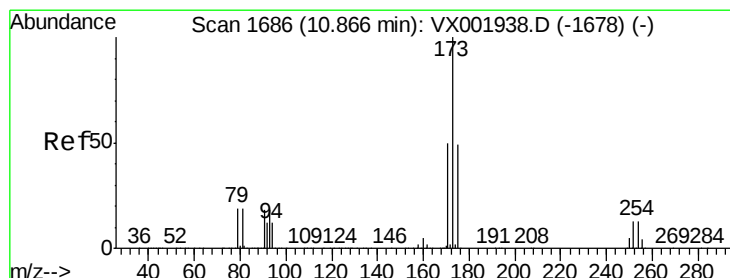
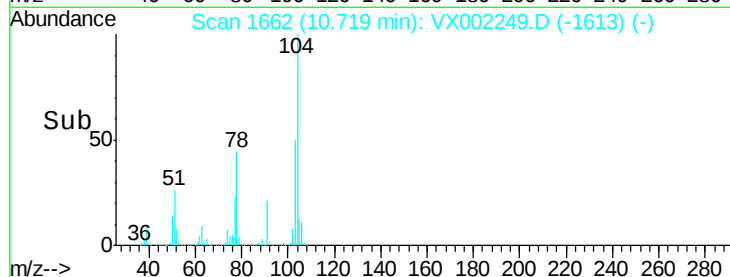
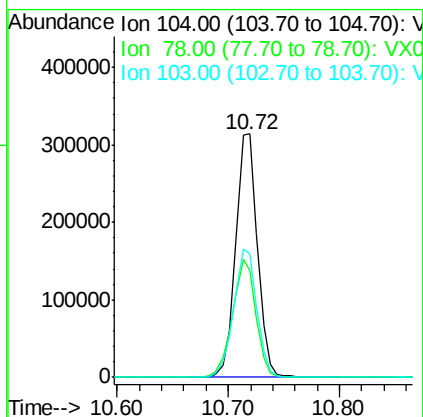
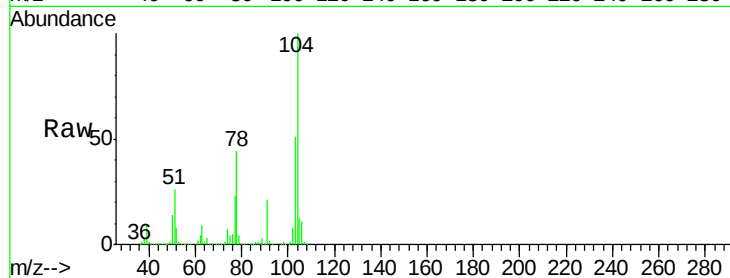
#70
Stvrene
Concen: 48.306 ug/l
RT: 10.72 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
LF6-0050MS

Tot Ion	Ratio	Resp	Lower	Upper
104	100	425884		
78	51.8		41.8	62.6
103	56.1		44.6	67.0

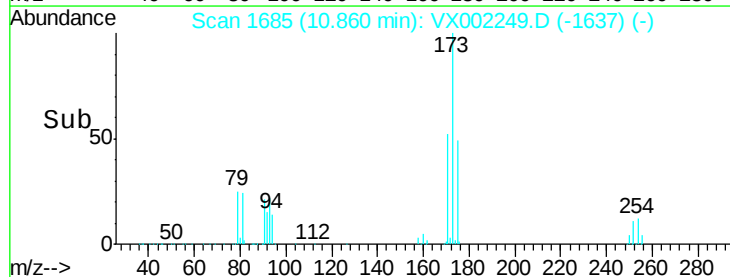
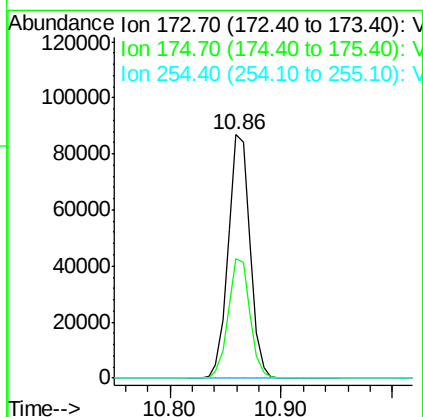
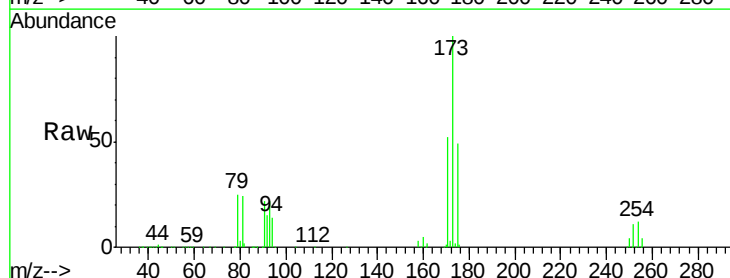
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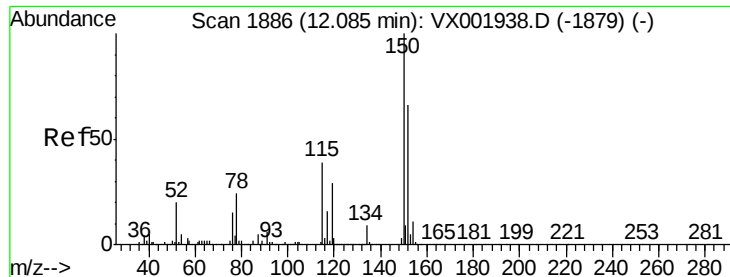
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6/4/2018 2:31:52 PM



#71
Bromoform
Concen: 38.174 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	117174		
175	49.0		24.3	72.9
254	0.2		0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

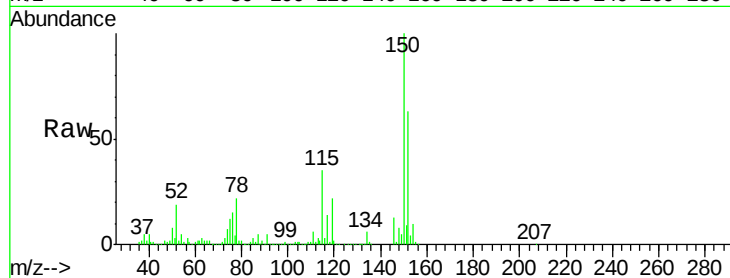
ClientSampleId :

LF6-0050MS

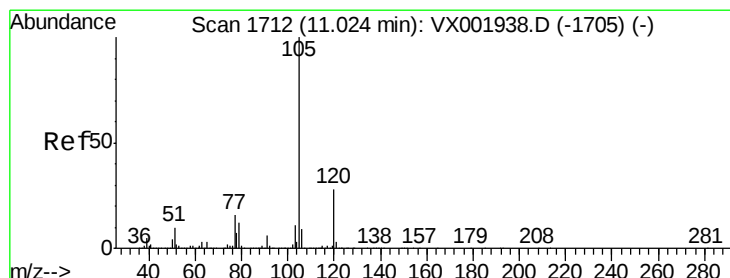
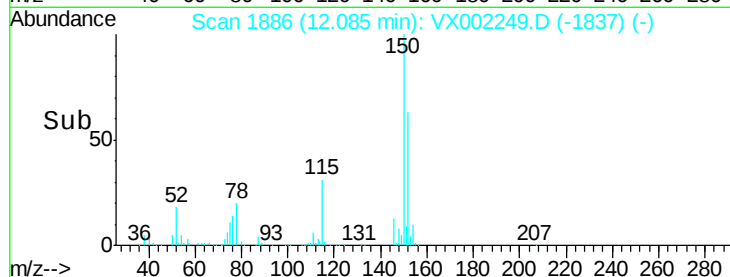
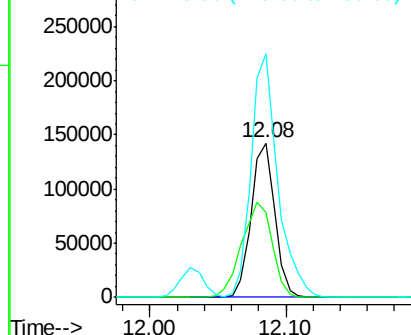
Tot Ion:	152	Resp:	173992
Ion Ratio	Lower	Upper	
152	100		
115	79.2	42.3	126.8
150	177.6	0.0	351.0

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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: 41.827 ug/l

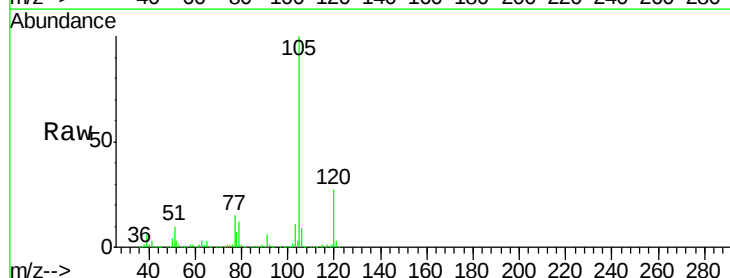
RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

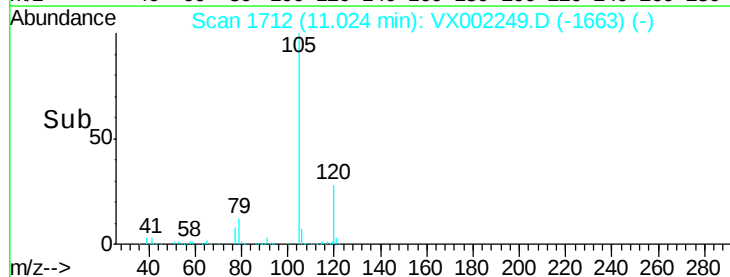
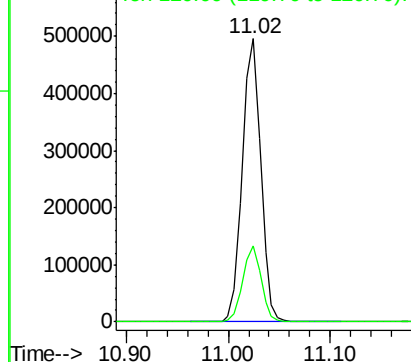
Lab File: VX002249.D

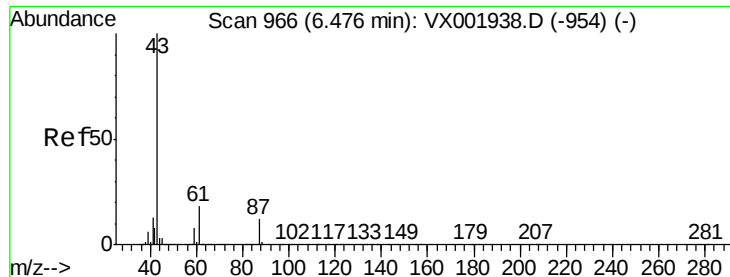
Acq: 02 Jun 2018 19:37

Tgt Ion:	105	Resp:	616269
Ion Ratio	Lower	Upper	
105	100		
120	26.6	13.6	40.7



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





#74

N-amvl acetate

Concen: 49.266 ug/l

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

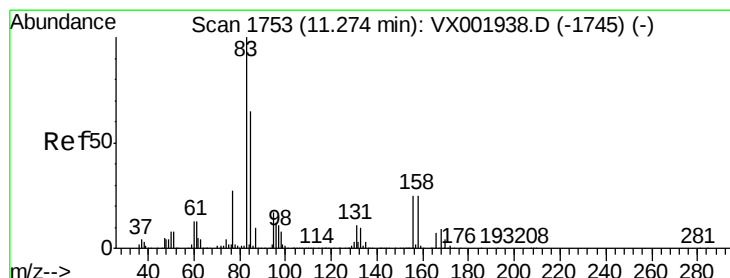
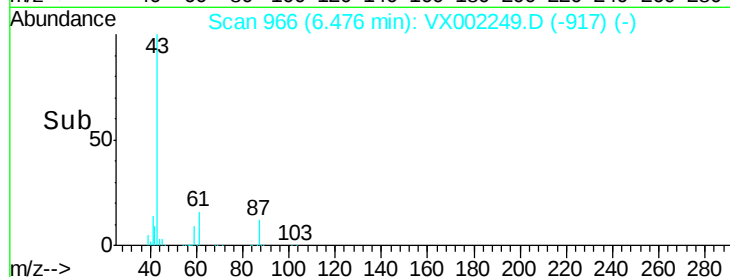
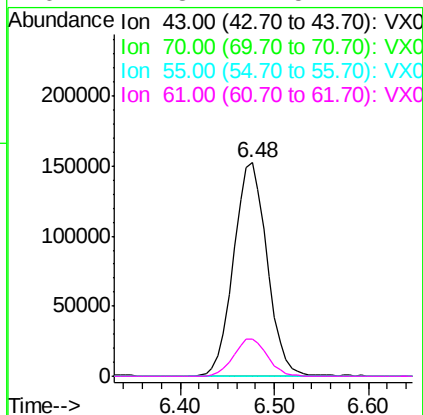
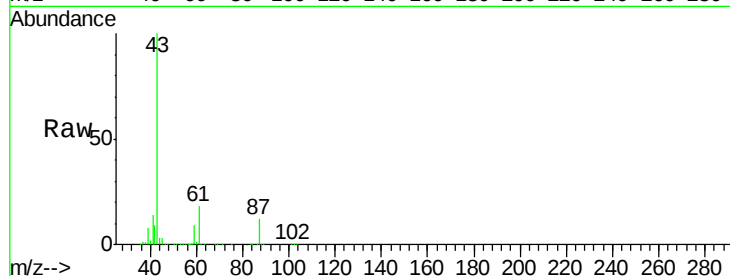
ClientSampleId :

LF6-0050MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		376910		
70	0.0	0.1	0.1#		
55	0.1	0.1	0.1#		
61	17.8	14.5	21.7		

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#75

1,1,2,2-Tetrachloroethane

Concen: 57.469 ug/l

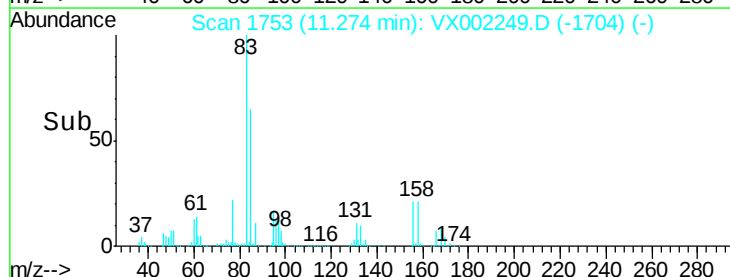
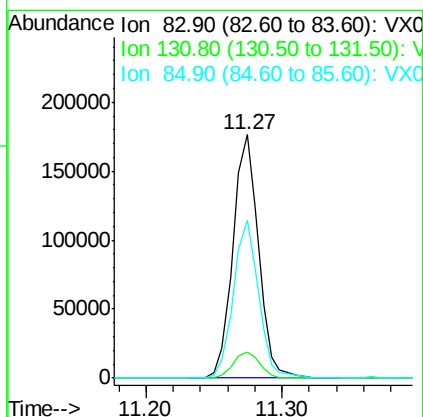
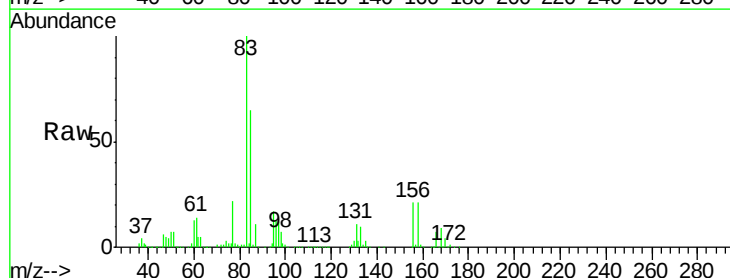
RT: 11.27 min Scan# 1753

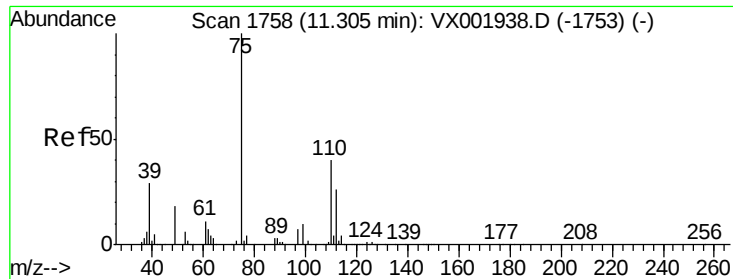
Delta R.T. 0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		230820		
131	11.1	5.7	17.0		
85	64.0	32.6	97.7		





#76

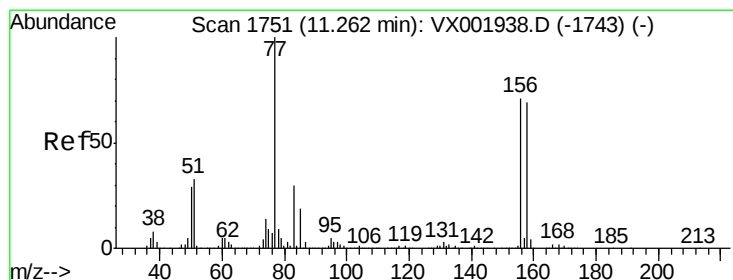
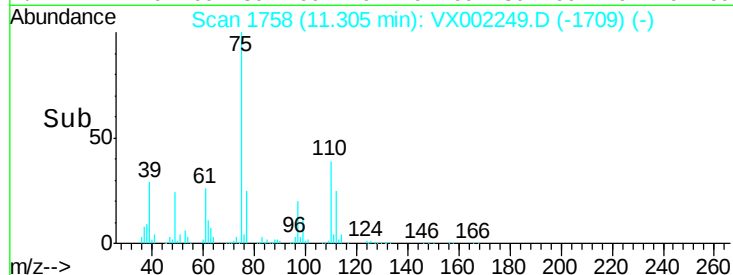
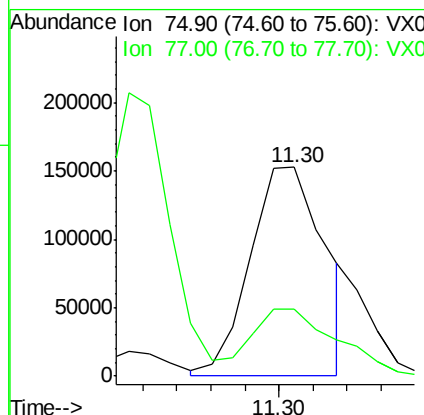
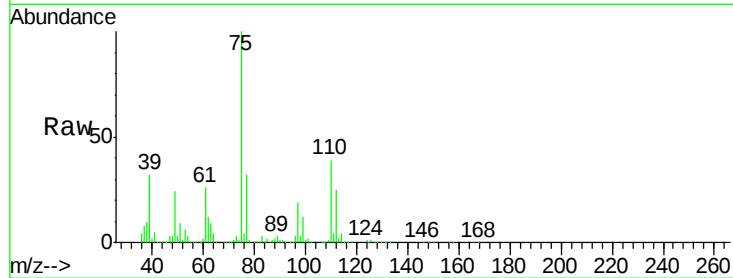
1,2,3-Trichloropropane
Concen: 55.565 ug/l m
RT: 11.30 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
LF6-0050MS

Tot Ion: 75 Resp: 232216
Ion Ratio Lower Upper
75 100
77 37.7 22.8 68.3

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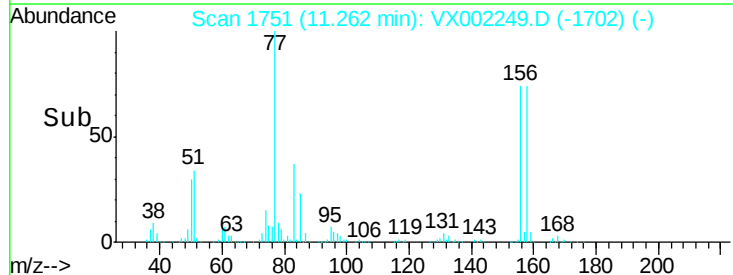
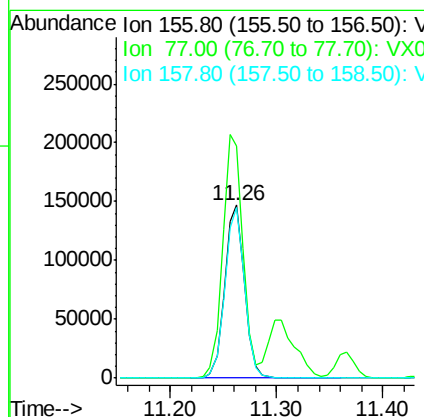
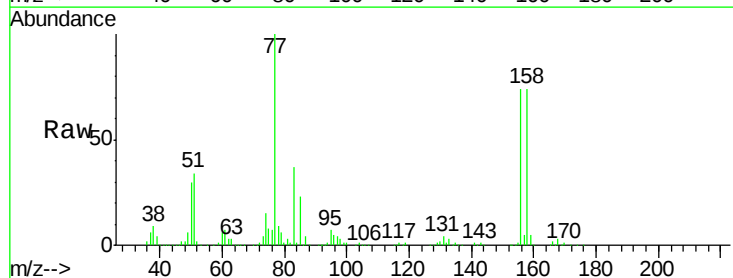
MMDadoda
6/4/2018 2:31:52 PM

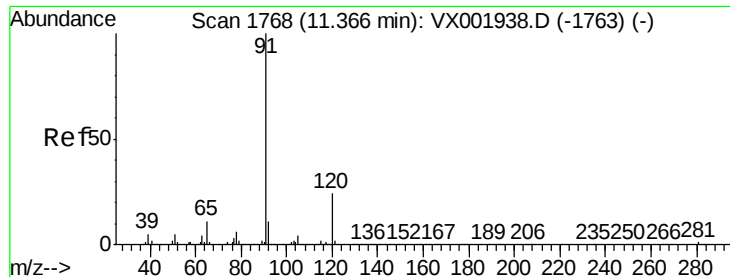


#77

Bromobenzene
Concen: 48.623 ug/l
RT: 11.26 min Scan# 1751
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tgt Ion: 156 Resp: 190073
Ion Ratio Lower Upper
156 100
77 142.7 75.2 225.6
158 97.8 48.6 145.8





#78

n-propylbenzene

Concen: 40.926 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

ClientSampled :

LF6-0050MS

Tot Ion: 91 Resp: 675355

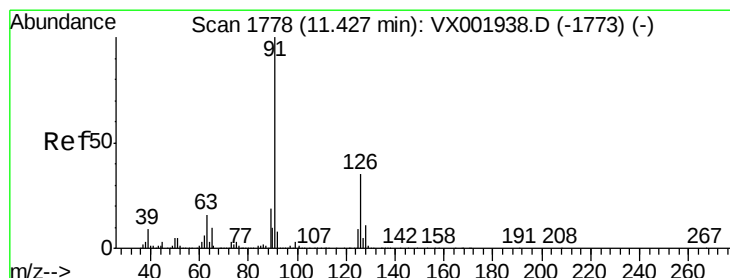
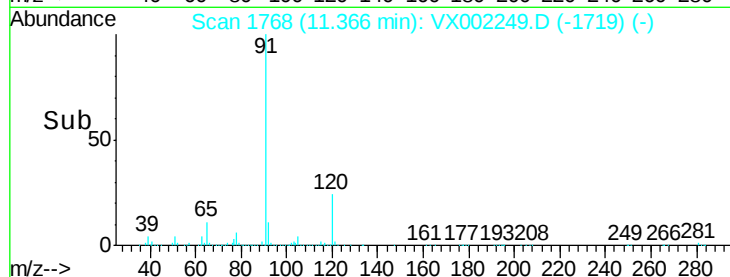
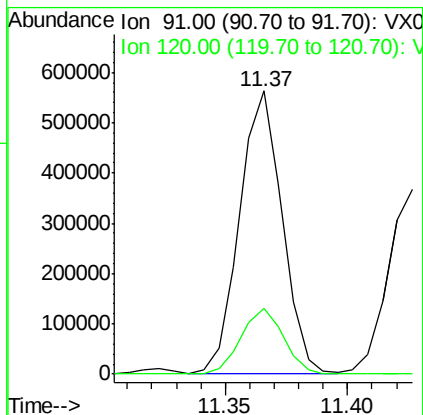
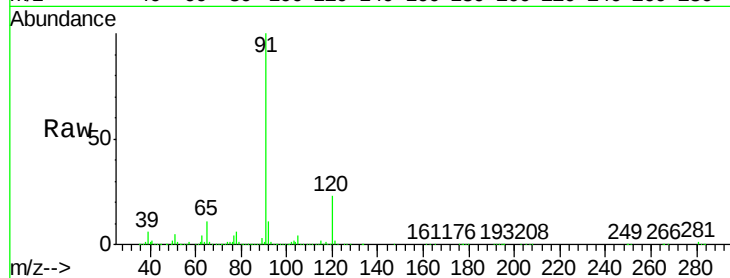
Ion Ratio Lower Upper

91 100

120 23.4 11.9 35.7

Manual Integrations
APPROVED

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#79

2-Chlorotoluene

Concen: 49.447 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VX002249.D

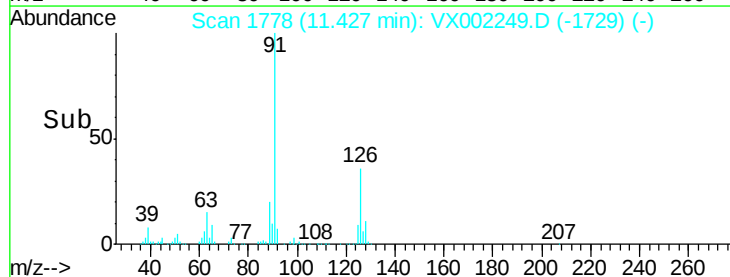
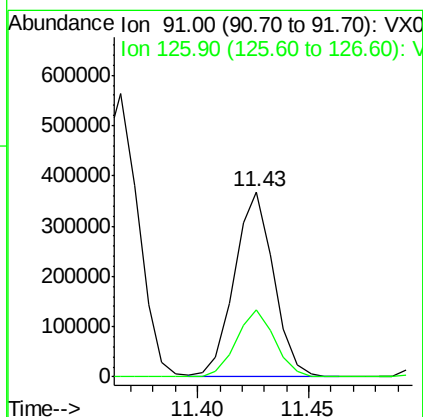
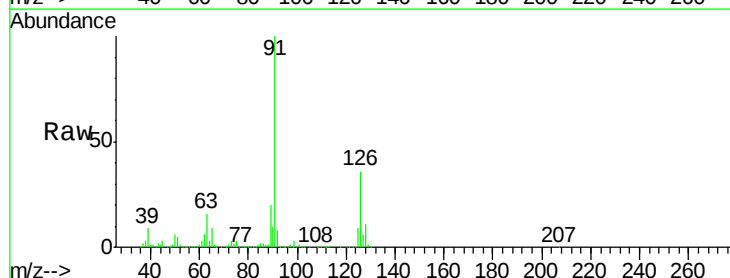
Acq: 02 Jun 2018 19:37

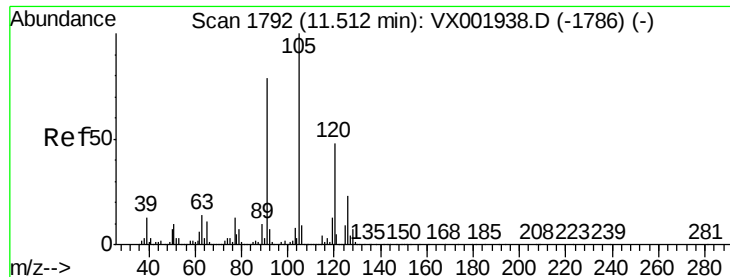
Tgt Ion: 91 Resp: 447847

Ion Ratio Lower Upper

91 100

126 35.7 17.4 52.2





#80

1,3,5-Trimethylbenzene

Concen: 42.718 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

ClientSampled :

LF6-0050MS

Tot Ion:105 Resp: 537879

Ion Ratio Lower Upper

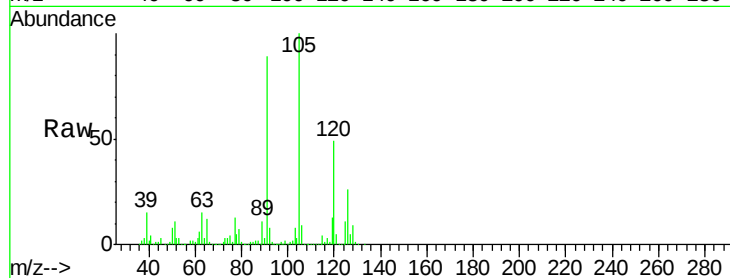
105 100

120 48.5 24.1 72.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.51

400000

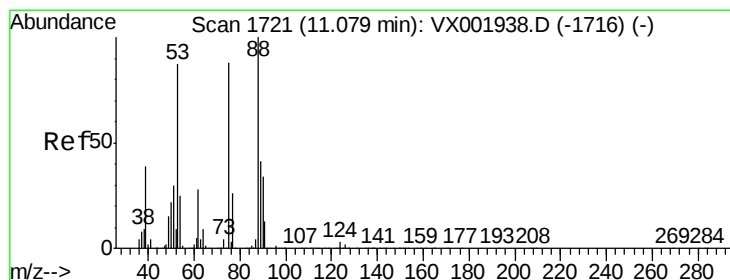
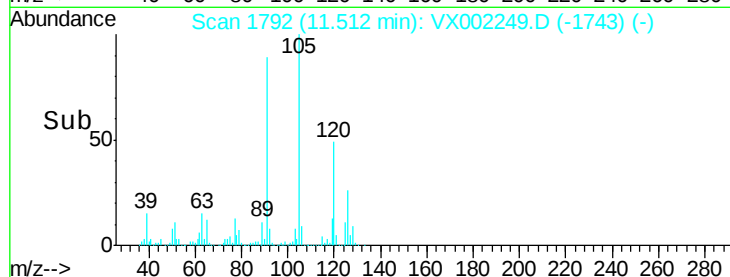
300000

200000

100000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 34.313 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

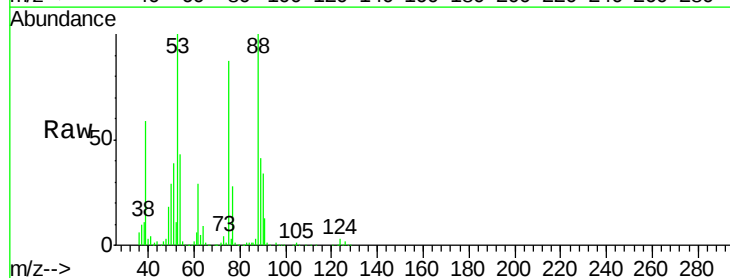
Tgt Ion: 75 Resp: 59666

Ion Ratio Lower Upper

75 100

53 115.5 78.0 117.0

89 47.1 39.4 59.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

100000

80000

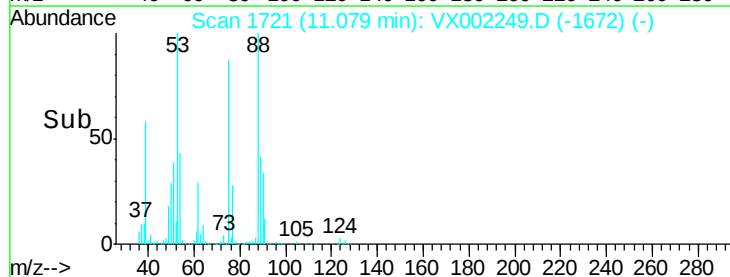
60000

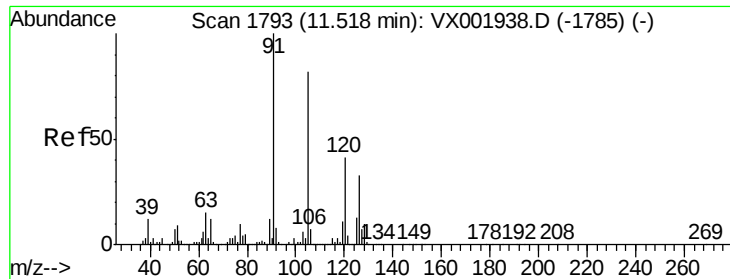
40000

20000

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Time-->





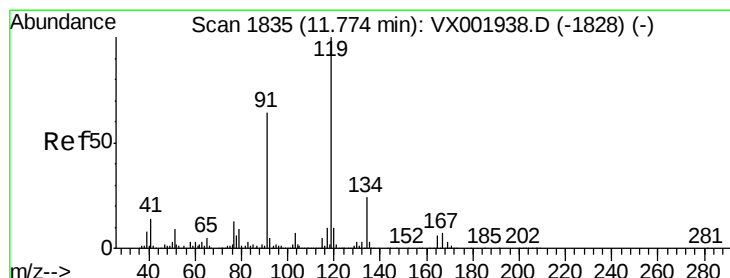
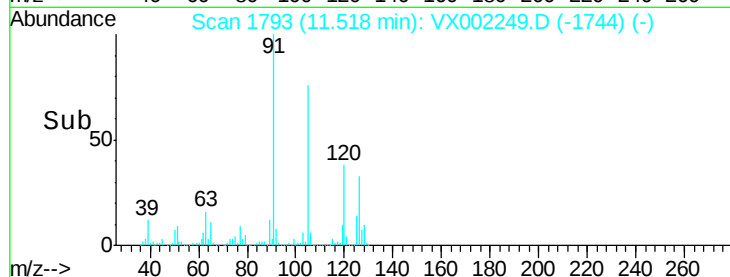
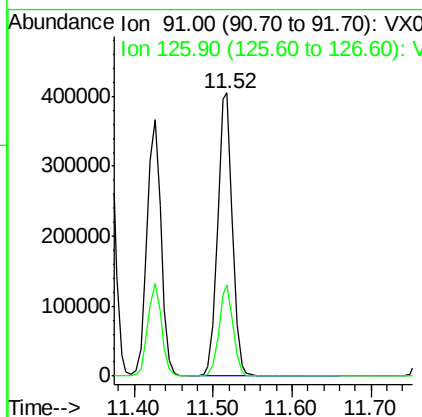
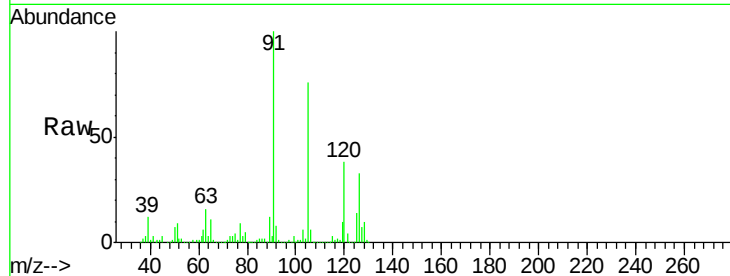
#82
4-Chlorotoluene
Concen: 45.178 ug/l
RT: 11.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
LF6-0050MS

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.3	45.8

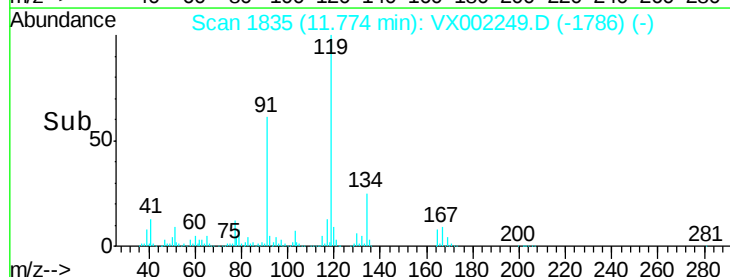
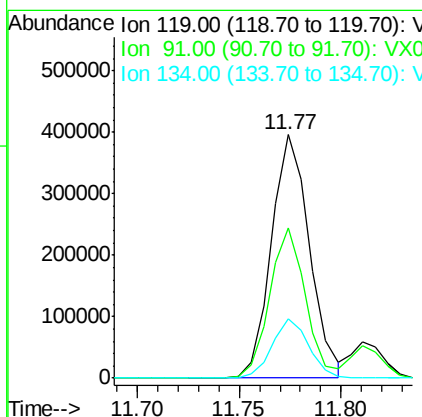
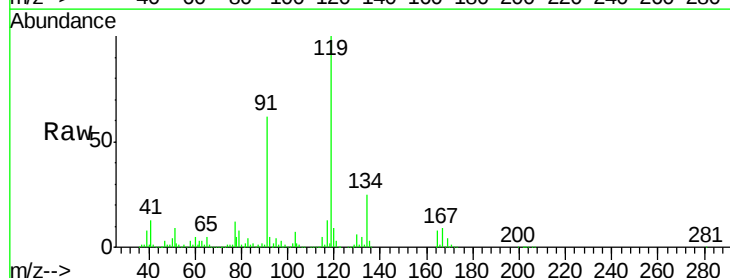
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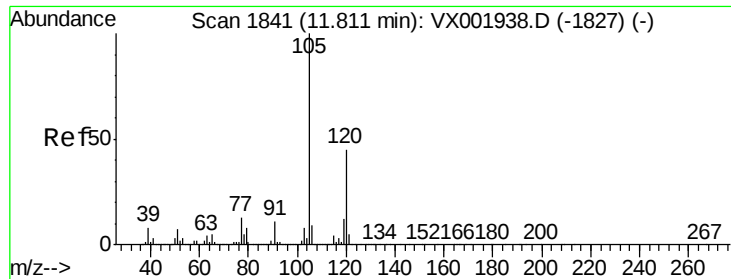
MMDadoda
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#83
tert-Butylbenzene
Concen: 41.688 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tgt Ion	Ratio	Lower	Upper
119	100		
91	58.2	30.6	91.8
134	23.8	11.7	35.0





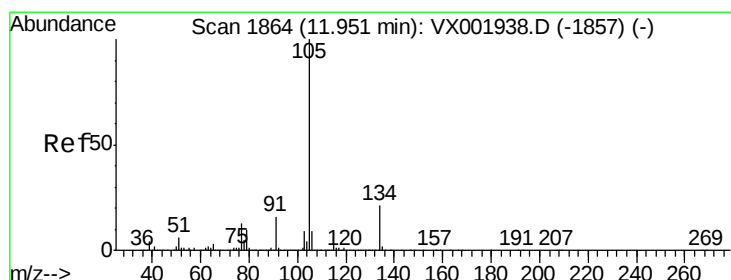
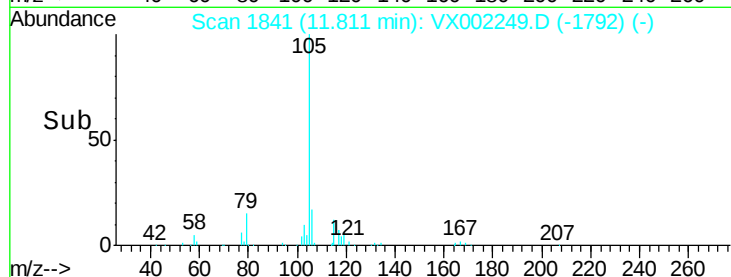
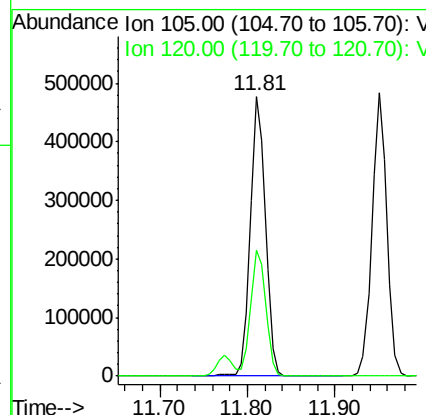
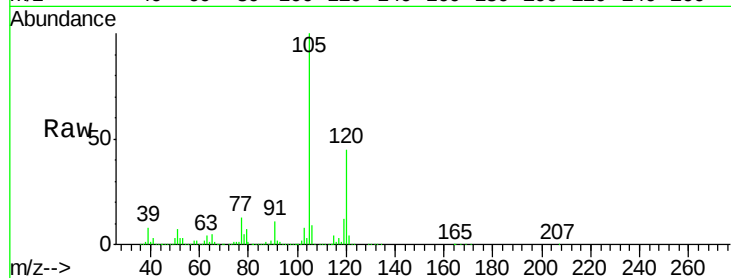
#84
 1,2,4-Trimethylbenzene
 Concen: 43.896 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002249.D
 Acq: 02 Jun 2018 19:37

Instrument :
 MSVOA_X
 ClientSampled :
 LF6-0050MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.1	66.5

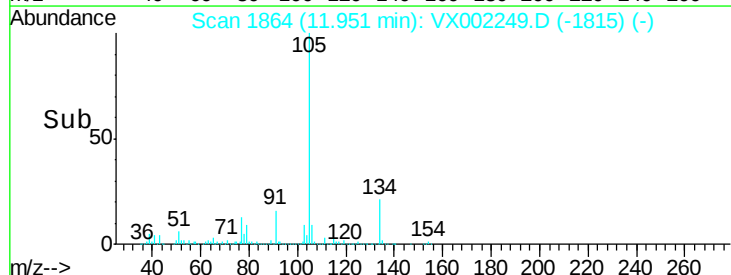
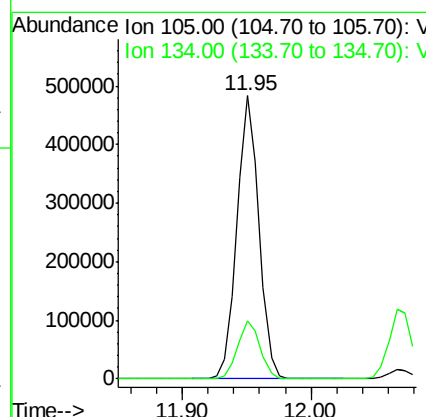
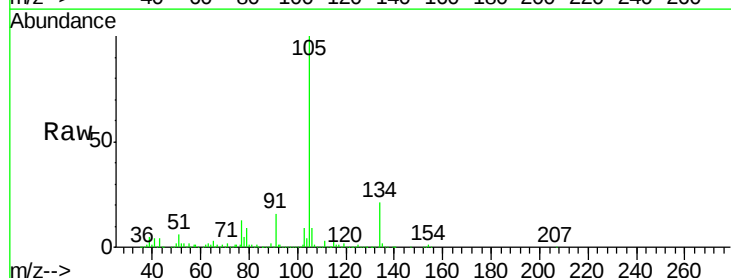
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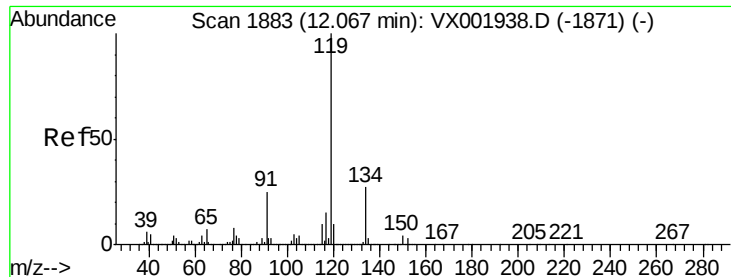
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#85
 sec-Butylbenzene
 Concen: 38.892 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002249.D
 Acq: 02 Jun 2018 19:37

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.4	31.4





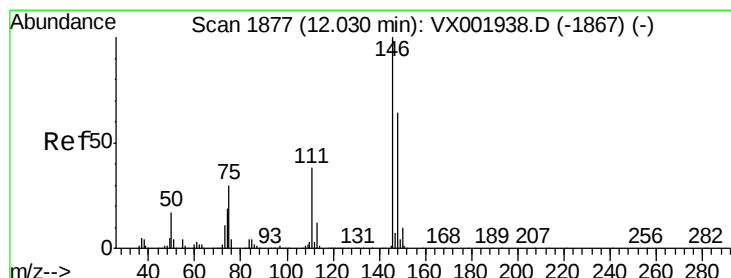
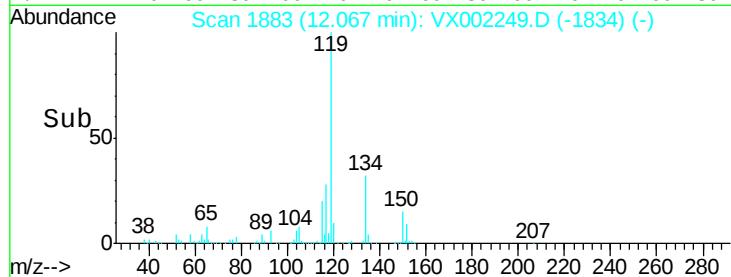
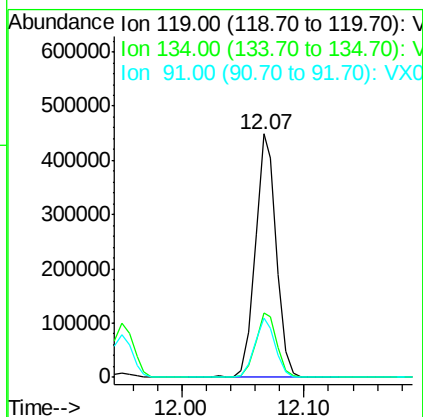
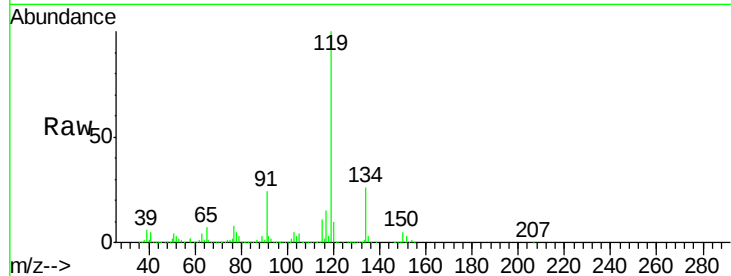
#86
p-Isopropyltoluene
Concen: 40.553 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
LF6-0050MS

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.8
91	23.9	12.2	36.4

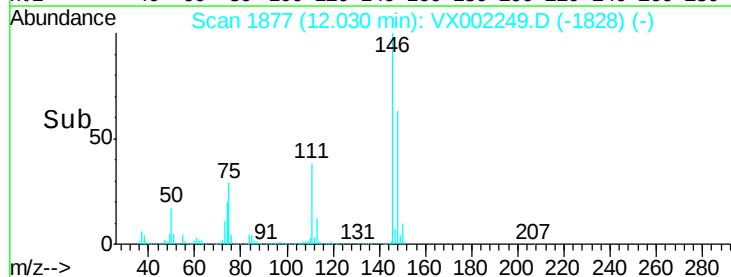
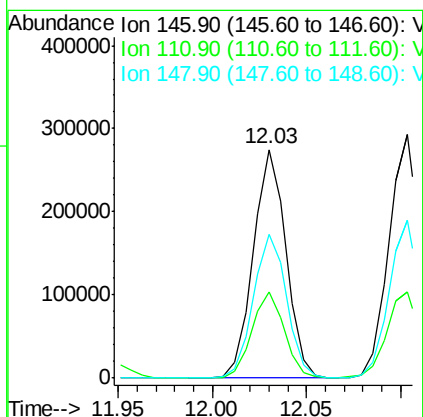
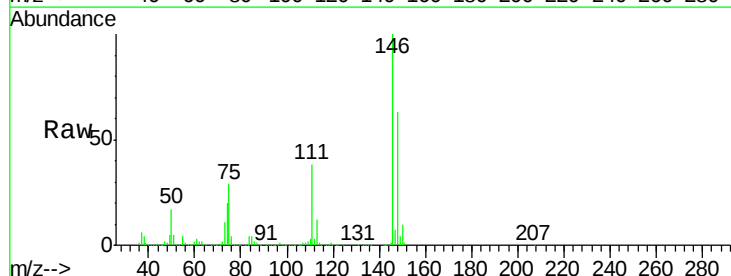
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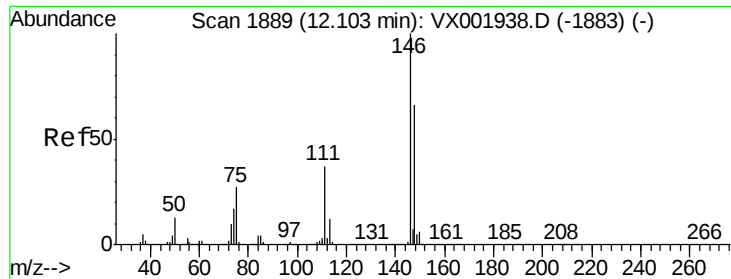
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#87
1,3-Dichlorobenzene
Concen: 47.193 ug/l
RT: 12.03 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.3	57.8
148	63.9	32.1	96.3





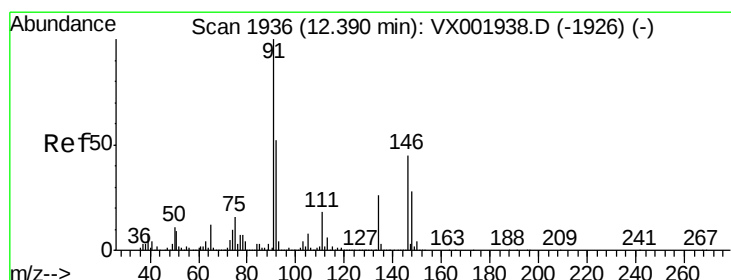
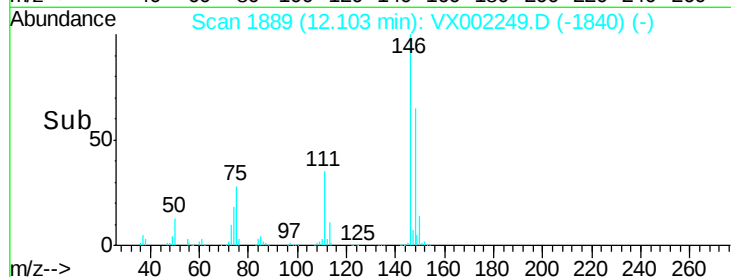
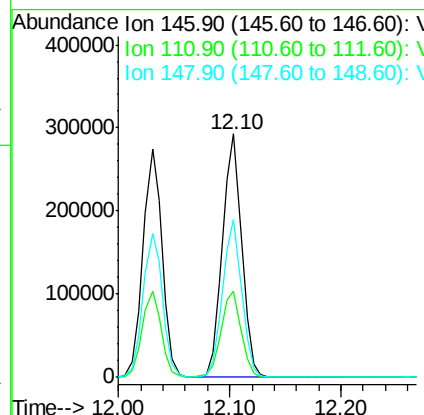
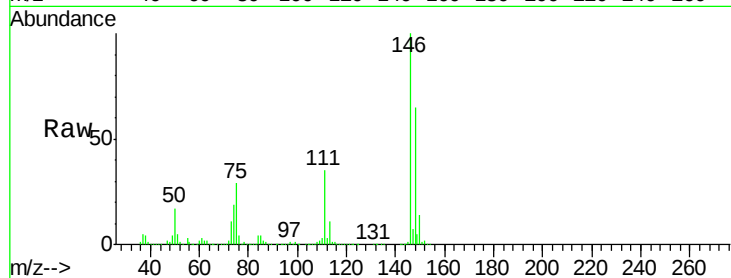
#88
 1,4-Dichlorobenzene
 Concen: 50.315 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VX002249.D
 Acq: 02 Jun 2018 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 LF6-0050MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.9	56.5
148	64.5	32.3	96.8

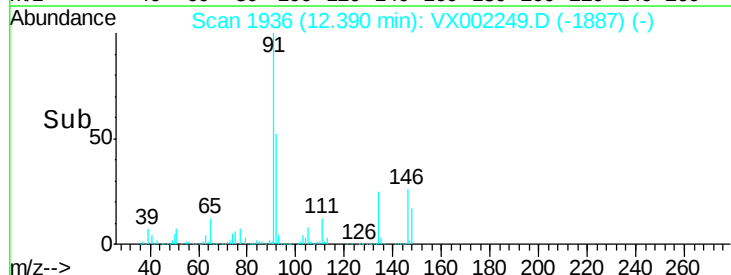
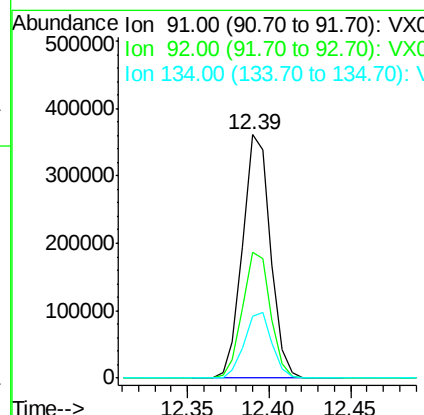
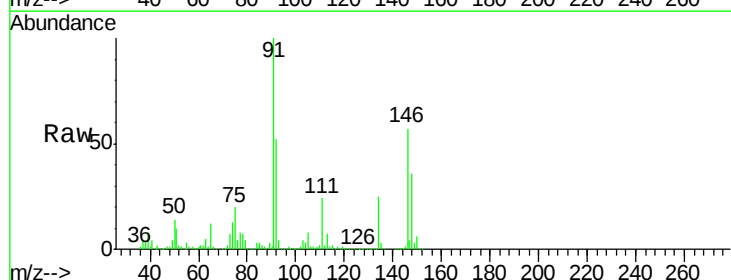
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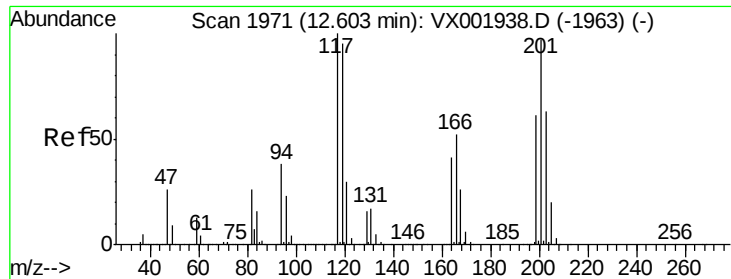
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#89
 n-Butylbenzene
 Concen: 38.237 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VX002249.D
 Acq: 02 Jun 2018 19:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.3	78.9
134	26.9	13.6	40.7





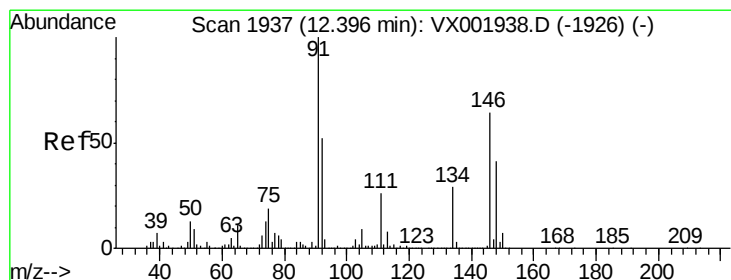
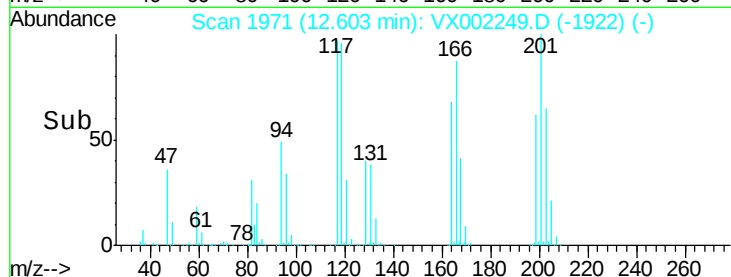
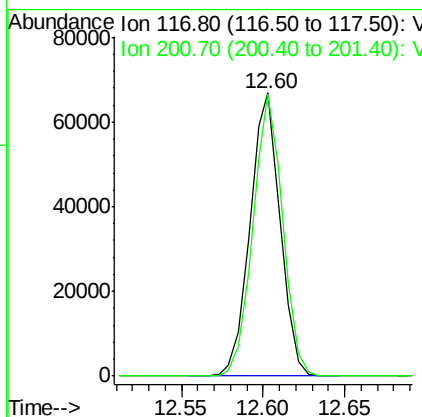
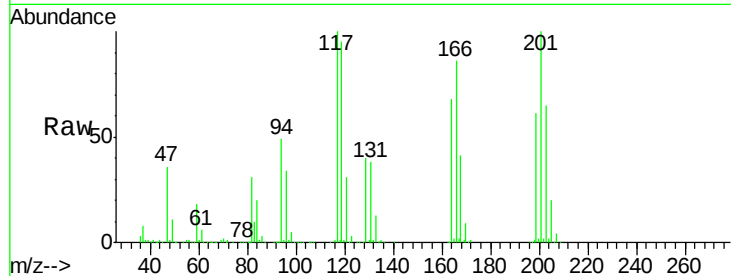
#90
Hexachloroethane
Concen: 32.636 ug/l
RT: 12.60 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Instrument :
MSVOA_X
ClientSampleId :
LF6-0050MS

Tot Ion:117 Resp: 85562
Ion Ratio Lower Upper
117 100
201 97.8 48.0 144.0

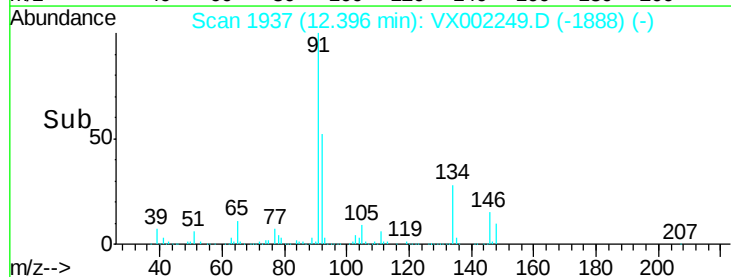
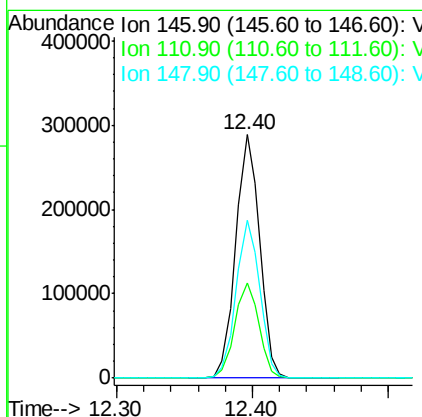
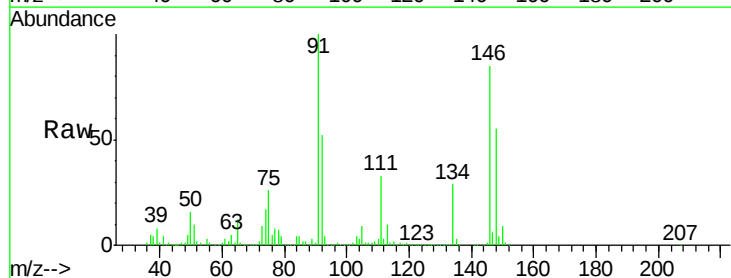
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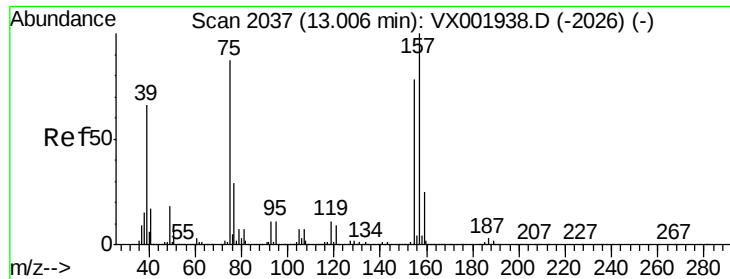
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#91
1,2-Dichlorobenzene
Concen: 49.652 ug/l
RT: 12.40 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VX002249.D
Acq: 02 Jun 2018 19:37

Tgt Ion:146 Resp: 354163
Ion Ratio Lower Upper
146 100
111 39.4 19.8 59.3
148 64.5 32.1 96.5





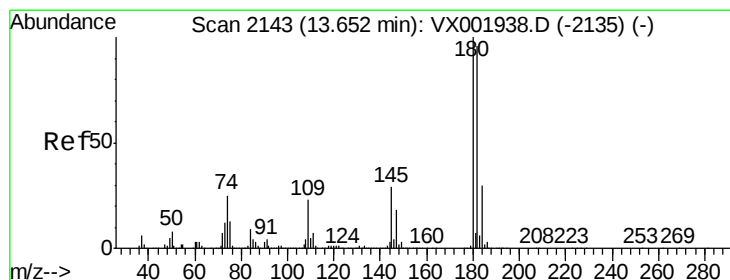
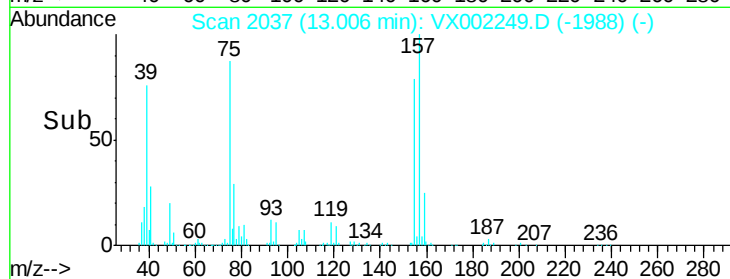
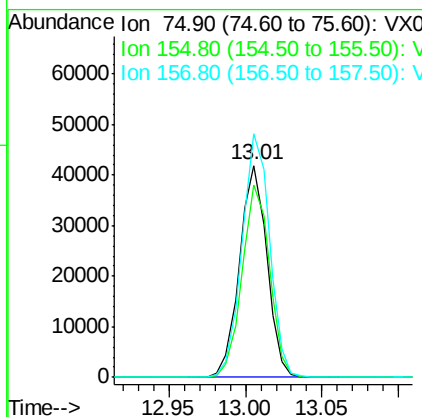
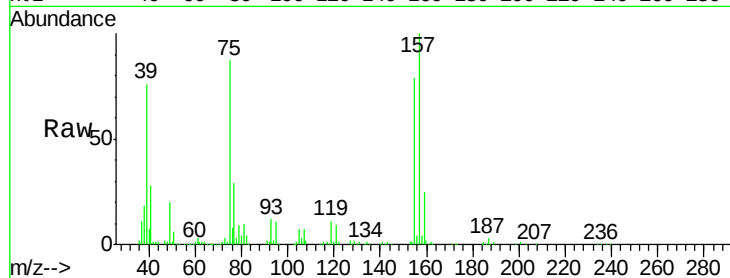
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 39.803 ug/l
 RT: 13.01 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VX002249.D
 Acq: 02 Jun 2018 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 LF6-0050MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	91.1	45.1	135.2
157	116.0	58.1	174.2

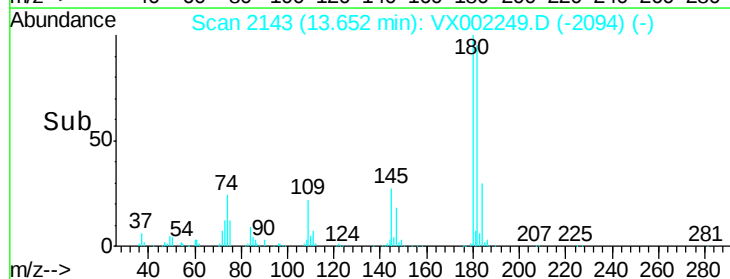
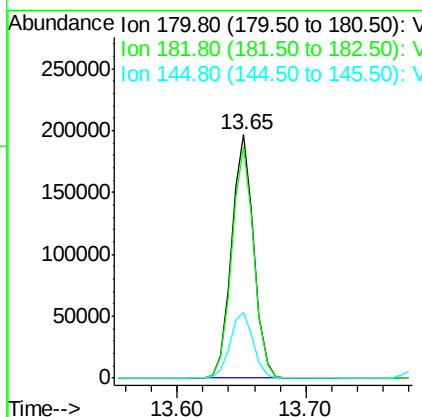
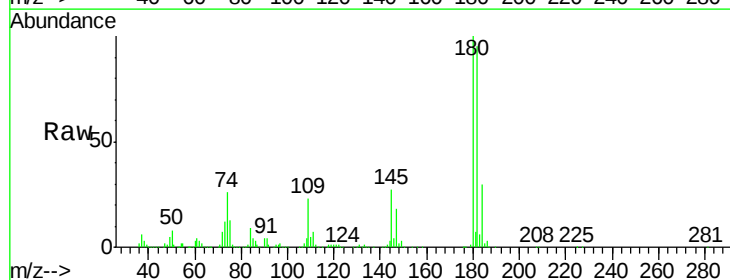
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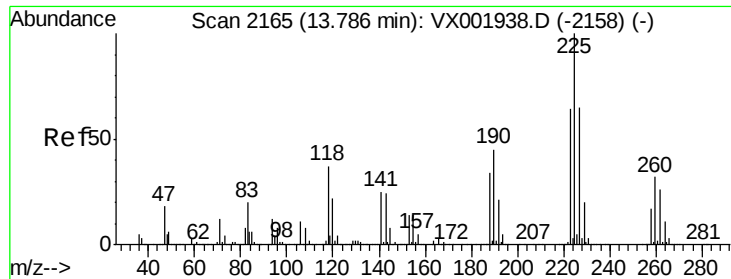
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#93
 1,2,4-Trichlorobenzene
 Concen: 46.071 ug/l
 RT: 13.65 min Scan# 2143
 Delta R.T. -0.00 min
 Lab File: VX002249.D
 Acq: 02 Jun 2018 19:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.7	143.1
145	27.9	14.4	43.0





#94

Hexachlorobutadiene

Concen: 35.593 ug/l

RT: 13.79 min Scan# 2165

Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Instrument :

MSVOA_X

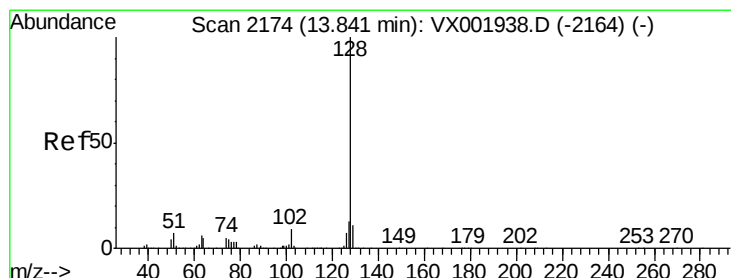
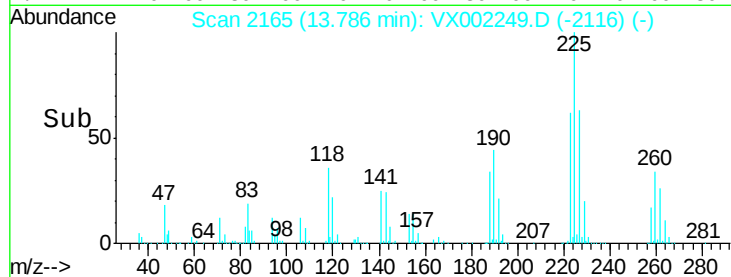
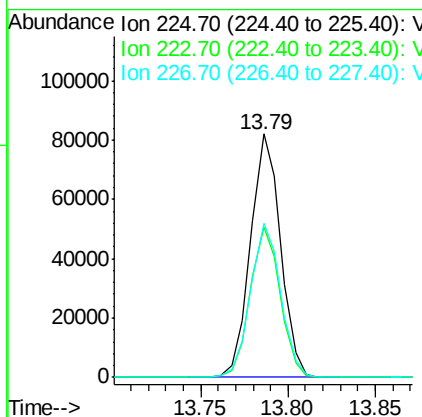
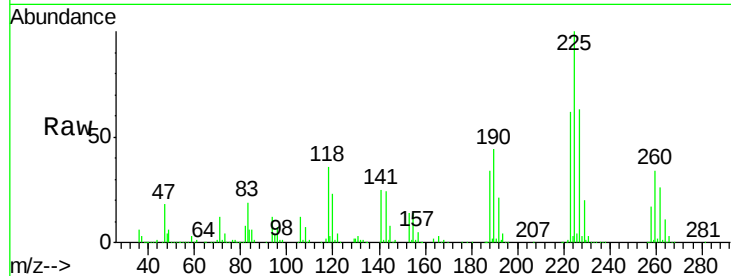
ClientSampled :

LF6-0050MS

Tot Ion:	225	Resp:	97657
Ion Ratio	Lower	Upper	
225	100		
223	61.5	31.1	93.5
227	63.4	32.1	96.5

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#95

Naphthalene

Concen: 49.759 ug/l

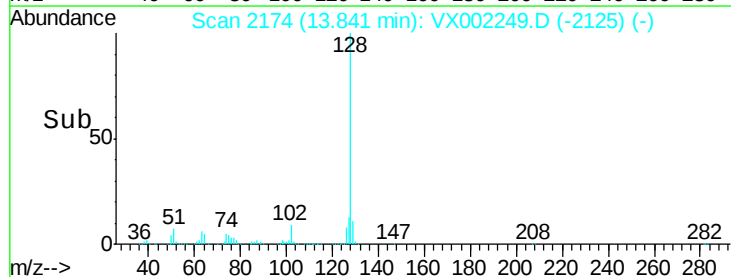
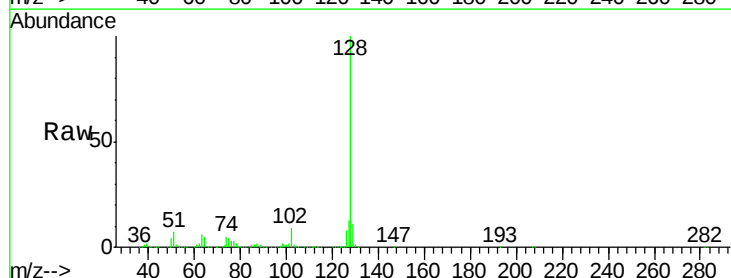
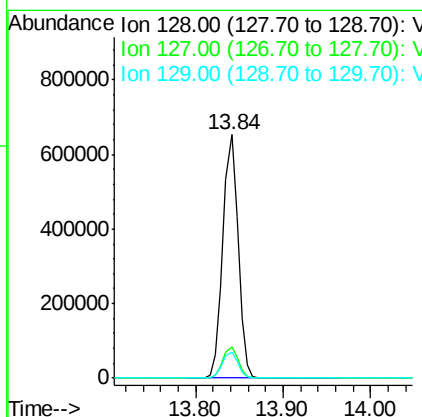
RT: 13.84 min Scan# 2174

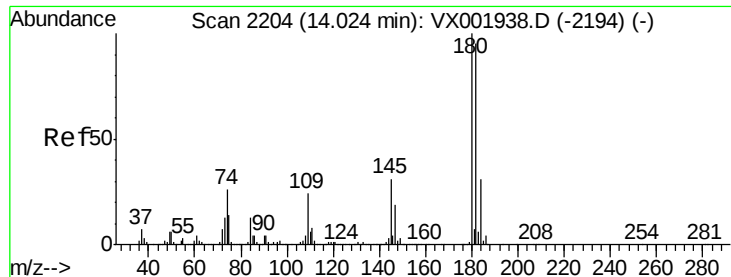
Delta R.T. -0.00 min

Lab File: VX002249.D

Acq: 02 Jun 2018 19:37

Tgt Ion:	128	Resp:	781927
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.1	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 48.646 ug/l
 RT: 14.02 min Scan# 2204
 Delta R.T. -0.00 min
 Lab File: VX002249.D
 Acq: 02 Jun 2018 19:37

Instrument :
 MSVOA_X
 ClientSampleId :
 LF6-0050MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.6	47.9	143.6
145	29.6	15.1	45.3

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 6/4/2018 2:31:52 PM

