

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110218\
 Data File : VX005769.D
 Acq On : 02 Nov 2018 20:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/5/2018 3:09:45 PM

Quant Time: Nov 03 03:03:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 18:23:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	126307	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	196454	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	176589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	94975	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	87623	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
35) Dibromofluoromethane	5.50	113	68449	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	8.72	98	233669	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	11.14	95	87110	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	76413	52.369	ug/l	97
3) Chloromethane	1.32	50	83698	48.631	ug/l	95
4) Vinyl Chloride	1.40	62	85608	47.810	ug/l	100
5) Bromomethane	1.64	94	80708	36.324	ug/l	96
6) Chloroethane	1.71	64	52932	46.189	ug/l	97
7) Trichlorofluoromethane	1.92	101	108383	47.157	ug/l	97
8) Diethyl Ether	2.19	74	47048	45.541	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.38	101	63758	45.669	ug/l	92
10) Methyl Iodide	2.51	142	67996	50.036	ug/l	100
11) Tert butyl alcohol	3.09	59	124903	249.062	ug/l	100
12) 1,1-Dichloroethene	2.37	96	60083	44.166	ug/l	88
13) Acrolein	2.29	56	53423	153.815	ug/l	99
14) Allyl chloride	2.72	41	125088	44.468	ug/l	95
15) Acrylonitrile	3.15	53	273227	247.763	ug/l	99
16) Acetone	2.45	43	238201	250.899	ug/l	99
17) Carbon Disulfide	2.56	76	175112	41.889	ug/l	99
18) Methyl Acetate	2.78	43	132641	50.050	ug/l	95
19) Methyl tert-butyl Ether	3.20	73	222599	47.271	ug/l	99
20) Methylene Chloride	2.85	84	74000	46.470	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	63708	44.257	ug/l	83
22) Diisopropyl ether	3.87	45	246530	47.245	ug/l #	97
23) Vinyl Acetate	3.82	43	1099478	241.907	ug/l	99
24) 1,1-Dichloroethane	3.70	63	138237	46.850	ug/l	98
25) 2-Butanone	4.71	43	377387	242.266	ug/l	98
26) 2,2-Dichloropropane	4.58	77	81808	37.090	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	74076	45.796	ug/l	99
28) Bromochloromethane	5.01	49	67809	47.106	ug/l	93
29) Tetrahydrofuran	5.17	42	241012	253.487	ug/l	94
30) Chloroform	5.22	83	134766	46.716	ug/l	97
31) Cyclohexane	5.57	56	112540	45.611	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	108744	47.101	ug/l	97
36) 1,1-Dichloropropene	5.80	75	97449	46.558	ug/l	98
37) Ethyl Acetate	4.86	43	134409	50.335	ug/l	99
38) Carbon Tetrachloride	5.78	117	91541	48.408	ug/l	88

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Quant Time: Nov 03 03:03:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 18:23:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	99942	45.784	ug/l	99
40) Benzene	6.15	78	297051	47.704	ug/l	100
41) Methacrylonitrile	5.07	41	70545	48.893	ug/l	95
42) 1,2-Dichloroethane	6.20	62	111021	48.236	ug/l	98
43) Isopropyl Acetate	6.46	43	191165	49.324	ug/l	97
44) Trichloroethene	7.21	130	67217	46.673	ug/l	92
45) 1,2-Dichloropropane	7.52	63	76420	47.890	ug/l	100
46) Dibromomethane	7.66	93	47459	46.537	ug/l	88
47) Bromodichloromethane	7.90	83	92859	48.544	ug/l	99
48) Methyl methacrylate	7.78	41	94628	50.446	ug/l	95
49) 1,4-Dioxane	7.76	88	43597	1043.724	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	686175	259.647	ug/l	98
52) Toluene	8.79	92	164885	48.955	ug/l	88
53) t-1,3-Dichloropropene	9.04	75	104185	50.257	ug/l	94
54) cis-1,3-Dichloropropene	8.44	75	109362	49.239	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	79520	54.365	ug/l	94
56) Ethyl methacrylate	9.18	69	119315	48.151	ug/l	98
57) 1,3-Dichloropropane	9.37	76	139417	55.488	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	337804	239.976	ug/l	96
59) 2-Hexanone	9.50	43	577729	268.630	ug/l	93
60) Dibromochloromethane	9.59	129	76080	53.827	ug/l	100
61) 1,2-Dibromoethane	9.68	107	76821	51.542	ug/l	99
64) Tetrachloroethene	9.34	164	74212	57.523	ug/l #	91
65) Chlorobenzene	10.14	112	180892	48.206	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	65924	51.318	ug/l	98
67) Ethyl Benzene	10.25	91	333096	52.011	ug/l	91
68) m/p-Xylenes	10.36	106	243520	102.330	ug/l	96
69) o-Xylene	10.70	106	115951	50.944	ug/l	97
70) Styrene	10.71	104	199583	52.796	ug/l	99
71) Bromoform	10.86	173	52307	50.255	ug/l	100
73) Isopropylbenzene	11.02	105	320856	51.207	ug/l	99
74) N-amyl acetate	10.90	43	168084	50.385	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	125744	48.371	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	116573m	49.281	ug/l	
77) Bromobenzene	11.26	156	76414	49.161	ug/l	88
78) n-propylbenzene	11.36	91	386158	50.660	ug/l	96
79) 2-Chlorotoluene	11.42	91	227536	49.979	ug/l	96
80) 1,3,5-Trimethylbenzene	11.51	105	273177	51.346	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	34309	46.862	ug/l	97
82) 4-Chlorotoluene	11.51	91	268870	49.469	ug/l	96
83) tert-Butylbenzene	11.77	119	256281	50.486	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	280433	52.199	ug/l	98
85) sec-Butylbenzene	11.94	105	329038	50.530	ug/l	97
86) p-Isopropyltoluene	12.07	119	282123	50.942	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	144358	48.032	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	147820	45.784	ug/l	97
89) n-Butylbenzene	12.39	91	268845	48.114	ug/l	98
90) Hexachloroethane	12.60	117	47268	48.108	ug/l	82
91) 1,2-Dichlorobenzene	12.39	146	148553	47.313	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	31005	50.852	ug/l	87

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VSTDCCC050EC

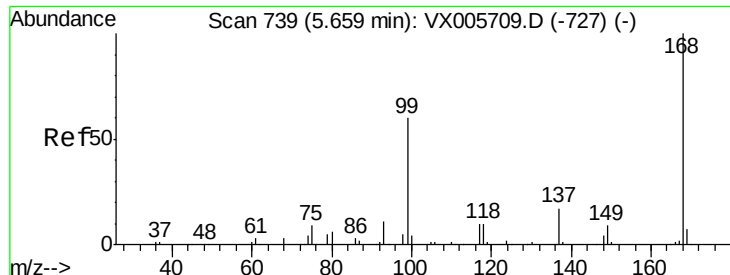
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Oct 31 18:23:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	99478	49.398	ug/l	99
94) Hexachlorobutadiene	13.79	225	45607	46.814	ug/l	99
95) Naphthalene	13.83	128	362257	54.699	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	103440	50.455	ug/l	99

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



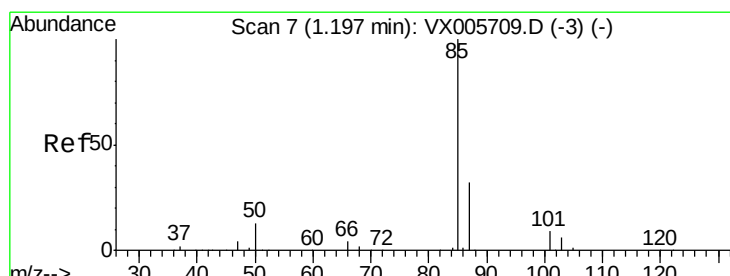
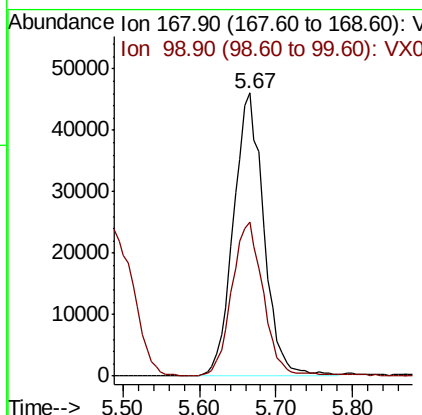
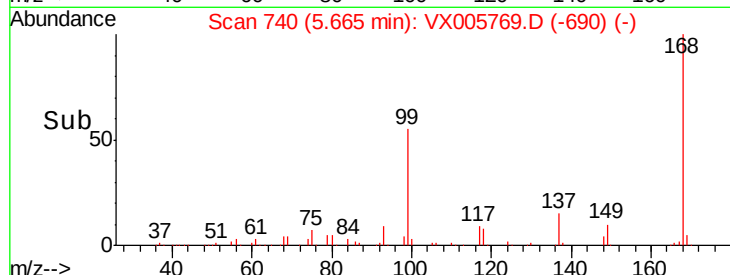
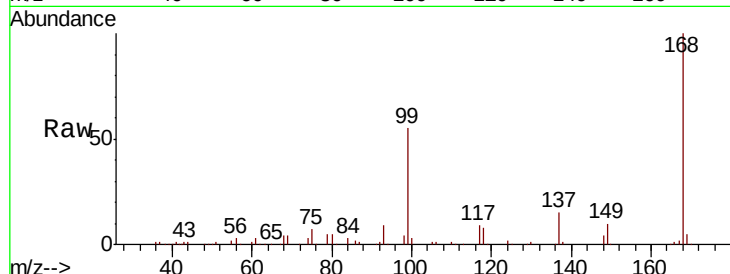
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:168 Resp: 126307
Ion Ratio Lower Upper
168 100
99 54.5 40.7 61.1

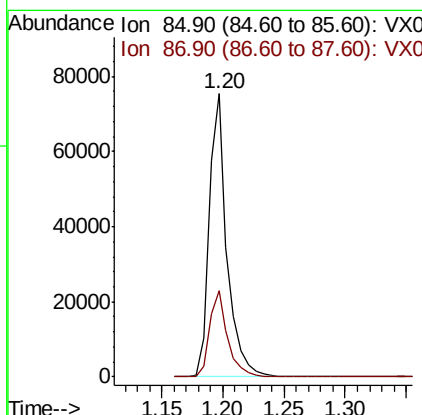
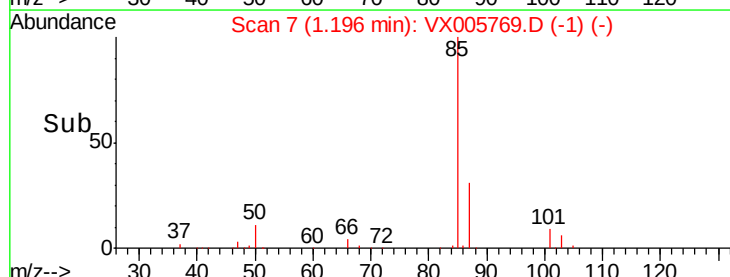
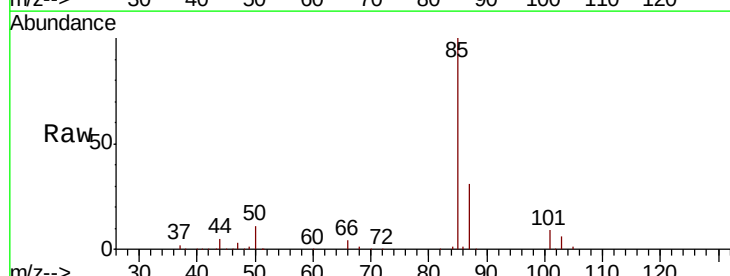
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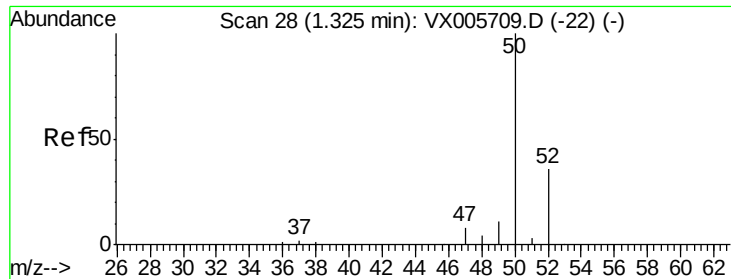
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#2
Dichlorodifluoromethane
Concen: 52.369 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Tgt Ion: 85 Resp: 76413
Ion Ratio Lower Upper
85 100
87 30.6 16.3 48.9





#3

Chloromethane

Concen: 48.631 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 83698

Ion Ratio Lower Upper

50 100

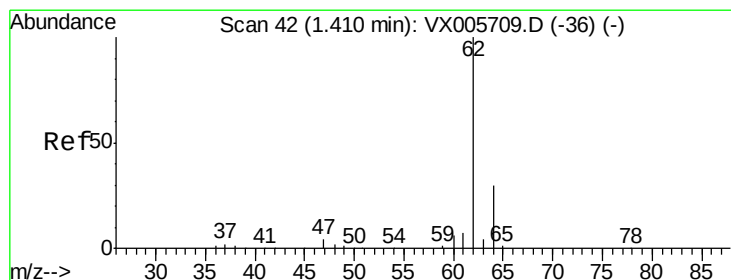
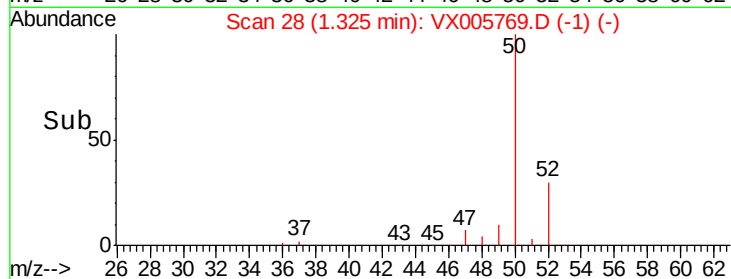
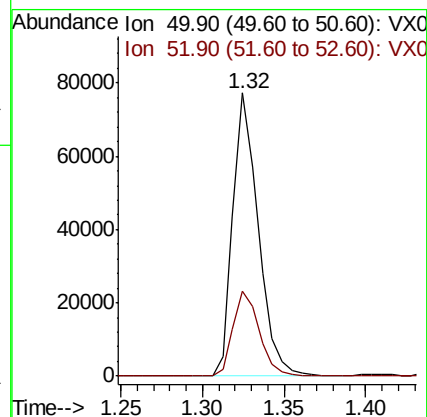
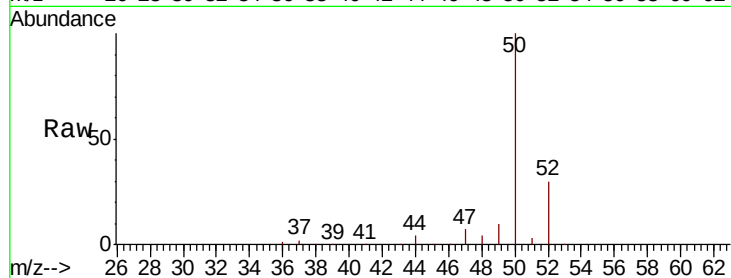
52 30.1 26.2 39.2

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#4

Vinyl Chloride

Concen: 47.810 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX005769.D

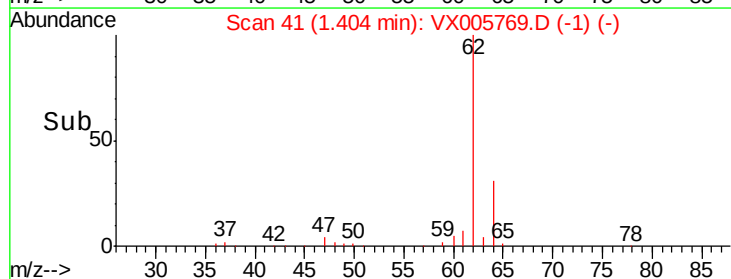
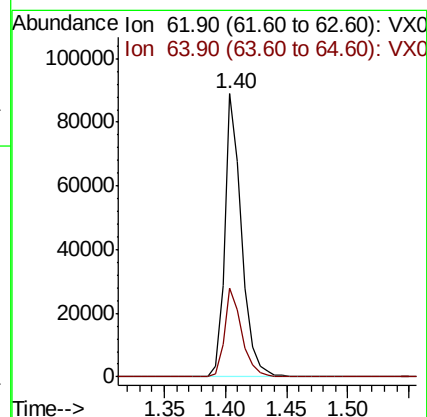
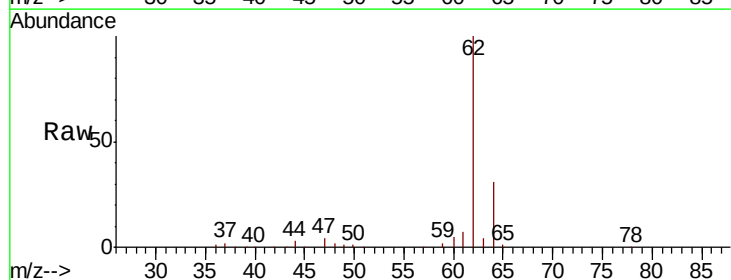
Acq: 02 Nov 2018 20:58

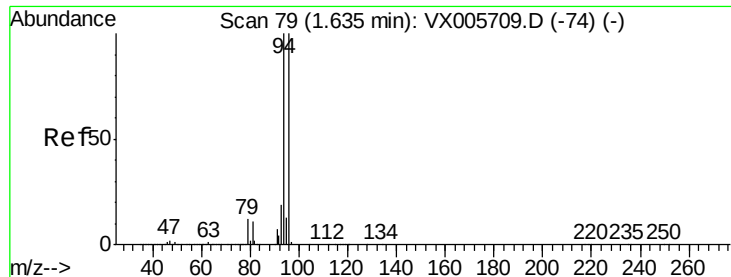
Tgt Ion: 62 Resp: 85608

Ion Ratio Lower Upper

62 100

64 31.4 25.3 37.9





#5

Bromomethane

Concen: 36.324 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Tot Ion: 94 Resp: 80708

Ion Ratio Lower Upper

94 100

96 90.4 75.2 112.8

Instrument :

MSVOA_X

ClientSampleId :

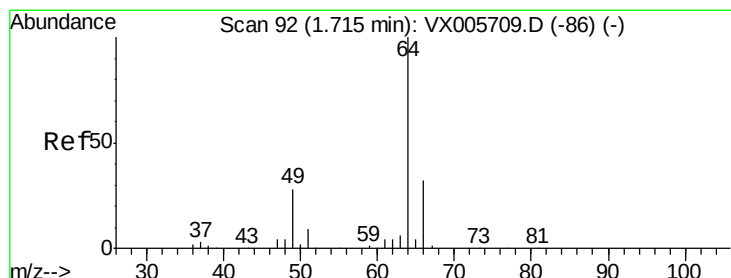
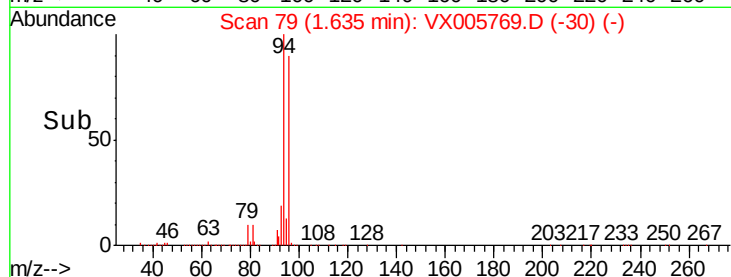
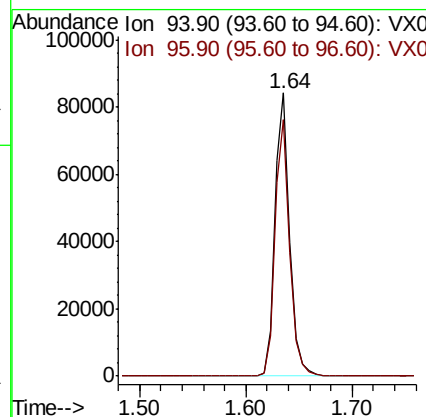
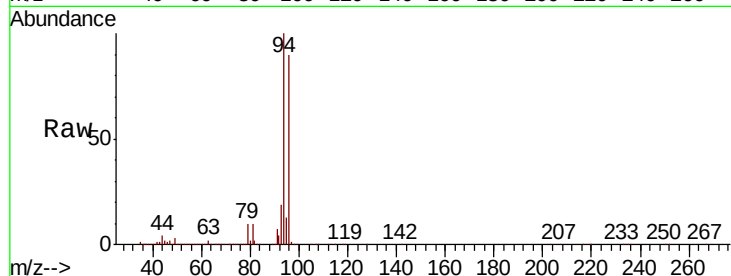
VSTDCCC050EC

Manual Integrations

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#6

Chloroethane

Concen: 46.189 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX005769.D

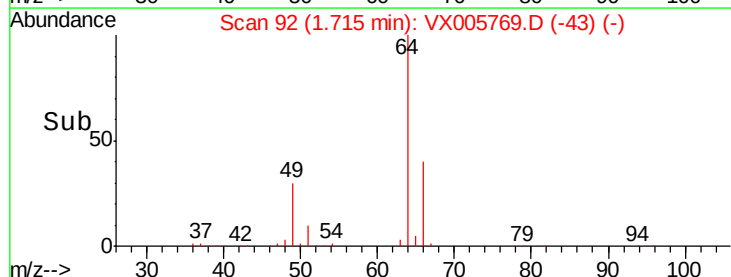
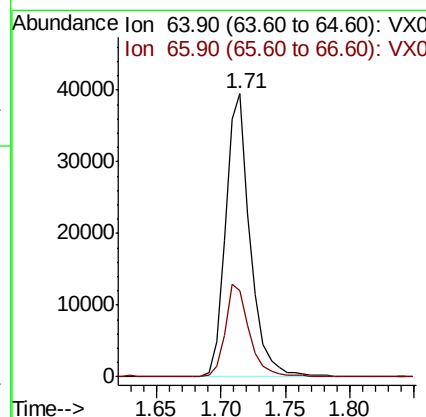
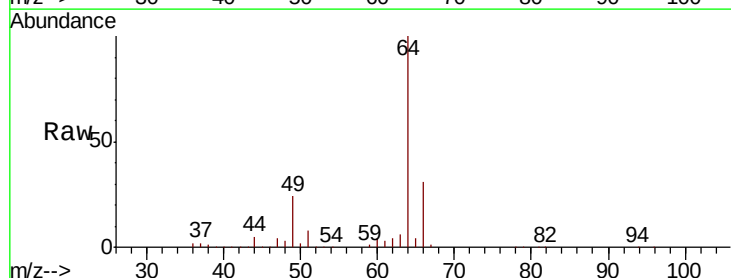
Acq: 02 Nov 2018 20:58

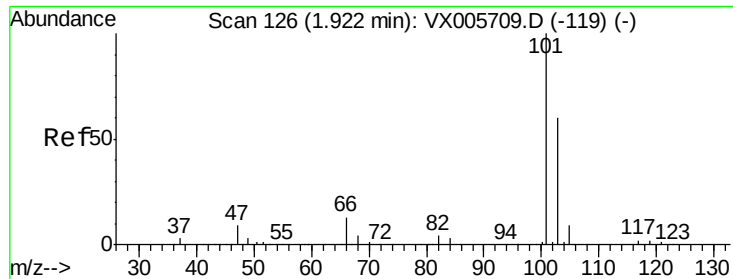
Tgt Ion: 64 Resp: 52932

Ion Ratio Lower Upper

64 100

66 30.6 25.8 38.6





#7

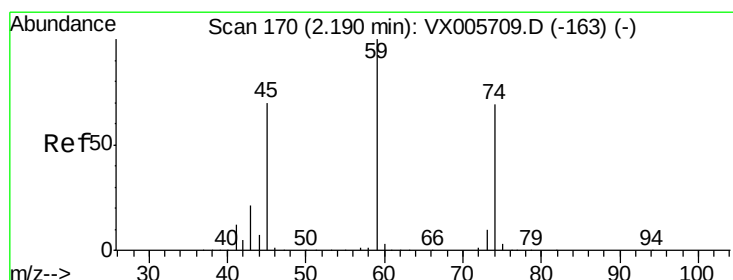
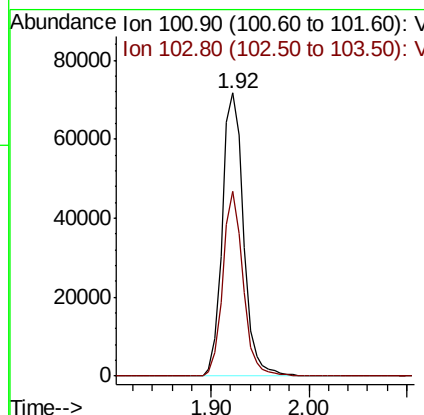
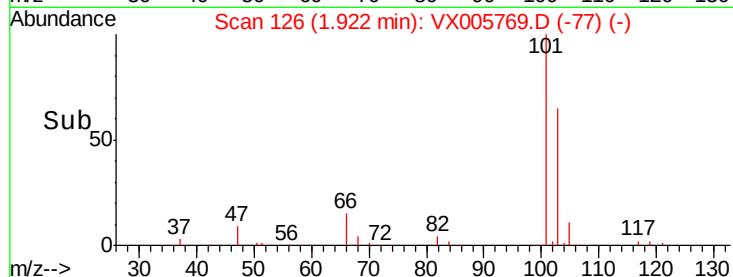
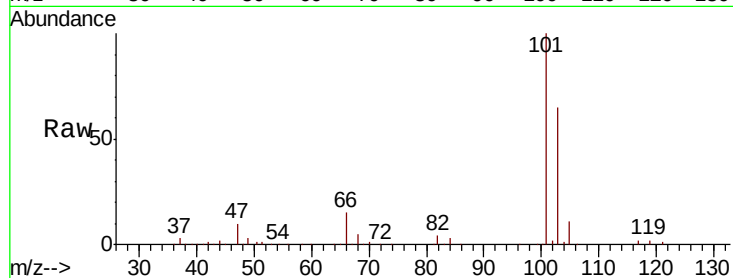
Trichlorofluoromethane
 Concen: 47.157 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.00 min
 Lab File: VX005769.D
 Acq: 02 Nov 2018 20:58

Instrument :
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 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	50.0	75.0

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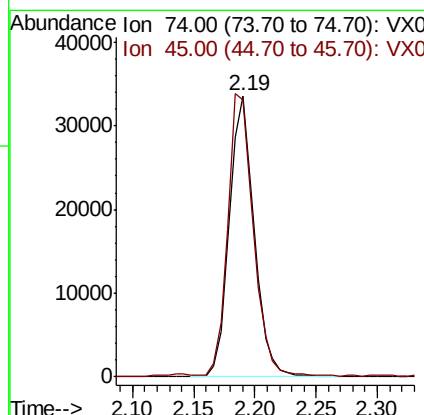
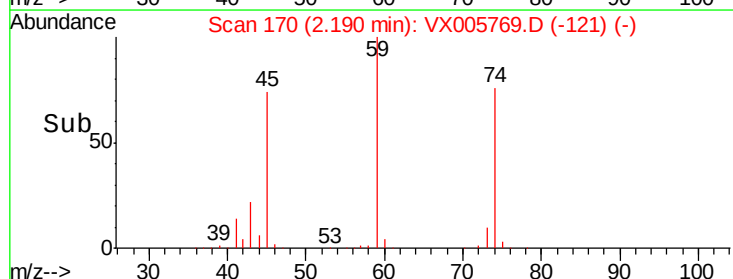
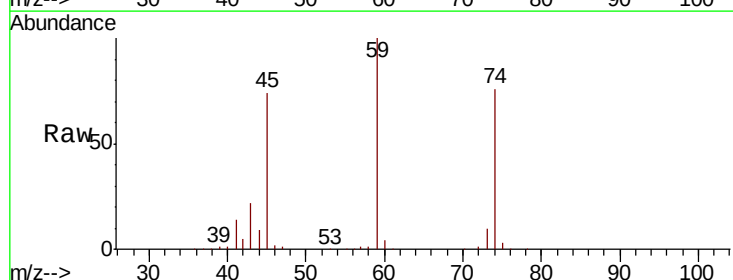
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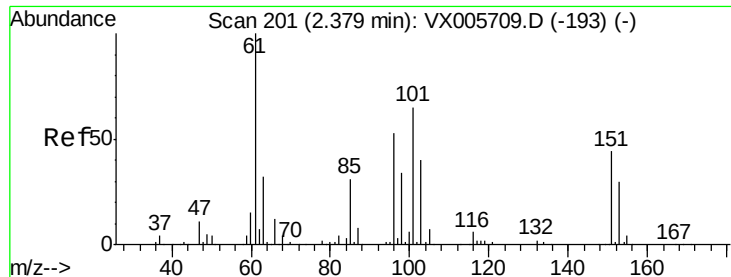


#8

Diethyl Ether
 Concen: 45.541 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX005769.D
 Acq: 02 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.4	54.1	162.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.669 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Instrument :

MSVOA_X

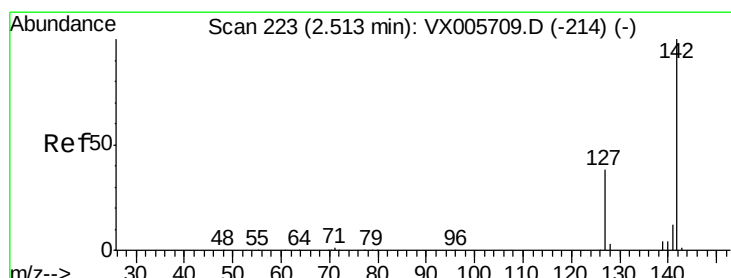
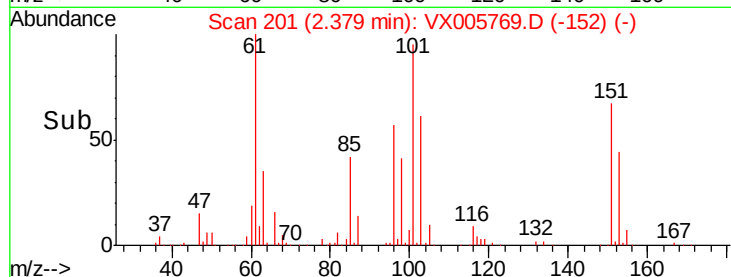
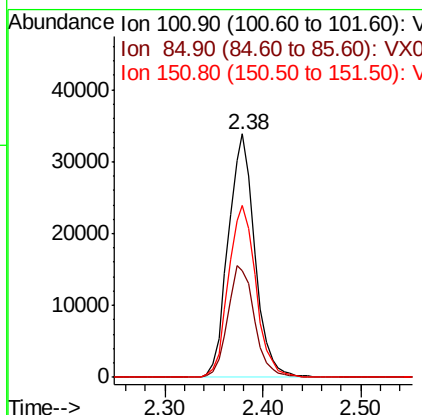
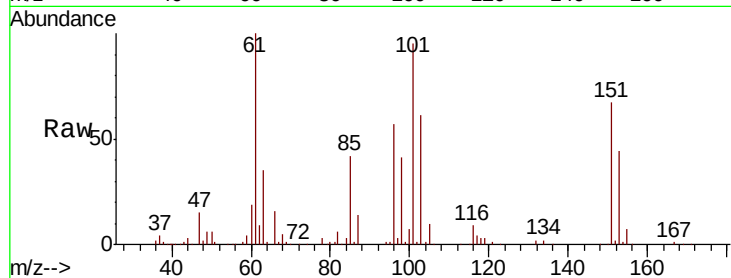
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	63758
Ion Ratio	Lower	Upper	
101	100		
85	46.2	35.0	52.4
151	73.2	66.2	99.2

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#10

Methyl Iodide

Concen: 50.036 ug/l

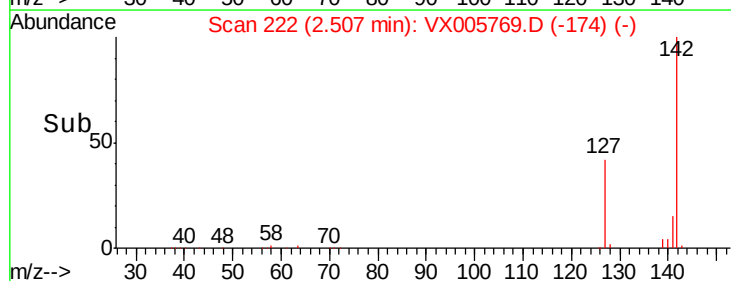
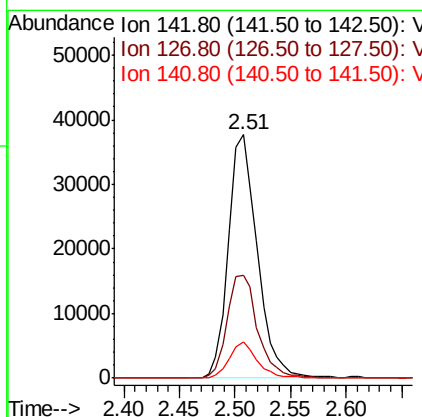
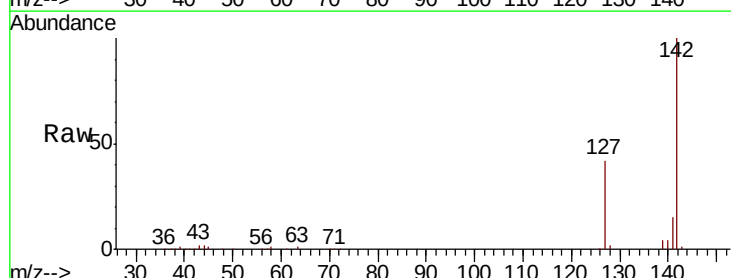
RT: 2.51 min Scan# 222

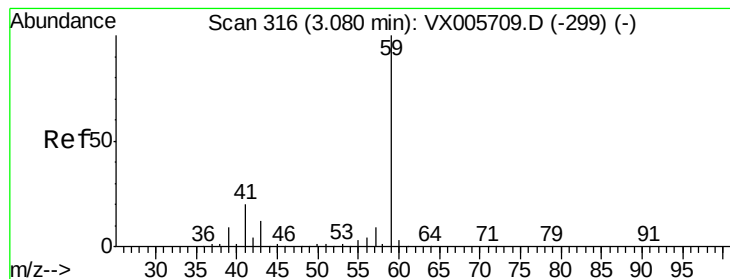
Delta R.T. -0.01 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Tgt Ion:	142	Resp:	67996
Ion Ratio	Lower	Upper	
142	100		
127	44.9	36.0	54.0
141	14.3	11.7	17.5





#11

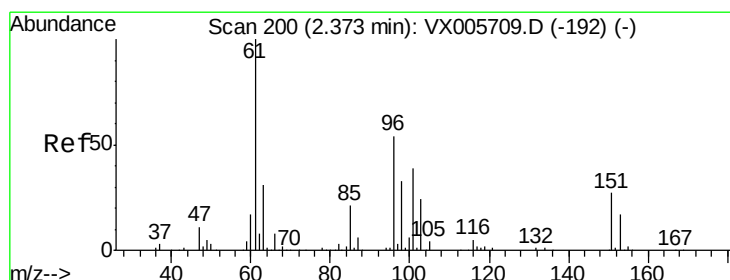
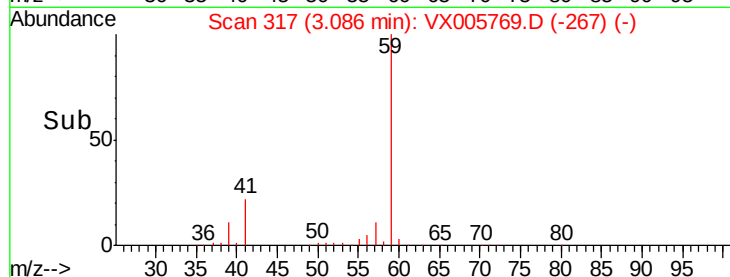
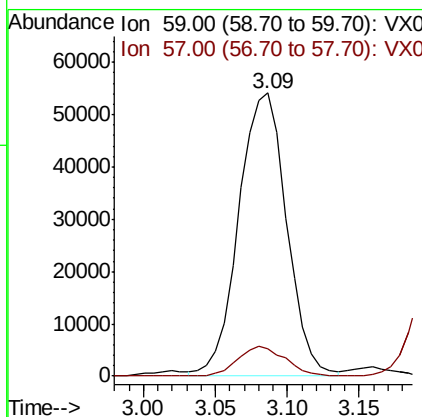
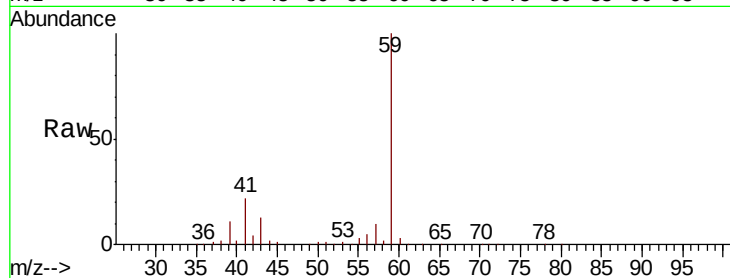
Tert butyl alcohol
 Concen: 249.062 ug/l
 RT: 3.09 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX005769.D
 Acq: 02 Nov 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

Manual Integrations
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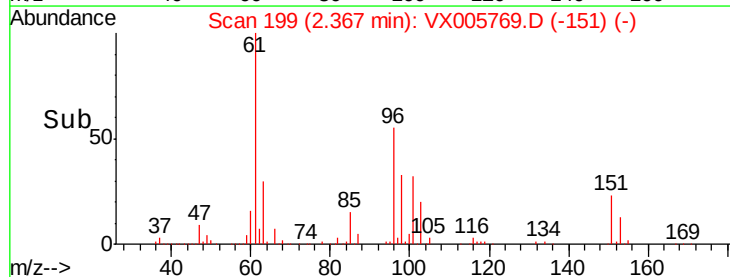
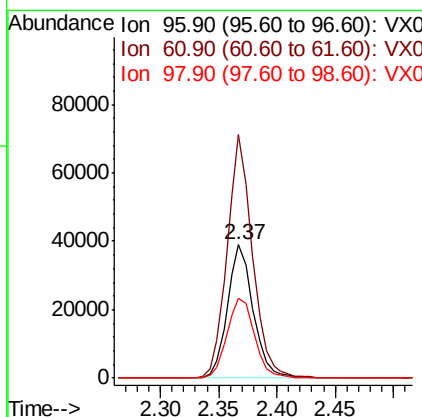
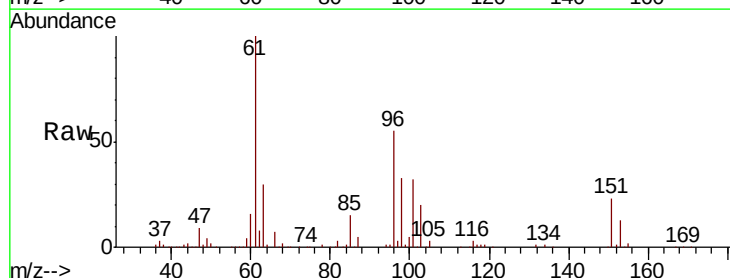
MMDadoda
 11/5/2018 3:09:45 PM

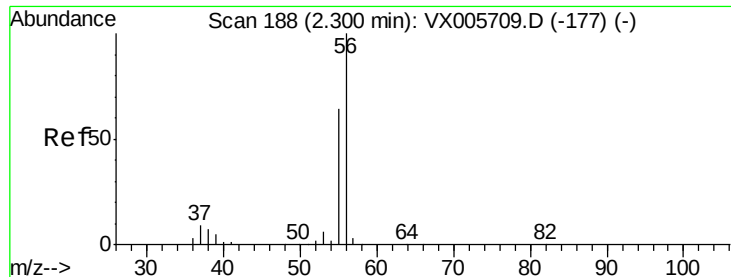


#12

1,1-Dichloroethene
 Concen: 44.166 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX005769.D
 Acq: 02 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	182.7	131.8	197.8
98	59.7	53.4	80.2





#13

Acrolein

Concen: 153.815 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.01 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 53423

Ion Ratio Lower Upper

56 100

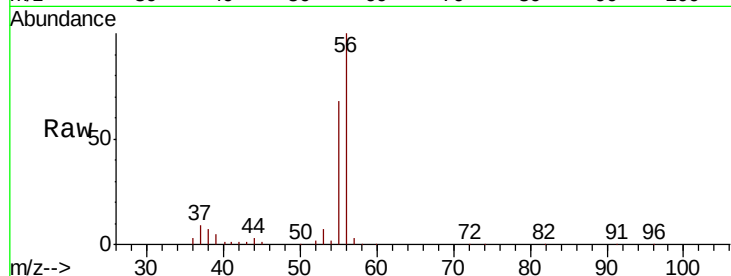
55 72.4 57.3 85.9

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

40000

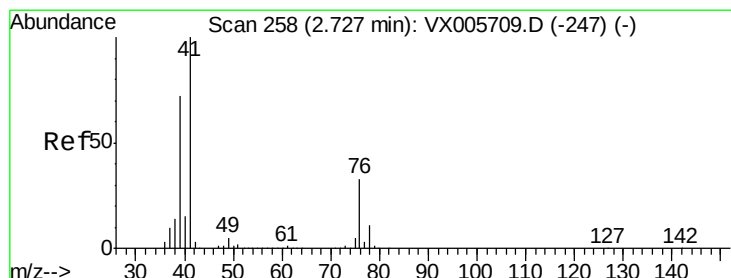
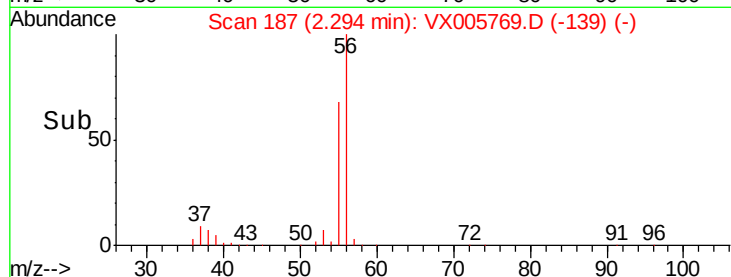
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 44.468 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

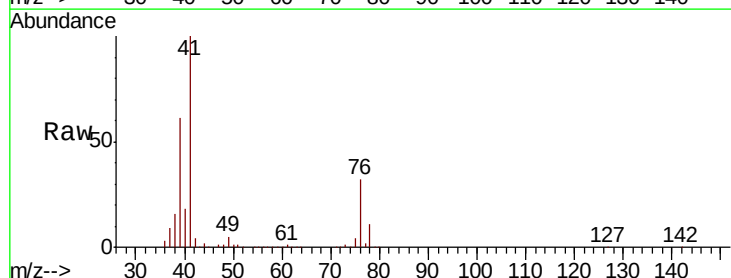
Tgt Ion: 41 Resp: 125088

Ion Ratio Lower Upper

41 100

39 62.5 48.2 72.4

76 31.9 21.9 32.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.72

80000

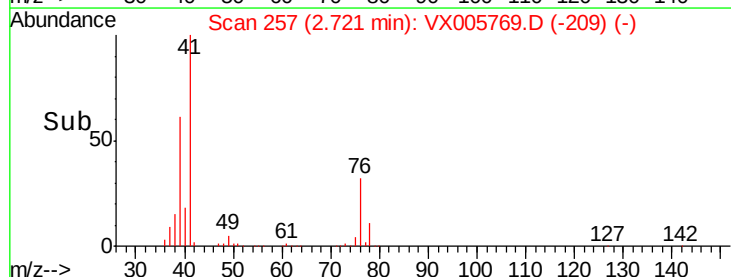
60000

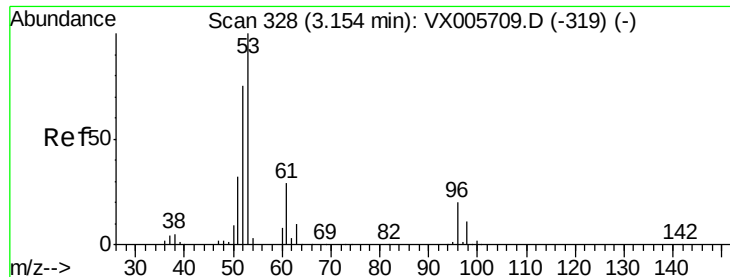
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 247.763 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Instrument :

MSVOA_X

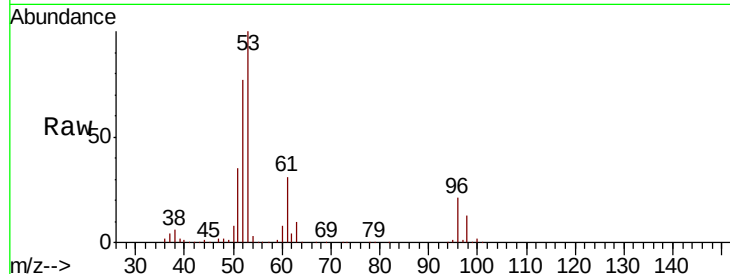
ClientSampleId :

VSTDCCC050EC

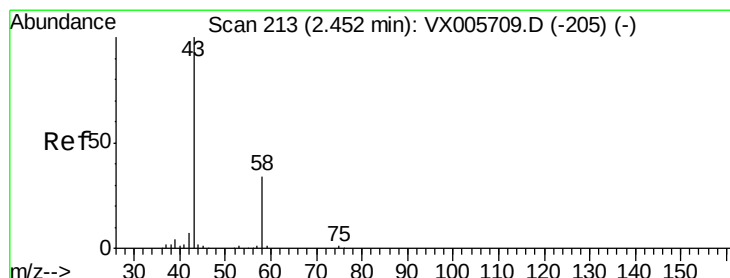
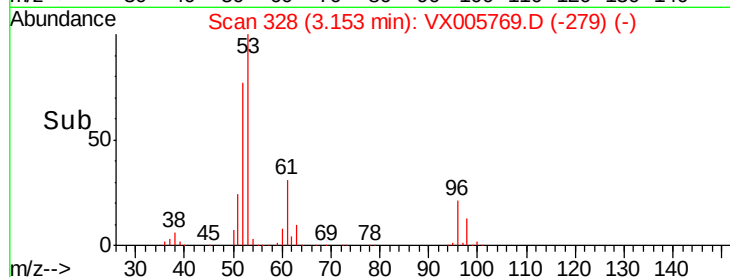
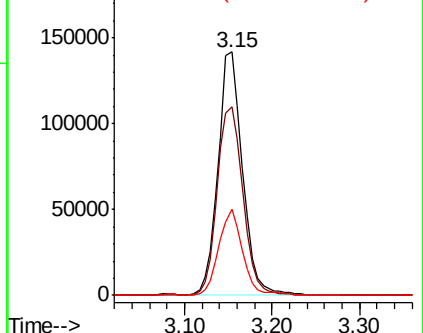
Tot Ion:	53	Resp:	273227
Ion Ratio		Lower	Upper
53	100		
52	81.9	66.6	99.8
51	34.7	28.4	42.6

Manual Integrations
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11/5/2018 3:09:45 PM



Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 250.899 ug/l

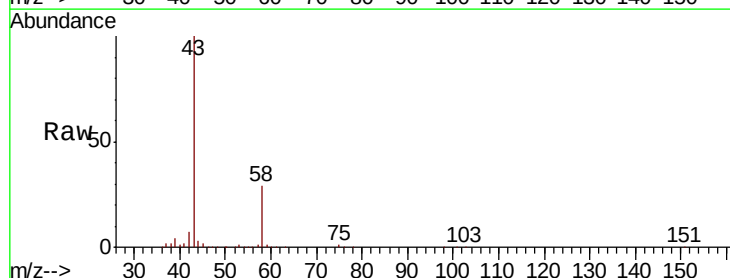
RT: 2.45 min Scan# 213

Delta R.T. 0.00 min

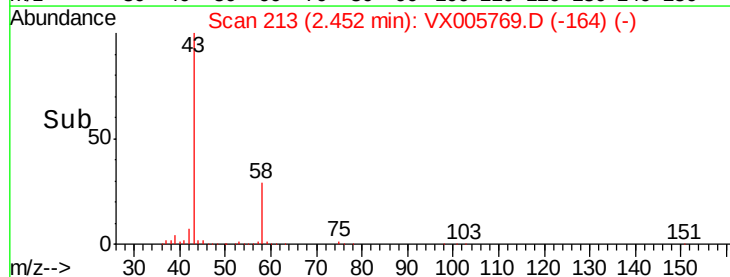
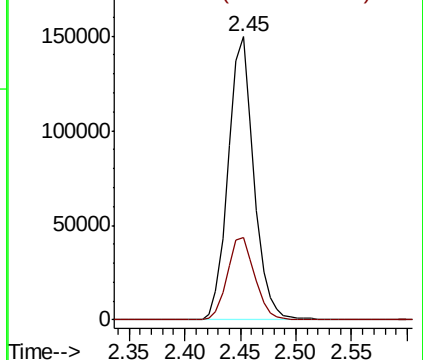
Lab File: VX005769.D

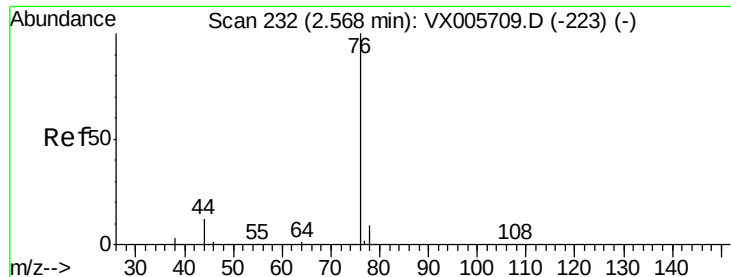
Acq: 02 Nov 2018 20:58

Tgt Ion:	43	Resp:	238201
Ion Ratio		Lower	Upper
43	100		
58	29.2	23.8	35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 41.889 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 175112

Ion Ratio Lower Upper

76 100

78 8.7

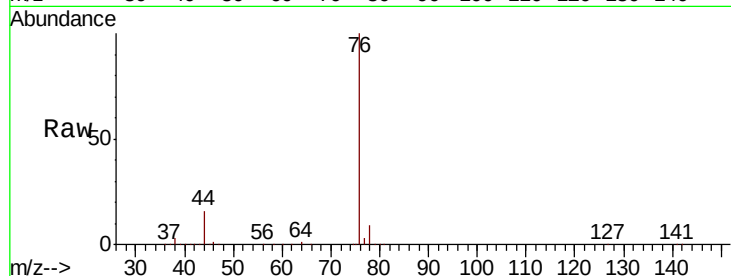
7.3 10.9

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

120000

100000

80000

60000

40000

20000

0

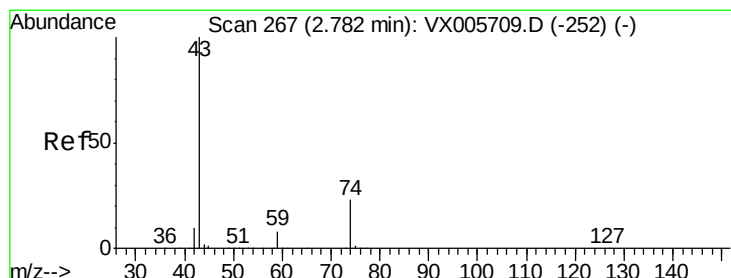
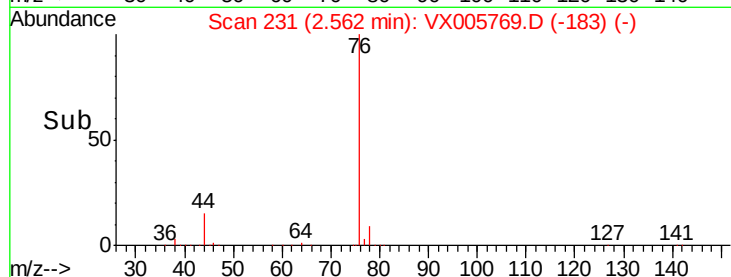
2.56

2.50

2.60

2.70

Time-->



#18

Methyl Acetate

Concen: 50.050 ug/l

RT: 2.78 min Scan# 267

Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

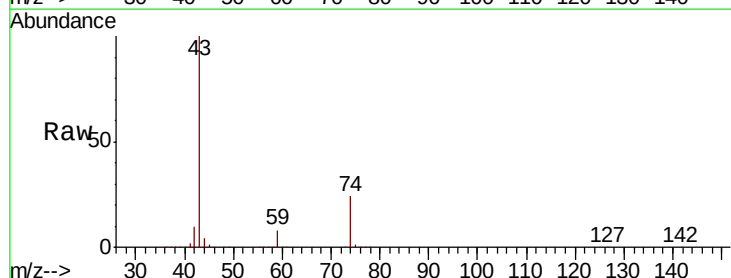
Tgt Ion: 43 Resp: 132641

Ion Ratio Lower Upper

43 100

74 23.3

16.8 25.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

80000

60000

40000

20000

0

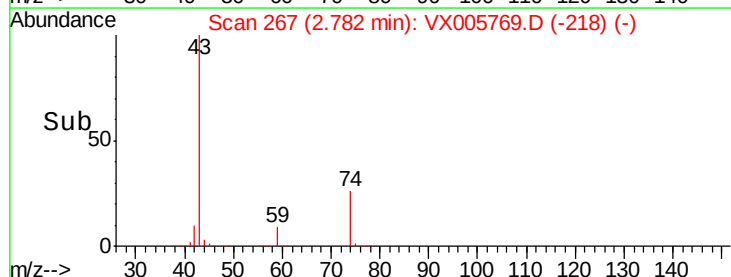
2.78

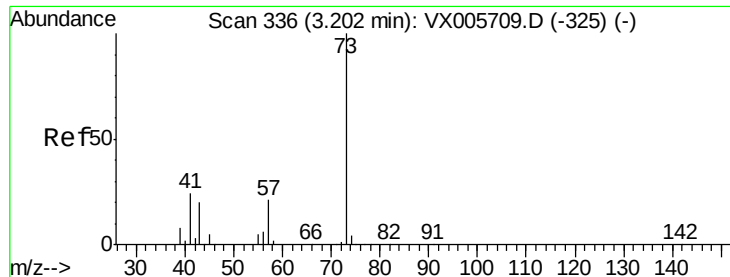
2.70

2.80

2.90

Time-->





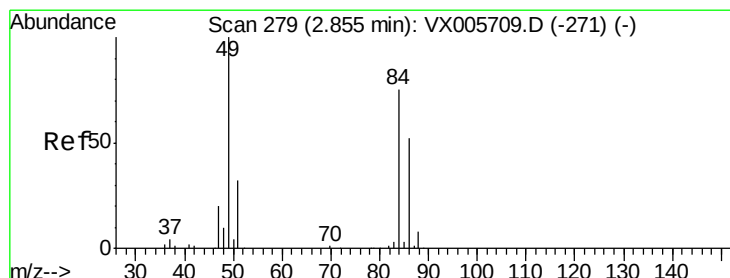
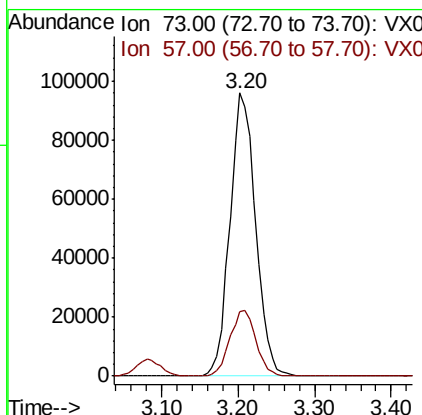
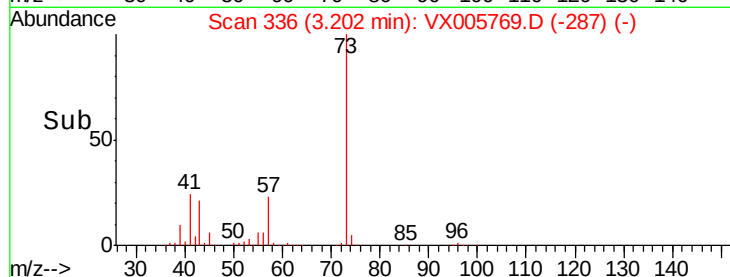
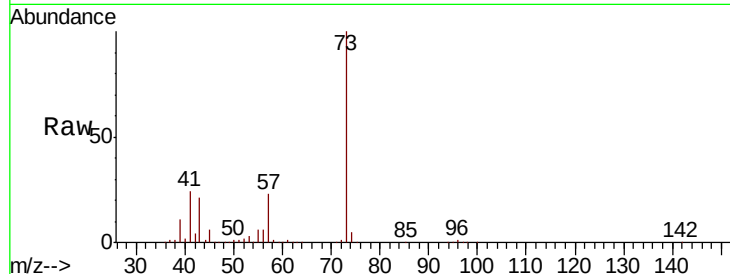
#19
Methyl tert-butyl Ether
Concen: 47.271 ug/l
RT: 3.20 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.8	28.2

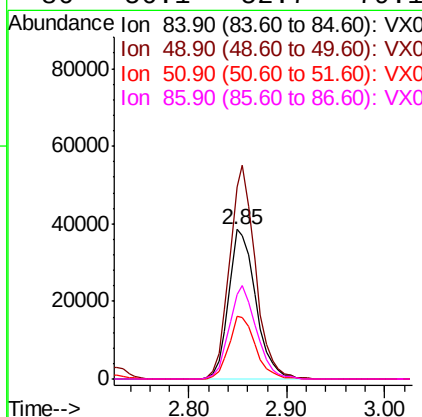
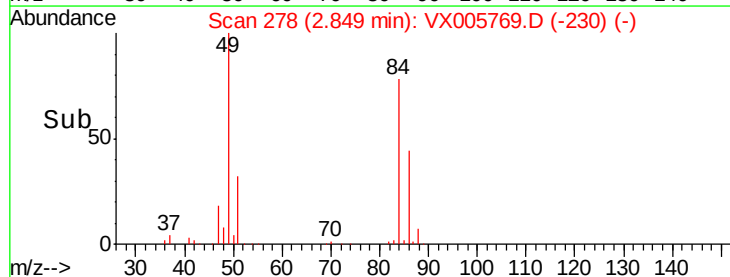
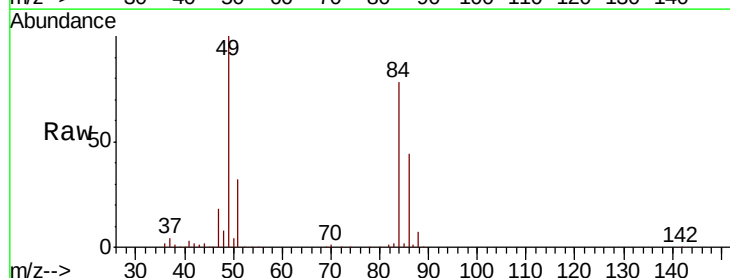
Manual Integrations
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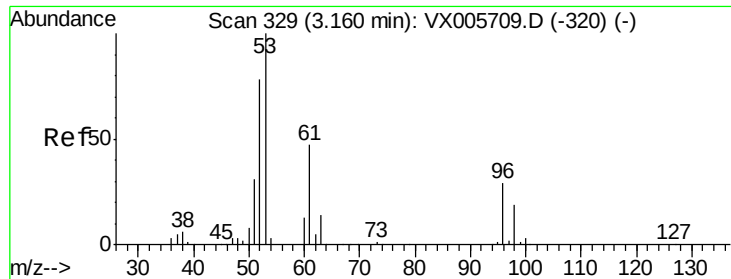
MMDadoda
11/5/2018 3:09:45 PM



#20
Methylene Chloride
Concen: 46.470 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.2	109.5	164.3
51	41.4	33.3	49.9
86	56.1	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 44.257 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 63708

Ion Ratio Lower Upper

96 100

61 171.5 115.6 173.4

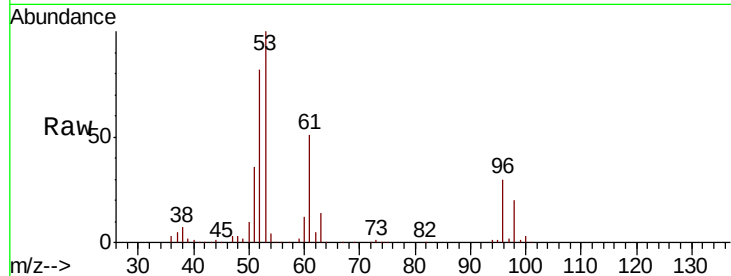
98 66.5 50.2 75.2

Manual Integrations

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MMDadoda

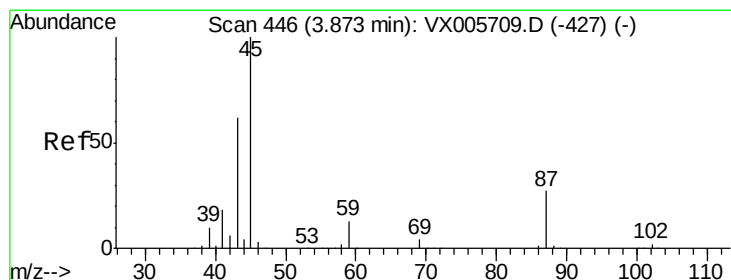
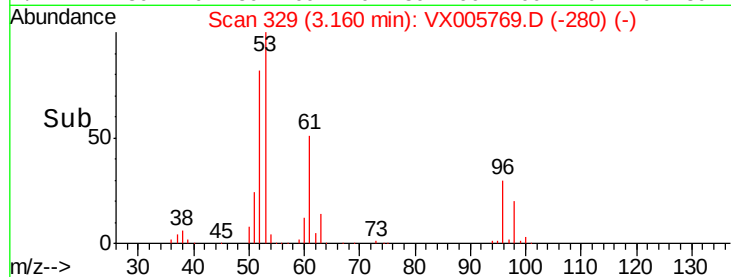
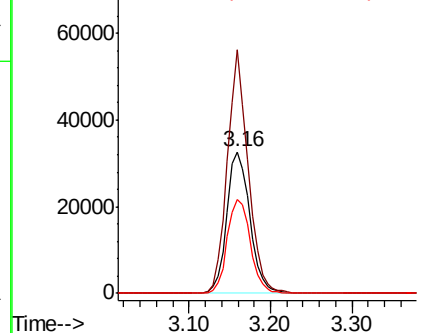
11/5/2018 3:09:45 PM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 47.245 ug/l

RT: 3.87 min Scan# 446

Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Tgt Ion: 45 Resp: 246530

Ion Ratio Lower Upper

45 100

43 59.7 47.4 71.2

87 25.0 15.9 23.9#

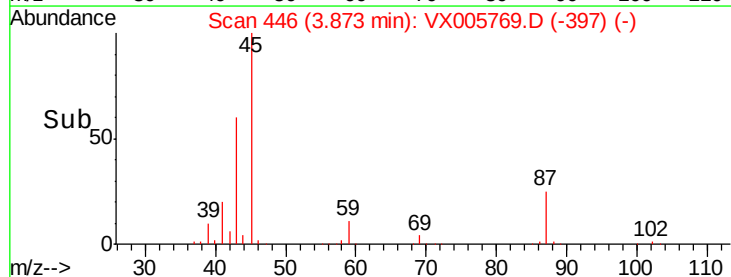
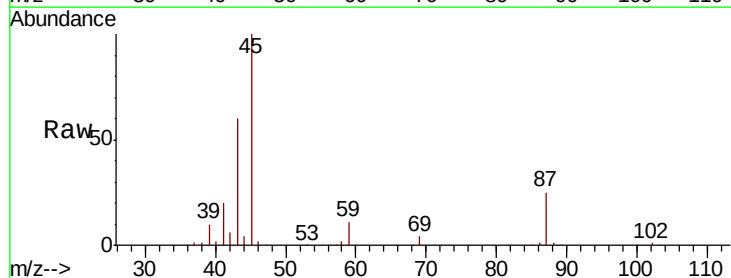
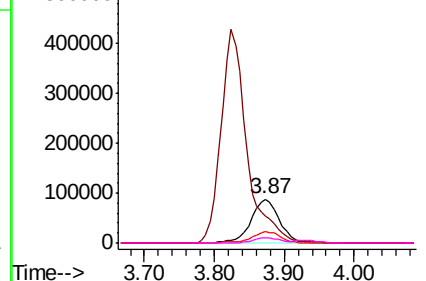
59 11.0 7.7 11.5

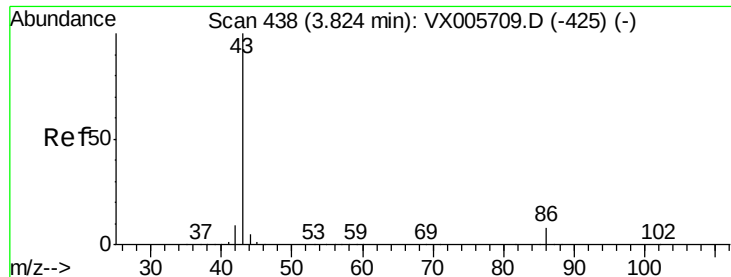
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 241.907 ug/l

RT: 3.82 min Scan# 438

Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1099478

Ion Ratio Lower Upper

43 100

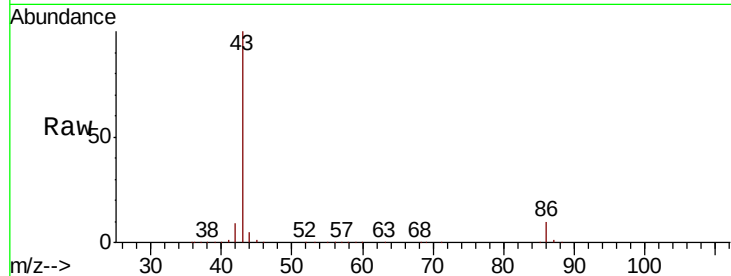
86 9.7 7.4 11.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

500000

400000

300000

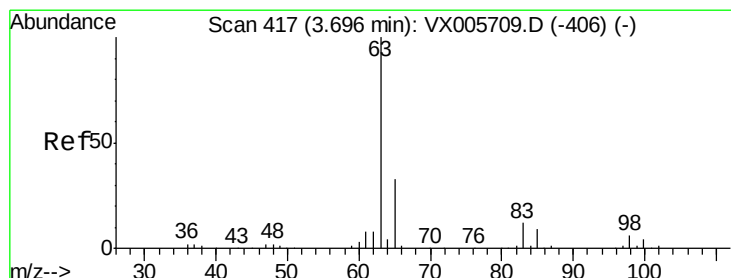
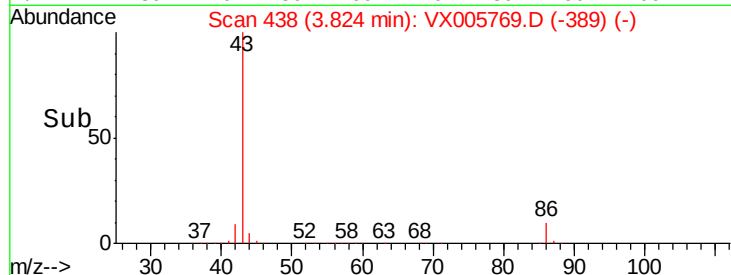
200000

100000

0

3.70 3.80 3.90 4.00 4.10

Time-->



#24

1,1-Dichloroethane

Concen: 46.850 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

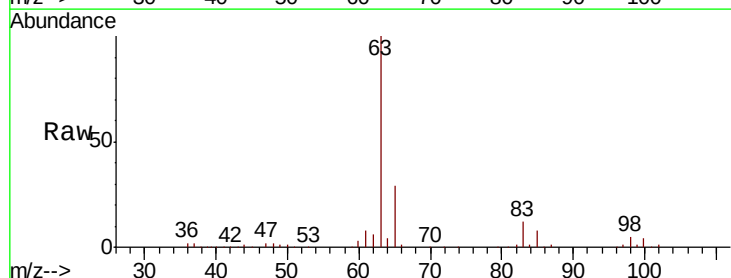
Tgt Ion: 63 Resp: 138237

Ion Ratio Lower Upper

63 100

98 5.3 3.2 9.6

100 3.7 2.1 6.2



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

80000

60000

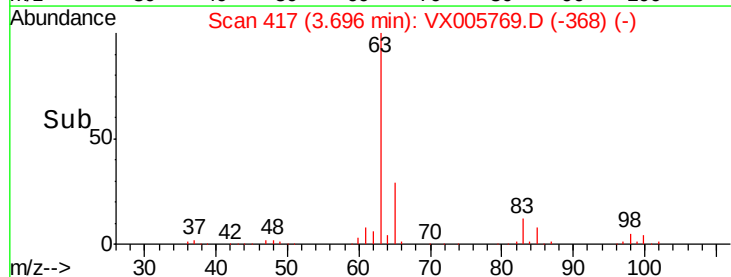
40000

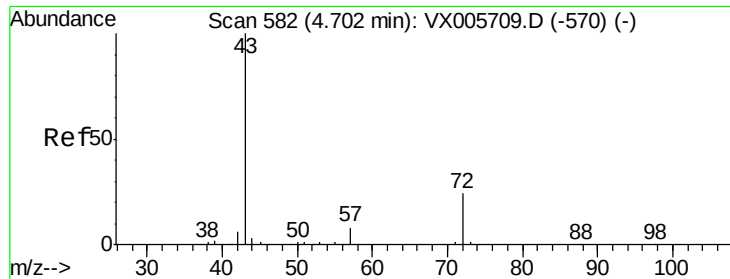
20000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 242.266 ug/l

RT: 4.71 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 377387

Ion Ratio Lower Upper

43 100

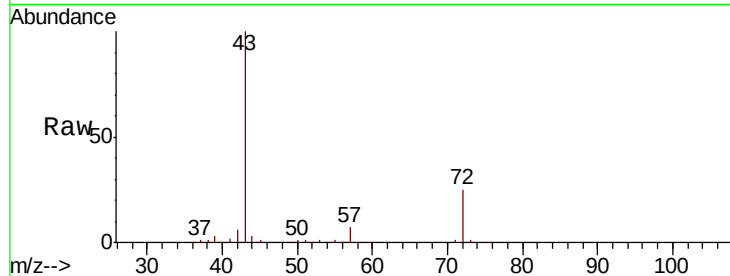
72 25.2 19.2 28.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

150000

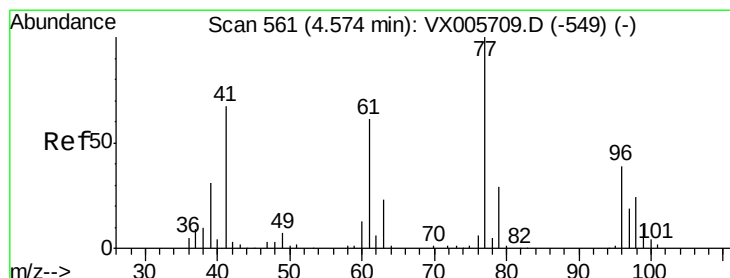
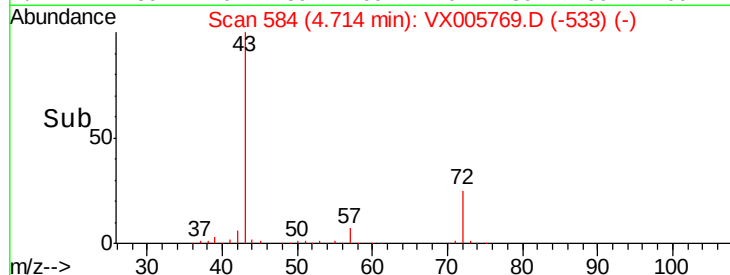
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 37.090 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX005769.D

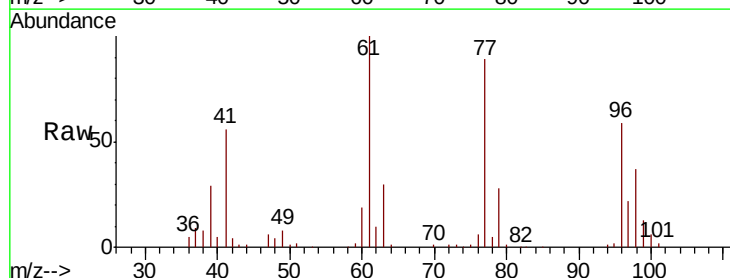
Acq: 02 Nov 2018 20:58

Tgt Ion: 77 Resp: 81808

Ion Ratio Lower Upper

77 100

97 24.0 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

30000

25000

20000

15000

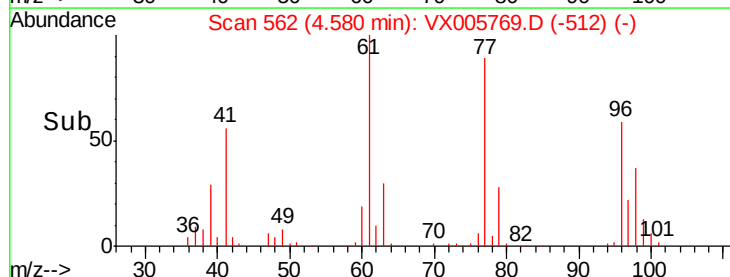
10000

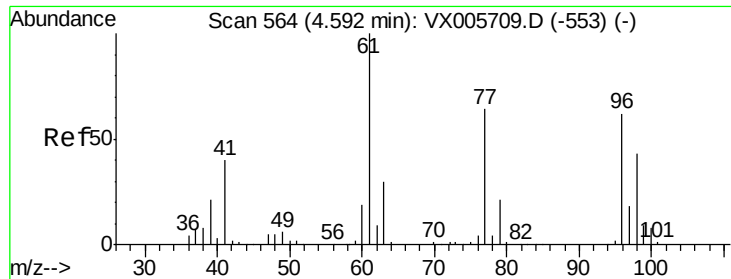
5000

0

4.50 4.60 4.70

Time-->





#27

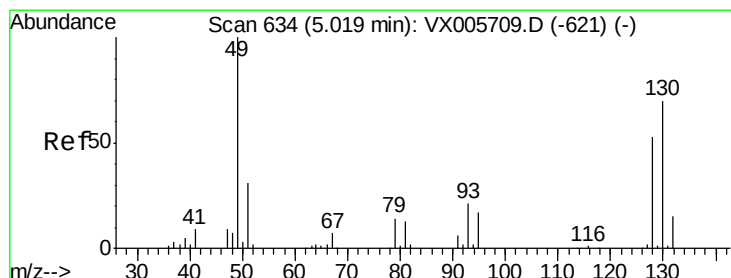
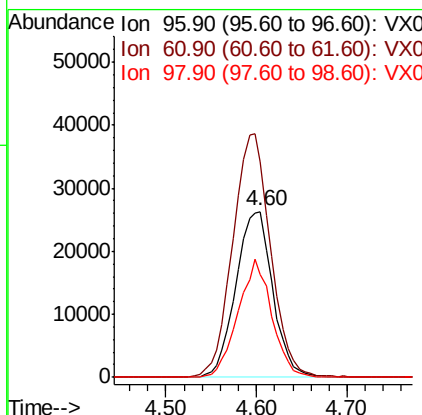
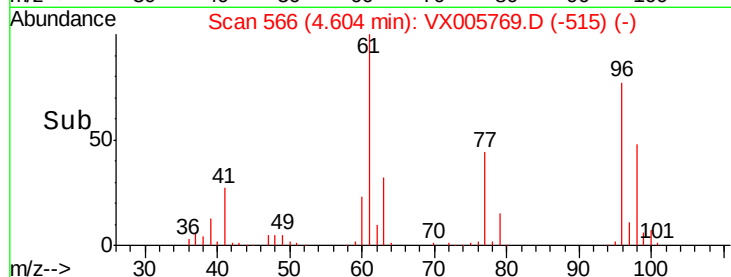
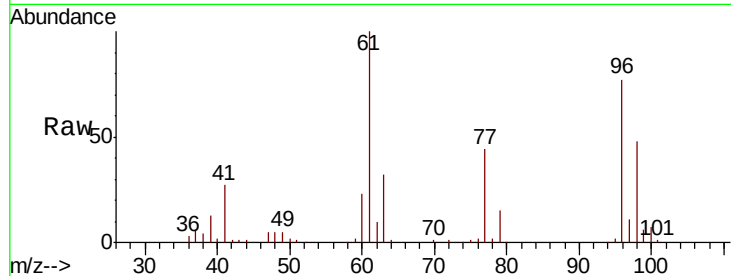
cis-1,2-Dichloroethene
Concen: 45.796 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.8	0.0	304.6
98	65.1	0.0	127.4

Manual Integrations
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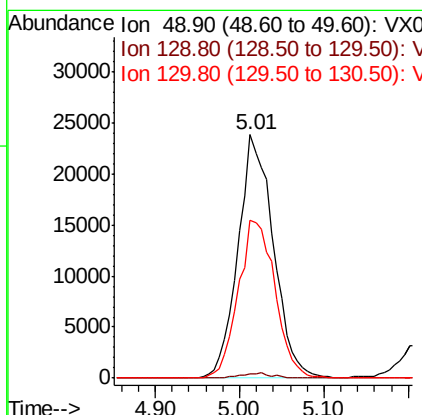
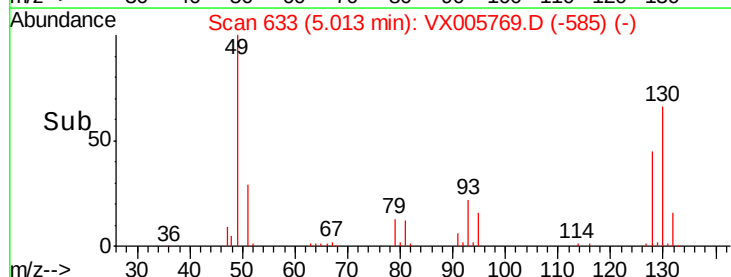
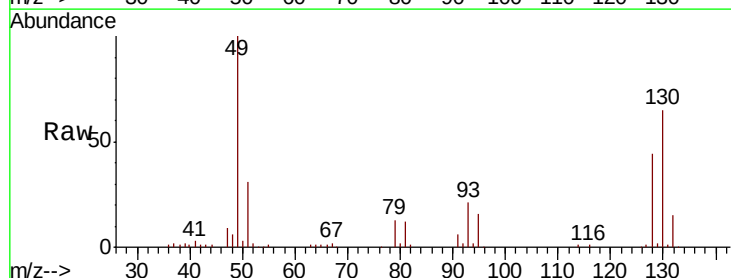
MMDadoda
11/5/2018 3:09:45 PM

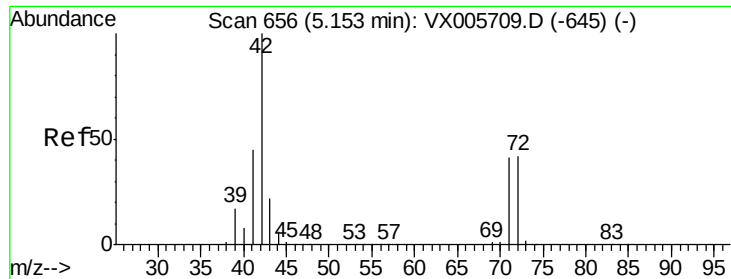


#28

Bromochloromethane
Concen: 47.106 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	67.2	58.9	88.3





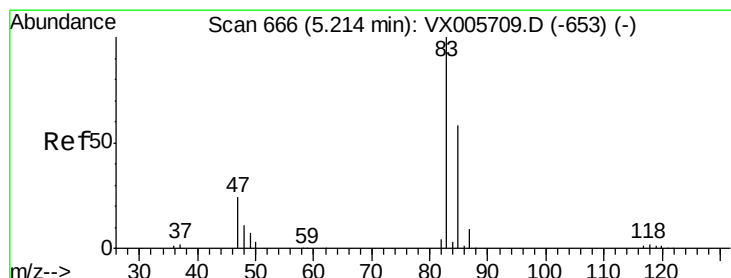
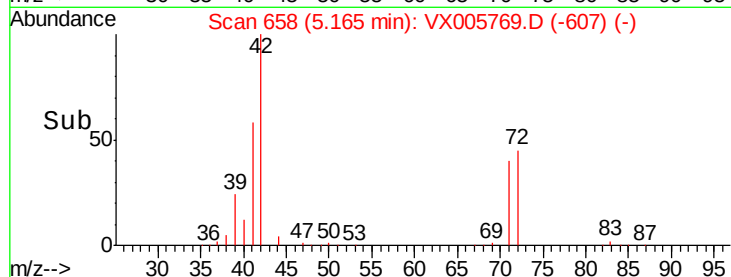
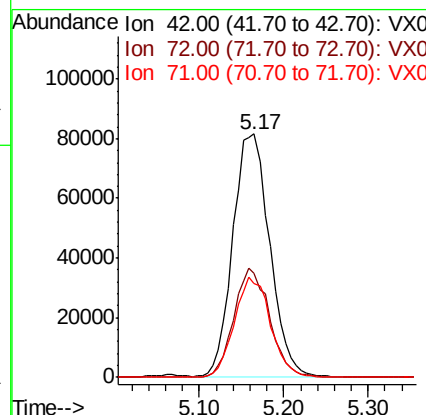
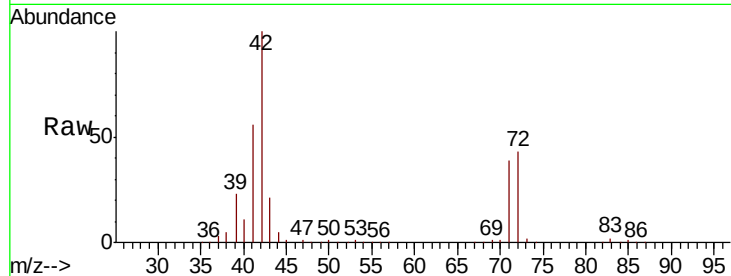
#29
Tetrahydrofuran
Concen: 253.487 ug/l
RT: 5.17 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	32.0	48.0
71	40.5	29.8	44.8

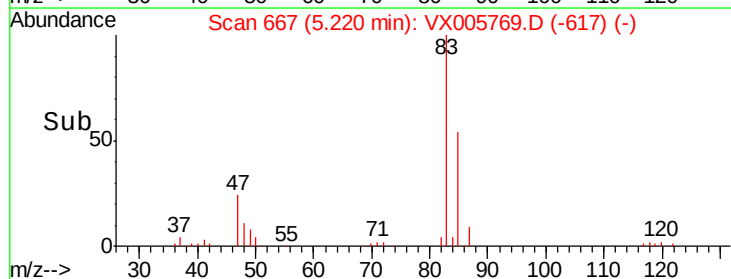
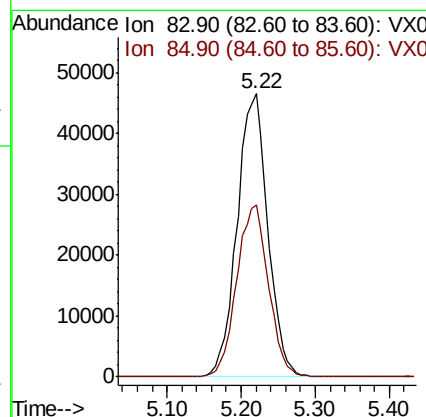
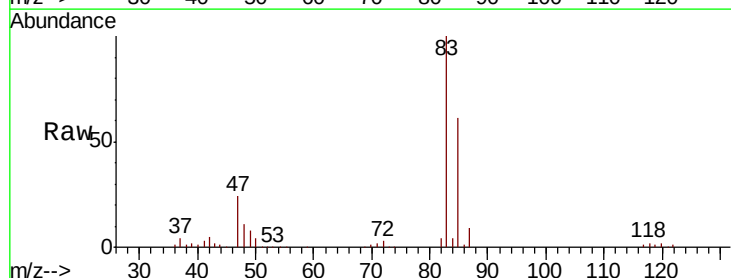
Manual Integrations
APPROVED

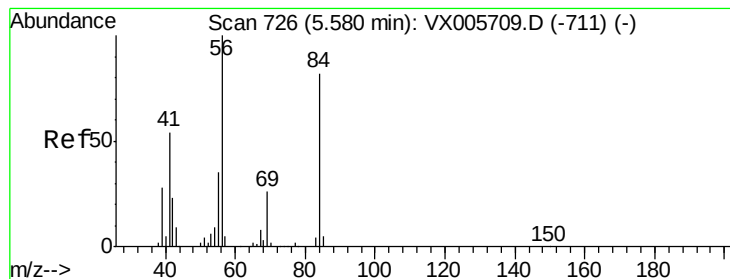
MMDadoda
11/5/2018 3:09:45 PM



#30
Chloroform
Concen: 46.716 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.8	50.6	76.0





#31

Cyclohexane

Concen: 45.611 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Instrument :

MSVOA_X

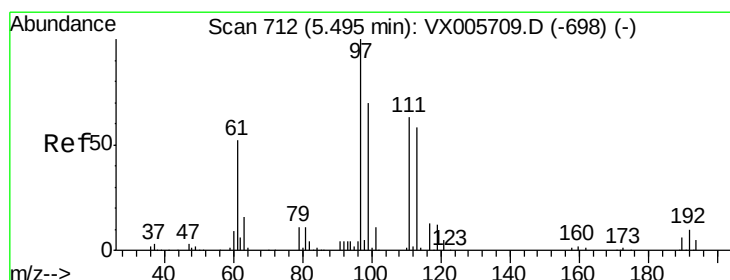
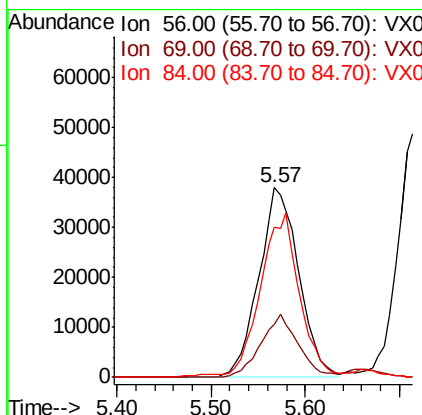
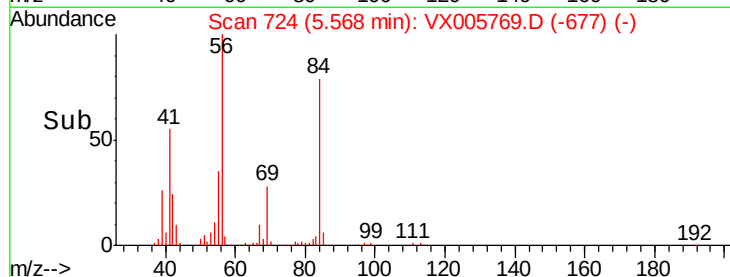
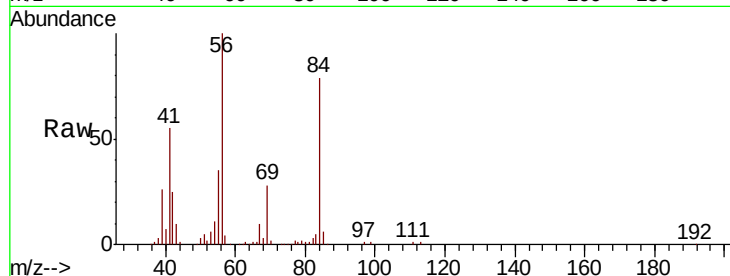
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	112540
Ion	Ratio	Lower	Upper
56	100		
69	27.8	22.6	34.0
84	77.9	62.7	94.1

Manual Integrations
APPROVED

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11/5/2018 3:09:45 PM



#32

1,1,1-Trichloroethane

Concen: 47.101 ug/l

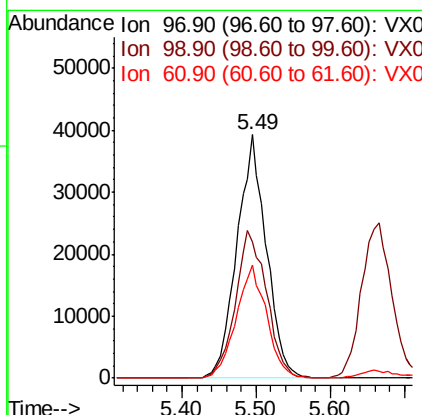
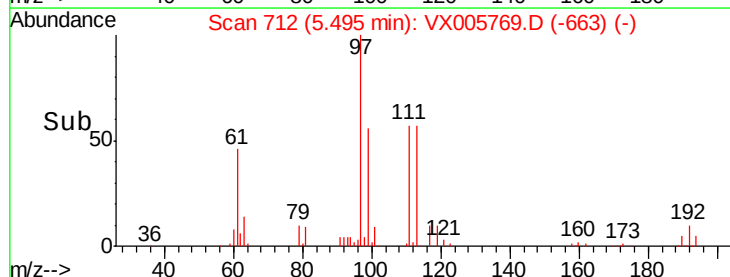
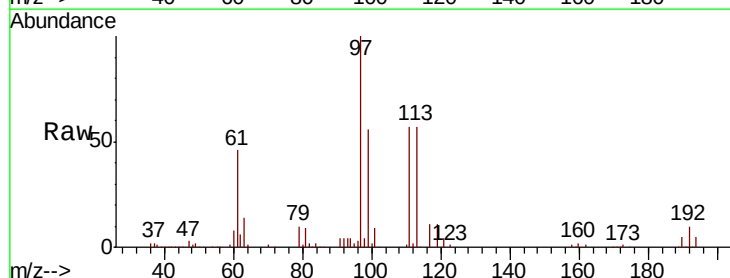
RT: 5.49 min Scan# 712

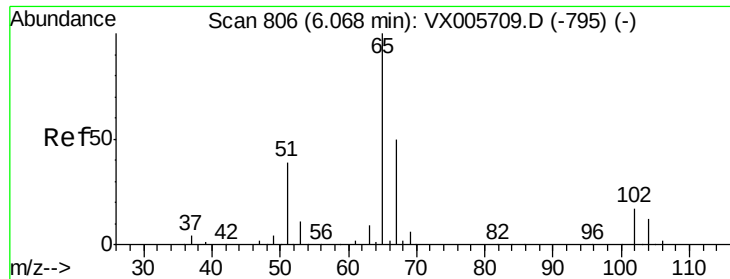
Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Tgt Ion:	97	Resp:	108744
Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.3	78.5
61	47.9	35.2	52.8





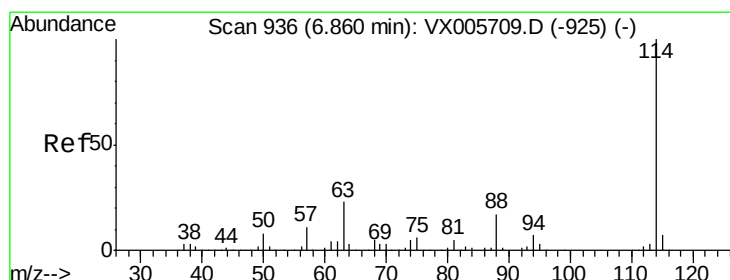
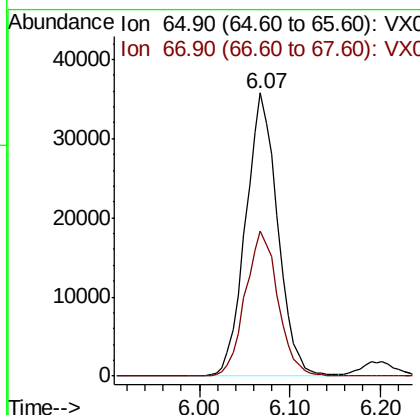
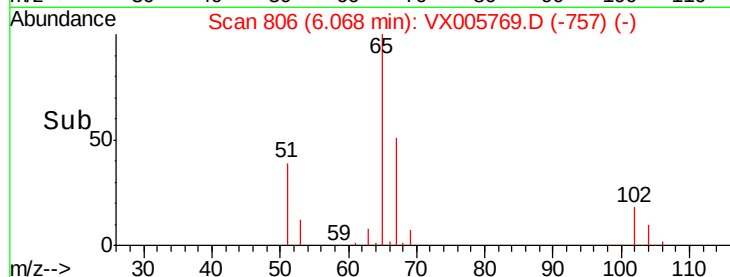
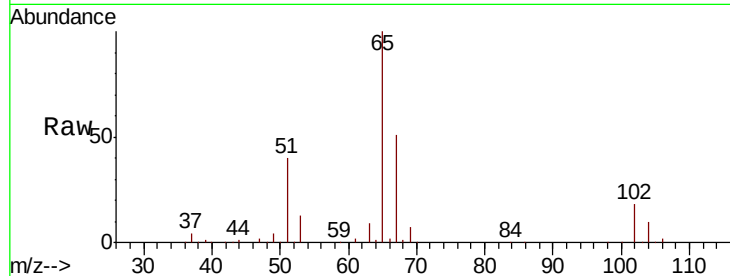
#33
 1,2-Dichloroethane-d4
 Concen: 47.450 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005769.D
 Acq: 02 Nov 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 87623
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.0

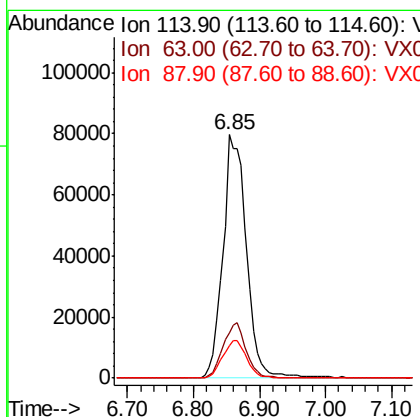
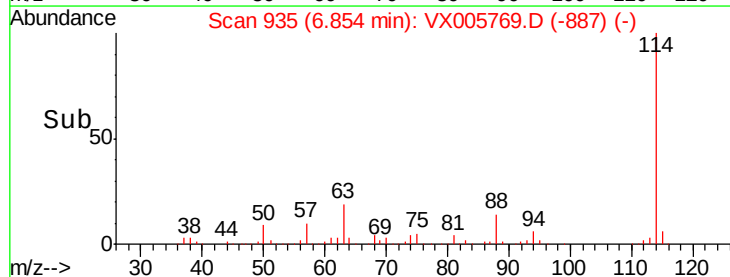
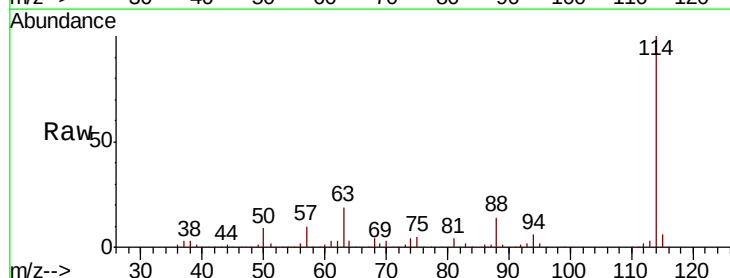
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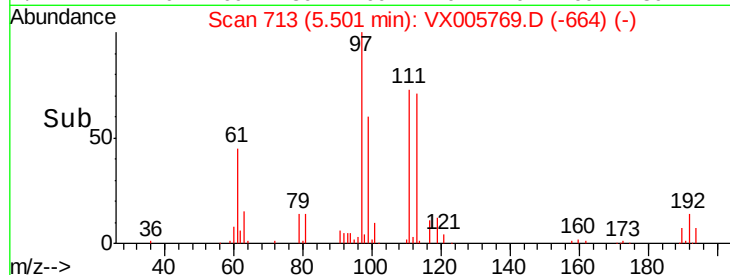
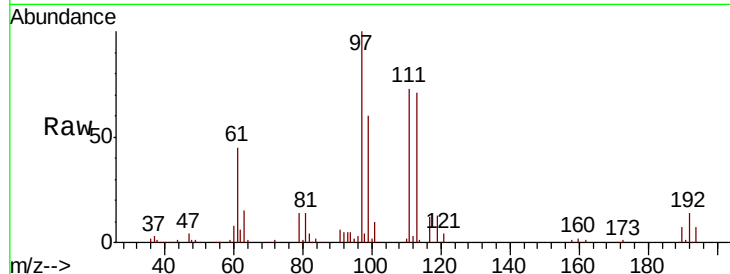
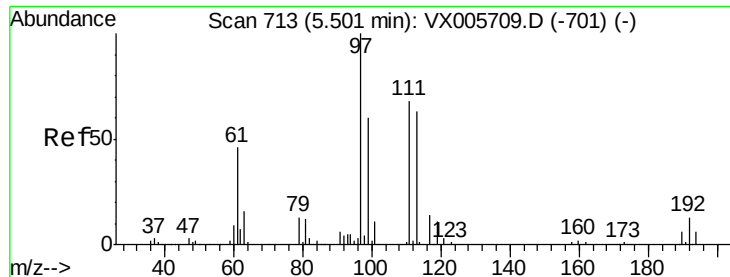
MMDadoda
 11/5/2018 3:09:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX005769.D
 Acq: 02 Nov 2018 20:58

Tgt Ion: 114 Resp: 196454
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 42.8
 88 13.5 0.0 31.2





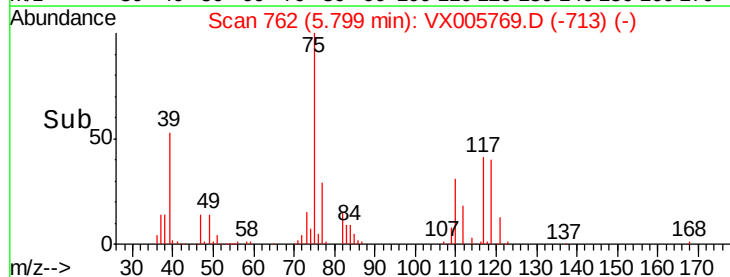
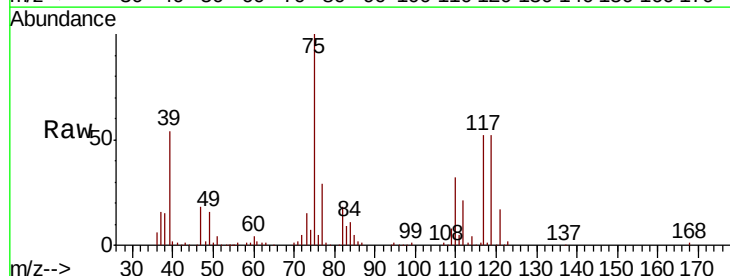
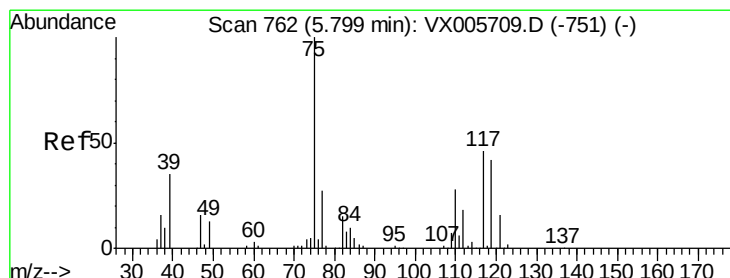
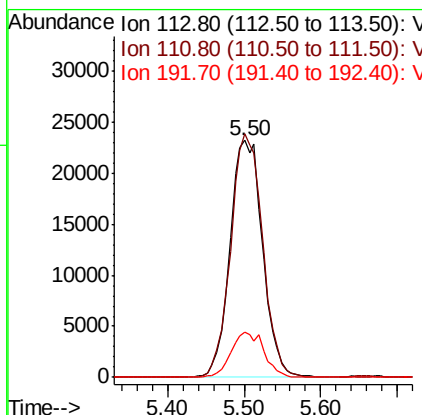
#35
Dibromofluoromethane
Concen: 50.320 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.4	82.3	123.5
192	19.1	17.9	26.9

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

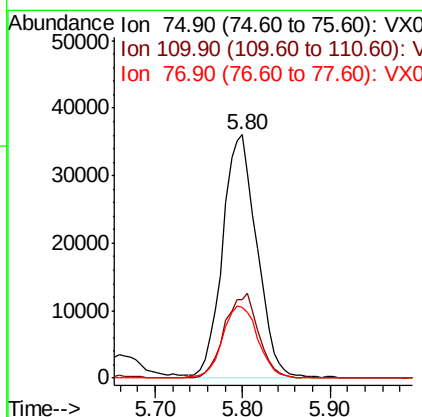
Manual Integrations
APPROVED

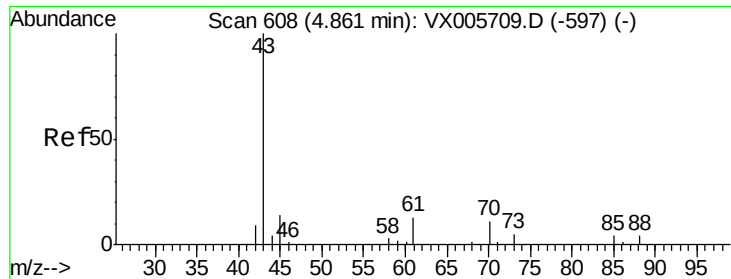
MMDadoda
11/5/2018 3:09:45 PM



#36
1,1-Dichloropropene
Concen: 46.558 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.4	52.2
77	30.4	25.8	38.6





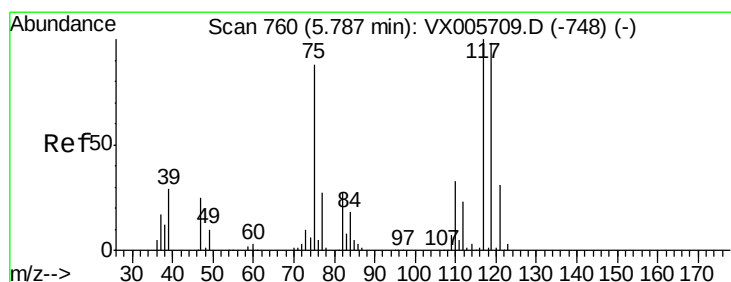
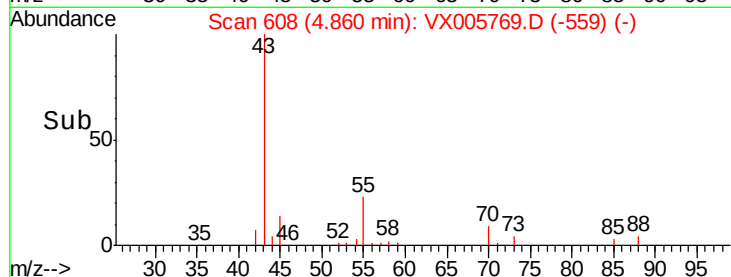
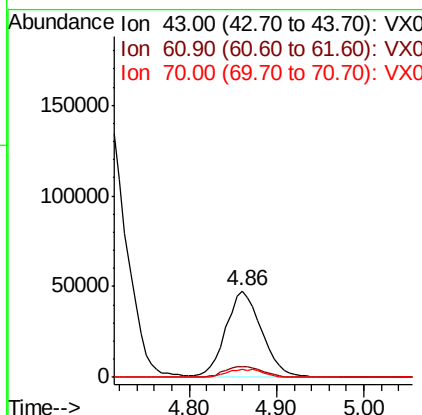
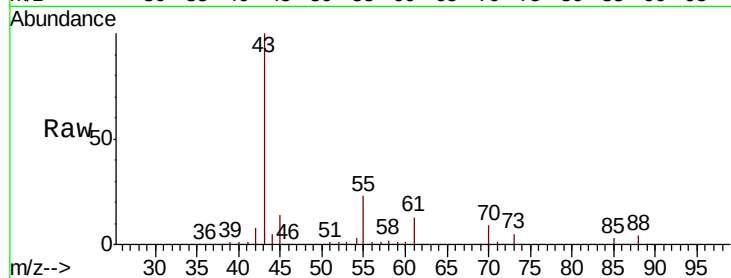
#37
Ethyl Acetate
Concen: 50.335 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	10.8	16.2
70	9.9	7.8	11.8

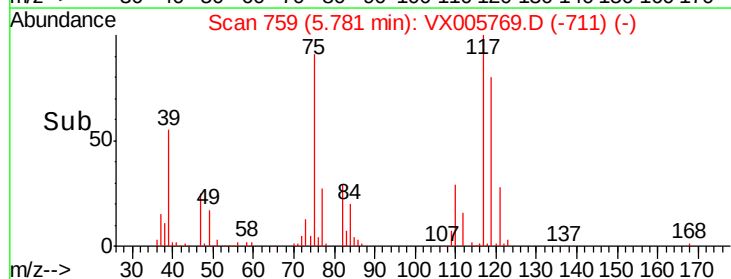
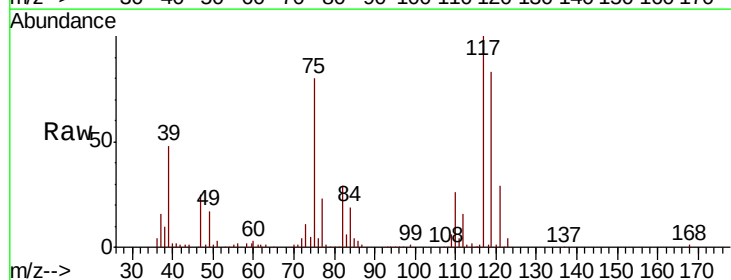
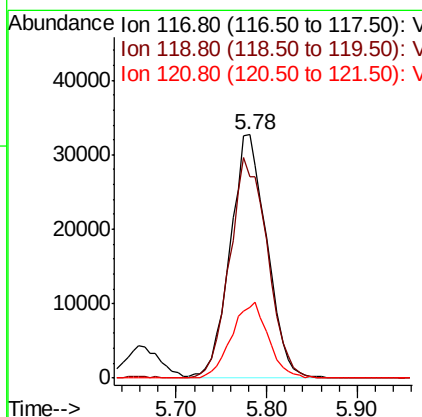
Manual Integrations
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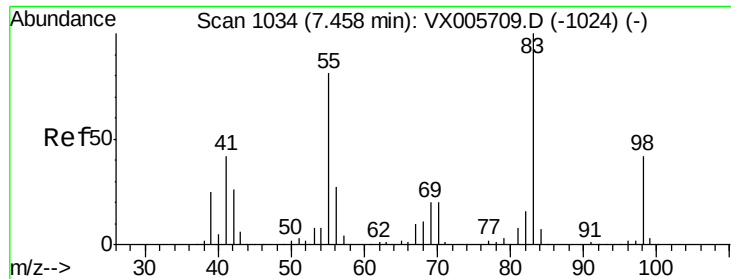
MMDadoda
11/5/2018 3:09:45 PM



#38
Carbon Tetrachloride
Concen: 48.408 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	82.8	78.1	117.1
121	29.0	24.6	36.8





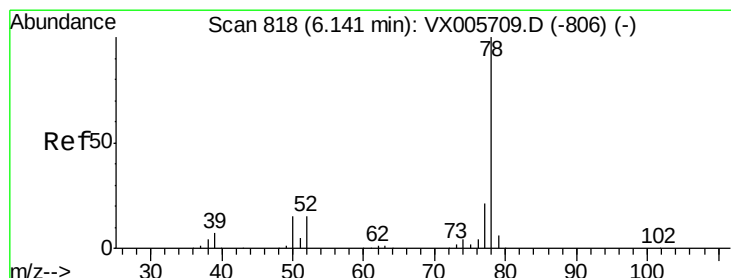
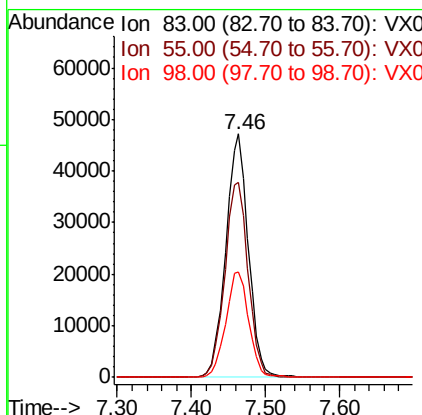
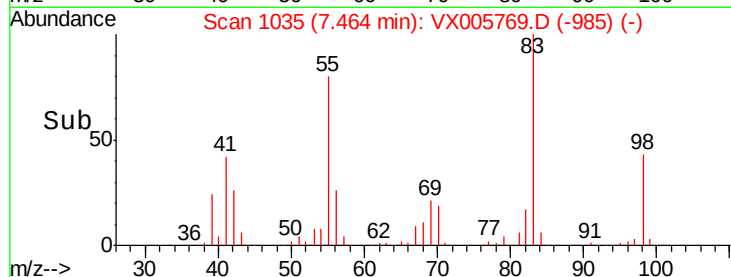
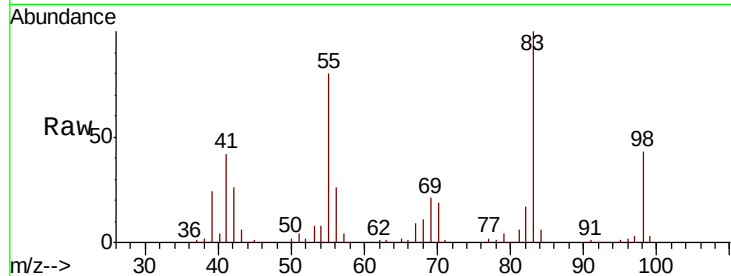
#39
Methylvclclohexane
Concen: 45.784 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83.00	Resp	99942
Ion Ratio	Lower	Upper	
83	100		
55	80.1	63.7	95.5
98	43.5	36.2	54.2

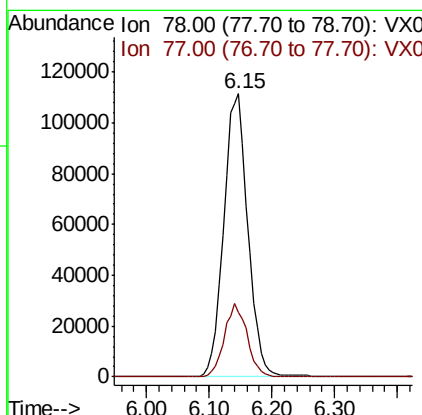
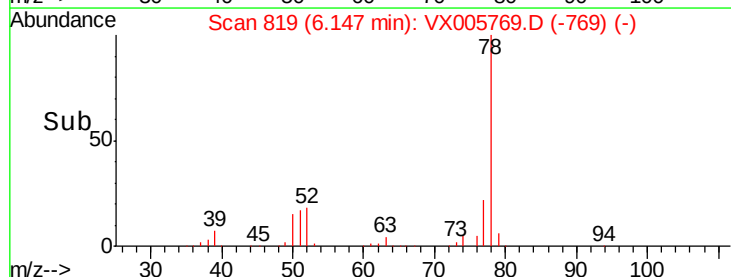
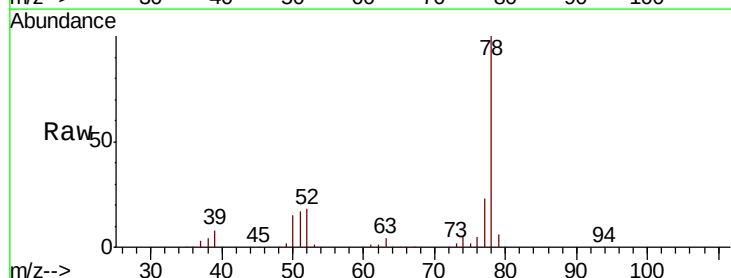
Manual Integrations
APPROVED

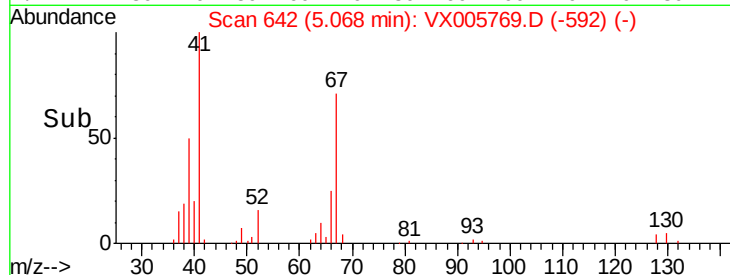
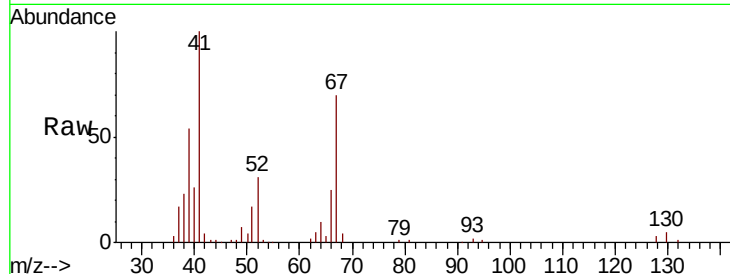
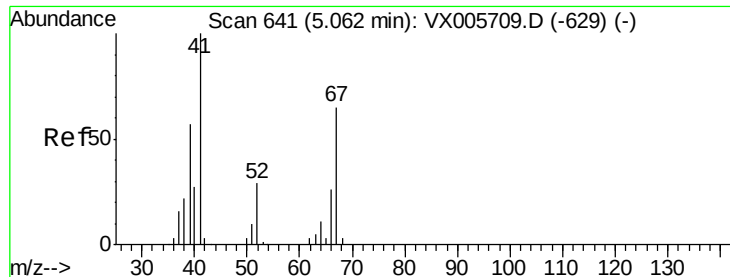
MMDadoda
11/5/2018 3:09:45 PM



#40
Benzene
Concen: 47.704 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

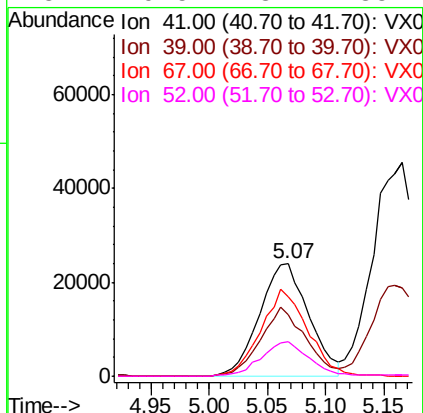
Tgt Ion	78.00	Resp	297051
Ion Ratio	Lower	Upper	
78	100		
77	22.8	18.4	27.6





#41
Methacrylonitrile
Concen: 48.893 ug/l
RT: 5.07 min Scan# 642
Delta R.T. 0.01 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

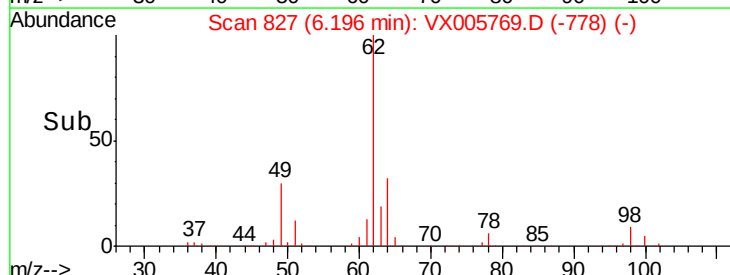
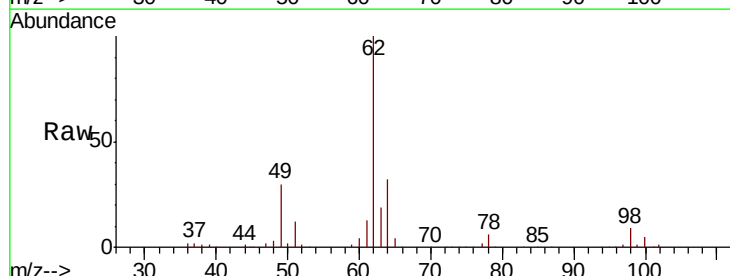
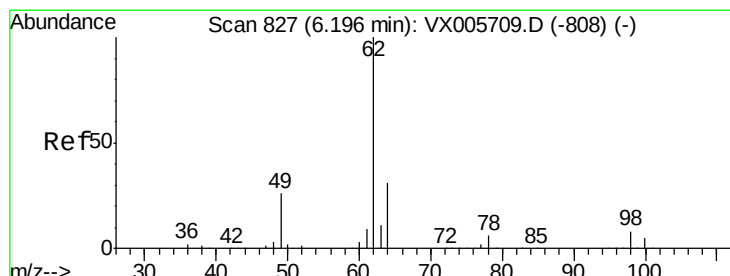
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.9	42.2	63.2	
67	73.1	53.4	80.0	
52	29.5	23.4	35.2	



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

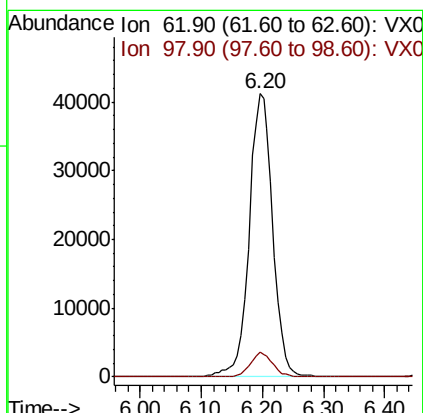
Manual Integrations
APPROVED

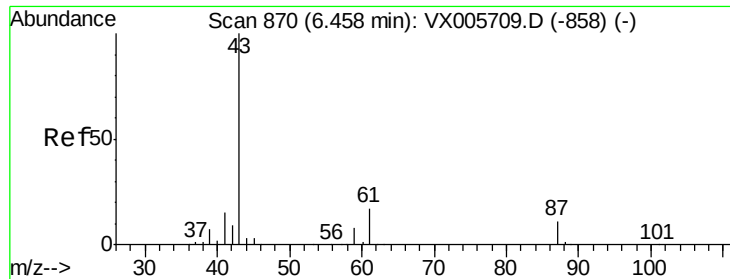
MMDadoda
11/5/2018 3:09:45 PM



#42
1,2-Dichloroethane
Concen: 48.236 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	17.8	





#43

Isopropyl Acetate

Concen: 49.324 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Instrument :

MSVOA_X

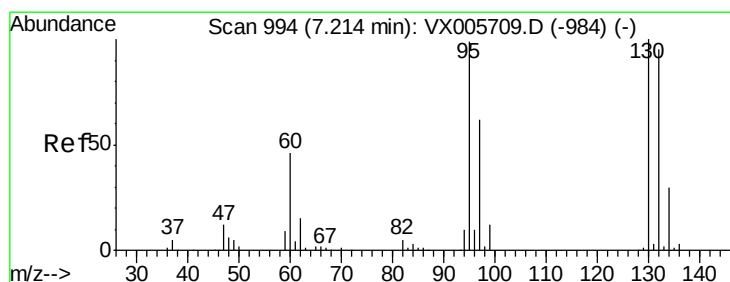
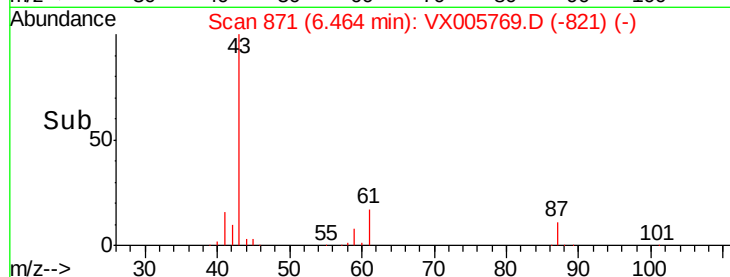
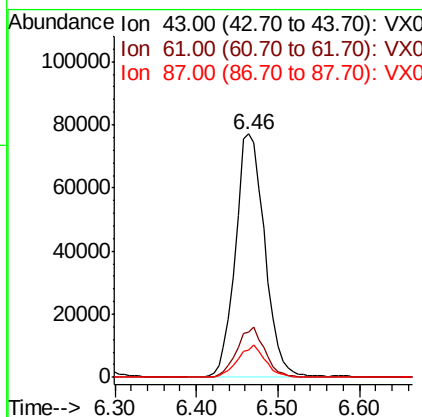
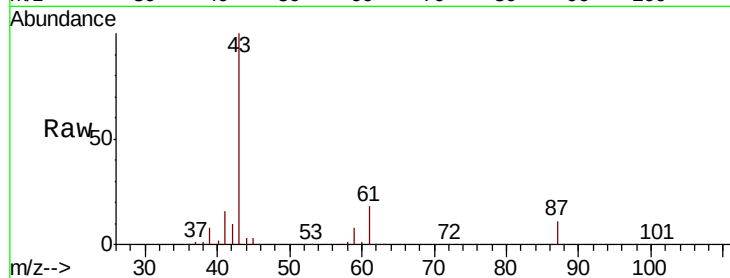
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	191165
Ion	Ratio	Lower	Upper
43	100		
61	19.9	14.6	22.0
87	12.4	9.6	14.4

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#44

Trichloroethene

Concen: 46.673 ug/l

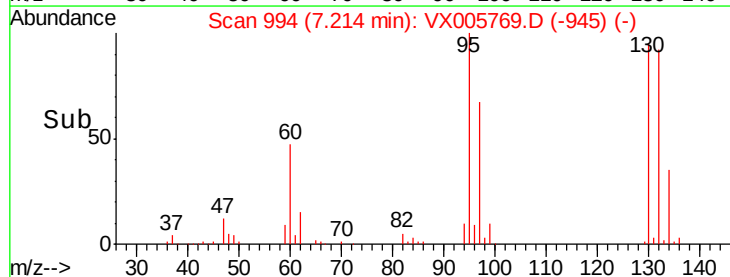
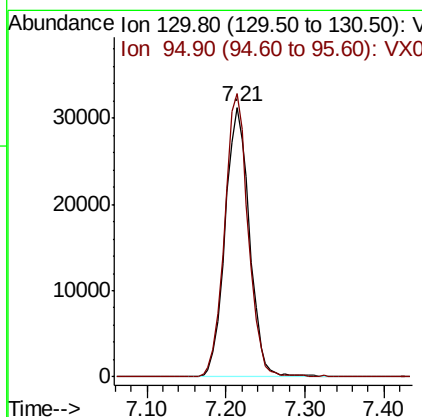
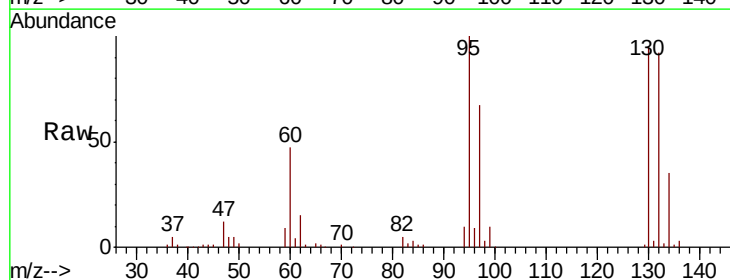
RT: 7.21 min Scan# 994

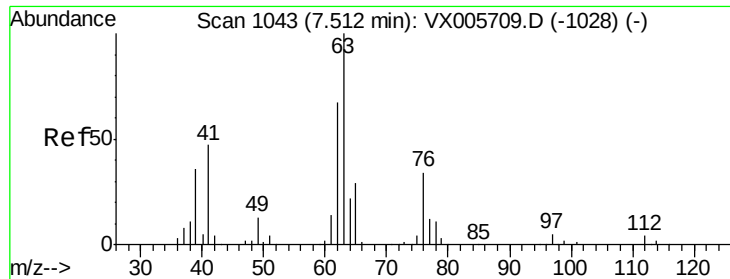
Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Tgt Ion:	130	Resp:	67217
Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	194.2





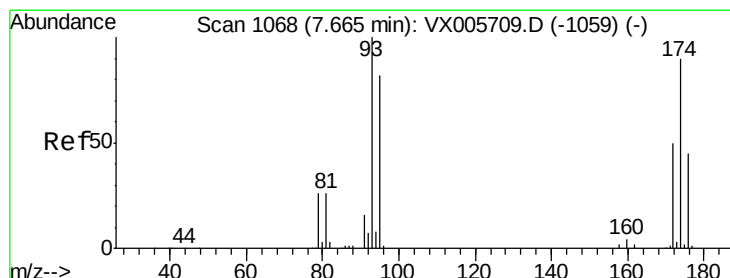
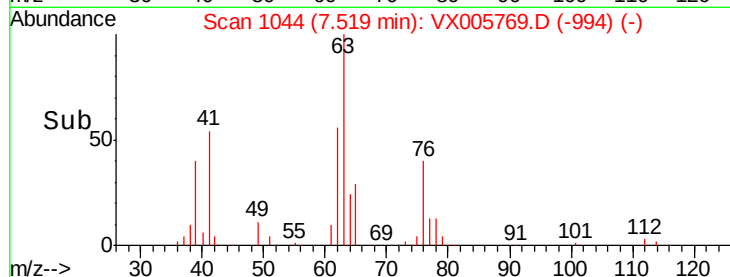
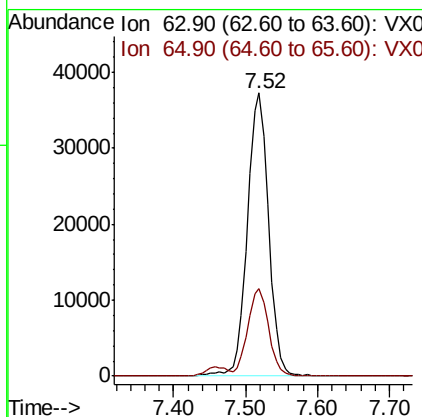
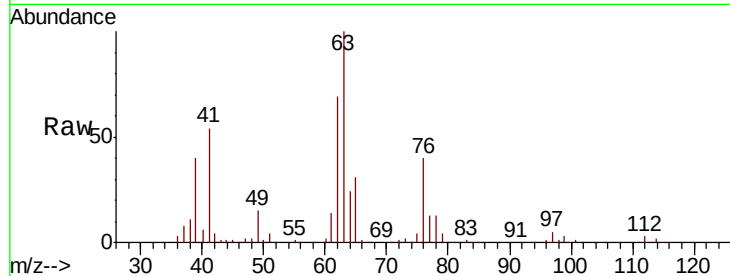
#45
1,2-Dichloropropane
Concen: 47.890 ug/l
RT: 7.52 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 63 Resp: 76420
Ion Ratio Lower Upper
63 100
65 30.7 24.8 37.2

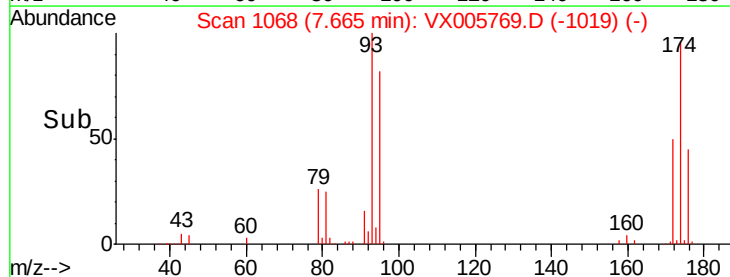
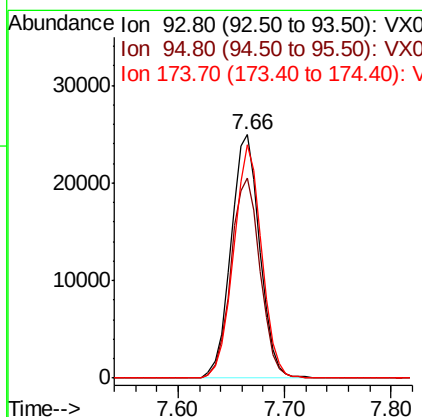
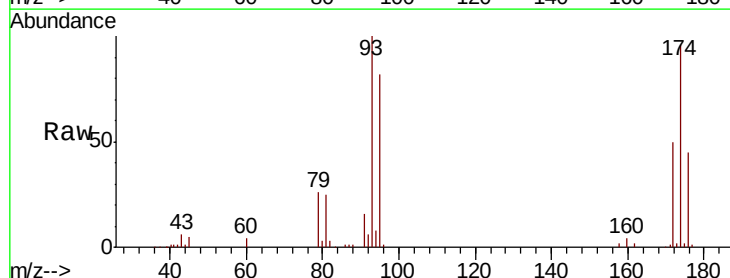
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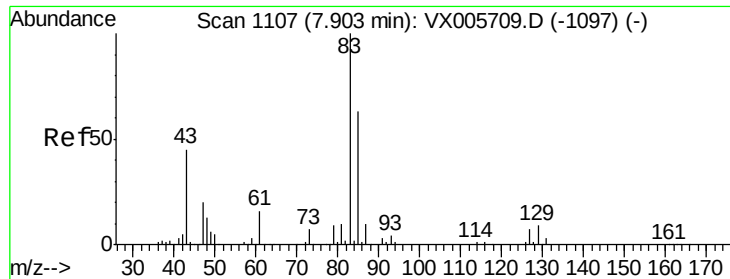
MMDadoda
11/5/2018 3:09:45 PM



#46
Dibromomethane
Concen: 46.537 ug/l
RT: 7.66 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Tgt Ion: 93 Resp: 47459
Ion Ratio Lower Upper
93 100
95 83.4 67.4 101.0
174 93.4 91.5 137.3





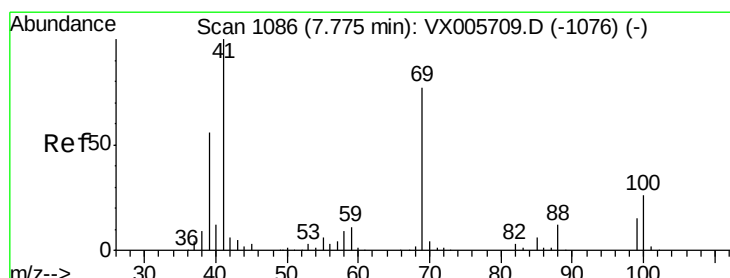
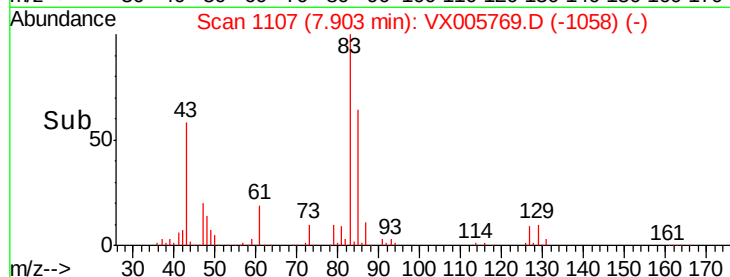
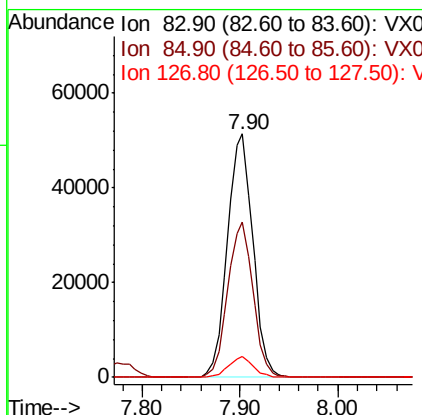
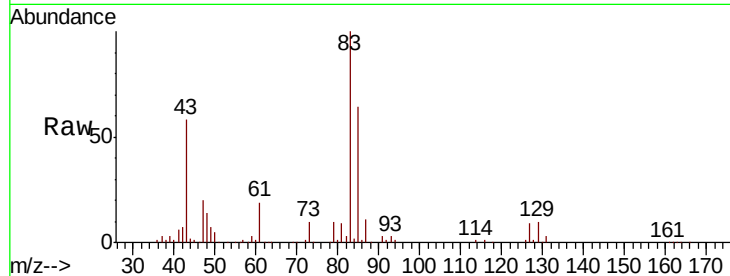
#47
Bromodichloromethane
Concen: 48.544 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.2	75.4
127	8.7	6.9	10.3

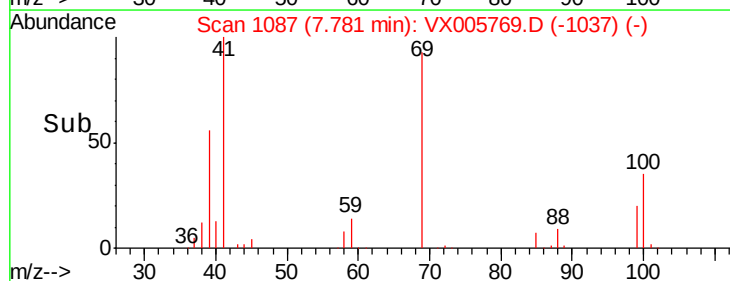
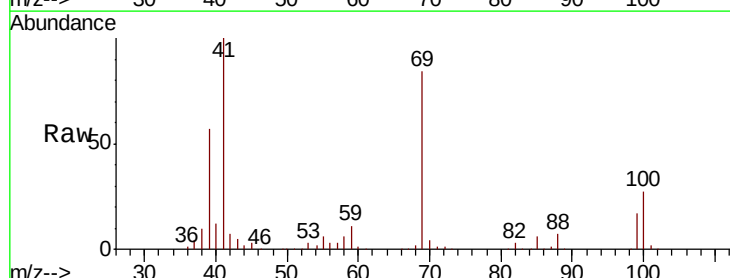
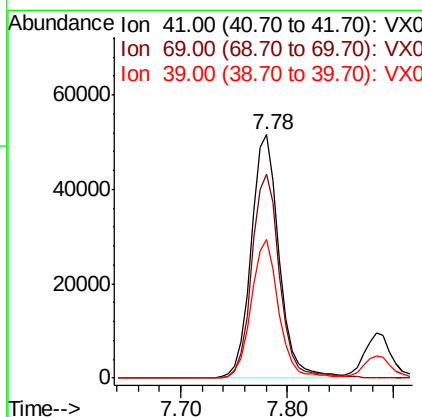
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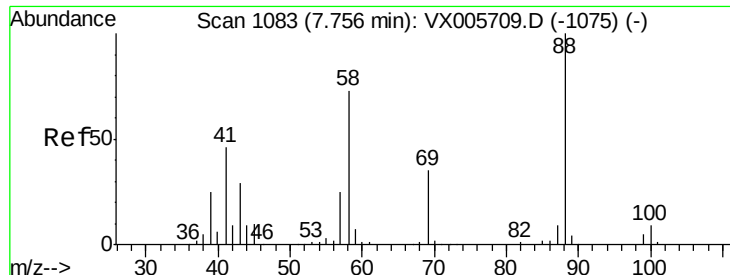
MMDadoda
11/5/2018 3:09:45 PM



#48
Methyl methacrylate
Concen: 50.446 ug/l
RT: 7.78 min Scan# 1087
Delta R.T. 0.01 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
41	100		
69	84.3	63.2	94.8
39	55.8	42.2	63.2





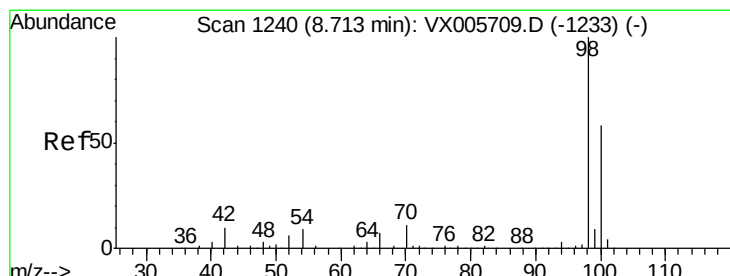
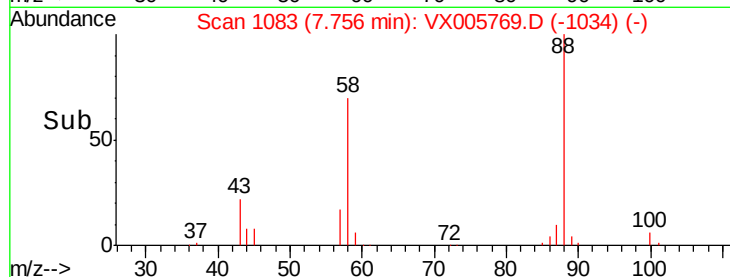
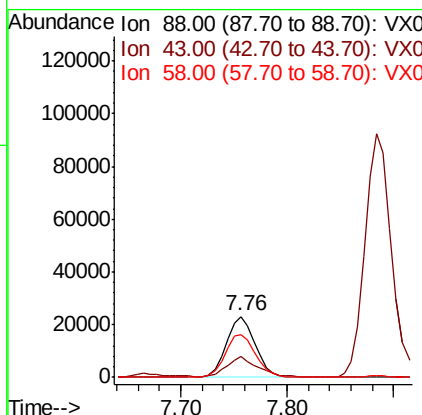
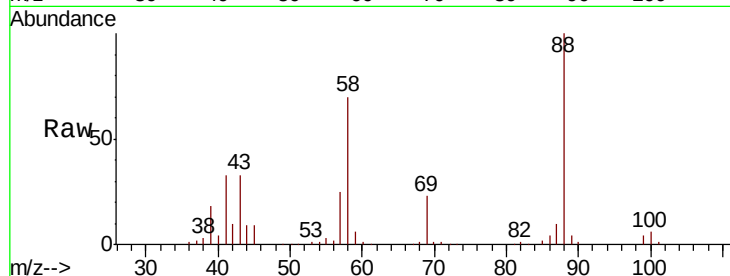
#49
1,4-Dioxane
Concen: 1043.724 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.2	27.4	41.0
58	75.1	59.4	89.2

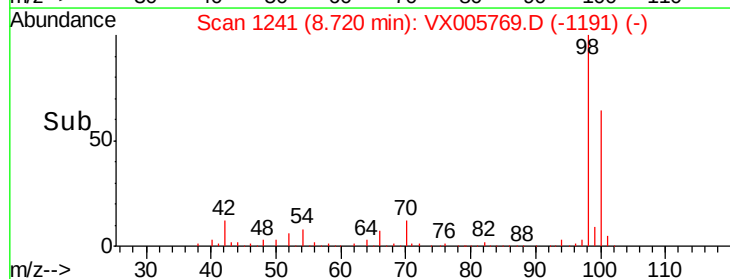
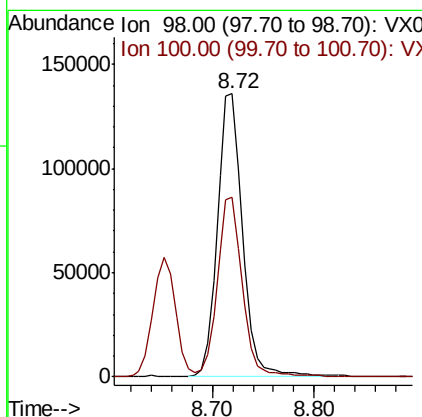
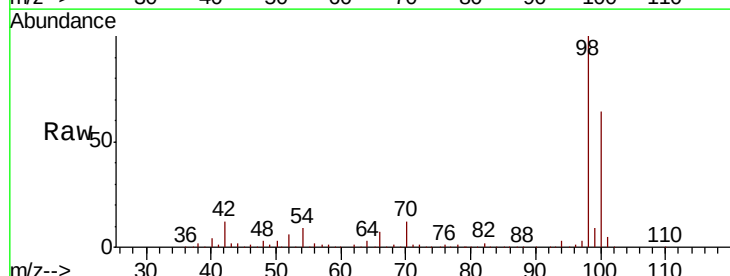
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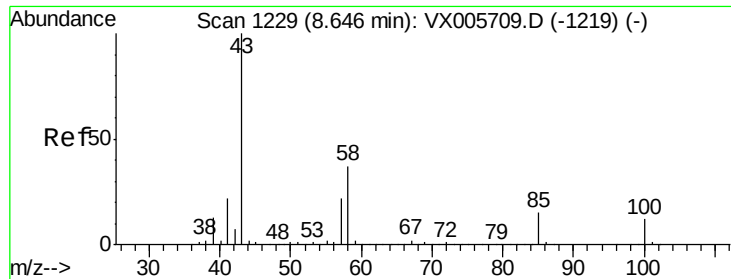
MMDadoda
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#50
Toluene-d8
Concen: 48.978 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 259.647 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 686175

Ion Ratio Lower Upper

43 100

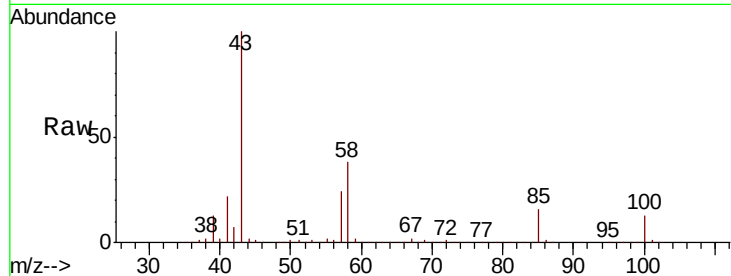
58 38.5 29.7 44.5

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

500000

400000

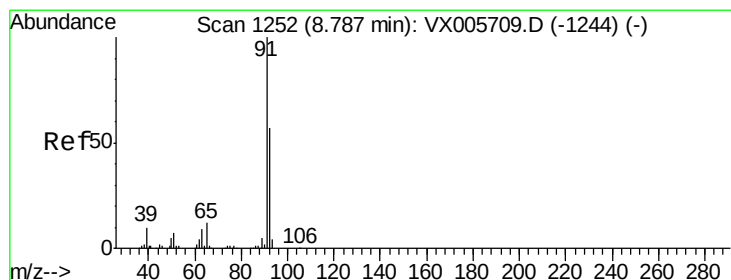
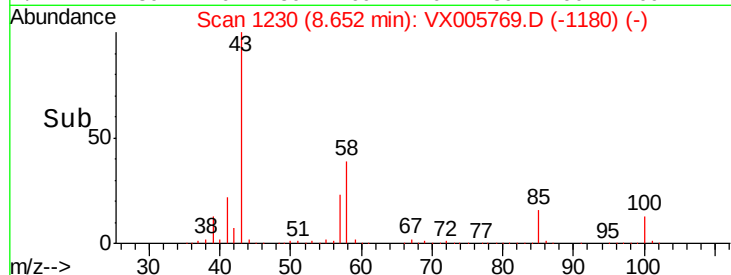
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.955 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005769.D

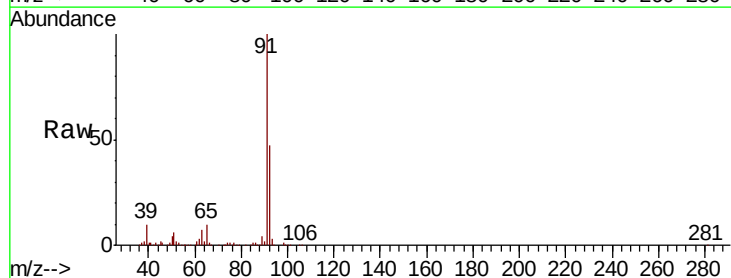
Acq: 02 Nov 2018 20:58

Tgt Ion: 92 Resp: 164885

Ion Ratio Lower Upper

92 100

91 191.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

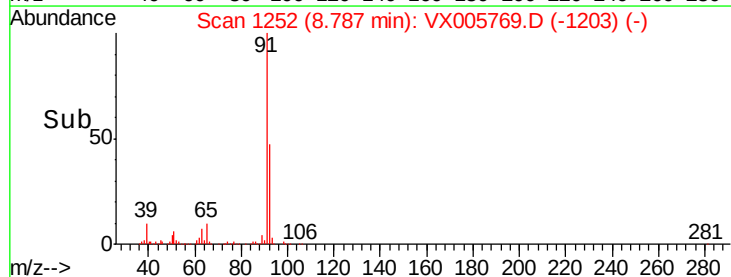
150000

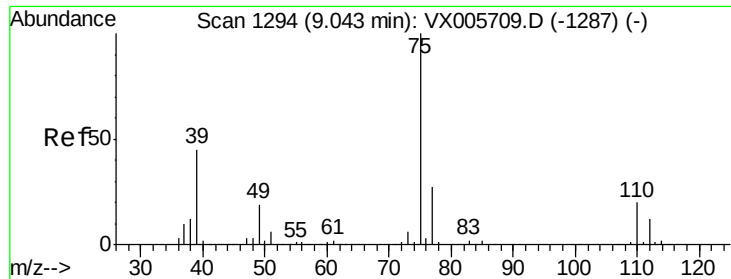
100000

50000

0

Time-->





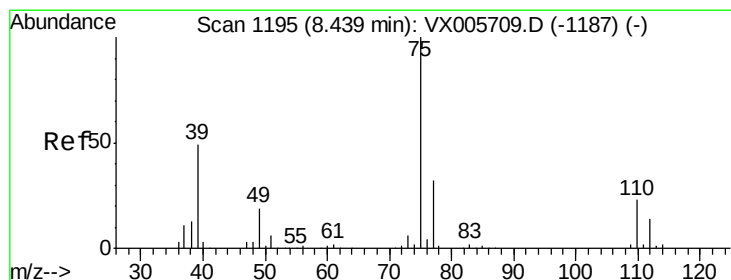
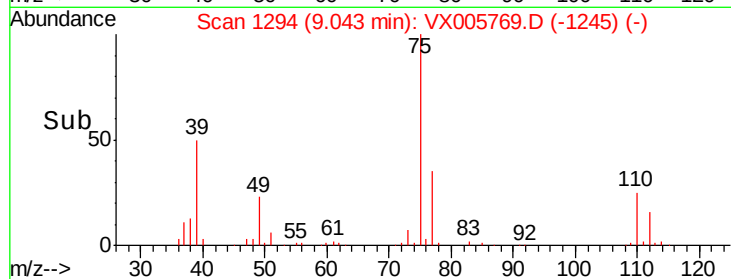
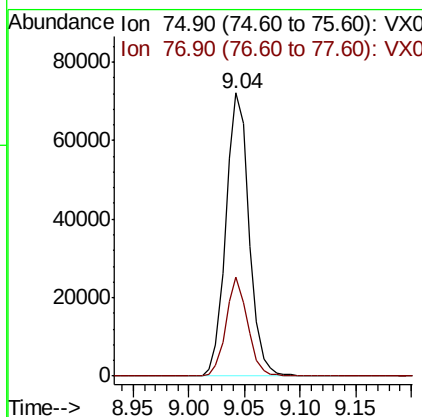
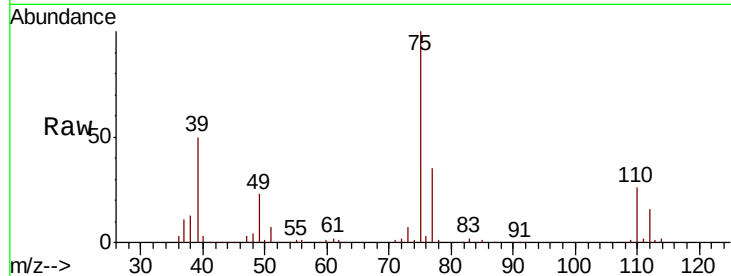
#53
t-1,3-Dichloropropene
Concen: 50.257 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 104185
Ion Ratio Lower Upper
75 100
77 35.2 25.4 38.2

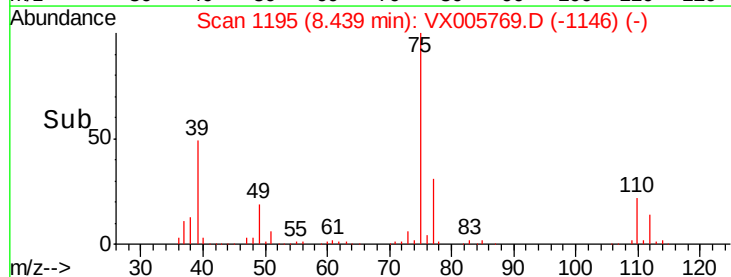
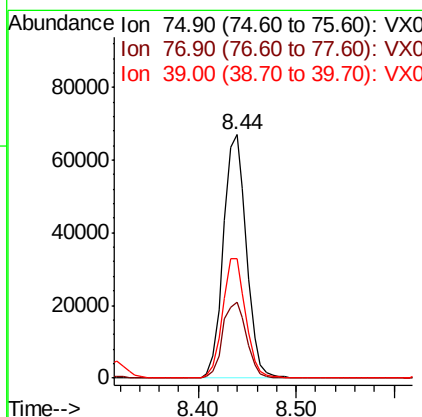
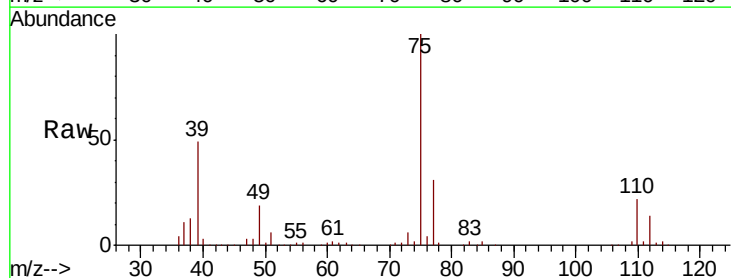
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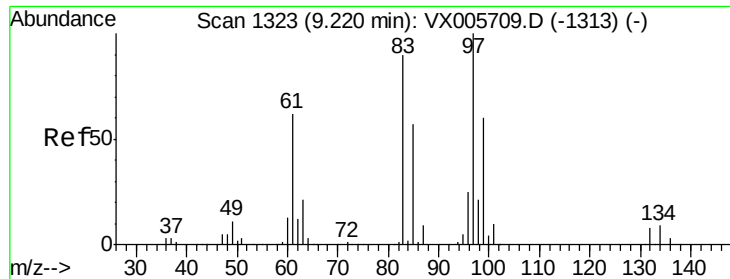
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.239 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Tgt Ion: 75 Resp: 109362
Ion Ratio Lower Upper
75 100
77 31.2 25.2 37.8
39 48.7 38.2 57.2





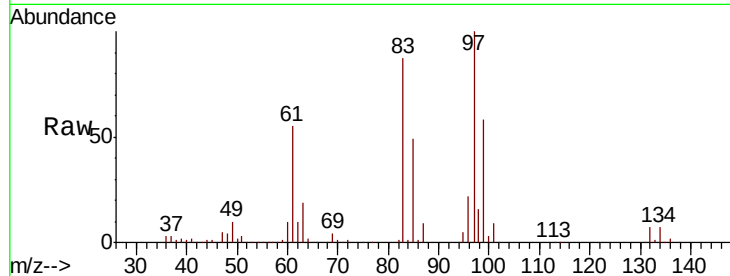
#55
 1,1,2-Trichloroethane
 Concen: 54.365 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005769.D
 Acq: 02 Nov 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		79520		
83	87.1	70.7	106.1		
85	49.3	45.8	68.6		
99	58.2	51.8	77.8		

Manual Integrations
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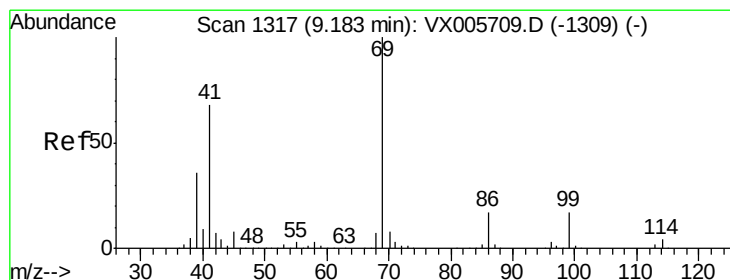
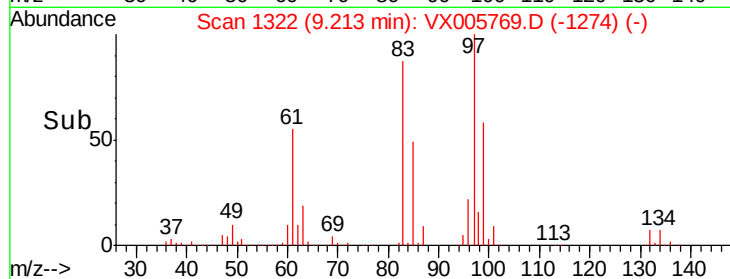
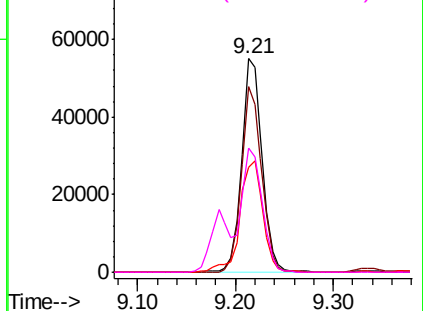
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

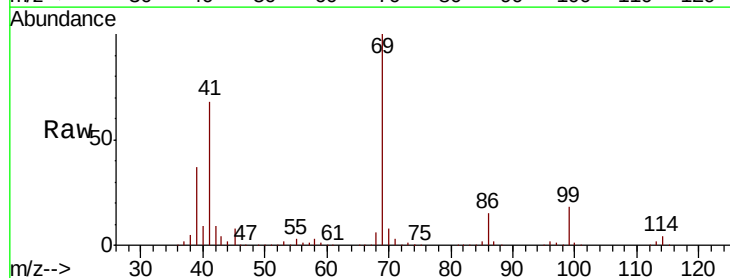
Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 48.151 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005769.D
 Acq: 02 Nov 2018 20:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		119315		
41	69.4	57.0	85.6		
39	37.0	28.3	42.5		

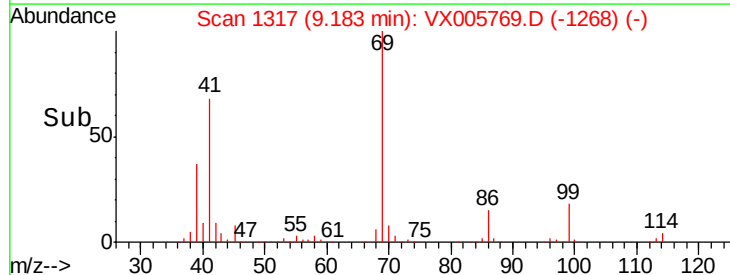
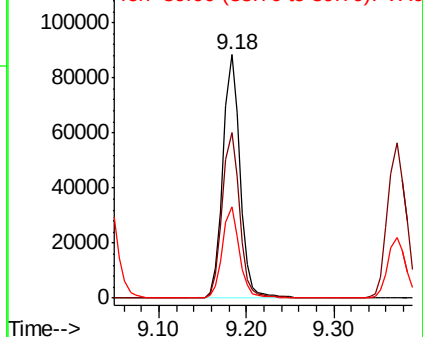


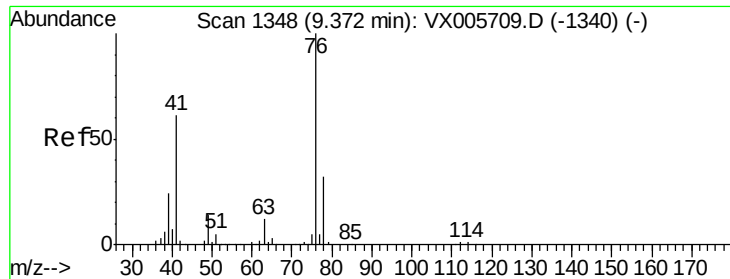
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





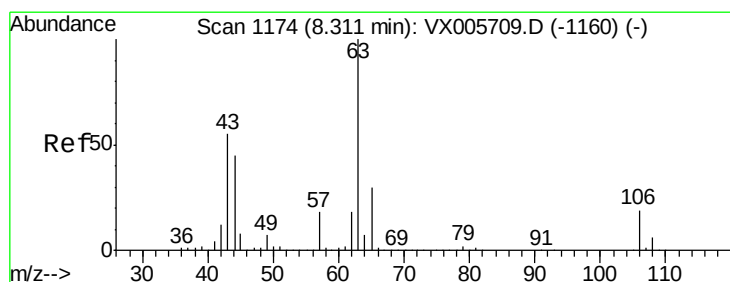
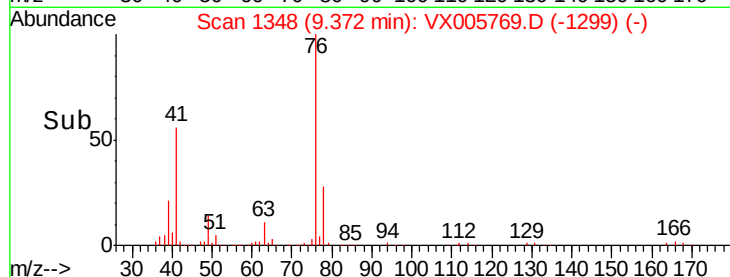
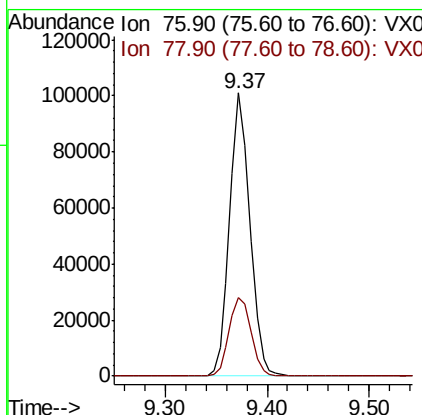
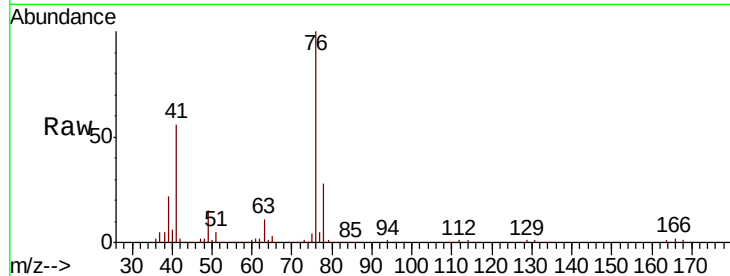
#57
 1,3-Dichloropropane
 Concen: 55.488 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX005769.D
 Acq: 02 Nov 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.2	25.3	37.9

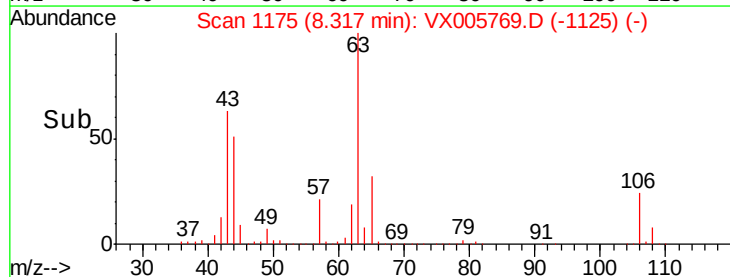
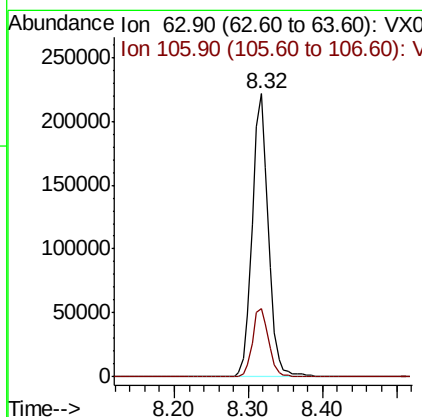
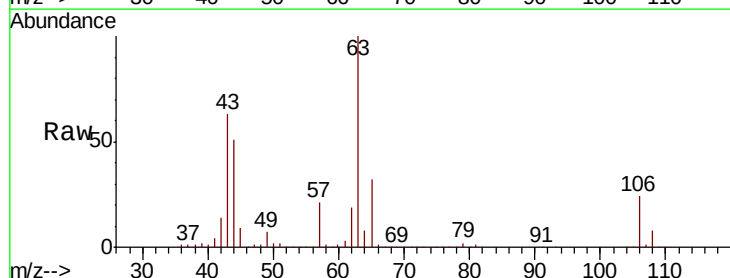
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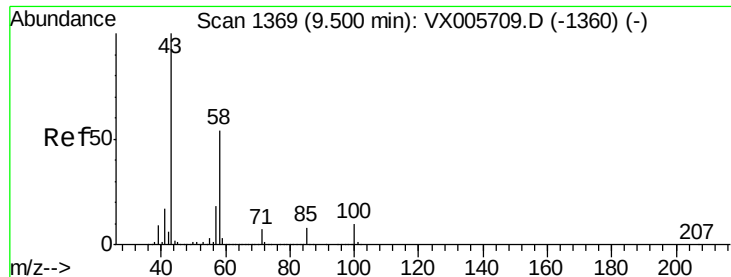
MMDadoda
 11/5/2018 3:09:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.976 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX005769.D
 Acq: 02 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.5	21.3	31.9





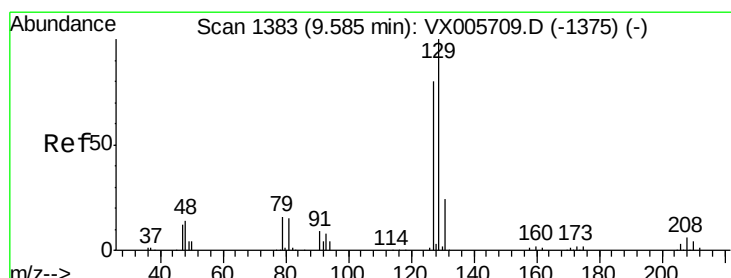
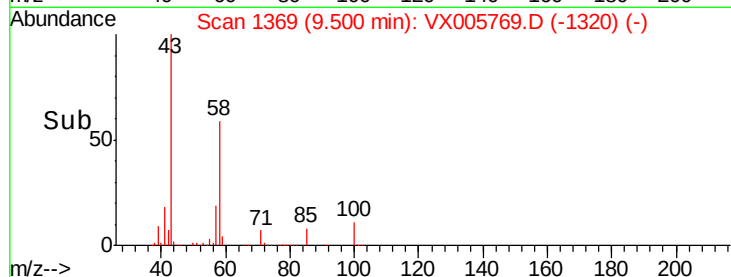
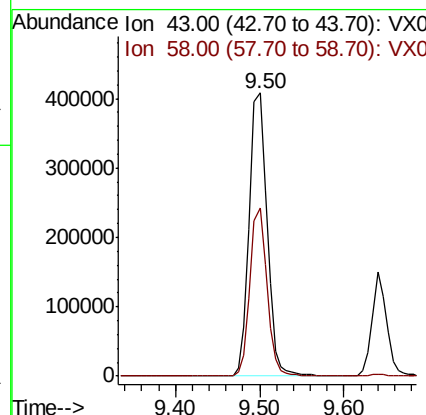
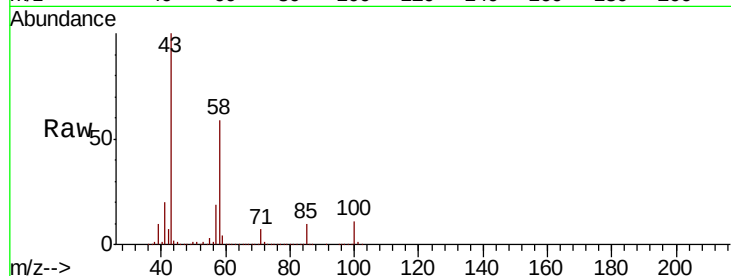
#59
2-Hexanone
Concen: 268.630 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 577729
Ion Ratio Lower Upper
43 100
58 56.7 25.9 77.8

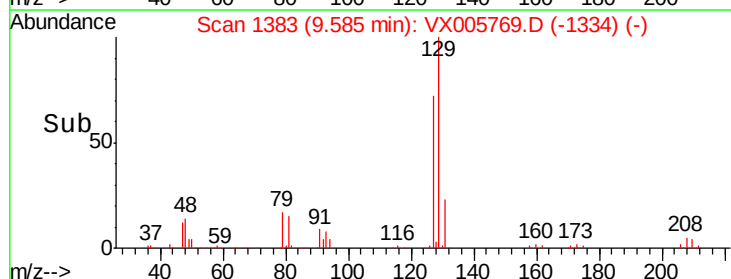
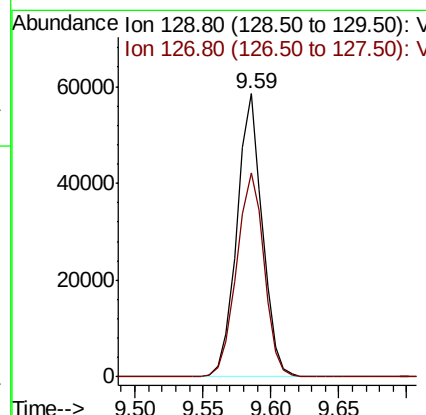
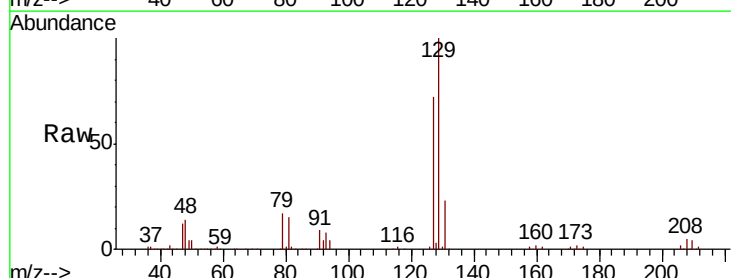
Manual Integrations
APPROVED

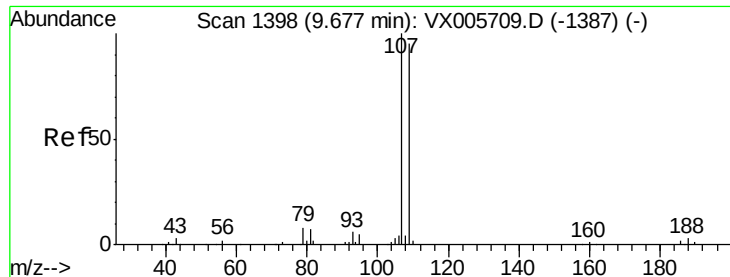
MMDadoda
11/5/2018 3:09:45 PM



#60
Dibromochloromethane
Concen: 53.827 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Tgt Ion: 129 Resp: 76080
Ion Ratio Lower Upper
129 100
127 78.0 38.9 116.7





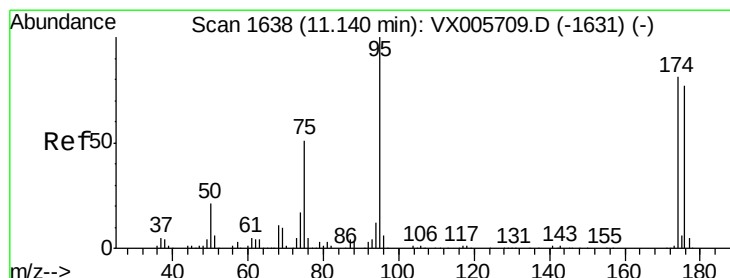
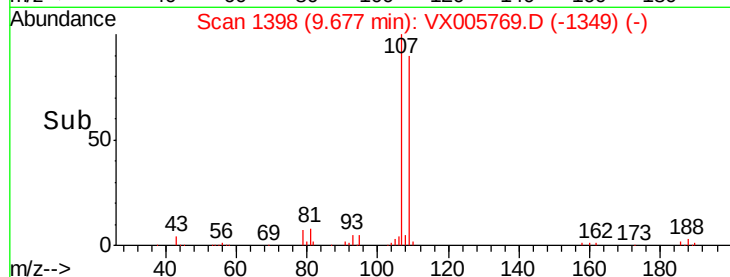
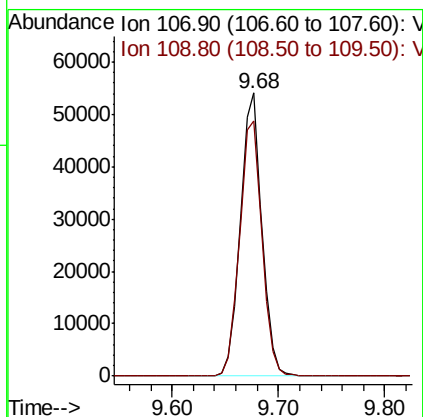
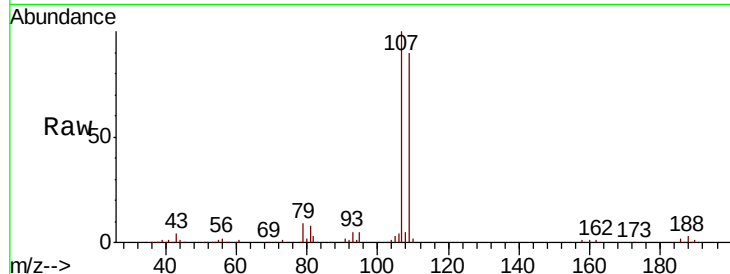
#61
 1,2-Dibromoethane
 Concen: 51.542 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. -0.00 min
 Lab File: VX005769.D
 Acq: 02 Nov 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 76821
 Ion Ratio Lower Upper
 107 100
 109 94.0 75.7 113.5

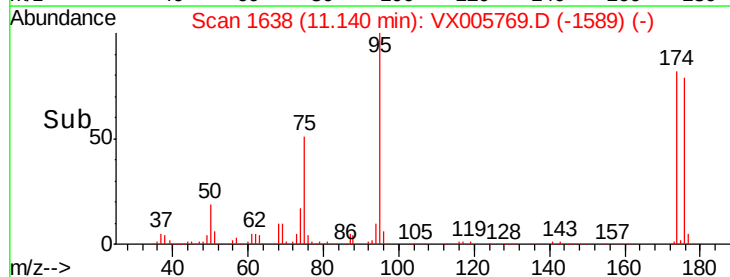
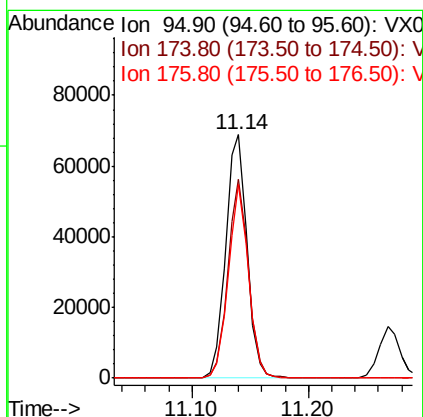
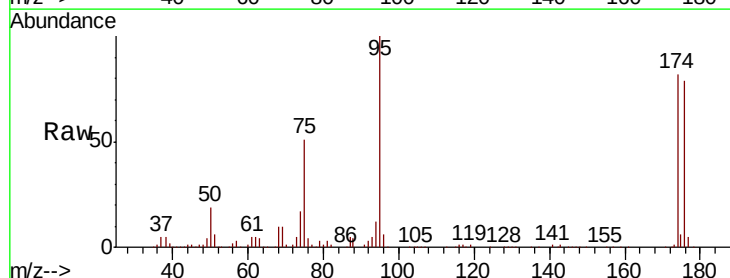
Manual Integrations
 APPROVED

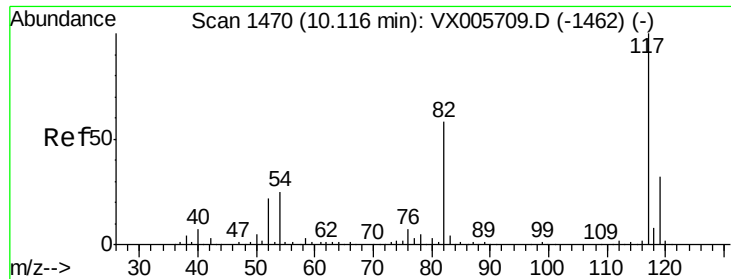
MMDadoda
 11/5/2018 3:09:45 PM



#62
 4-Bromofluorobenzene
 Concen: 49.472 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.00 min
 Lab File: VX005769.D
 Acq: 02 Nov 2018 20:58

Tgt Ion: 95 Resp: 87110
 Ion Ratio Lower Upper
 95 100
 174 79.3 0.0 184.4
 176 75.4 0.0 177.4





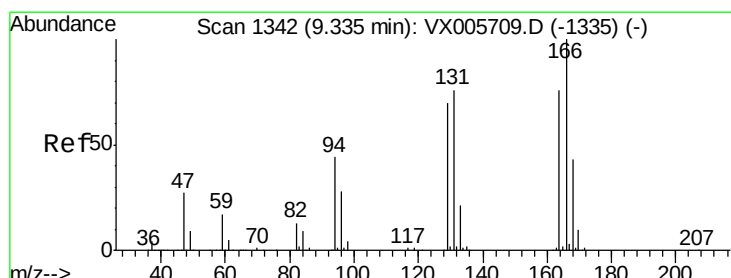
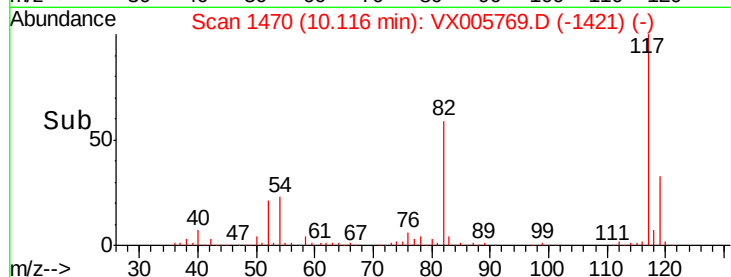
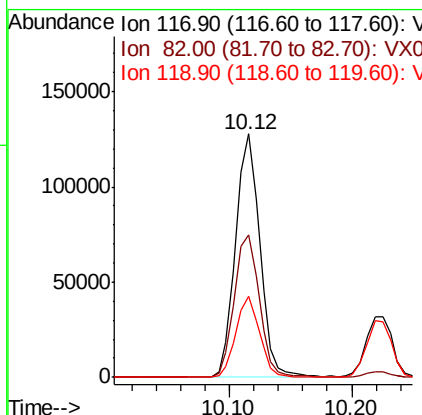
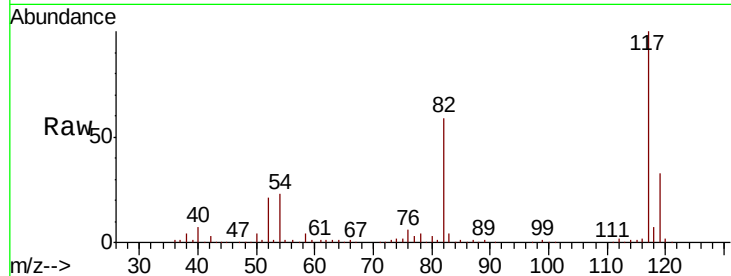
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	44.1	66.1
119	33.0	26.2	39.2

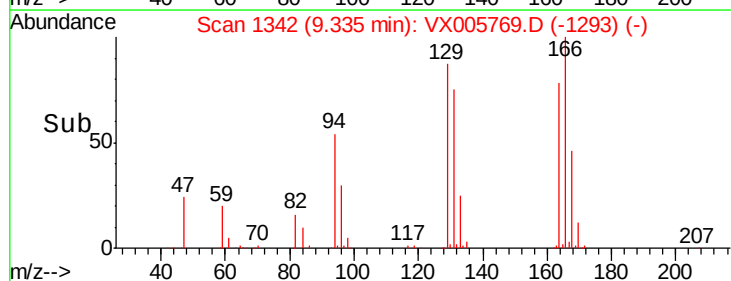
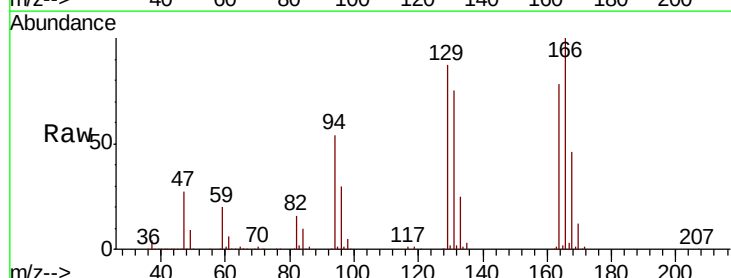
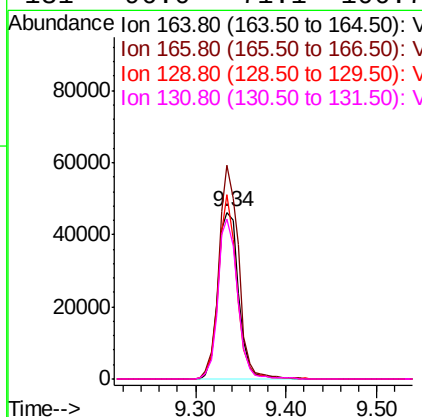
Manual Integrations
APPROVED

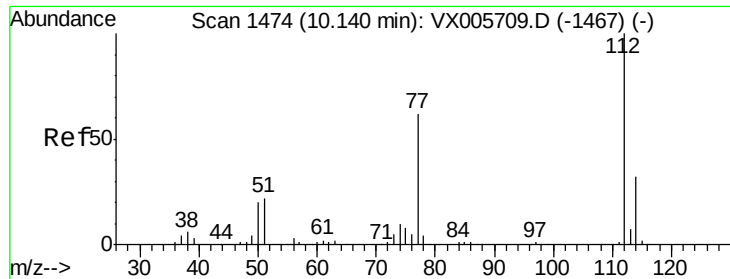
MMDadoda
11/5/2018 3:09:45 PM



#64
Tetrachloroethene
Concen: 57.523 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	101.9	152.9
129	111.1	72.6	109.0
131	96.0	71.1	106.7





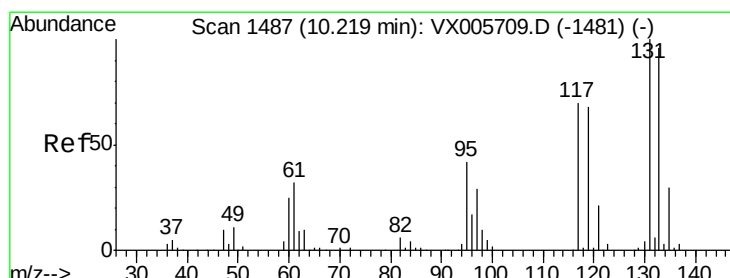
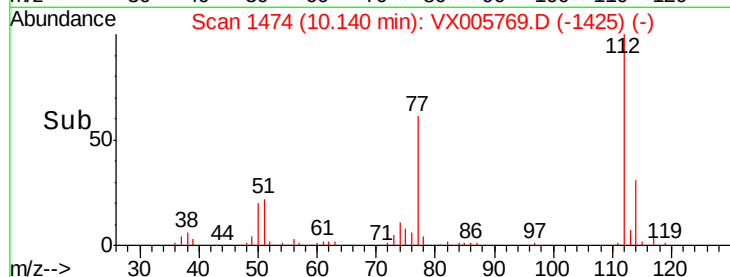
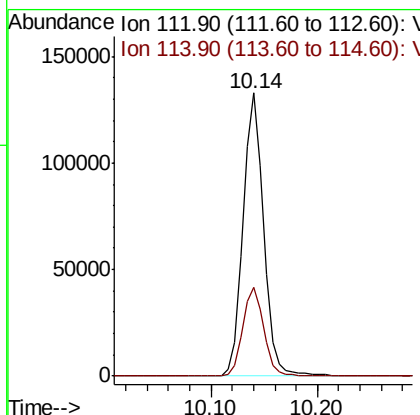
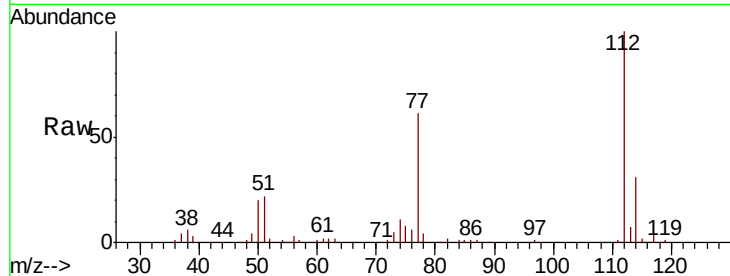
#65
Chlorobenzene
Concen: 48.206 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 180892
Ion Ratio Lower Upper
112 100
114 31.5 25.8 38.6

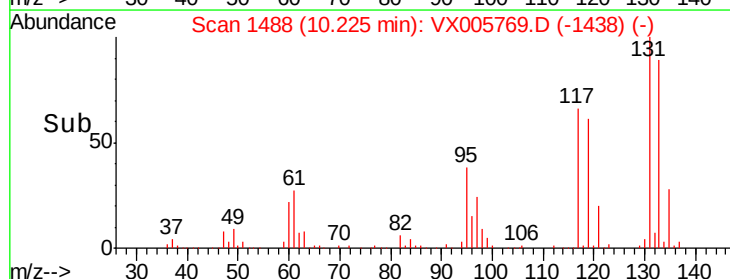
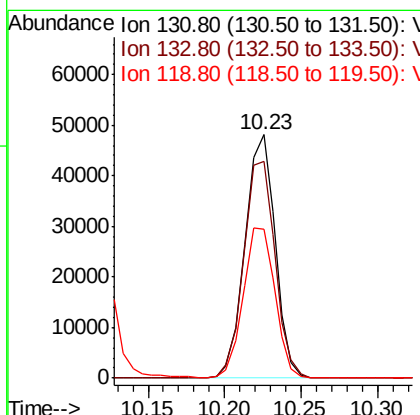
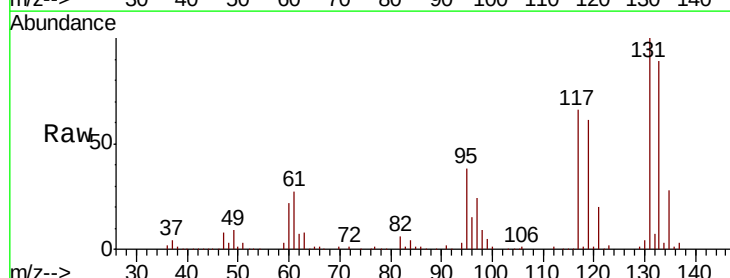
Manual Integrations
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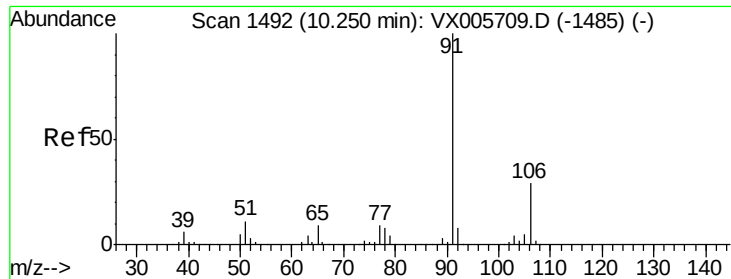
MMDadoda
11/5/2018 3:09:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.318 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Tgt Ion:131 Resp: 65924
Ion Ratio Lower Upper
131 100
133 92.9 47.5 142.5
119 65.2 31.8 95.3





#67

Ethyl Benzene

Concen: 52.011 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 333096

Ion Ratio Lower Upper

91 100

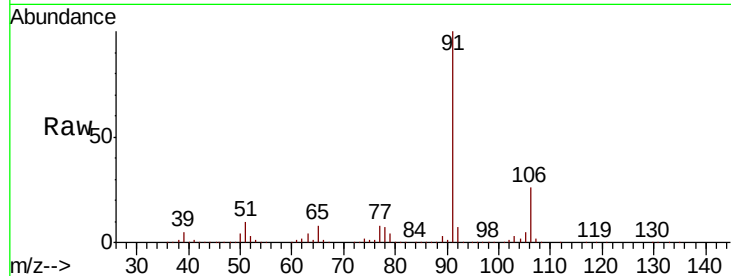
106 25.8 24.4 36.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX005709.D (-1485) (-)

Ion 106.00 (105.70 to 106.70): VX005709.D (-1485) (-)

400000

300000

200000

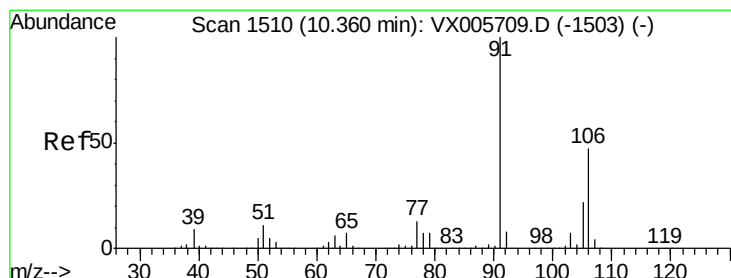
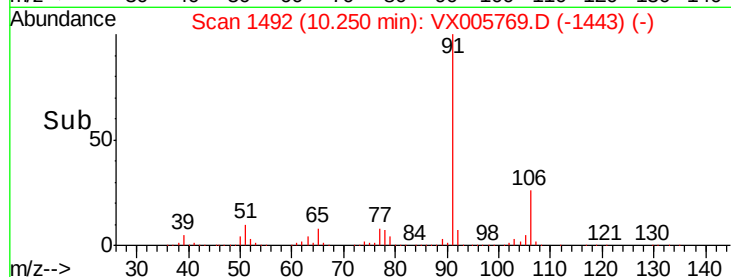
100000

0

10.20

10.30

Time-->



#68

m/p-Xylenes

Concen: 102.330 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX005769.D

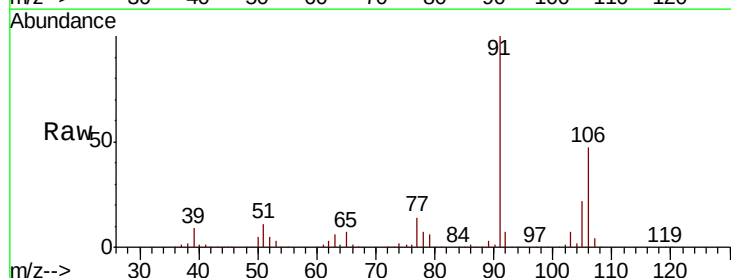
Acq: 02 Nov 2018 20:58

Tgt Ion: 106 Resp: 243520

Ion Ratio Lower Upper

106 100

91 211.7 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): VX005709.D (-1503) (-)

Ion 91.00 (90.70 to 91.70): VX005709.D (-1503) (-)

400000

300000

200000

100000

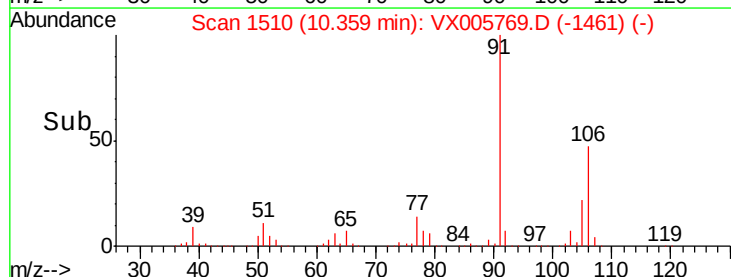
0

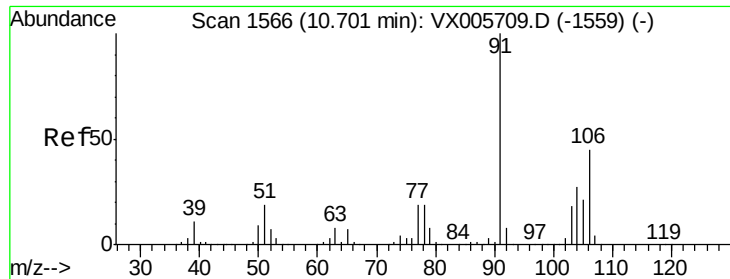
10.30

10.40

10.50

Time-->





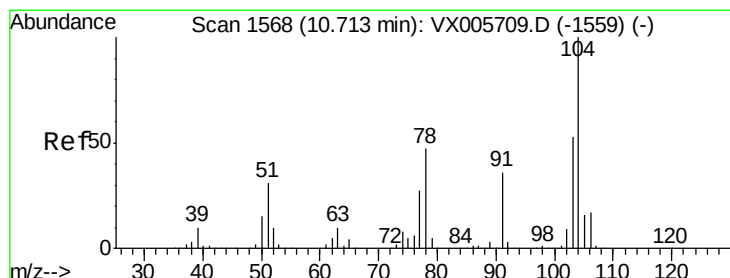
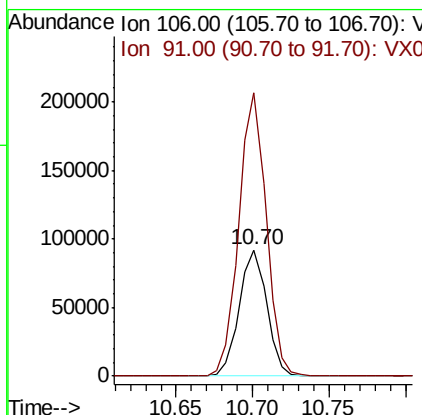
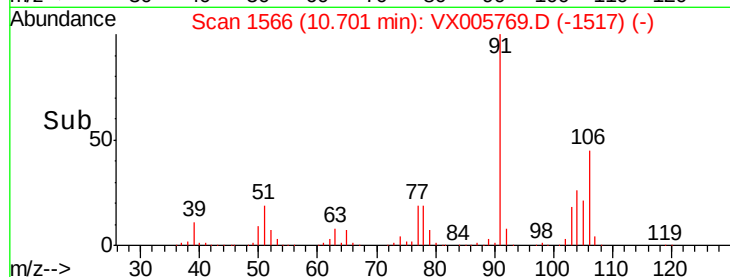
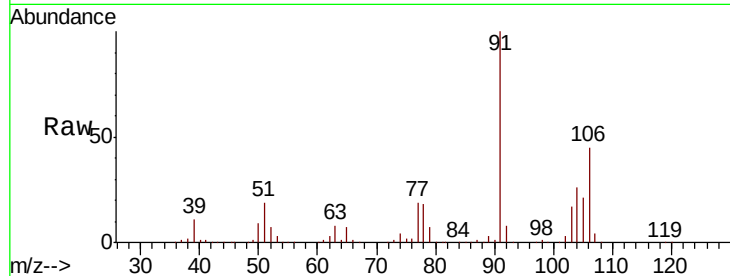
#69
o-Xylene
Concen: 50.944 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	221.9	108.5	325.5

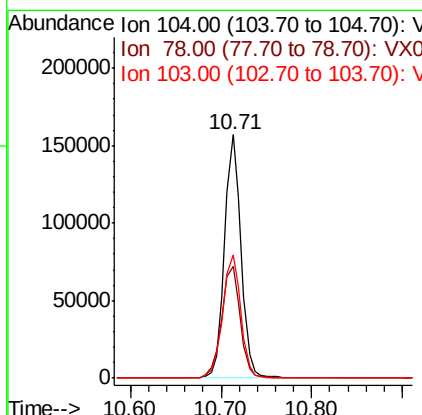
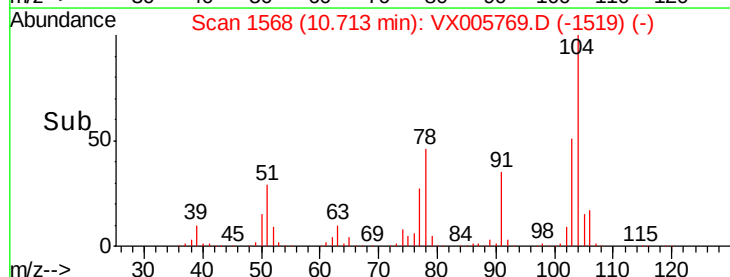
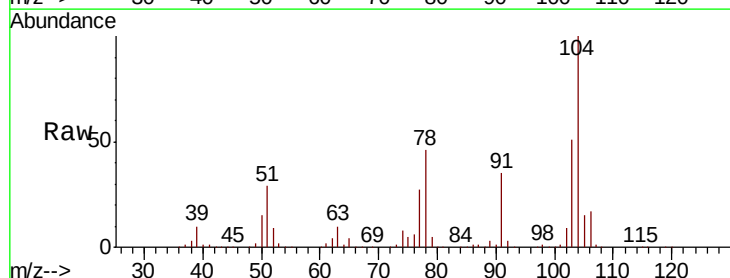
Manual Integrations
APPROVED

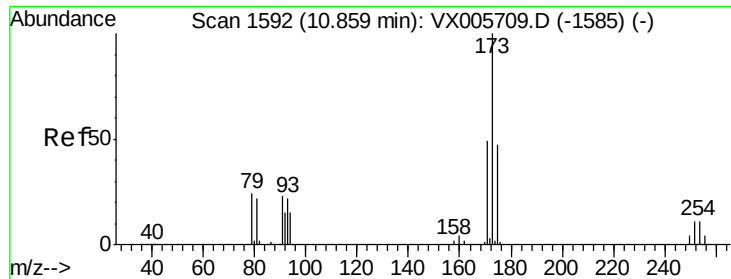
MMDadoda
11/5/2018 3:09:45 PM



#70
Styrene
Concen: 52.796 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.2	40.2	60.4
103	55.8	44.9	67.3





#71

Bromoform

Concen: 50.255 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Instrument :

MSVOA_X

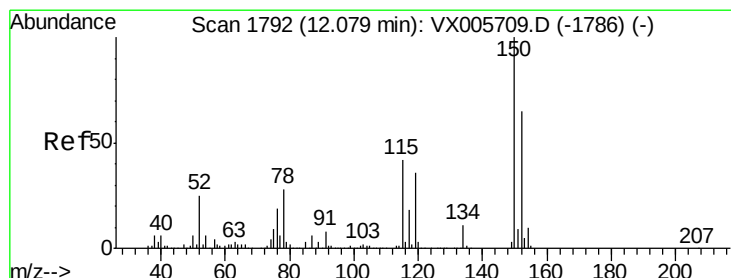
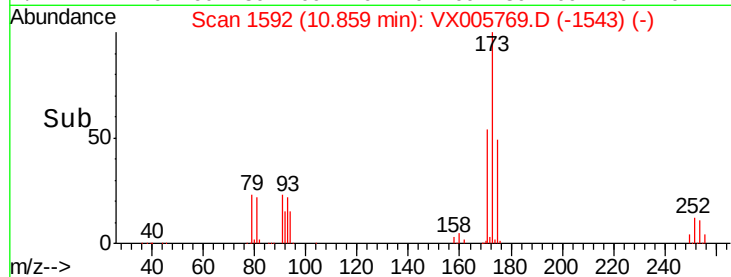
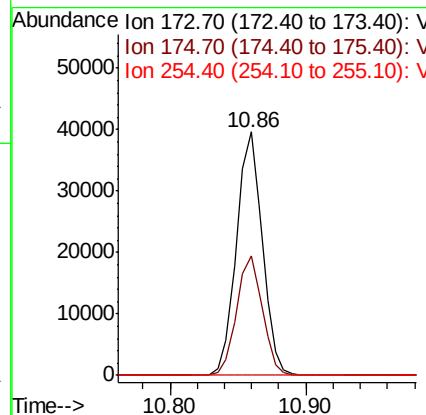
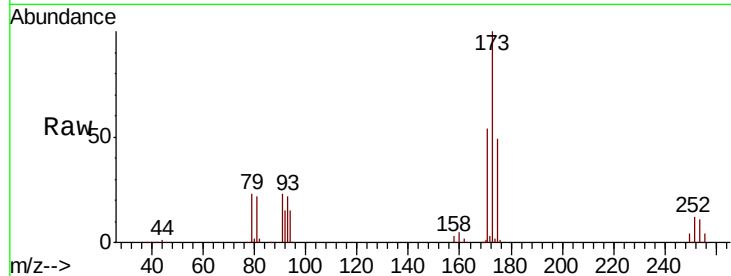
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	52307
Ion Ratio	Lower	Upper	
173	100		
175	49.2	24.8	74.3
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

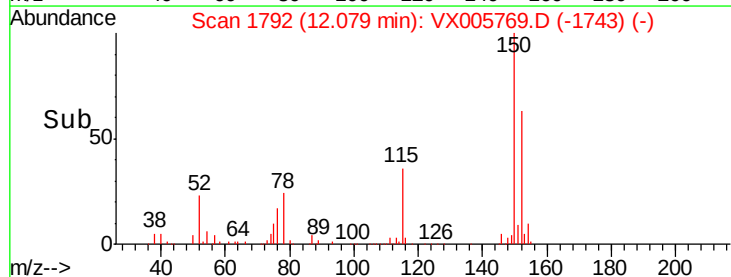
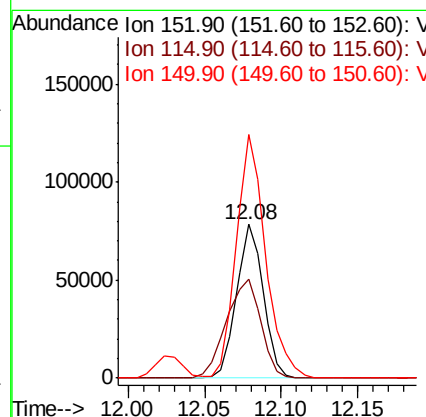
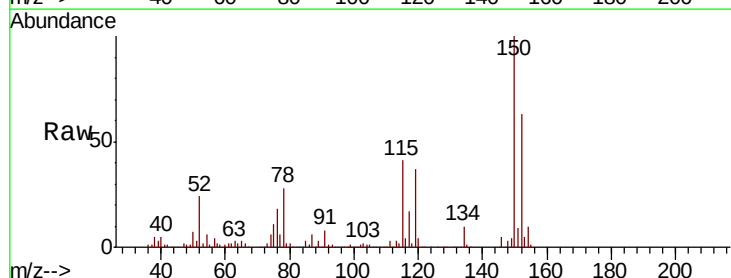
RT: 12.08 min Scan# 1792

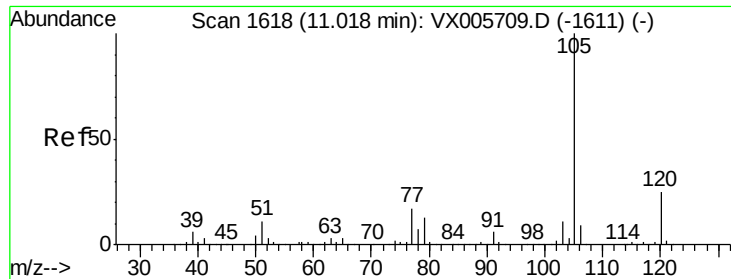
Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Tgt Ion:	152	Resp:	94975
Ion Ratio	Lower	Upper	
152	100		
115	83.0	39.4	118.1
150	174.1	0.0	346.4





#73

Isopropylbenzene

Concen: 51.207 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 320856

Ion Ratio Lower Upper

105 100

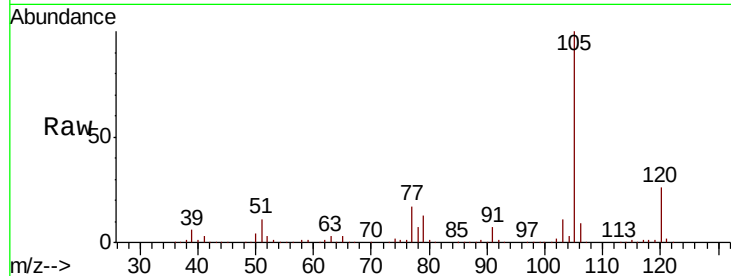
120 25.7 13.1 39.3

Manual Integrations

APPROVED

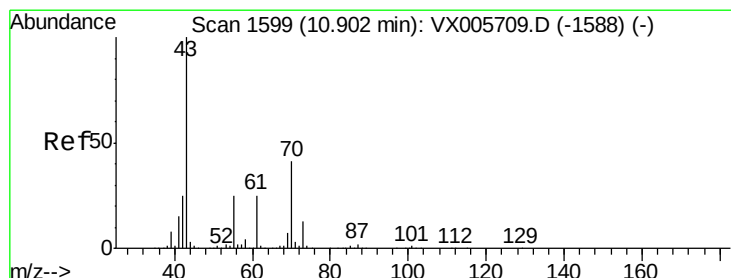
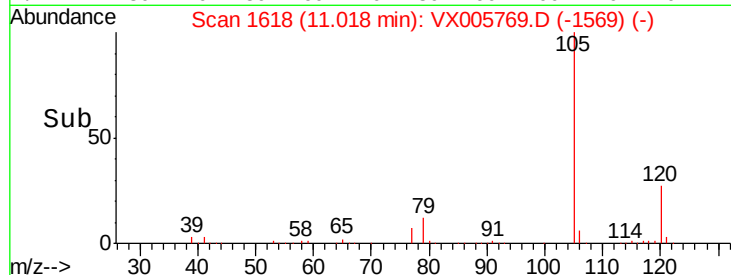
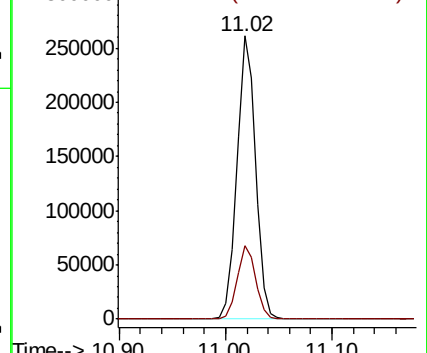
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.385 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Tgt Ion: 43 Resp: 168084

Ion Ratio Lower Upper

43 100

70 41.3 31.6 47.4

55 26.4 19.7 29.5

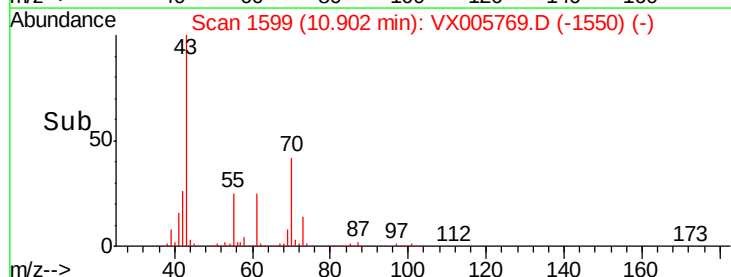
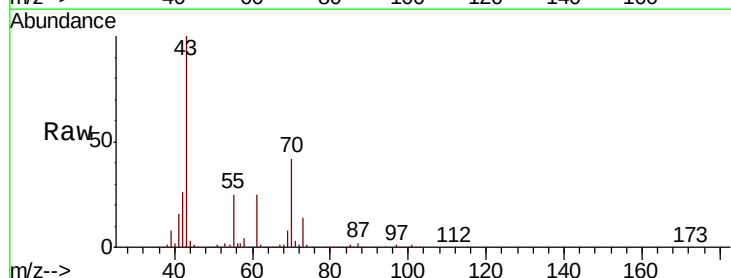
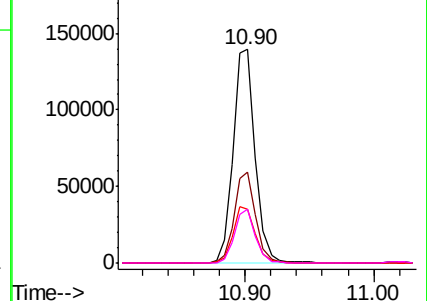
61 23.9 18.3 27.5

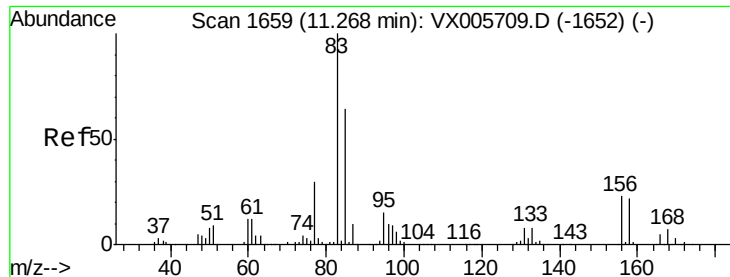
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.371 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Instrument :

MSVOA_X

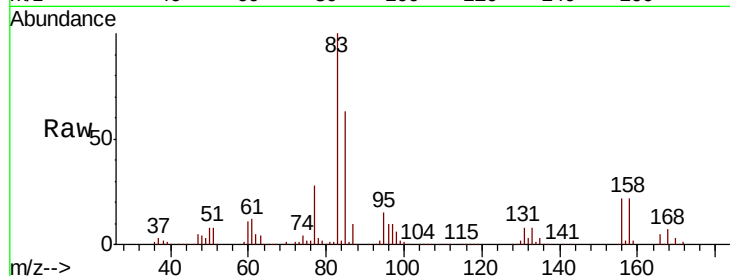
ClientSampleId :

VSTDCCC050EC

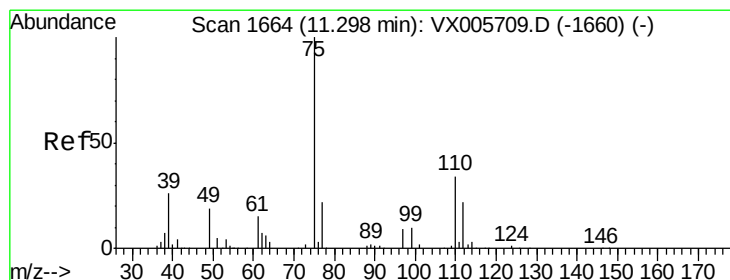
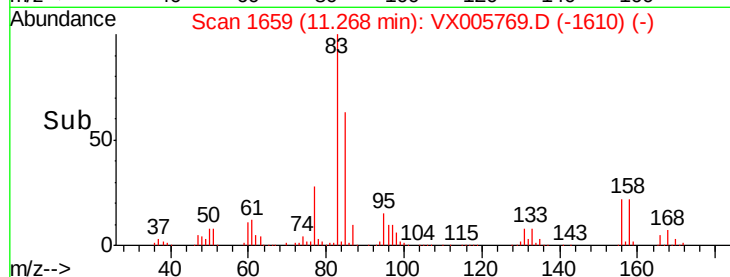
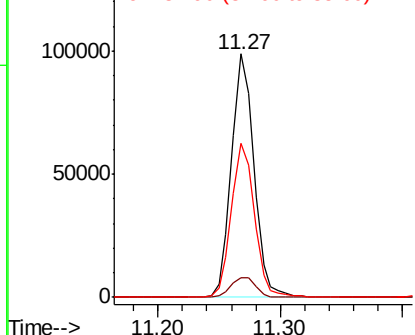
Tot Ion:	83	Resp:	125744
Ion Ratio	Lower	Upper	
83	100		
131	9.0	5.3	15.9
85	64.7	32.0	96.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 49.281 ug/l m

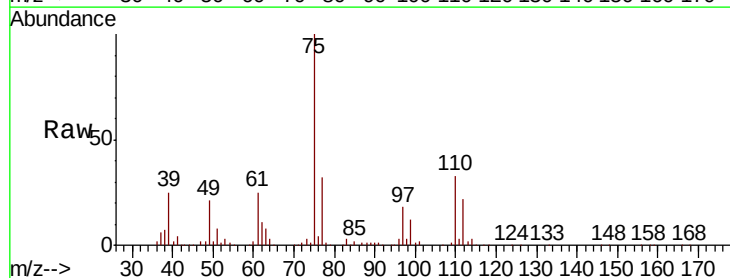
RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

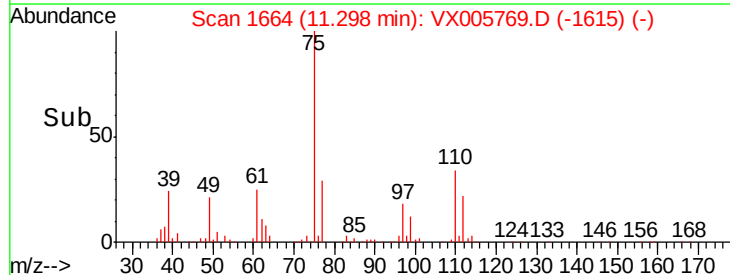
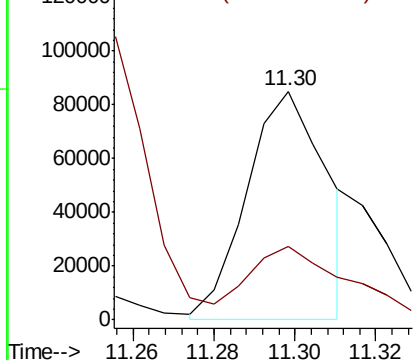
Lab File: VX005769.D

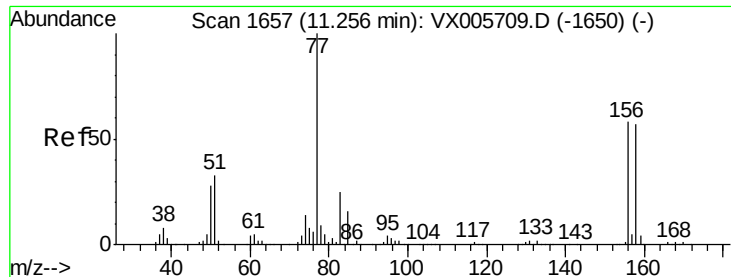
Acq: 02 Nov 2018 20:58

Tgt Ion:	75	Resp:	116573
Ion Ratio	Lower	Upper	
75	100		
77	39.7	20.5	61.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.161 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Instrument :

MSVOA_X

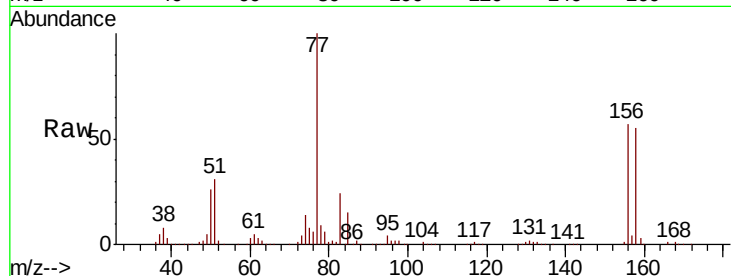
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	175.0	74.8	224.4	
158	97.5	49.1	147.3	

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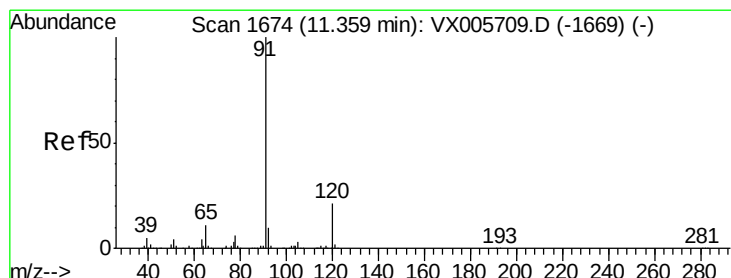
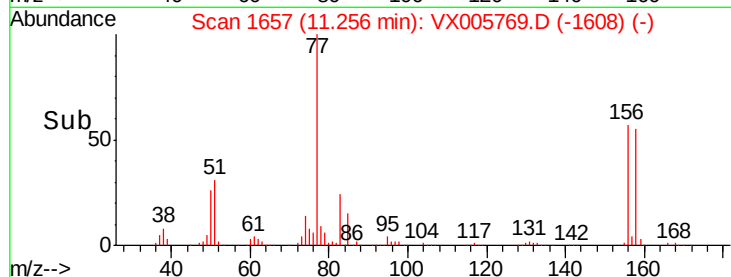
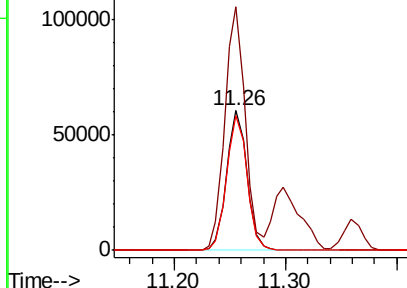
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.660 ug/l

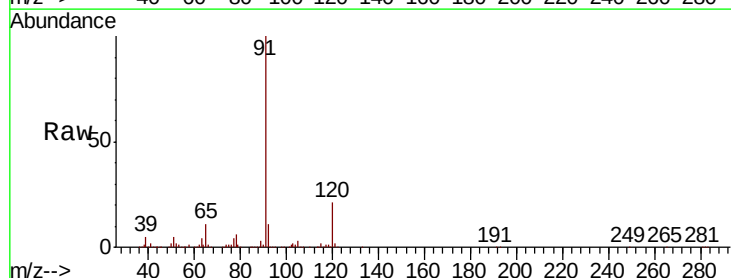
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005769.D

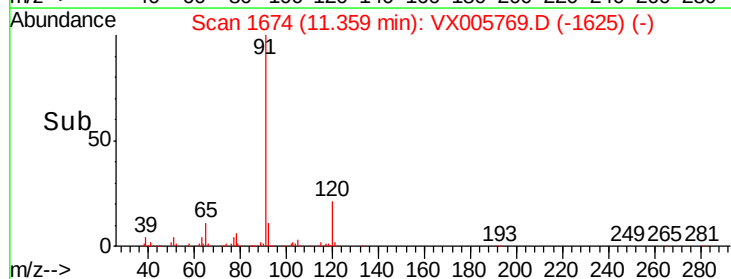
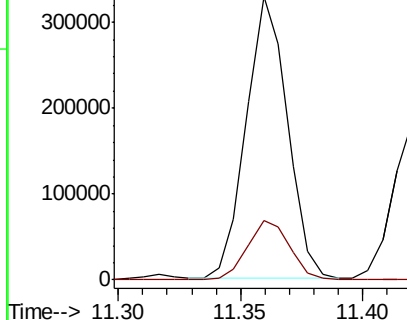
Acq: 02 Nov 2018 20:58

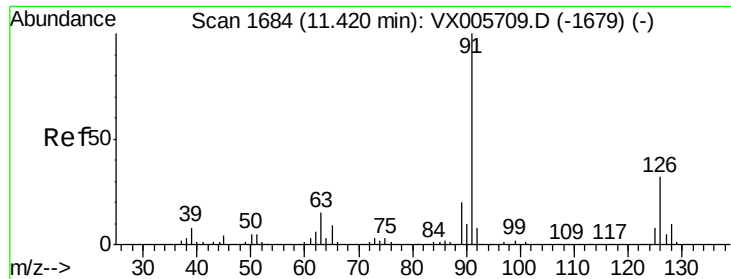
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.9	11.9	35.5	



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





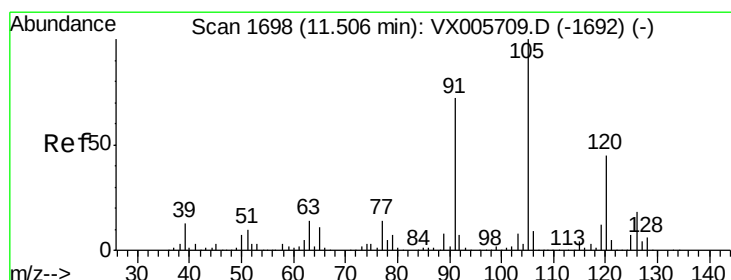
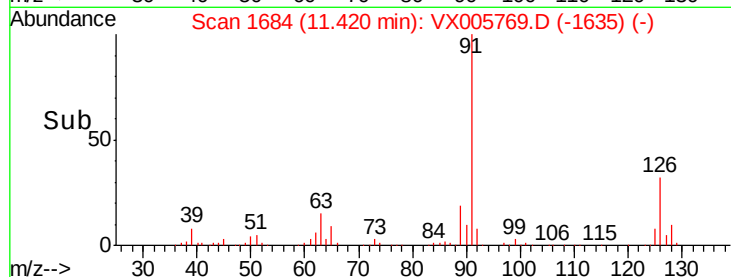
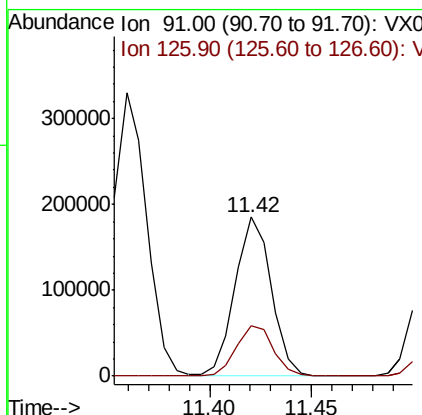
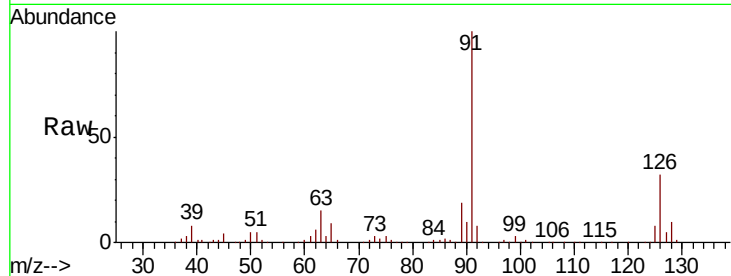
#79
 2-Chlorotoluene
 Concen: 49.979 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005769.D
 Acq: 02 Nov 2018 20:58

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDCCC050EC

Tot Ion: 91 Resp: 227536
 Ion Ratio Lower Upper
 91 100
 126 32.6 17.3 52.0

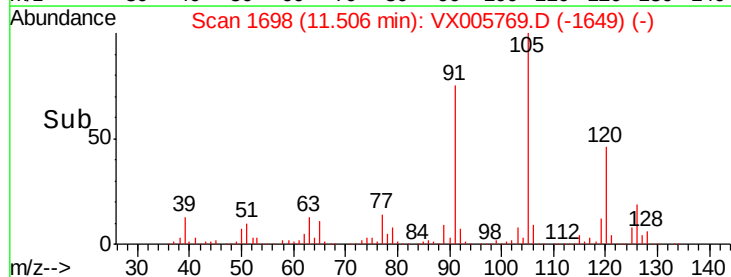
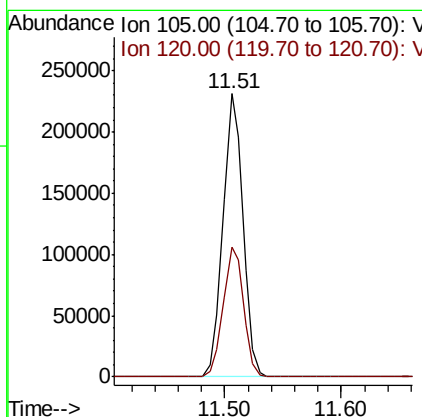
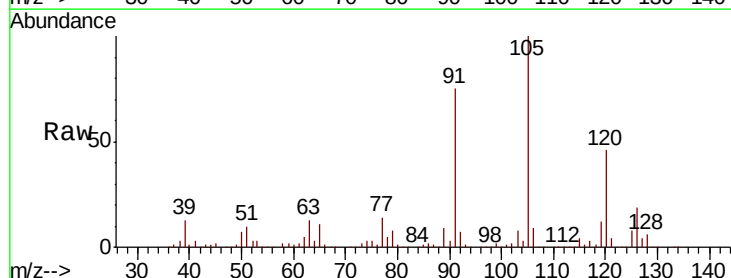
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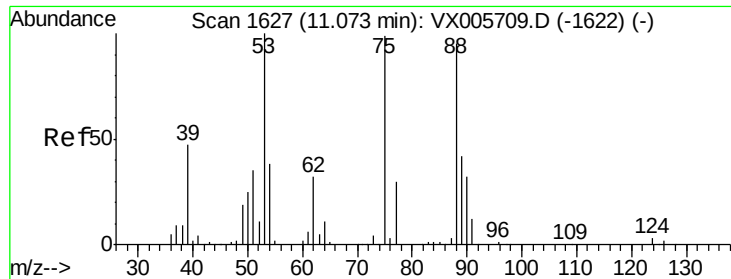
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.346 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005769.D
 Acq: 02 Nov 2018 20:58

Tgt Ion: 105 Resp: 273177
 Ion Ratio Lower Upper
 105 100
 120 46.9 24.1 72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 46.862 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 34309

Ion Ratio Lower Upper

75 100

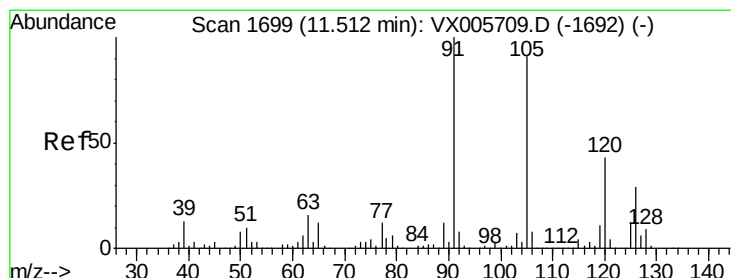
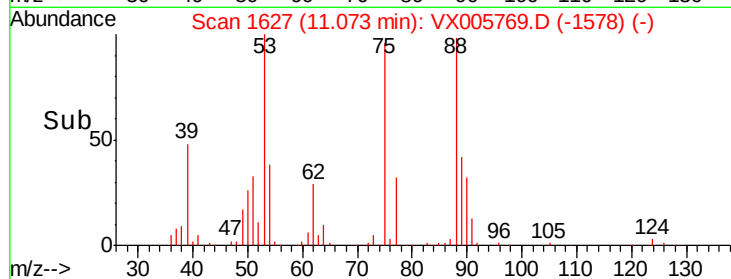
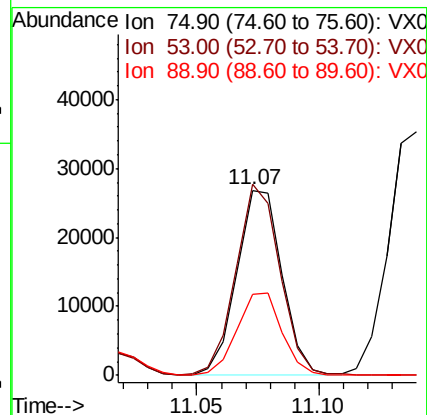
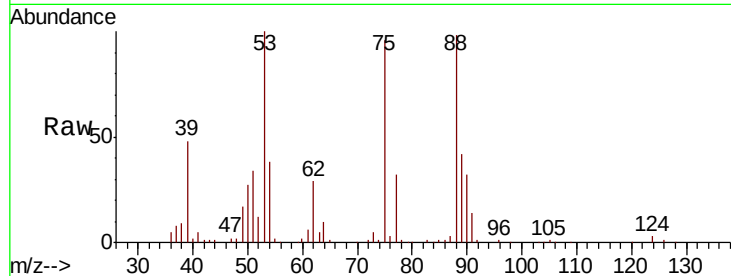
53 100.7 80.2 120.2

89 44.4 39.8 59.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 49.469 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005769.D

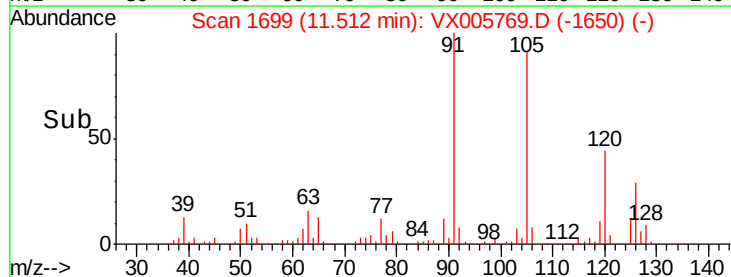
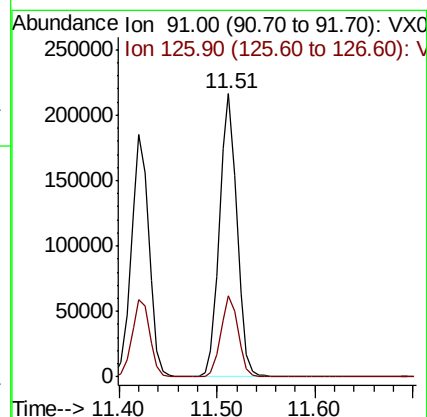
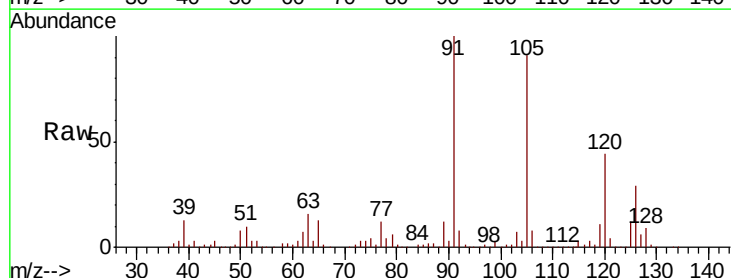
Acq: 02 Nov 2018 20:58

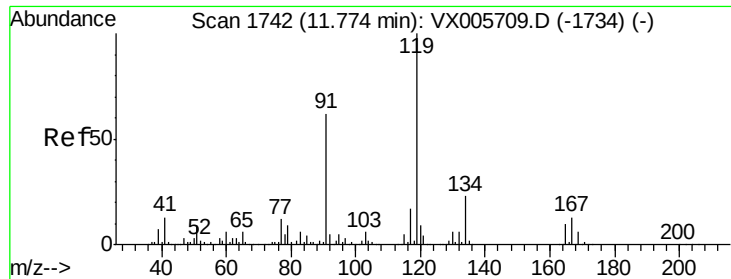
Tgt Ion: 91 Resp: 268870

Ion Ratio Lower Upper

91 100

126 28.4 15.2 45.6





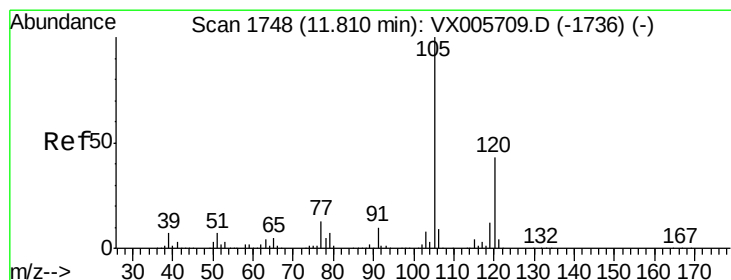
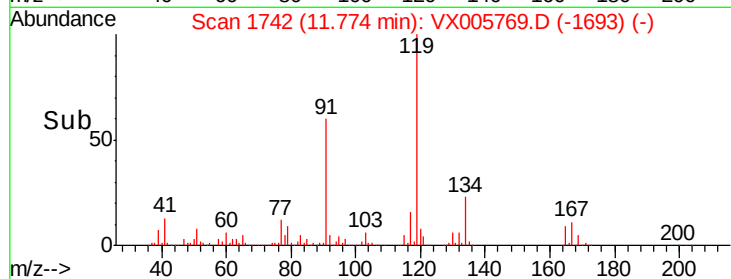
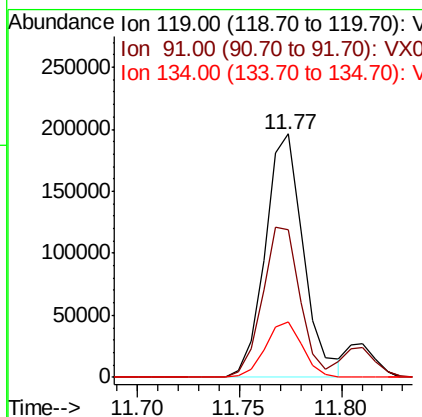
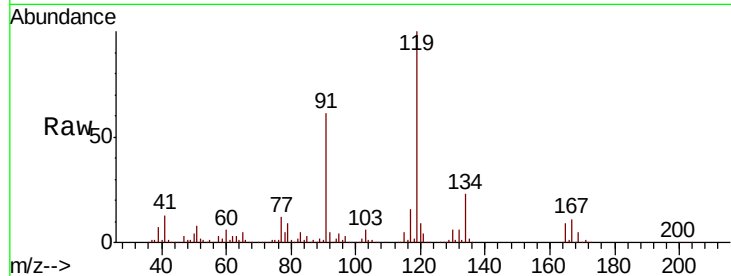
#83
 tert-Butylbenzene
 Concen: 50.486 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. -0.00 min
 Lab File: VX005769.D
 Acq: 02 Nov 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.6	28.5	85.5
134	22.4	11.3	33.8

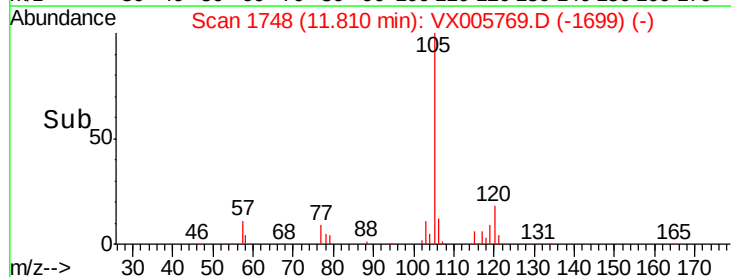
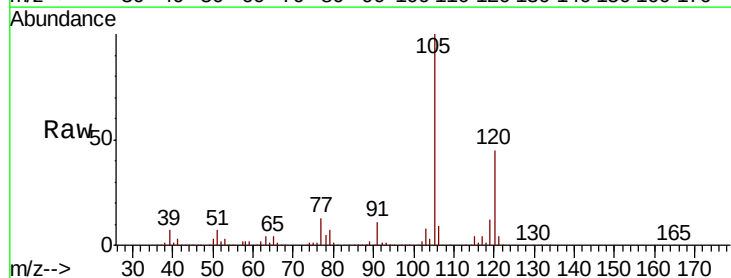
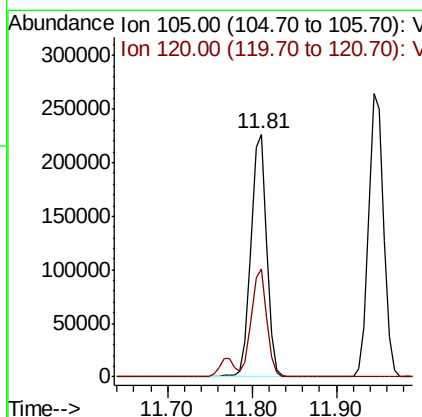
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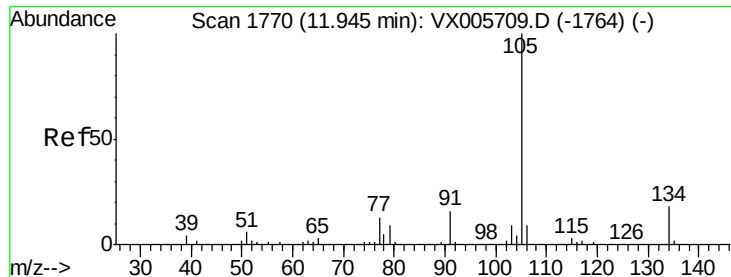
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.199 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. -0.00 min
 Lab File: VX005769.D
 Acq: 02 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.4	67.0





#85

sec-Butylbenzene

Concen: 50.530 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 329038

Ion Ratio Lower Upper

105 100

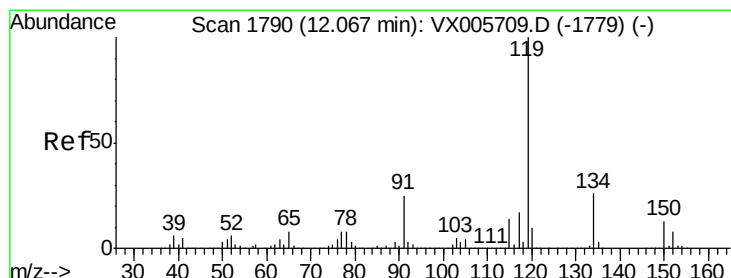
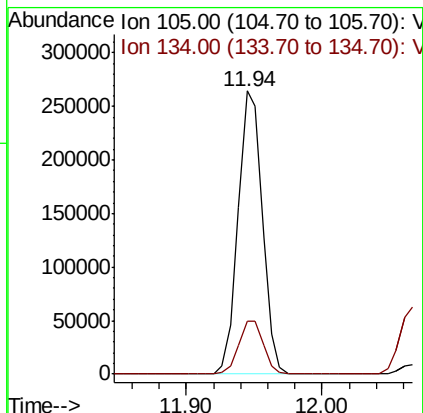
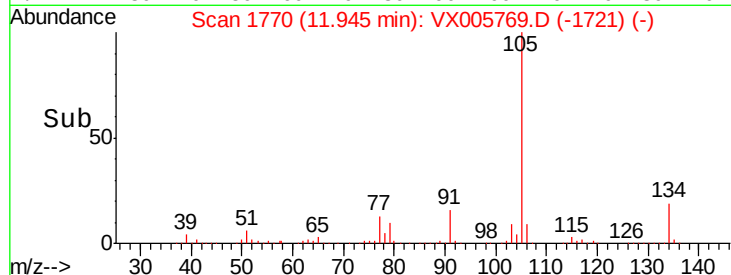
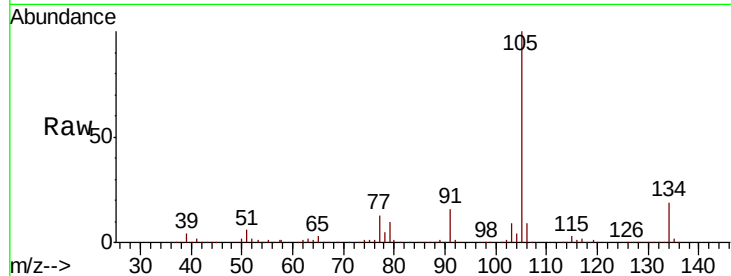
134 19.0 10.2 30.4

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#86

p-Isopropyltoluene

Concen: 50.942 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

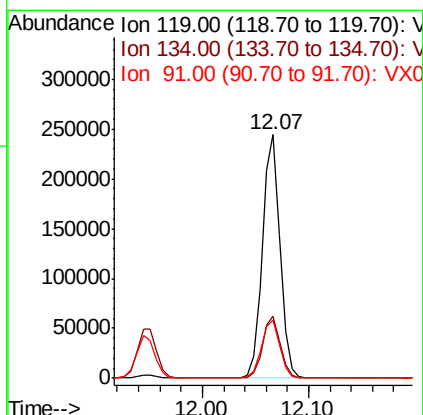
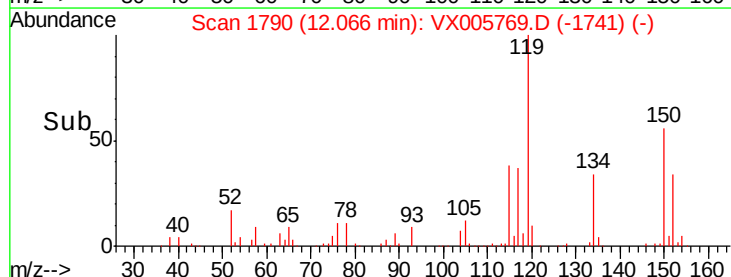
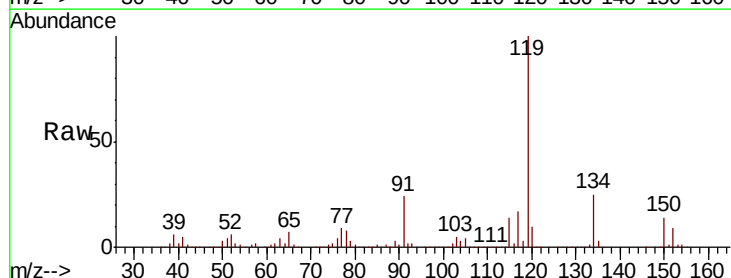
Tgt Ion:119 Resp: 282123

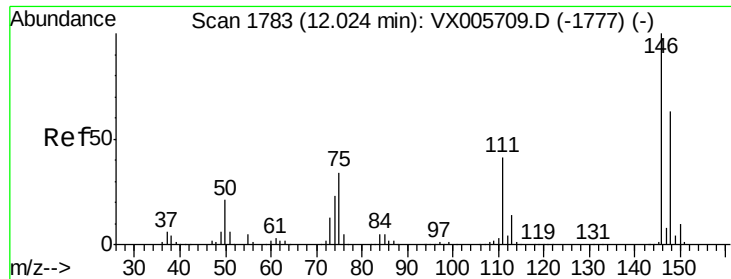
Ion Ratio Lower Upper

119 100

134 25.6 13.0 39.0

91 24.7 11.4 34.2





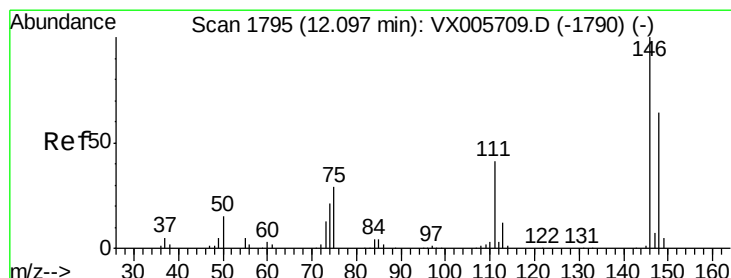
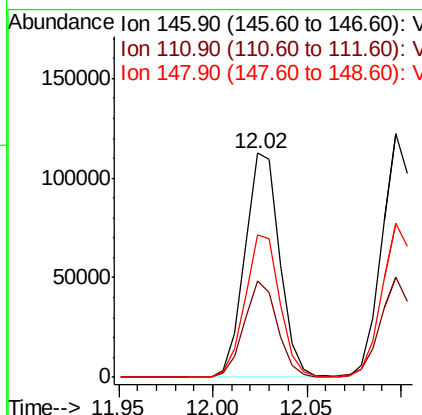
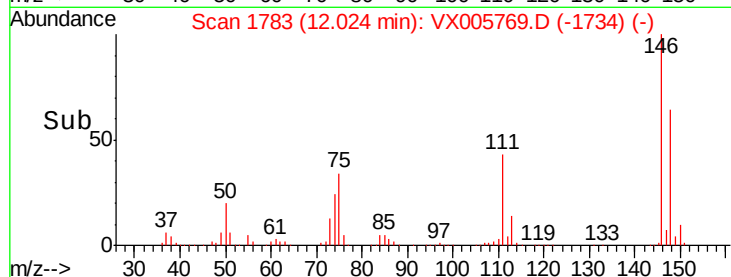
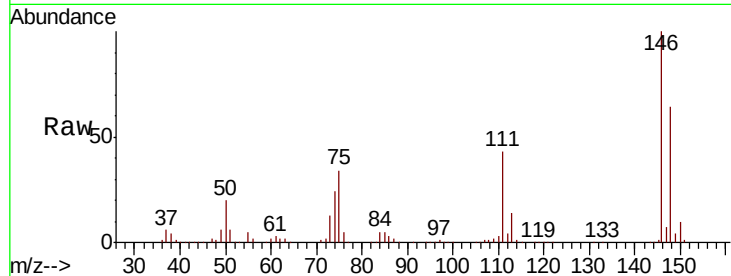
#87
 1,3-Dichlorobenzene
 Concen: 48.032 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX005769.D
 Acq: 02 Nov 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.0	57.0
148	63.6	31.9	95.9

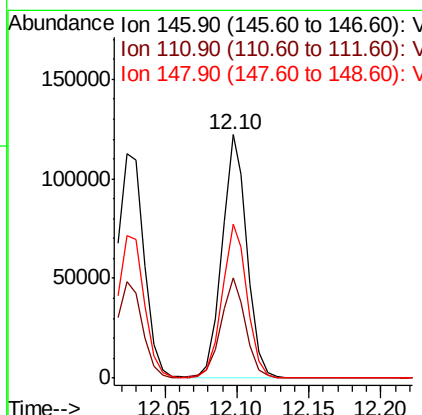
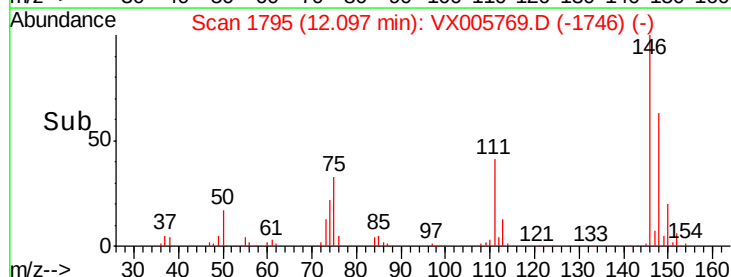
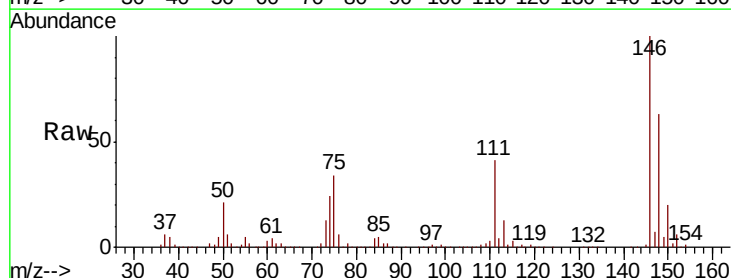
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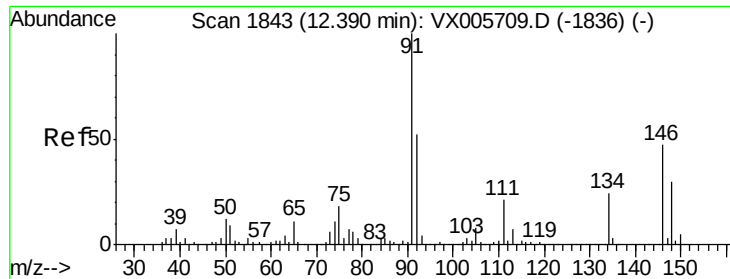
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#88
 1,4-Dichlorobenzene
 Concen: 45.784 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX005769.D
 Acq: 02 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	18.6	55.8
148	63.7	32.1	96.3





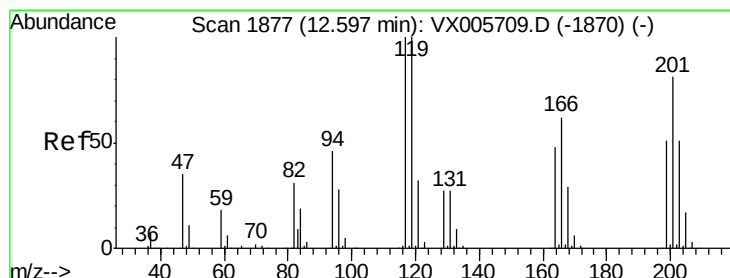
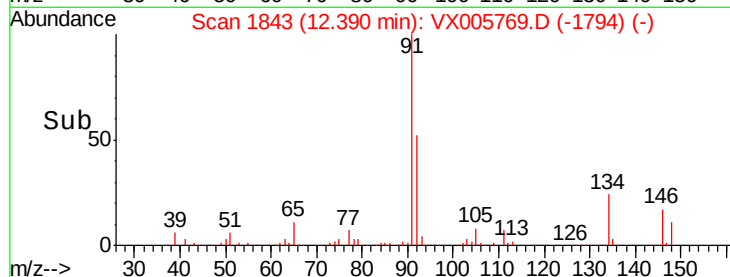
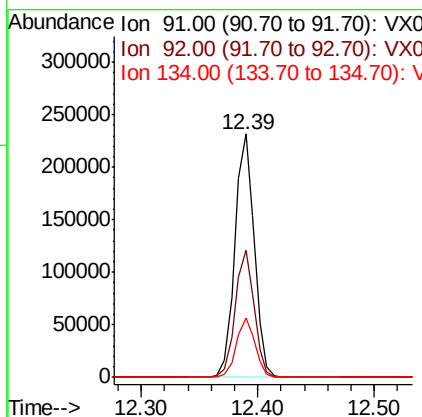
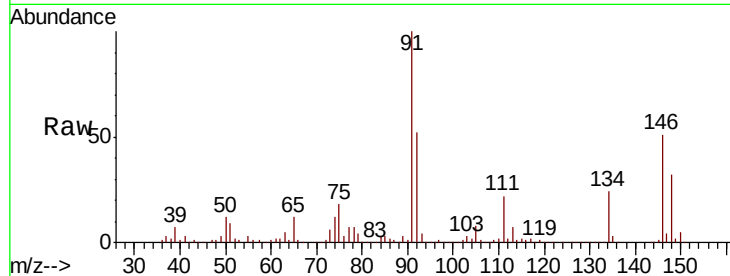
#89
n-Butylbenzene
Concen: 48.114 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.1	78.2
134	23.7	13.1	39.3

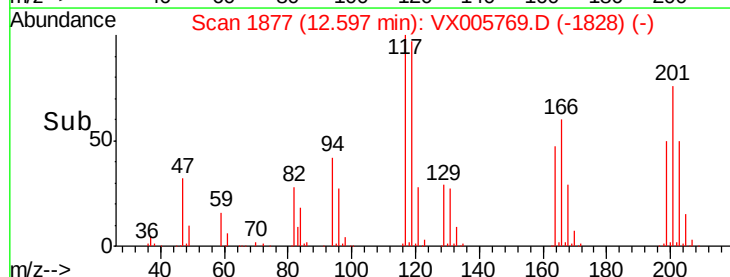
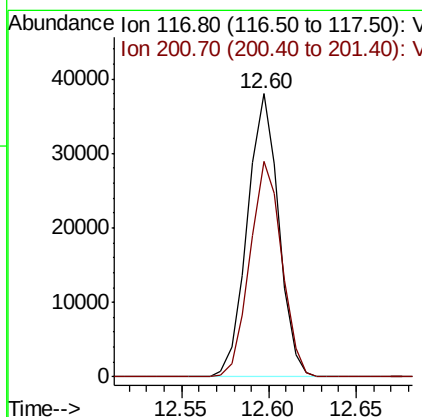
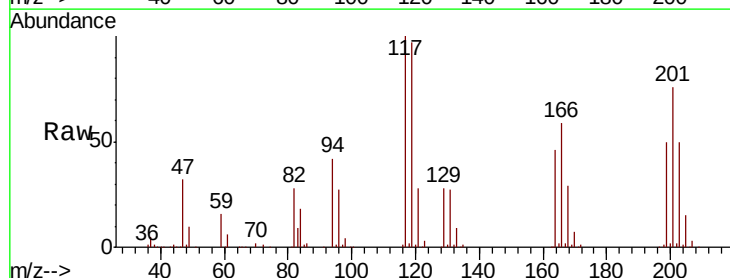
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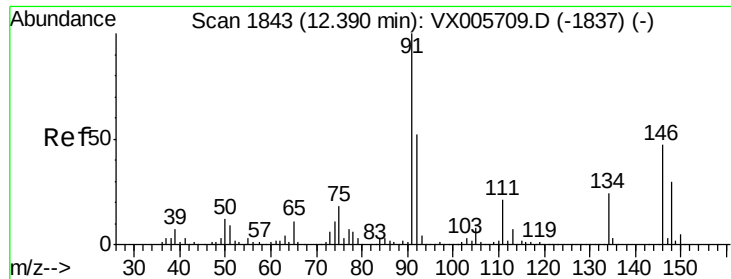
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#90
Hexachloroethane
Concen: 48.108 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.8	47.9	143.6





#91

1,2-Dichlorobenzene

Concen: 47.313 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Instrument :

MSVOA_X

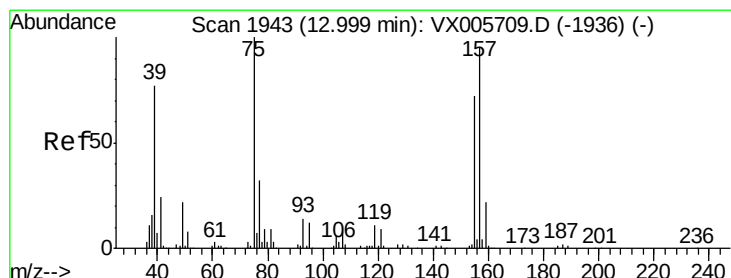
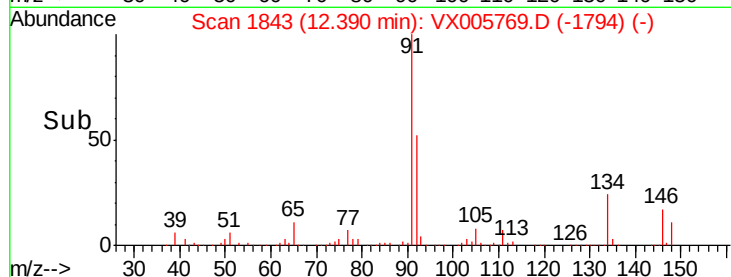
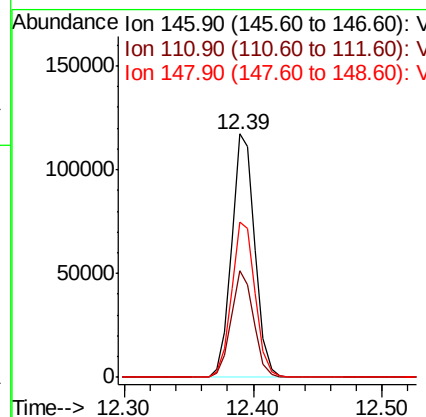
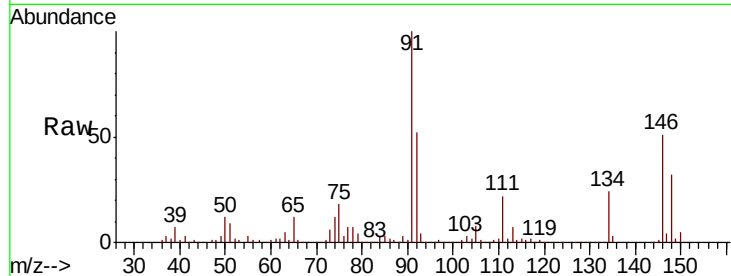
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	148553
Ion Ratio	Lower	Upper	
146	100		
111	42.6	20.0	59.9
148	64.4	32.2	96.6

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.852 ug/l

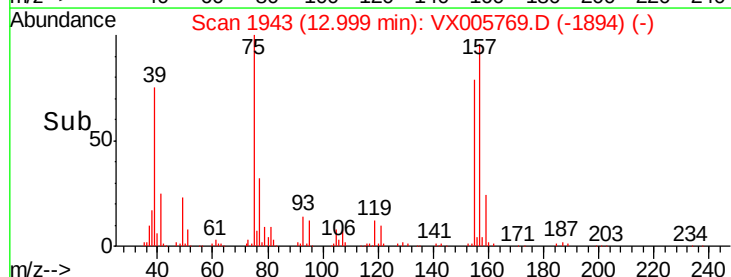
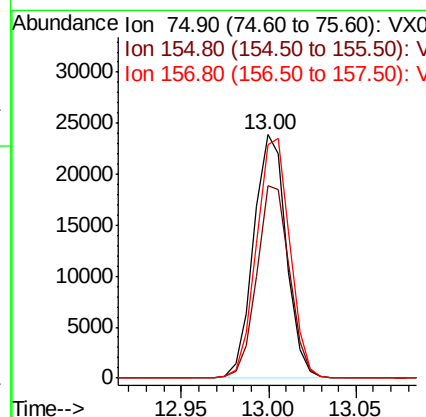
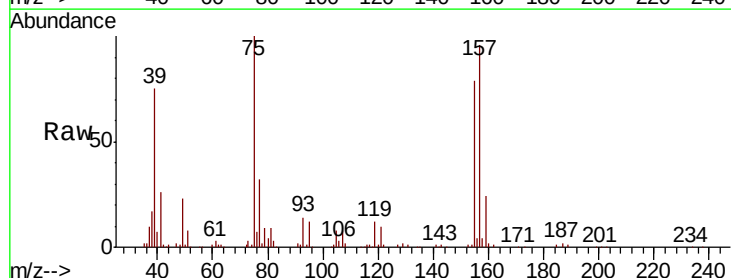
RT: 13.00 min Scan# 1943

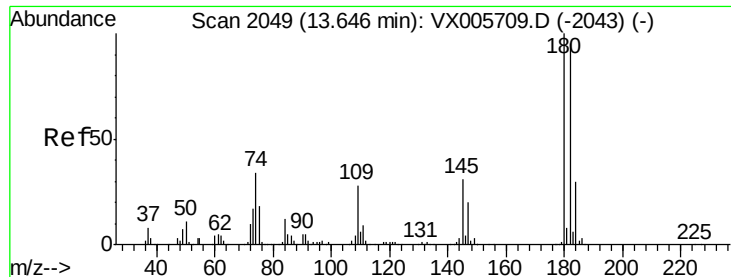
Delta R.T. -0.00 min

Lab File: VX005769.D

Acq: 02 Nov 2018 20:58

Tgt Ion:	75	Resp:	31005
Ion Ratio	Lower	Upper	
75	100		
155	79.0	45.4	136.1
157	100.3	57.4	172.0





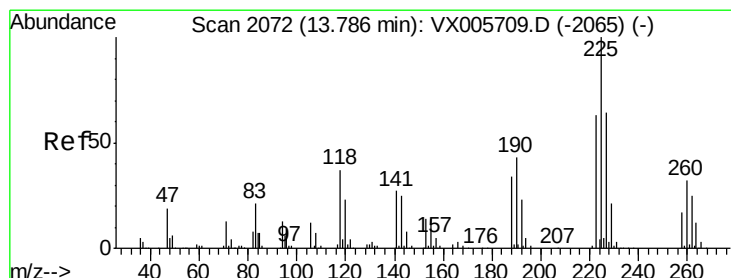
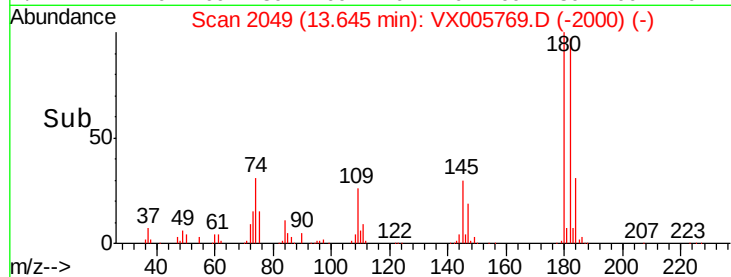
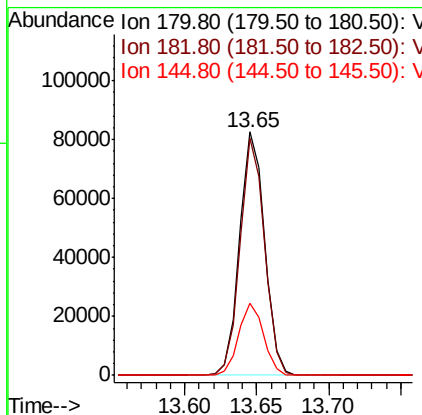
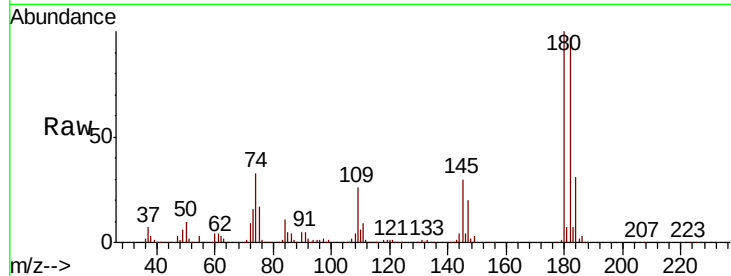
#93
 1,2,4-Trichlorobenzene
 Concen: 49.398 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005769.D
 Acq: 02 Nov 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	99478		
182	95.2	47.6	142.8	
145	29.7	14.1	42.2	

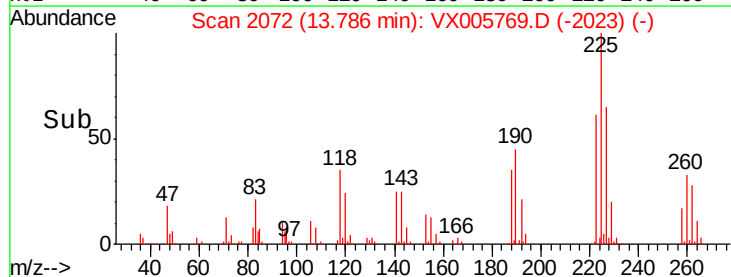
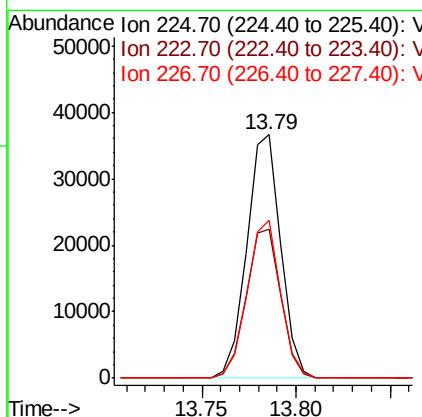
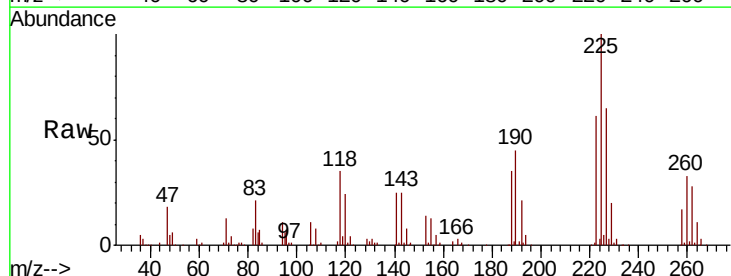
Manual Integrations
 APPROVED

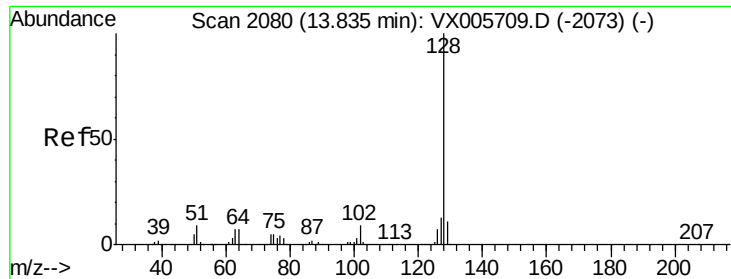
MMDadoda
 11/5/2018 3:09:45 PM



#94
 Hexachlorobutadiene
 Concen: 46.814 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VX005769.D
 Acq: 02 Nov 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45607		
223	62.5	31.7	95.1	
227	63.7	32.3	96.9	





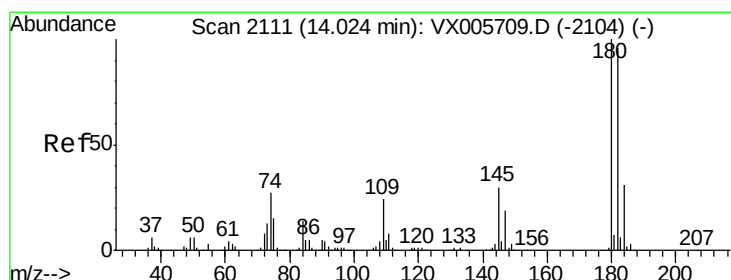
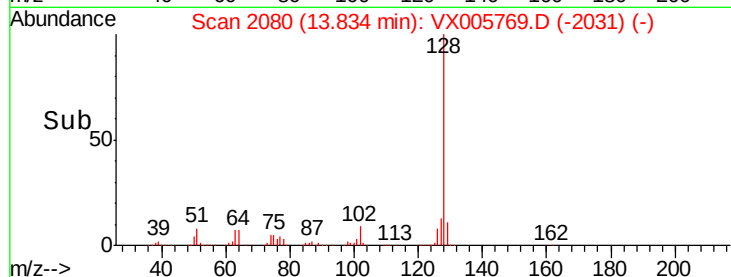
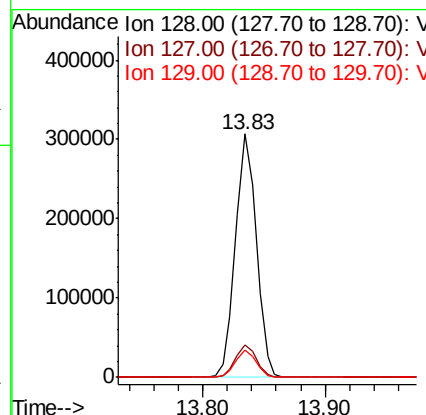
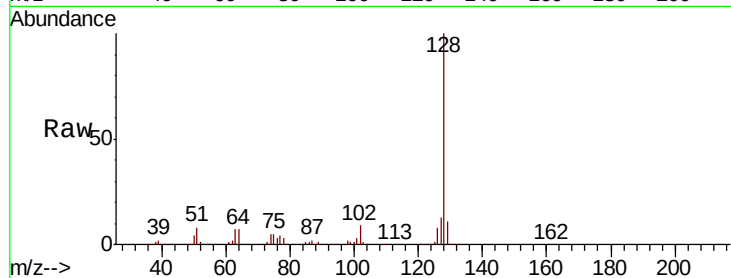
#95
Naphthalene
Concen: 54.699 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/5/2018 3:09:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.455 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. -0.00 min
Lab File: VX005769.D
Acq: 02 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.0	144.2
145	31.9	15.1	45.3

