

Data File : VL033838.D
Acq On : 29 May 2019 14:59
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010EC

Quant Time: May 30 01:12:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	804541	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2173217	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2682307	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1676315	7.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	77.10%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.07	85	1366466	8.059	ppbv	98
3) Chlorodifluoromethane	3.01	51	966878	10.492	ppbv	98
4) Chloromethane	3.17	50	592921	11.249	ppbv	100
5) Vinyl Chloride	3.29	62	580948	10.820	ppbv	99
6) Bromomethane	3.51	94	365676	11.162	ppbv	98
7) Chloroethane	3.60	64	210359	11.024	ppbv	96
8) Dichlorotetrafluoroethane	3.22	85	1447640	10.590	ppbv	97
9) Propene	3.03	41	460688	11.753	ppbv	99
10) Heptane	8.24	43	1155509	10.410	ppbv	100
11) Trichlorofluoromethane	4.00	101	1593448	9.847	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1084745	9.599	ppbv	97
13) Ethanol	3.65	45	96536	7.620	ppbv	99
14) Bromoethene	3.78	108	482073	11.604	ppbv	99
15) Acetone	3.90	43	1020624	9.143	ppbv	100
16) 1,3-Butadiene	3.36	39	509131	11.454	ppbv	100
17) tert-Butyl alcohol	4.35	59	1014197	11.236	ppbv	100
18) 1,1-Dichloroethene	4.35	96	495579	10.390	ppbv	97
19) Isopropyl Alcohol	4.02	45	765930	10.642	ppbv	100
20) Methylene Chloride	4.41	84	414143	9.636	ppbv	97
21) Allyl Chloride	4.47	41	717009	10.298	ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	509694	10.425	ppbv	97
23) Vinyl Acetate	5.15	43	1657530	11.262	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1163377	10.398	ppbv	99
25) Ethyl Acetate	5.77	43	1983371	10.115	ppbv	100
26) Hexane	5.78	57	891344	10.574	ppbv	98
27) Carbon Disulfide	4.62	76	1196805	10.348	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1574407	11.456	ppbv	100
29) Chloroform	5.85	83	1523086	9.809	ppbv	99
30) Cyclohexane	7.24	84	823480	11.619	ppbv	97
31) cis-1,2-Dichloroethene	5.64	61	901968	10.791	ppbv	95
32) 1,1,1-Trichloroethane	6.62	97	1611705	10.395	ppbv	99
34) 2-Butanone	5.33	43	1315846	9.768	ppbv	98
35) Carbon Tetrachloride	7.13	117	1673634	9.614	ppbv	99
36) Benzene	7.00	78	2043216	10.336	ppbv	98
37) 1,2-Dichloroethane	6.41	62	1125354	8.825	ppbv	98
38) Trichloroethene	7.96	130	769259	10.487	ppbv	99
39) 1,2-Dichloropropane	7.73	63	717280	9.732	ppbv	95
40) 1,4-Dioxane	7.95	88	300516	9.747	ppbv #	93
41) Tetrahydrofuran	6.14	42	774704	10.264	ppbv	98
42) Bromodichloromethane	7.91	83	1652586	9.466	ppbv	97
43) Methyl Methacrylate	8.13	69	751012	10.323	ppbv	98

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ClientSampleId :
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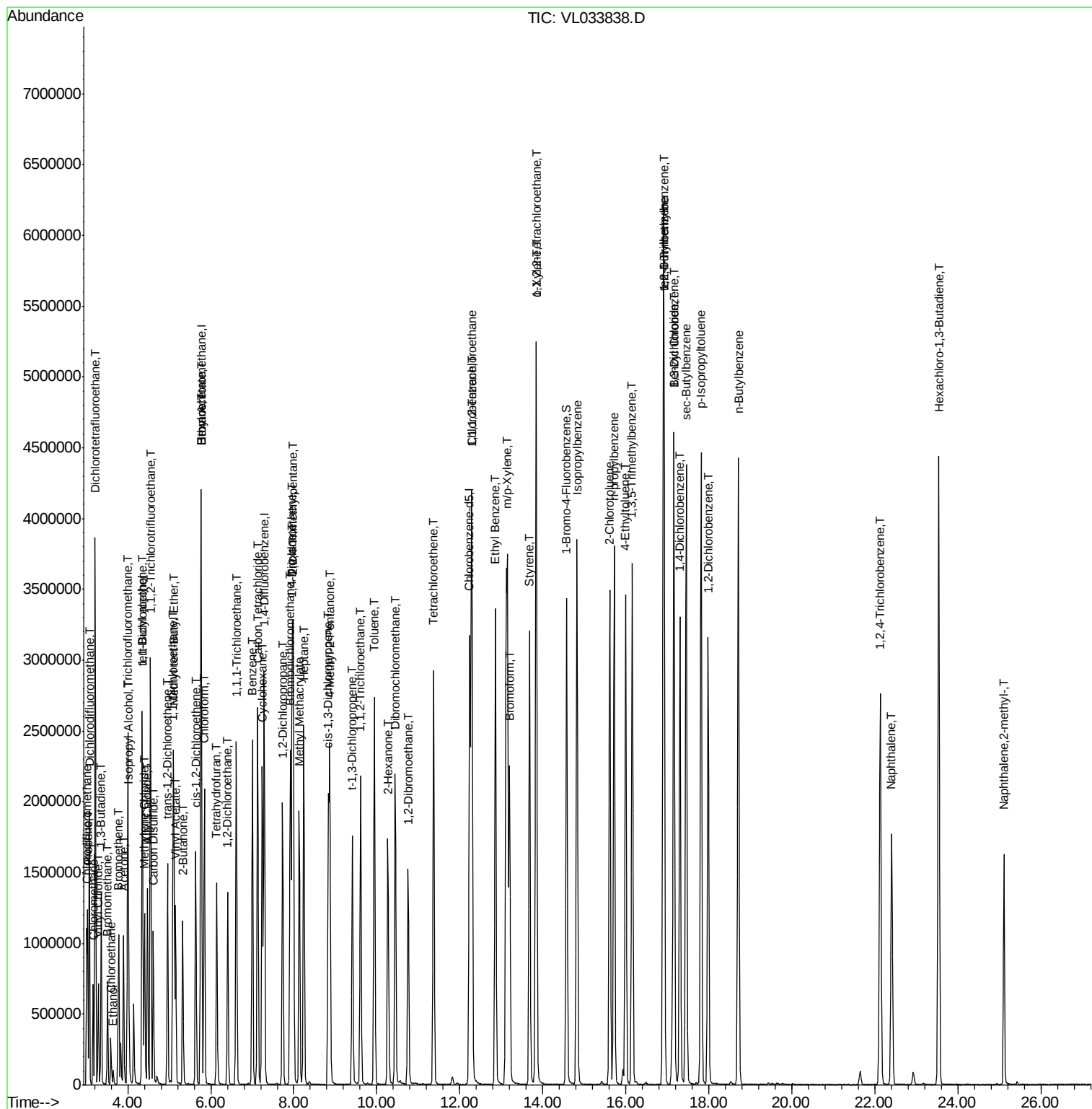
Quant Time: May 30 01:12:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
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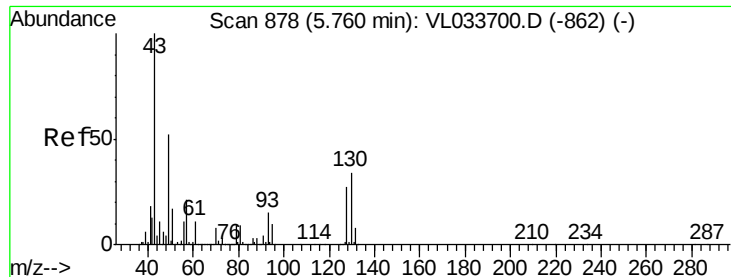
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.98	57	3099303	9.276	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1059910	11.492	ppbv	98
46) cis-1,3-Dichloropropene	8.83	75	1133592	10.497	ppbv	95
47) 1,1,2-Trichloroethane	9.61	97	806685	9.634	ppbv	98
48) Dibromochloromethane	10.44	129	1395031	9.616	ppbv	99
49) Bromoform	13.20	173	1324443	10.850	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1958235	9.451	ppbv	99
51) 2-Hexanone	10.26	43	1645325	10.175	ppbv #	99
52) Tetrachloroethene	11.37	164	755000	10.865	ppbv	95
53) Toluene	9.94	91	2244445	10.526	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1262112	9.877	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.27	131	974745	7.853	ppbv	97
57) Chlorobenzene	12.30	112	1735829	7.862	ppbv	97
58) Ethyl Benzene	12.86	91	3190282	8.982	ppbv	98
59) m/p-Xylene	13.15	91	2570972	8.280	ppbv #	23
60) o-Xylene	13.84	91	2592282	8.282	ppbv	98
61) Styrene	13.68	104	2009487	9.535	ppbv	98
62) Isopropylbenzene	14.82	105	3549095	8.420	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.83	83	1818178	7.988	ppbv	100
64) n-propylbenzene	15.72	120	921189	8.448	ppbv	100
65) tert-Butylbenzene	16.91	119	3111617	8.085	ppbv	99
66) Benzyl Chloride	17.15	91	1569184	8.561	ppbv	99
67) sec-Butylbenzene	17.45	105	4507385	8.368	ppbv	100
69) p-Isopropyltoluene	17.81	119	3768689	8.465	ppbv	99
70) n-Butylbenzene	18.71	91	3837582	8.038	ppbv	100
71) 2-Chlorotoluene	15.61	91	2795363	8.938	ppbv	99
72) 4-Ethyltoluene	15.99	105	3137054	8.766	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	2962235	8.483	ppbv	99
74) 1,2,4-Trimethylbenzene	16.92	105	2973916	7.826	ppbv	96
75) 1,3-Dichlorobenzene	17.16	146	1791067	7.691	ppbv	98
76) 1,4-Dichlorobenzene	17.30	146	1791130	8.093	ppbv	100
77) 1,2-Dichlorobenzene	17.98	146	1738737	7.946	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1190791	7.198	ppbv	99
79) Naphthalene	22.40	128	2361764	6.691	ppbv	99
80) Naphthalene,2-methyl-	25.11	142	919003	6.852	ppbv	99
81) 1,2,4-Trichlorobenzene	22.13	180	1379209	6.673	ppbv	100

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.00 min

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VSTDCCC010EC

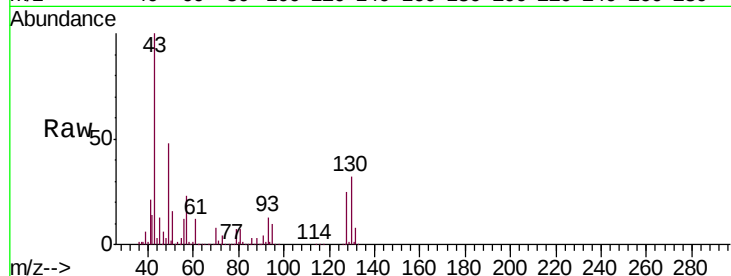
Tgt Ion: 49 Resp: 804541

Ion Ratio Lower Upper

49 100

128 51.4 25.2 75.6

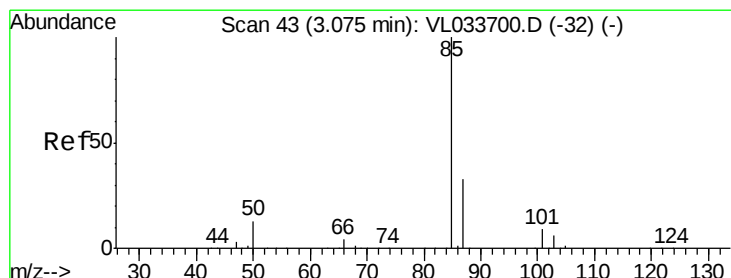
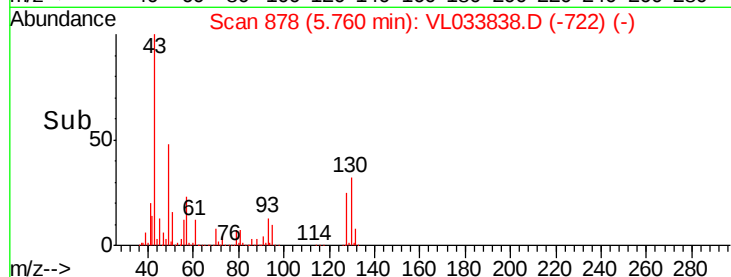
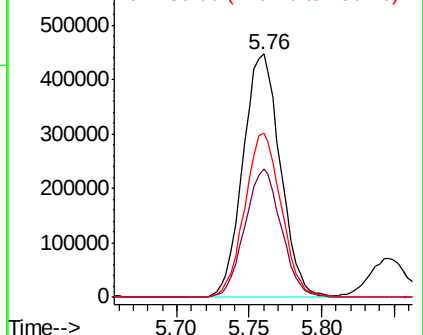
130 66.2 32.5 97.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.059 ppbv

RT: 3.07 min Scan# 42

Delta R.T. -0.00 min

Lab File: VL033838.D

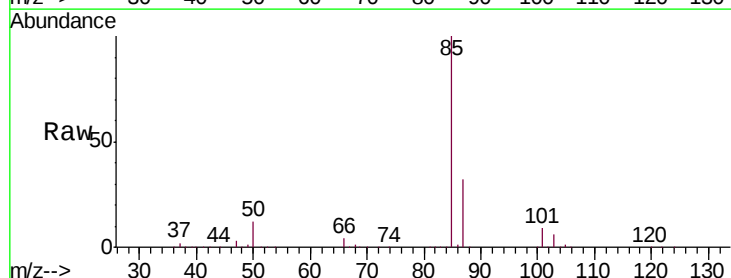
Acq: 29 May 2019 14:59

Tgt Ion: 85 Resp: 1366466

Ion Ratio Lower Upper

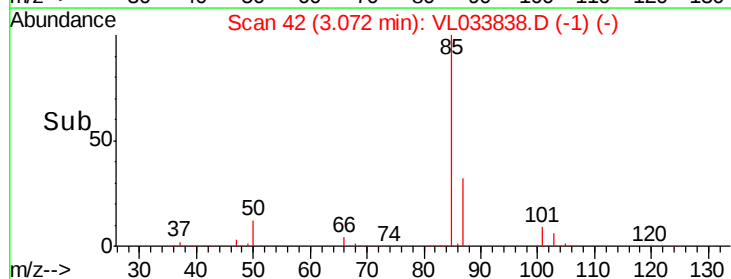
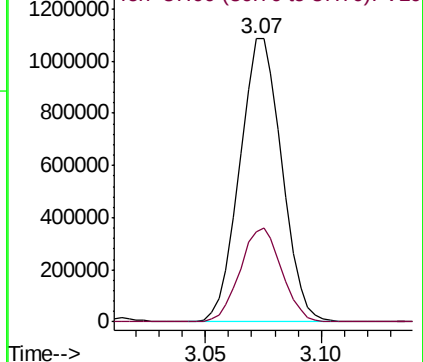
85 100

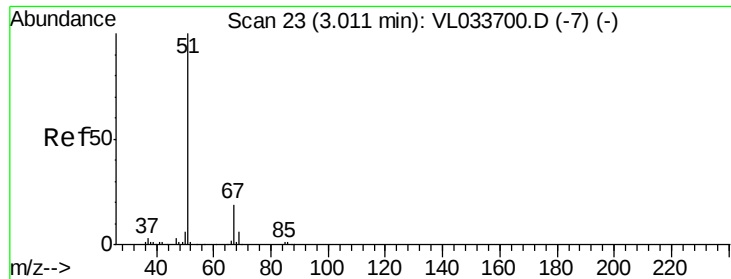
87 31.7 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.492 ppbv

RT: 3.01 min Scan# 23

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

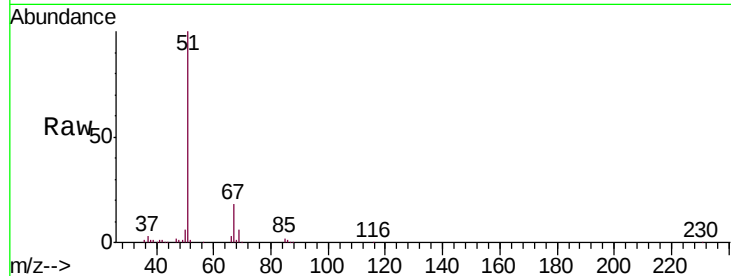
VSTDCCC010EC

Tgt Ion: 51 Resp: 966878

Ion Ratio Lower Upper

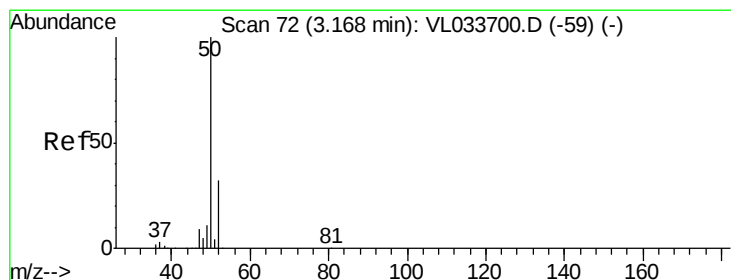
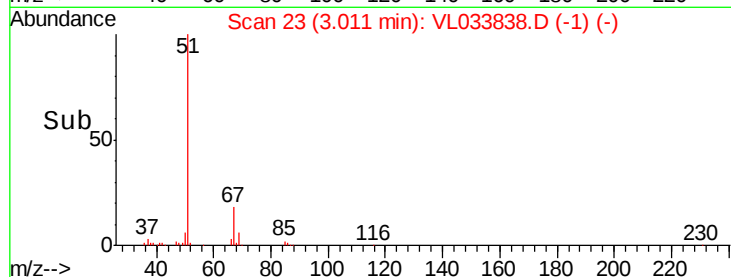
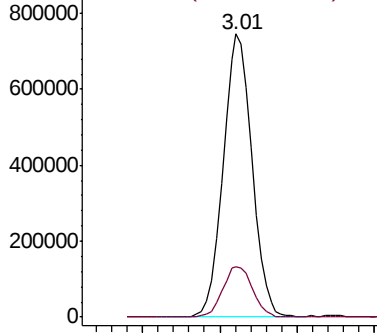
51 100

67 18.7 15.6 23.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 11.249 ppbv

RT: 3.17 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL033838.D

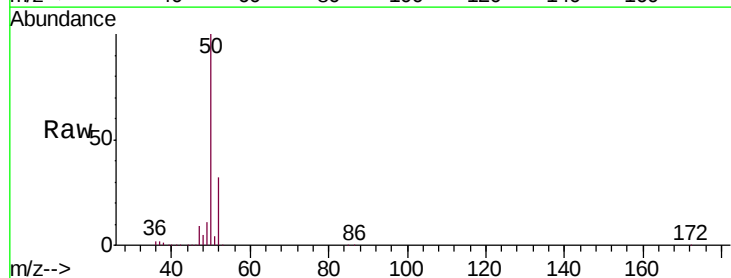
Acq: 29 May 2019 14:59

Tgt Ion: 50 Resp: 592921

Ion Ratio Lower Upper

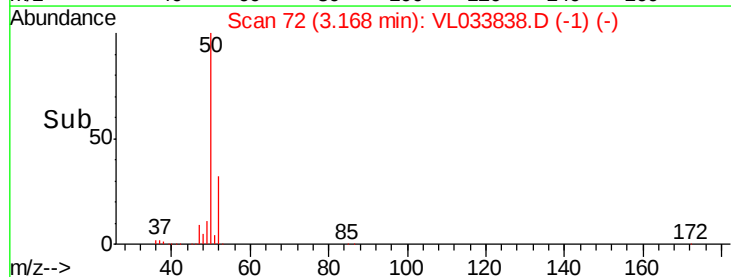
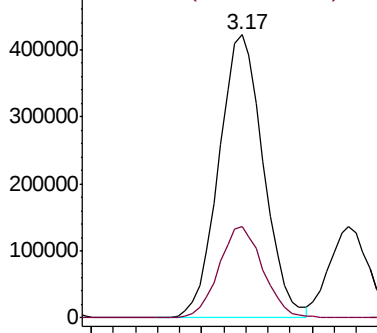
50 100

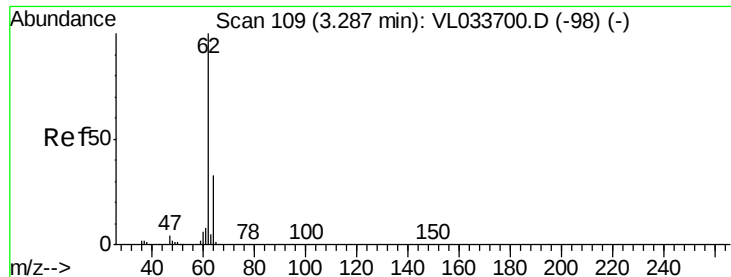
52 32.3 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.820 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

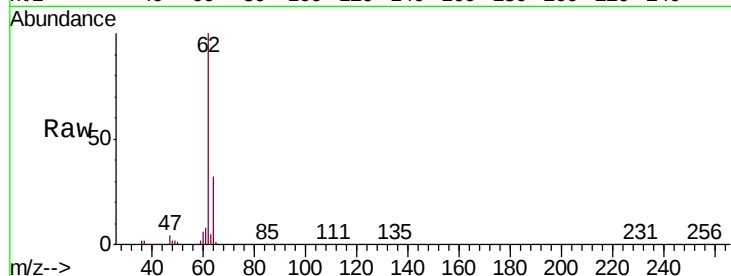
VSTDCCC010EC

Tgt Ion: 62 Resp: 580948

Ion Ratio Lower Upper

62 100

64 32.3 26.4 39.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.29

400000

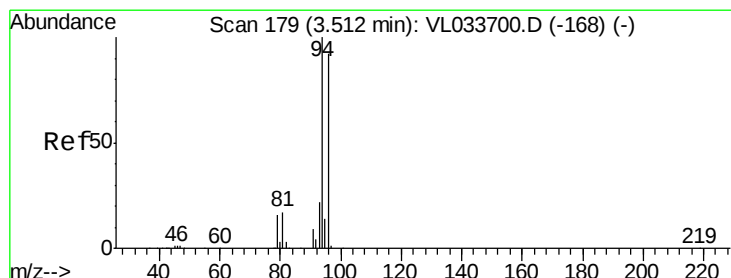
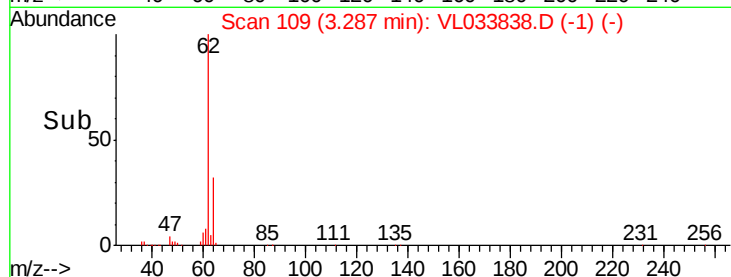
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 11.162 ppbv

RT: 3.51 min Scan# 179

Delta R.T. 0.00 min

Lab File: VL033838.D

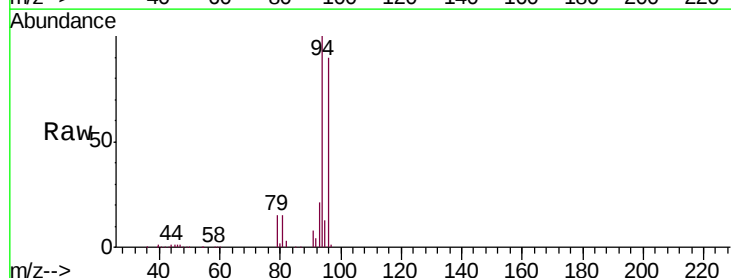
Acq: 29 May 2019 14:59

Tgt Ion: 94 Resp: 365676

Ion Ratio Lower Upper

94 100

96 90.3 73.6 110.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.51

300000

250000

200000

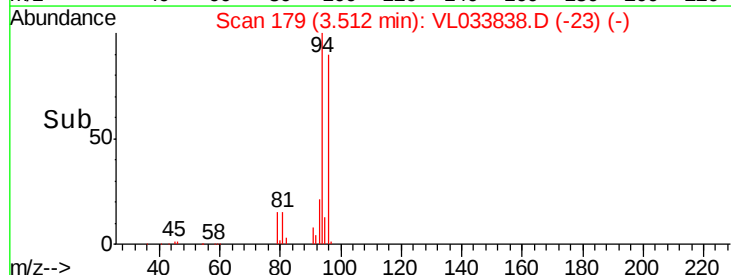
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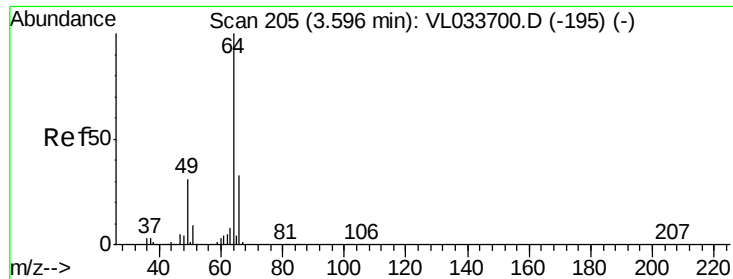
100000

50000

0

Time-->





#7

Chloroethane

Concen: 11.024 ppbv

RT: 3.60 min Scan# 205

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

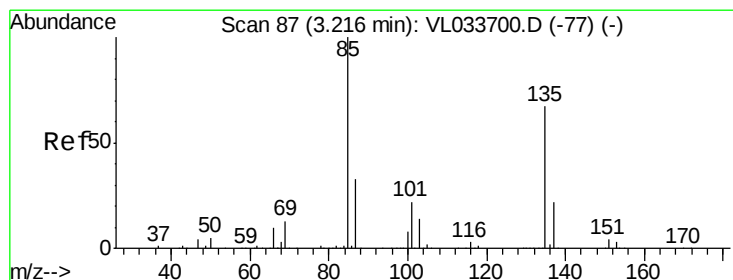
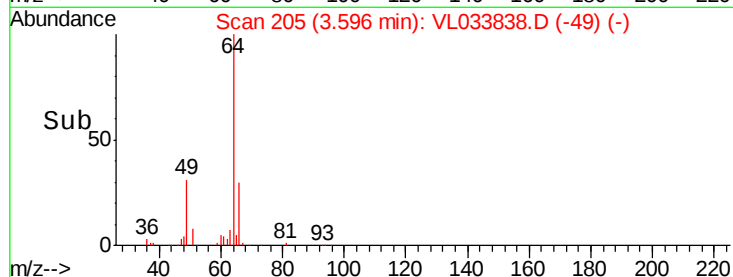
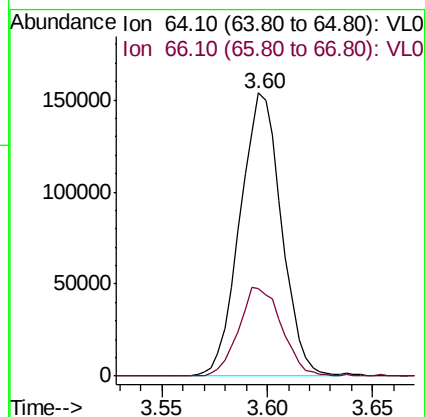
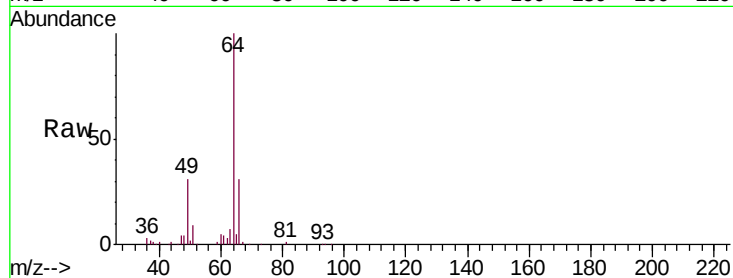
VSTDCCC010EC

Tgt Ion: 64 Resp: 210359

Ion Ratio Lower Upper

64 100

66 30.9 26.6 40.0



#8

Dichlorotetrafluoroethane

Concen: 10.590 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.00 min

Lab File: VL033838.D

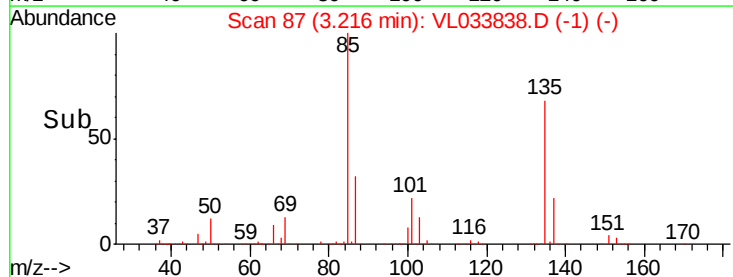
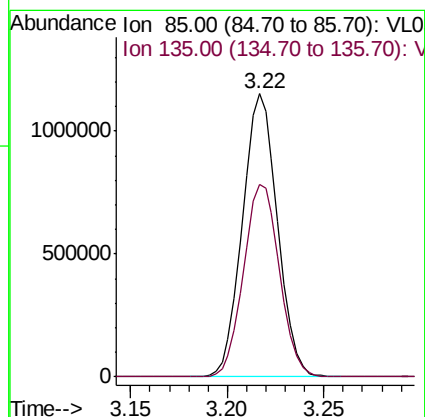
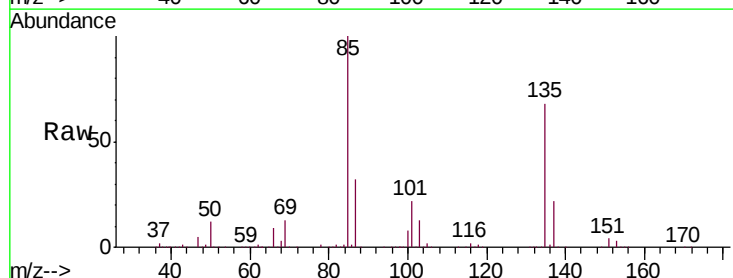
Acq: 29 May 2019 14:59

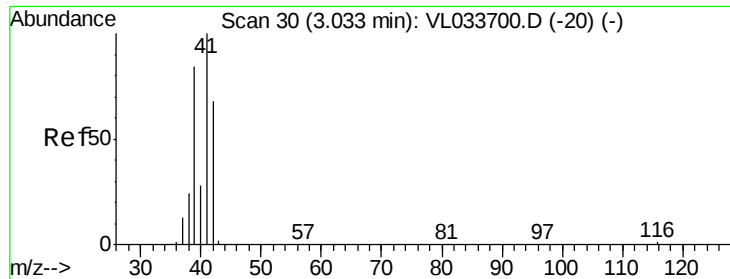
Tgt Ion: 85 Resp: 1447640

Ion Ratio Lower Upper

85 100

135 70.2 54.5 81.7





#9

Propene

Concen: 11.753 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

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ClientSampleId :

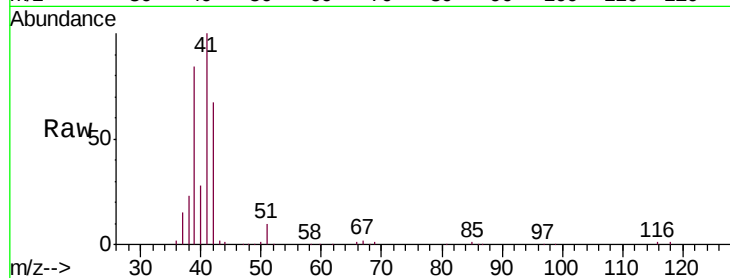
VSTDCCC010EC

Tgt Ion: 41 Resp: 460688

Ion Ratio Lower Upper

41 100

42 68.9 56.1 84.1



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.03

400000

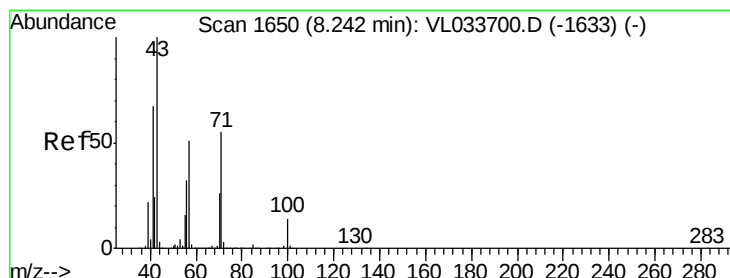
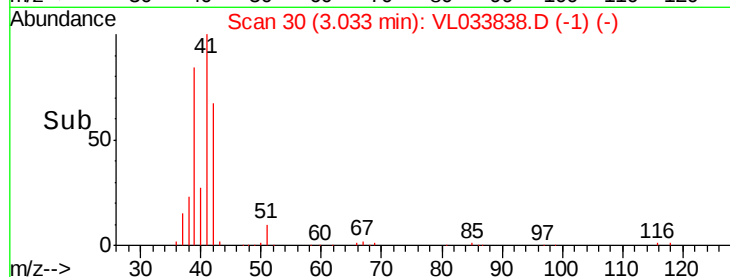
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 10.410 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VL033838.D

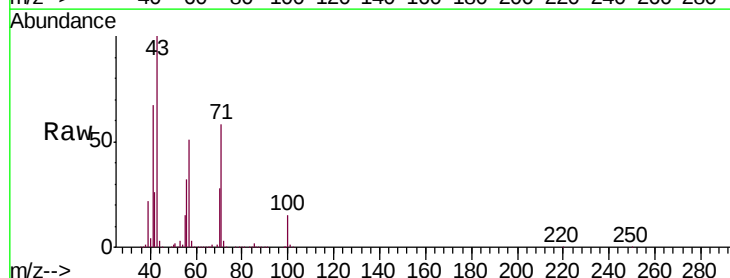
Acq: 29 May 2019 14:59

Tgt Ion: 43 Resp: 1155509

Ion Ratio Lower Upper

43 100

57 51.8 41.4 62.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.24

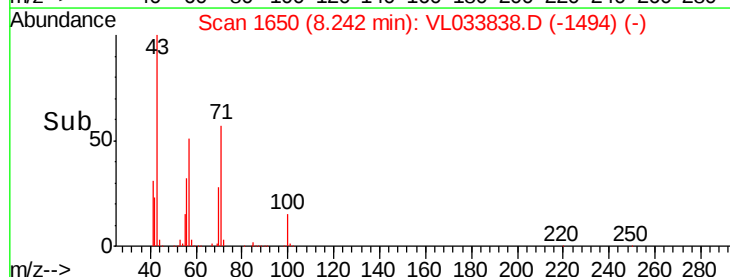
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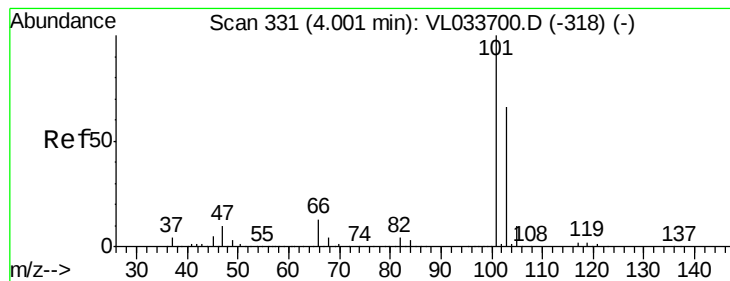
400000

200000

0

Time-->





#11

Trichlorofluoromethane

Concen: 9.847 ppbv

RT: 4.00 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

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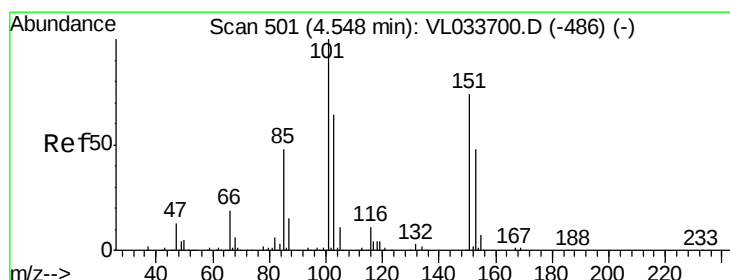
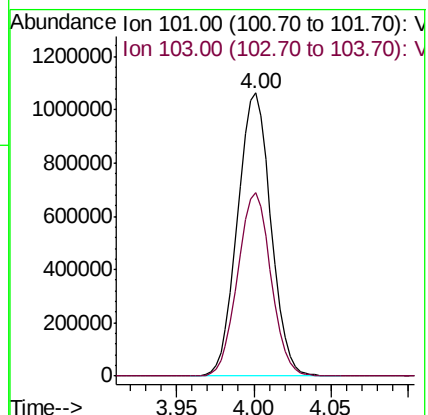
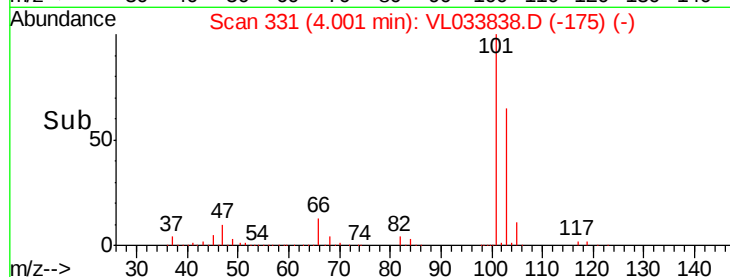
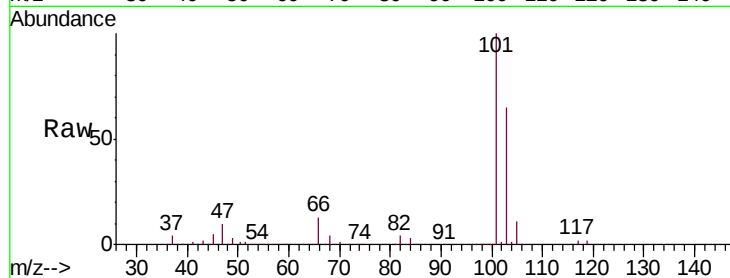
VSTDCCC010EC

Tgt Ion:101 Resp: 1593448

Ion Ratio Lower Upper

101 100

103 64.8 52.6 78.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.599 ppbv

RT: 4.55 min Scan# 502

Delta R.T. 0.00 min

Lab File: VL033838.D

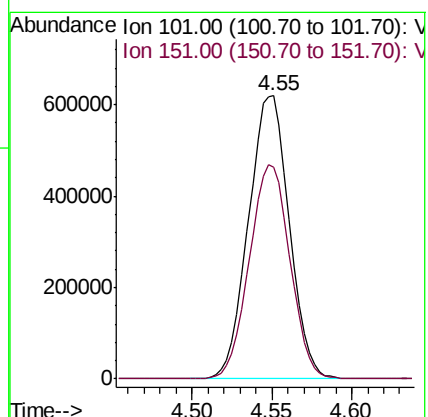
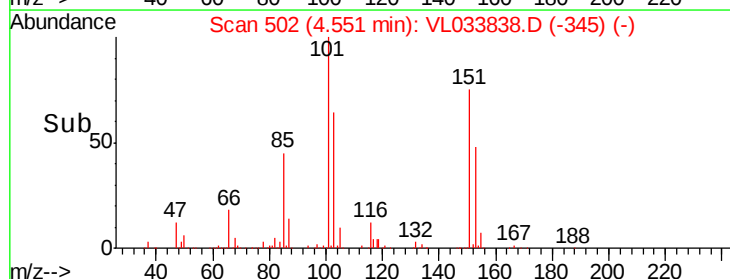
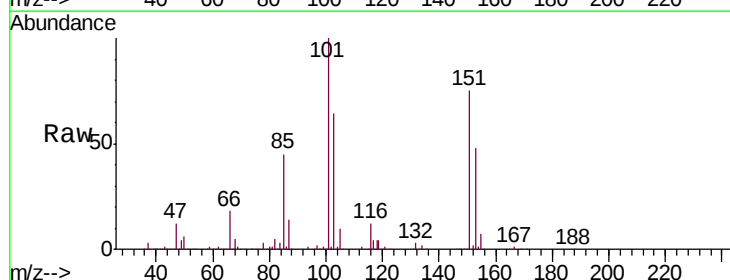
Acq: 29 May 2019 14:59

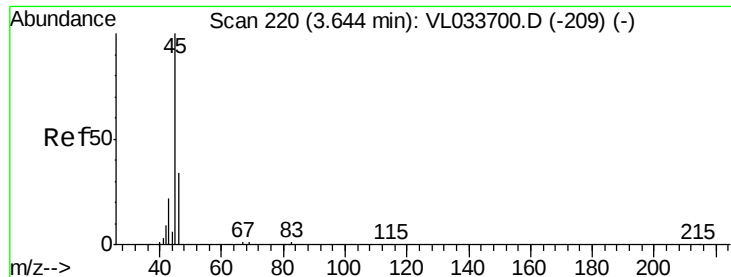
Tgt Ion:101 Resp: 1084745

Ion Ratio Lower Upper

101 100

151 75.6 58.2 87.4





#13

Ethanol

Concen: 7.620 ppbv

RT: 3.65 min Scan# 221

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

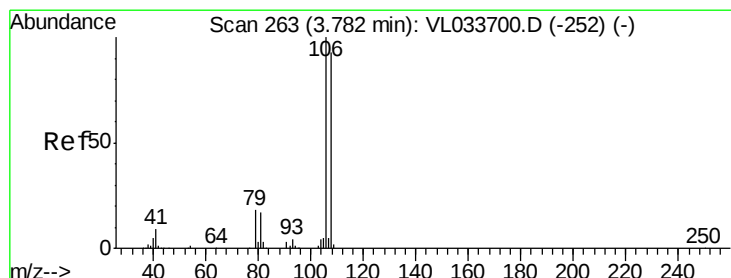
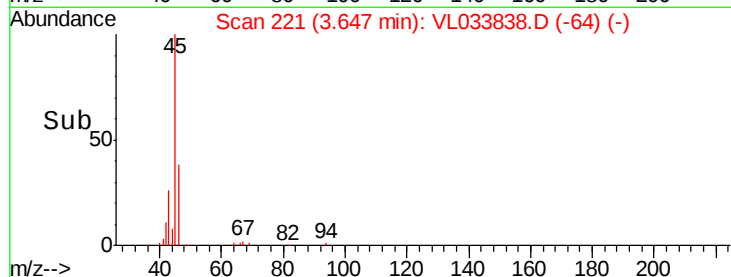
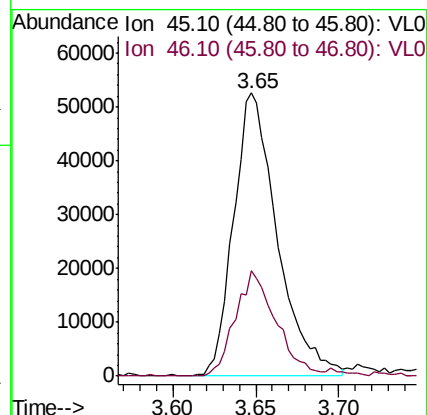
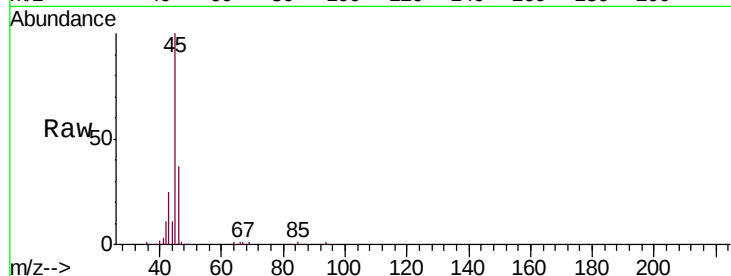
VSTDCCC010EC

Tgt Ion: 45 Resp: 96536

Ion Ratio Lower Upper

45 100

46 36.3 14.8 59.0



#14

Bromoethene

Concen: 11.604 ppbv

RT: 3.78 min Scan# 263

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

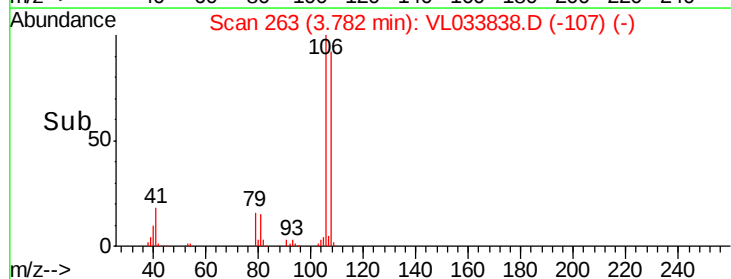
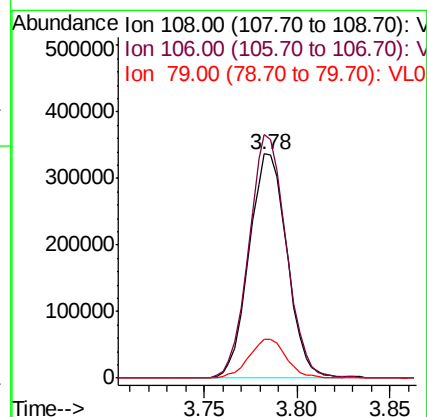
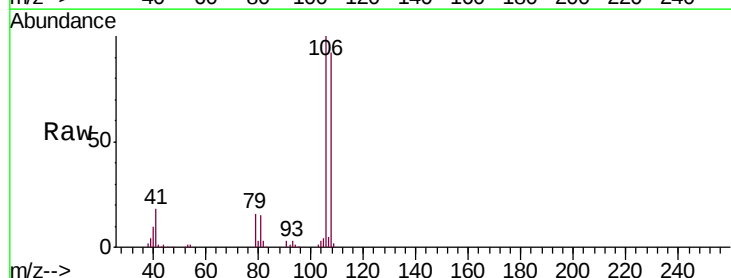
Tgt Ion: 108 Resp: 482073

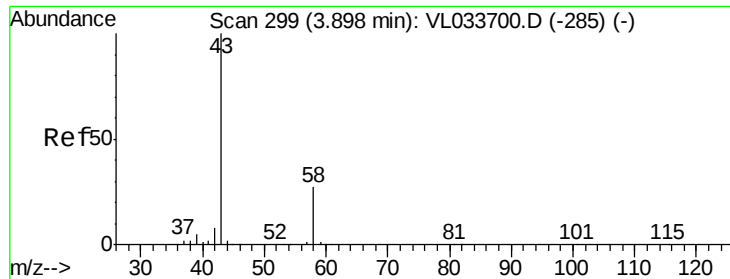
Ion Ratio Lower Upper

108 100

106 107.4 86.5 129.7

79 17.2 15.1 22.7





#15

Acetone

Concen: 9.143 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

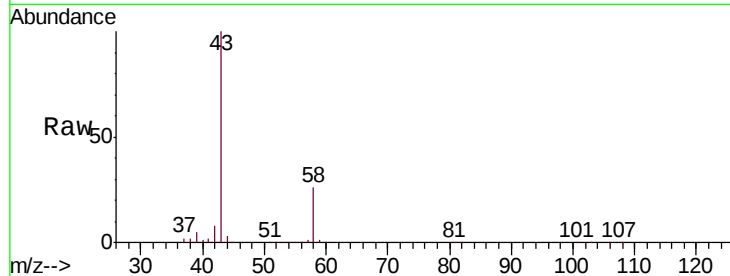
VSTDCCC010EC

Tgt Ion: 43 Resp: 1020624

Ion Ratio Lower Upper

43 100

58 26.8 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.90

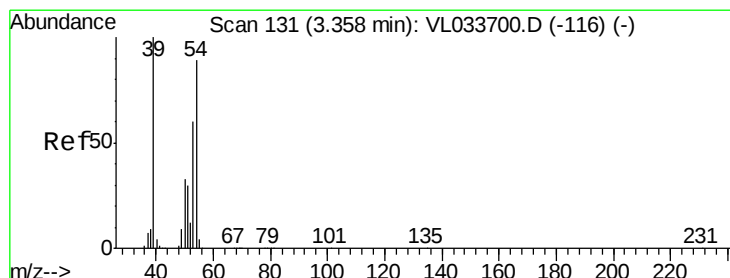
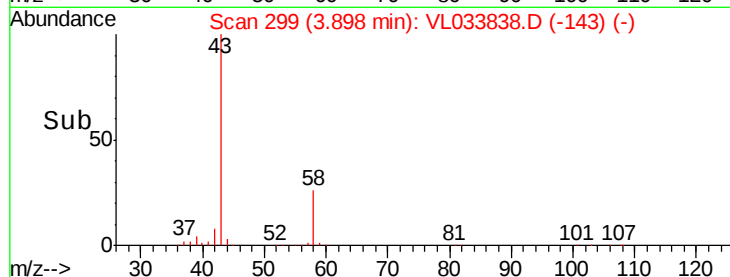
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 11.454 ppbv

RT: 3.36 min Scan# 132

Delta R.T. 0.00 min

Lab File: VL033838.D

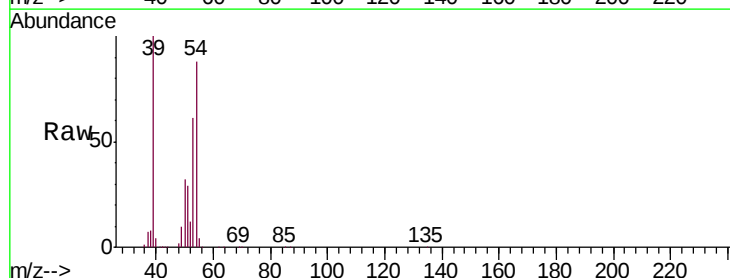
Acq: 29 May 2019 14:59

Tgt Ion: 39 Resp: 509131

Ion Ratio Lower Upper

39 100

54 86.5 69.0 103.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.36

400000

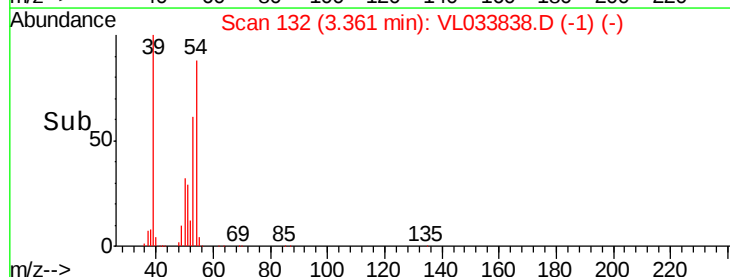
300000

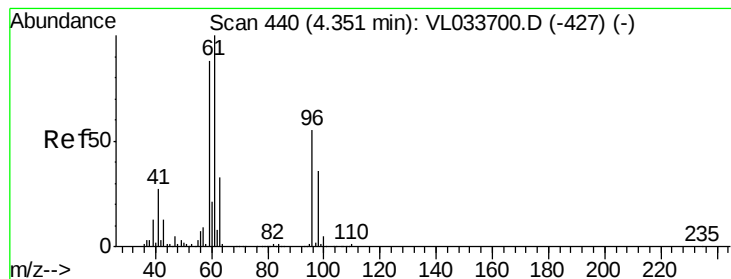
200000

100000

0

Time-->





#17

tert-Butyl alcohol

Concen: 11.236 ppbv

RT: 4.35 min Scan# 440

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

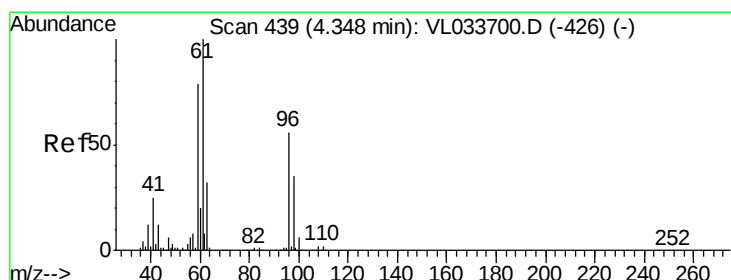
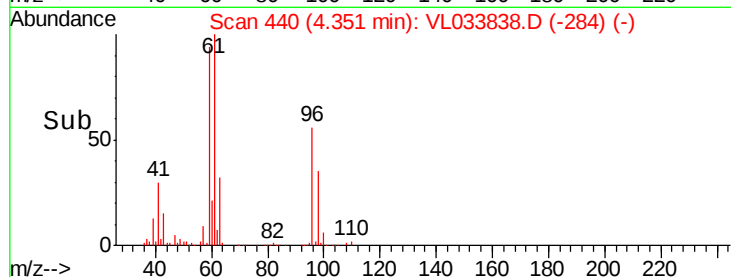
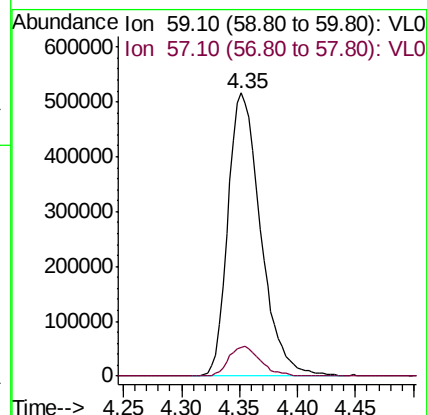
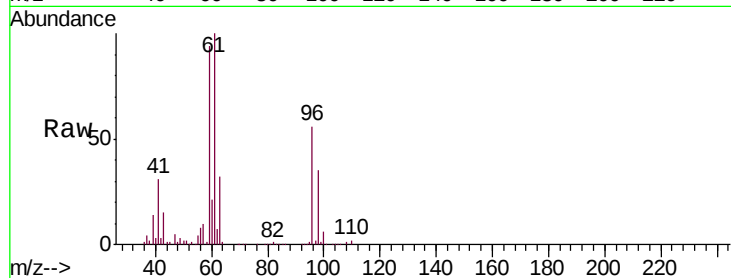
VSTDCCC010EC

Tgt Ion: 59 Resp: 1014197

Ion Ratio Lower Upper

59 100

57 10.4 8.4 12.6



#18

1,1-Dichloroethene

Concen: 10.390 ppbv

RT: 4.35 min Scan# 439

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

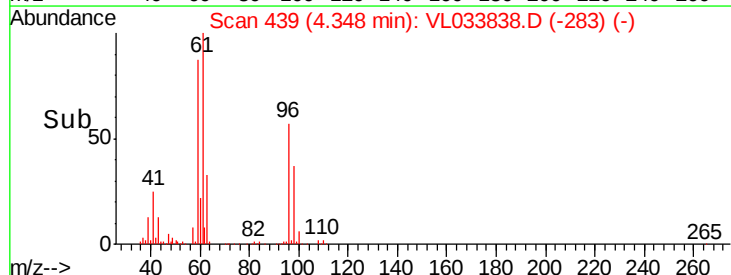
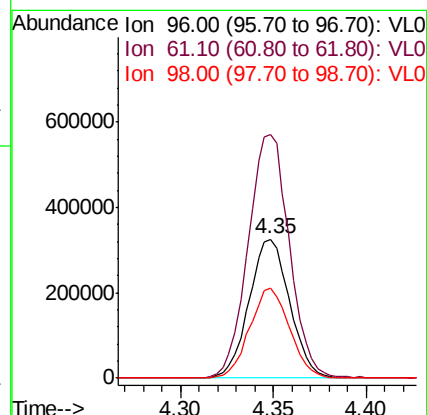
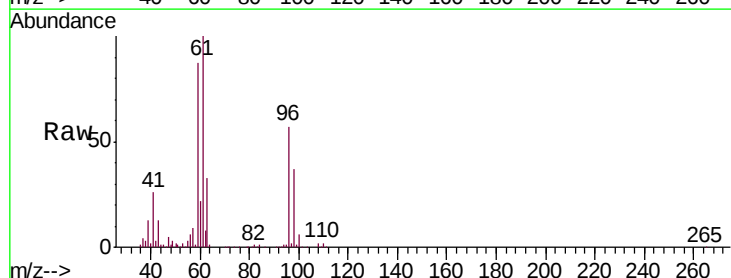
Tgt Ion: 96 Resp: 495579

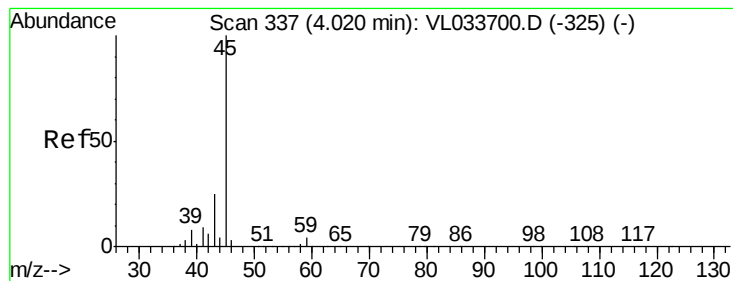
Ion Ratio Lower Upper

96 100

61 175.2 143.1 214.7

98 64.8 49.5 74.3





#19

Isopropyl Alcohol

Concen: 10.642 ppbv

RT: 4.02 min Scan# 337

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

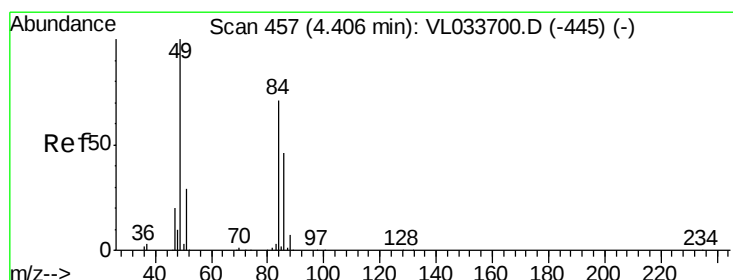
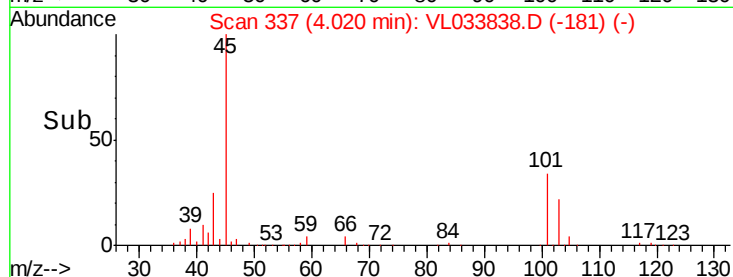
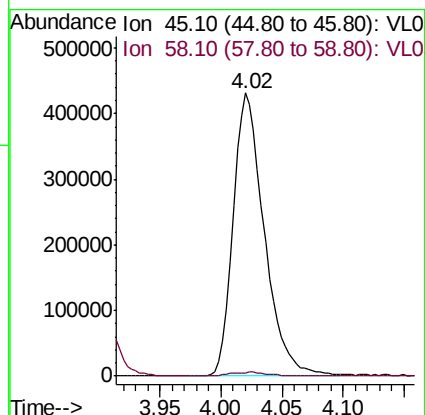
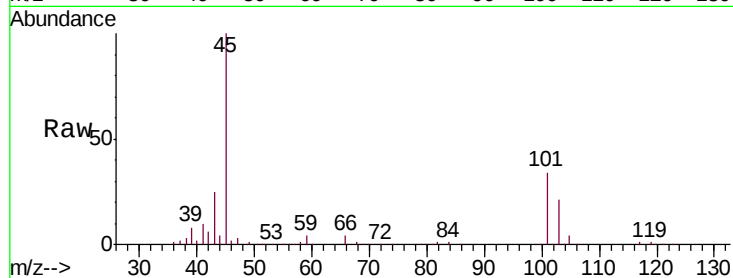
VSTDCCC010EC

Tgt Ion: 45 Resp: 765930

Ion Ratio Lower Upper

45 100

58 2.0 1.6 2.4



#20

Methylene Chloride

Concen: 9.636 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Tgt Ion: 84 Resp: 414143

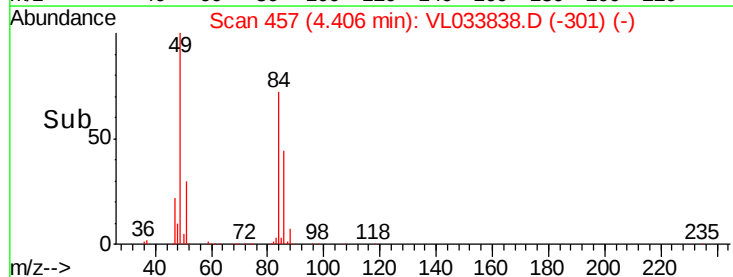
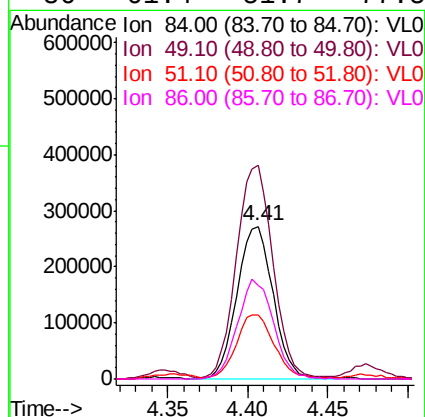
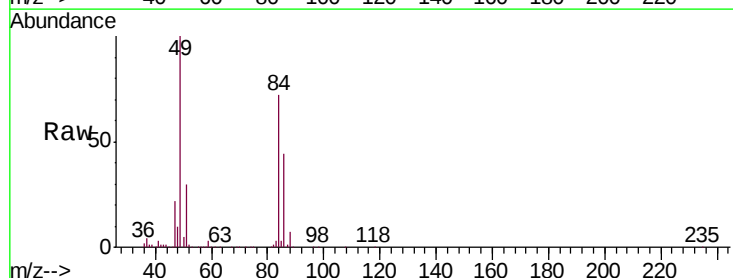
Ion Ratio Lower Upper

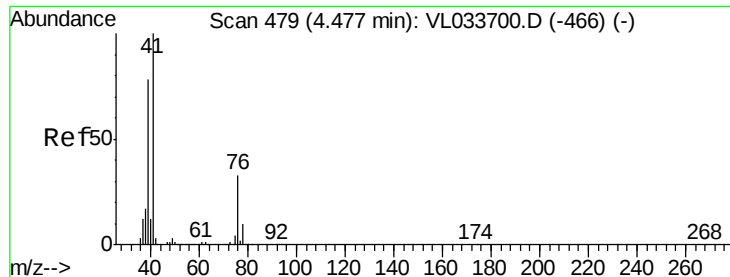
84 100

49 138.3 112.8 169.2

51 41.0 33.4 50.0

86 61.4 51.7 77.5

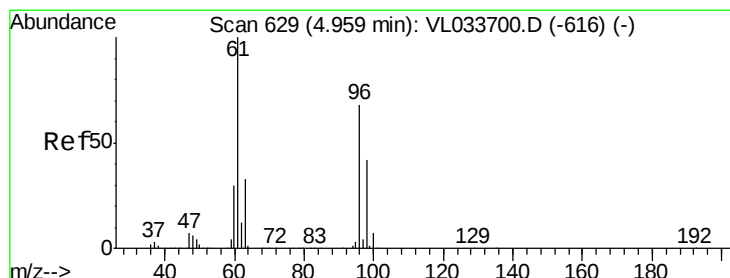
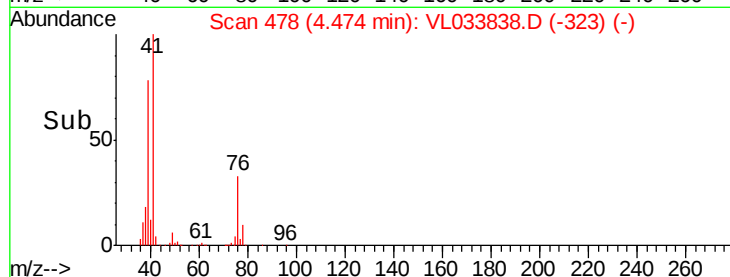
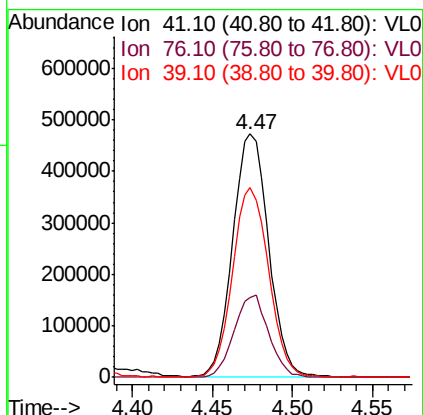
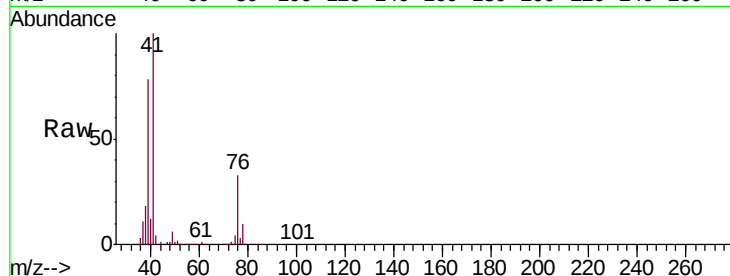




#21
 Allyl Chloride
 Concen: 10.298 ppbv
 RT: 4.47 min Scan# 478
 Delta R.T. -0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

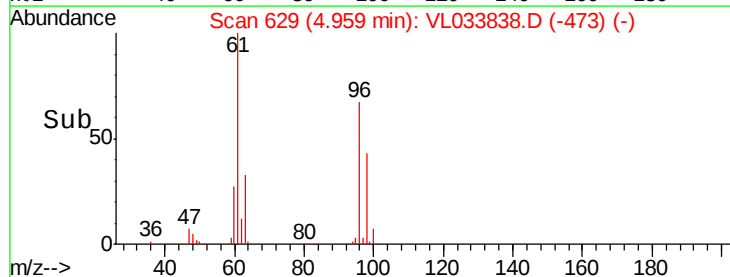
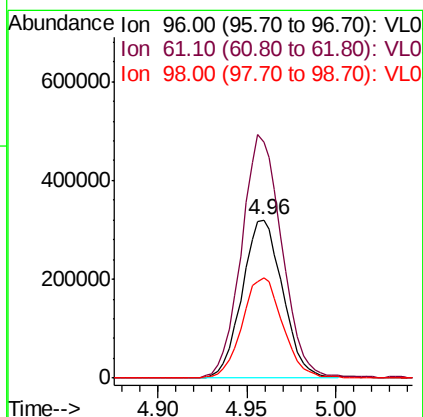
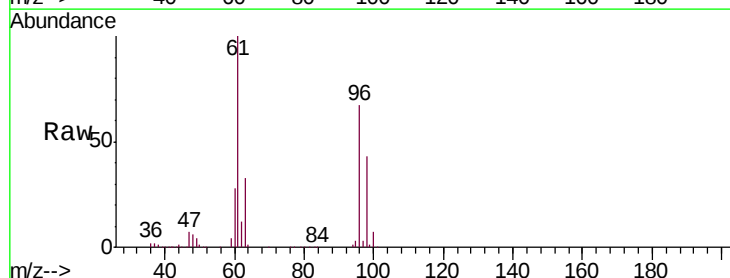
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

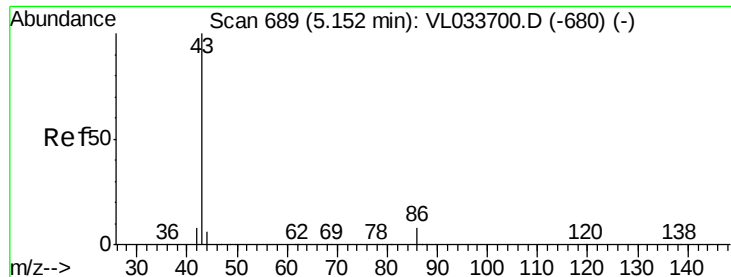
Tgt Ion: 41 Resp: 717009
 Ion Ratio Lower Upper
 41 100
 76 32.7 25.9 38.9
 39 78.8 64.6 97.0



#22
 trans-1,2-Dichloroethene
 Concen: 10.425 ppbv
 RT: 4.96 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Tgt Ion: 96 Resp: 509694
 Ion Ratio Lower Upper
 96 100
 61 149.6 116.8 175.2
 98 63.8 49.4 74.0





#23

Vinyl Acetate

Concen: 11.262 ppbv

RT: 5.15 min Scan# 689

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

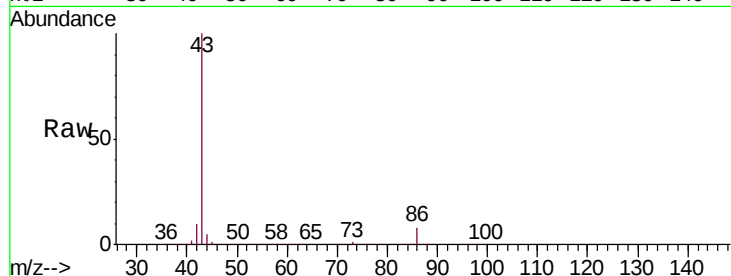
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1657530

Ion	Ratio	Lower	Upper
43	100		
86	7.8	6.0	9.0
42	10.1	7.5	11.3
44	5.0	4.4	6.6

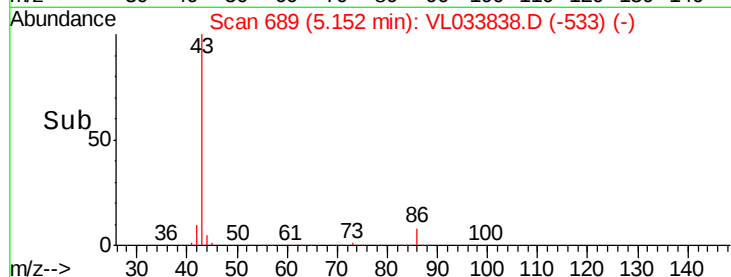


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



Time-->

5.10 5.15 5.20

1500000

1000000

500000

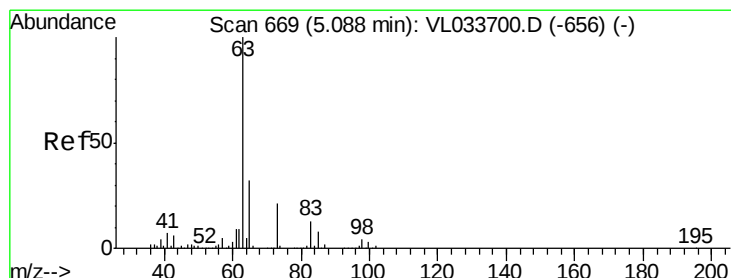
0

5.10 5.15 5.20

0

5.10 5.15 5.20

5.10 5.15 5.20



#24

1,1-Dichloroethane

Concen: 10.398 ppbv

RT: 5.09 min Scan# 669

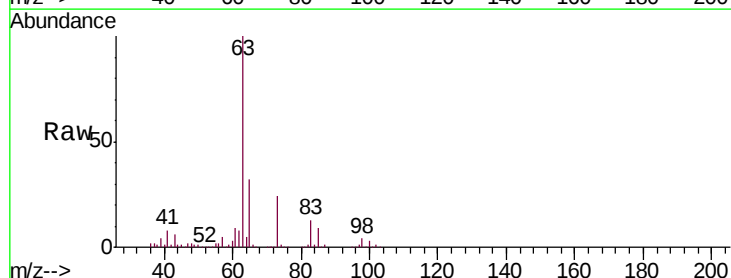
Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Tgt Ion: 63 Resp: 1163377

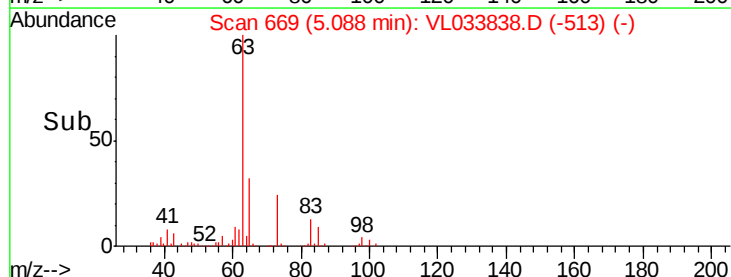
Ion	Ratio	Lower	Upper
63	100		
98	4.4	1.8	5.5
100	2.9	1.4	4.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



Time-->

5.00 5.05 5.10 5.15

800000

600000

400000

200000

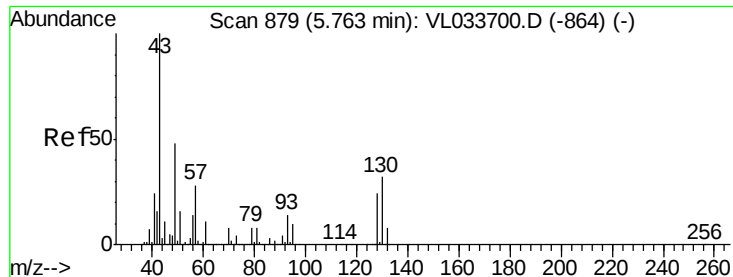
0

5.00 5.05 5.10 5.15

5.00 5.05 5.10 5.15

5.00 5.05 5.10 5.15

5.00 5.05 5.10 5.15



#25

Ethyl Acetate

Concen: 10.115 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1983371

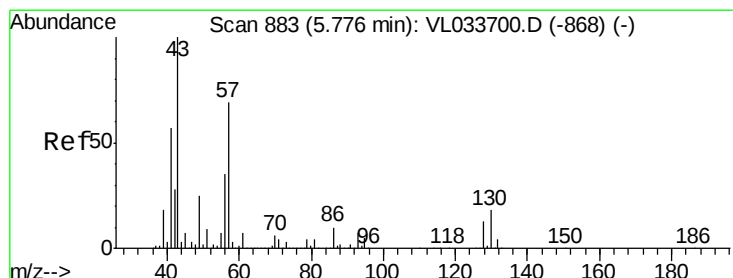
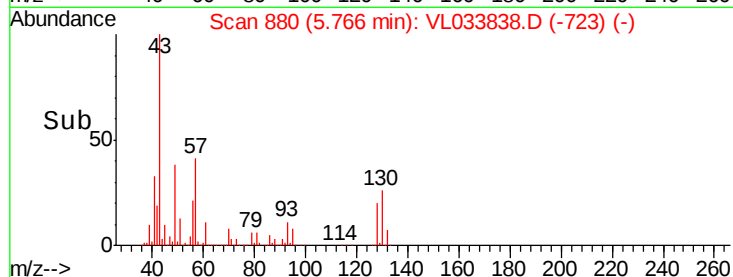
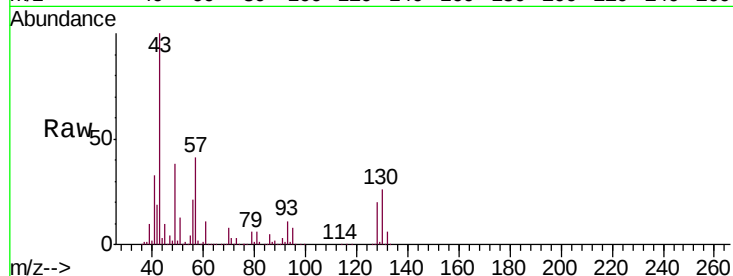
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.8	7.7	11.5
70	7.4	5.8	8.6

Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.574 ppbv

RT: 5.78 min Scan# 883

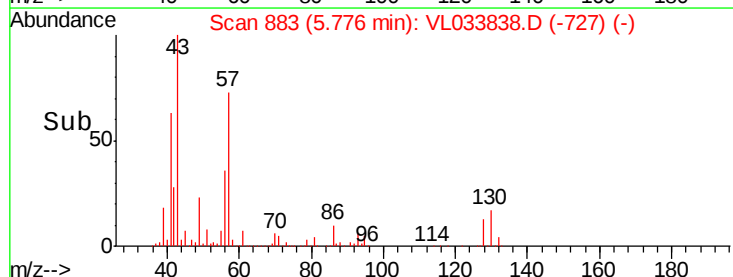
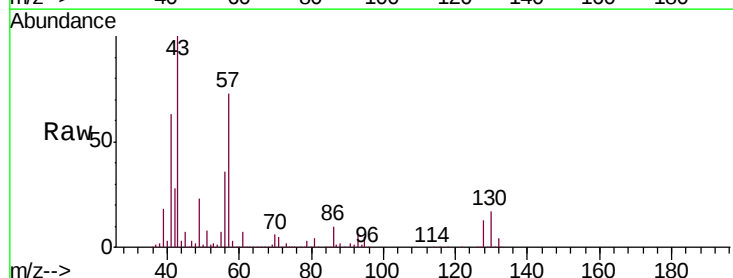
Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Tgt Ion: 57 Resp: 891344

Ion	Ratio	Lower	Upper
57	100		
41	84.8	69.8	104.6
43	223.9	181.8	272.6
56	51.3	42.1	63.1

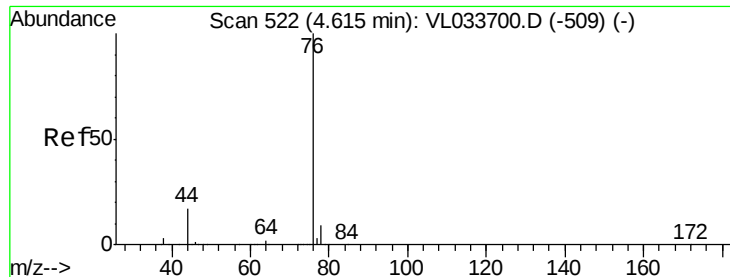


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 10.348 ppbv

RT: 4.62 min Scan# 522

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

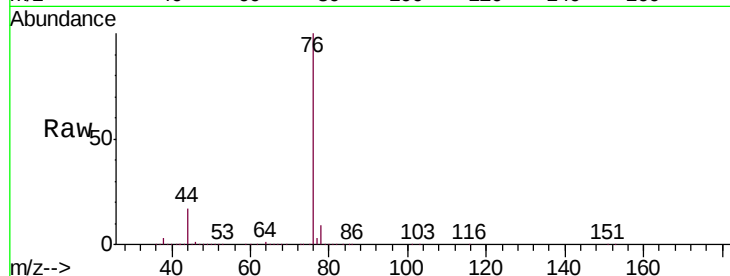
Tgt Ion: 76 Resp: 1196805

Ion Ratio Lower Upper

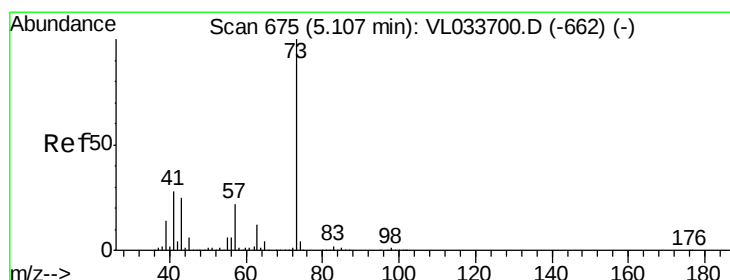
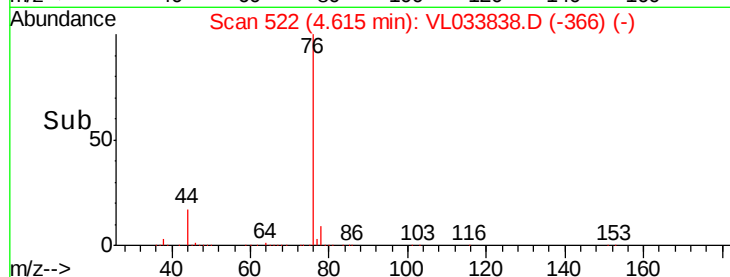
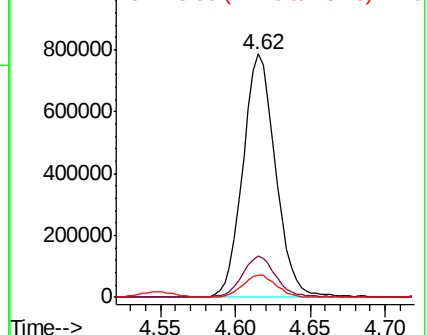
76 100

44 17.0 13.8 20.8

78 9.3 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.456 ppbv

RT: 5.11 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL033838.D

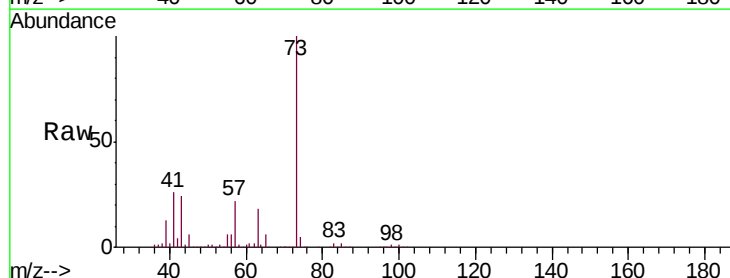
Acq: 29 May 2019 14:59

Tgt Ion: 73 Resp: 1574407

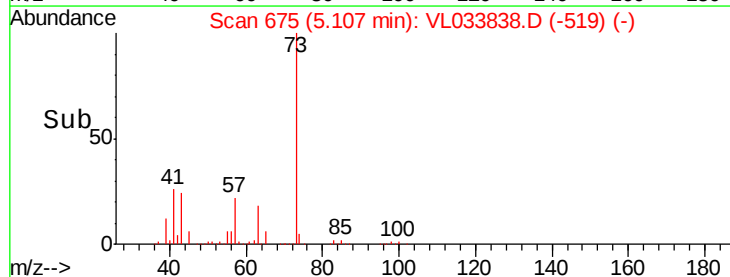
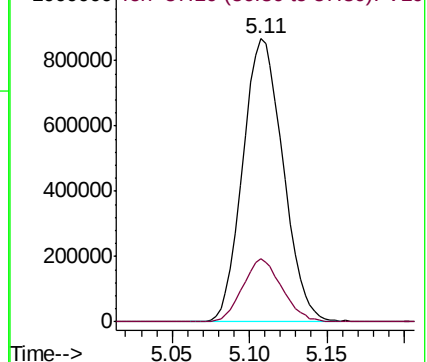
Ion Ratio Lower Upper

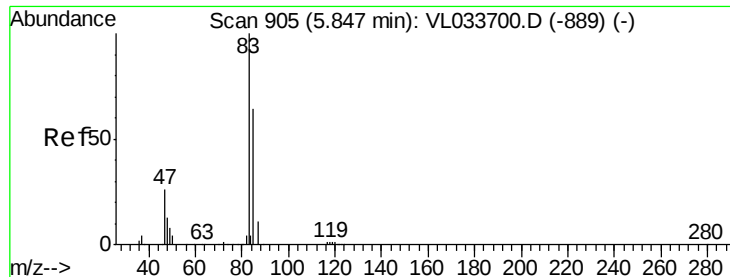
73 100

57 21.7 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

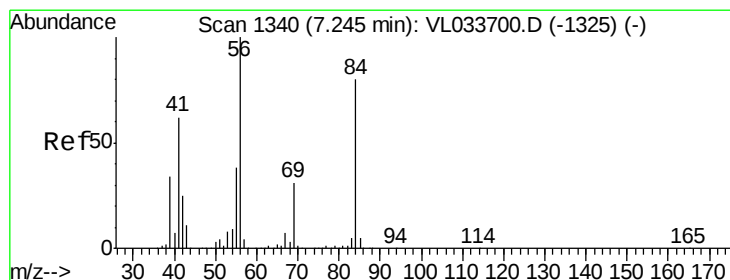
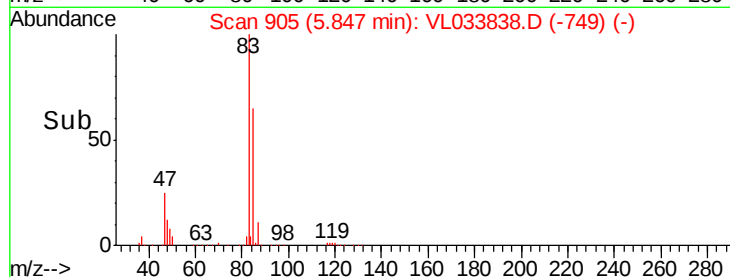
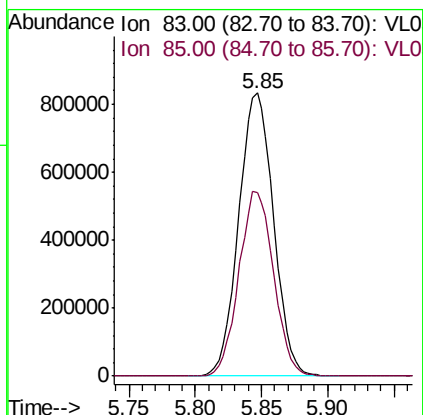
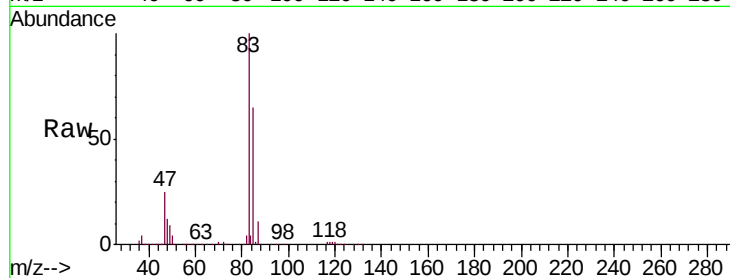




#29
Chloroform
Concen: 9.809 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

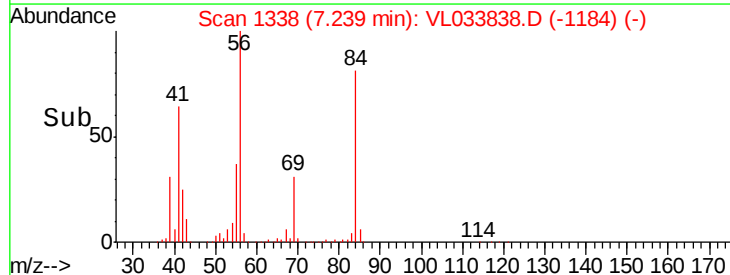
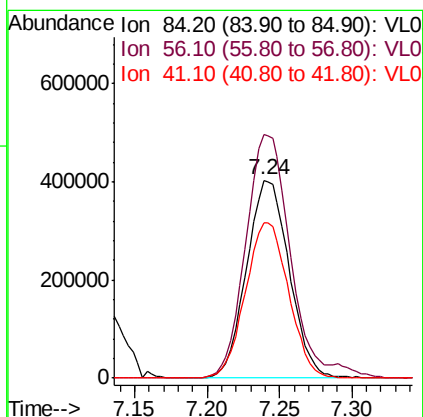
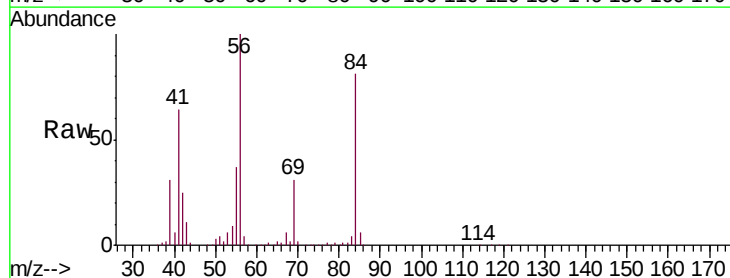
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

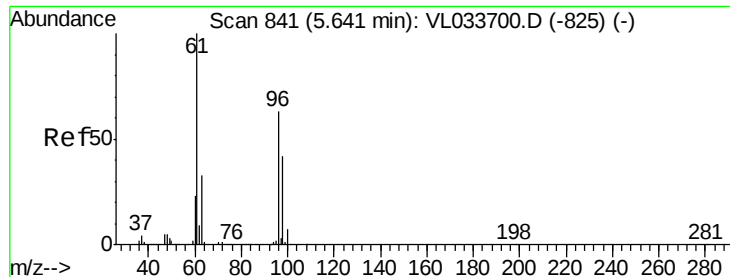
Tgt Ion: 83 Resp: 1523086
Ion Ratio Lower Upper
83 100
85 64.8 51.5 77.3



#30
Cyclohexane
Concen: 11.619 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Tgt Ion: 84 Resp: 823480
Ion Ratio Lower Upper
84 100
56 130.5 107.7 161.5
41 79.6 66.0 99.0



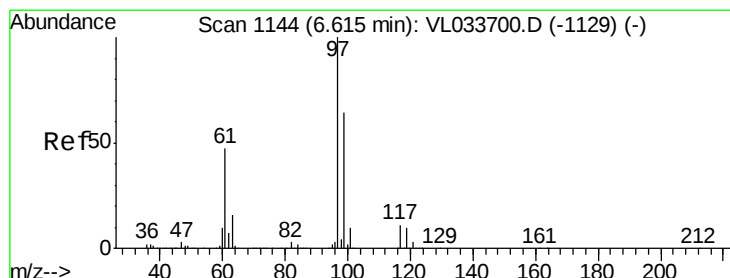
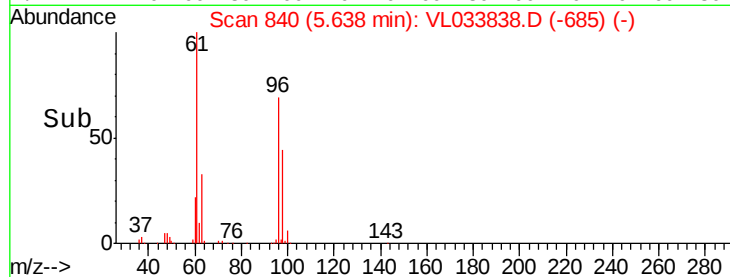
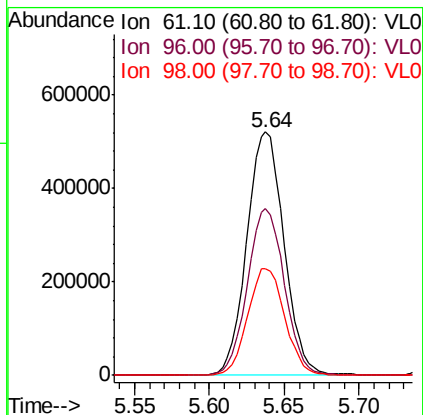
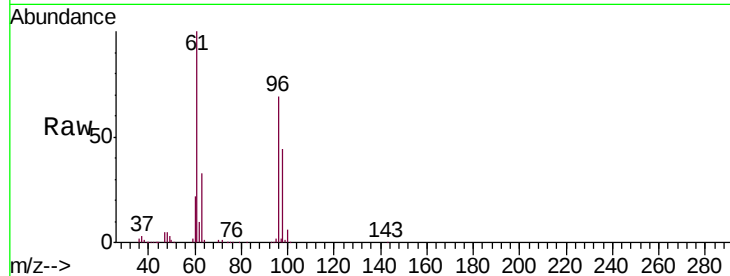


#31

cis-1,2-Dichloroethene
 Concen: 10.791 ppbv
 RT: 5.64 min Scan# 840
 Delta R.T. -0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

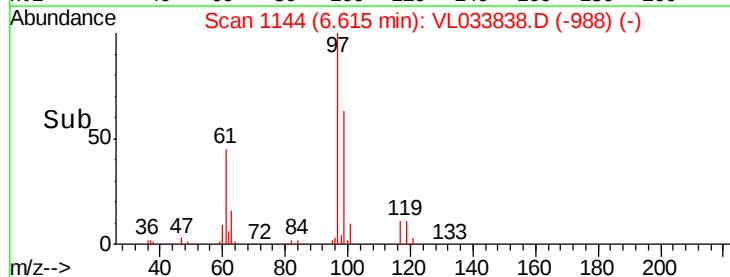
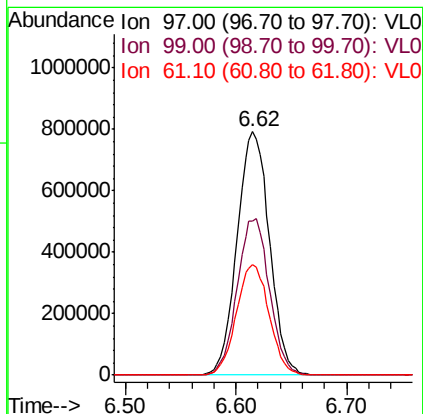
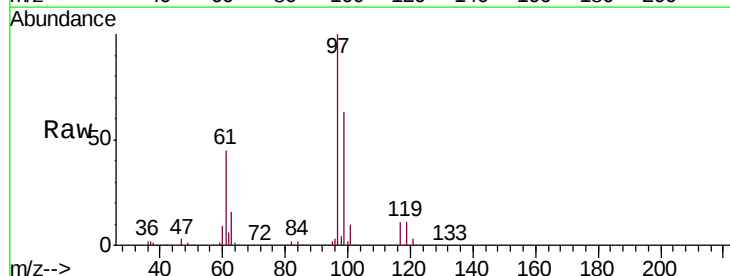
Tgt Ion	Ratio	Lower	Upper
61	100		
96	68.8	50.8	76.2
98	43.7	33.3	49.9

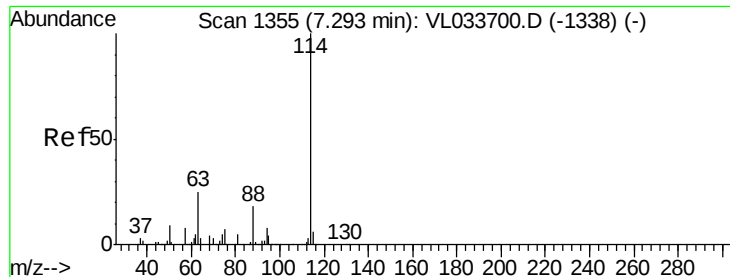


#32

1,1,1-Trichloroethane
 Concen: 10.395 ppbv
 RT: 6.62 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.5	77.3
61	46.0	37.8	56.8

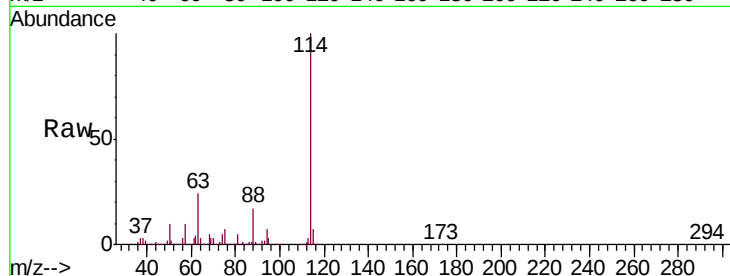




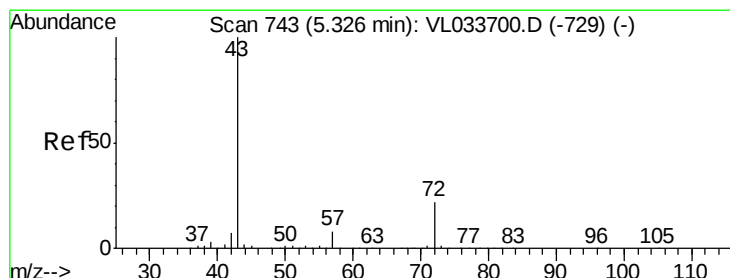
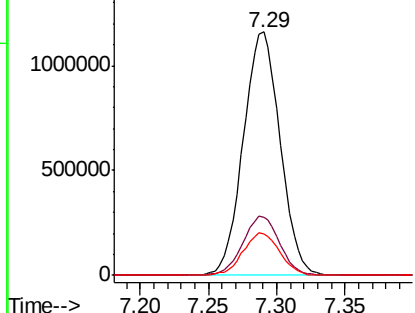
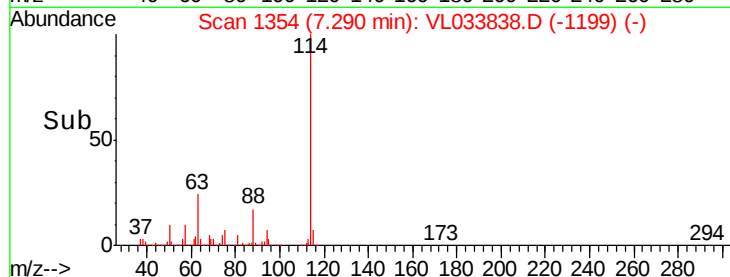
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. -0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:114 Resp: 2173217
 Ion Ratio Lower Upper
 114 100
 63 24.7 20.9 31.3
 88 17.4 14.3 21.5

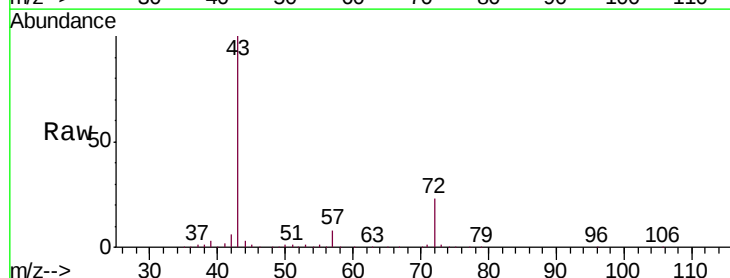


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

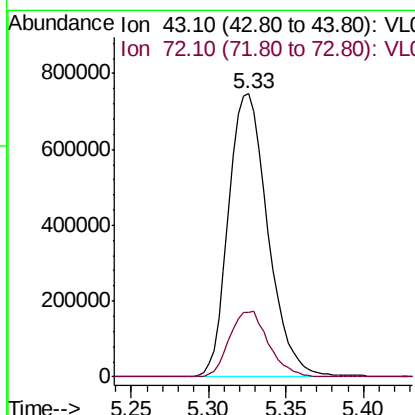
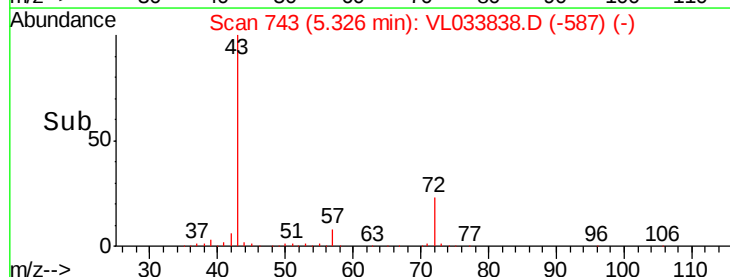


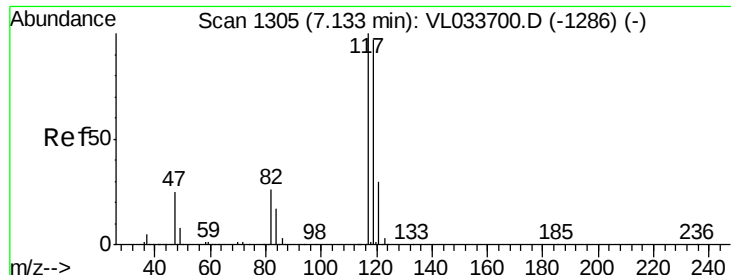
#34
 2-Butanone
 Concen: 9.768 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. 0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Tgt Ion: 43 Resp: 1315846
 Ion Ratio Lower Upper
 43 100
 72 23.3 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

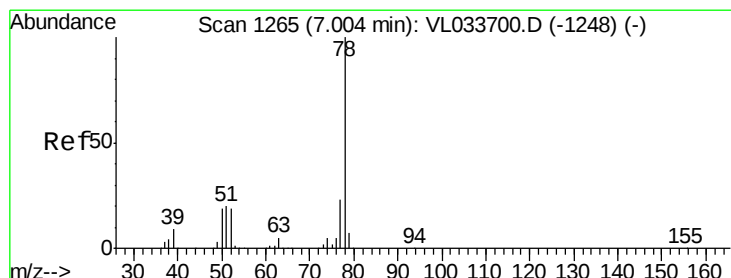
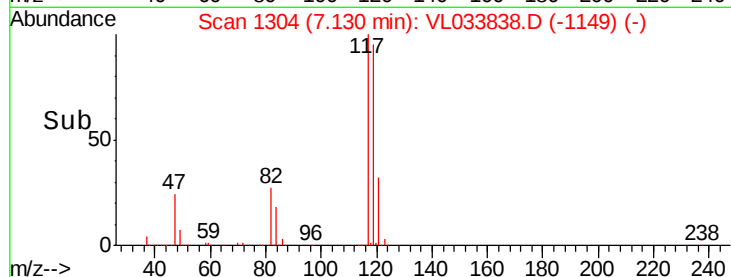
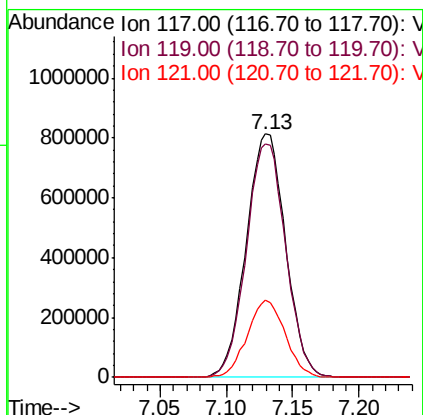
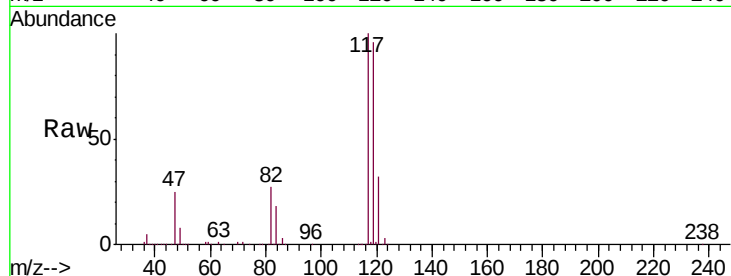




#35
Carbon Tetrachloride
Concen: 9.614 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

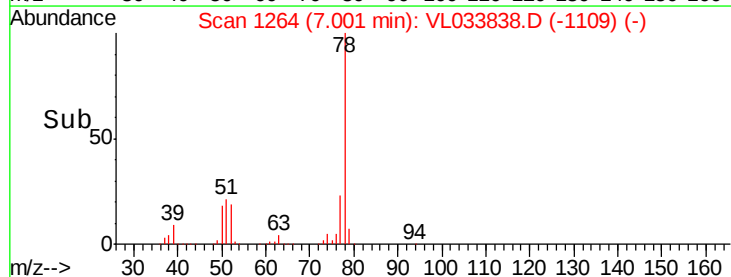
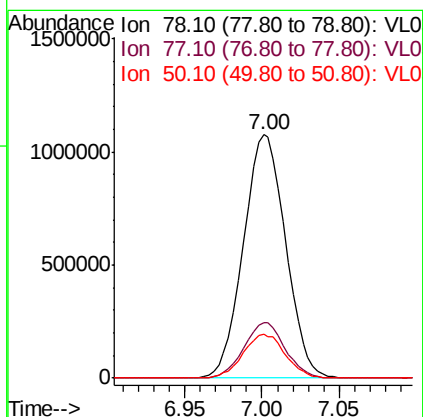
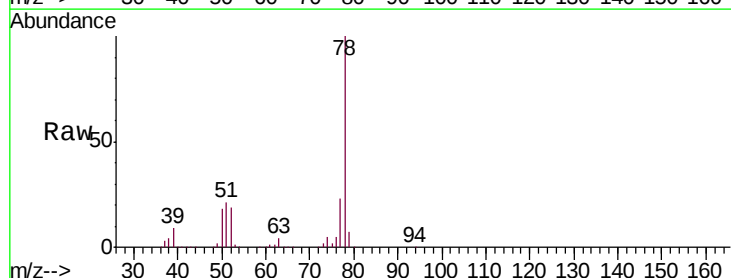
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

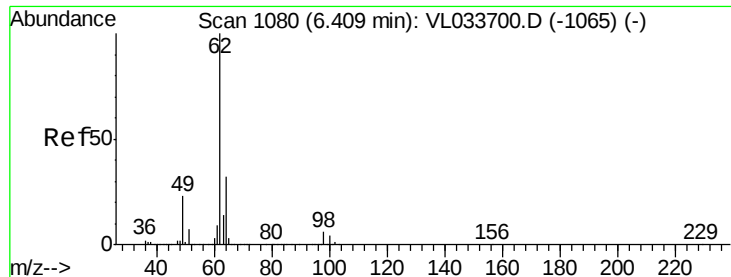
Tgt Ion: 117 Resp: 1673634
Ion Ratio Lower Upper
117 100
119 95.6 77.2 115.8
121 31.8 24.1 36.1



#36
Benzene
Concen: 10.336 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Tgt Ion: 78 Resp: 2043216
Ion Ratio Lower Upper
78 100
77 22.5 18.4 27.6
50 18.1 15.5 23.3

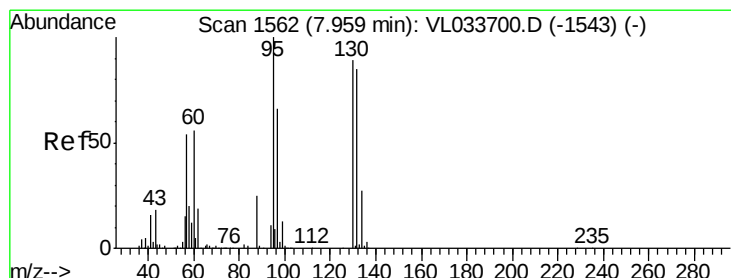
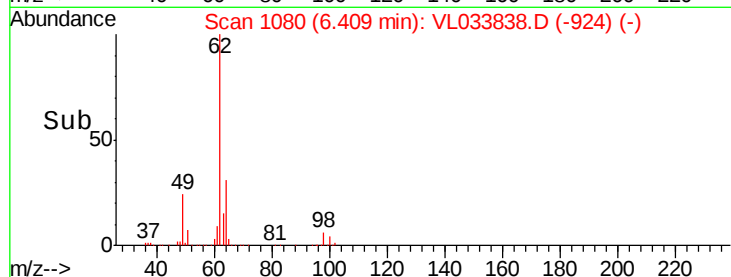
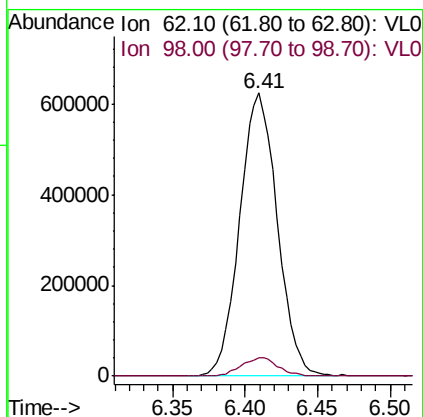
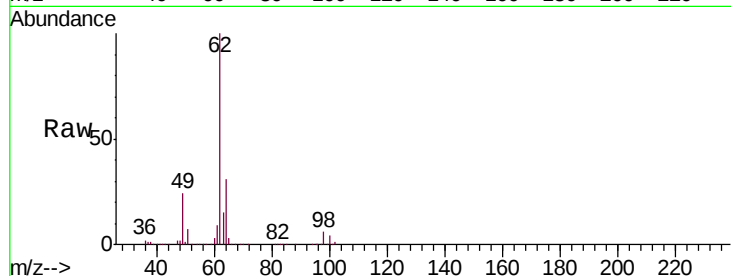




#37
 1,2-Dichloroethane
 Concen: 8.825 ppbv
 RT: 6.41 min Scan# 1080
 Delta R.T. 0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

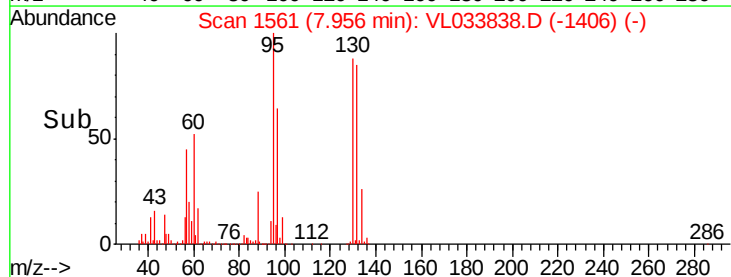
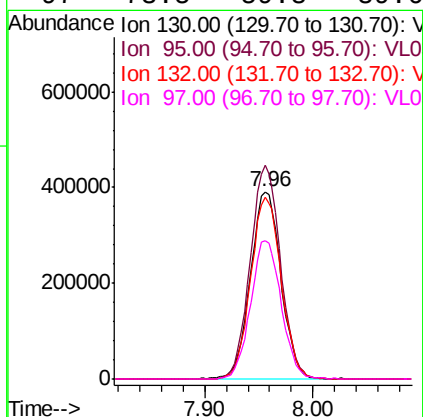
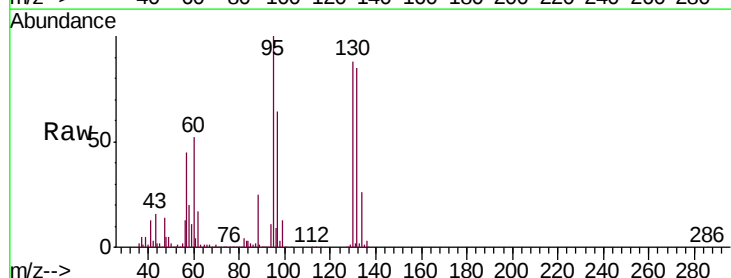
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

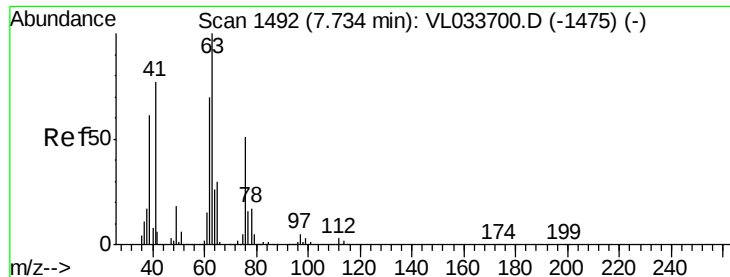
Tgt Ion: 62 Resp: 1125354
 Ion Ratio Lower Upper
 62 100
 98 6.4 4.5 6.7



#38
 Trichloroethene
 Concen: 10.487 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Tgt Ion: 130 Resp: 769259
 Ion Ratio Lower Upper
 130 100
 95 114.0 90.2 135.4
 132 97.1 76.4 114.6
 97 73.5 59.8 89.6

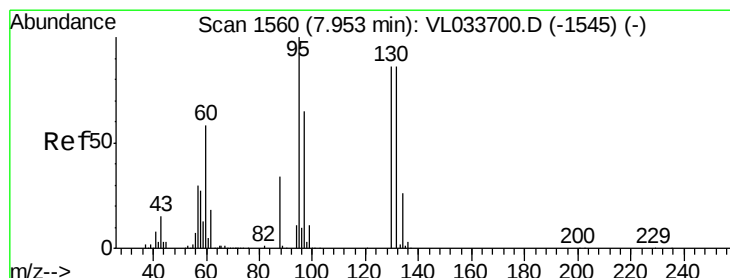
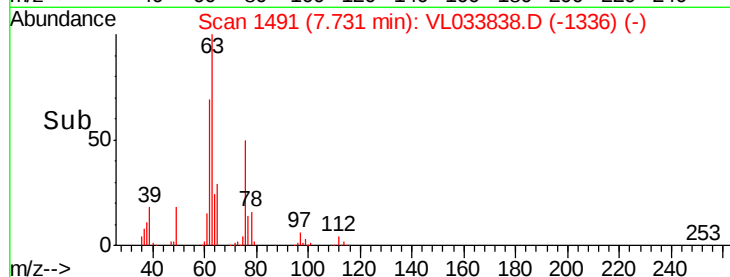
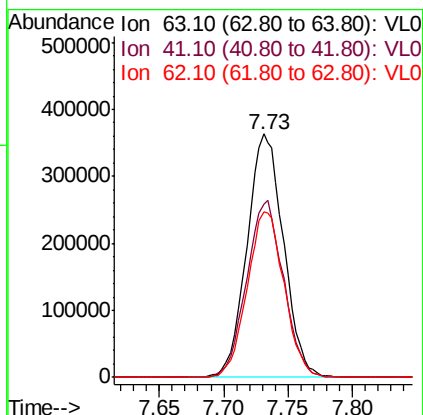
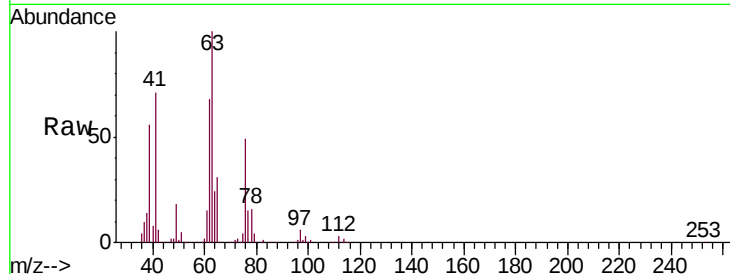




#39
 1,2-Dichloropropane
 Concen: 9.732 ppbv
 RT: 7.73 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

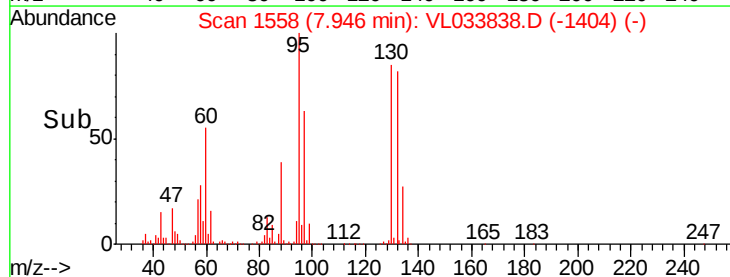
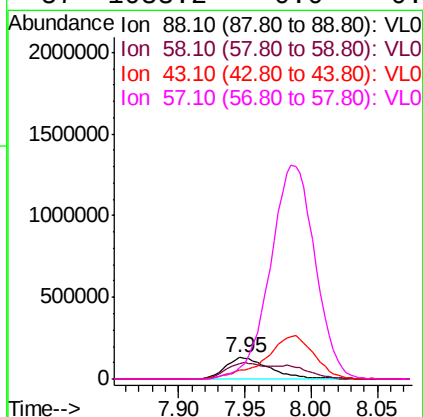
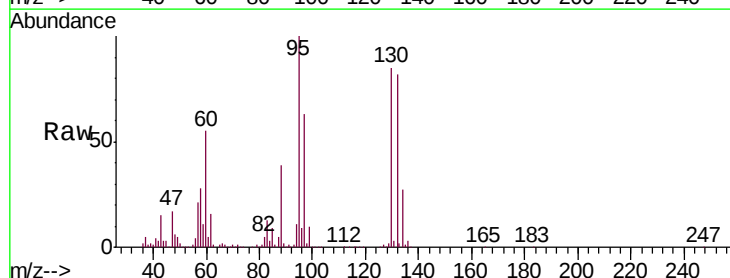
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

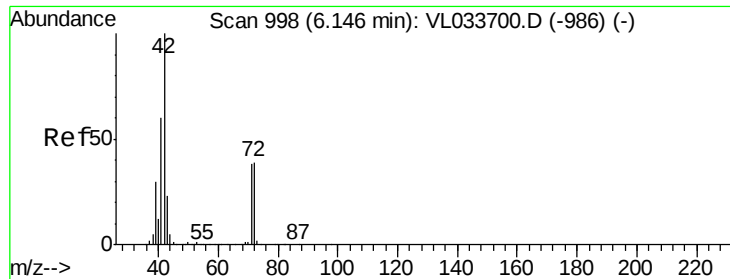
Tgt Ion: 63 Resp: 717280
 Ion Ratio Lower Upper
 63 100
 41 71.2 61.5 92.3
 62 68.3 56.2 84.4



#40
 1,4-Dioxane
 Concen: 9.747 ppbv
 RT: 7.95 min Scan# 1558
 Delta R.T. -0.01 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Tgt Ion: 88 Resp: 300516
 Ion Ratio Lower Upper
 88 100
 58 119.1 101.8 152.6
 43 230.0 0.0 0.0#
 57 1033.2 0.0 0.0#





#41

Tetrahydrofuran

Concen: 10.264 ppbv

RT: 6.14 min Scan# 997

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

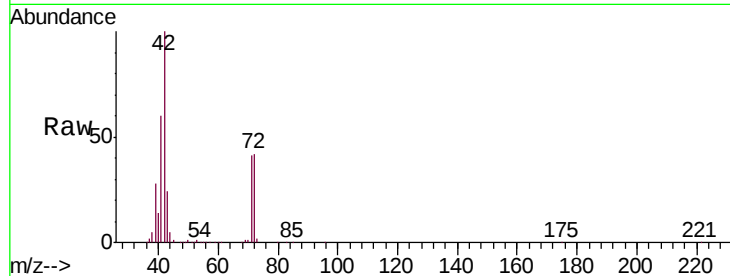
Tgt Ion: 42 Resp: 774704

Ion Ratio Lower Upper

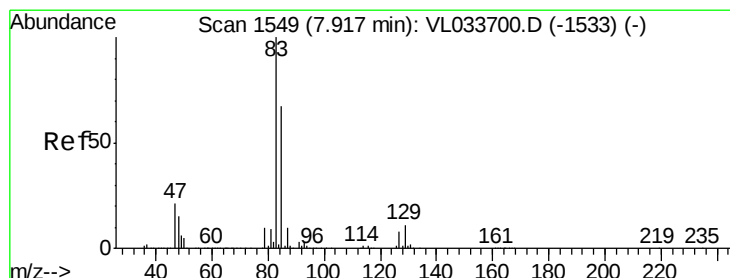
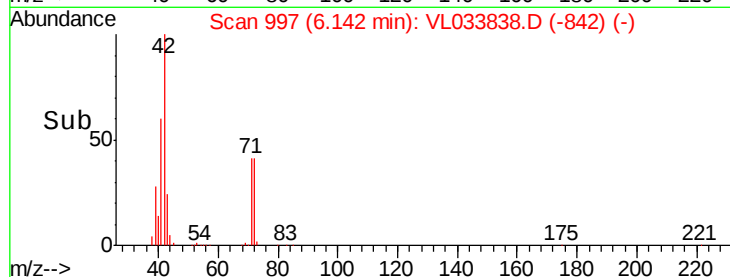
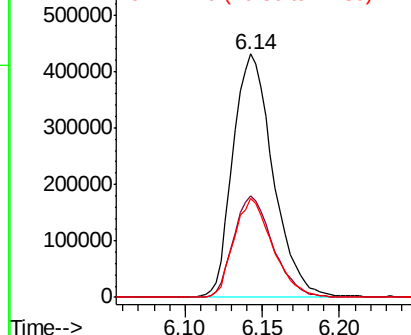
42 100

72 41.1 32.0 48.0

71 39.3 30.4 45.6



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.466 ppbv

RT: 7.91 min Scan# 1548

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

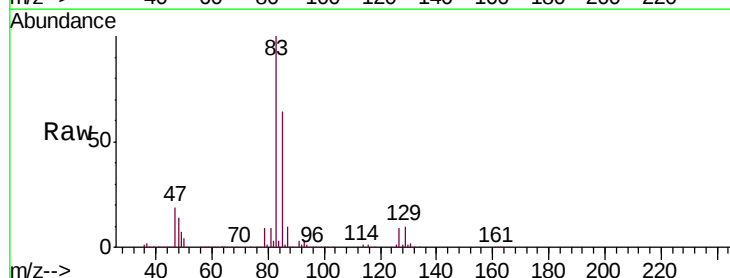
Tgt Ion: 83 Resp: 1652586

Ion Ratio Lower Upper

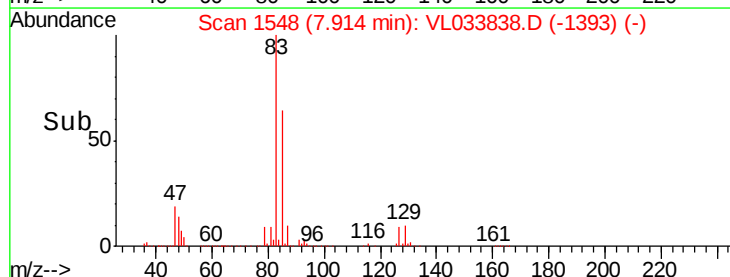
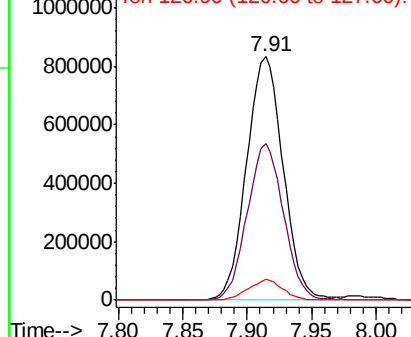
83 100

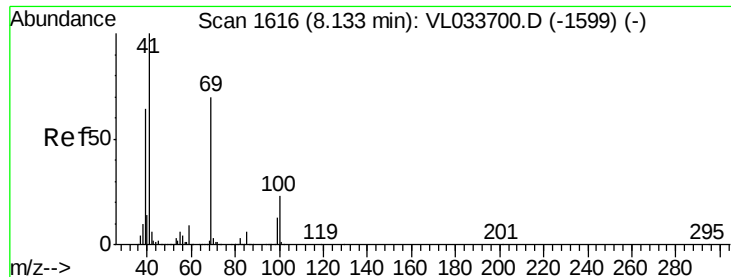
85 64.3 53.3 79.9

127 8.7 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

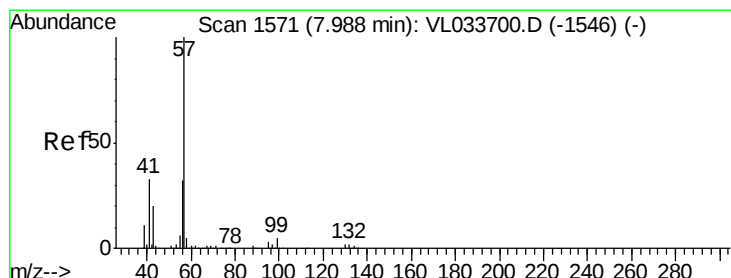
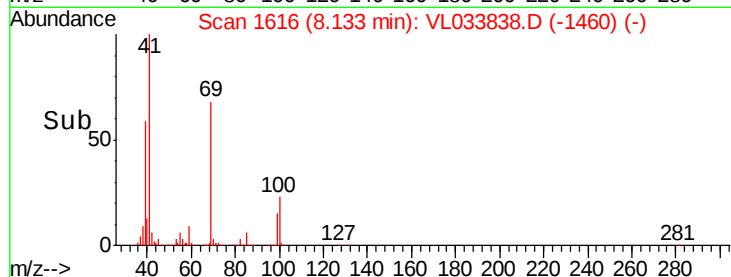
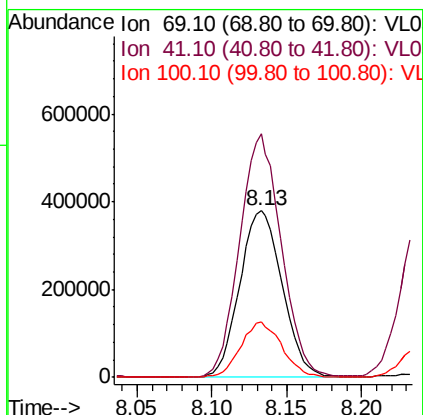
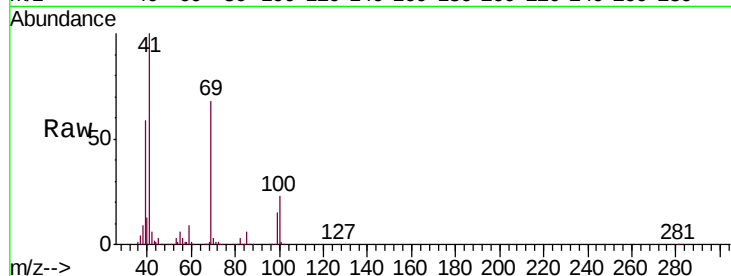




#43
Methyl Methacrylate
Concen: 10.323 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

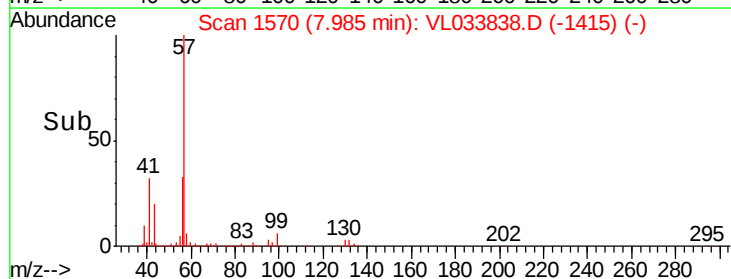
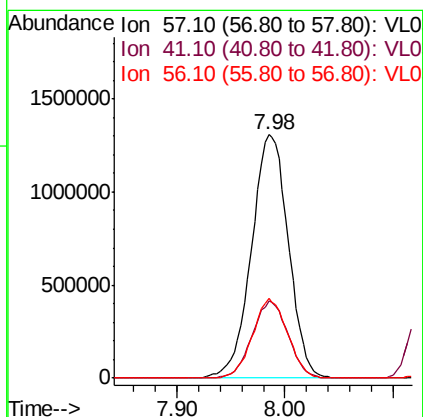
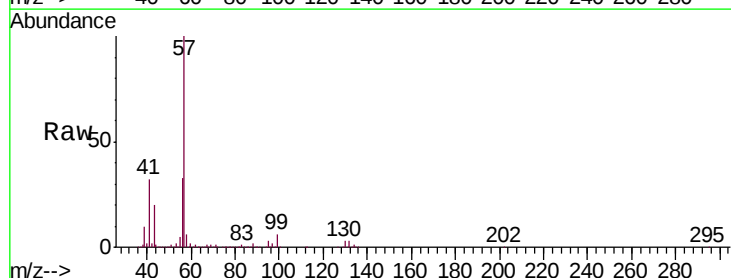
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

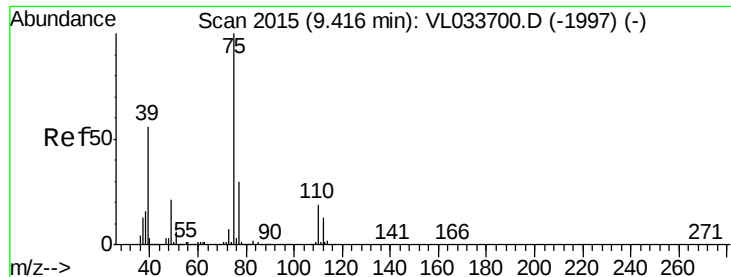
Tgt Ion: 69 Resp: 751012
Ion Ratio Lower Upper
69 100
41 143.5 116.3 174.5
100 32.3 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 9.276 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Tgt Ion: 57 Resp: 3099303
Ion Ratio Lower Upper
57 100
41 30.8 25.4 38.0
56 31.1 24.7 37.1





#45

t-1,3-Dichloropropene

Concen: 11.492 ppbv

RT: 9.41 min Scan# 2013

Delta R.T. -0.01 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

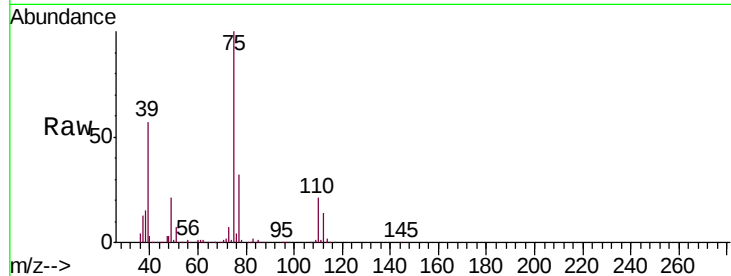
VSTDCCC010EC

Tgt Ion: 75 Resp: 1059910

Ion Ratio Lower Upper

75 100

77 31.8 24.4 36.6



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

600000

500000

400000

300000

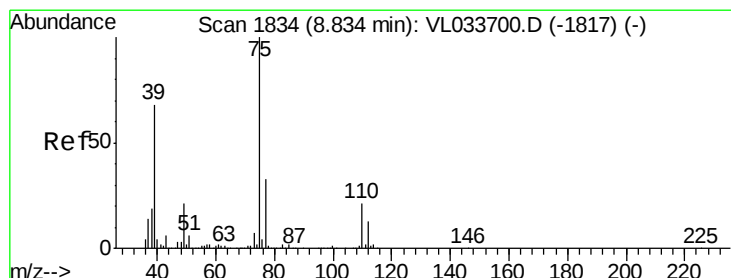
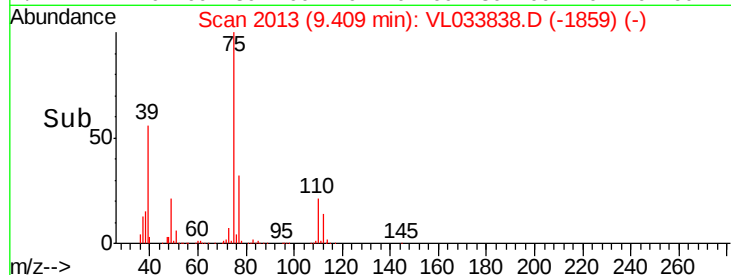
200000

100000

0

9.35 9.40 9.45 9.50

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.497 ppbv

RT: 8.83 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

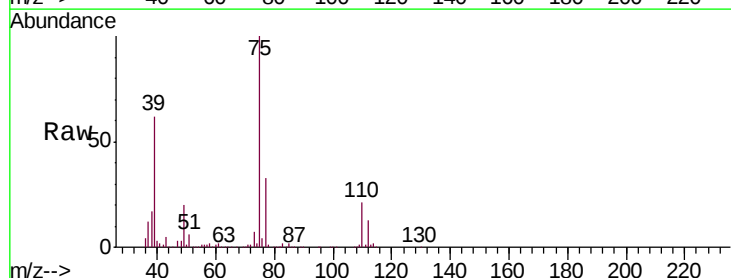
Tgt Ion: 75 Resp: 1133592

Ion Ratio Lower Upper

75 100

39 61.8 54.4 81.6

77 32.7 26.6 39.8



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

800000

600000

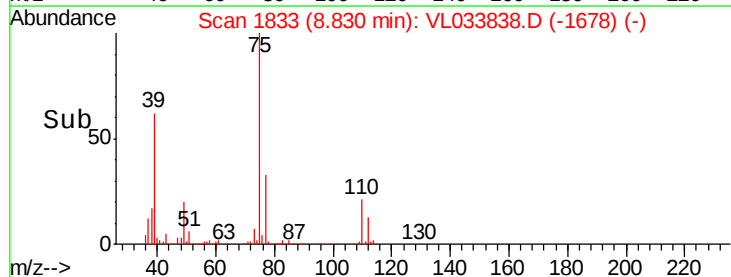
400000

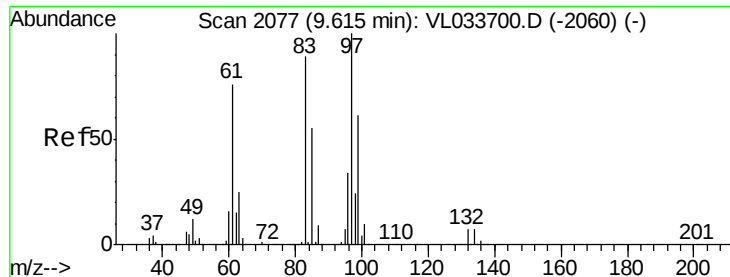
200000

0

8.75 8.80 8.85 8.90

Time-->

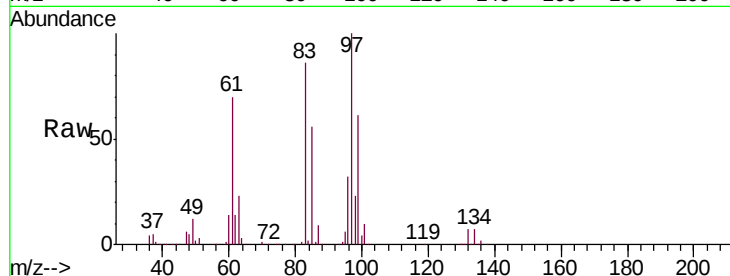




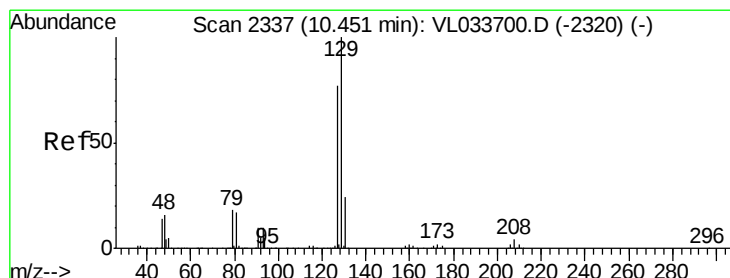
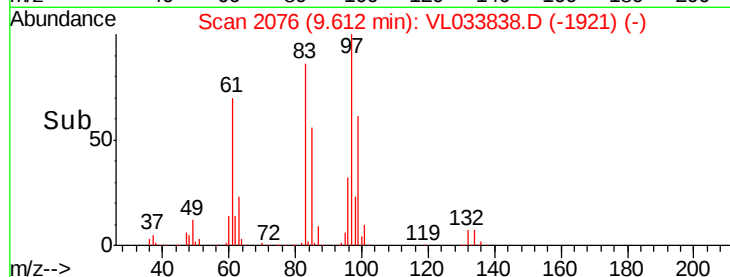
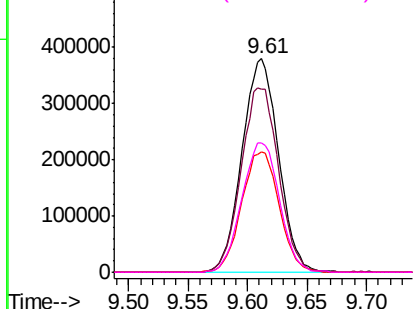
#47
 1,1,2-Trichloroethane
 Concen: 9.634 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:	97	Resp:	806685
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.8	106.2
85	56.3	43.7	65.5
99	60.6	48.7	73.1

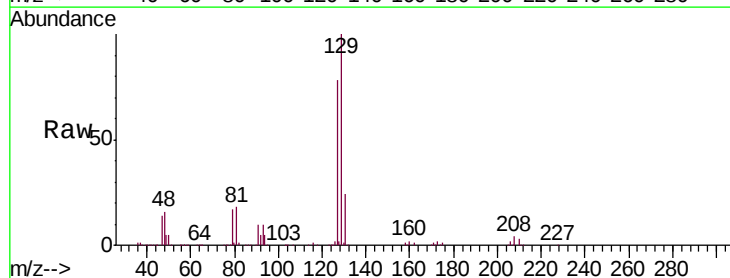


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

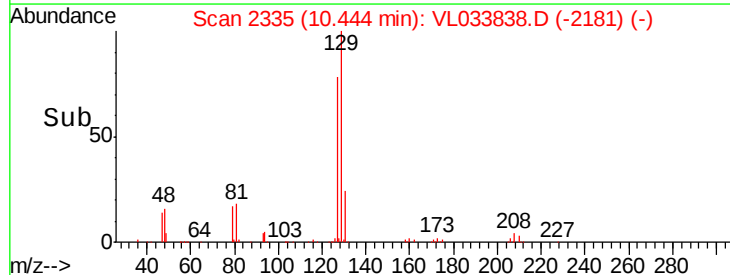
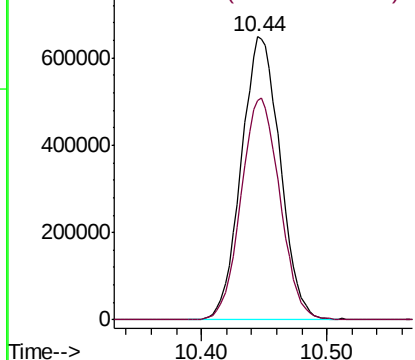


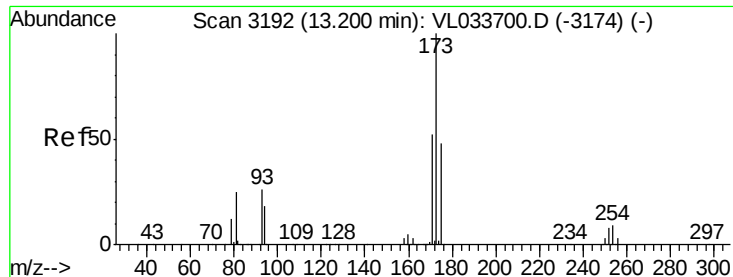
#48
 Dibromochloromethane
 Concen: 9.616 ppbv
 RT: 10.44 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Tgt Ion:	129	Resp:	1395031
Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.6	116.0



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.850 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. 0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

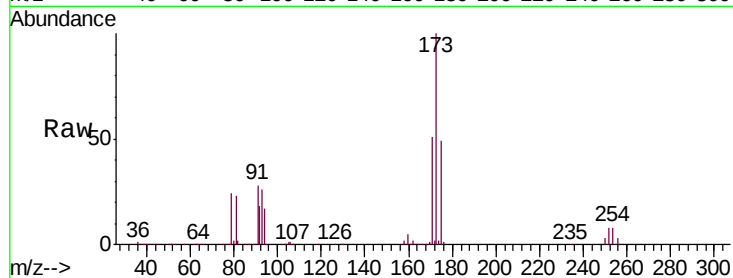
Tgt Ion:173 Resp: 1324443

Ion Ratio Lower Upper

173 100

175 49.2 38.6 58.0

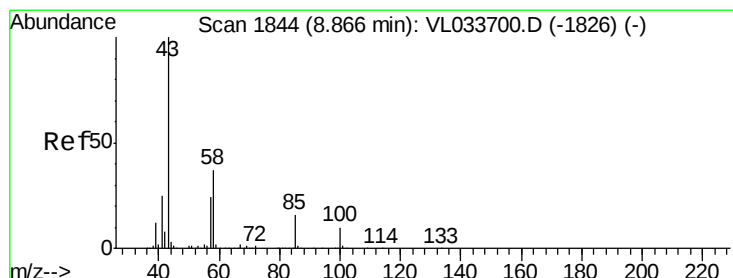
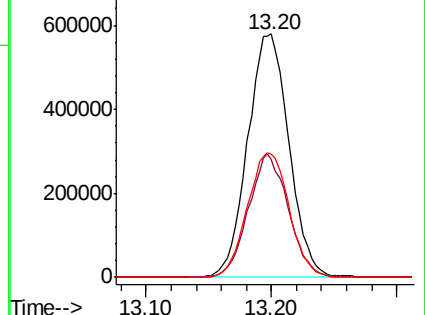
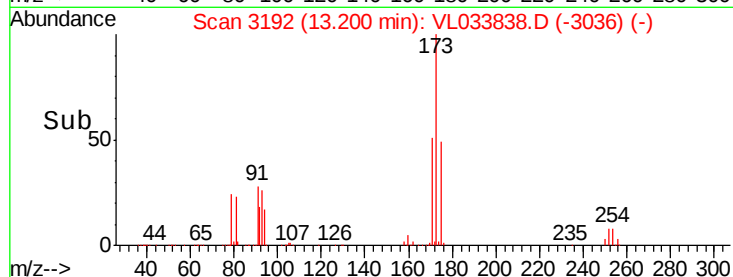
171 51.9 41.5 62.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.451 ppbv

RT: 8.87 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VL033838.D

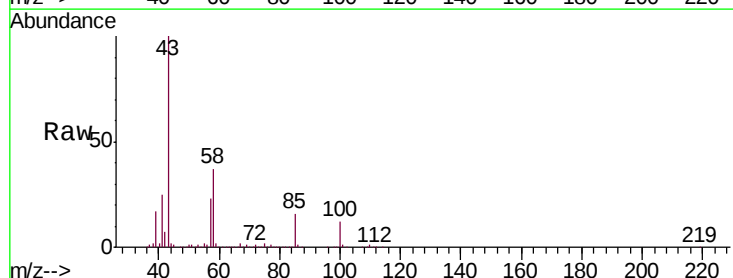
Acq: 29 May 2019 14:59

Tgt Ion: 43 Resp: 1958235

Ion Ratio Lower Upper

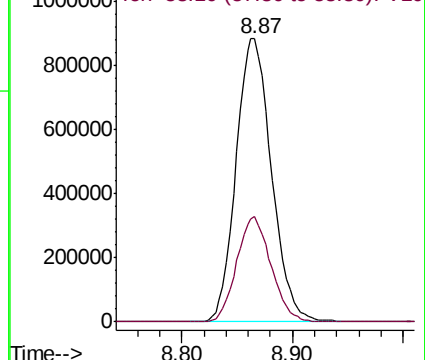
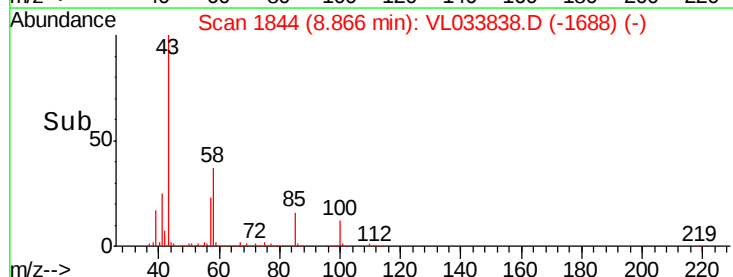
43 100

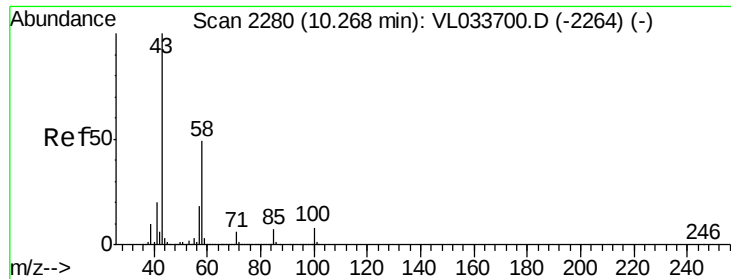
58 36.2 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

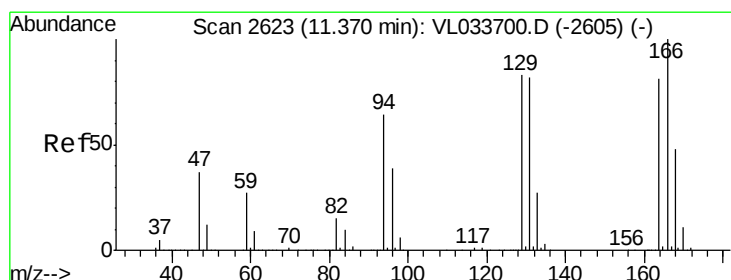
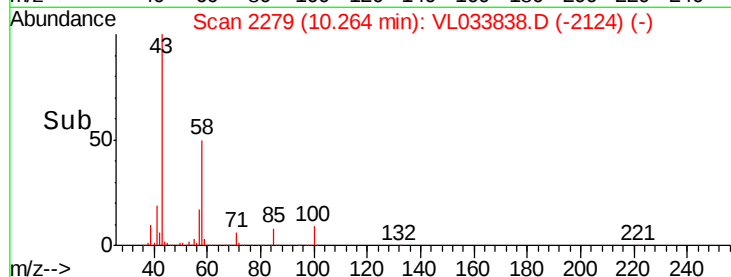
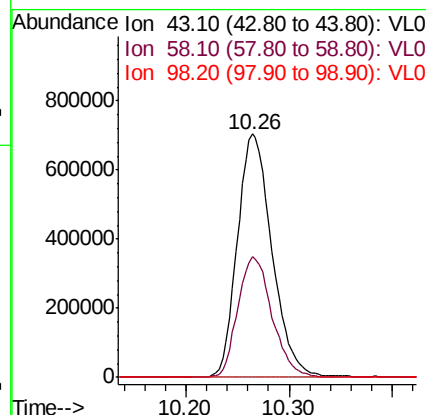
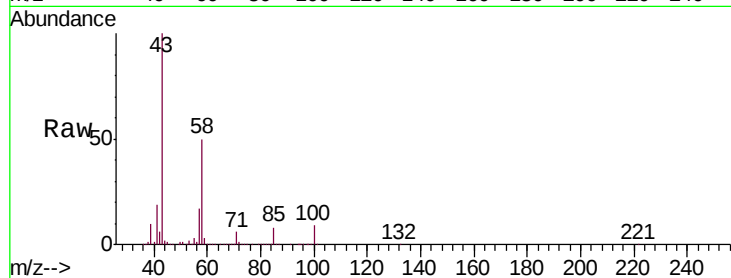




#51
2-Hexanone
Concen: 10.175 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

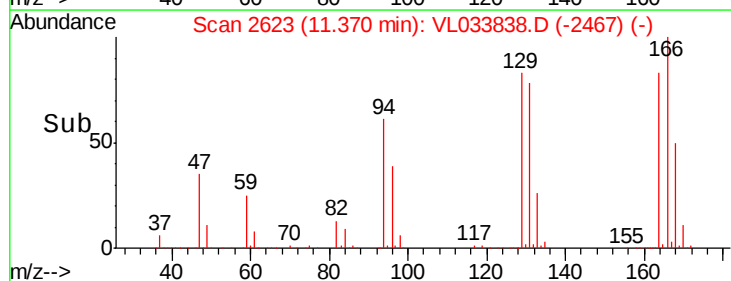
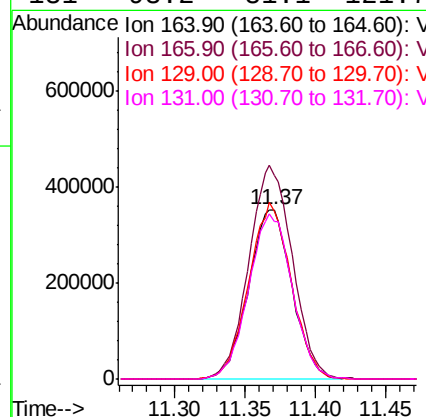
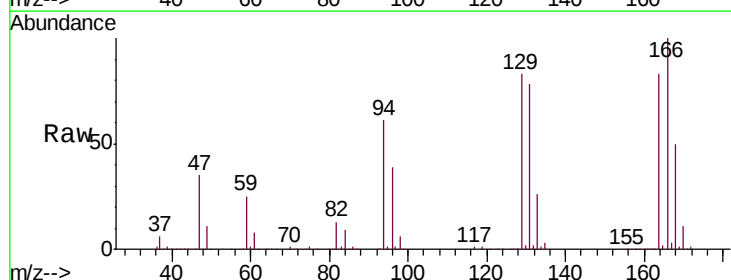
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

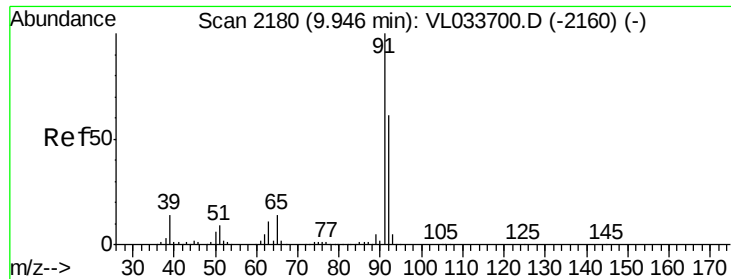
Tgt Ion: 43 Resp: 1645325
Ion Ratio Lower Upper
43 100
58 49.0 38.7 58.1
98 0.1 0.2 0.4#



#52
Tetrachloroethene
Concen: 10.865 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Tgt Ion: 164 Resp: 755000
Ion Ratio Lower Upper
164 100
166 120.3 98.9 148.3
129 99.2 81.8 122.6
131 93.2 81.1 121.7





#53

Toluene

Concen: 10.526 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

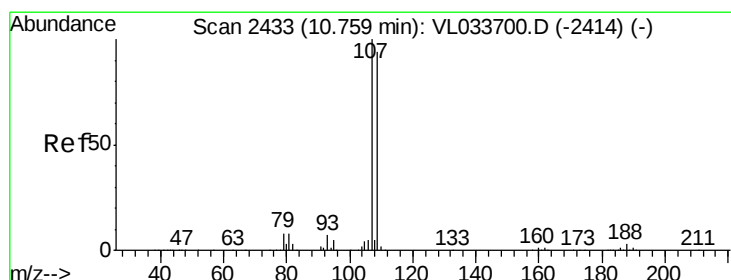
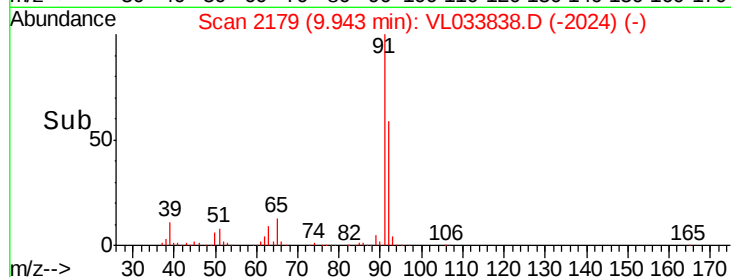
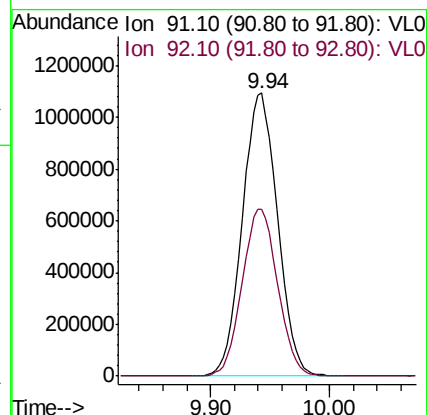
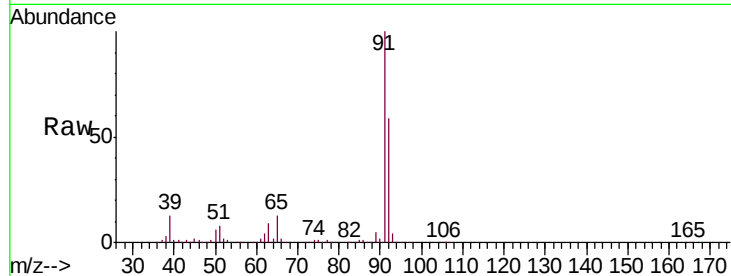
VSTDCCC010EC

Tgt Ion: 91 Resp: 2244445

Ion Ratio Lower Upper

91 100

92 59.5 47.6 71.4



#54

1,2-Dibromoethane

Concen: 9.877 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. -0.00 min

Lab File: VL033838.D

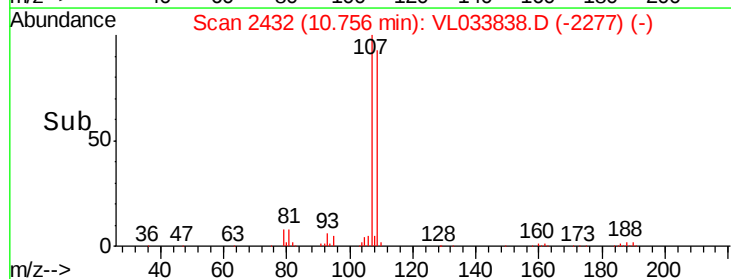
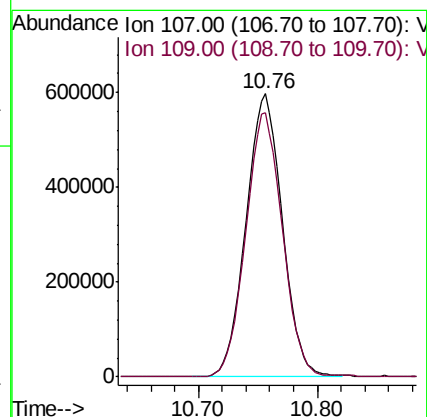
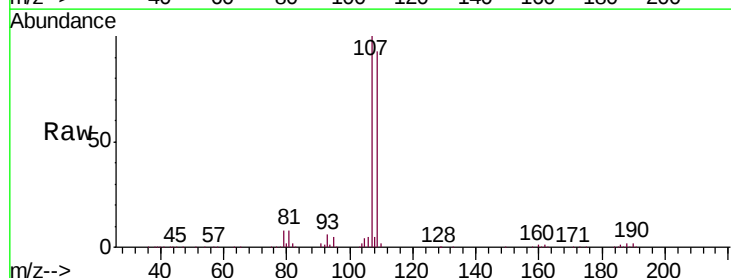
Acq: 29 May 2019 14:59

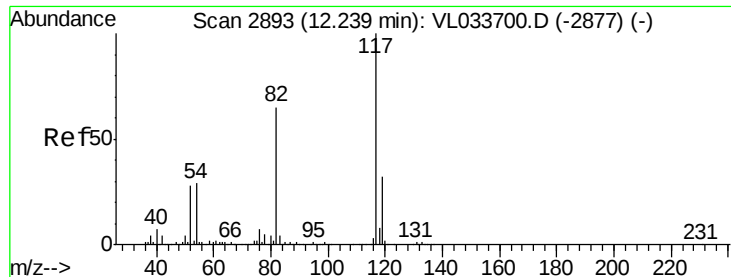
Tgt Ion: 107 Resp: 1262112

Ion Ratio Lower Upper

107 100

109 93.2 75.2 112.8

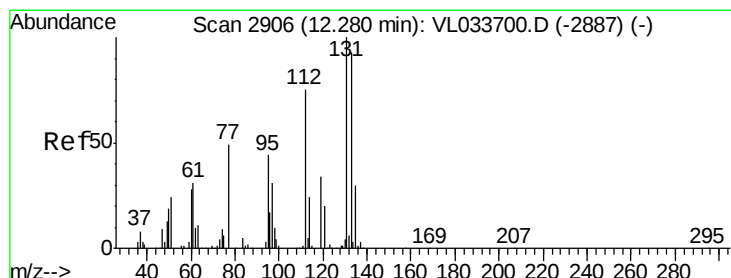
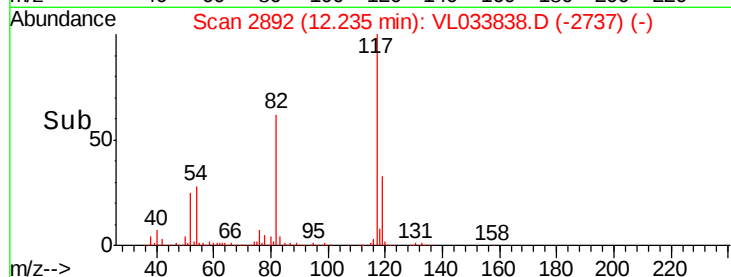
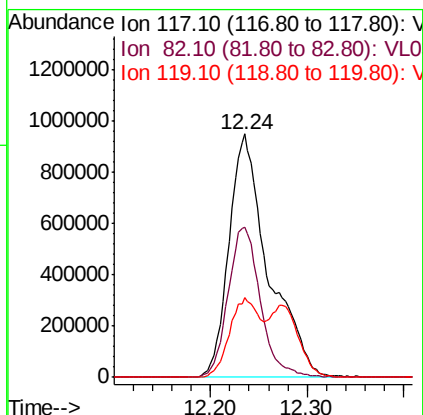
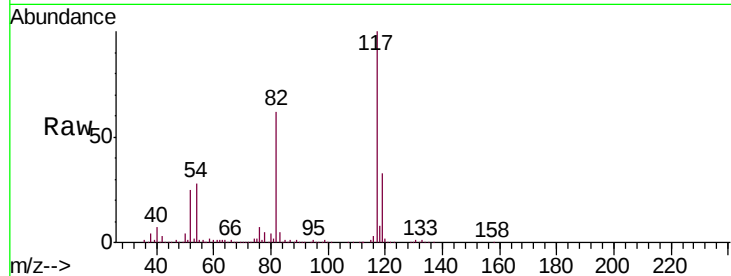




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

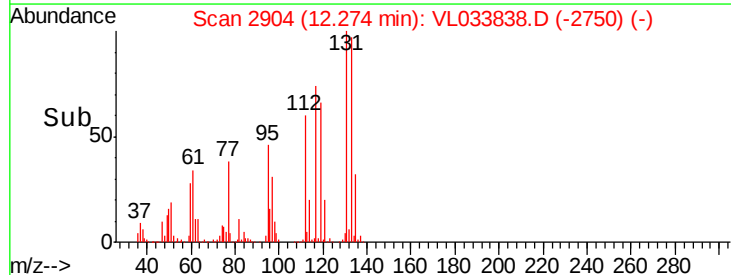
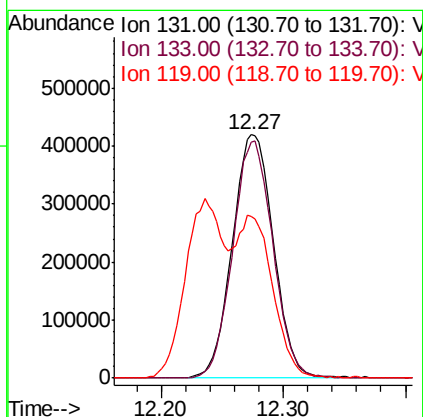
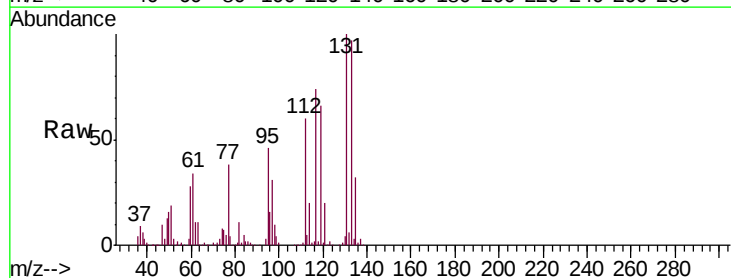
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

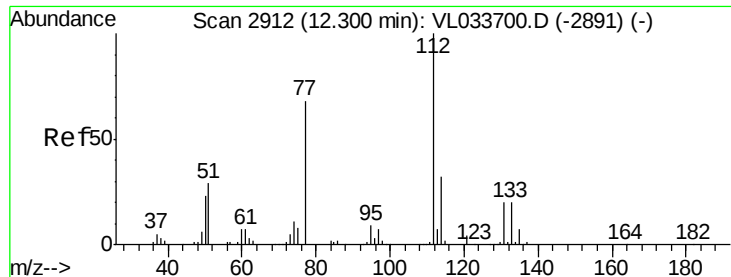
Tgt Ion:117 Resp: 2682307
Ion Ratio Lower Upper
117 100
82 50.9 49.4 74.0
119 24.8 24.9 37.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.853 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Tgt Ion:131 Resp: 974745
Ion Ratio Lower Upper
131 100
133 96.0 76.6 114.8
119 66.7 49.0 73.4

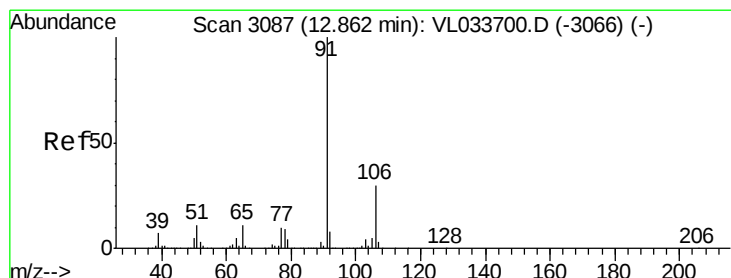
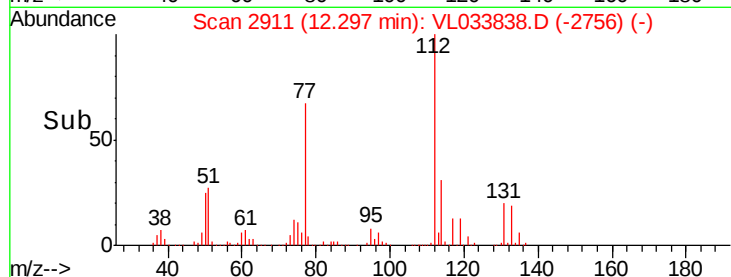
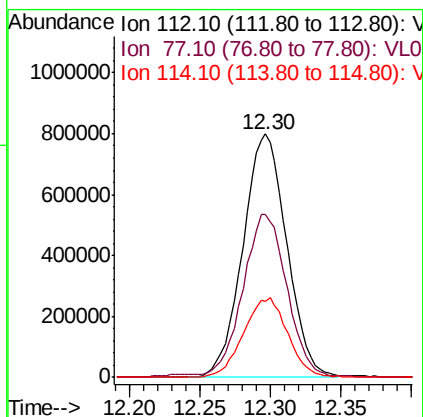
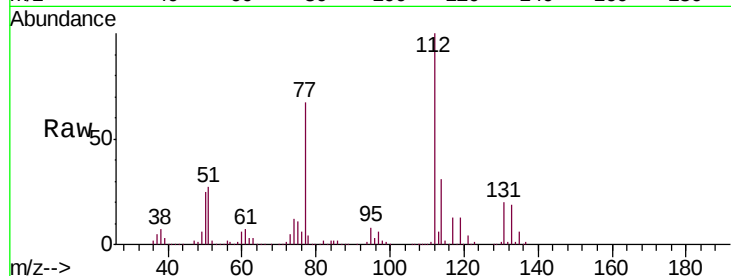




#57
Chlorobenzene
Concen: 7.862 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

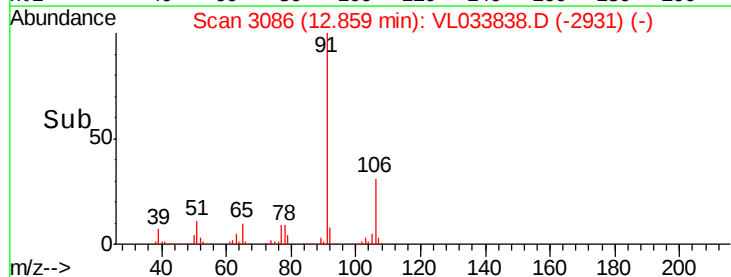
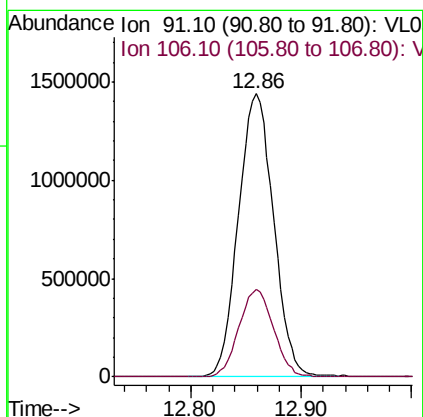
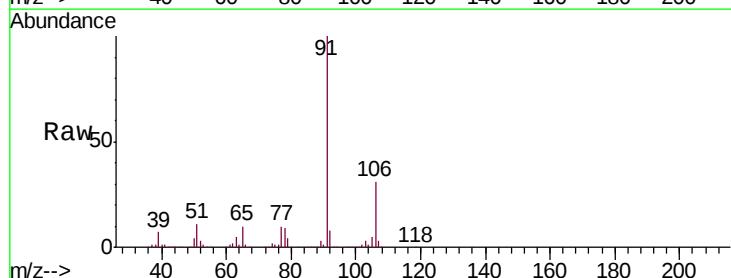
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

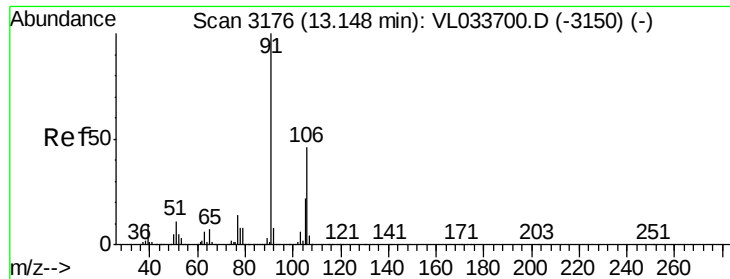
Tgt Ion: 112 Resp: 1735829
Ion Ratio Lower Upper
112 100
77 66.4 55.4 83.0
114 31.3 29.3 35.8



#58
Ethyl Benzene
Concen: 8.982 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Tgt Ion: 91 Resp: 3190282
Ion Ratio Lower Upper
91 100
106 30.8 23.9 35.9

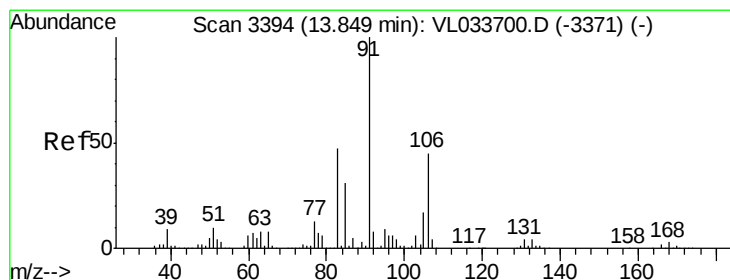
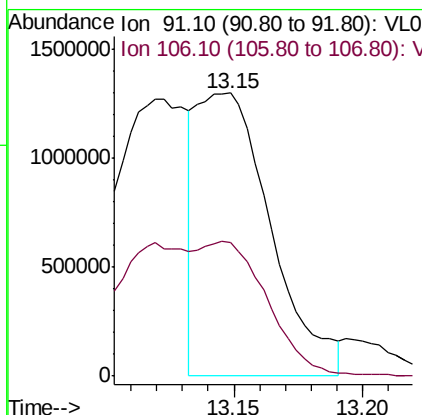
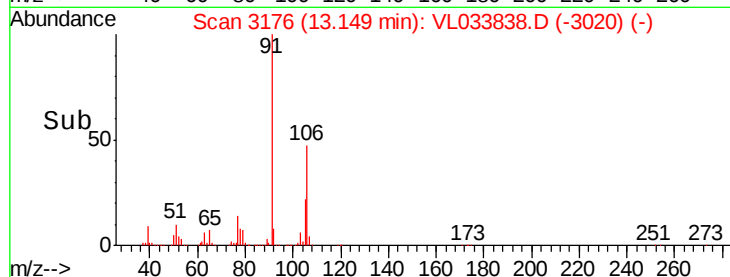
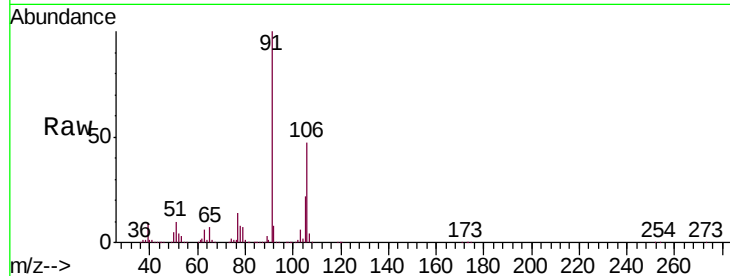




#59
m/p-Xylene
Concen: 8.280 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. 0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

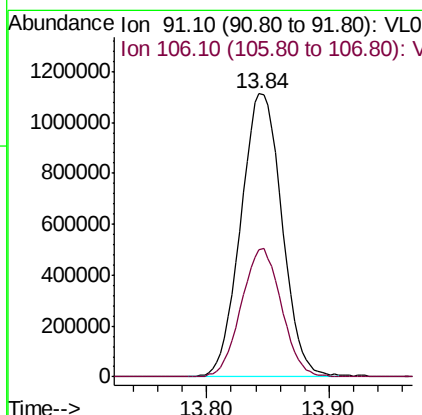
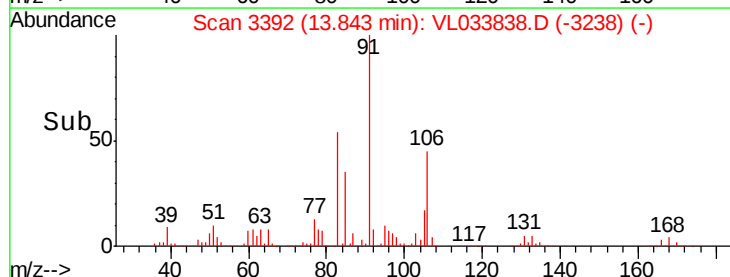
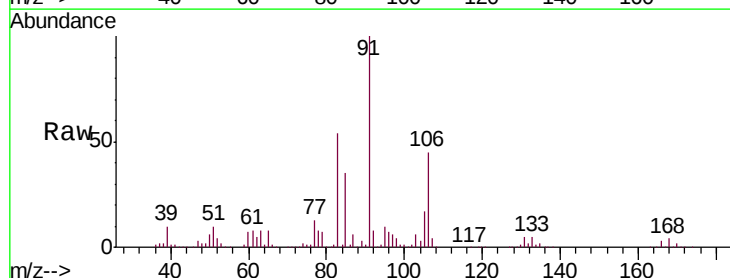
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

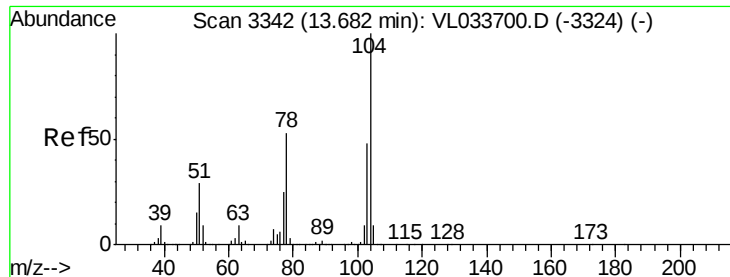
Tgt Ion: 91 Resp: 2570972
Ion Ratio Lower Upper
91 100
106 94.7 35.8 53.6#



#60
o-Xylene
Concen: 8.282 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Tgt Ion: 91 Resp: 2592282
Ion Ratio Lower Upper
91 100
106 44.4 21.6 64.8

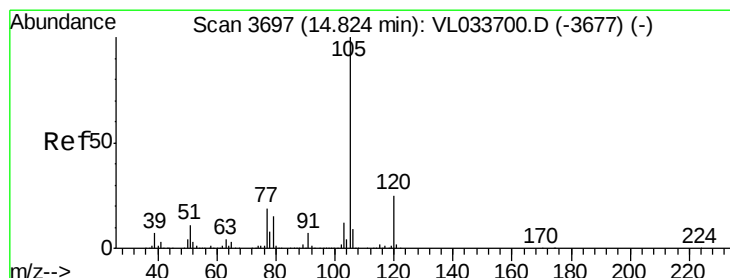
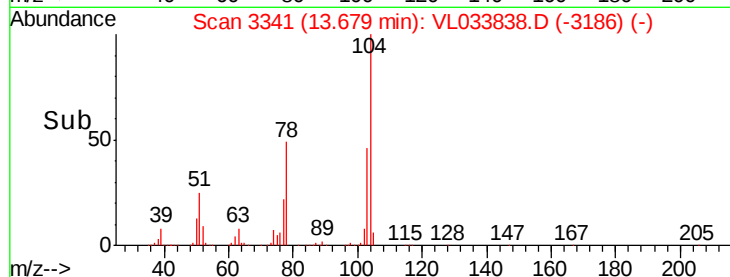
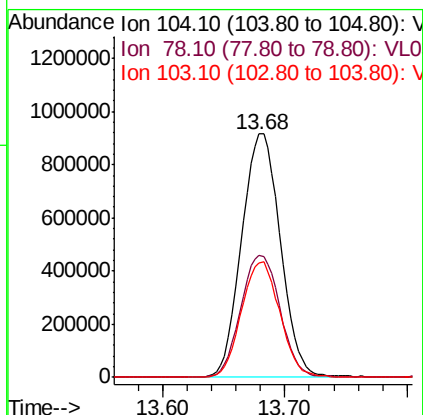
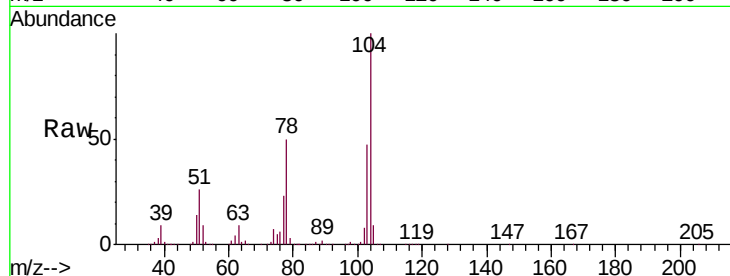




#61
Styrene
Concen: 9.535 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

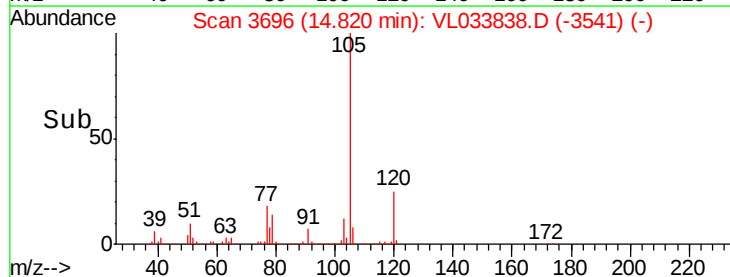
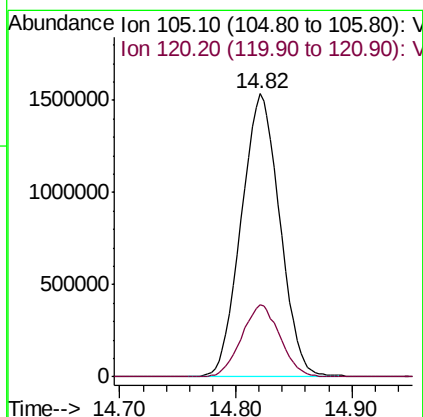
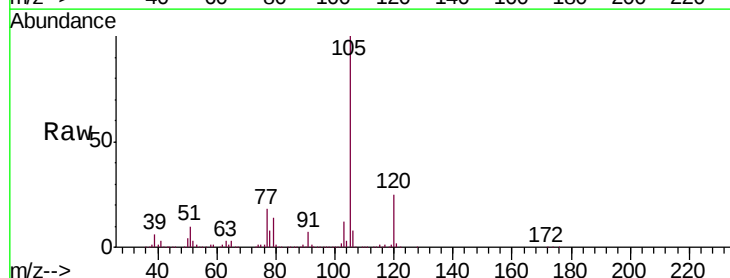
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

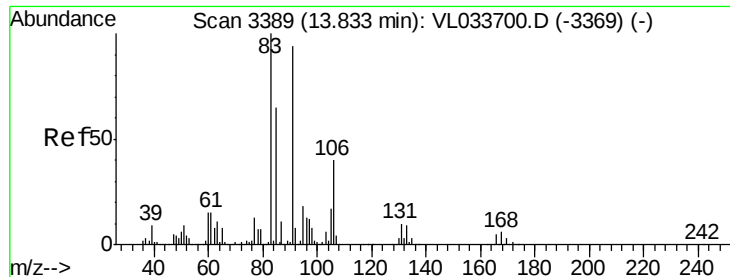
Tgt Ion:104 Resp: 2009487
Ion Ratio Lower Upper
104 100
78 50.9 42.6 64.0
103 47.0 37.8 56.6



#62
Isopropylbenzene
Concen: 8.420 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Tgt Ion:105 Resp: 3549095
Ion Ratio Lower Upper
105 100
120 25.4 20.1 30.1





#63

1,1,2,2-Tetrachloroethane

Concen: 7.988 ppbv

RT: 13.83 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

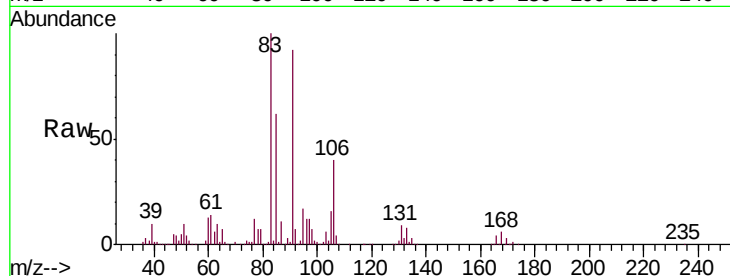
Tgt Ion: 83 Resp: 1818178

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.3

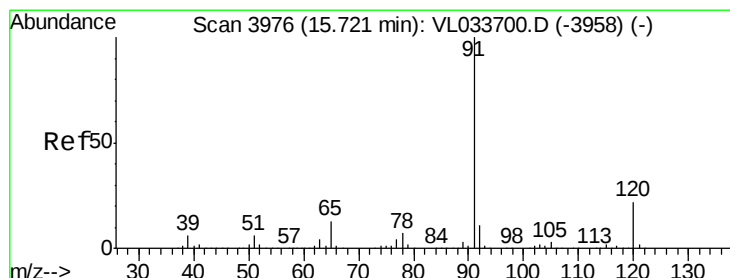
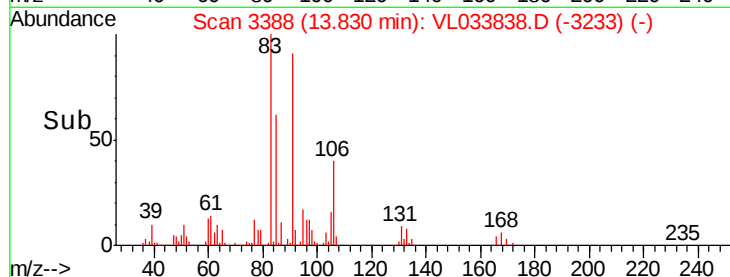
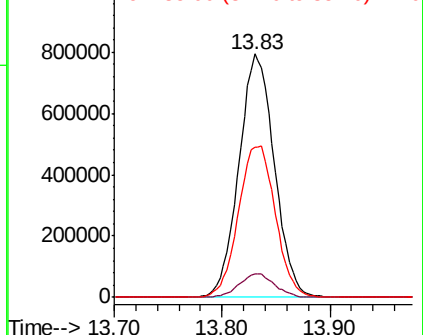
85 65.0 32.3 96.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.448 ppbv

RT: 15.72 min Scan# 3975

Delta R.T. -0.00 min

Lab File: VL033838.D

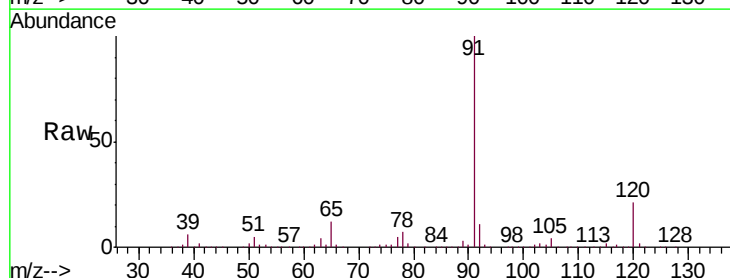
Acq: 29 May 2019 14:59

Tgt Ion: 120 Resp: 921189

Ion Ratio Lower Upper

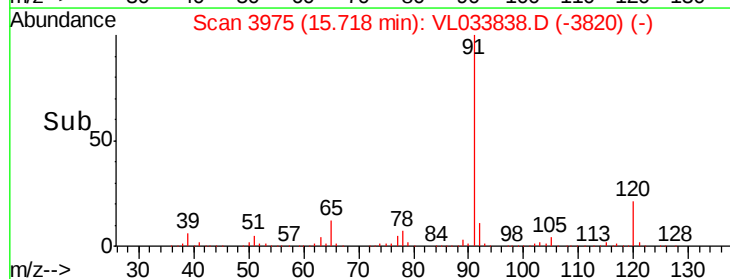
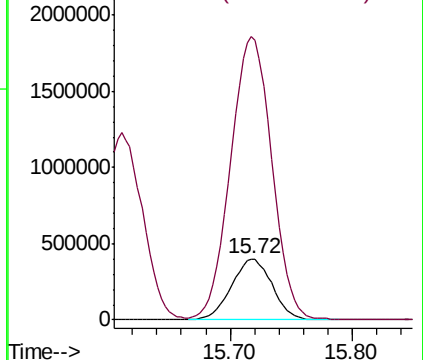
120 100

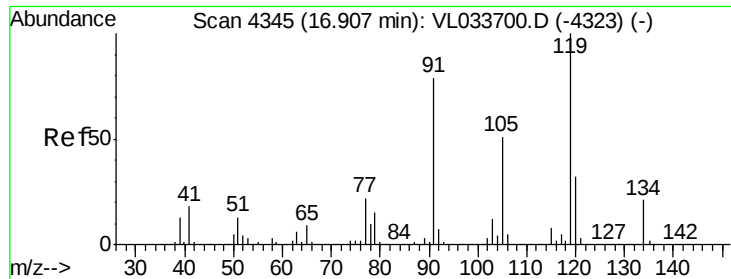
91 474.7 379.1 568.7



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

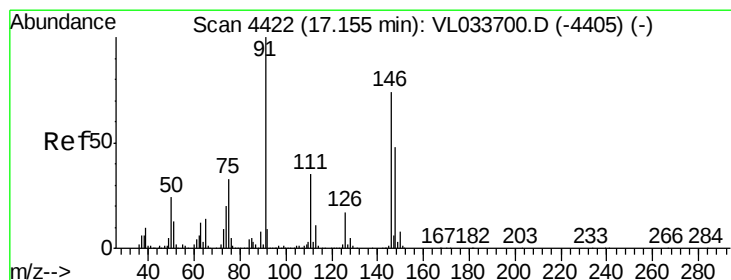
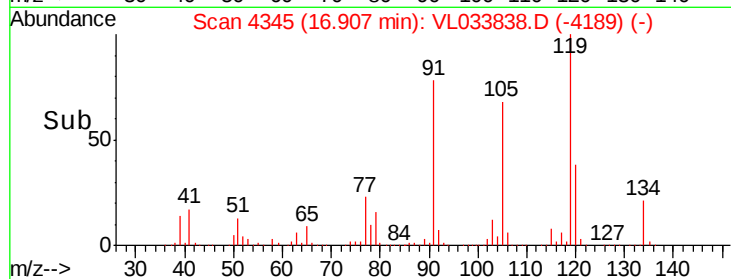
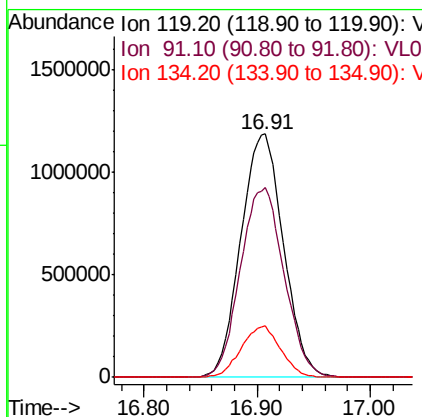
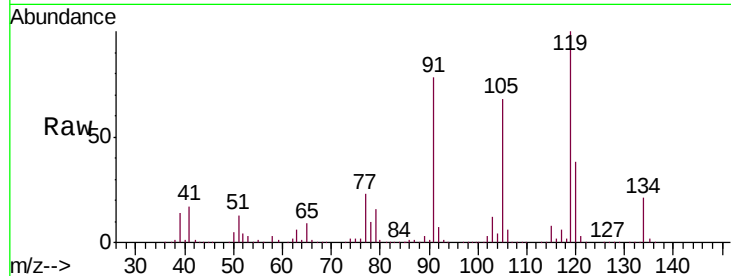




#65
 tert-Butylbenzene
 Concen: 8.085 ppbv
 RT: 16.91 min Scan# 4345
 Delta R.T. 0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

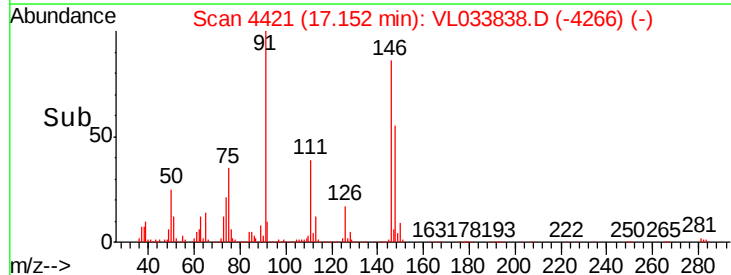
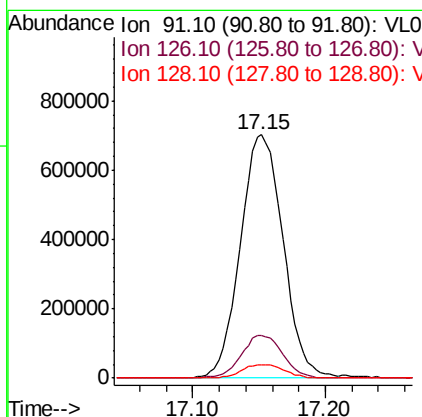
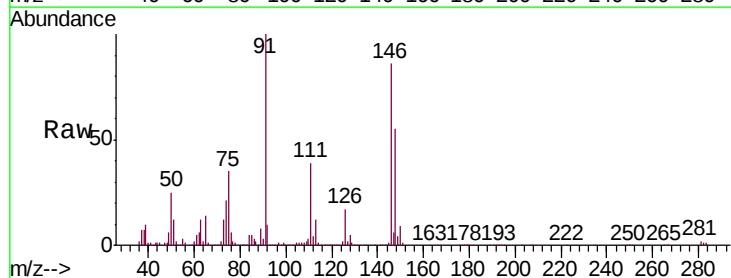
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

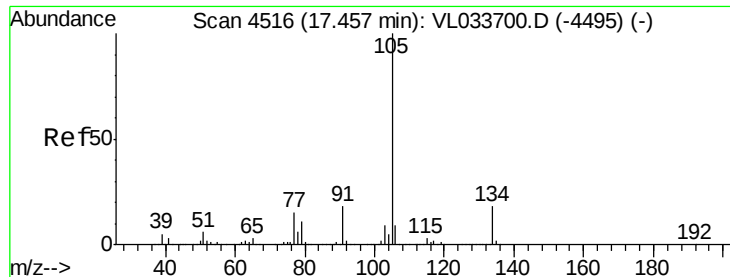
Tgt Ion: 119 Resp: 3111617
 Ion Ratio Lower Upper
 119 100
 91 80.0 65.3 97.9
 134 19.5 15.7 23.5



#66
 Benzyl Chloride
 Concen: 8.561 ppbv
 RT: 17.15 min Scan# 4421
 Delta R.T. -0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Tgt Ion: 91 Resp: 1569184
 Ion Ratio Lower Upper
 91 100
 126 17.2 13.5 20.3
 128 5.5 4.3 6.5

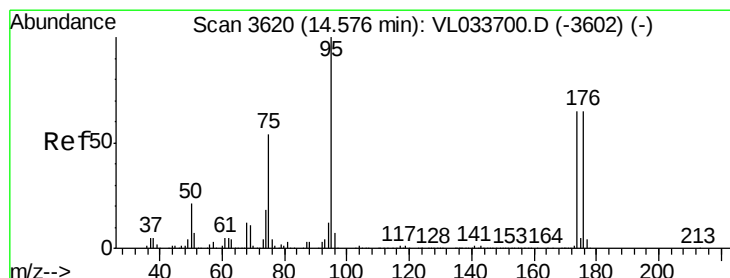
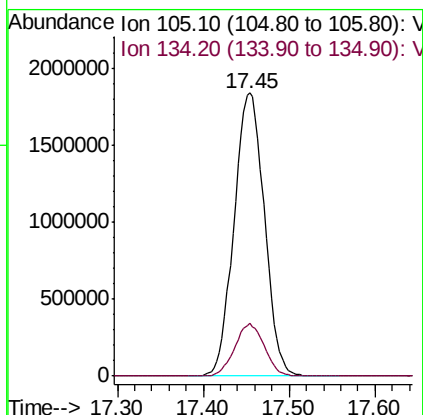
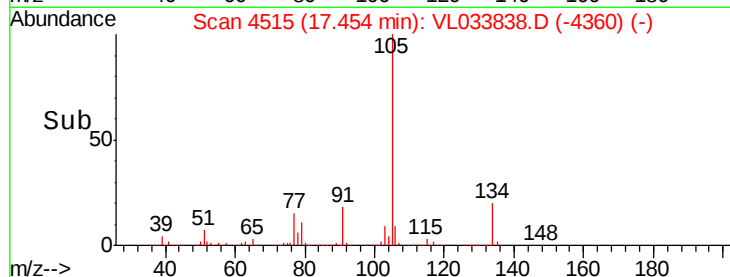
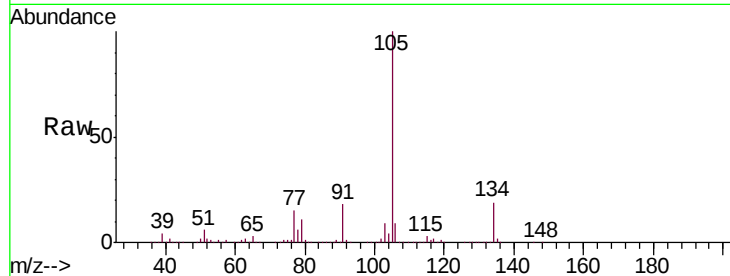




#67
 sec-Butylbenzene
 Concen: 8.368 ppbv
 RT: 17.45 min Scan# 4515
 Delta R.T. -0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

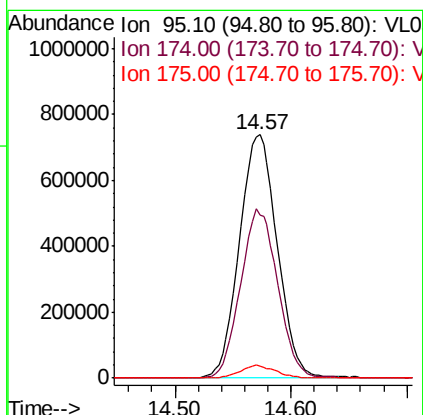
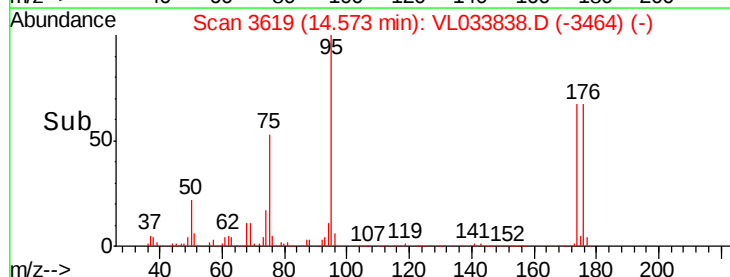
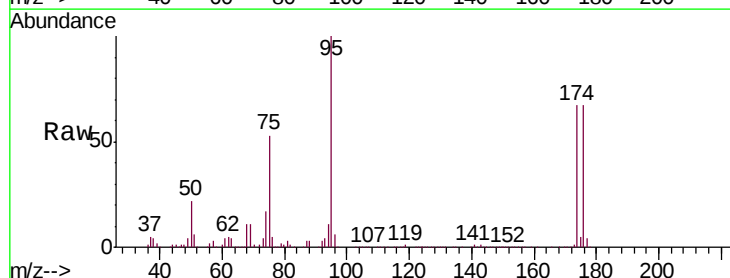
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

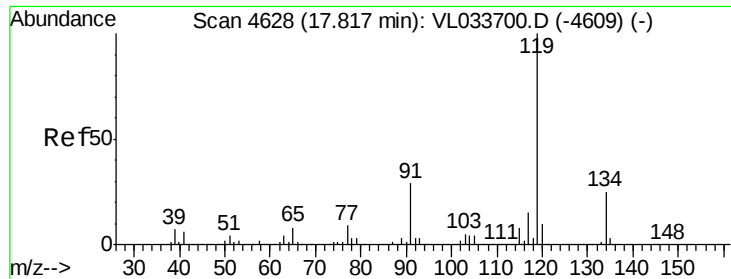
Tgt Ion:105 Resp: 4507385
 Ion Ratio Lower Upper
 105 100
 134 18.1 14.6 22.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.709 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. -0.00 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Tgt Ion: 95 Resp: 1676315
 Ion Ratio Lower Upper
 95 100
 174 69.0 53.9 80.9
 175 5.0 3.8 5.8

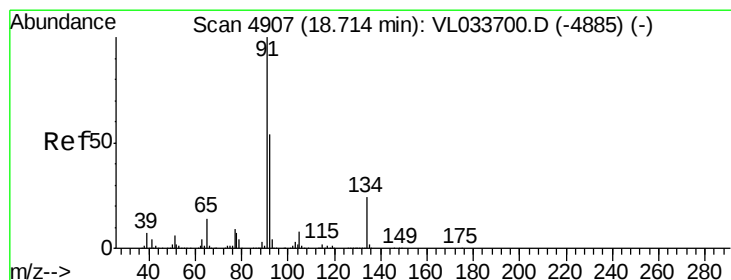
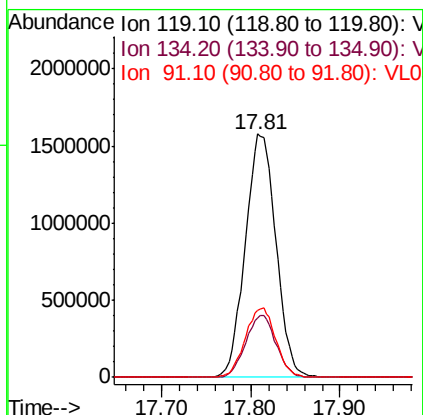
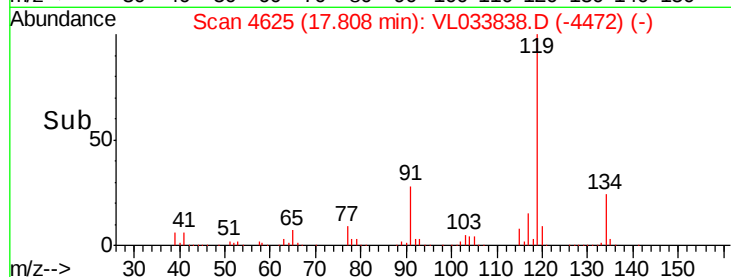
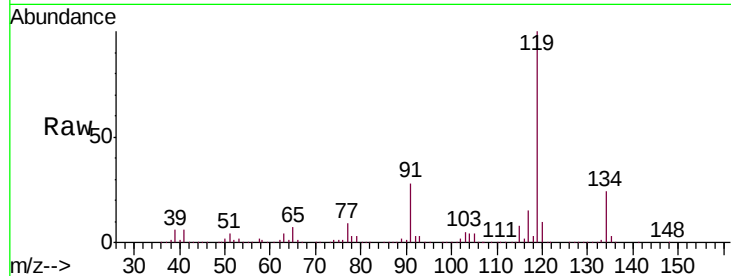




#69
 p-Isopropyltoluene
 Concen: 8.465 ppbv
 RT: 17.81 min Scan# 4625
 Delta R.T. -0.01 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

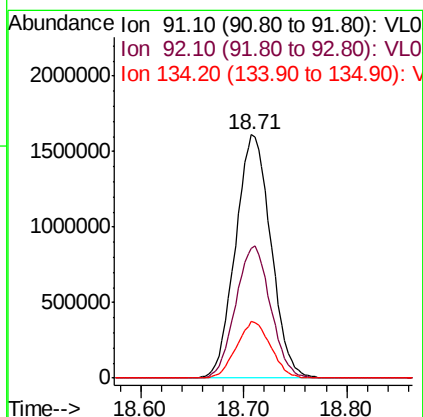
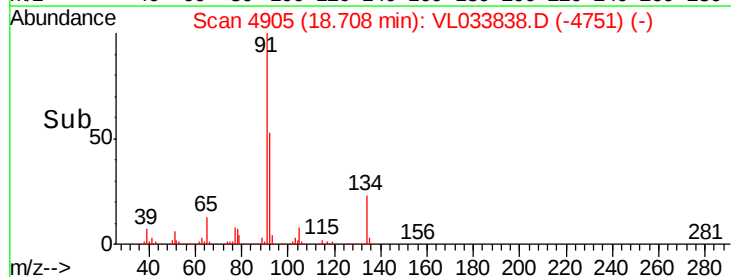
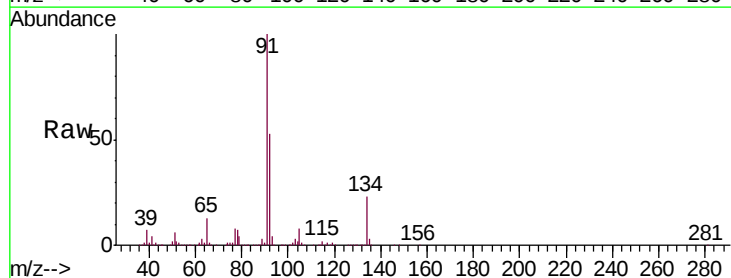
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

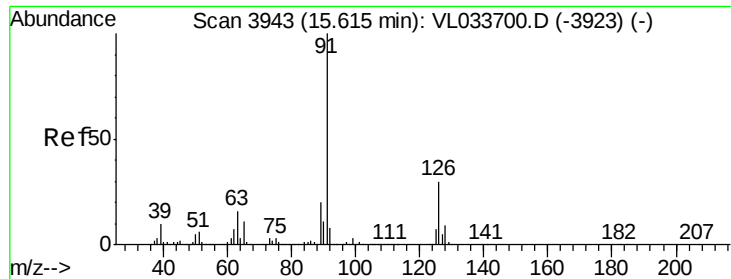
Tgt Ion: 119 Resp: 3768689
 Ion Ratio Lower Upper
 119 100
 134 25.2 20.3 30.5
 91 28.3 23.1 34.7



#70
 n-Butylbenzene
 Concen: 8.038 ppbv
 RT: 18.71 min Scan# 4905
 Delta R.T. -0.01 min
 Lab File: VL033838.D
 Acq: 29 May 2019 14:59

Tgt Ion: 91 Resp: 3837582
 Ion Ratio Lower Upper
 91 100
 92 53.7 42.6 63.8
 134 22.6 18.1 27.1





#71

2-Chlorotoluene

Concen: 8.938 ppbv

RT: 15.61 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

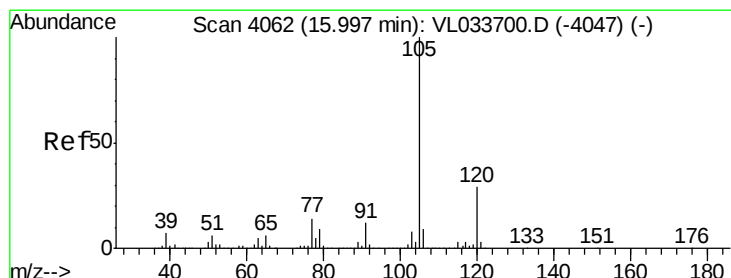
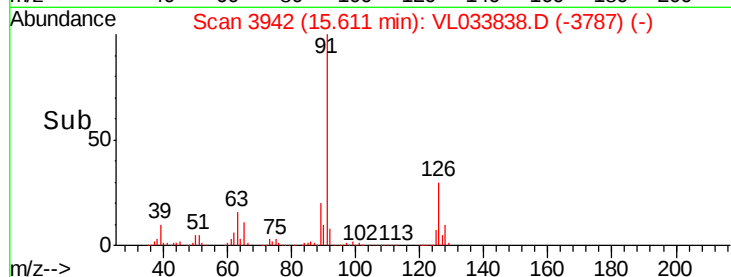
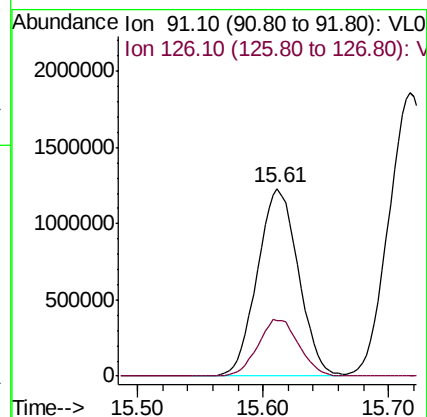
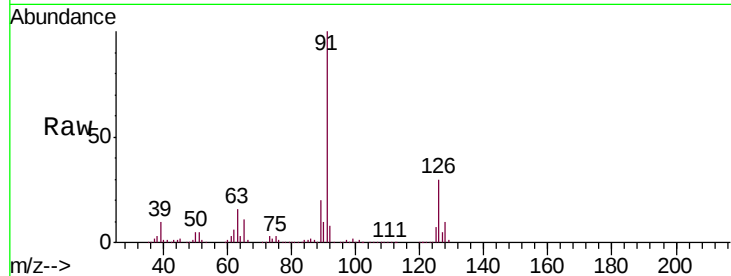
VSTDCCC010EC

Tgt Ion: 91 Resp: 2795363

Ion Ratio Lower Upper

91 100

126 30.3 12.0 47.8



#72

4-Ethyltoluene

Concen: 8.766 ppbv

RT: 15.99 min Scan# 4061

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Tgt Ion: 105 Resp: 3137054

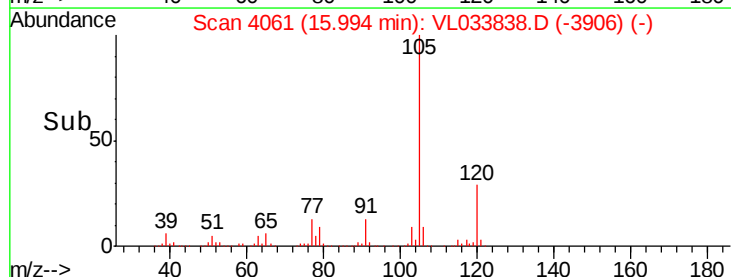
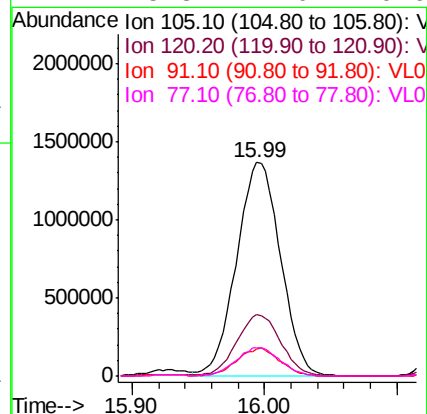
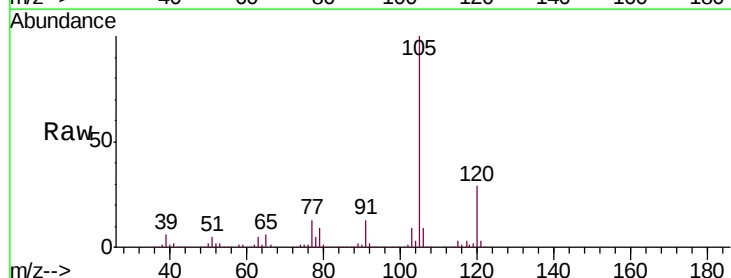
Ion Ratio Lower Upper

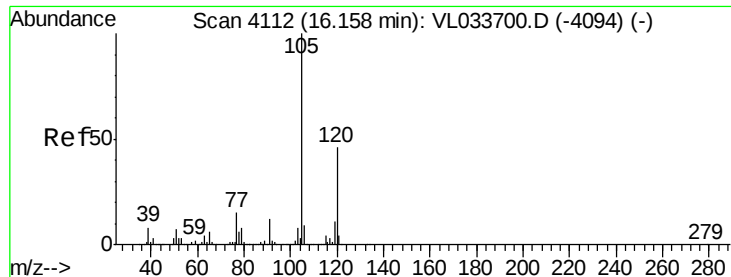
105 100

120 28.9 23.1 34.7

91 12.7 10.4 15.6

77 13.3 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 8.483 ppbv

RT: 16.15 min Scan# 4111

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

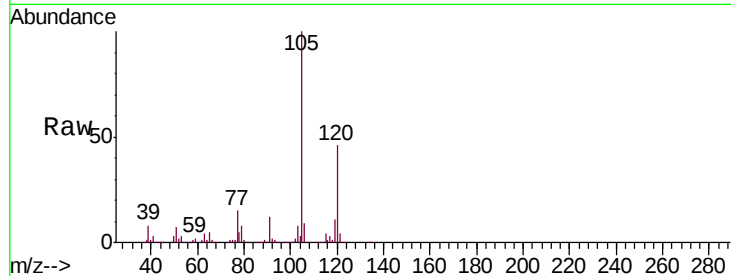
VSTDCCC010EC

Tgt Ion:105 Resp: 2962235

Ion Ratio Lower Upper

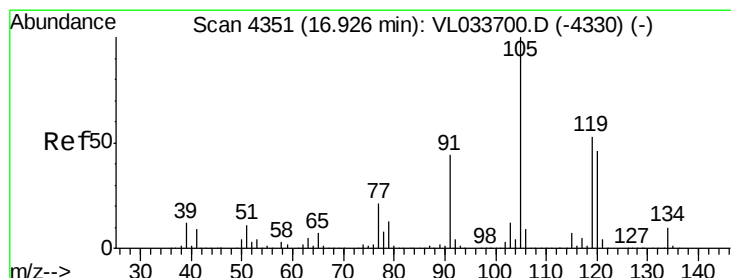
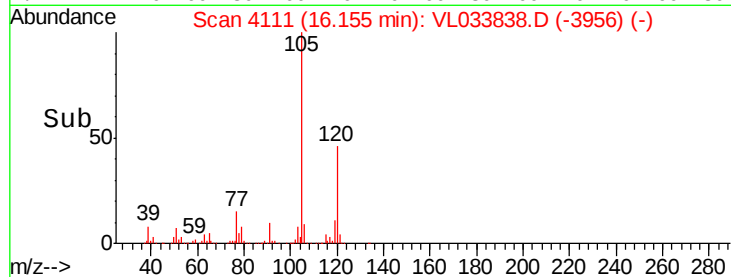
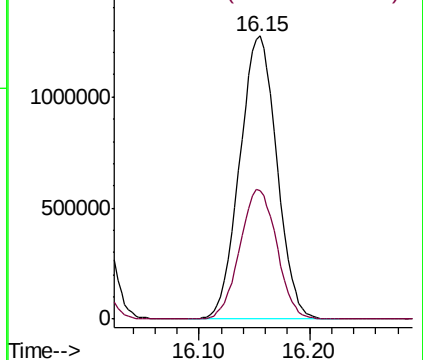
105 100

120 45.6 37.0 55.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.826 ppbv

RT: 16.92 min Scan# 4349

Delta R.T. -0.01 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Tgt Ion:105 Resp: 2973916

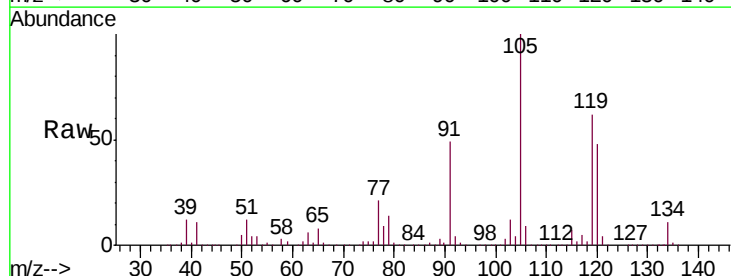
Ion Ratio Lower Upper

105 100

120 48.2 36.8 55.2

91 48.5 35.4 53.0

77 21.0 16.8 25.2

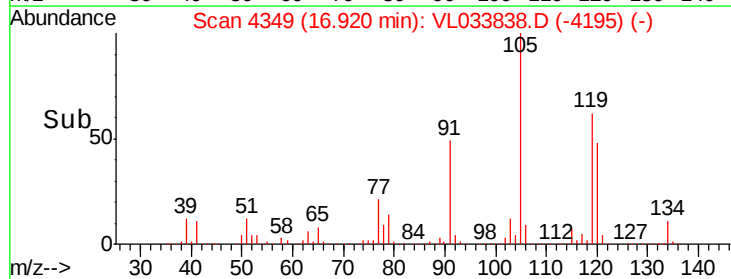
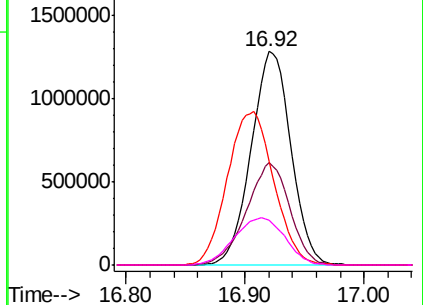


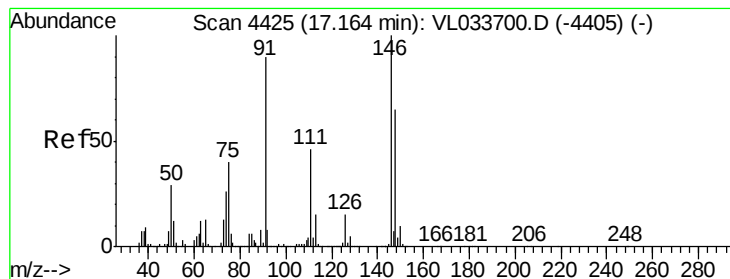
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V





#75

1,3-Dichlorobenzene

Concen: 7.691 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

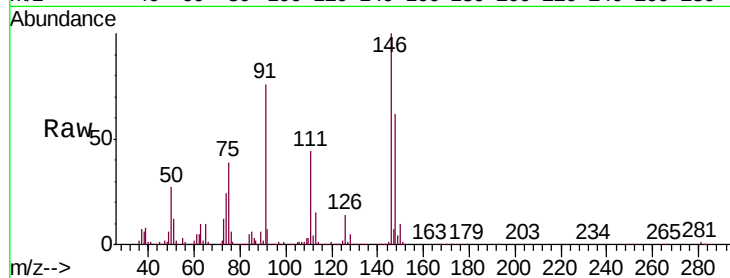
Tgt Ion:146 Resp: 1791067

Ion Ratio Lower Upper

146 100

111 43.7 22.9 68.8

148 63.5 32.0 96.2

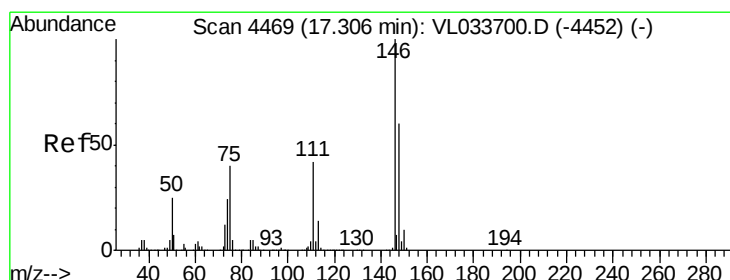
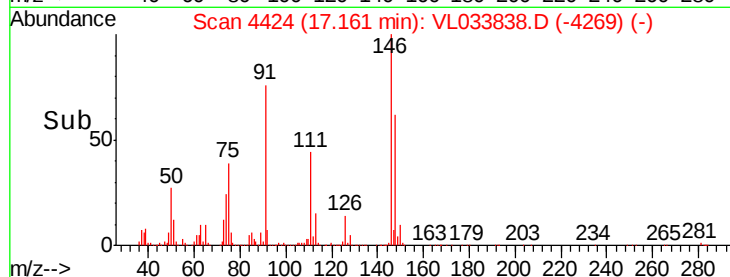
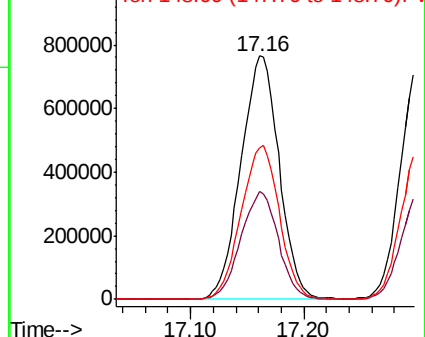


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.093 ppbv

RT: 17.30 min Scan# 4467

Delta R.T. -0.01 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

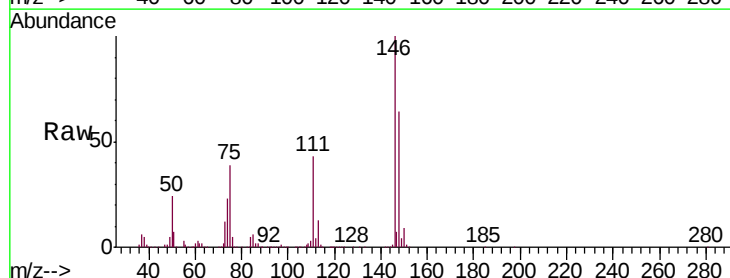
Tgt Ion:146 Resp: 1791130

Ion Ratio Lower Upper

146 100

111 43.4 21.9 65.8

148 64.3 32.1 96.3

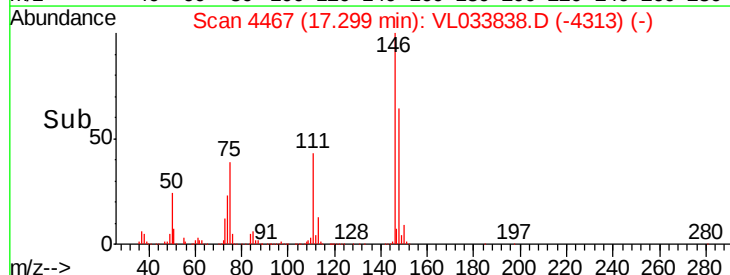
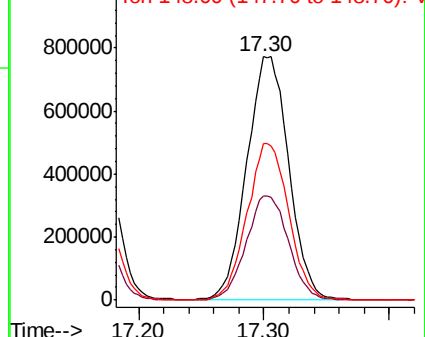


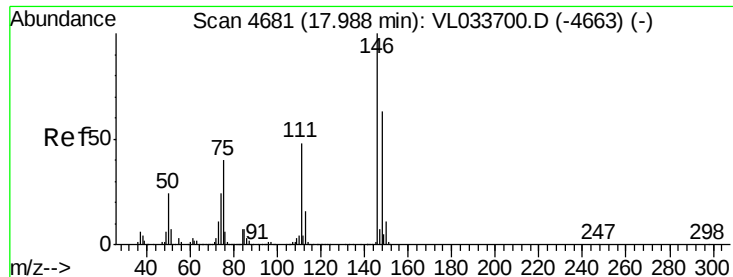
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.946 ppbv

RT: 17.98 min Scan# 4679

Delta R.T. -0.01 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

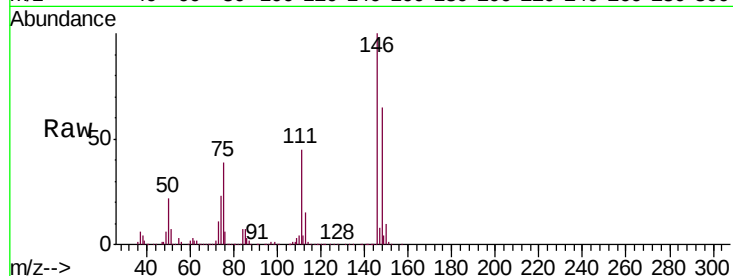
Tgt Ion:146 Resp: 1738737

Ion Ratio Lower Upper

146 100

111 46.0 23.5 70.5

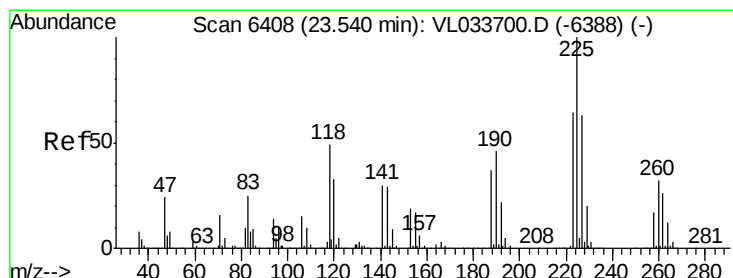
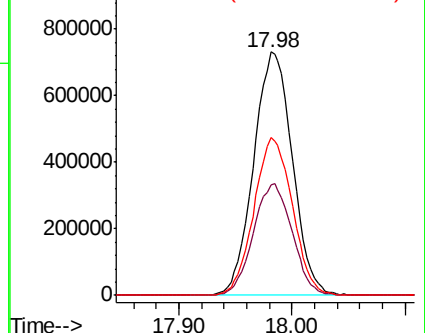
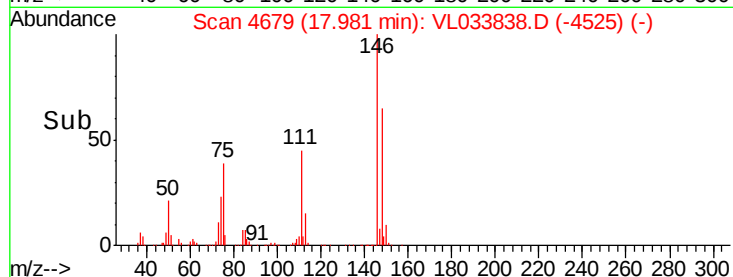
148 64.5 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.198 ppbv

RT: 23.54 min Scan# 6407

Delta R.T. -0.00 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

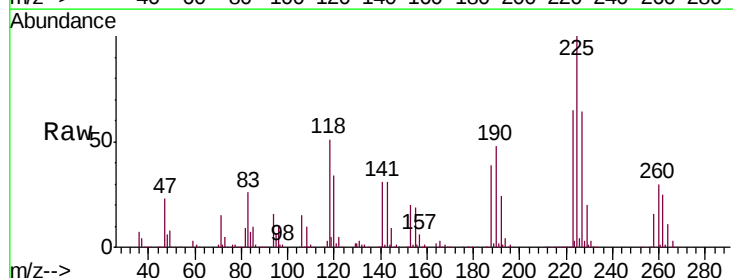
Tgt Ion:225 Resp: 1190791

Ion Ratio Lower Upper

225 100

223 63.5 50.2 75.4

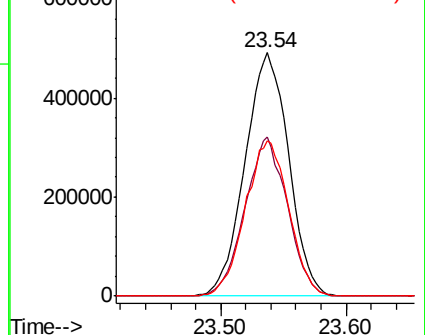
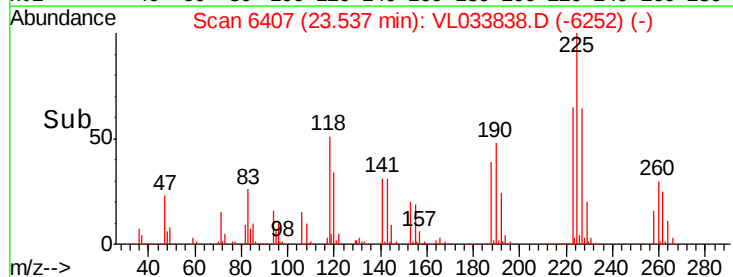
227 63.6 50.7 76.1

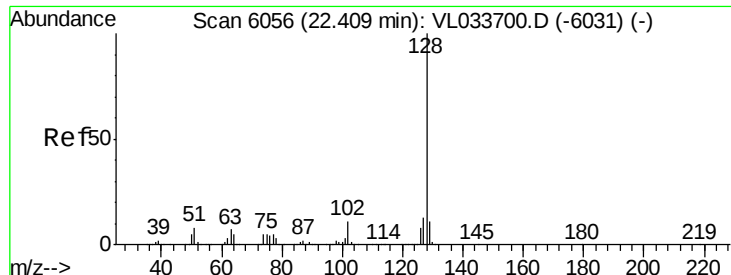


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

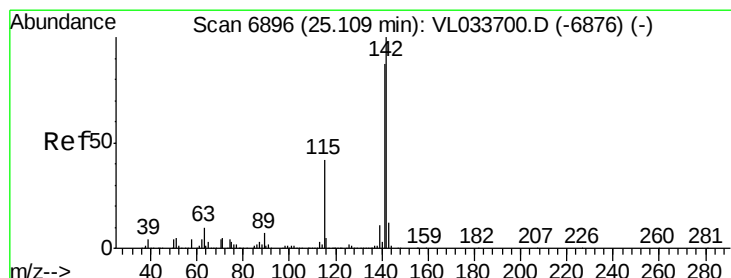
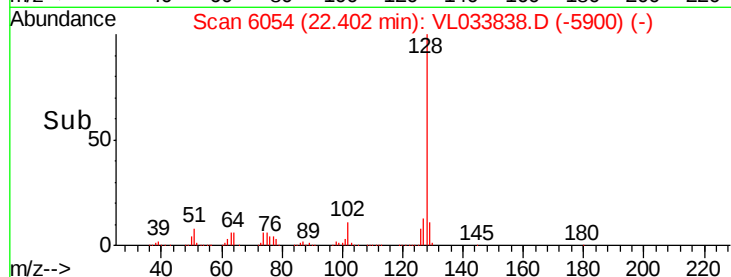
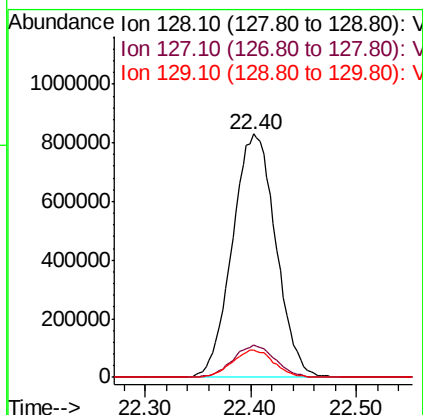
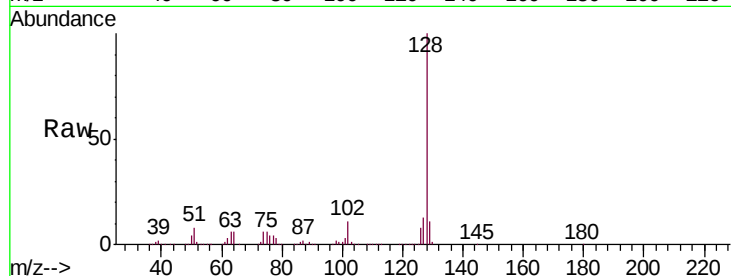




#79
Naphthalene
Concen: 6.691 ppbv
RT: 22.40 min Scan# 6054
Delta R.T. -0.01 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

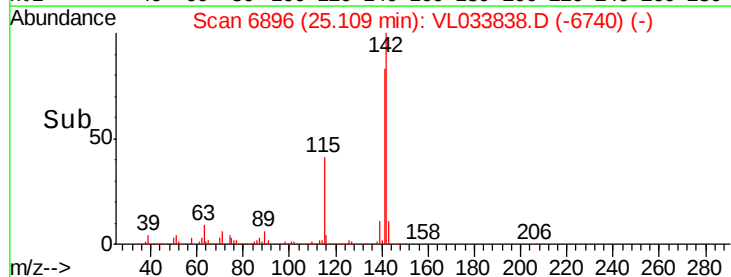
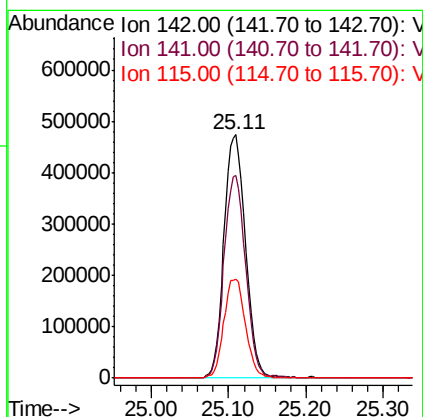
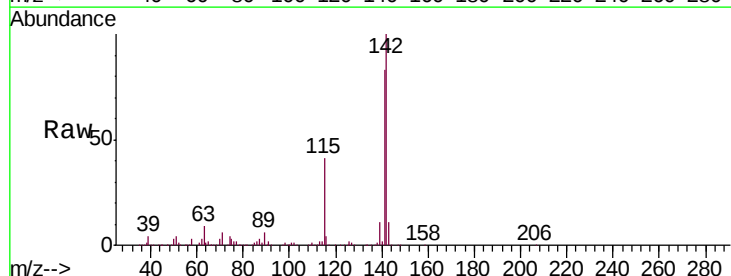
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

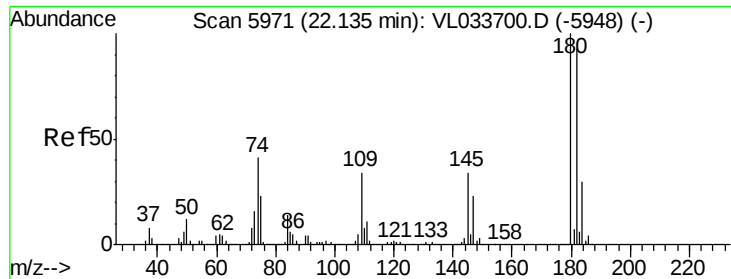
Tgt Ion:128 Resp: 2361764
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 11.3 8.9 13.3



#80
Naphthalene, 2-methyl-
Concen: 6.852 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. 0.00 min
Lab File: VL033838.D
Acq: 29 May 2019 14:59

Tgt Ion:142 Resp: 919003
Ion Ratio Lower Upper
142 100
141 83.7 67.2 100.8
115 40.6 34.1 51.1





#81

1,2,4-Trichlorobenzene

Concen: 6.673 ppbv

RT: 22.13 min Scan# 5969

Delta R.T. -0.01 min

Lab File: VL033838.D

Acq: 29 May 2019 14:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

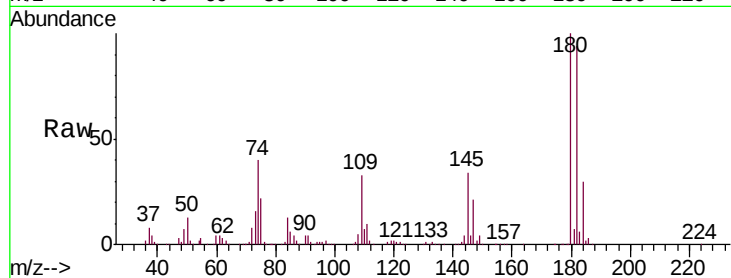
Tgt Ion:180 Resp: 1379209

Ion Ratio Lower Upper

180 100

182 95.3 76.1 114.1

184 30.4 24.6 37.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

