

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050219\
 Data File : VL033625.D
 Acq On : 2 May 2019 12:43
 Operator : SY/AP
 Sample : VL0502ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0502ABS01

Quant Time: May 03 02:26:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 02 06:29:02 2019
 QLast Update : Thu May 02 06:29:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1066956	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2639394	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3395417	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2222748	8.60	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	86.00%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1663198	10.344	ppbv	98
3) Chlorodifluoromethane	3.01	51	1222640	9.584	ppbv	98
4) Chloromethane	3.17	50	679577	9.780	ppbv	100
5) Vinyl Chloride	3.29	62	670356	9.196	ppbv	97
6) Bromomethane	3.51	94	441028	10.280	ppbv	98
7) Chloroethane	3.60	64	262663	10.808	ppbv	99
8) Dichlorotetrafluoroethane	3.22	85	1709511	9.772	ppbv	98
9) Propene	3.03	41	520190	14.241	ppbv	87
10) Heptane	8.25	43	1404803	10.400	ppbv	99
11) Trichlorofluoromethane	4.00	101	2062121	10.790	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1362815	10.397	ppbv	99
13) Ethanol	3.65	45	147764	8.922	ppbv	97
14) Bromoethene	3.79	108	570964	10.612	ppbv	98
15) Acetone	3.90	43	1285744	9.898	ppbv	99
16) 1,3-Butadiene	3.36	39	629677	10.771	ppbv	99
17) tert-Butyl alcohol	4.35	59	1284553	11.453	ppbv	100
18) 1,1-Dichloroethene	4.35	96	610223	10.713	ppbv	95
19) Isopropyl Alcohol	4.02	45	1037298	11.635	ppbv	100
20) Methylene Chloride	4.41	84	507118	10.017	ppbv	98
21) Allyl Chloride	4.48	41	894747	10.950	ppbv	99
22) trans-1,2-Dichloroethene	4.96	96	621735	11.145	ppbv	96
23) Vinyl Acetate	5.16	43	2026736	10.492	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1403053	9.757	ppbv	99
25) Ethyl Acetate	5.77	43	2374604	9.632	ppbv	100
26) Hexane	5.78	57	1032295	9.944	ppbv	99
27) Carbon Disulfide	4.62	76	1494762	11.890	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1815524	10.371	ppbv	99
29) Chloroform	5.85	83	1790985	9.414	ppbv	98
30) Cyclohexane	7.24	84	941651	10.715	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1092579	10.428	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1904834	9.566	ppbv	99
34) 2-Butanone	5.33	43	1579655	9.749	ppbv	99
35) Carbon Tetrachloride	7.13	117	2015513	9.639	ppbv	98
36) Benzene	7.00	78	2275362	10.118	ppbv	98
37) 1,2-Dichloroethane	6.41	62	1415542	9.473	ppbv	99
38) Trichloroethene	7.96	130	909304	10.138	ppbv	98
39) 1,2-Dichloropropane	7.73	63	841018	9.917	ppbv	98
40) 1,4-Dioxane	7.95	88	379107	11.002	ppbv	90
41) Tetrahydrofuran	6.15	42	903138	10.437	ppbv	99
42) Bromodichloromethane	7.92	83	2008358	9.931	ppbv	99
43) Methyl Methacrylate	8.14	69	907860	10.661	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3793676	9.680	ppbv	99
45) t-1,3-Dichloropropene	9.41	75	1248143	11.035	ppbv	99
46) cis-1,3-Dichloropropene	8.83	75	1408363	11.039	ppbv	98
47) 1,1,2-Trichloroethane	9.61	97	943916	8.534	ppbv	99
48) Dibromochloromethane	10.45	129	1739137	9.297	ppbv	99
49) Bromoform	13.20	173	1514703	10.569	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	2451157	9.654	ppbv	100
51) 2-Hexanone	10.27	43	2054974	9.219	ppbv	99
52) Tetrachloroethene	11.37	164	890917	10.304	ppbv	98
53) Toluene	9.94	91	2698452	9.508	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1523844	10.017	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.28	131	1159571	7.928	ppbv	100
57) Chlorobenzene	12.30	112	2054498	7.884	ppbv	97
58) Ethyl Benzene	12.86	91	3702972	9.471	ppbv	99
59) m/p-Xylene	13.15	91	2891564	8.597	ppbv #	100
60) o-Xylene	13.85	91	3082082	9.071	ppbv	99
61) Styrene	13.68	104	2356829	10.149	ppbv	100
62) Isopropylbenzene	14.82	105	4042308	8.902	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	2090307	7.881	ppbv	100
64) n-propylbenzene	15.72	120	1058898	8.991	ppbv	99
65) tert-Butylbenzene	16.90	119	3684751	8.677	ppbv	99
66) Benzyl Chloride	17.15	91	2010267	10.439	ppbv	100
67) sec-Butylbenzene	17.46	105	5136054	8.612	ppbv	99
69) p-Isopropyltoluene	17.81	119	4299695	8.666	ppbv	100
70) n-Butylbenzene	18.71	91	4470060	8.279	ppbv	100
71) 2-Chlorotoluene	15.61	91	3097458	9.120	ppbv	99
72) 4-Ethyltoluene	16.00	105	3570308	9.225	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	3367909	8.849	ppbv	100
74) 1,2,4-Trimethylbenzene	16.92	105	3558833	8.384	ppbv	95
75) 1,3-Dichlorobenzene	17.16	146	2086840	7.897	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	2092137	8.303	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1982758	8.066	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1828403	9.728	ppbv	100
79) Naphthalene	22.41	128	4133615	10.559	ppbv	98
80) Naphthalene,2-methyl-	25.11	142	2053352	12.099	ppbv	99
81) 1,2,4-Trichlorobenzene	22.13	180	2102999	9.264	ppbv	99

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

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 ClientSampleId :
 VL0502ABS01

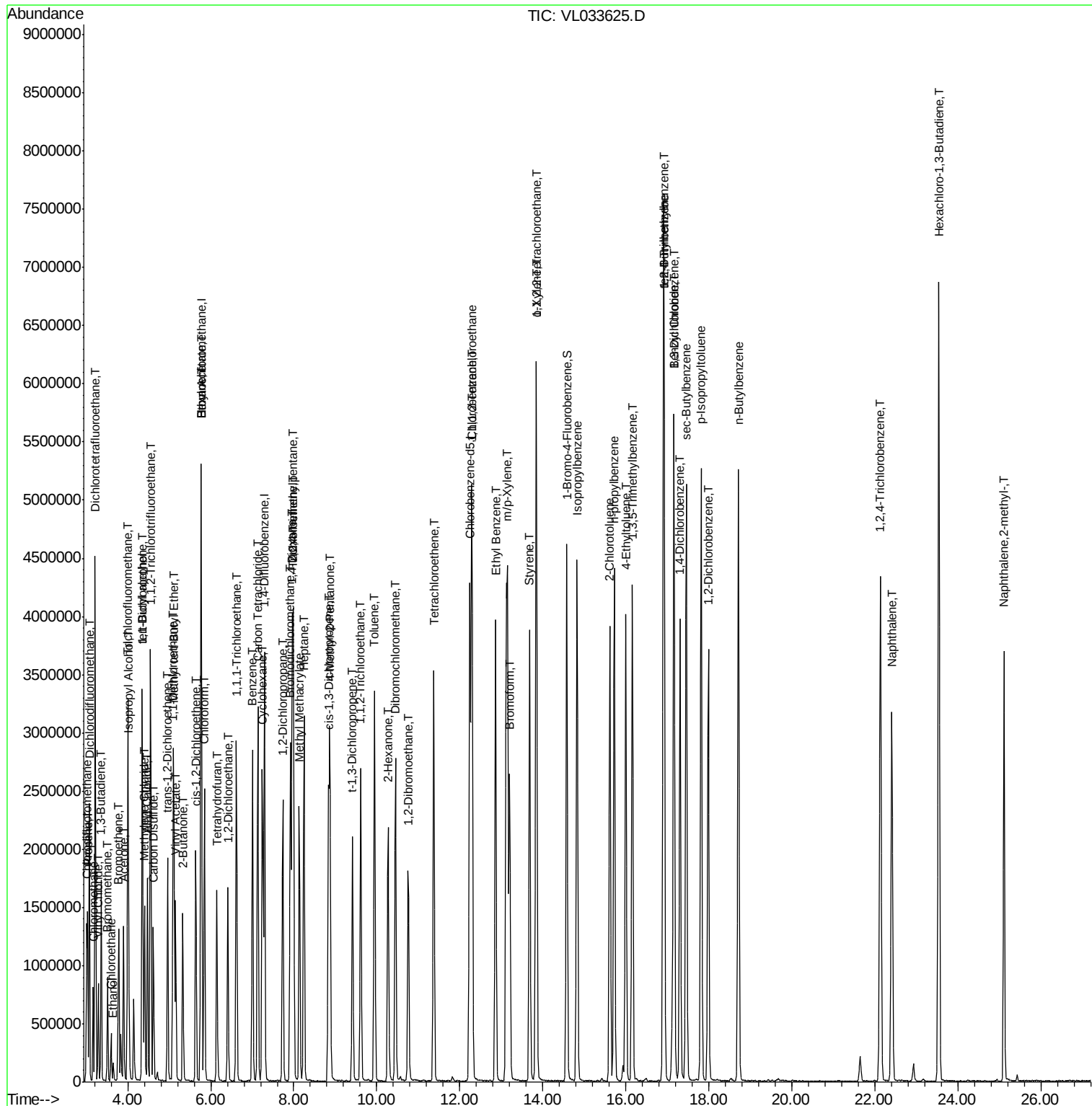
Quant Time: May 03 02:26:57 2019

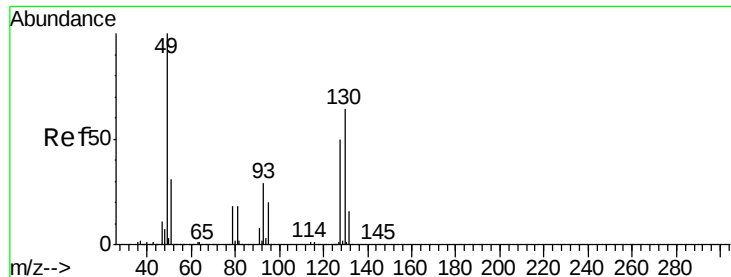
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL050119AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 02 06:29:02 2019

QLast Update : Thu May 02 06:29:02 2019

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL0502ABS01

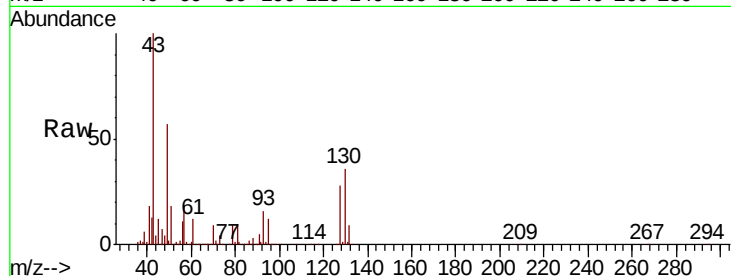
Tgt Ion: 49 Resp: 1066956

Ion	Ratio	Lower	Upper
49	100		
128	50.0	25.0	75.0
130	63.9	31.9	95.9

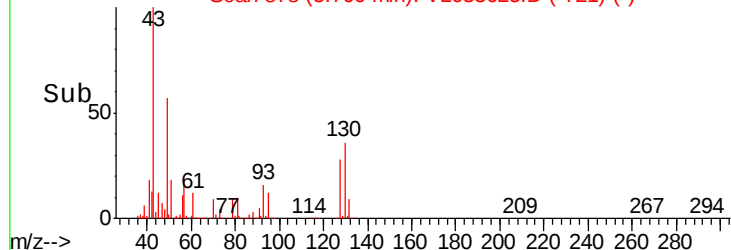
49 100

128 50.0 25.0 75.0

130 63.9 31.9 95.9



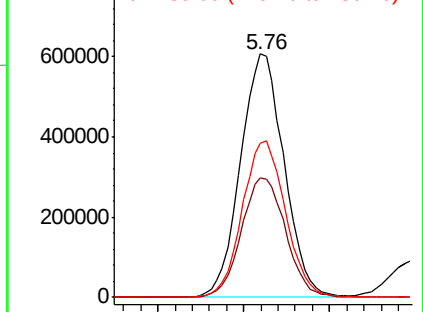
Scan 878 (5.760 min): VL033625.D (-721) (-)



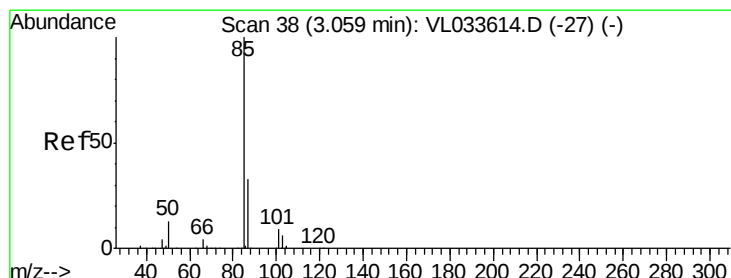
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 10.344 ppbv

RT: 3.08 min Scan# 43

Delta R.T. 0.02 min

Lab File: VL033625.D

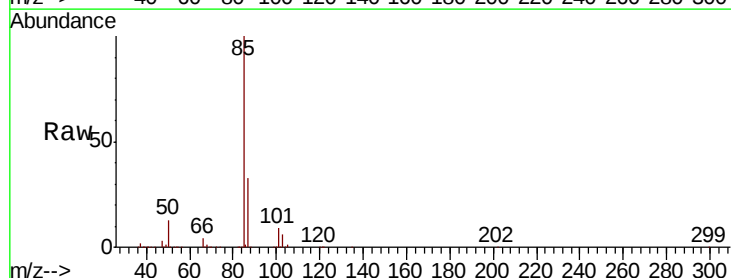
Acq: 2 May 2019 12:43

Tgt Ion: 85 Resp: 1663198

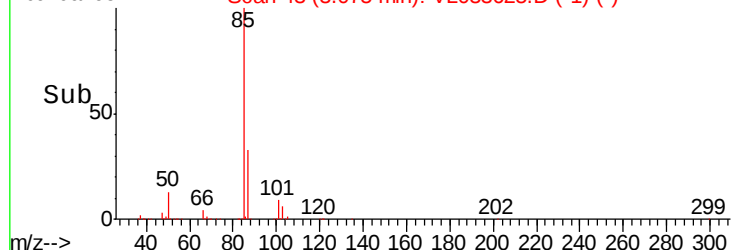
Ion	Ratio	Lower	Upper
85	100		
87	32.6	26.8	40.2

85 100

87 32.6 26.8 40.2

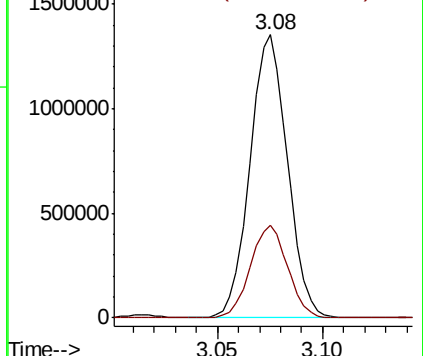


Scan 43 (3.075 min): VL033625.D (-1) (-)

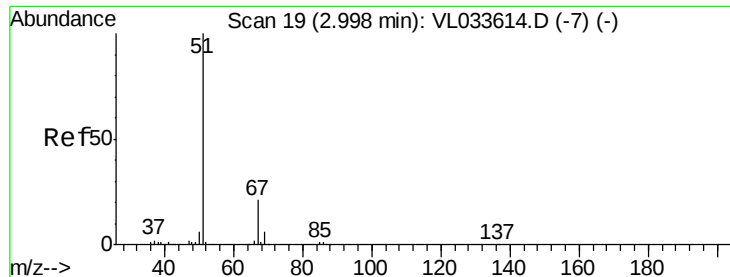


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



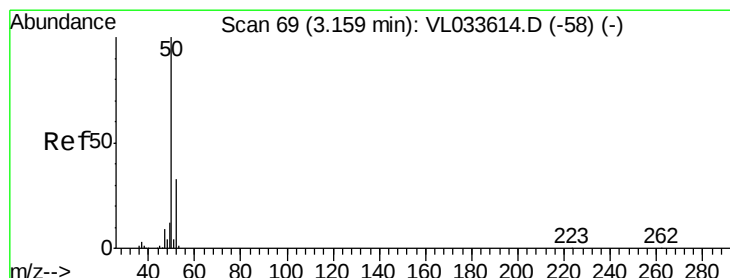
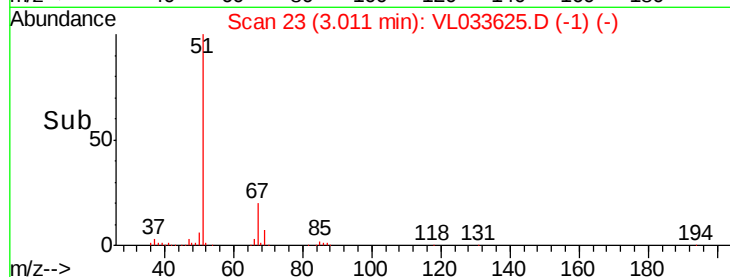
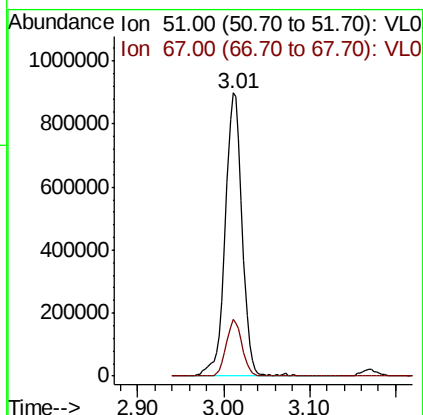
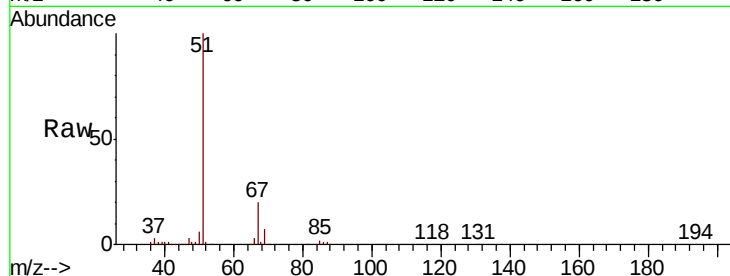
Time-->



#3
 Chlorodifluoromethane
 Concen: 9.584 ppbv
 RT: 3.01 min Scan# 23
 Delta R.T. 0.01 min
 Lab File: VL033625.D
 Acq: 2 May 2019 12:43

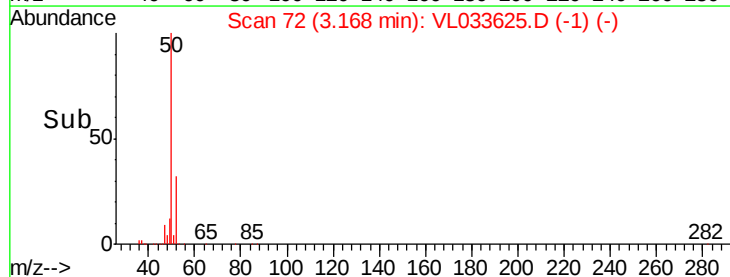
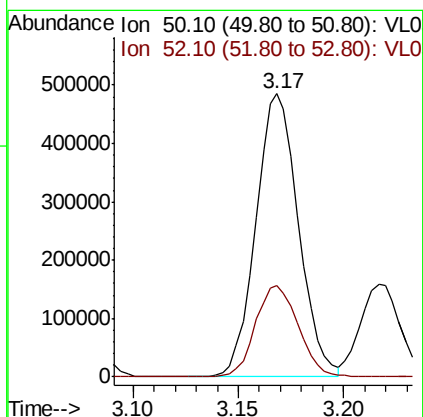
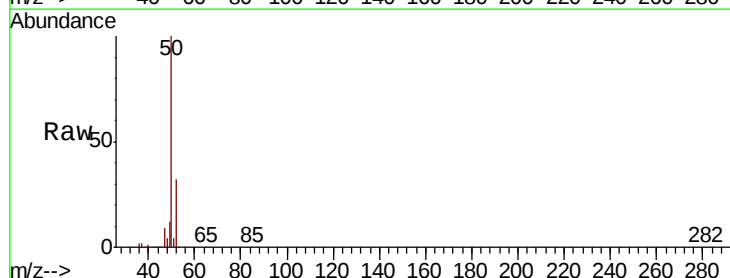
Instrument :
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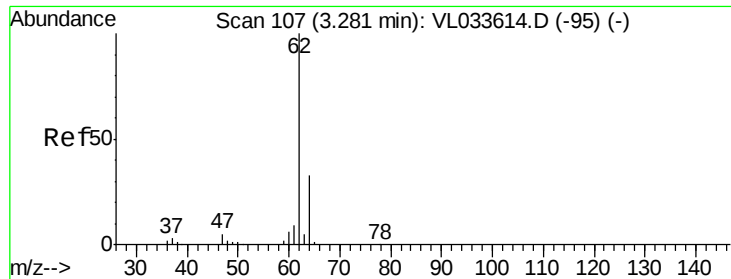
Tgt Ion: 51 Resp: 1222640
 Ion Ratio Lower Upper
 51 100
 67 18.8 15.6 23.4



#4
 Chloromethane
 Concen: 9.780 ppbv
 RT: 3.17 min Scan# 72
 Delta R.T. 0.01 min
 Lab File: VL033625.D
 Acq: 2 May 2019 12:43

Tgt Ion: 50 Resp: 679577
 Ion Ratio Lower Upper
 50 100
 52 32.3 26.0 39.0





#5

Vinyl Chloride

Concen: 9.196 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

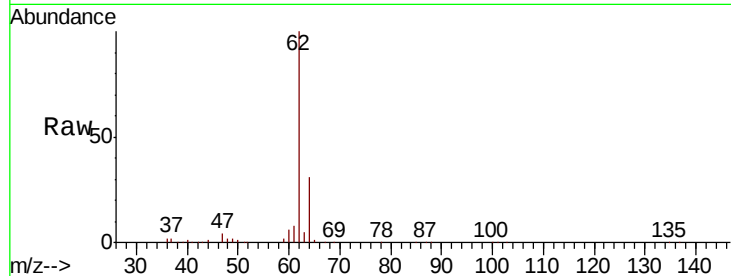
VL0502ABS01

Tgt Ion: 62 Resp: 670356

Ion Ratio Lower Upper

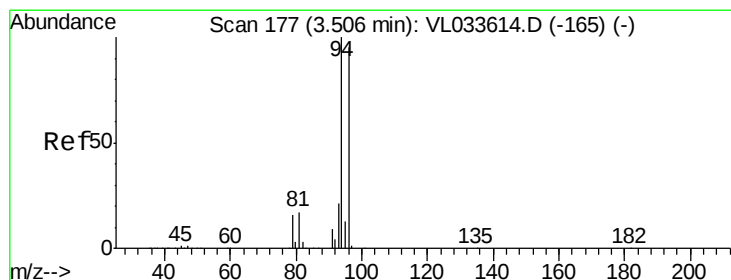
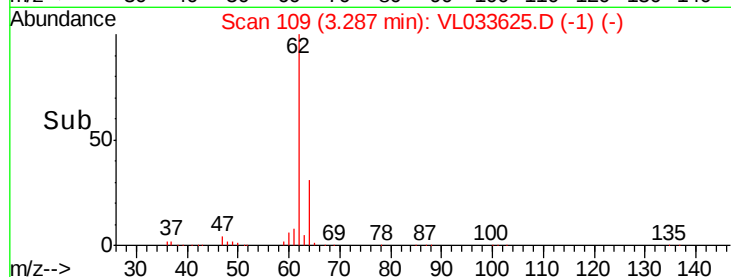
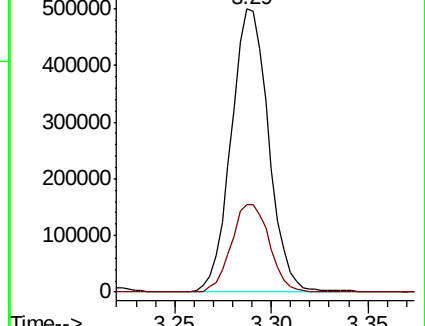
62 100

64 30.9 26.2 39.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.280 ppbv

RT: 3.51 min Scan# 179

Delta R.T. 0.01 min

Lab File: VL033625.D

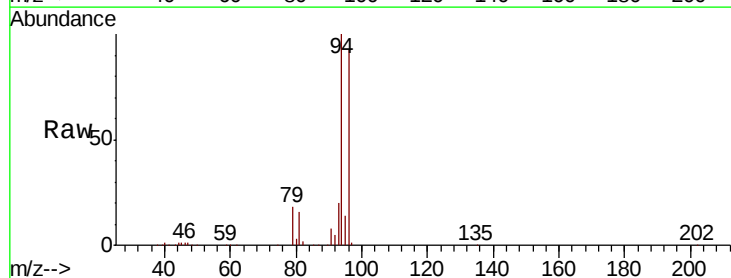
Acq: 2 May 2019 12:43

Tgt Ion: 94 Resp: 441028

Ion Ratio Lower Upper

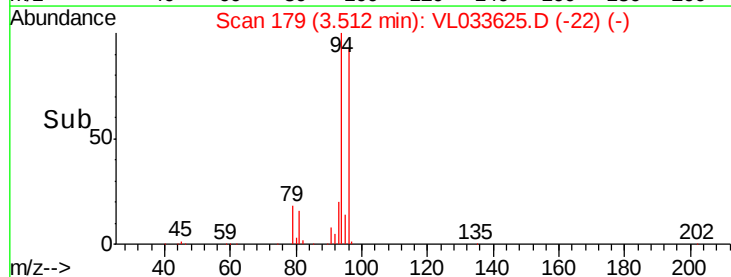
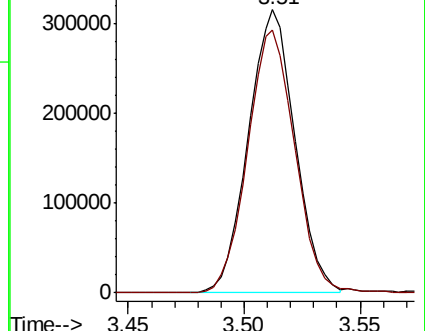
94 100

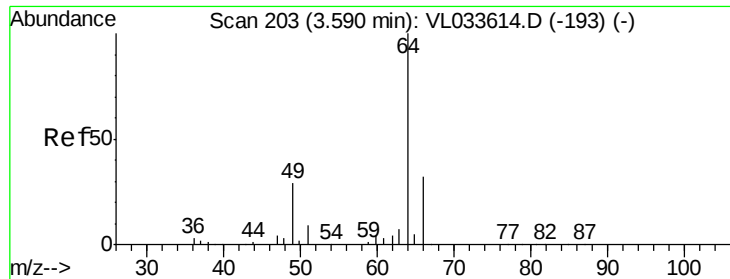
96 92.6 75.7 113.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.808 ppbv

RT: 3.60 min Scan# 206

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

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MSVOA_L

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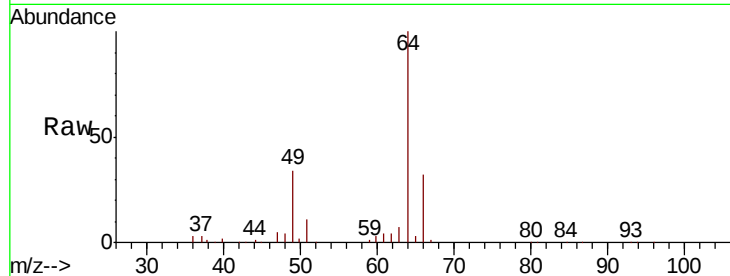
VL0502ABS01

Tgt Ion: 64 Resp: 262663

Ion Ratio Lower Upper

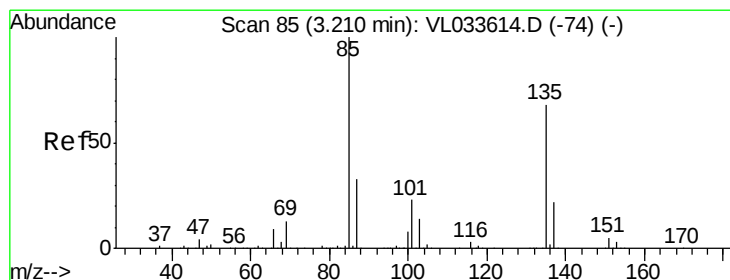
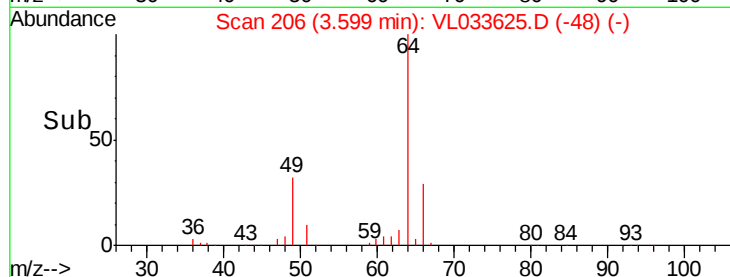
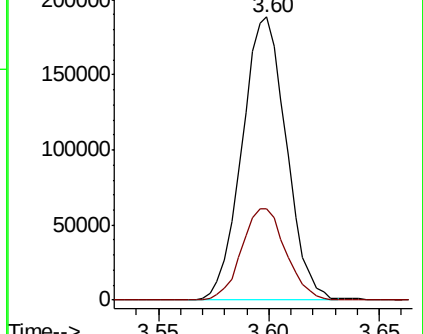
64 100

66 32.2 25.4 38.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.772 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.01 min

Lab File: VL033625.D

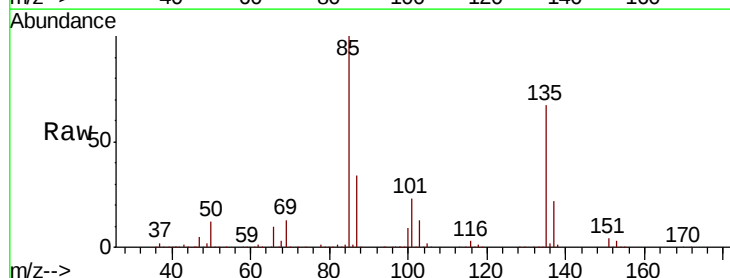
Acq: 2 May 2019 12:43

Tgt Ion: 85 Resp: 1709511

Ion Ratio Lower Upper

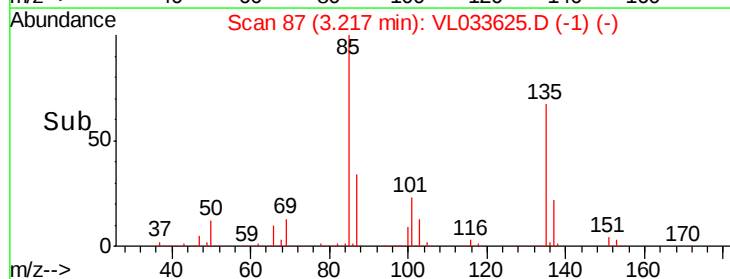
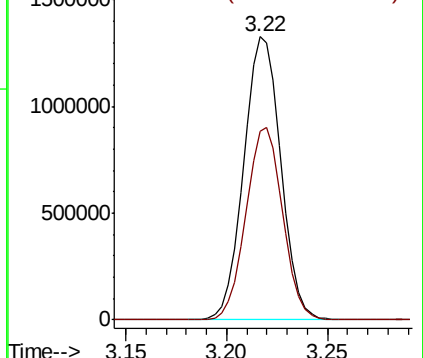
85 100

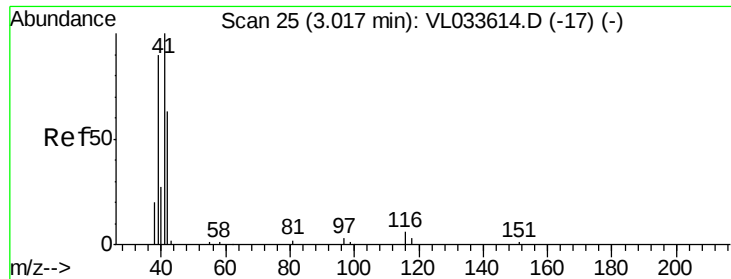
135 67.6 55.0 82.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 14.241 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.02 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

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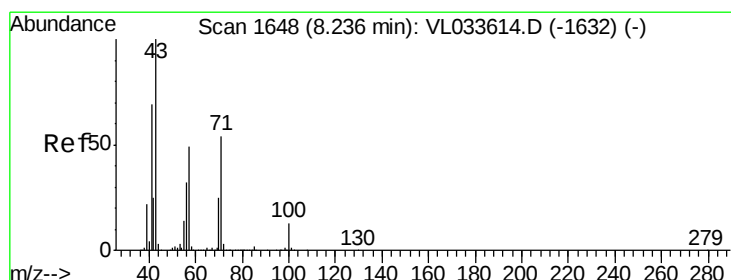
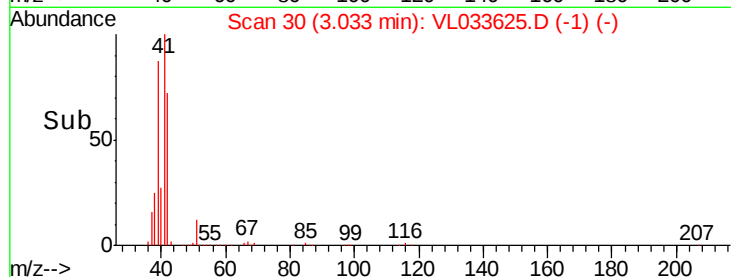
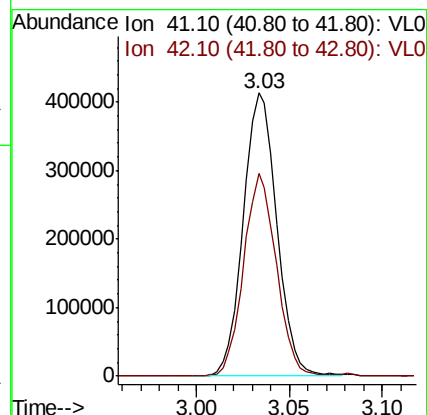
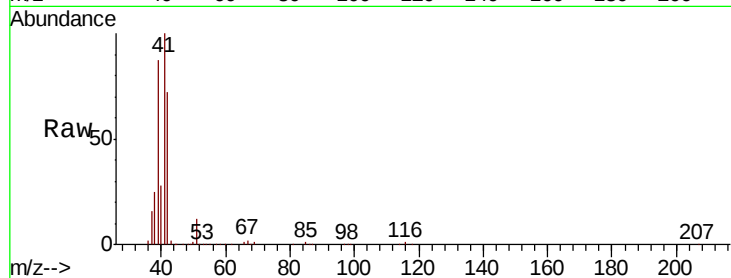
VL0502ABS01

Tgt Ion: 41 Resp: 520190

Ion Ratio Lower Upper

41 100

42 70.5 66.0 99.0



#10

Heptane

Concen: 10.400 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. 0.01 min

Lab File: VL033625.D

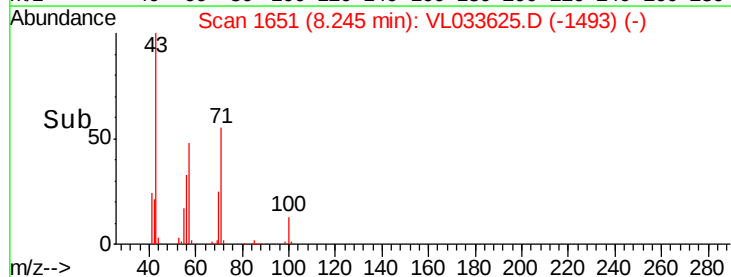
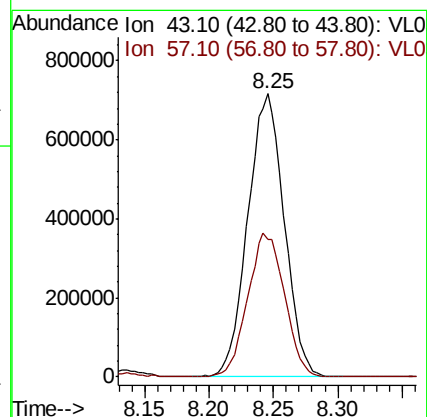
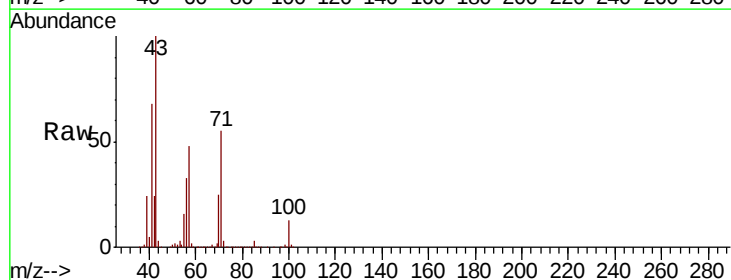
Acq: 2 May 2019 12:43

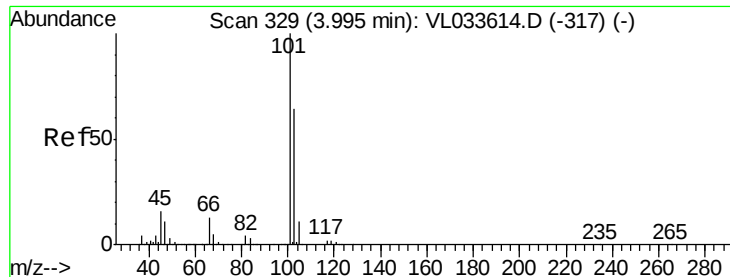
Tgt Ion: 43 Resp: 1404803

Ion Ratio Lower Upper

43 100

57 51.3 40.3 60.5





#11

Trichlorofluoromethane

Concen: 10.790 ppbv

RT: 4.00 min Scan# 331

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

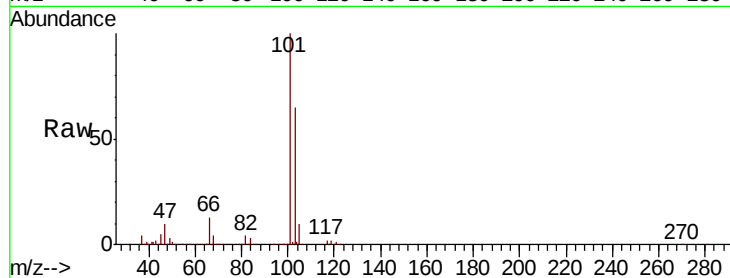
VL0502ABS01

Tgt Ion:101 Resp: 2062121

Ion Ratio Lower Upper

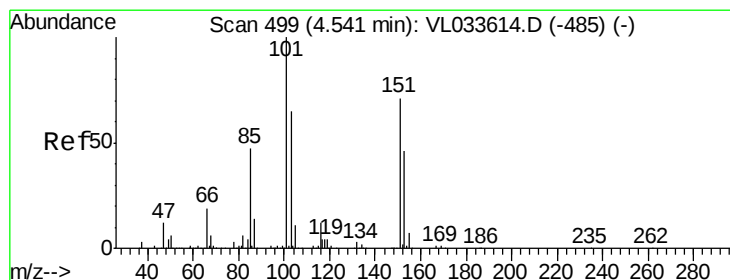
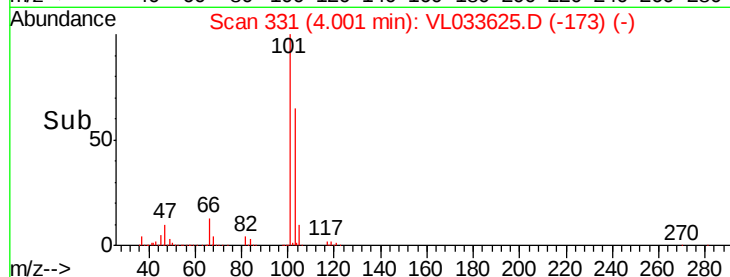
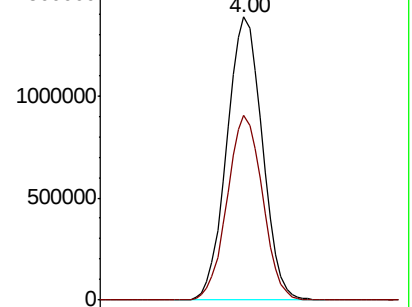
101 100

103 65.5 51.2 76.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.397 ppbv

RT: 4.55 min Scan# 501

Delta R.T. 0.01 min

Lab File: VL033625.D

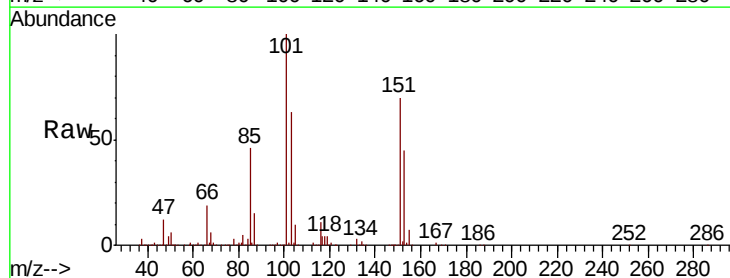
Acq: 2 May 2019 12:43

Tgt Ion:101 Resp: 1362815

Ion Ratio Lower Upper

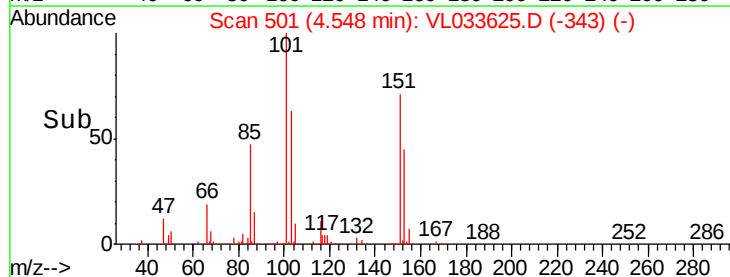
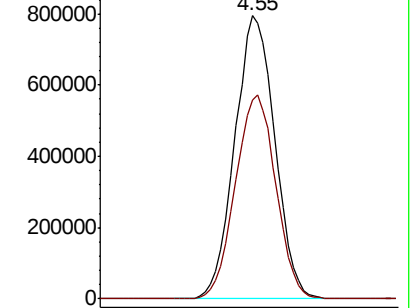
101 100

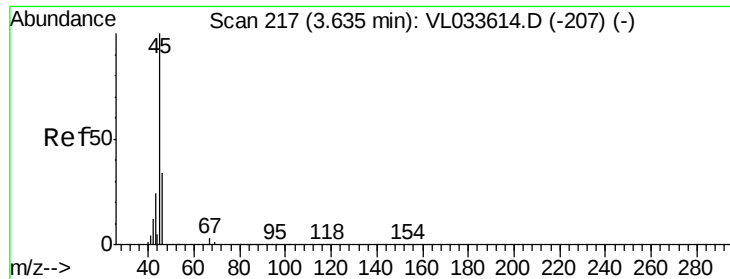
151 72.9 59.2 88.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.922 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.02 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

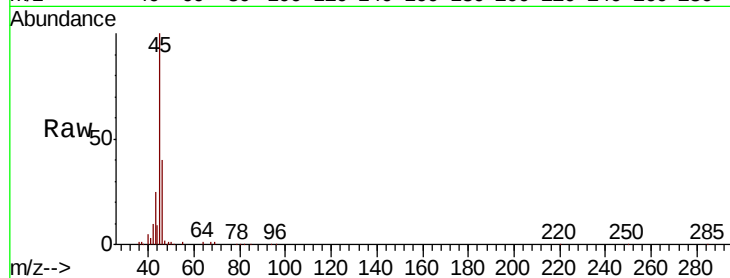
VL0502ABS01

Tgt Ion: 45 Resp: 147764

Ion Ratio Lower Upper

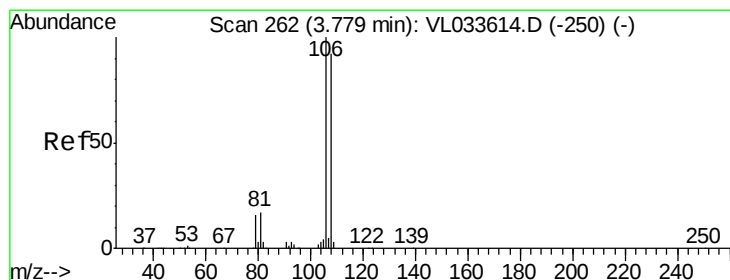
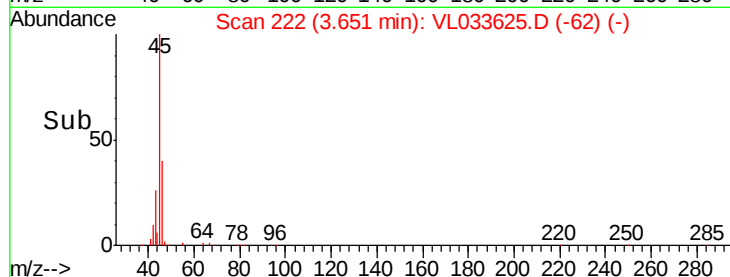
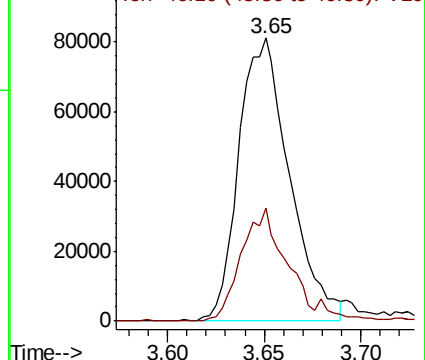
45 100

46 38.2 14.6 58.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.612 ppbv

RT: 3.79 min Scan# 264

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

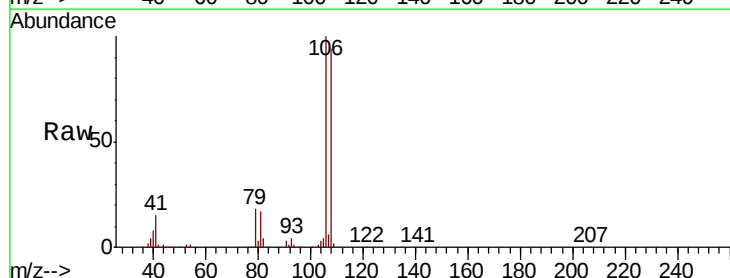
Tgt Ion: 108 Resp: 570964

Ion Ratio Lower Upper

108 100

106 107.8 84.6 127.0

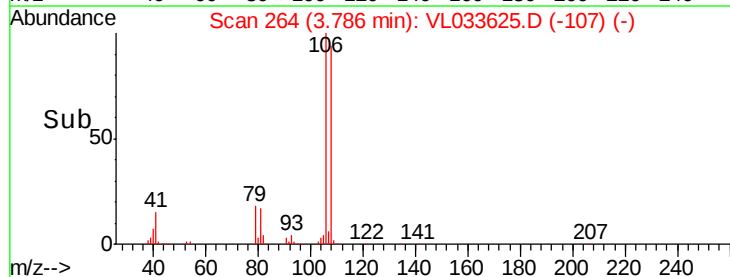
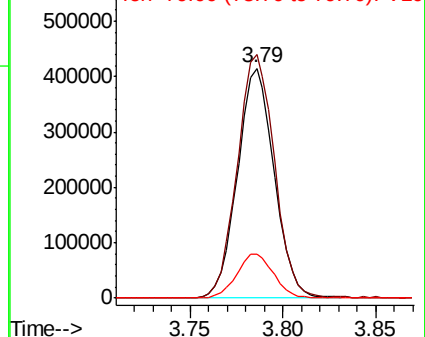
79 19.5 14.4 21.6

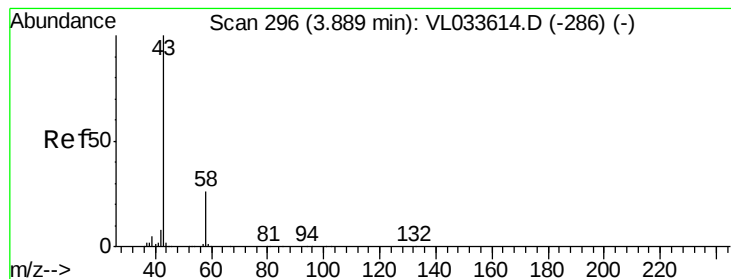


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 9.898 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

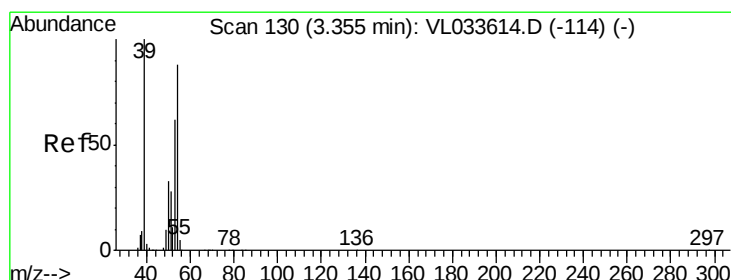
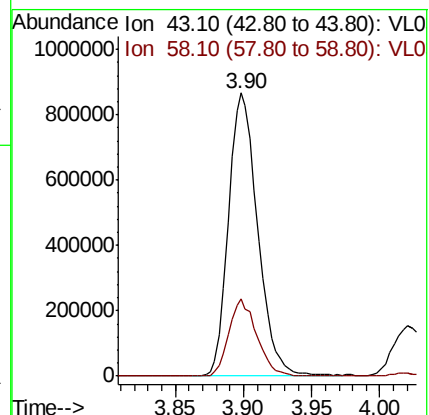
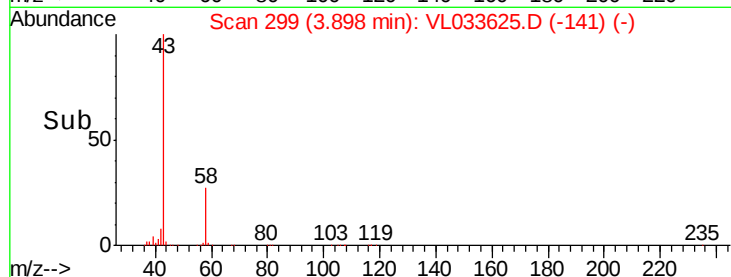
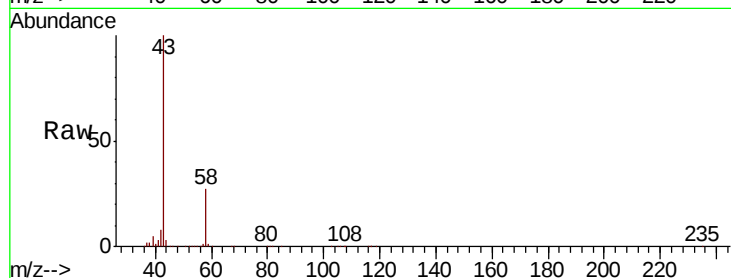
VL0502ABS01

Tgt Ion: 43 Resp: 1285744

Ion Ratio Lower Upper

43 100

58 26.2 21.2 31.8



#16

1,3-Butadiene

Concen: 10.771 ppbv

RT: 3.36 min Scan# 132

Delta R.T. 0.01 min

Lab File: VL033625.D

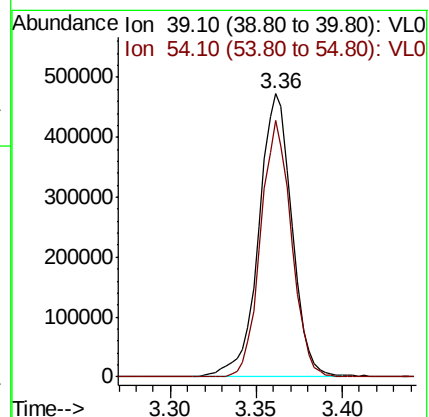
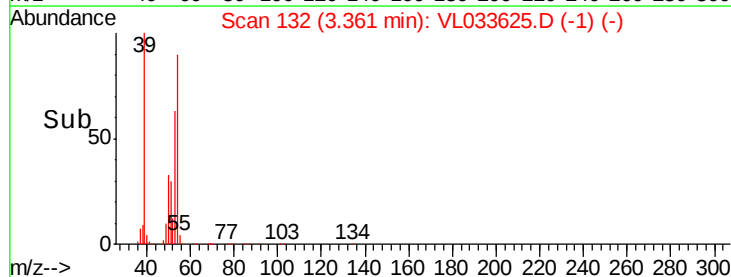
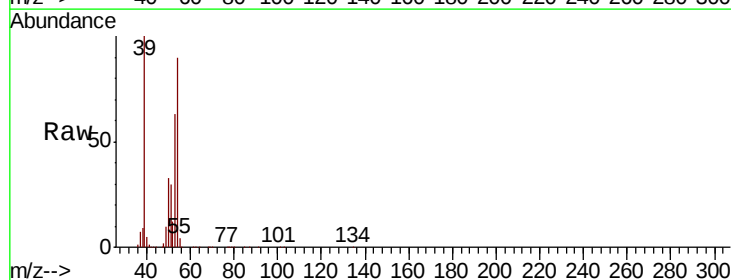
Acq: 2 May 2019 12:43

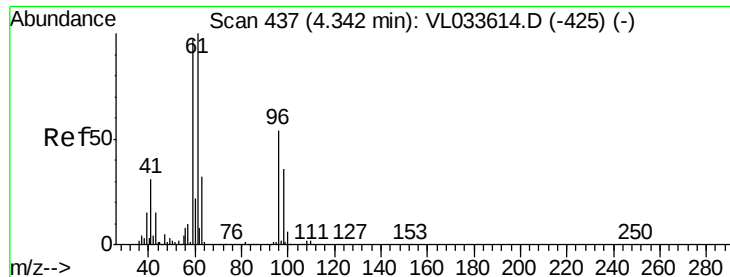
Tgt Ion: 39 Resp: 629677

Ion Ratio Lower Upper

39 100

54 84.4 68.4 102.6

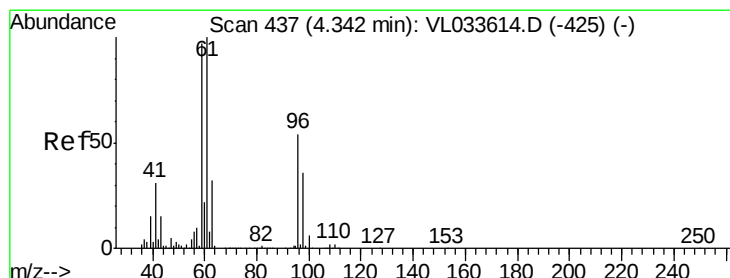
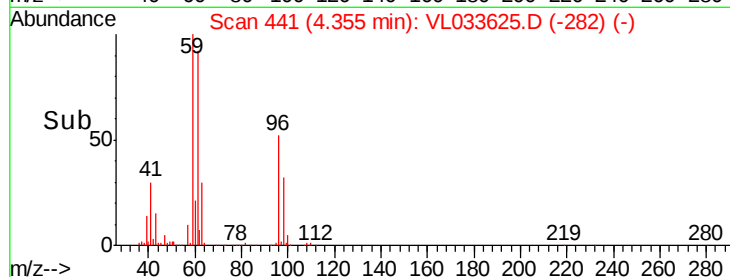
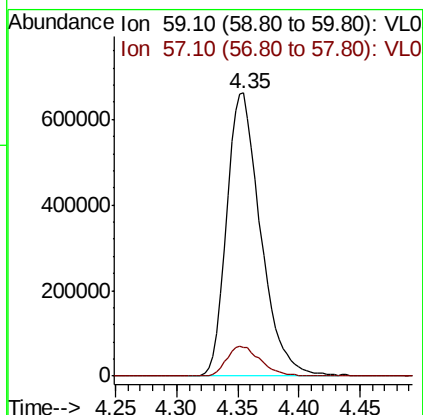
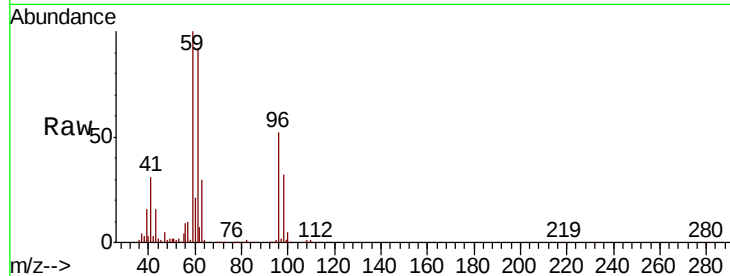




#17
 tert-Butyl alcohol
 Concen: 11.453 ppbv
 RT: 4.35 min Scan# 441
 Delta R.T. 0.01 min
 Lab File: VL033625.D
 Acq: 2 May 2019 12:43

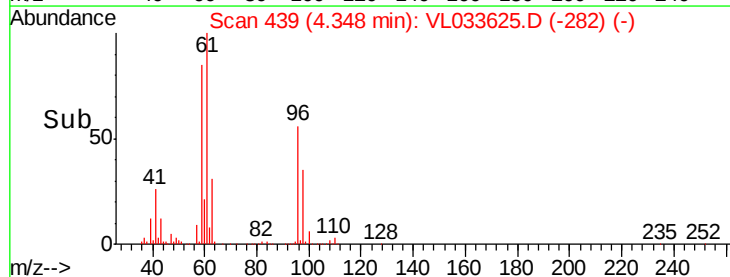
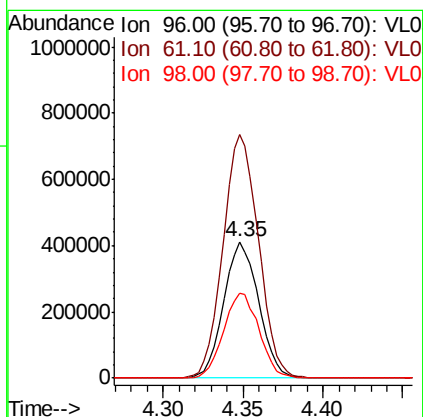
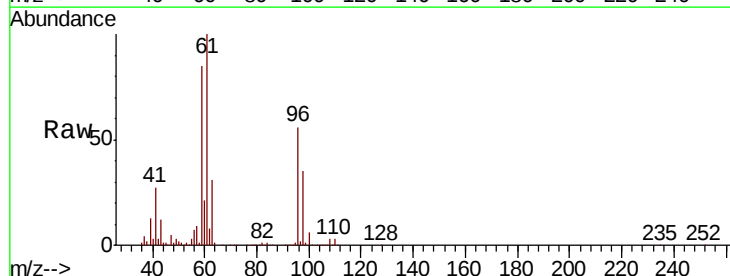
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0502ABS01

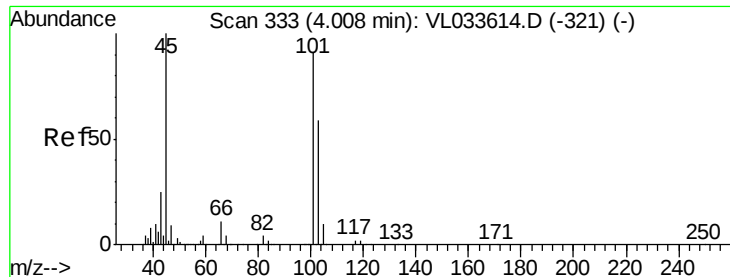
Tgt Ion: 59 Resp: 1284553
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.4 12.6



#18
 1,1-Dichloroethene
 Concen: 10.713 ppbv
 RT: 4.35 min Scan# 439
 Delta R.T. 0.01 min
 Lab File: VL033625.D
 Acq: 2 May 2019 12:43

Tgt Ion: 96 Resp: 610223
 Ion Ratio Lower Upper
 96 100
 61 178.2 147.3 220.9
 98 62.3 53.6 80.4



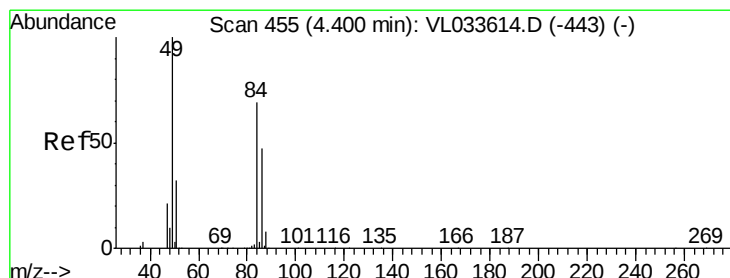
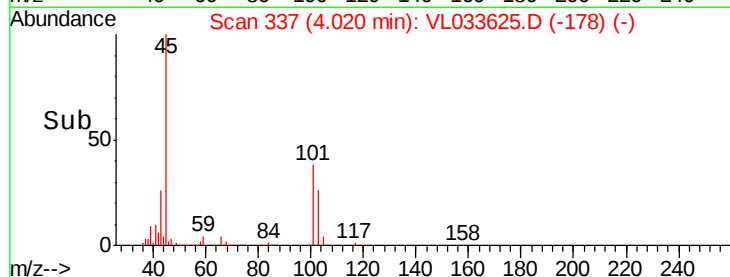
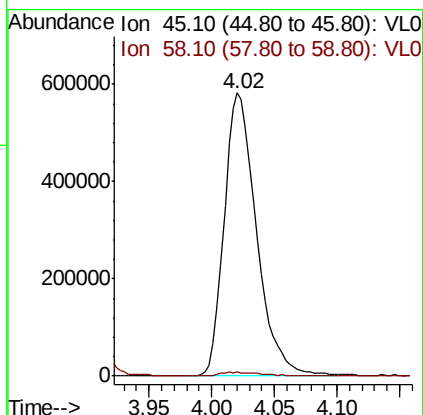
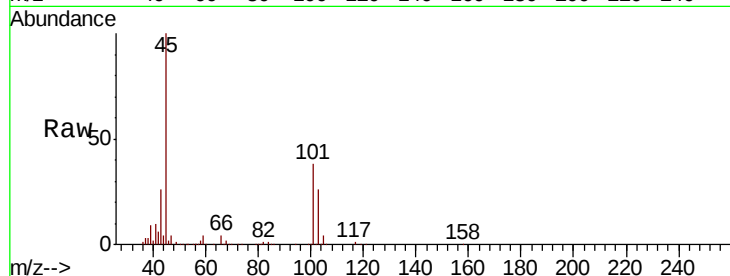


#19

Isopropyl Alcohol
 Concen: 11.635 ppbv
 RT: 4.02 min Scan# 337
 Delta R.T. 0.01 min
 Lab File: VL033625.D
 Acq: 2 May 2019 12:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0502ABS01

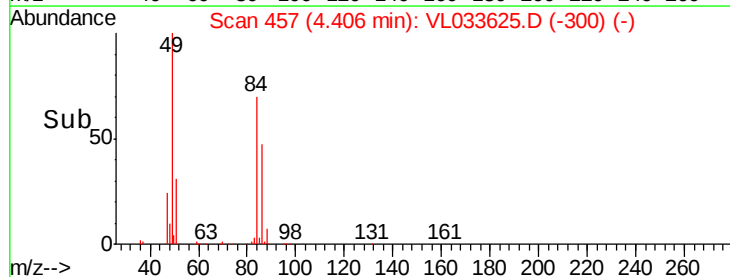
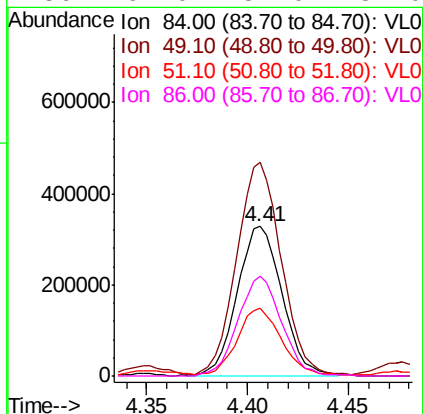
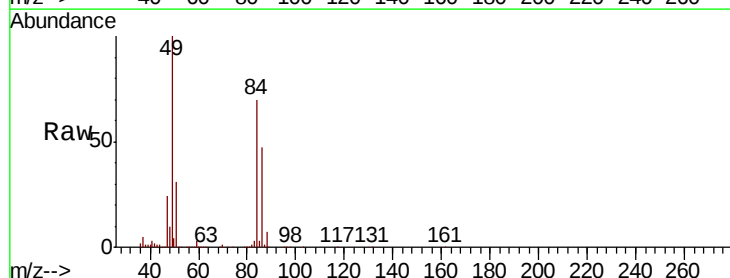
Tgt Ion: 45 Resp: 1037298
 Ion Ratio Lower Upper
 45 100
 58 2.0 1.8 2.6

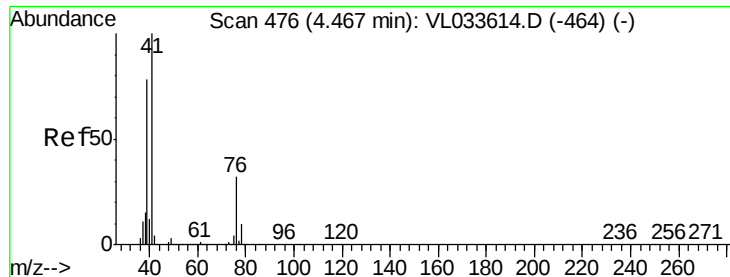


#20

Methylene Chloride
 Concen: 10.017 ppbv
 RT: 4.41 min Scan# 457
 Delta R.T. 0.01 min
 Lab File: VL033625.D
 Acq: 2 May 2019 12:43

Tgt Ion: 84 Resp: 507118
 Ion Ratio Lower Upper
 84 100
 49 142.4 116.2 174.2
 51 44.0 37.0 55.6
 86 67.0 54.0 81.0

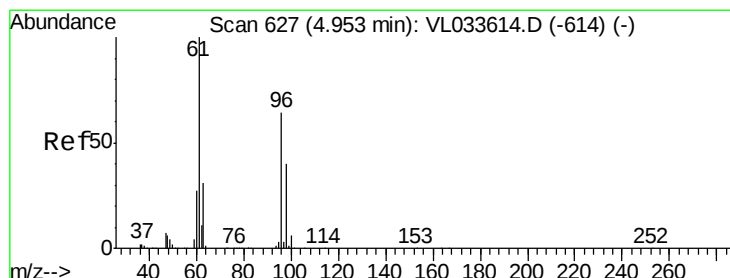
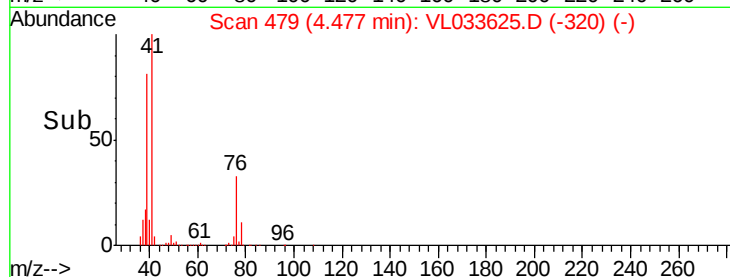
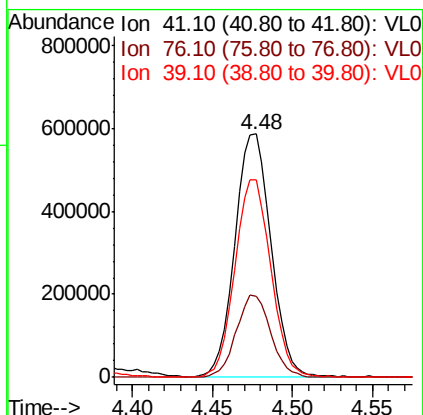
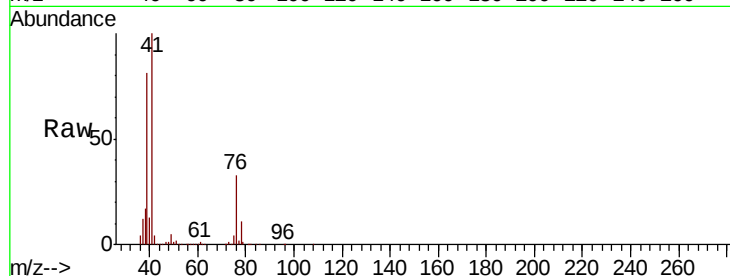




#21
 Allyl Chloride
 Concen: 10.950 ppbv
 RT: 4.48 min Scan# 479
 Delta R.T. 0.01 min
 Lab File: VL033625.D
 Acq: 2 May 2019 12:43

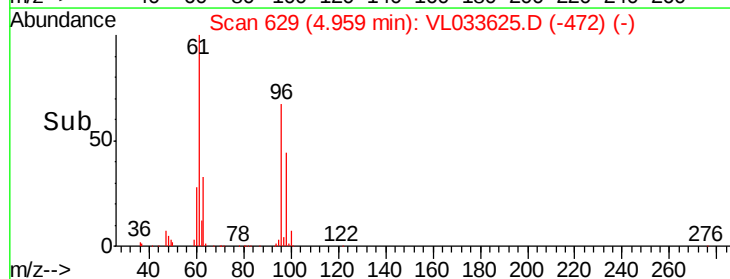
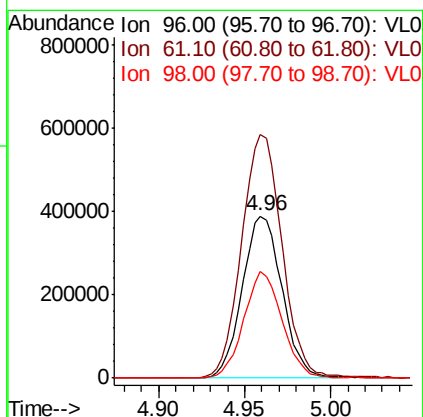
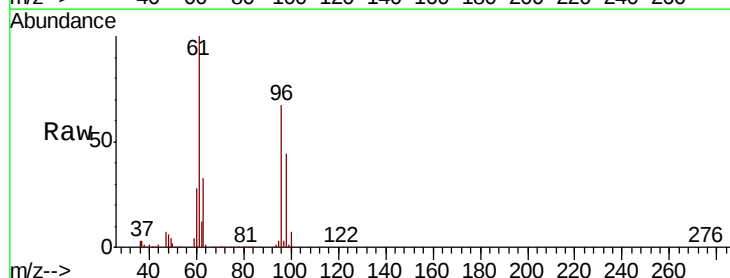
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0502ABS01

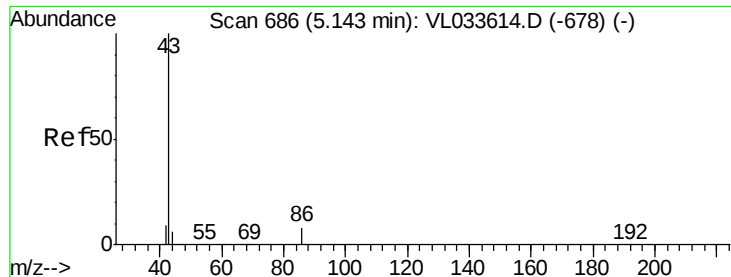
Tgt Ion: 41 Resp: 894747
 Ion Ratio Lower Upper
 41 100
 76 32.3 25.0 37.6
 39 80.6 64.6 96.8



#22
 trans-1,2-Dichloroethene
 Concen: 11.145 ppbv
 RT: 4.96 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: VL033625.D
 Acq: 2 May 2019 12:43

Tgt Ion: 96 Resp: 621735
 Ion Ratio Lower Upper
 96 100
 61 150.2 124.9 187.3
 98 66.0 50.5 75.7





#23

Vinyl Acetate

Concen: 10.492 ppbv

RT: 5.16 min Scan# 690

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL0502ABS01

Tgt Ion: 43 Resp: 2026736

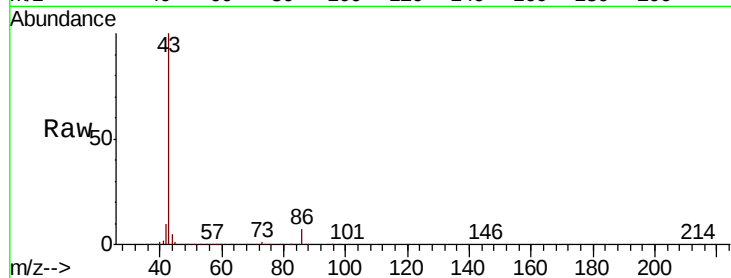
Ion Ratio Lower Upper

43 100

86 7.4 5.8 8.8

42 9.5 7.8 11.8

44 5.2 4.6 7.0

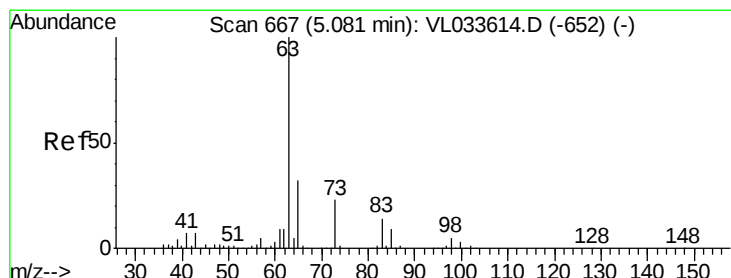
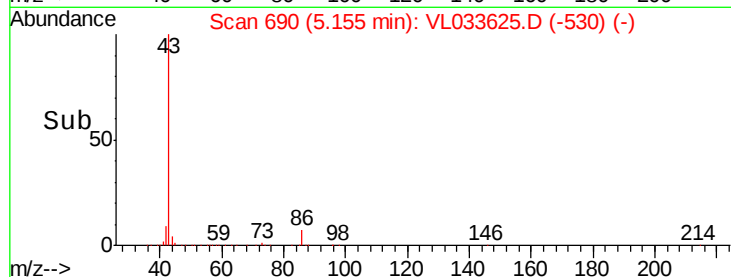
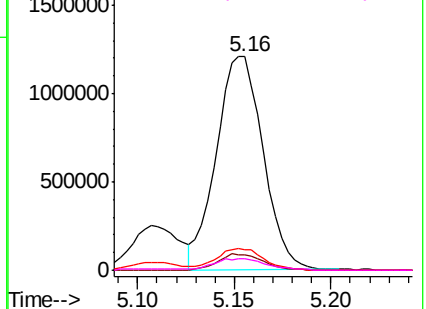


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#24

1,1-Dichloroethane

Concen: 9.757 ppbv

RT: 5.09 min Scan# 669

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

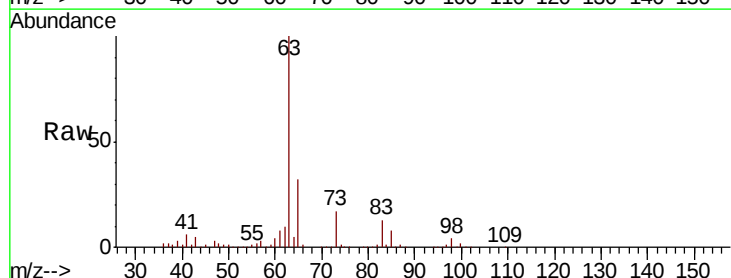
Tgt Ion: 63 Resp: 1403053

Ion Ratio Lower Upper

63 100

98 4.2 2.4 7.2

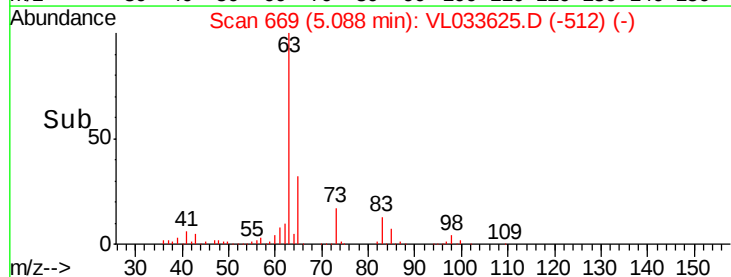
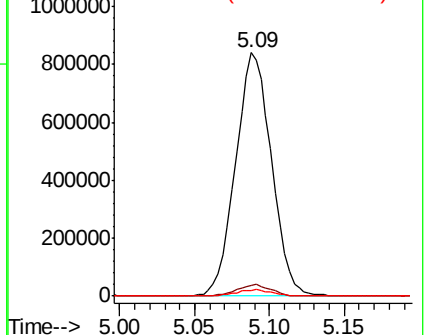
100 2.4 1.4 4.0

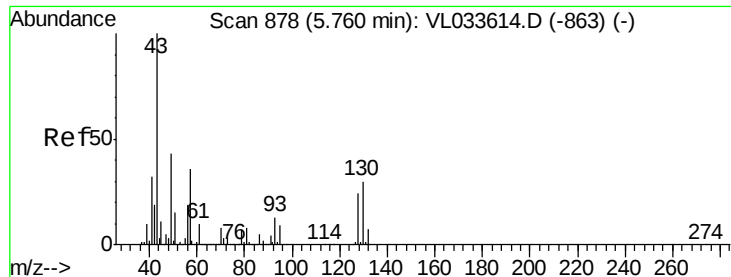


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



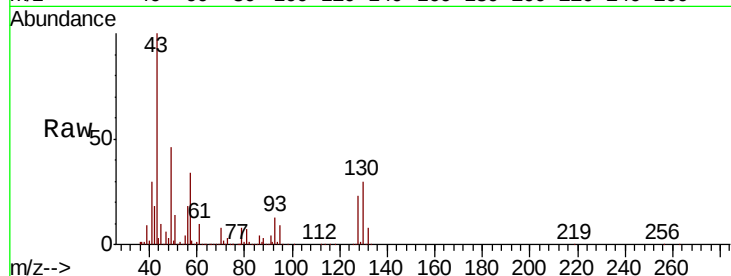


#25
Ethyl Acetate
Concen: 9.632 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.01 min
Lab File: VL033625.D
Acq: 2 May 2019 12:43

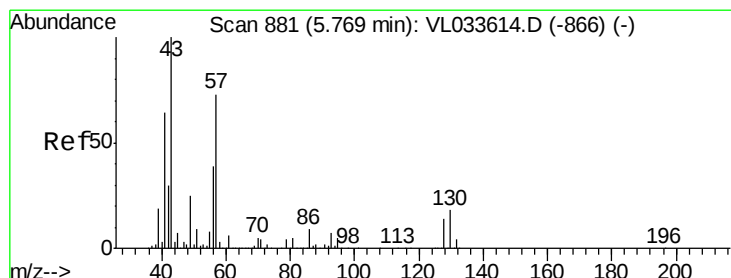
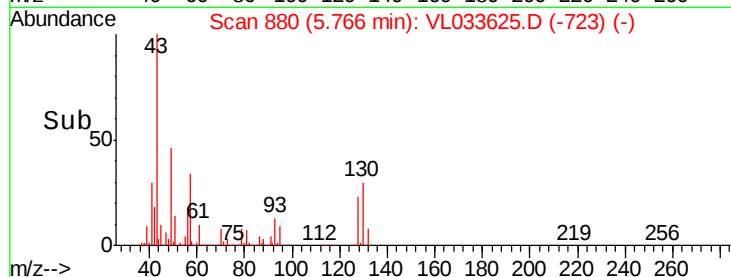
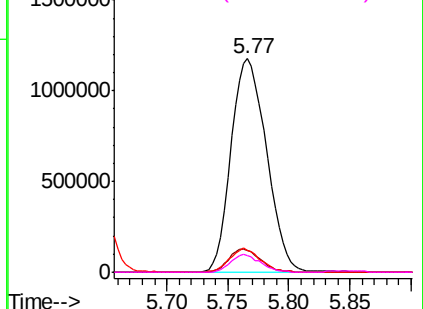
Instrument :
MSVOA_L
ClientSampleId :
VL0502ABS01

Tgt Ion: 43 Resp: 2374604

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.1	12.1
61	9.6	7.5	11.3
70	7.2	5.8	8.6



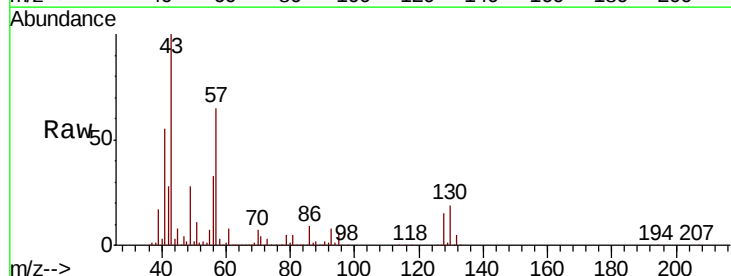
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



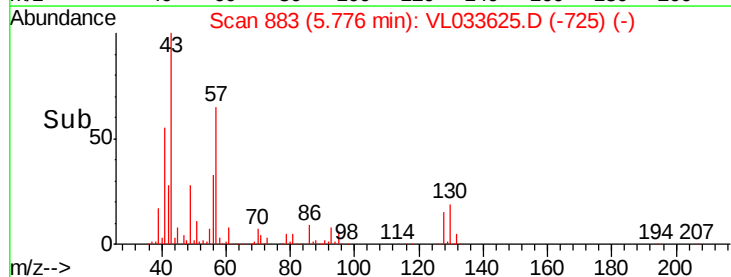
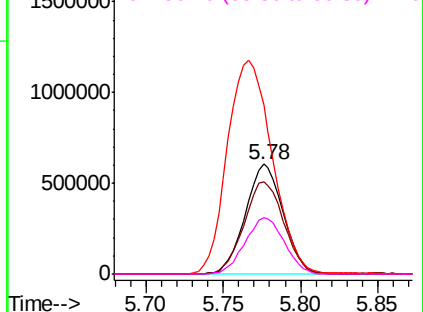
#26
Hexane
Concen: 9.944 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033625.D
Acq: 2 May 2019 12:43

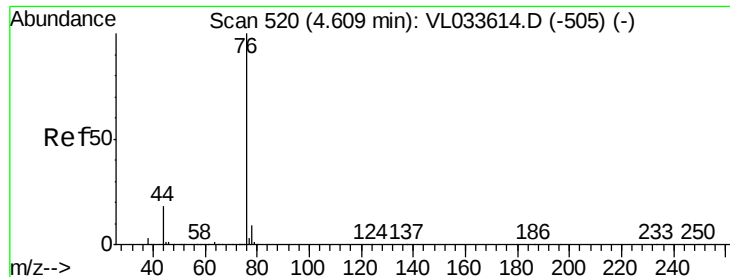
Tgt Ion: 57 Resp: 1032295

Ion	Ratio	Lower	Upper
57	100		
41	88.0	70.6	106.0
43	230.9	186.0	279.0
56	53.3	42.7	64.1



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

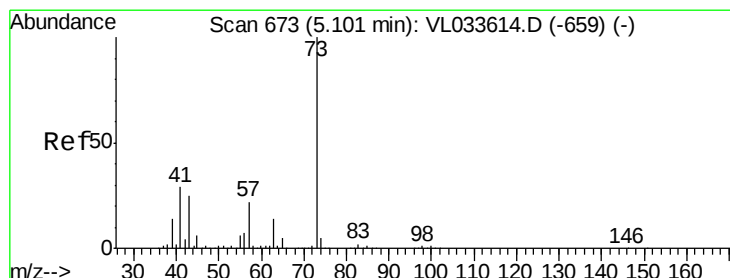
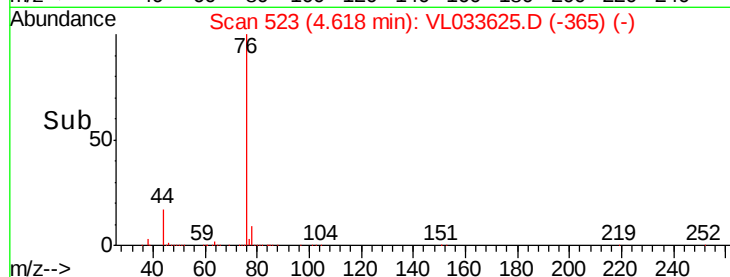
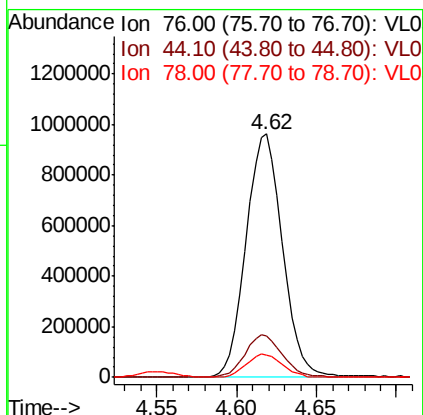
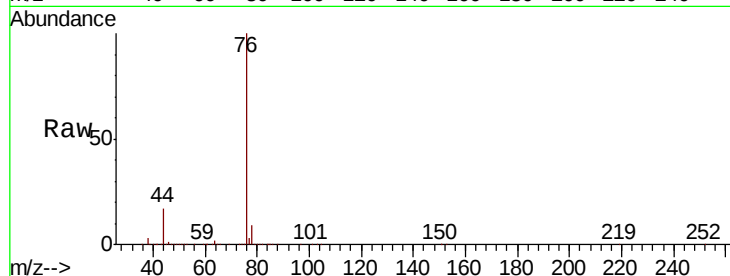




#27
Carbon Disulfide
Concen: 11.890 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.01 min
Lab File: VL033625.D
Acq: 2 May 2019 12:43

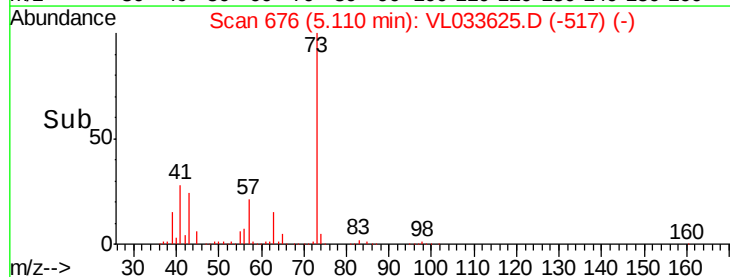
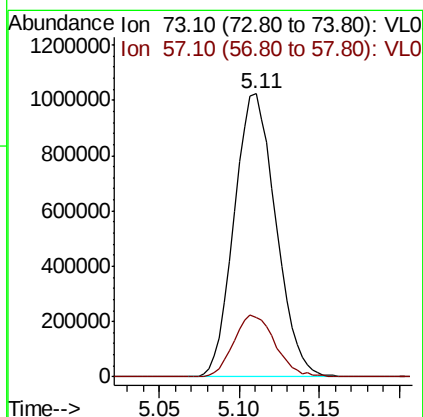
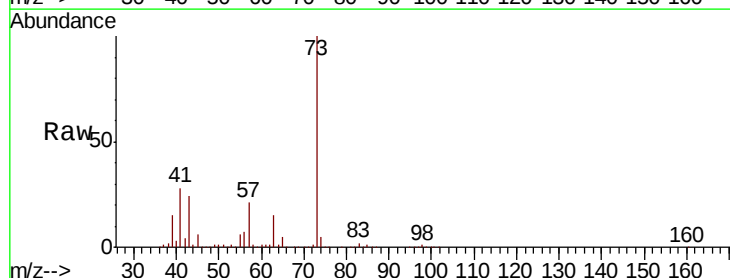
Instrument :
MSVOA_L
ClientSampleId :
VL0502ABS01

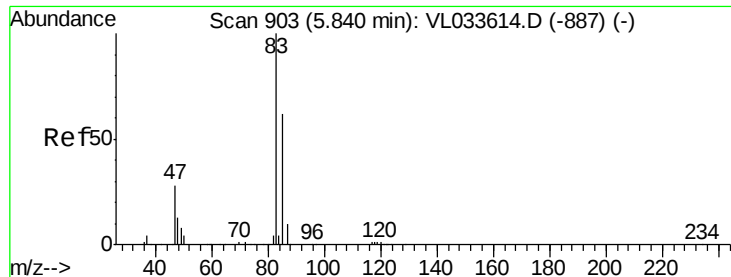
Tgt Ion: 76 Resp: 1494762
Ion Ratio Lower Upper
76 100
44 17.5 14.3 21.5
78 9.5 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 10.371 ppbv
RT: 5.11 min Scan# 676
Delta R.T. 0.01 min
Lab File: VL033625.D
Acq: 2 May 2019 12:43

Tgt Ion: 73 Resp: 1815524
Ion Ratio Lower Upper
73 100
57 22.0 17.8 26.8





#29

Chloroform

Concen: 9.414 ppbv

RT: 5.85 min Scan# 905

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Instrument :

MSVOA_L

ClientSampled :

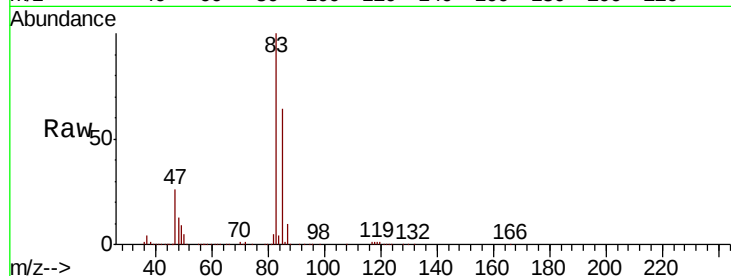
VL0502ABS01

Tgt Ion: 83 Resp: 1790985

Ion Ratio Lower Upper

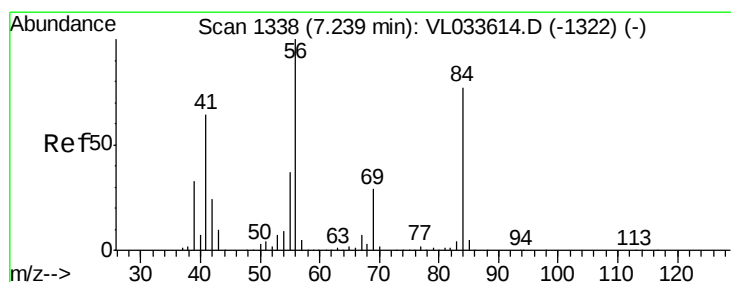
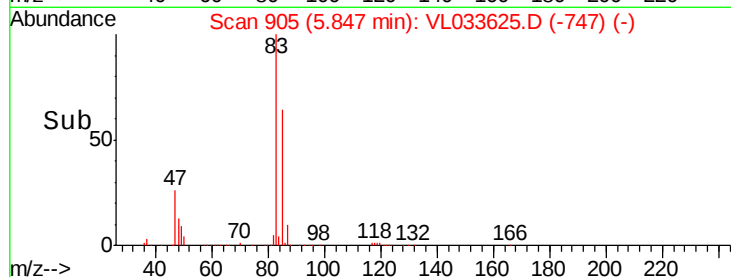
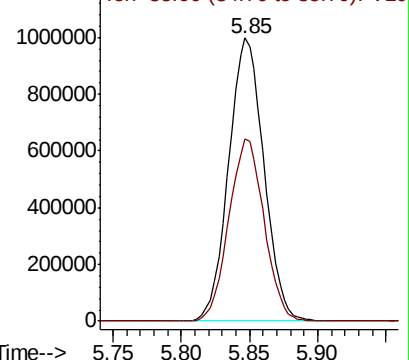
83 100

85 64.2 49.9 74.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 10.715 ppbv

RT: 7.24 min Scan# 1339

Delta R.T. 0.00 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

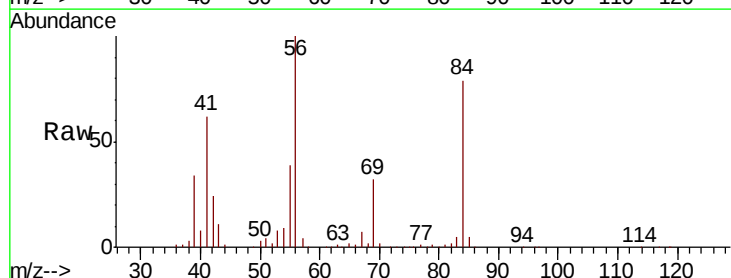
Tgt Ion: 84 Resp: 941651

Ion Ratio Lower Upper

84 100

56 134.4 108.4 162.6

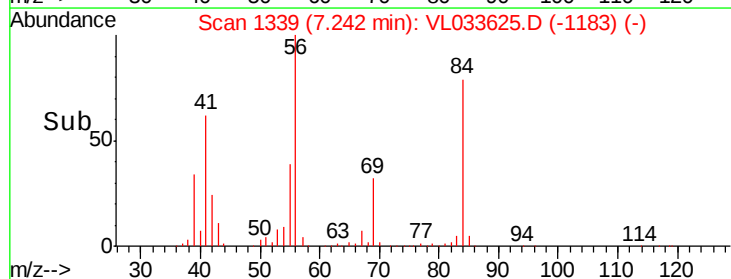
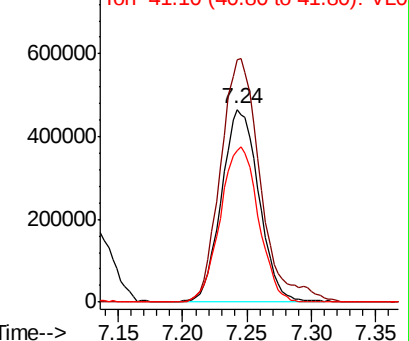
41 82.0 67.0 100.4

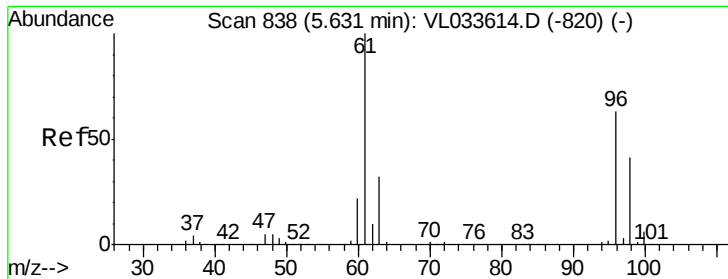


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

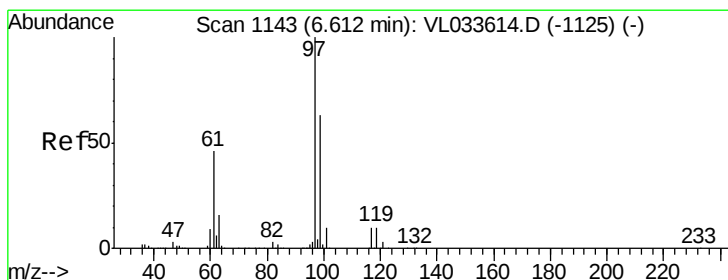
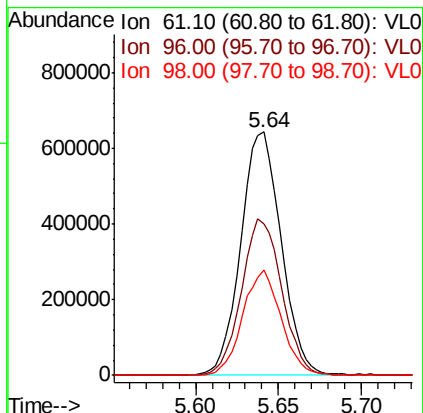
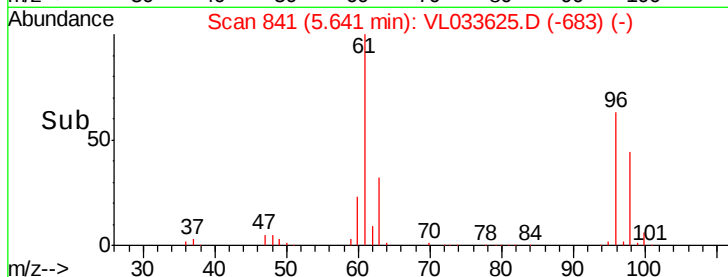
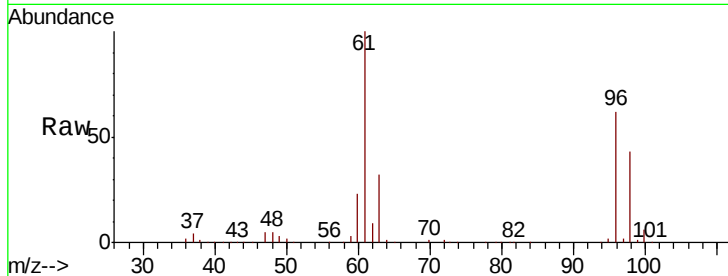




#31
 cis-1,2-Dichloroethene
 Concen: 10.428 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. 0.01 min
 Lab File: VL033625.D
 Acq: 2 May 2019 12:43

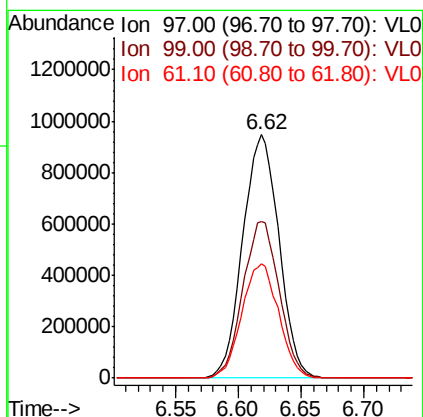
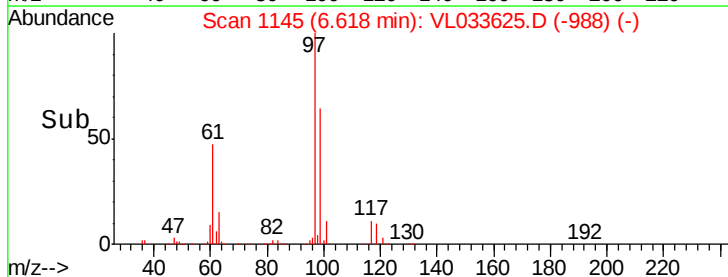
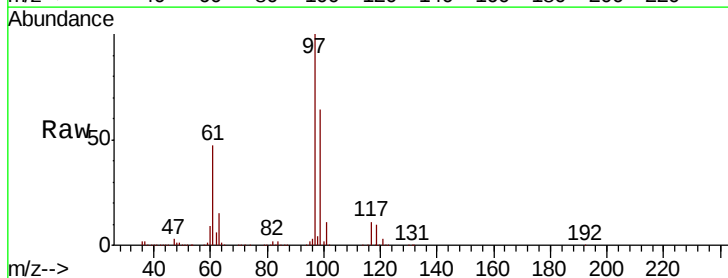
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0502ABS01

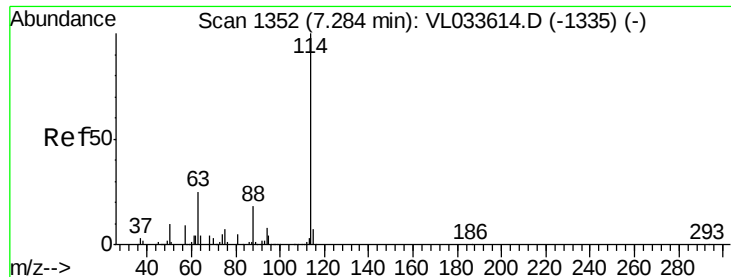
Tgt Ion: 61 Resp: 1092579
 Ion Ratio Lower Upper
 61 100
 96 62.4 50.6 76.0
 98 43.4 32.8 49.2



#32
 1,1,1-Trichloroethane
 Concen: 9.566 ppbv
 RT: 6.62 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VL033625.D
 Acq: 2 May 2019 12:43

Tgt Ion: 97 Resp: 1904834
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.9 77.9
 61 48.0 38.2 57.2

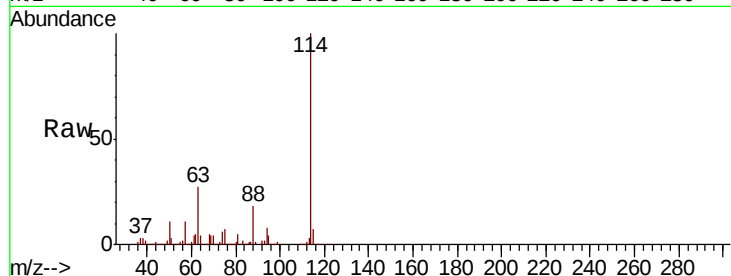




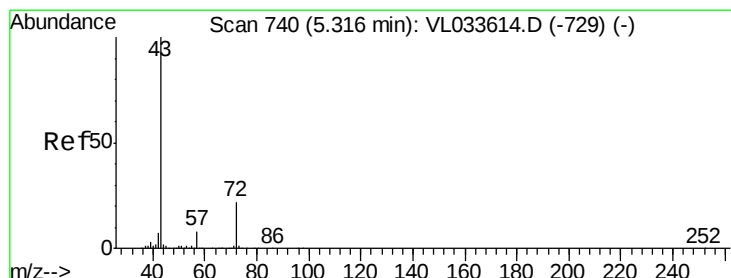
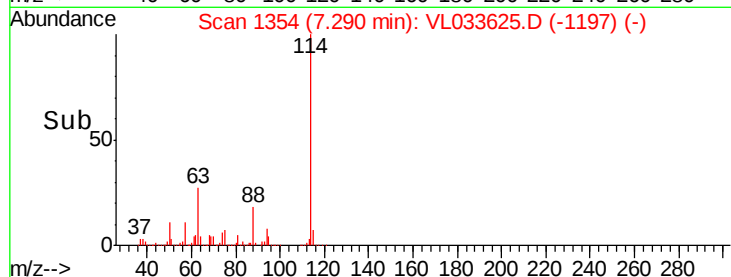
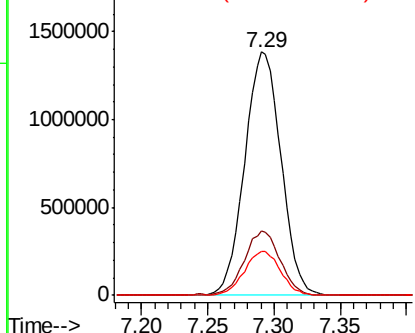
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. 0.01 min
 Lab File: VL033625.D
 Acq: 2 May 2019 12:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0502ABS01

Tgt Ion:114 Resp: 2639394
 Ion Ratio Lower Upper
 114 100
 63 26.5 21.1 31.7
 88 18.2 14.2 21.4

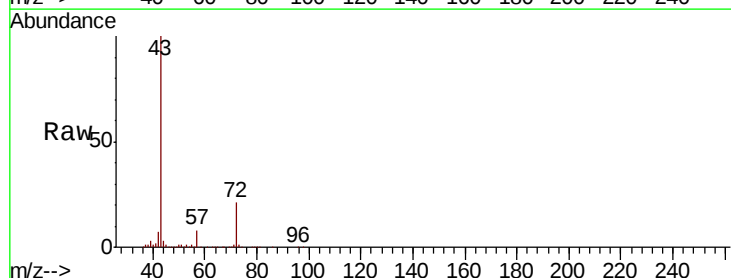


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

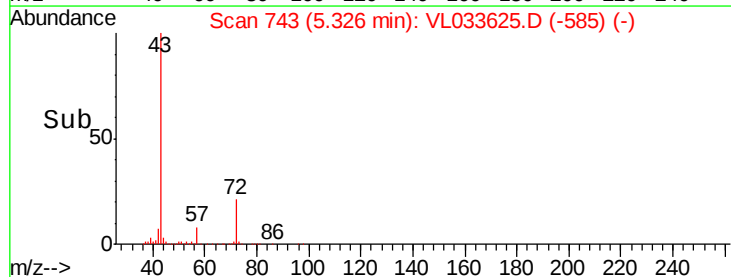
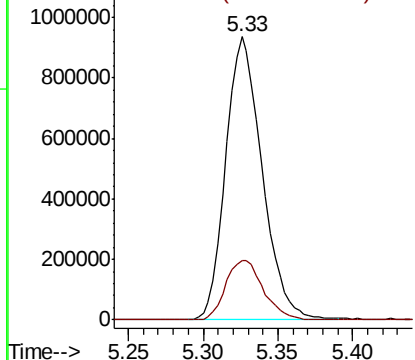


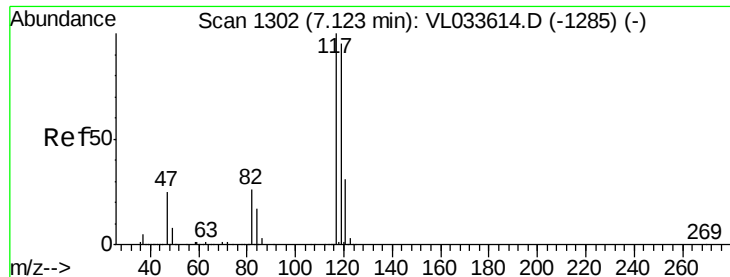
#34
 2-Butanone
 Concen: 9.749 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. 0.01 min
 Lab File: VL033625.D
 Acq: 2 May 2019 12:43

Tgt Ion: 43 Resp: 1579655
 Ion Ratio Lower Upper
 43 100
 72 21.9 17.8 26.8



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





#35

Carbon Tetrachloride

Concen: 9.639 ppbv

RT: 7.13 min Scan# 1305

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL0502ABS01

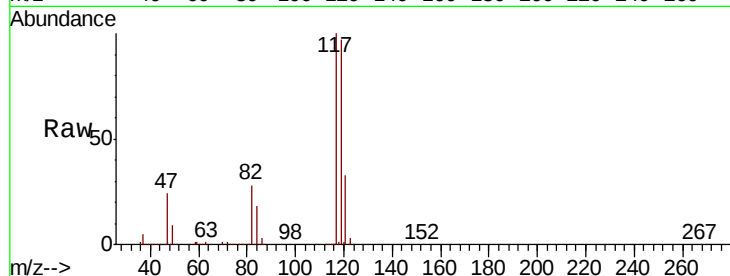
Tgt Ion:117 Resp: 2015513

Ion Ratio Lower Upper

117 100

119 97.4 76.2 114.4

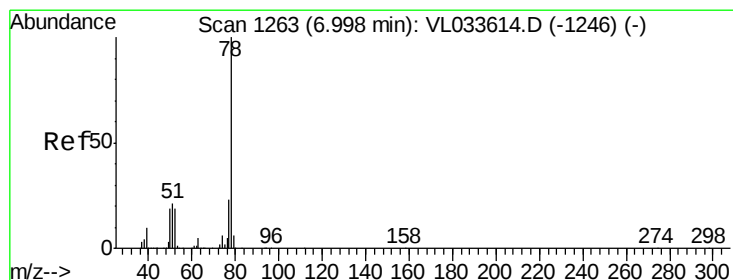
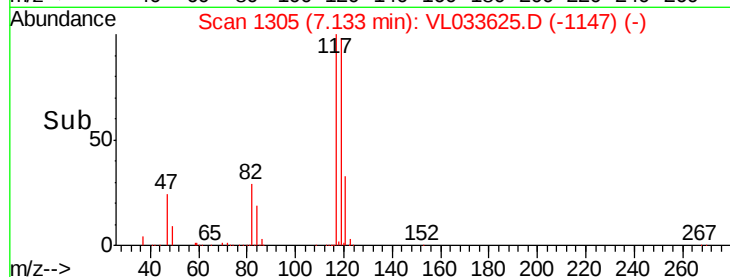
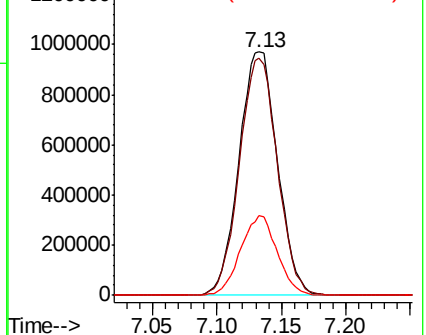
121 32.6 24.9 37.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.118 ppbv

RT: 7.00 min Scan# 1265

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

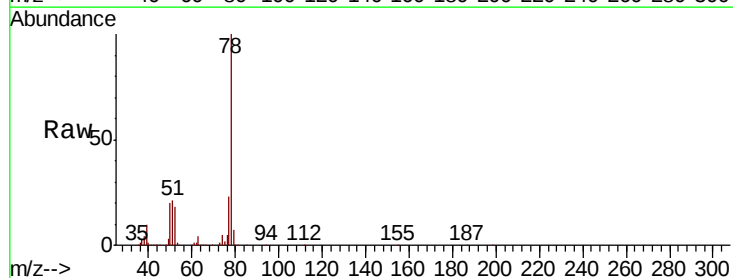
Tgt Ion: 78 Resp: 2275362

Ion Ratio Lower Upper

78 100

77 23.2 18.1 27.1

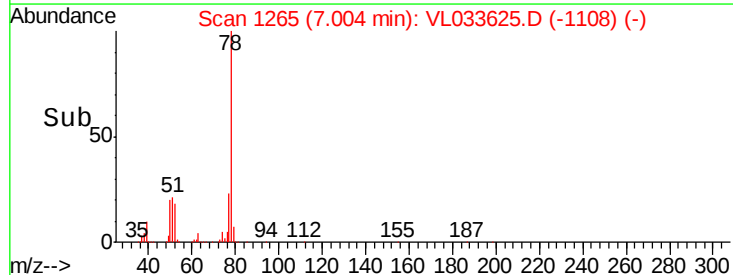
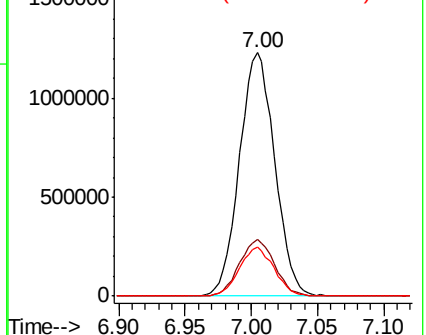
50 19.9 15.1 22.7

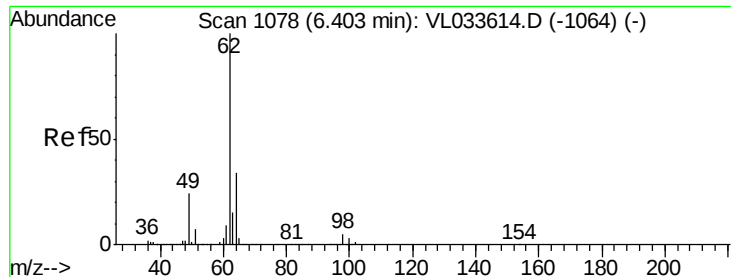


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

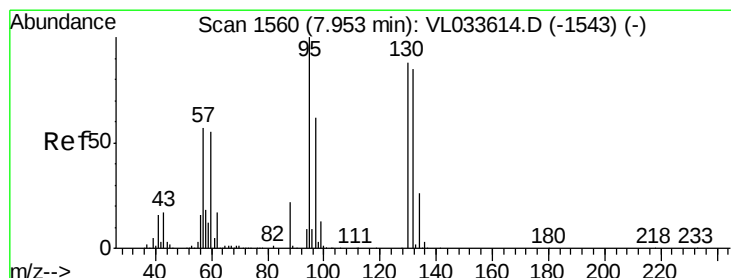
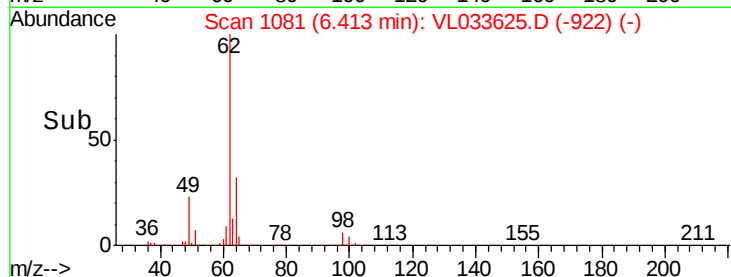
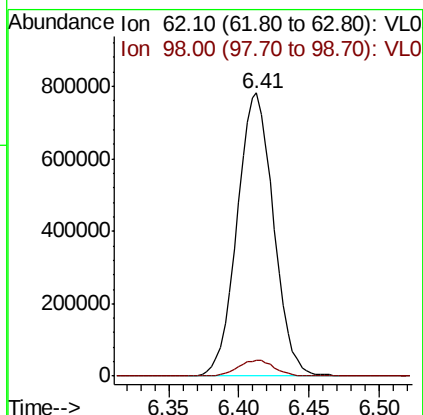
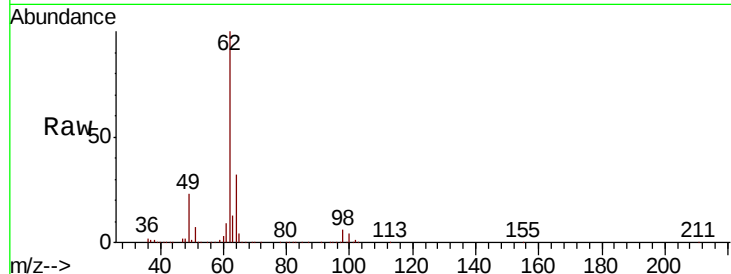




#37
 1,2-Dichloroethane
 Concen: 9.473 ppbv
 RT: 6.41 min Scan# 1081
 Delta R.T. 0.01 min
 Lab File: VL033625.D
 Acq: 2 May 2019 12:43

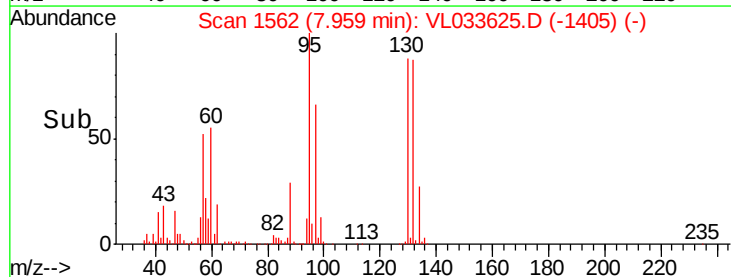
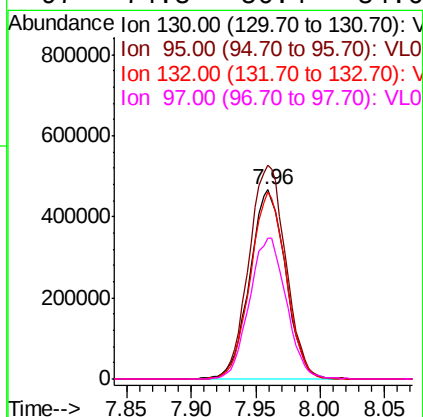
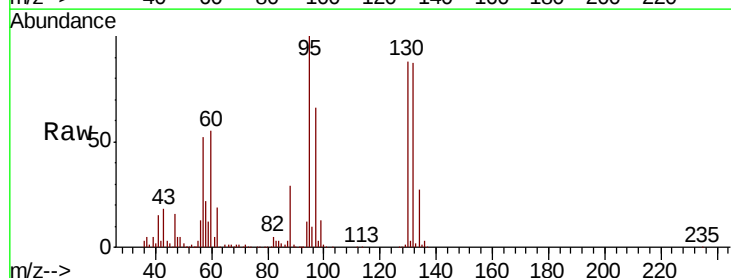
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0502ABS01

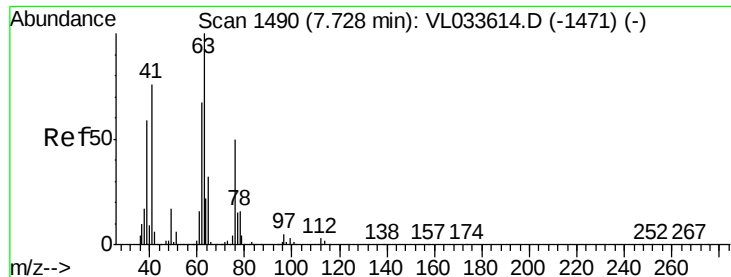
Tgt Ion: 62 Resp: 1415542
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.4 6.6



#38
 Trichloroethene
 Concen: 10.138 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. 0.01 min
 Lab File: VL033625.D
 Acq: 2 May 2019 12:43

Tgt Ion: 130 Resp: 909304
 Ion Ratio Lower Upper
 130 100
 95 113.1 91.2 136.8
 132 98.7 77.8 116.8
 97 74.8 56.4 84.6

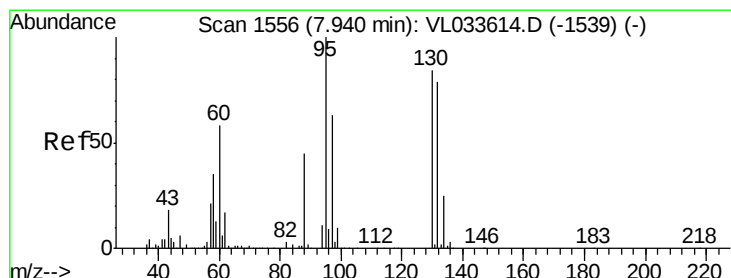
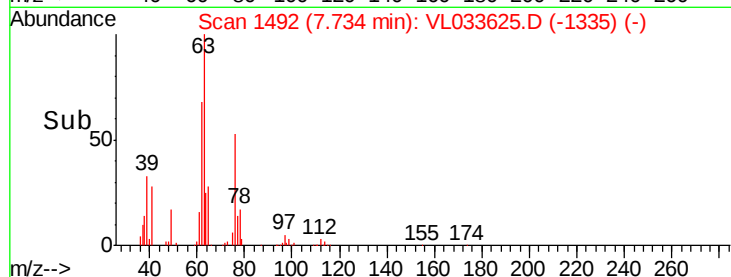
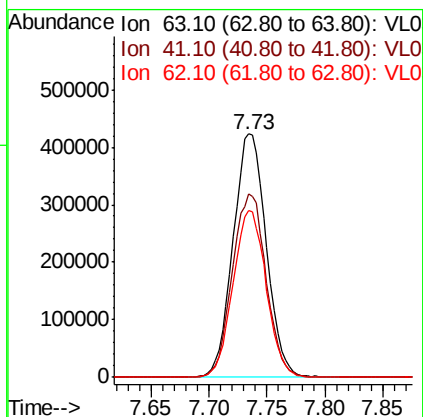
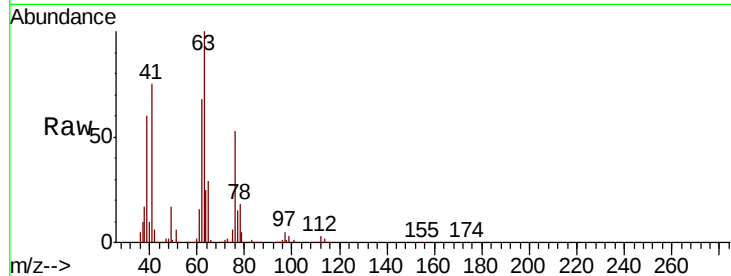




#39
 1,2-Dichloropropane
 Concen: 9.917 ppbv
 RT: 7.73 min Scan# 1492
 Delta R.T. 0.01 min
 Lab File: VL033625.D
 Acq: 2 May 2019 12:43

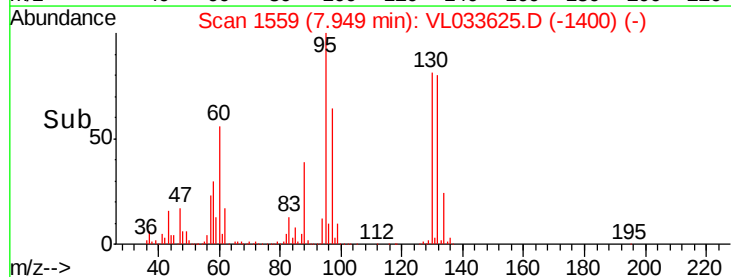
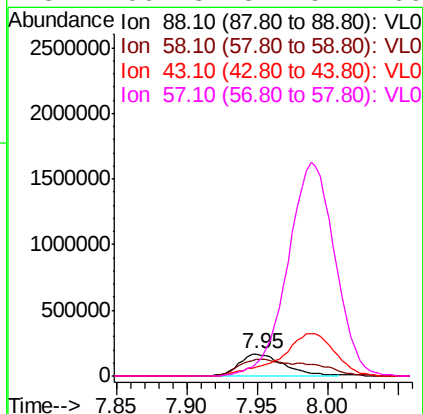
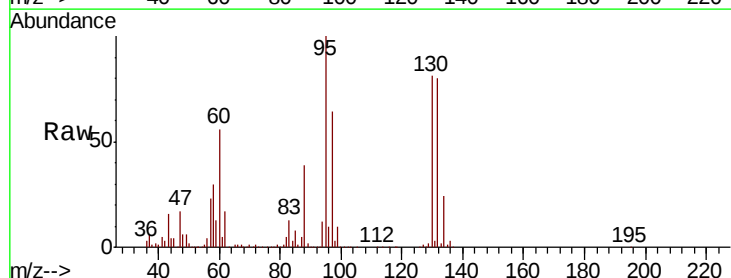
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0502ABS01

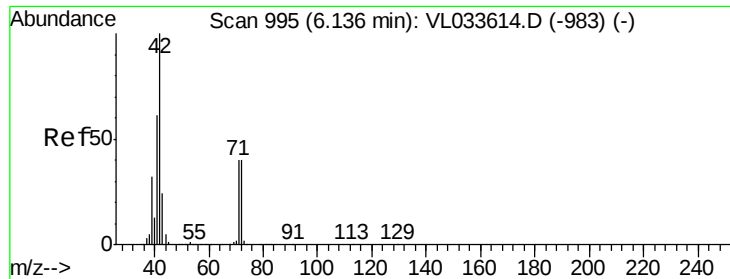
Tgt Ion: 63 Resp: 841018
 Ion Ratio Lower Upper
 63 100
 41 75.3 60.9 91.3
 62 68.3 53.3 79.9



#40
 1,4-Dioxane
 Concen: 11.002 ppbv
 RT: 7.95 min Scan# 1559
 Delta R.T. 0.01 min
 Lab File: VL033625.D
 Acq: 2 May 2019 12:43

Tgt Ion: 88 Resp: 379107
 Ion Ratio Lower Upper
 88 100
 58 122.8 98.4 147.6
 43 228.3 190.7 286.1
 57 1001.8 844.5 1266.7

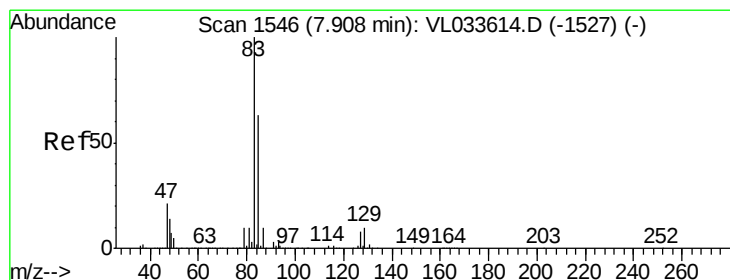
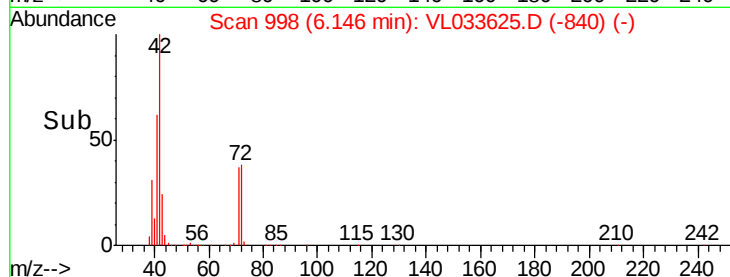
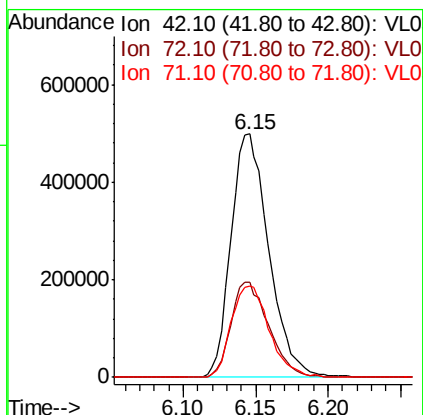
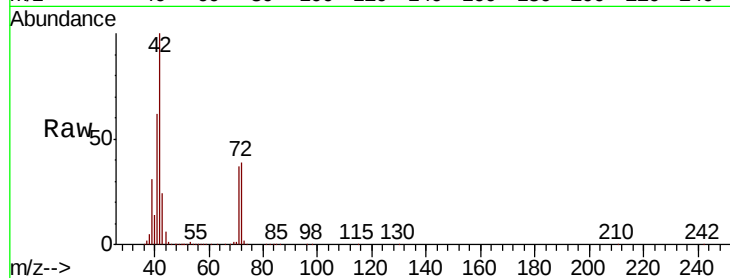




#41
Tetrahydrofuran
Concen: 10.437 ppbv
RT: 6.15 min Scan# 998
Delta R.T. 0.01 min
Lab File: VL033625.D
Acq: 2 May 2019 12:43

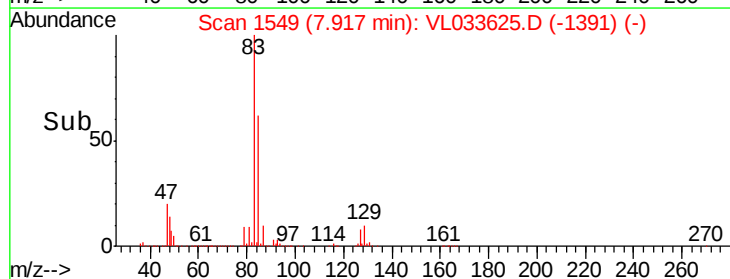
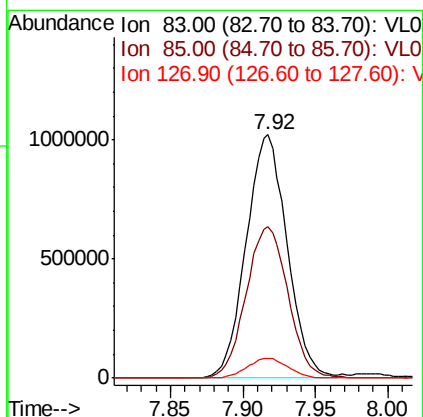
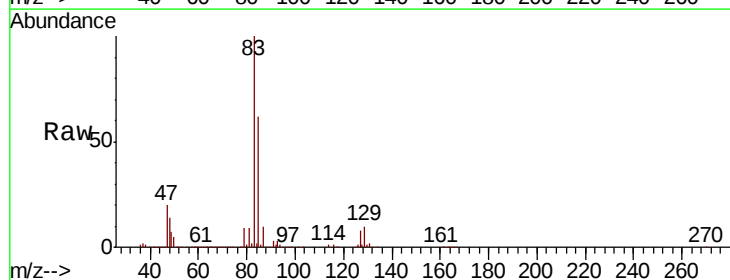
Instrument :
MSVOA_L
ClientSampleId :
VL0502ABS01

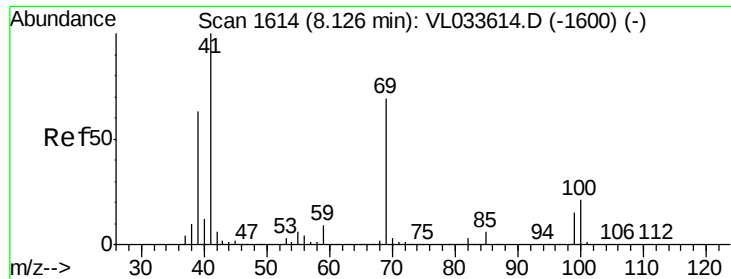
Tgt Ion: 42 Resp: 903138
Ion Ratio Lower Upper
42 100
72 39.3 31.8 47.6
71 38.1 31.0 46.4



#42
Bromodichloromethane
Concen: 9.931 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. 0.01 min
Lab File: VL033625.D
Acq: 2 May 2019 12:43

Tgt Ion: 83 Resp: 2008358
Ion Ratio Lower Upper
83 100
85 62.1 50.2 75.4
127 8.2 6.5 9.7

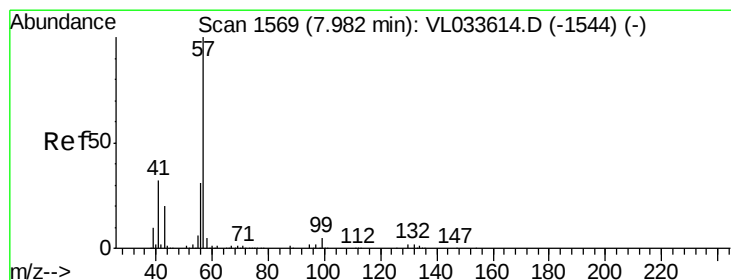
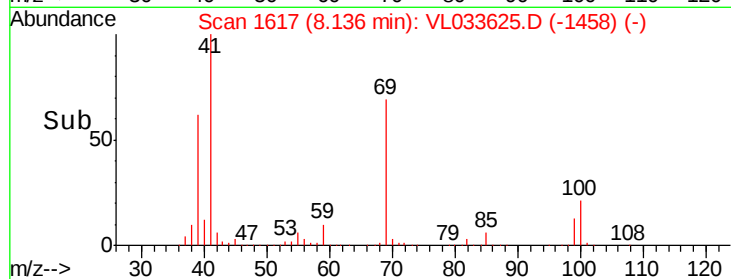
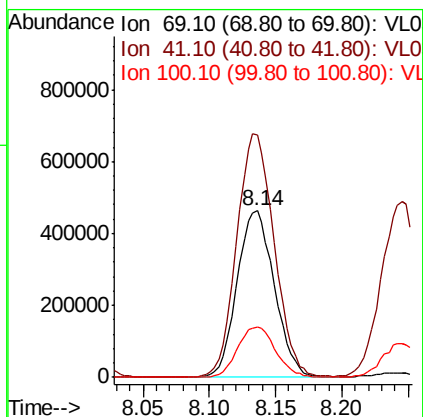
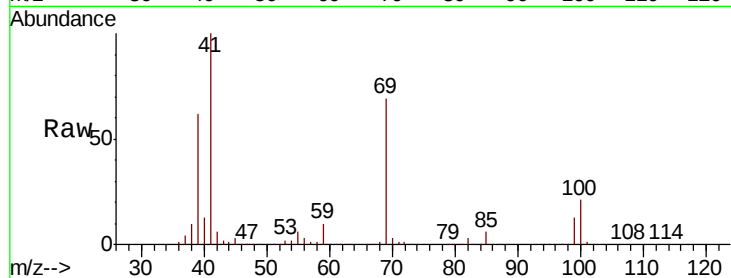




#43
Methyl Methacrylate
Concen: 10.661 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VL033625.D
Acq: 2 May 2019 12:43

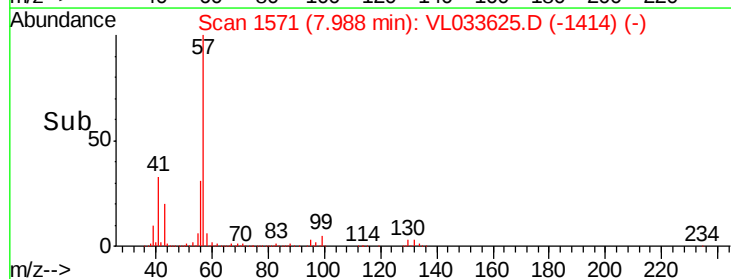
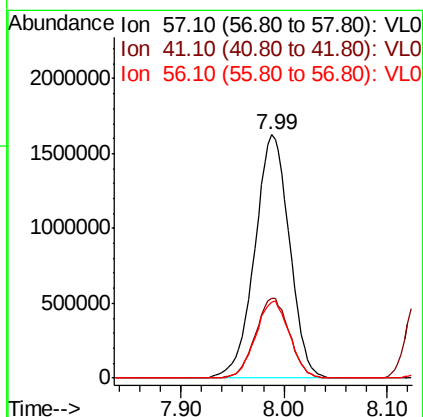
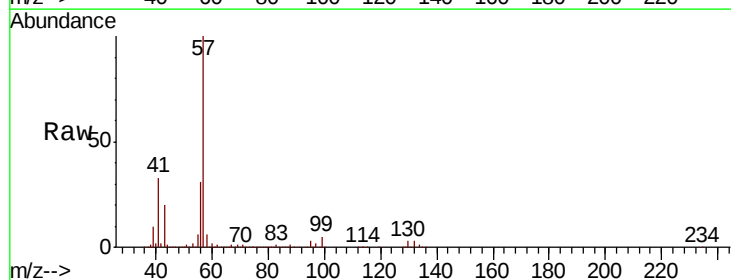
Instrument :
MSVOA_L
ClientSampleId :
VL0502ABS01

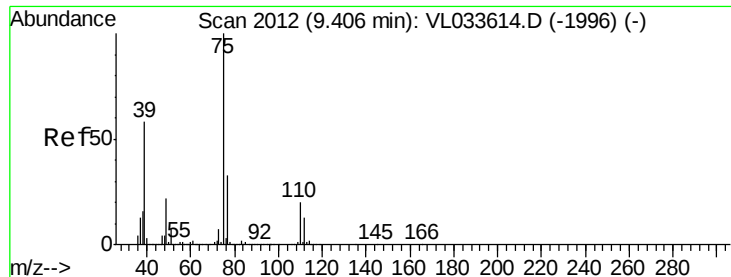
Tgt Ion: 69 Resp: 907860
Ion Ratio Lower Upper
69 100
41 146.3 115.0 172.4
100 30.9 24.7 37.1



#44
2,2,4-Trimethylpentane
Concen: 9.680 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VL033625.D
Acq: 2 May 2019 12:43

Tgt Ion: 57 Resp: 3793676
Ion Ratio Lower Upper
57 100
41 32.3 25.4 38.2
56 30.9 24.6 37.0





#45

t-1,3-Dichloropropene

Concen: 11.035 ppbv

RT: 9.41 min Scan# 2014

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

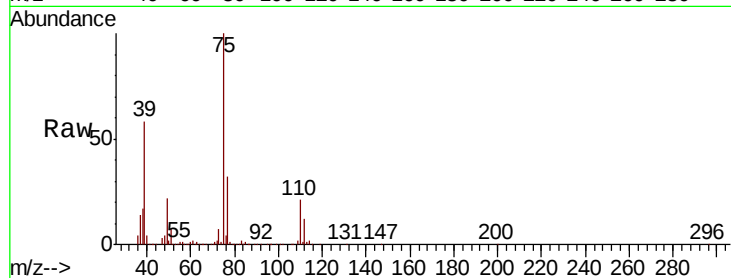
VL0502ABS01

Tgt Ion: 75 Resp: 1248143

Ion Ratio Lower Upper

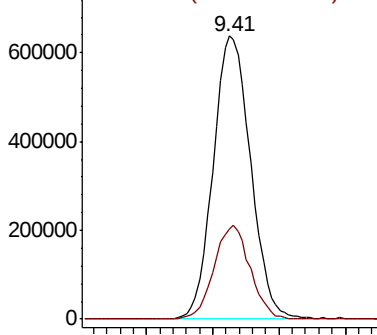
75 100

77 31.9 26.0 39.0

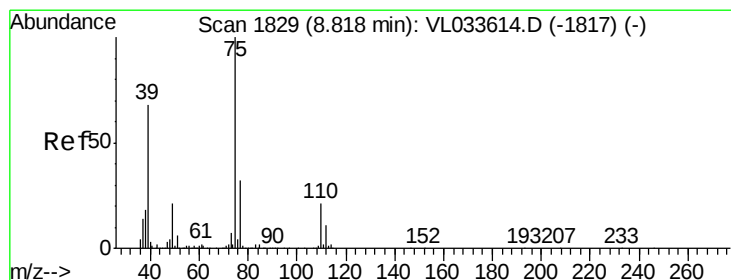
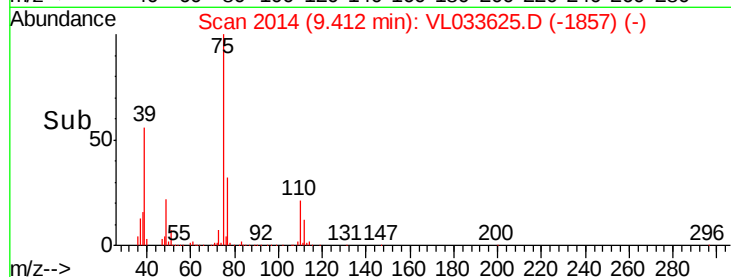


Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.039 ppbv

RT: 8.83 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

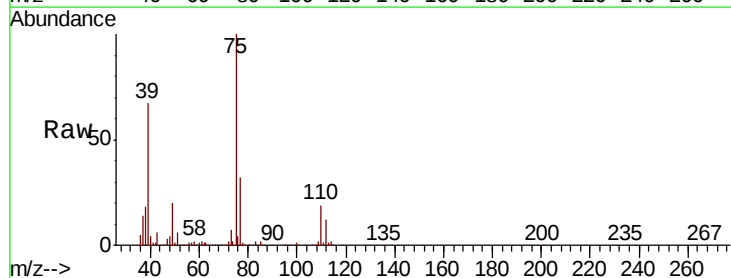
Tgt Ion: 75 Resp: 1408363

Ion Ratio Lower Upper

75 100

39 66.7 54.6 82.0

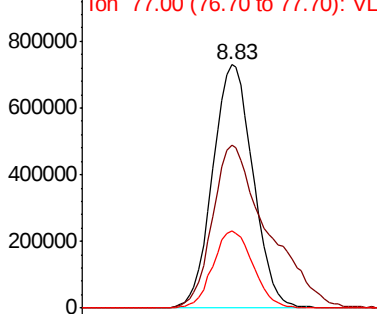
77 31.6 25.7 38.5



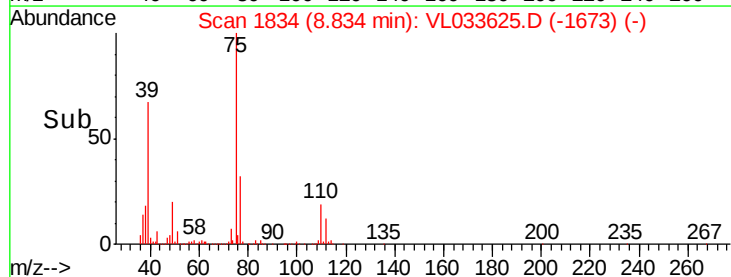
Abundance Ion 75.00 (74.70 to 75.70): VL0

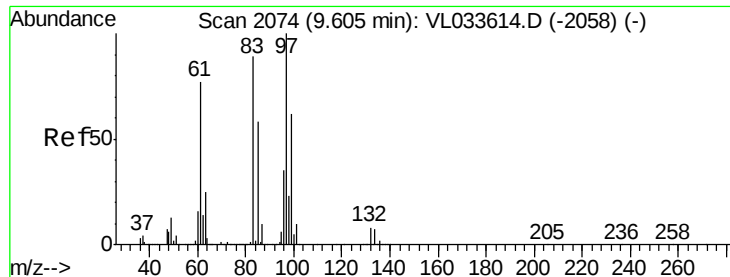
Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



Time-->





#47

1,1,2-Trichloroethane

Concen: 8.534 ppbv

RT: 9.61 min Scan# 2076

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL0502ABS01

Tgt Ion: 97 Resp: 943916

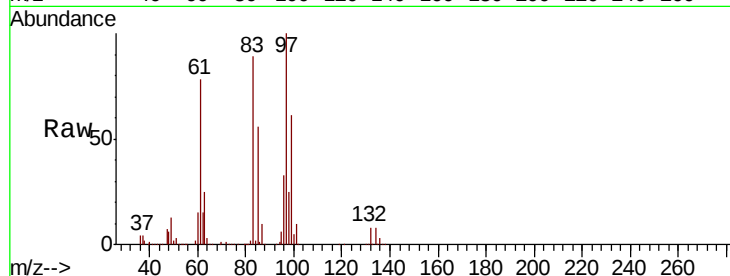
Ion Ratio Lower Upper

97 100

83 88.5 71.4 107.0

85 55.7 46.0 69.0

99 60.9 49.6 74.4

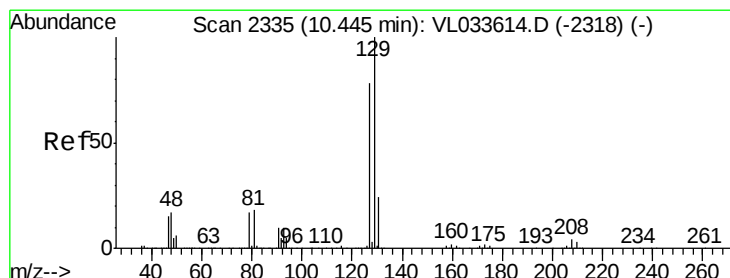
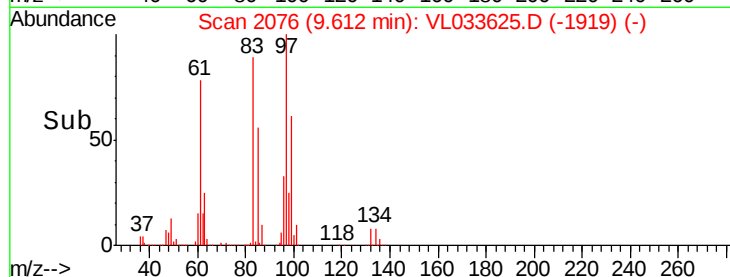
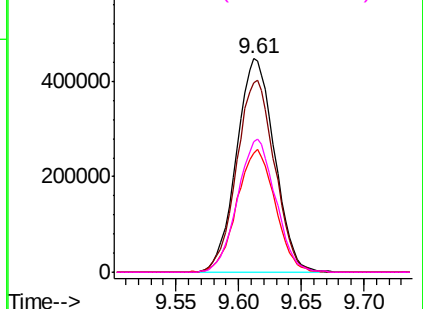


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.297 ppbv

RT: 10.45 min Scan# 2337

Delta R.T. 0.01 min

Lab File: VL033625.D

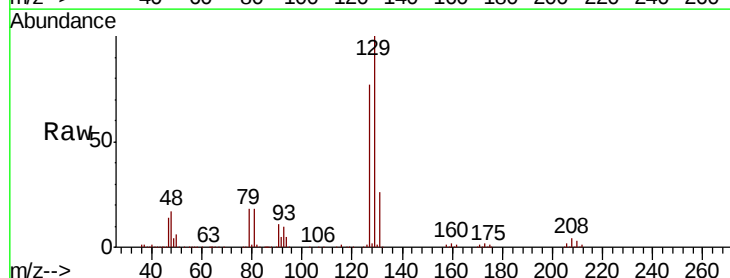
Acq: 2 May 2019 12:43

Tgt Ion: 129 Resp: 1739137

Ion Ratio Lower Upper

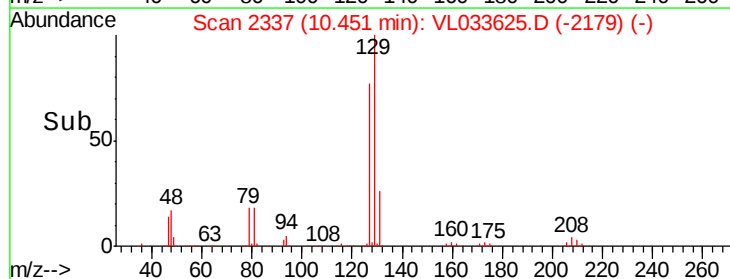
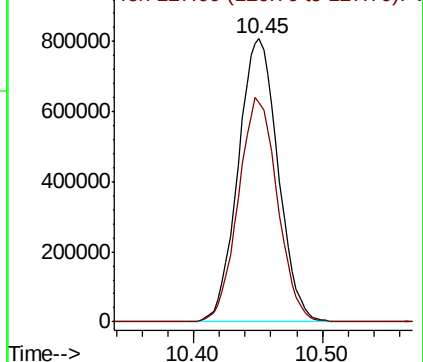
129 100

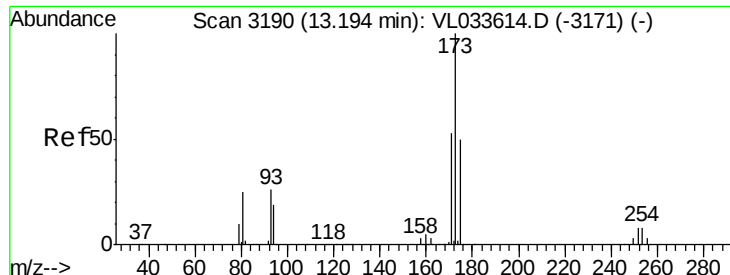
127 77.7 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.569 ppbv

RT: 13.20 min Scan# 3193

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL0502ABS01

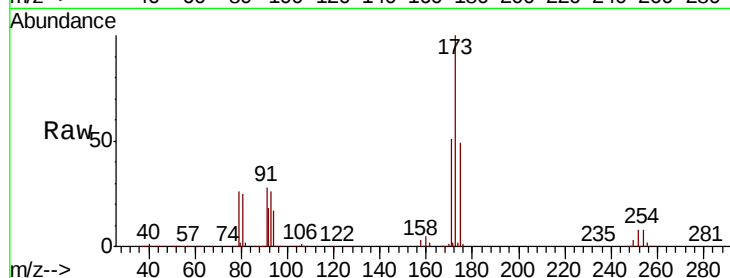
Tgt Ion:173 Resp: 1514703

Ion Ratio Lower Upper

173 100

175 49.3 39.0 58.6

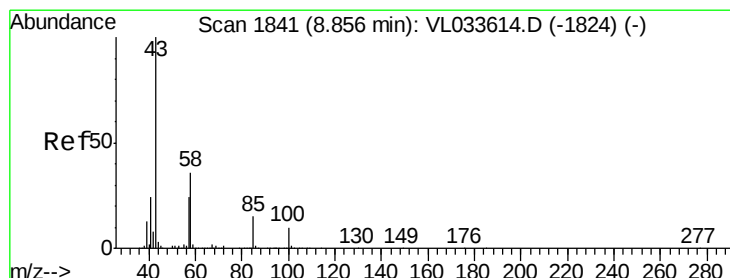
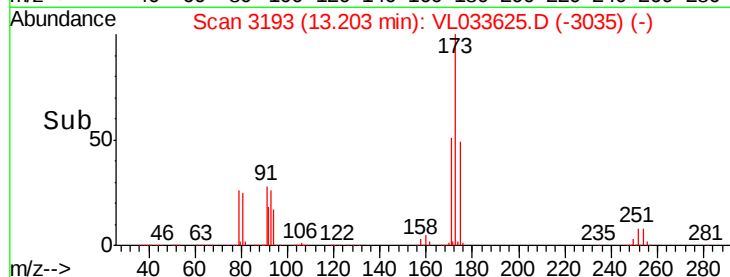
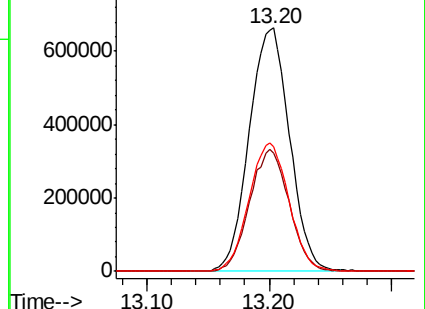
171 52.1 41.6 62.4



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: 9.654 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VL033625.D

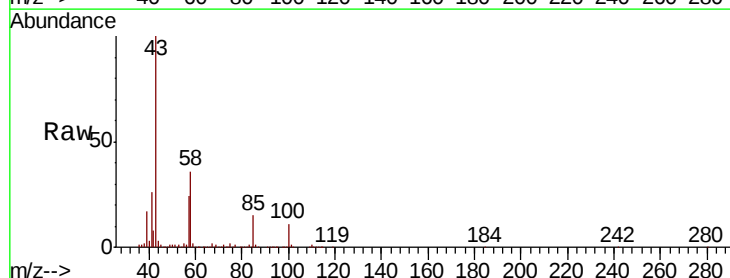
Acq: 2 May 2019 12:43

Tgt Ion: 43 Resp: 2451157

Ion Ratio Lower Upper

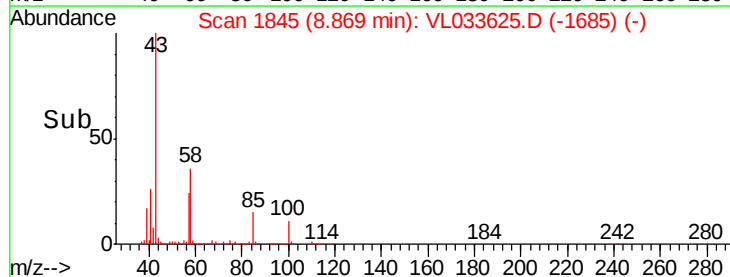
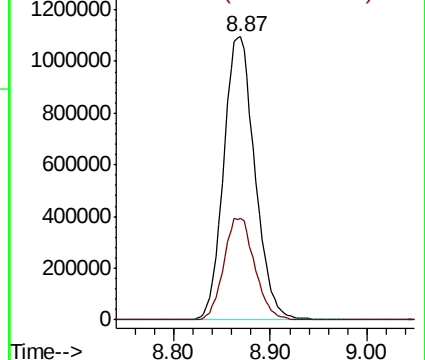
43 100

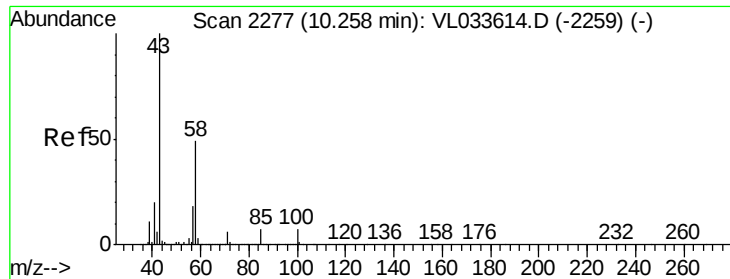
58 35.7 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.219 ppbv

RT: 10.27 min Scan# 2280

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL0502ABS01

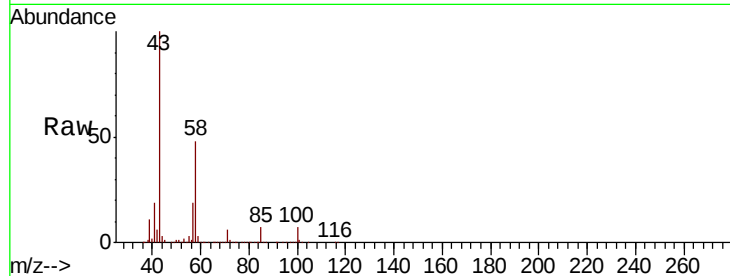
Tgt Ion: 43 Resp: 2054974

Ion Ratio Lower Upper

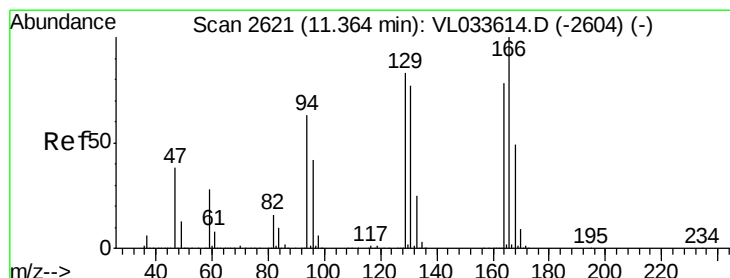
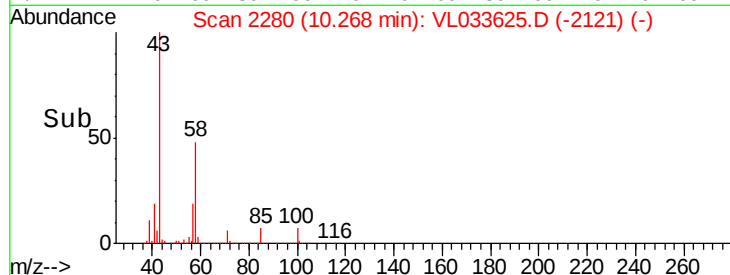
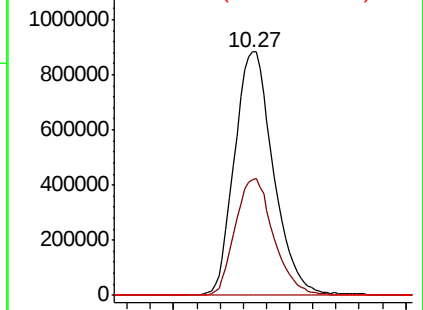
43 100

58 47.6 38.5 57.7

98 0.4 0.3 0.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.304 ppbv

RT: 11.37 min Scan# 2623

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Tgt Ion: 164 Resp: 890917

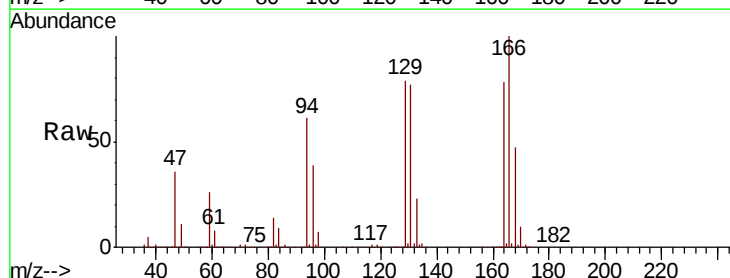
Ion Ratio Lower Upper

164 100

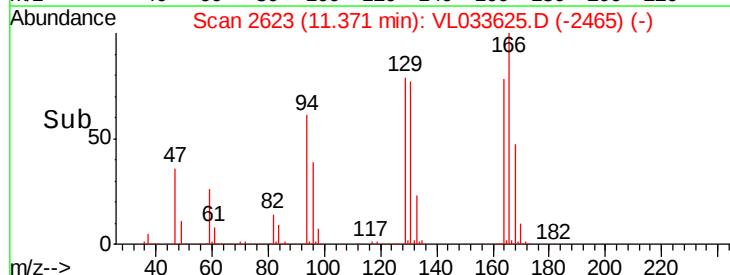
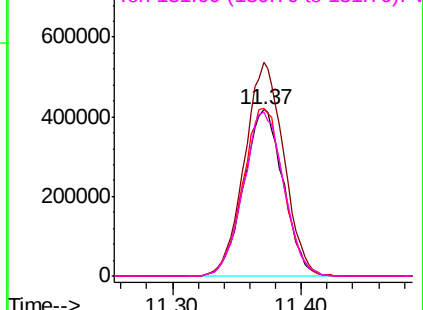
166 128.4 102.2 153.4

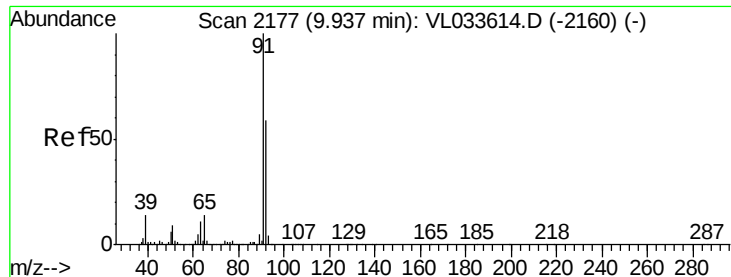
129 101.2 84.4 126.6

131 98.8 79.2 118.8



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.508 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

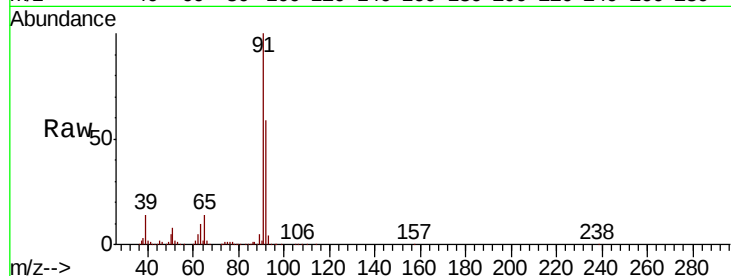
VL0502ABS01

Tgt Ion: 91 Resp: 2698452

Ion Ratio Lower Upper

91 100

92 59.4 47.8 71.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

1500000 Ion 92.10 (91.80 to 92.80): VL0

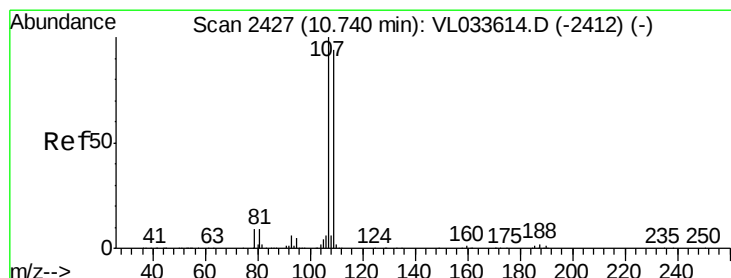
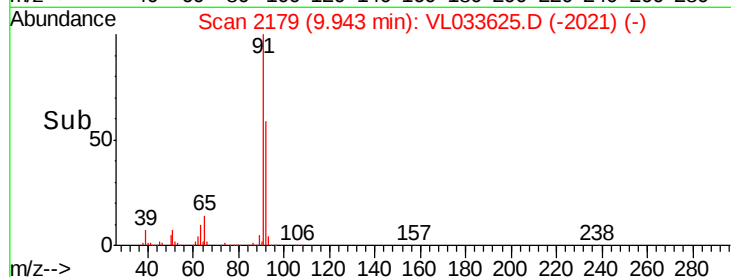
9.94

1000000

500000

0

Time-->



#54

1,2-Dibromoethane

Concen: 10.017 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. 0.02 min

Lab File: VL033625.D

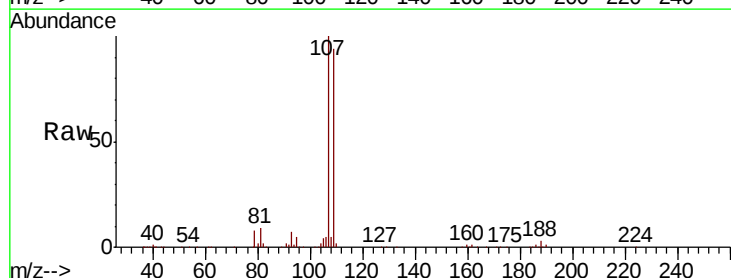
Acq: 2 May 2019 12:43

Tgt Ion: 107 Resp: 1523844

Ion Ratio Lower Upper

107 100

109 93.7 75.1 112.7



Abundance Ion 107.00 (106.70 to 107.70): V

800000 Ion 109.00 (108.70 to 109.70): V

10.76

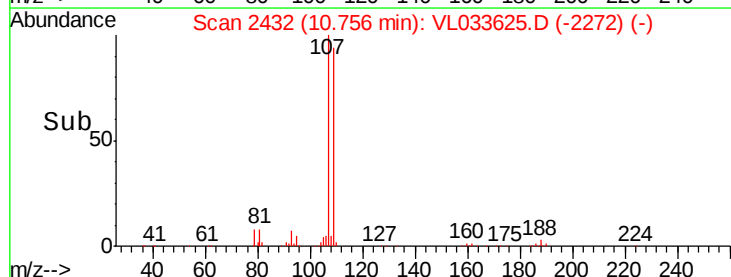
600000

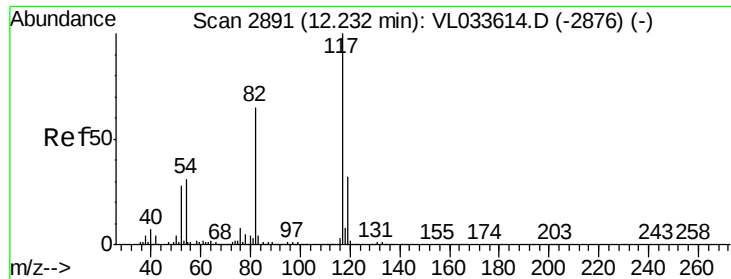
400000

200000

0

Time-->

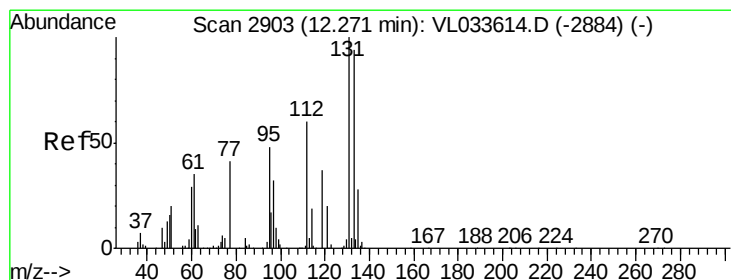
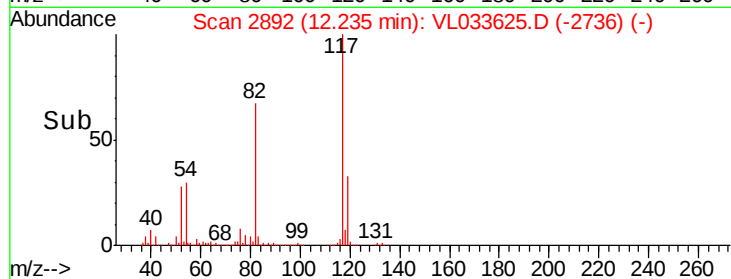
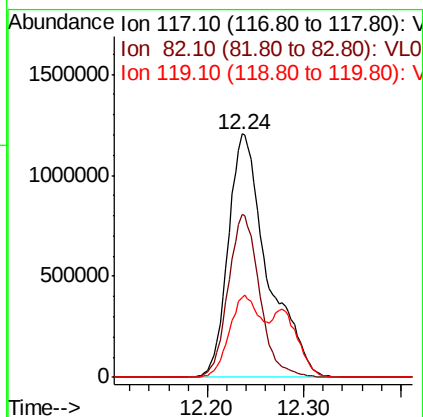
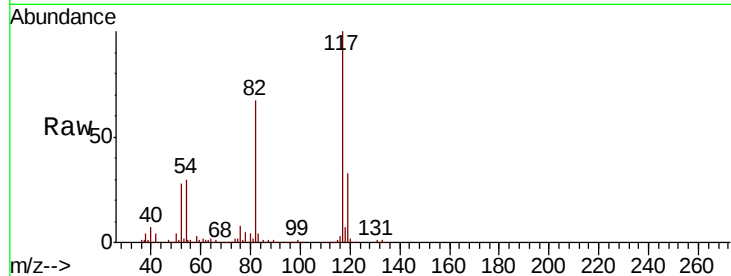




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. 0.00 min
Lab File: VL033625.D
Acq: 2 May 2019 12:43

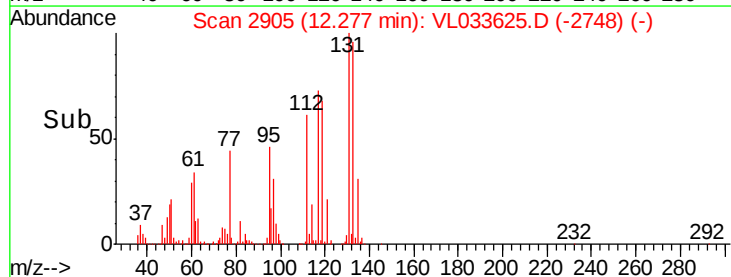
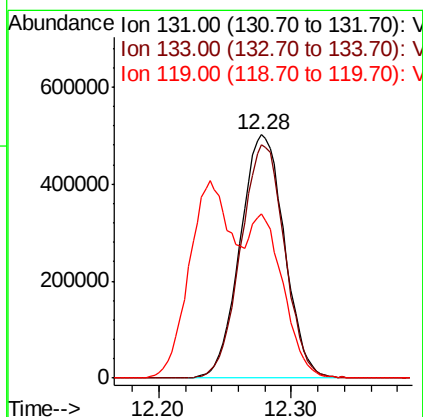
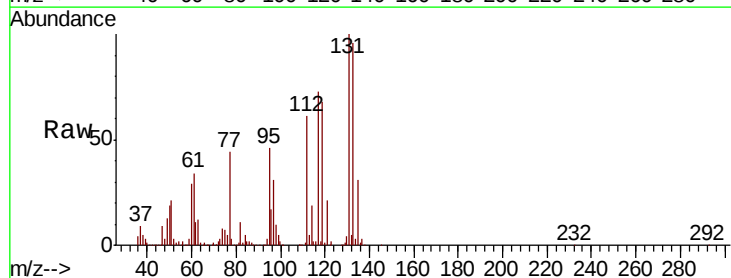
Instrument :
MSVOA_L
ClientSampleId :
VL0502ABS01

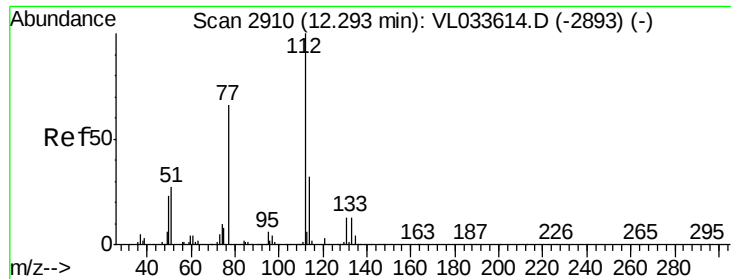
Tgt Ion:117 Resp: 3395417
Ion Ratio Lower Upper
117 100
82 54.0 52.6 78.8
119 28.6 28.3 42.5



#56
1,1,1,2-Tetrachloroethane
Concen: 7.928 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL033625.D
Acq: 2 May 2019 12:43

Tgt Ion:131 Resp: 1159571
Ion Ratio Lower Upper
131 100
133 95.6 76.4 114.6
119 51.8 40.9 61.3





#57

Chlorobenzene

Concen: 7.884 ppbv

RT: 12.30 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL0502ABS01

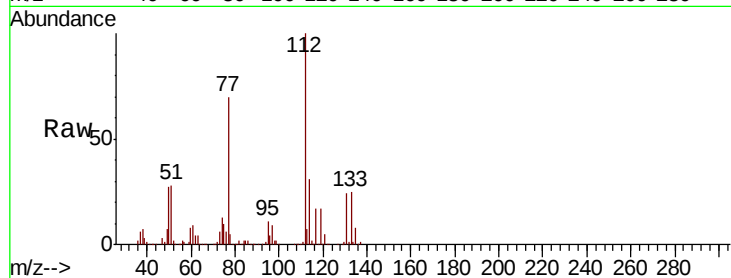
Tgt Ion: 112 Resp: 2054498

Ion Ratio Lower Upper

112 100

77 69.8 53.6 80.4

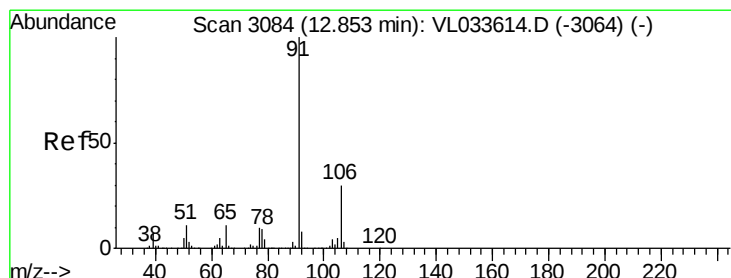
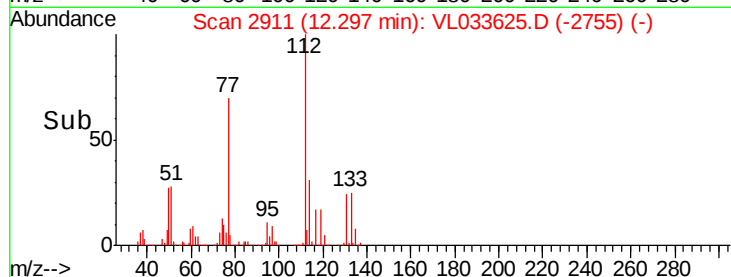
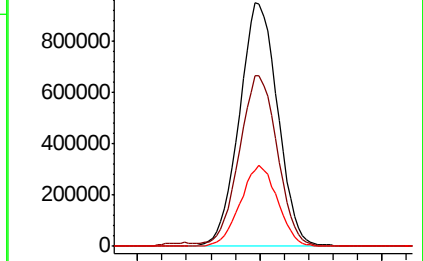
114 31.4 29.1 35.5



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.471 ppbv

RT: 12.86 min Scan# 3087

Delta R.T. 0.01 min

Lab File: VL033625.D

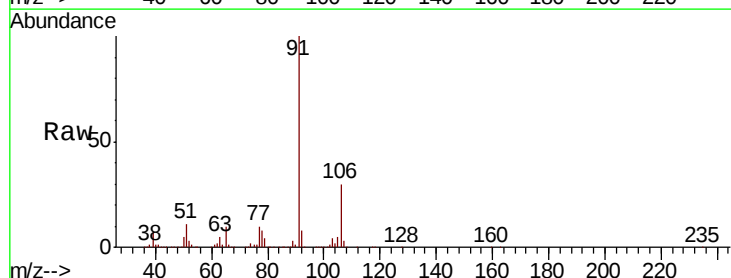
Acq: 2 May 2019 12:43

Tgt Ion: 91 Resp: 3702972

Ion Ratio Lower Upper

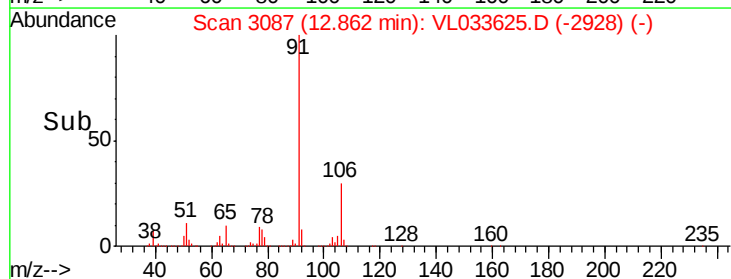
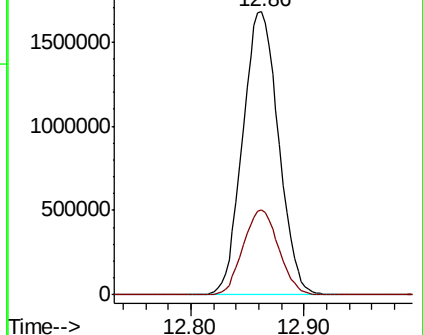
91 100

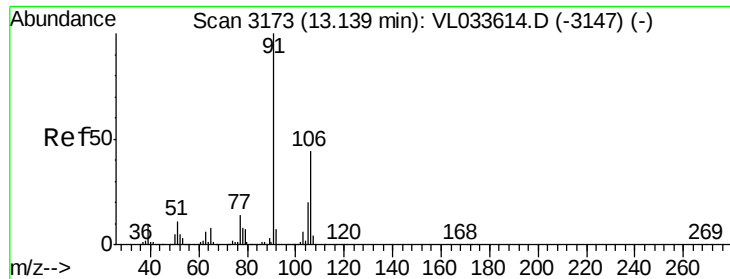
106 30.0 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

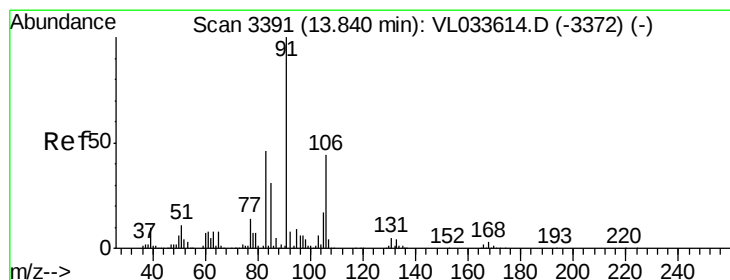
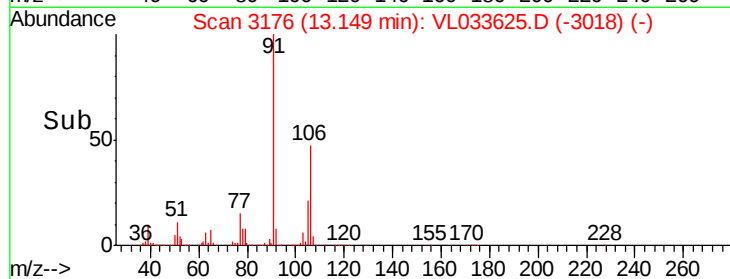
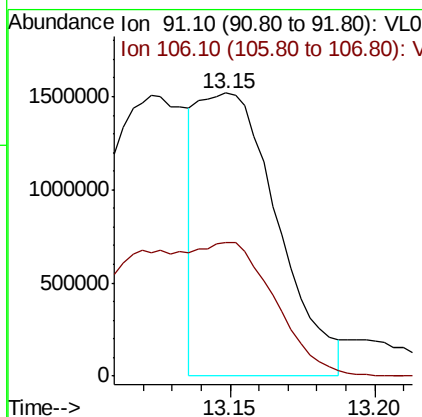
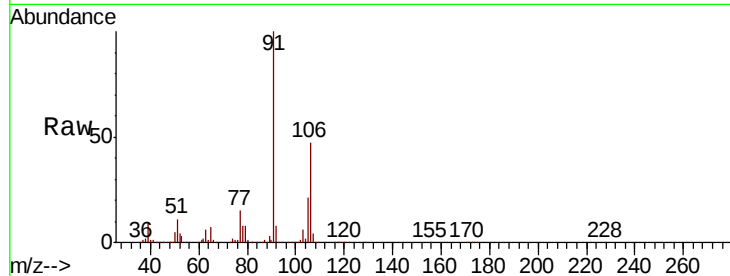




#59
m/p-Xylene
Concen: 8.597 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. 0.01 min
Lab File: VL033625.D
Acq: 2 May 2019 12:43

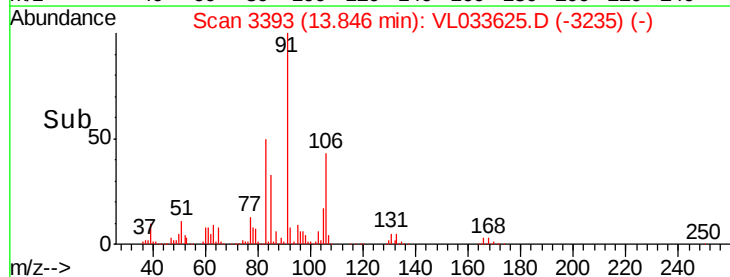
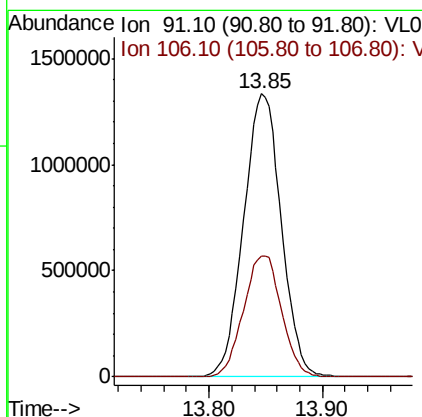
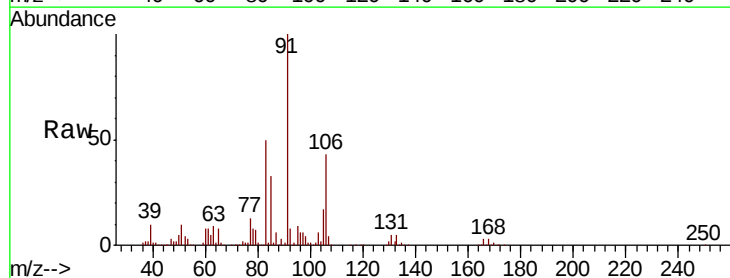
Instrument :
MSVOA_L
ClientSampleId :
VL0502ABS01

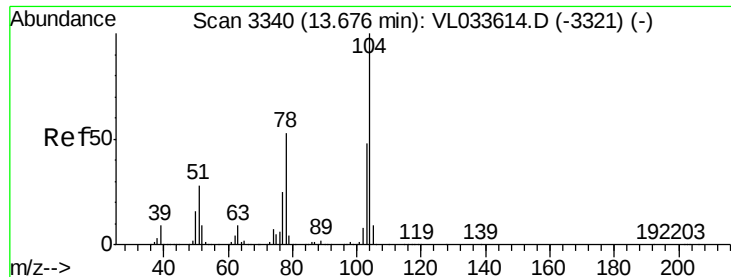
Tgt Ion: 91 Resp: 2891564
Ion Ratio Lower Upper
91 100
106 96.0 0.0 0.0#



#60
o-Xylene
Concen: 9.071 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. 0.01 min
Lab File: VL033625.D
Acq: 2 May 2019 12:43

Tgt Ion: 91 Resp: 3082082
Ion Ratio Lower Upper
91 100
106 43.2 21.8 65.4





#61

Styrene

Concen: 10.149 ppbv

RT: 13.68 min Scan# 3342

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL0502ABS01

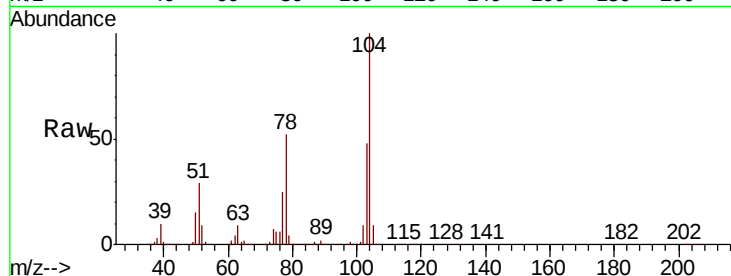
Tgt Ion:104 Resp: 2356829

Ion Ratio Lower Upper

104 100

78 53.2 42.7 64.1

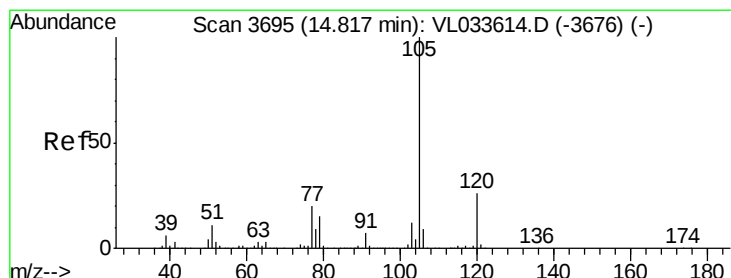
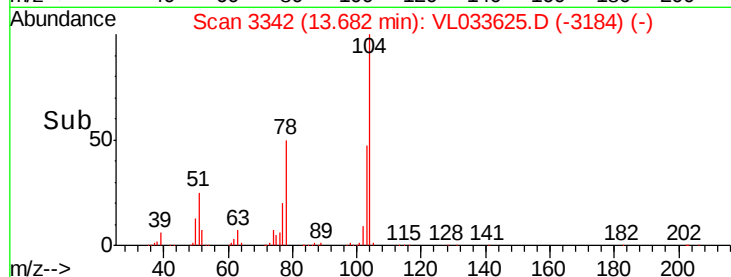
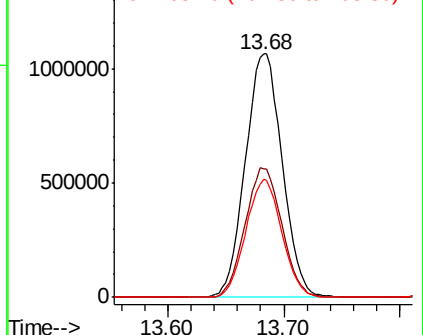
103 47.5 37.8 56.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.902 ppbv

RT: 14.82 min Scan# 3697

Delta R.T. 0.01 min

Lab File: VL033625.D

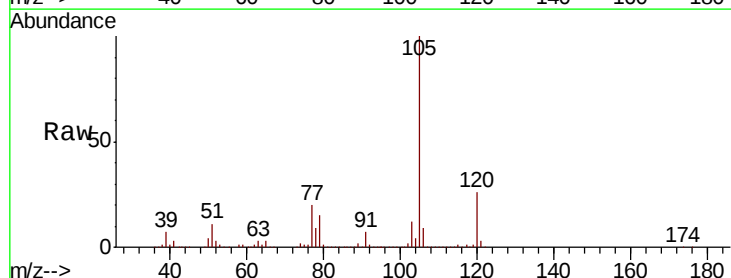
Acq: 2 May 2019 12:43

Tgt Ion:105 Resp: 4042308

Ion Ratio Lower Upper

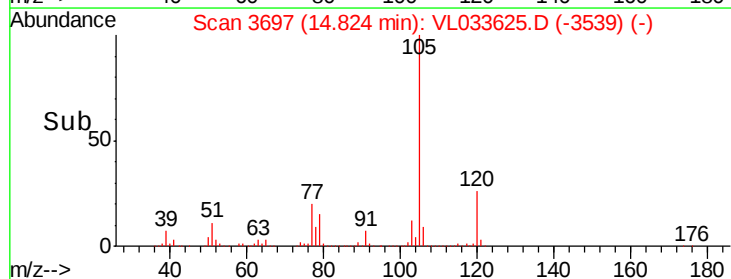
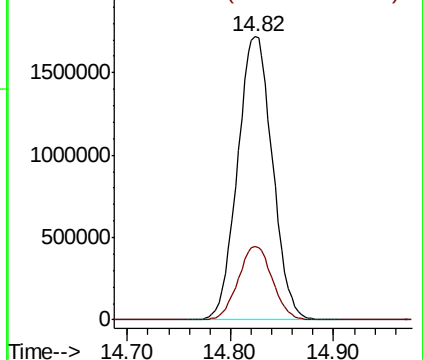
105 100

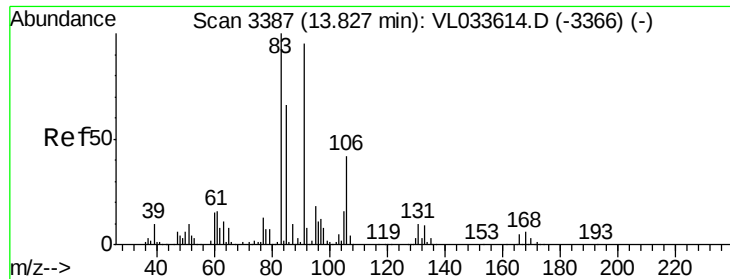
120 25.4 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

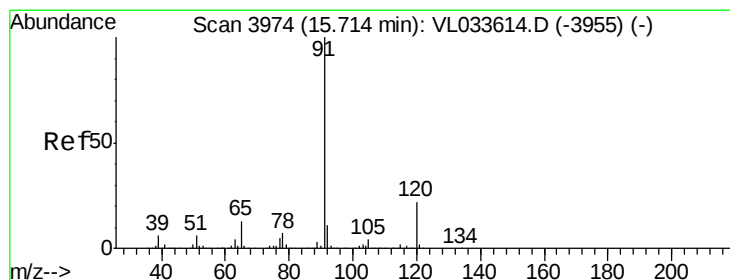
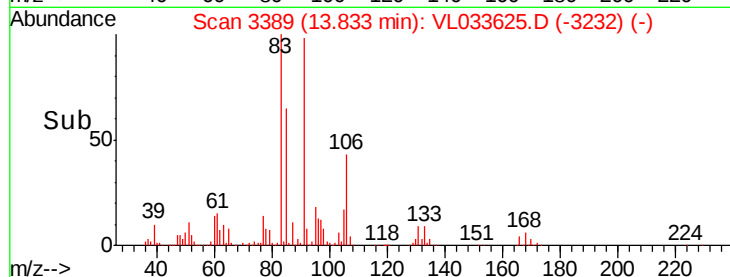
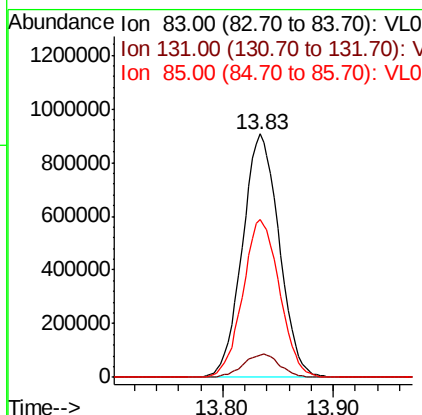
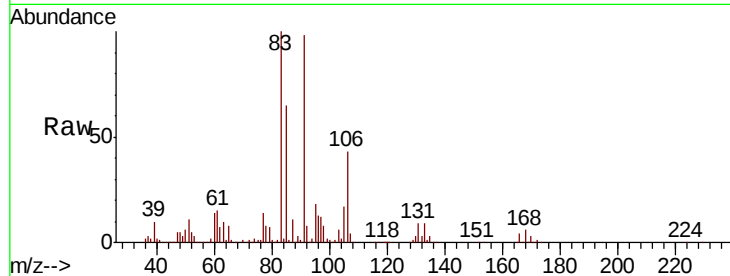




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.881 ppbv
 RT: 13.83 min Scan# 3389
 Delta R.T. 0.01 min
 Lab File: VL033625.D
 Acq: 2 May 2019 12:43

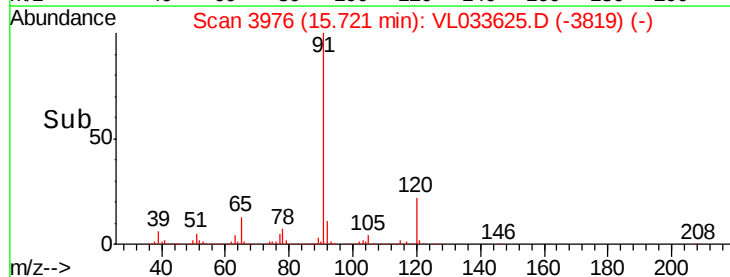
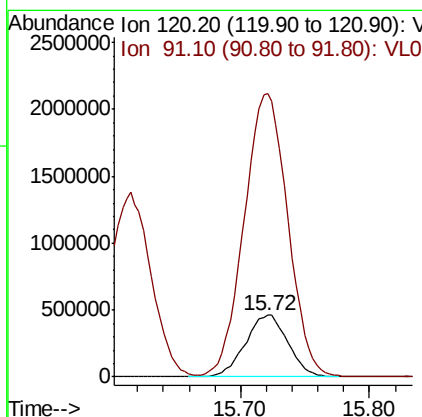
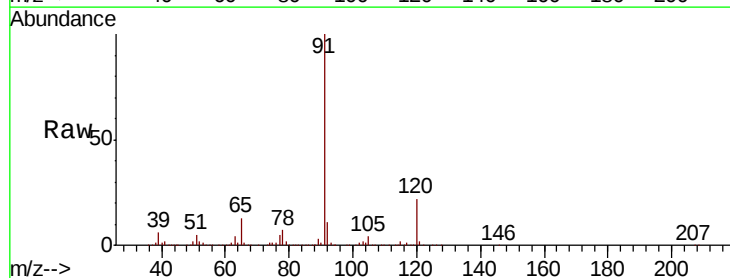
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0502ABS01

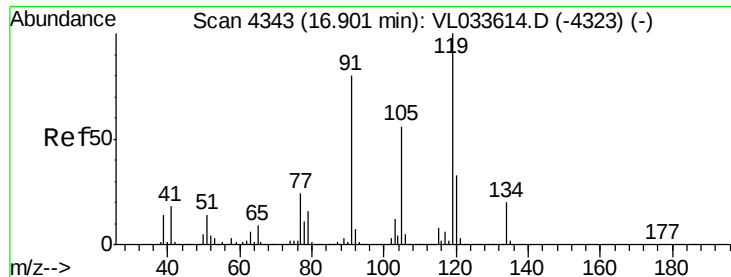
Tgt Ion: 83 Resp: 2090307
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.8 14.4
 85 64.9 32.3 96.8



#64
 n-propylbenzene
 Concen: 8.991 ppbv
 RT: 15.72 min Scan# 3976
 Delta R.T. 0.01 min
 Lab File: VL033625.D
 Acq: 2 May 2019 12:43

Tgt Ion: 120 Resp: 1058898
 Ion Ratio Lower Upper
 120 100
 91 472.9 380.2 570.2

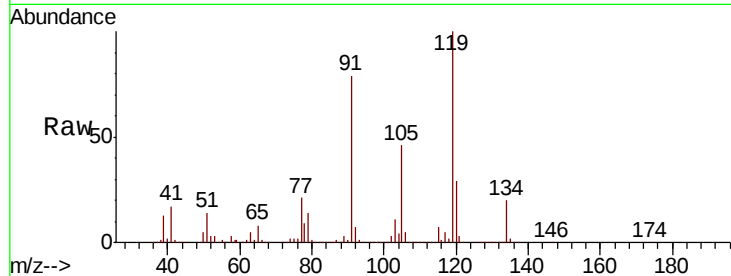




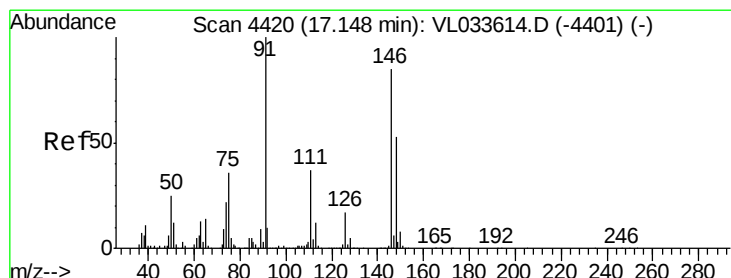
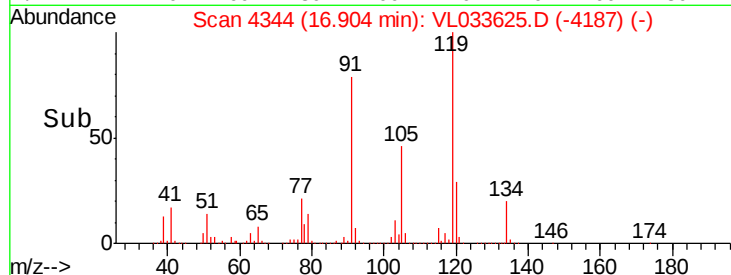
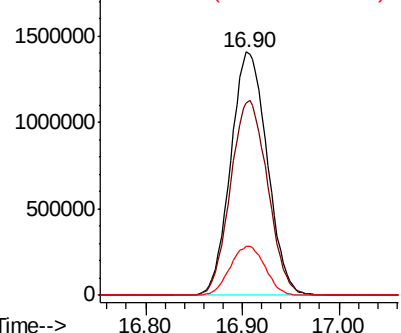
#65
tert-Butylbenzene
Concen: 8.677 ppbv
RT: 16.90 min Scan# 4344
Delta R.T. 0.00 min
Lab File: VL033625.D
Acq: 2 May 2019 12:43

Instrument :
MSVOA_L
ClientSampleId :
VL0502ABS01

Tgt Ion: 119 Resp: 3684751
Ion Ratio Lower Upper
119 100
91 81.7 66.1 99.1
134 19.3 15.6 23.4

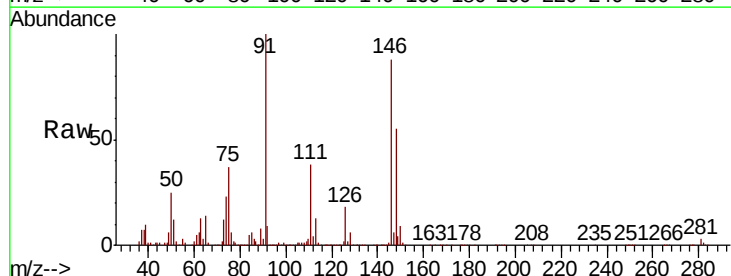


Abundance Ion 119.20 (118.90 to 119.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 134.20 (133.90 to 134.90): V

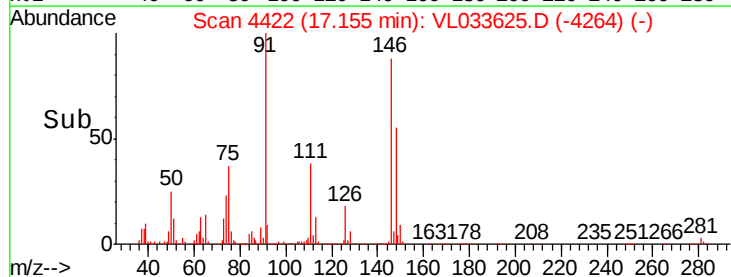
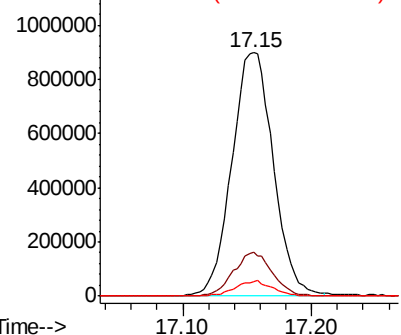


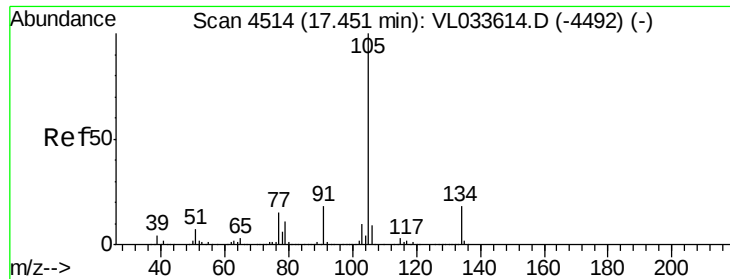
#66
Benzyl Chloride
Concen: 10.439 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. 0.01 min
Lab File: VL033625.D
Acq: 2 May 2019 12:43

Tgt Ion: 91 Resp: 2010267
Ion Ratio Lower Upper
91 100
126 16.9 13.4 20.2
128 5.5 4.3 6.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

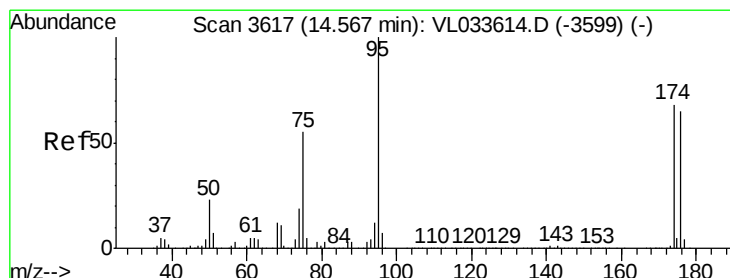
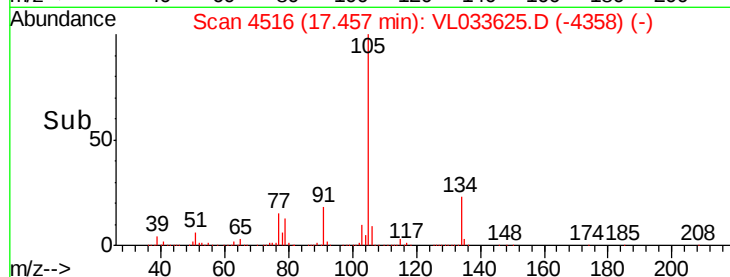
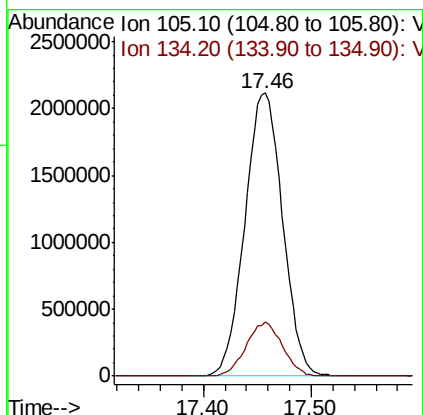
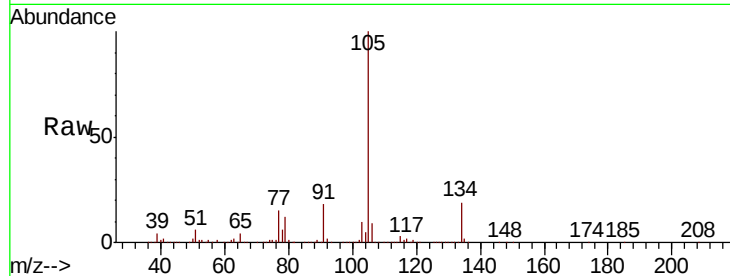




#67
 sec-Butylbenzene
 Concen: 8.612 ppbv
 RT: 17.46 min Scan# 4516
 Delta R.T. 0.01 min
 Lab File: VL033625.D
 Acq: 2 May 2019 12:43

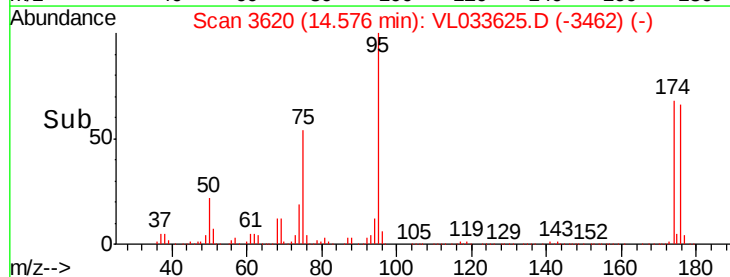
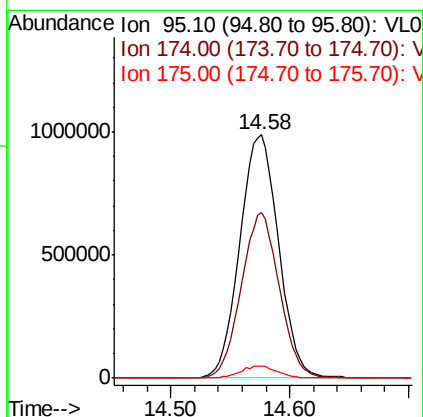
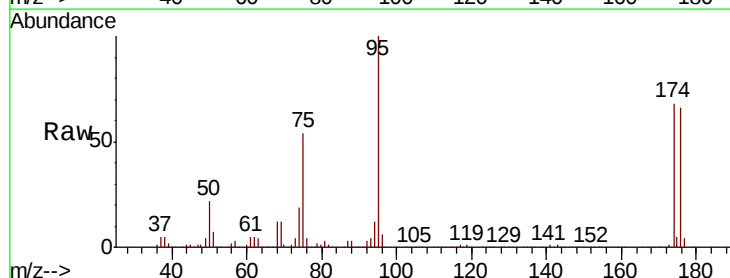
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0502ABS01

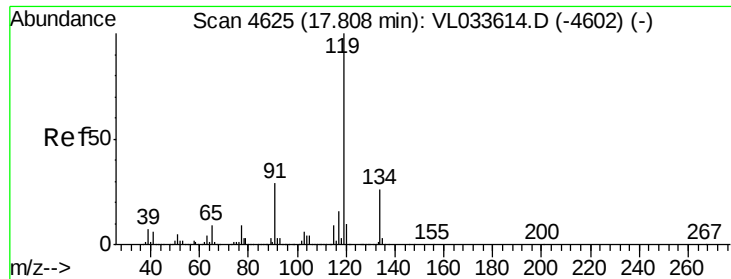
Tgt Ion: 105 Resp: 5136054
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.6 21.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.599 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. 0.01 min
 Lab File: VL033625.D
 Acq: 2 May 2019 12:43

Tgt Ion: 95 Resp: 2222748
 Ion Ratio Lower Upper
 95 100
 174 67.3 53.9 80.9
 175 4.9 4.0 6.0

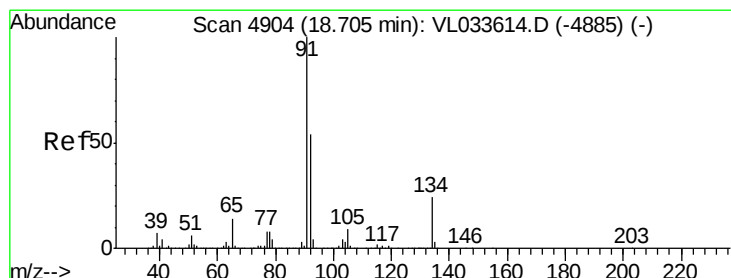
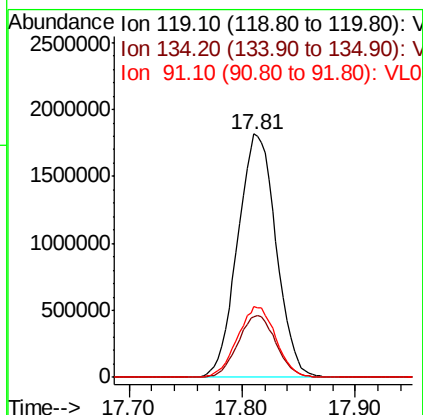
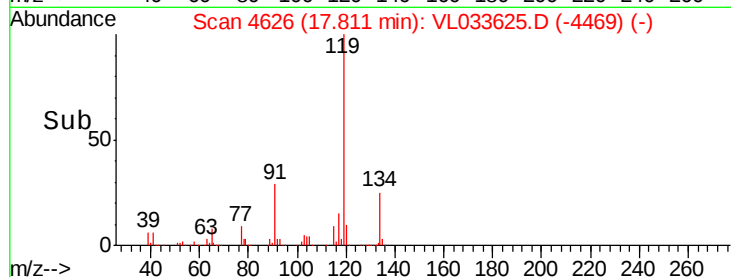
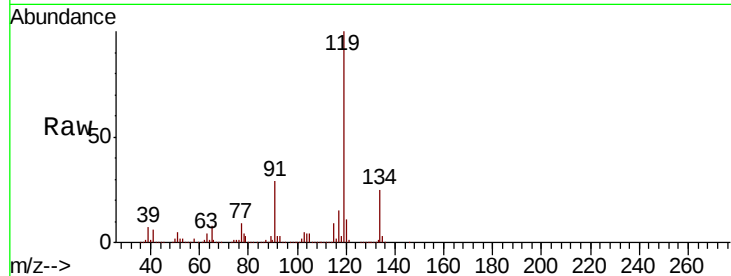




#69
p-Isopropyltoluene
Concen: 8.666 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. 0.00 min
Lab File: VL033625.D
Acq: 2 May 2019 12:43

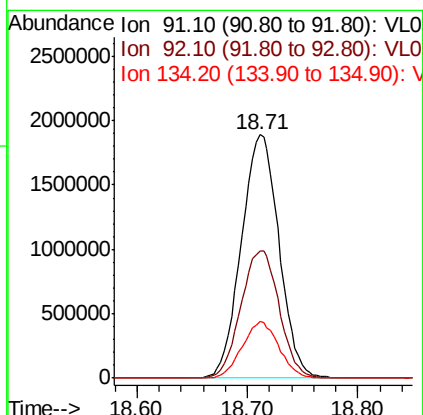
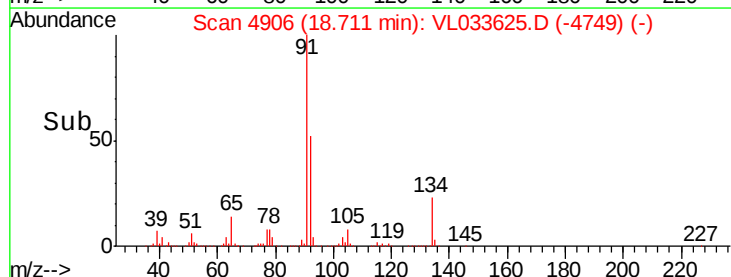
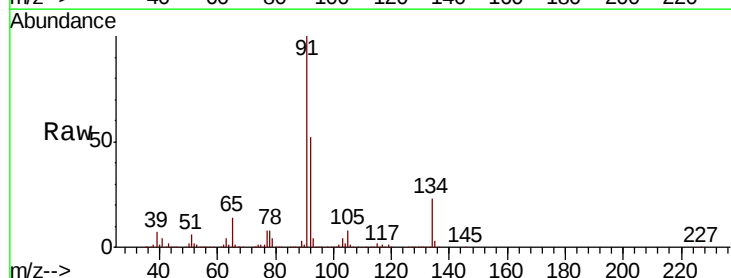
Instrument :
MSVOA_L
ClientSampleId :
VL0502ABS01

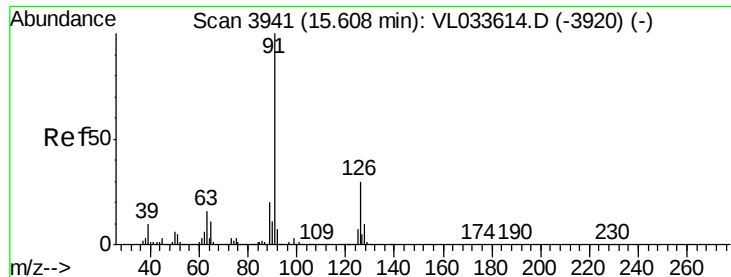
Tgt Ion: 119 Resp: 4299695
Ion Ratio Lower Upper
119 100
134 25.2 20.2 30.2
91 29.0 23.3 34.9



#70
n-Butylbenzene
Concen: 8.279 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. 0.01 min
Lab File: VL033625.D
Acq: 2 May 2019 12:43

Tgt Ion: 91 Resp: 4470060
Ion Ratio Lower Upper
91 100
92 53.4 42.6 64.0
134 22.6 18.0 27.0





#71

2-Chlorotoluene

Concen: 9.120 ppbv

RT: 15.61 min Scan# 3943

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

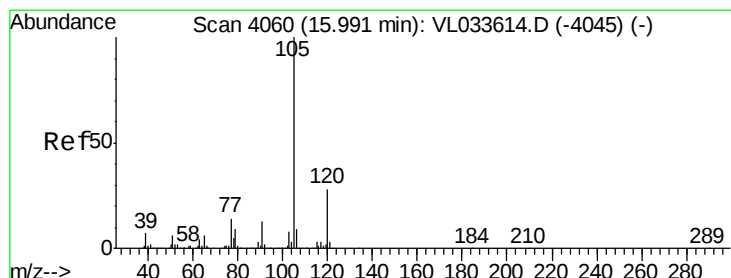
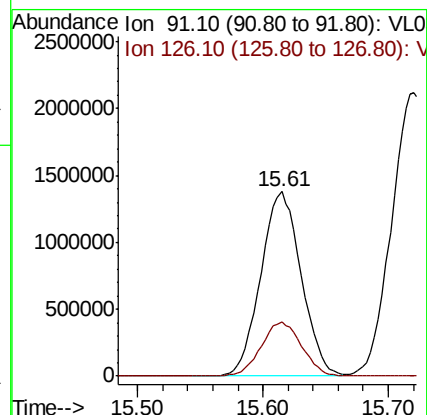
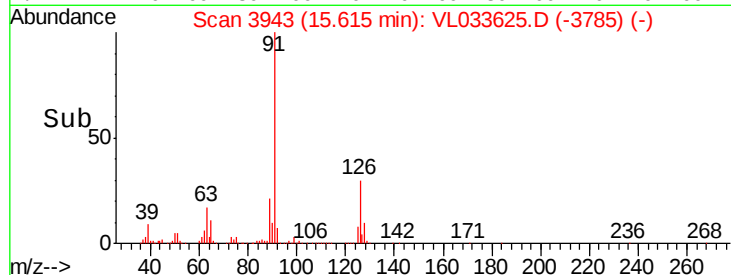
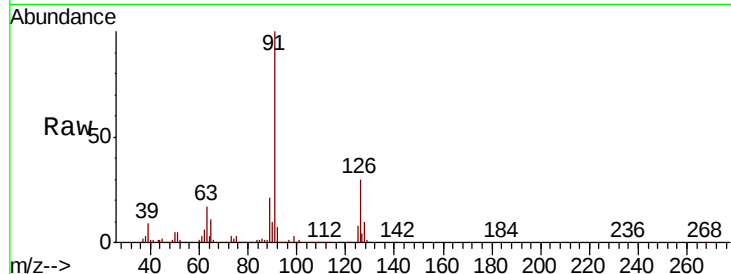
VL0502ABS01

Tgt Ion: 91 Resp: 3097458

Ion Ratio Lower Upper

91 100

126 29.5 11.9 47.7



#72

4-Ethyltoluene

Concen: 9.225 ppbv

RT: 16.00 min Scan# 4062

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Tgt Ion: 105 Resp: 3570308

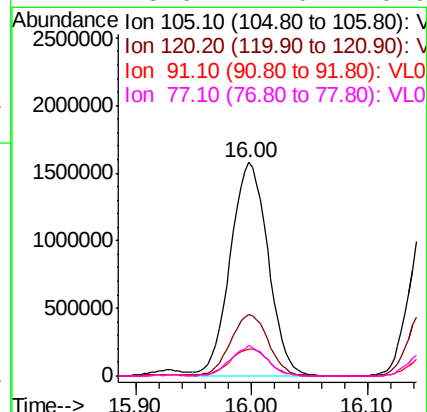
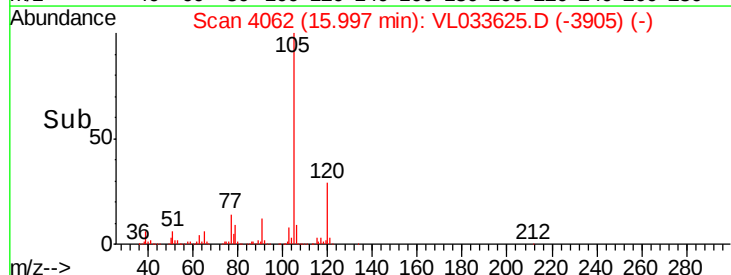
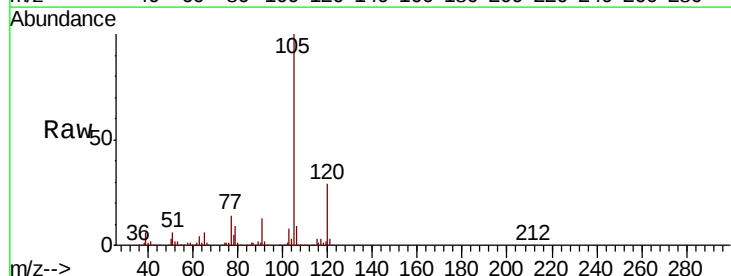
Ion Ratio Lower Upper

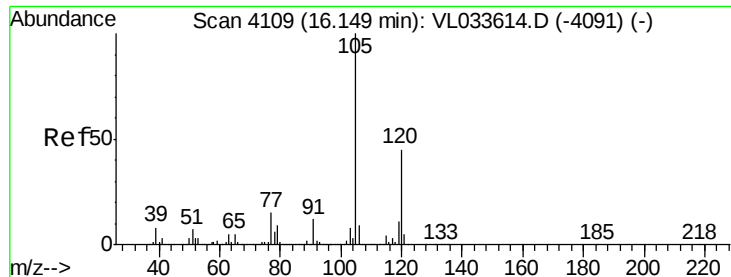
105 100

120 29.0 23.2 34.8

91 13.5 10.3 15.5

77 13.6 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 8.849 ppbv

RT: 16.16 min Scan# 4112

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

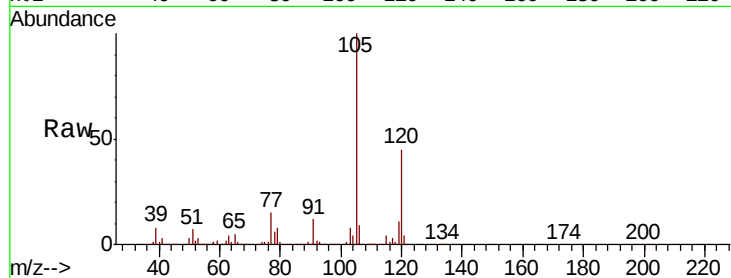
VL0502ABS01

Tgt Ion:105 Resp: 3367909

Ion Ratio Lower Upper

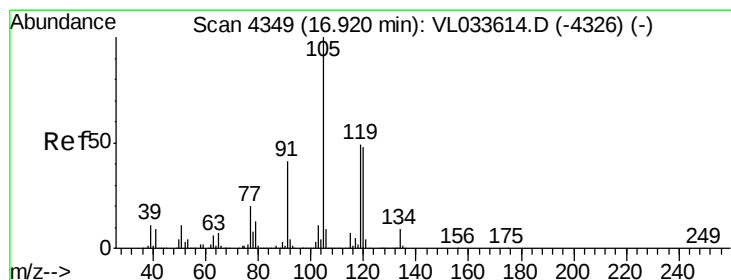
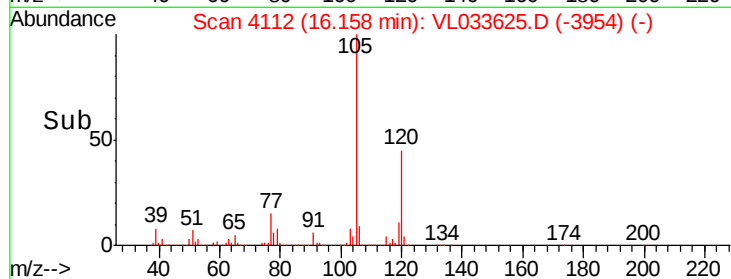
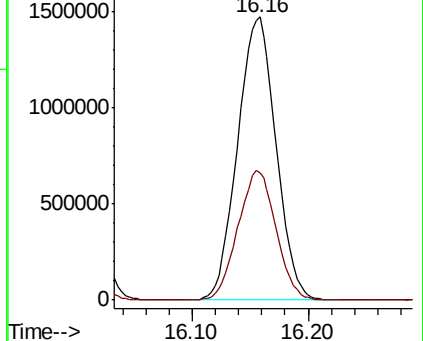
105 100

120 45.1 36.2 54.2



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: 8.384 ppbv

RT: 16.92 min Scan# 4350

Delta R.T. 0.00 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Tgt Ion:105 Resp: 3558833

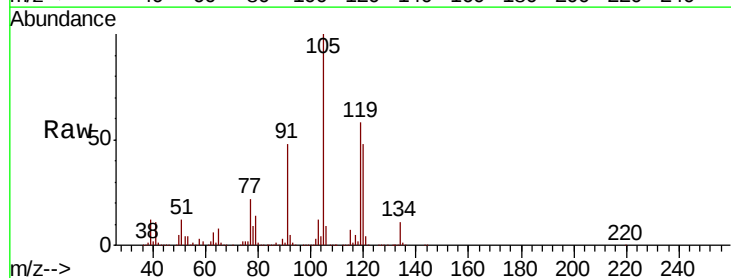
Ion Ratio Lower Upper

105 100

120 47.8 38.4 57.6

91 48.2 33.0 49.4

77 21.8 16.2 24.2

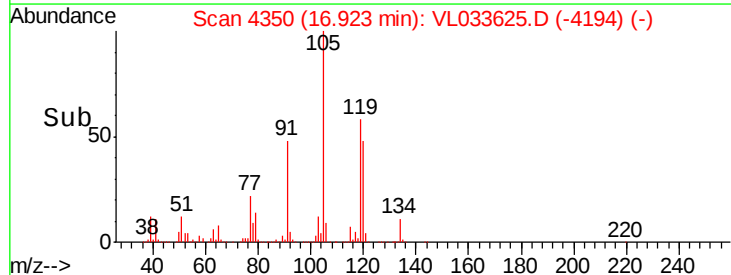
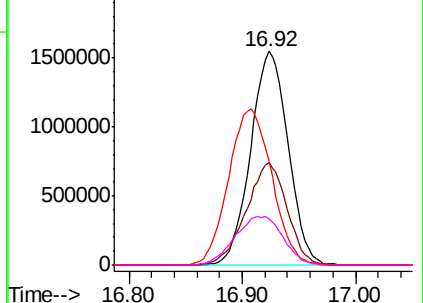


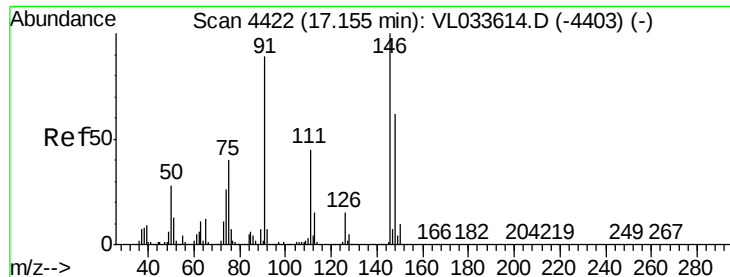
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 7.897 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL0502ABS01

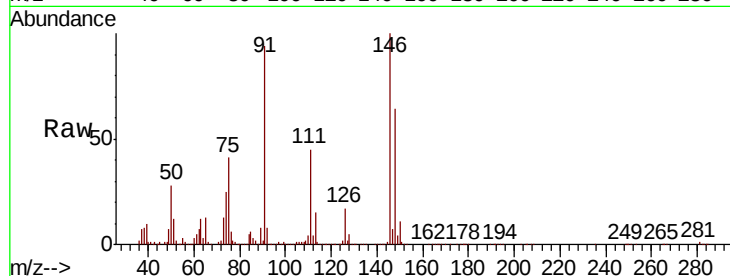
Tgt Ion:146 Resp: 2086840

Ion Ratio Lower Upper

146 100

111 45.2 22.4 67.2

148 64.4 32.0 96.0

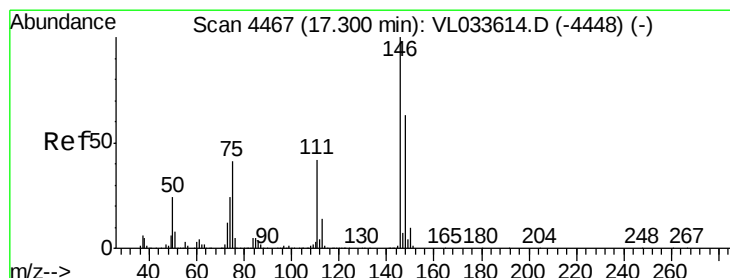
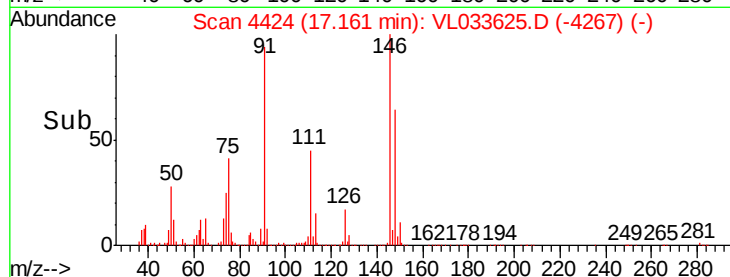
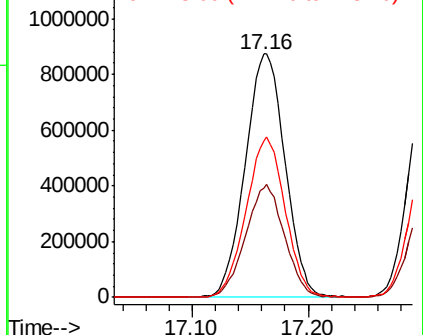


Abundance

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: 8.303 ppbv

RT: 17.31 min Scan# 4469

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

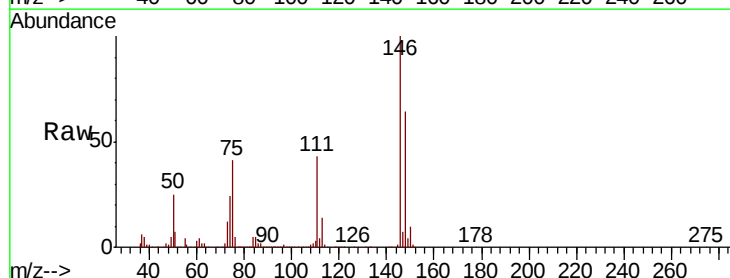
Tgt Ion:146 Resp: 2092137

Ion Ratio Lower Upper

146 100

111 43.8 21.6 65.0

148 63.9 32.3 96.9

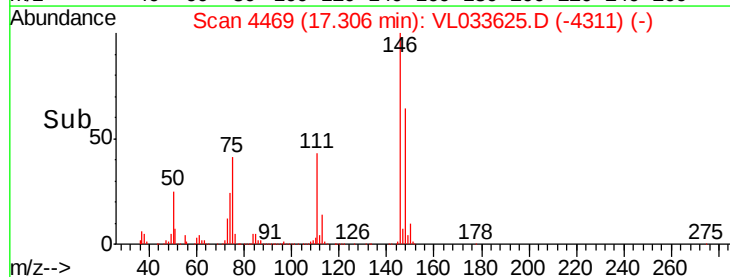
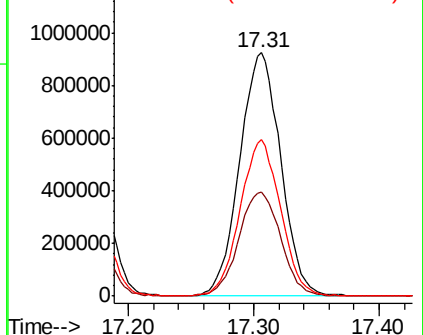


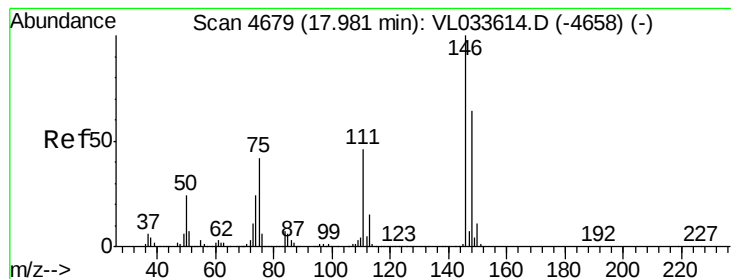
Abundance

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: 8.066 ppbv

RT: 17.99 min Scan# 4681

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL0502ABS01

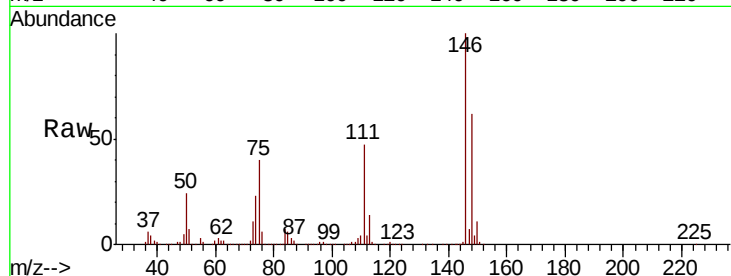
Tgt Ion:146 Resp: 1982758

Ion Ratio Lower Upper

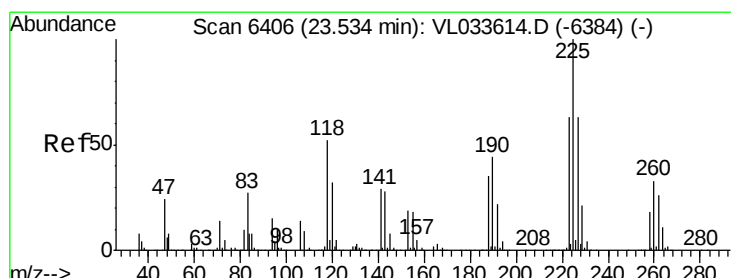
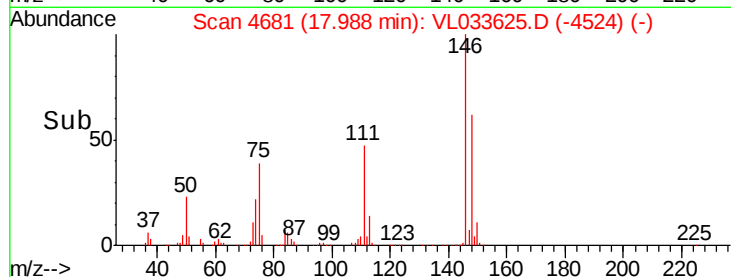
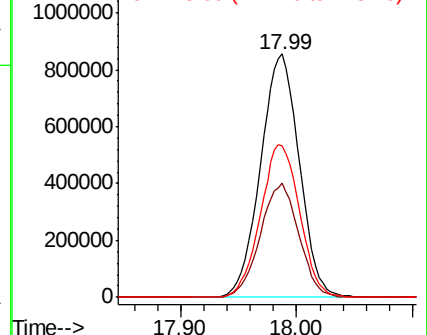
146 100

111 46.9 23.3 69.9

148 63.7 32.2 96.6



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: 9.728 ppbv

RT: 23.54 min Scan# 6408

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

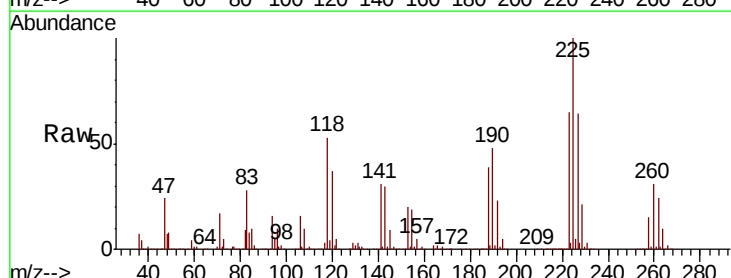
Tgt Ion:225 Resp: 1828403

Ion Ratio Lower Upper

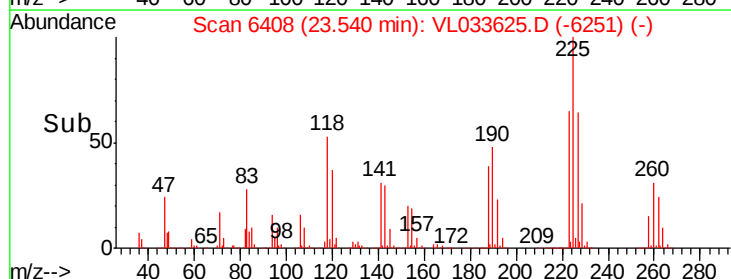
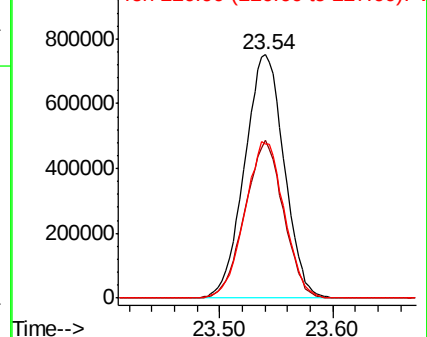
225 100

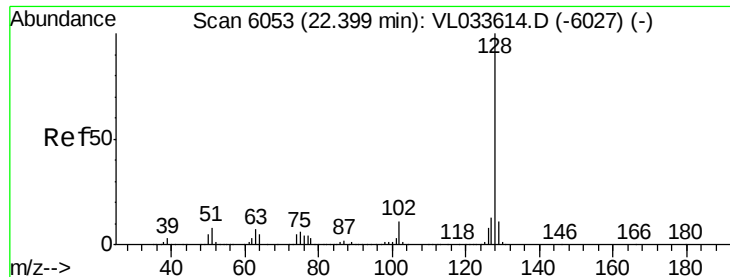
223 63.0 50.4 75.6

227 63.8 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: 10.559 ppbv

RT: 22.41 min Scan# 6055

Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Instrument :

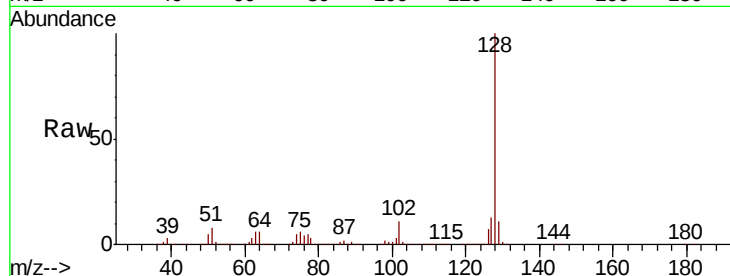
MSVOA_L

ClientSampleId :

VL0502ABS01

Tgt Ion:128 Resp: 4133615

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	16.0
129	11.4	8.6	13.0

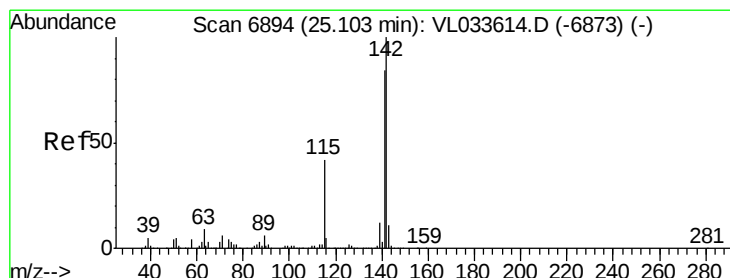
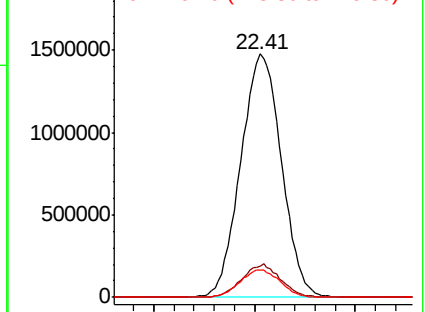
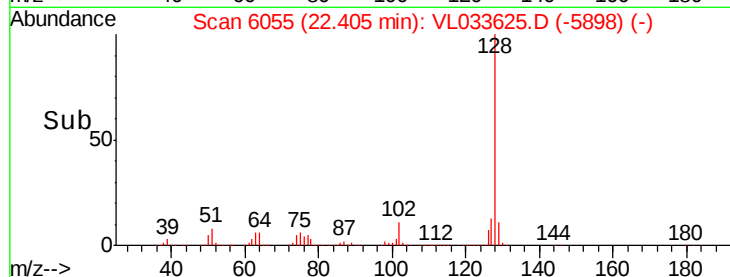


Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 12.099 ppbv

RT: 25.11 min Scan# 6896

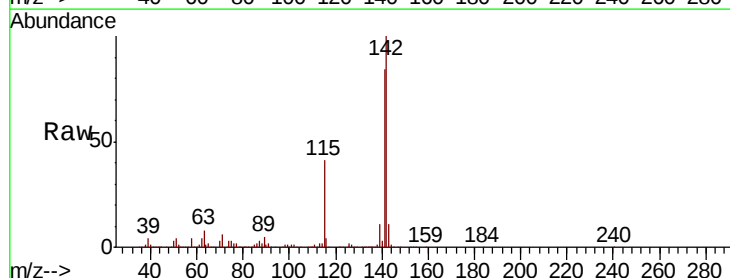
Delta R.T. 0.01 min

Lab File: VL033625.D

Acq: 2 May 2019 12:43

Tgt Ion:142 Resp: 2053352

Ion	Ratio	Lower	Upper
142	100		
141	84.4	67.3	100.9
115	41.3	33.8	50.8

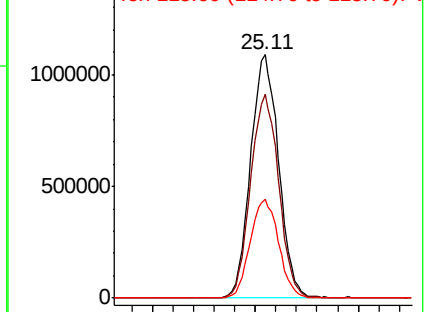
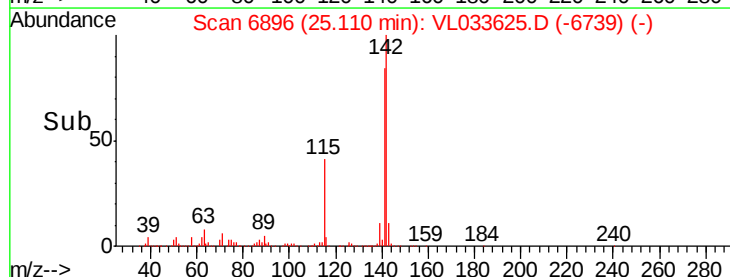


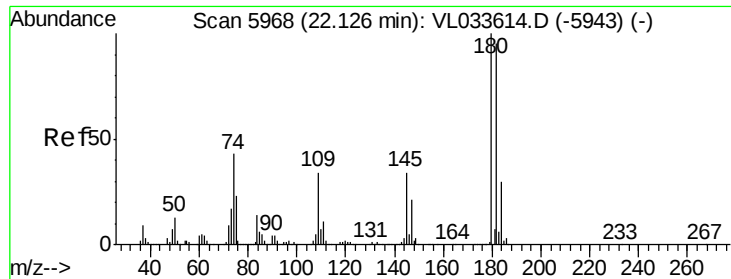
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.264 ppbv
 RT: 22.13 min Scan# 5970
 Delta R.T. 0.01 min
 Lab File: VL033625.D
 Acq: 2 May 2019 12:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0502ABS01

Tgt Ion:180 Resp: 2102999
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.2 114.2
 184 31.0 24.5 36.7

