

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071818\
 Data File : VL032268.D
 Acq On : 18 Jul 2018 19:47
 Operator : SY/AP
 Sample : VL0718ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 19 01:58:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 18 14:38:53 2018
 QLast Update : Wed Jul 18 14:38:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1685200	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3788112	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.34	117	5517101	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3493844	7.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.13	85	2612424	9.117 ppbv	99
3) Chlorodifluoromethane	3.06	51	1812799	9.585 ppbv	99
4) Chloromethane	3.22	50	1081684	9.714 ppbv	99
5) Vinyl Chloride	3.35	62	1040694	9.858 ppbv	99
6) Bromomethane	3.57	94	566422	9.844 ppbv	98
7) Chloroethane	3.66	64	374825	10.014 ppbv	98
8) Dichlorotetrafluoroethane	3.27	85	2125432	9.088 ppbv	100
9) Propene	3.09	41	868499	10.507 ppbv	100
10) Heptane	8.33	43	3050383	11.613 ppbv	98
11) Trichlorofluoromethane	4.07	101	2131970	9.516 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1384569	9.691 ppbv	100
13) Ethanol	3.71	45	187187	7.926 ppbv	95
14) Bromoethene	3.85	108	654414	10.159 ppbv	99
15) Acetone	3.96	43	1650750	9.359 ppbv	100
16) 1,3-Butadiene	3.42	39	868076	9.662 ppbv	95
17) tert-Butyl alcohol	4.42	59	578616	10.403 ppbv	100
18) 1,1-Dichloroethene	4.42	96	657090	9.847 ppbv	99
19) Isopropyl Alcohol	4.09	45	1187993	9.959 ppbv	99
20) Methylene Chloride	4.48	84	581996	8.571 ppbv	98
21) Allyl Chloride	4.55	41	1214767	10.457 ppbv	99
22) trans-1,2-Dichloroethene	5.04	96	692500	9.996 ppbv	97
23) Vinyl Acetate	5.23	43	3266885	10.328 ppbv	99
24) 1,1-Dichloroethane	5.16	63	2194069	9.562 ppbv	100
25) Ethyl Acetate	5.85	43	3715605	9.671 ppbv	100
26) Hexane	5.86	57	1691515	9.587 ppbv	99
27) Carbon Disulfide	4.69	76	1709292	10.941 ppbv	99
28) Methyl tert-Butyl Ether	5.18	73	2626915	10.042 ppbv	100
29) Chloroform	5.93	83	2476687	9.521 ppbv	97
30) Cyclohexane	7.33	84	1500025	10.133 ppbv	99
31) cis-1,2-Dichloroethene	5.72	61	1731271	10.234 ppbv	97
32) 1,1,1-Trichloroethane	6.70	97	2478606	9.418 ppbv	99
34) 2-Butanone	5.41	43	2641904	10.164 ppbv	99
35) Carbon Tetrachloride	7.22	117	2534951	9.730 ppbv	99
36) Benzene	7.09	78	3719831	9.976 ppbv	99
37) 1,2-Dichloroethane	6.50	62	2051821	9.315 ppbv	100
38) Trichloroethene	8.05	130	1140886	9.249 ppbv	99
39) 1,2-Dichloropropane	7.82	63	1526339	10.340 ppbv	99
40) 1,4-Dioxane	8.04	88	416546	9.553 ppbv	# 12
41) Tetrahydrofuran	6.23	42	1622297	10.699 ppbv	99
42) Bromodichloromethane	8.01	83	2649285	9.553 ppbv	95
43) Methyl Methacrylate	8.22	69	1512306	9.896 ppbv	99

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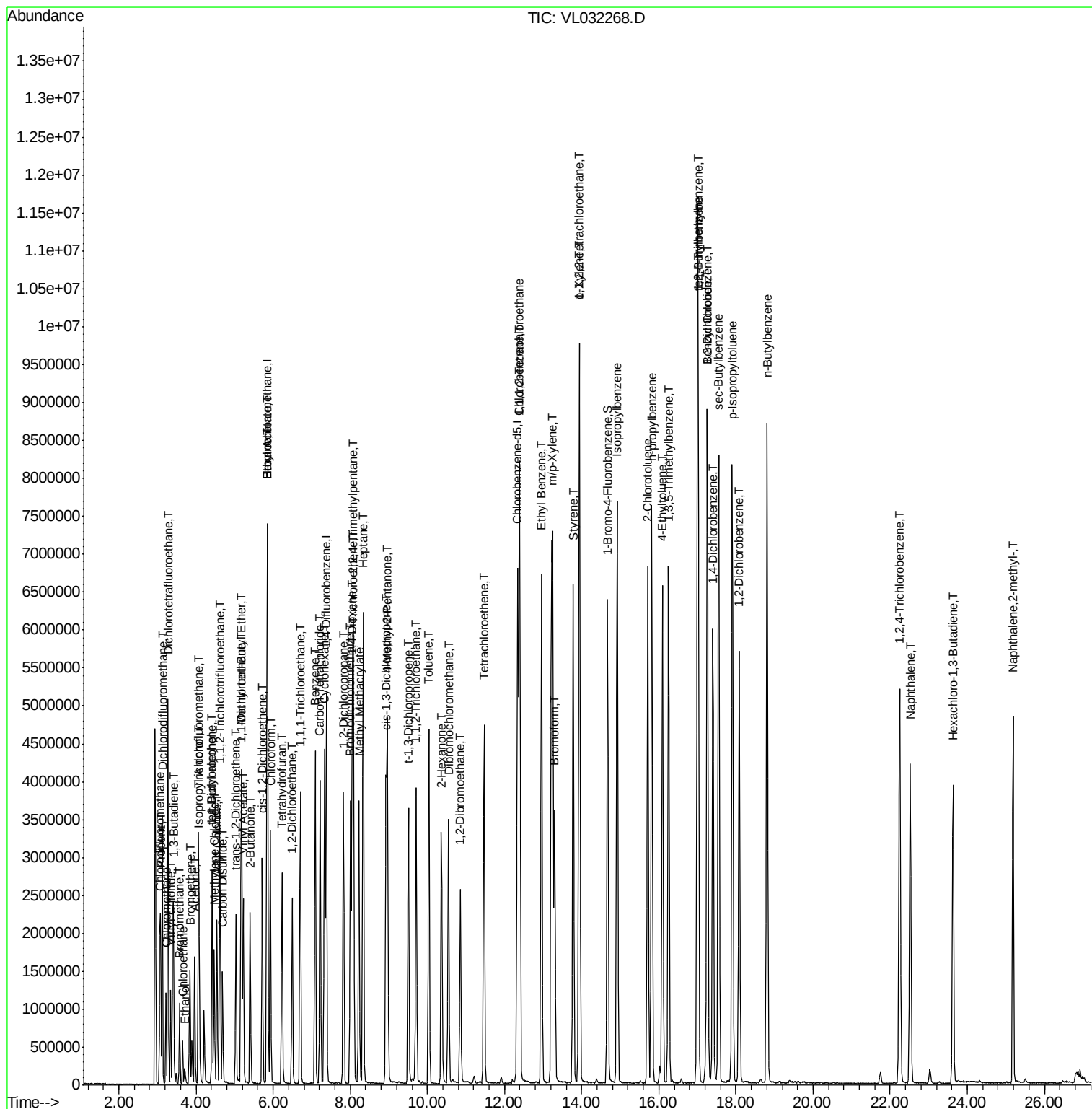
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	6037115	9.290	ppbv	99
45) t-1,3-Dichloropropene	9.51	75	2261340	12.558	ppbv	97
46) cis-1,3-Dichloropropene	8.93	75	2345130	10.211	ppbv	98
47) 1,1,2-Trichloroethane	9.71	97	1420193	8.902	ppbv	96
48) Dibromochloromethane	10.55	129	2200465	9.457	ppbv	99
49) Bromoform	13.30	173	2117006	10.426	ppbv	100
50) 4-Methyl-2-Pentanone	8.96	43	4126997	9.648	ppbv	100
51) 2-Hexanone	10.36	43	3289106	10.087	ppbv #	100
52) Tetrachloroethene	11.47	164	1168980	9.179	ppbv	98
53) Toluene	10.04	91	3812202	8.433	ppbv	99
54) 1,2-Dibromoethane	10.85	107	2251250	9.565	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.38	131	1851253	7.534	ppbv	98
57) Chlorobenzene	12.40	112	3419256	7.555	ppbv	99
58) Ethyl Benzene	12.96	91	6357447	8.177	ppbv	98
59) m/p-Xylene	13.24	91	4211364	6.350	ppbv #	1
60) o-Xylene	13.95	91	4958960	7.508	ppbv	100
61) Styrene	13.78	104	4028301	8.213	ppbv	99
62) Isopropylbenzene	14.92	105	6985706	7.377	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.93	83	3664868	6.507	ppbv	100
64) n-propylbenzene	15.82	120	1801650	7.410	ppbv	97
65) tert-Butylbenzene	17.00	119	5677510	7.037	ppbv	100
66) Benzyl Chloride	17.25	91	3792985	8.350	ppbv	99
67) sec-Butylbenzene	17.56	105	8540186	7.095	ppbv	100
69) p-Isopropyltoluene	17.91	119	6823917	7.339	ppbv	100
70) n-Butylbenzene	18.81	91	7694055	7.418	ppbv	100
71) 2-Chlorotoluene	15.71	91	5596543	7.374	ppbv	100
72) 4-Ethyltoluene	16.10	105	5841797	7.656	ppbv	100
73) 1,3,5-Trimethylbenzene	16.26	105	5517644	7.396	ppbv	97
74) 1,2,4-Trimethylbenzene	17.02	105	5414760	6.933	ppbv	98
75) 1,3-Dichlorobenzene	17.26	146	2973792	6.853	ppbv	100
76) 1,4-Dichlorobenzene	17.40	146	3045876	7.076	ppbv	99
77) 1,2-Dichlorobenzene	18.09	146	2952792	7.038	ppbv	100
78) Hexachloro-1,3-Butadiene	23.63	225	976499	7.180	ppbv	99
79) Naphthalene	22.52	128	5239190	7.988	ppbv	99
80) Naphthalene, 2-methyl-	25.19	142	2573060	9.235	ppbv	99
81) 1,2,4-Trichlorobenzene	22.25	180	2447981	7.654	ppbv	100

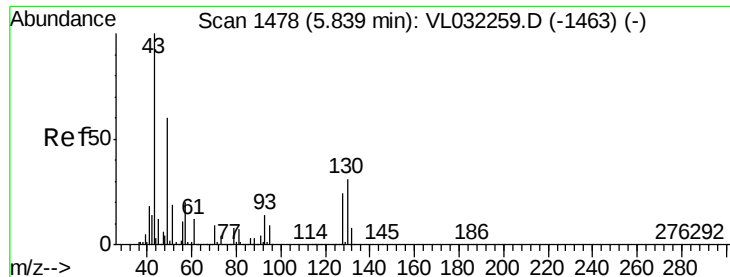
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1478

Delta R.T. 0.00 min

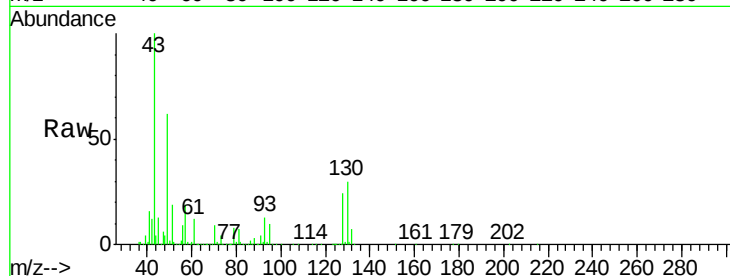
Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1685200

Ion	Ratio	Lower	Upper
49	100		
128	40.1	20.1	60.2
130	50.7	25.9	77.6

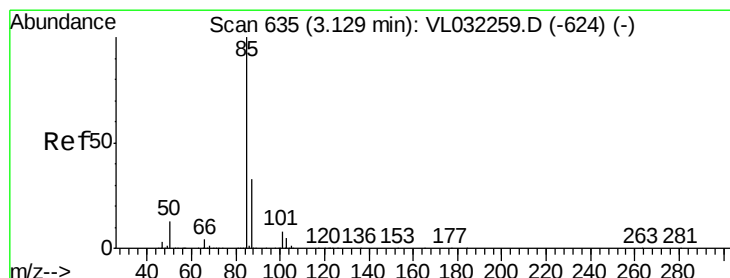
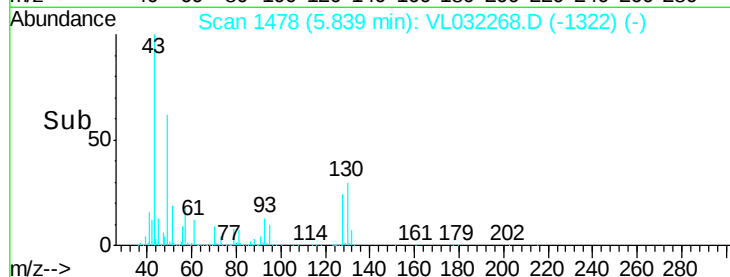


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



#2

Dichlorodifluoromethane

Concen: 9.117 ppbv

RT: 3.13 min Scan# 635

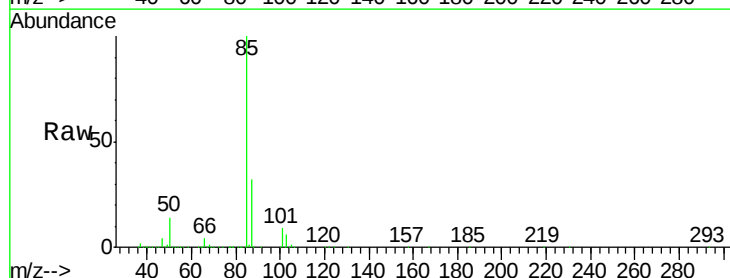
Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Tgt Ion: 85 Resp: 2612424

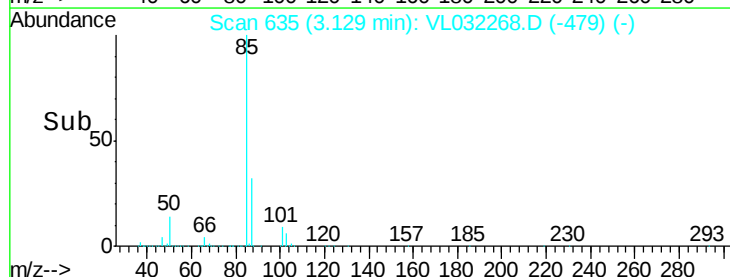
Ion	Ratio	Lower	Upper
85	100		
87	32.2	26.2	39.2

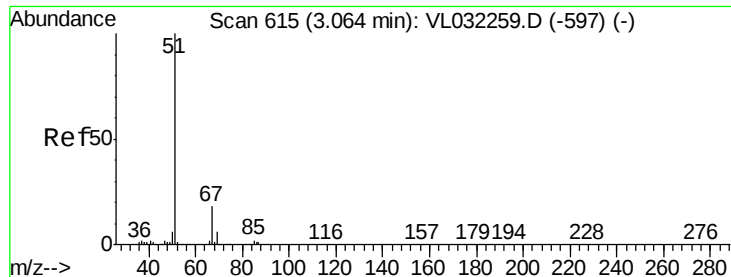


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Time-->





#3

Chlorodifluoromethane

Concen: 9.585 ppbv

RT: 3.06 min Scan# 615

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

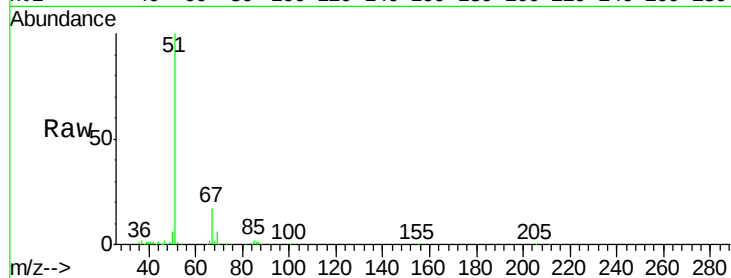
ClientSampleId :

Tot Ion: 51 Resp: 1812799

Ion Ratio Lower Upper

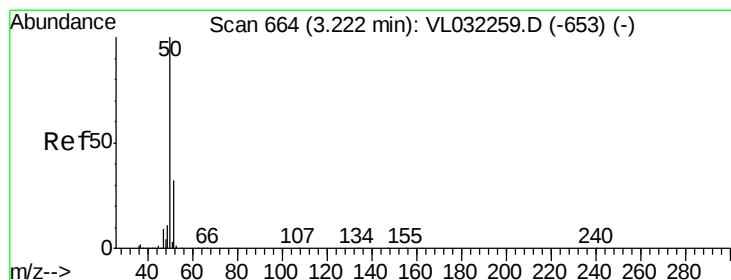
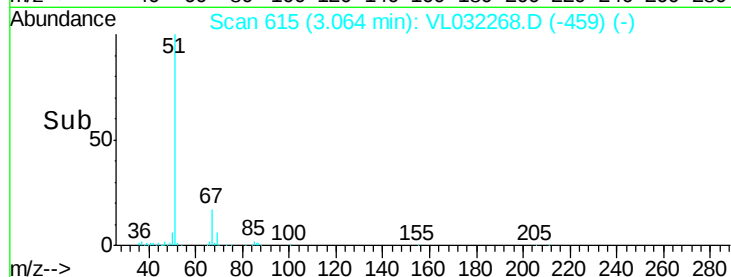
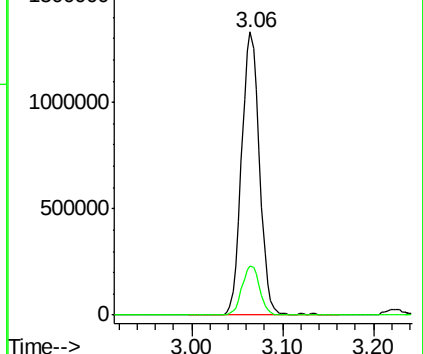
51 100

67 17.2 14.2 21.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.714 ppbv

RT: 3.22 min Scan# 664

Delta R.T. 0.00 min

Lab File: VL032268.D

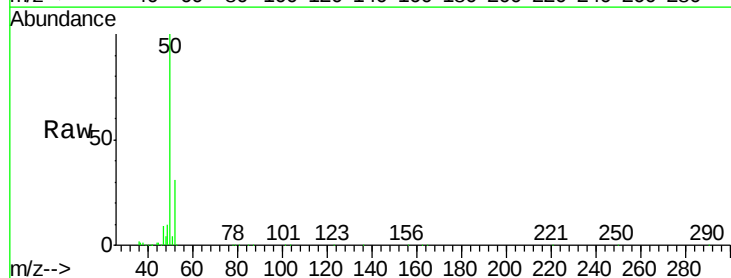
Acq: 18 Jul 2018 19:47

Tgt Ion: 50 Resp: 1081684

Ion Ratio Lower Upper

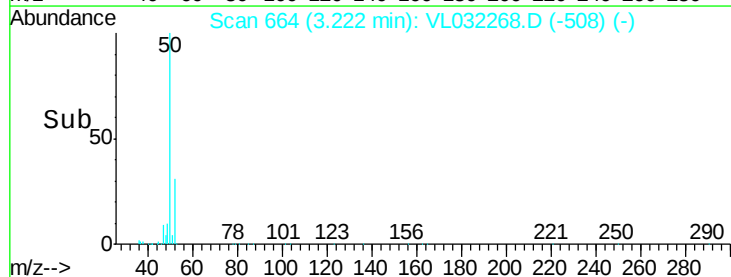
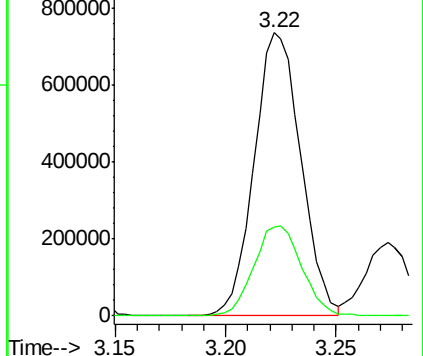
50 100

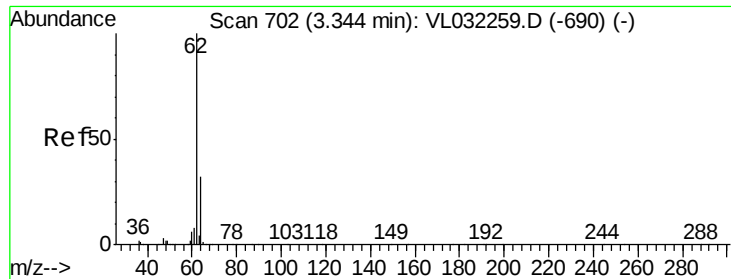
52 31.2 25.3 37.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.858 ppbv

RT: 3.35 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

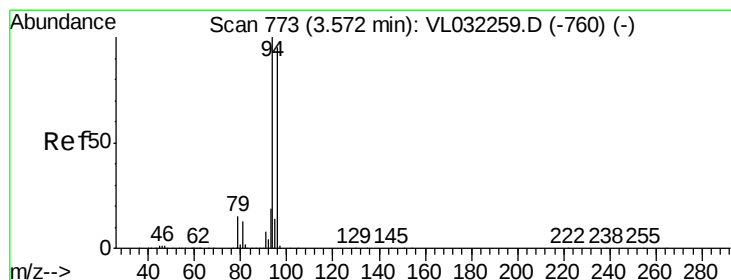
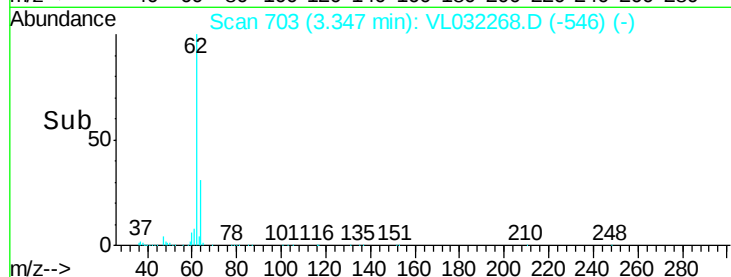
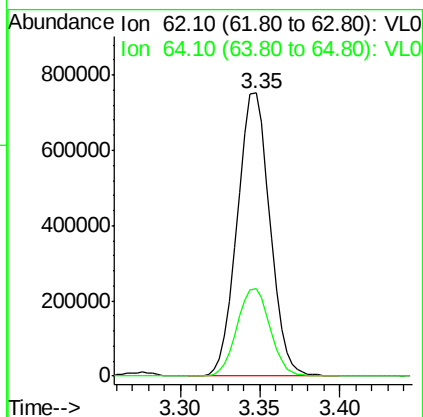
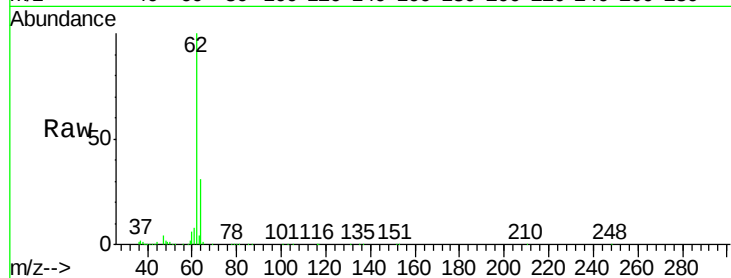
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 62 Resp: 1040694

Ion Ratio Lower Upper

62 100

64 30.9 25.3 37.9



#6

Bromomethane

Concen: 9.844 ppbv

RT: 3.57 min Scan# 773

Delta R.T. 0.00 min

Lab File: VL032268.D

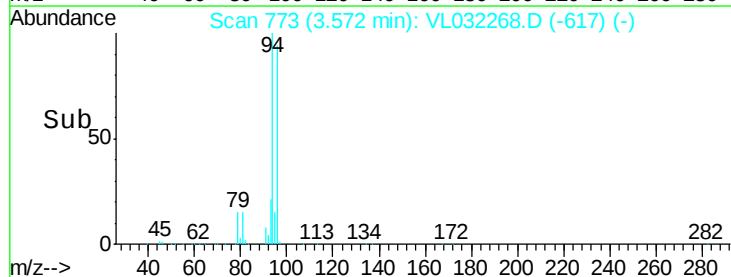
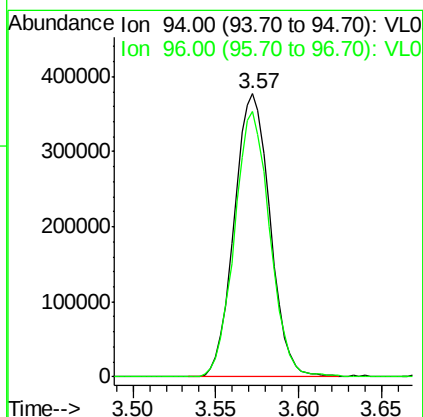
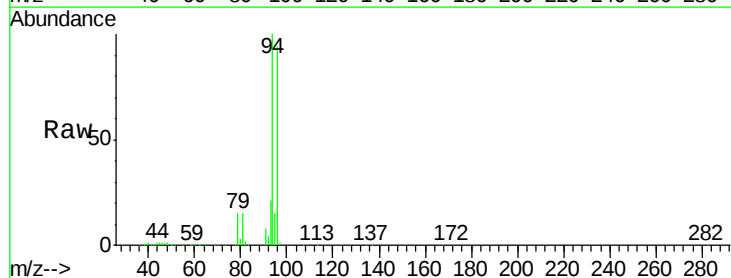
Acq: 18 Jul 2018 19:47

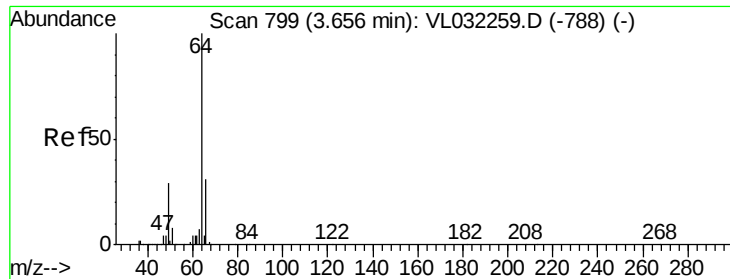
Tgt Ion: 94 Resp: 566422

Ion Ratio Lower Upper

94 100

96 93.6 76.1 114.1





#7

Chloroethane

Concen: 10.014 ppbv

RT: 3.66 min Scan# 800

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

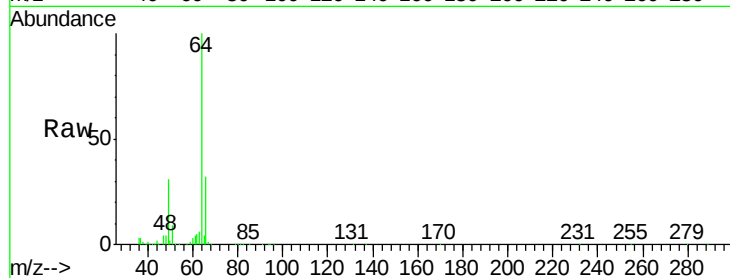
ClientSampleId :

Tot Ion: 64 Resp: 374825

Ion Ratio Lower Upper

64 100

66 32.1 25.0 37.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.66

250000

200000

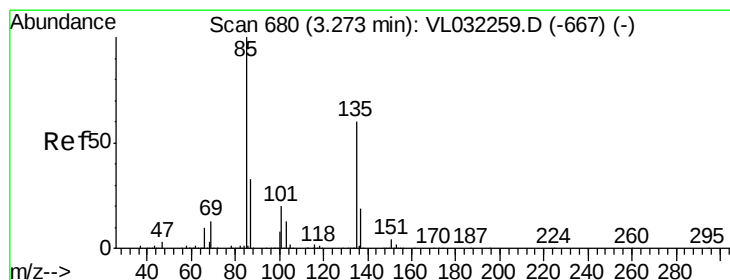
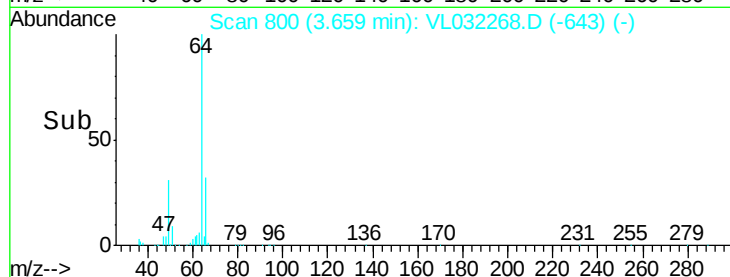
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.088 ppbv

RT: 3.27 min Scan# 680

Delta R.T. 0.00 min

Lab File: VL032268.D

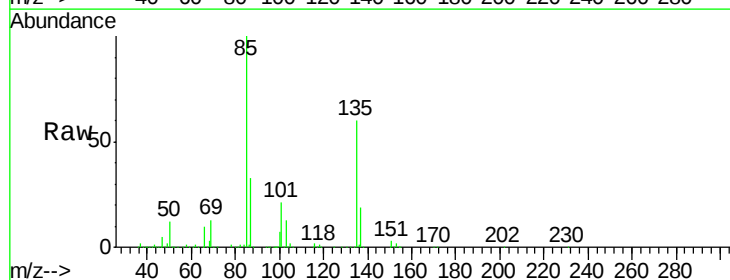
Acq: 18 Jul 2018 19:47

Tgt Ion: 85 Resp: 2125432

Ion Ratio Lower Upper

85 100

135 59.7 47.8 71.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.27

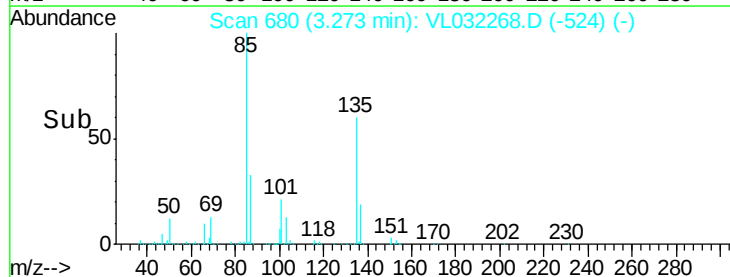
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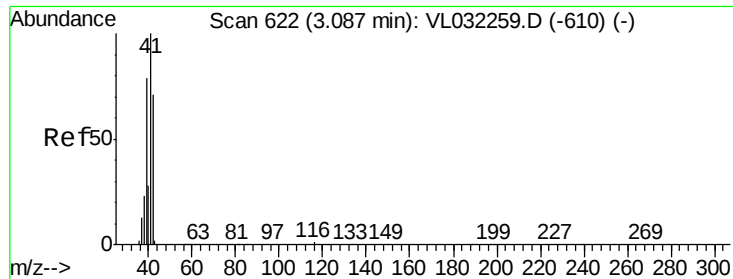
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500000

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Time-->

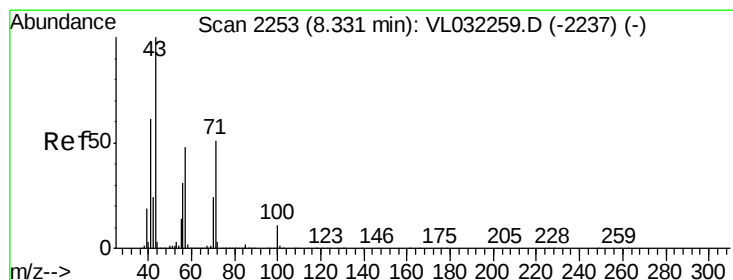
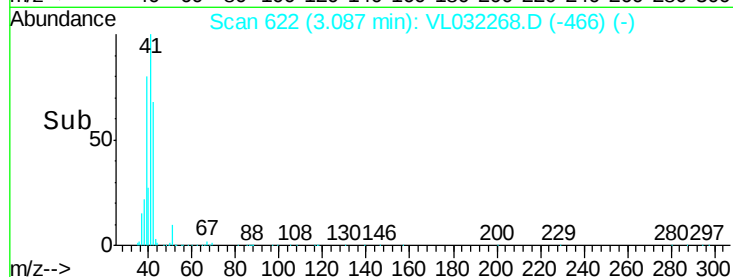
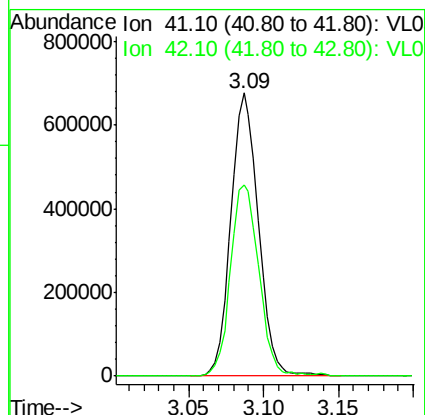
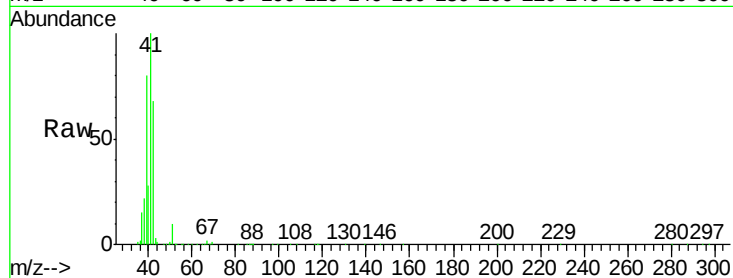




#9
 Propene
 Concen: 10.507 ppbv
 RT: 3.09 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

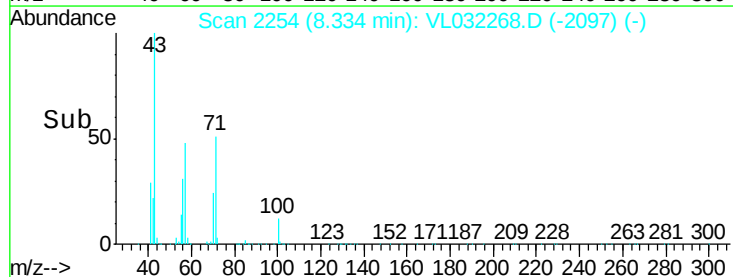
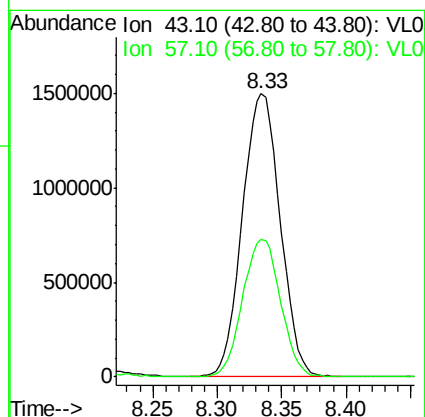
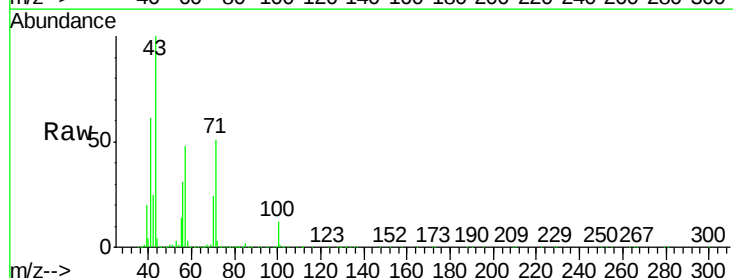
Instrument :
 MSVOA_L
 ClientSampleId :

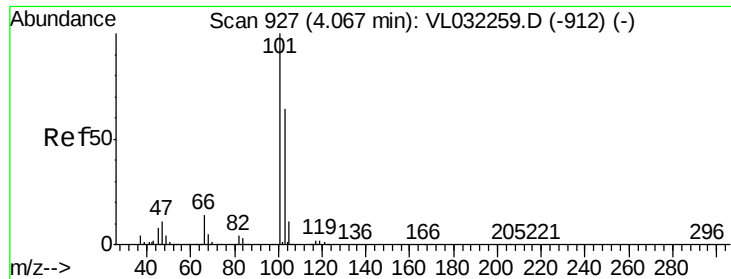
Tot Ion: 41 Resp: 868499
 Ion Ratio Lower Upper
 41 100
 42 70.3 56.2 84.4



#10
 Heptane
 Concen: 11.613 ppbv
 RT: 8.33 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion: 43 Resp: 3050383
 Ion Ratio Lower Upper
 43 100
 57 48.7 39.9 59.9

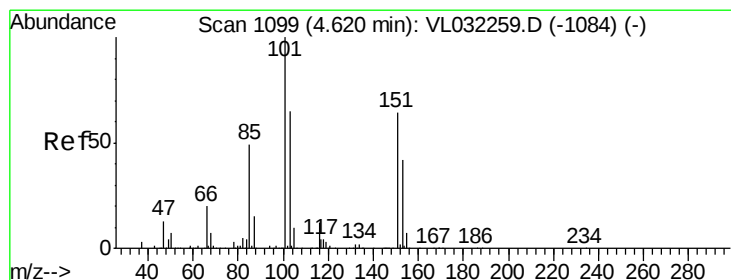
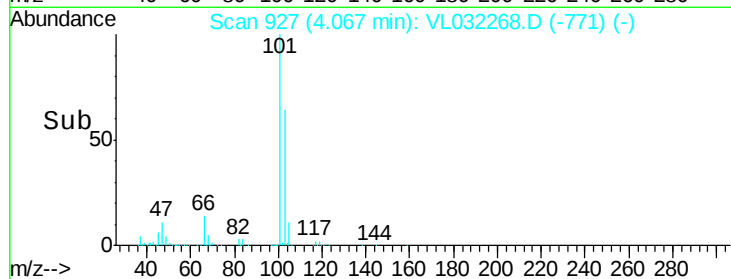
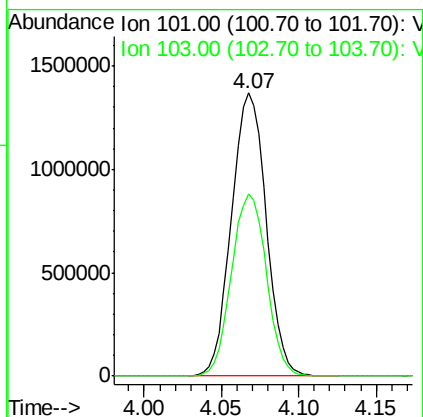
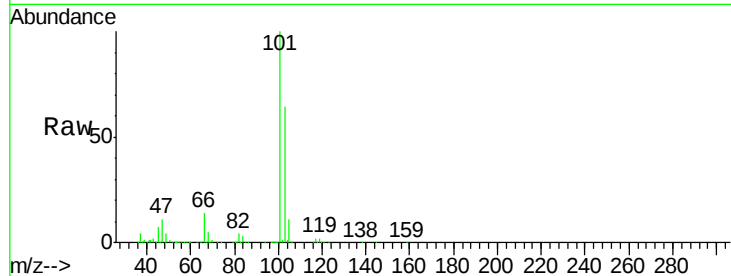




#11
 Trichlorofluoromethane
 Concen: 9.516 ppbv
 RT: 4.07 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

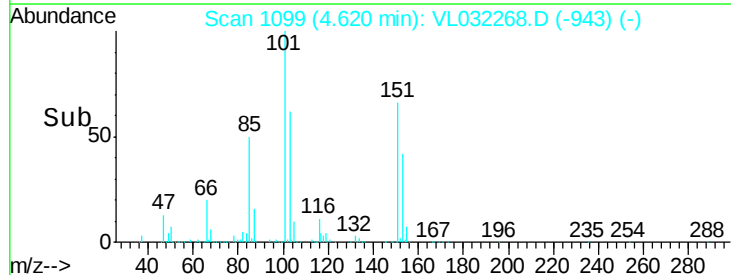
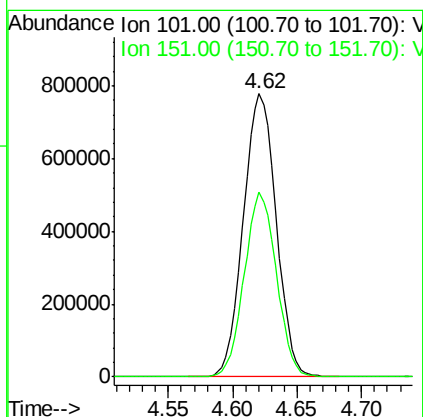
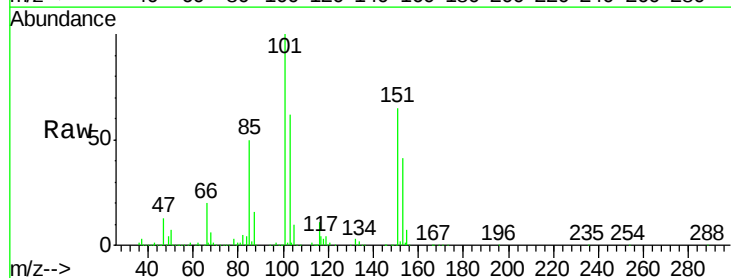
Instrument :
 MSVOA_L
 ClientSampleId :

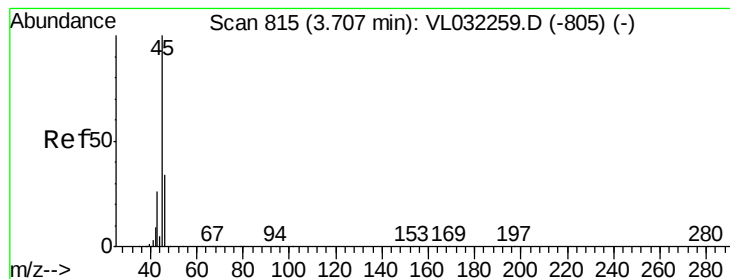
Tot Ion:101 Resp: 2131970
 Ion Ratio Lower Upper
 101 100
 103 64.2 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.691 ppbv
 RT: 4.62 min Scan# 1099
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion:101 Resp: 1384569
 Ion Ratio Lower Upper
 101 100
 151 63.8 51.3 76.9





#13

Ethanol

Concen: 7.926 ppbv

RT: 3.71 min Scan# 815

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

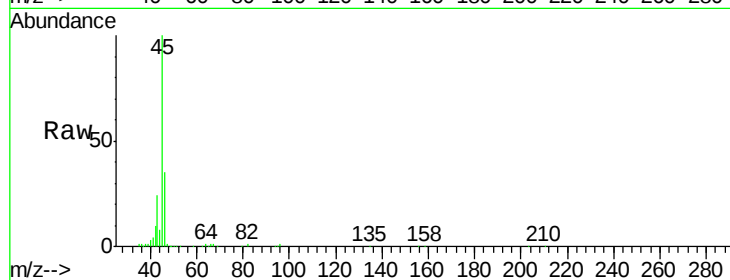
ClientSampleId :

Tot Ion: 45 Resp: 187187

Ion Ratio Lower Upper

45 100

46 41.2 15.2 60.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.71

120000

100000

80000

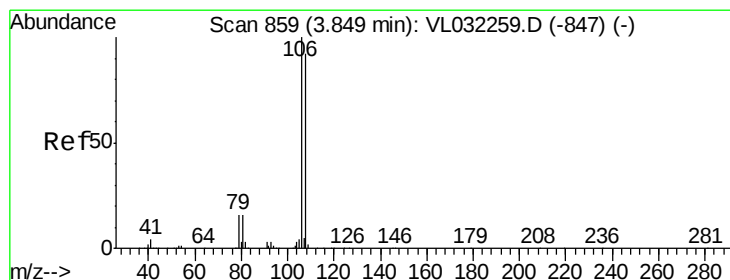
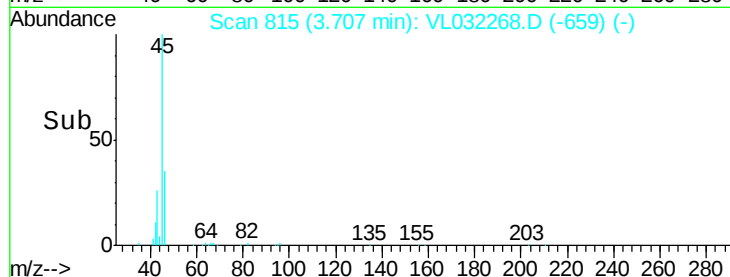
60000

40000

20000

0

Time-->



#14

Bromoethene

Concen: 10.159 ppbv

RT: 3.85 min Scan# 859

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

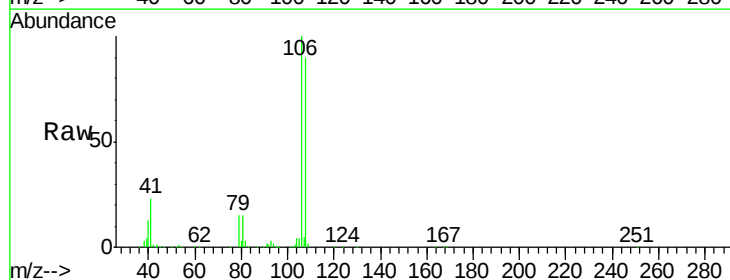
Tgt Ion: 108 Resp: 654414

Ion Ratio Lower Upper

108 100

106 106.4 86.2 129.4

79 17.1 14.0 21.0



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

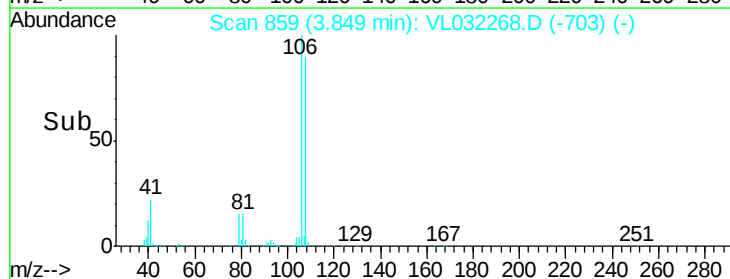
600000

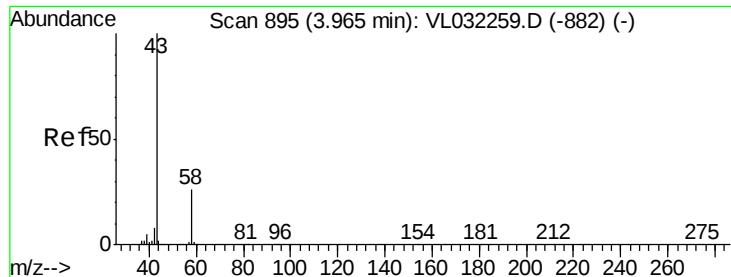
400000

200000

0

Time-->





#15

Acetone

Concen: 9.359 ppbv

RT: 3.96 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

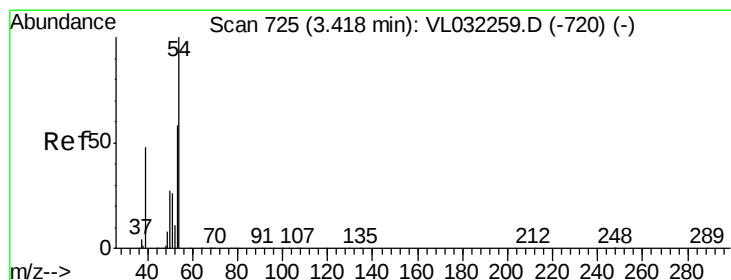
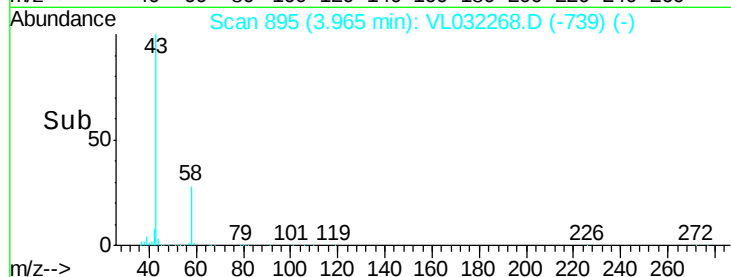
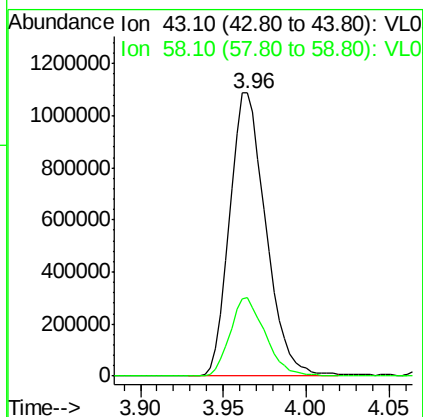
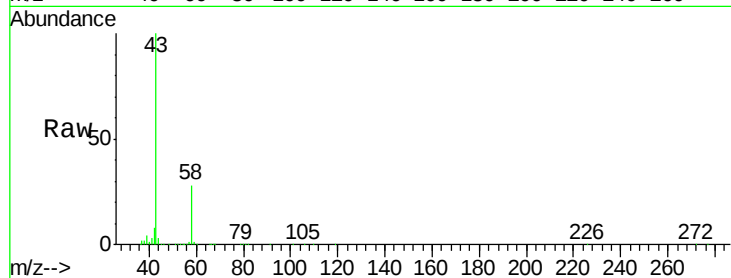
ClientSampleId :

Tot Ion: 43 Resp: 1650750

Ion Ratio Lower Upper

43 100

58 27.2 21.8 32.6



#16

1,3-Butadiene

Concen: 9.662 ppbv

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VL032268.D

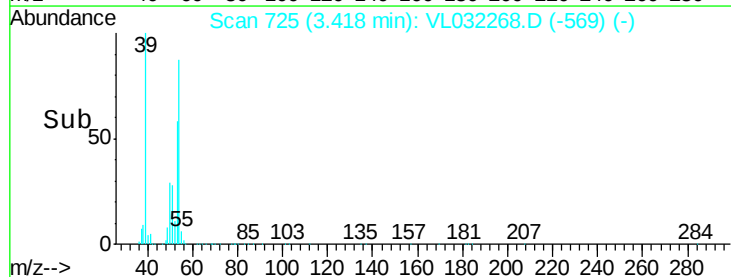
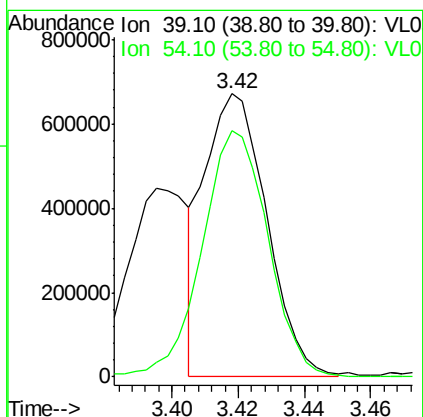
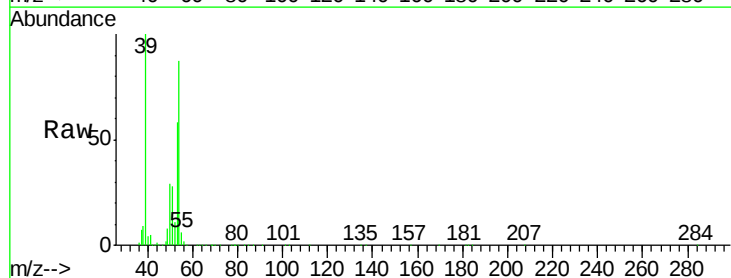
Acq: 18 Jul 2018 19:47

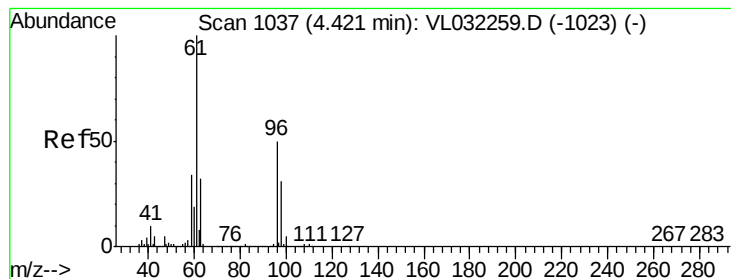
Tgt Ion: 39 Resp: 868076

Ion Ratio Lower Upper

39 100

54 93.3 70.6 105.8





#17

tert-Butyl alcohol

Concen: 10.403 ppbv

RT: 4.42 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

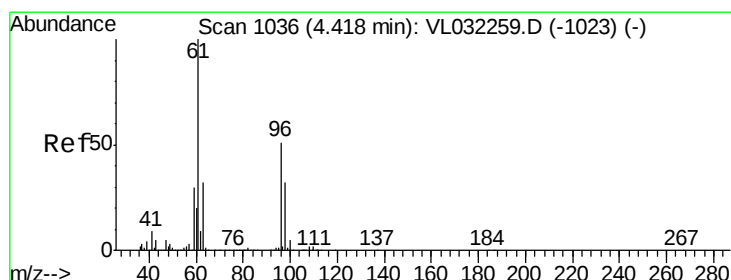
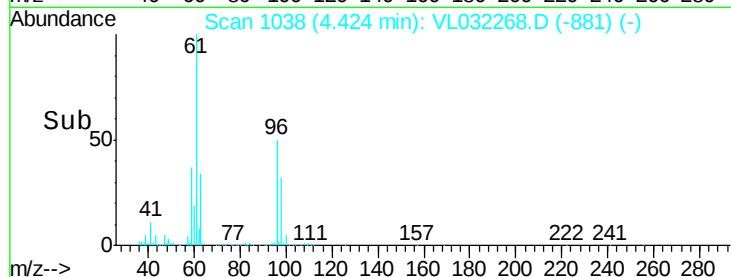
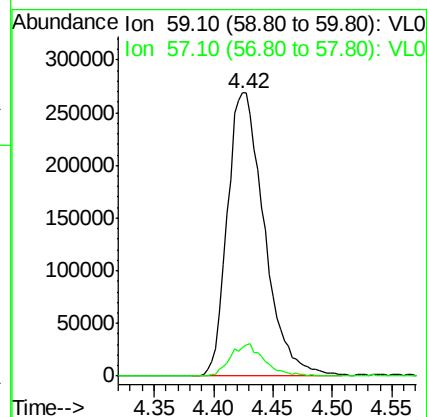
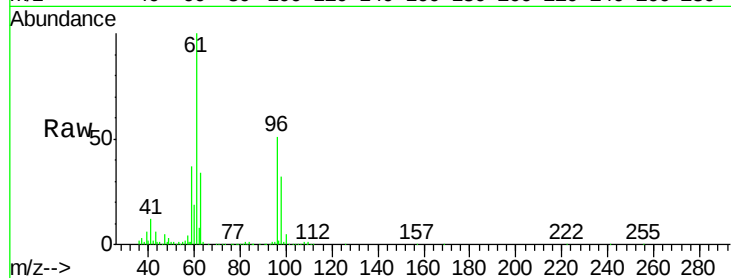
ClientSampleId :

Tot Ion: 59 Resp: 578616

Ion Ratio Lower Upper

59 100

57 10.4 8.2 12.4



#18

1,1-Dichloroethene

Concen: 9.847 ppbv

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

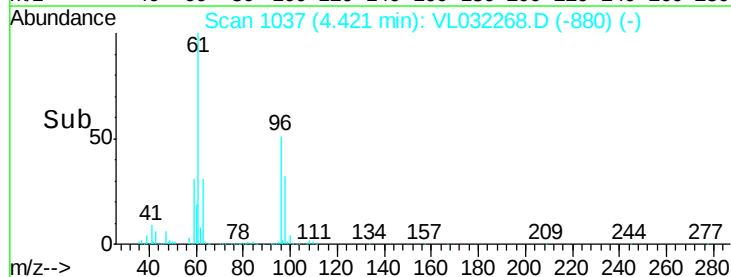
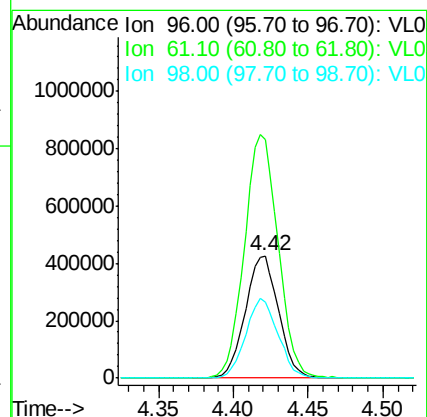
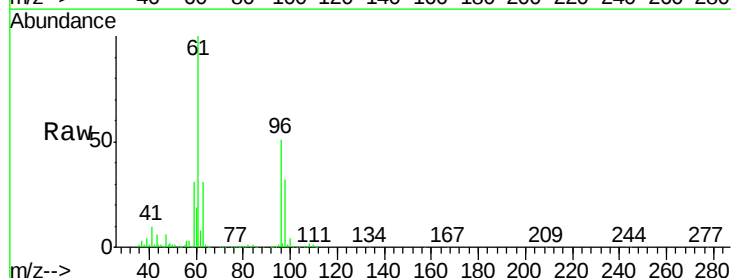
Tgt Ion: 96 Resp: 657090

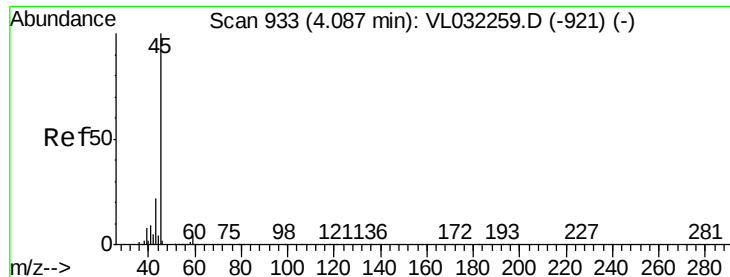
Ion Ratio Lower Upper

96 100

61 194.9 157.2 235.8

98 61.8 50.1 75.1





#19

Isopropyl Alcohol

Concen: 9.959 ppbv

RT: 4.09 min Scan# 933

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

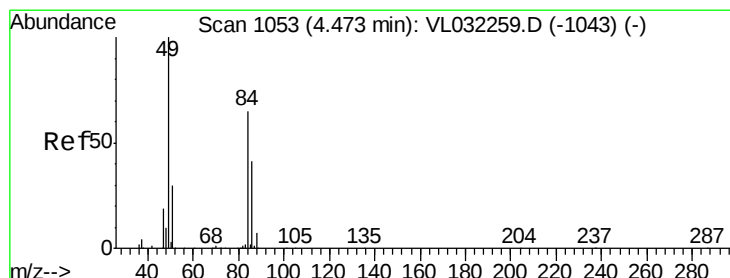
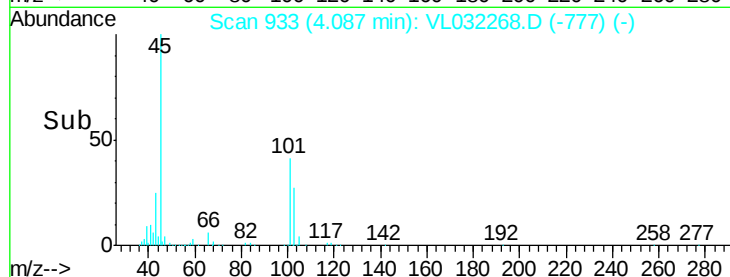
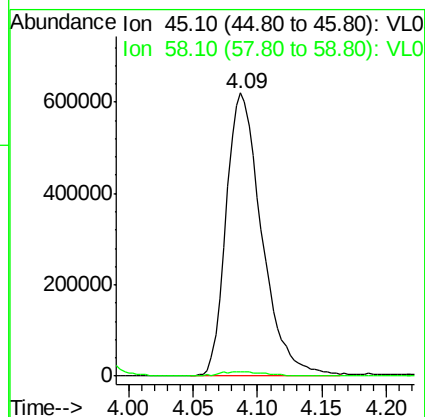
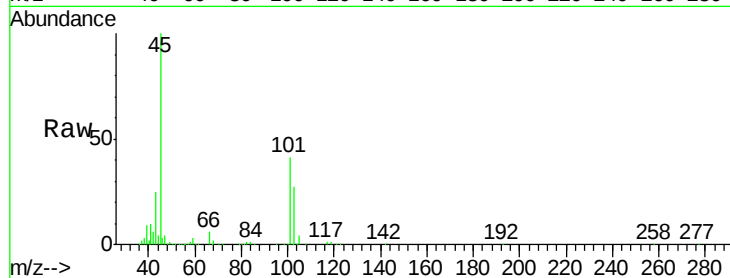
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 45 Resp: 1187993

Ion Ratio Lower Upper

45 100

58 2.1 1.5 2.3



#20

Methylene Chloride

Concen: 8.571 ppbv

RT: 4.48 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Tgt Ion: 84 Resp: 581996

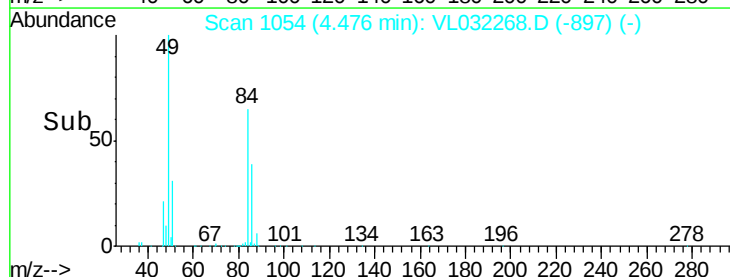
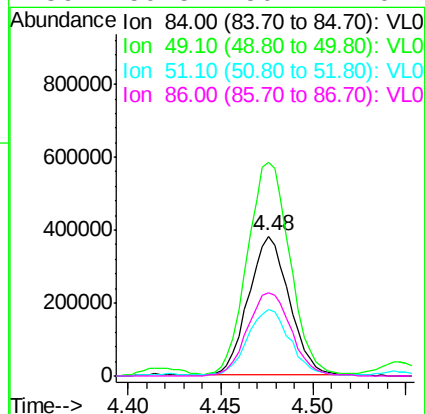
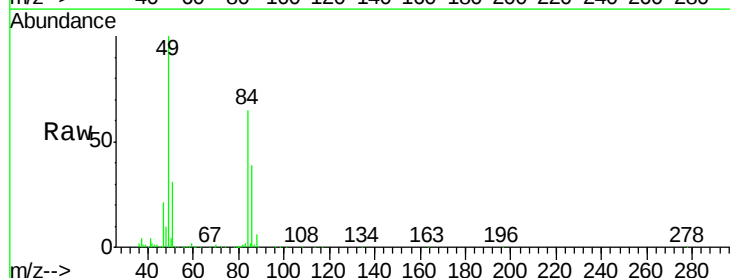
Ion Ratio Lower Upper

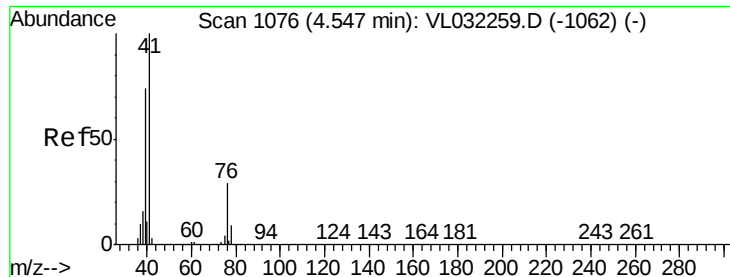
84 100

49 152.0 122.4 183.6

51 47.7 36.8 55.2

86 59.5 50.7 76.1

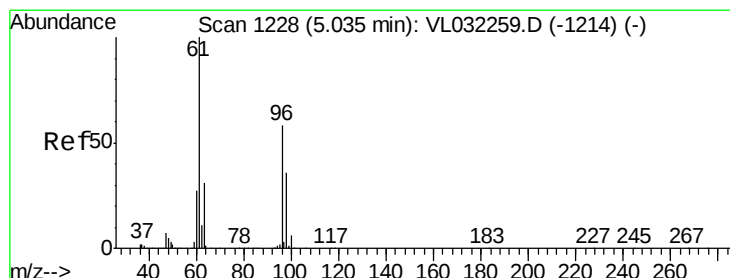
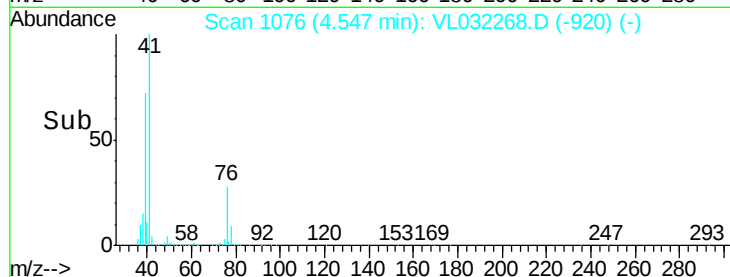
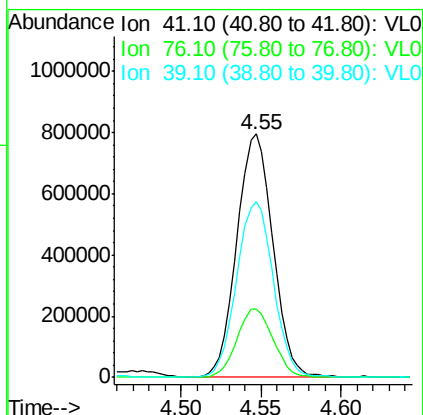
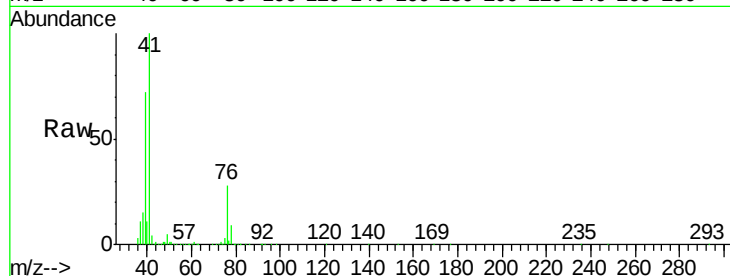




#21
Allvl Chloride
Concen: 10.457 ppbv
RT: 4.55 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

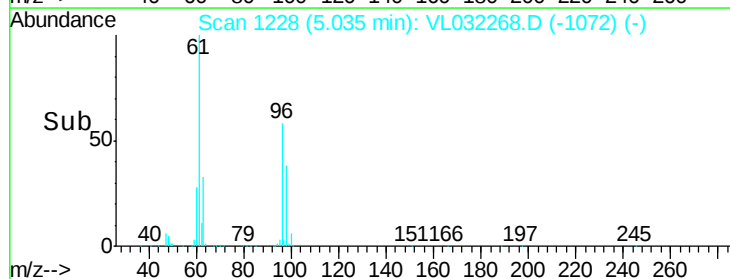
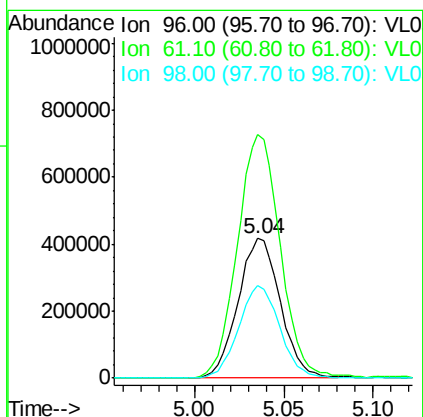
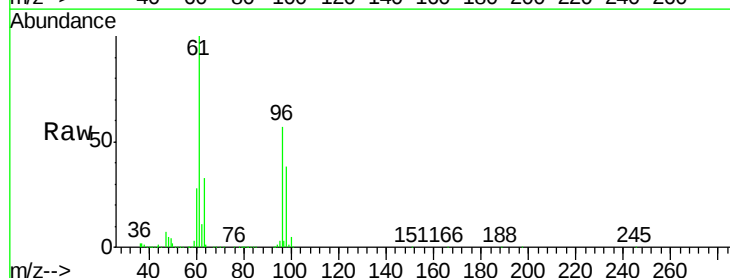
Instrument :
MSVOA_L
ClientSampleId :

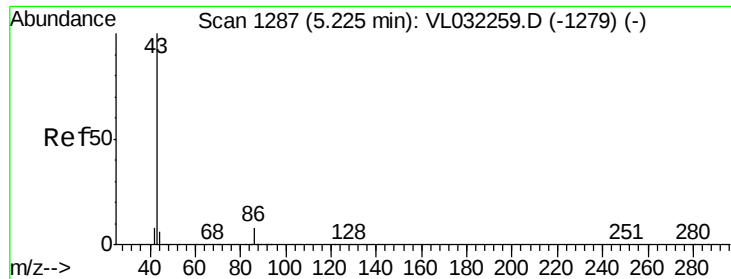
Tot Ion: 41 Resp: 1214767
Ion Ratio Lower Upper
41 100
76 28.3 23.0 34.6
39 73.8 60.2 90.4



#22
trans-1,2-Dichloroethene
Concen: 9.996 ppbv
RT: 5.04 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion: 96 Resp: 692500
Ion Ratio Lower Upper
96 100
61 174.0 137.4 206.0
98 66.2 49.6 74.4





#23

Vinyl Acetate

Concen: 10.328 ppbv

RT: 5.23 min Scan# 1288

Delta R.T. 0.00 min

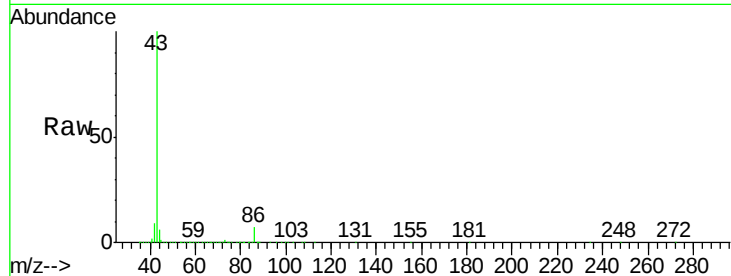
Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

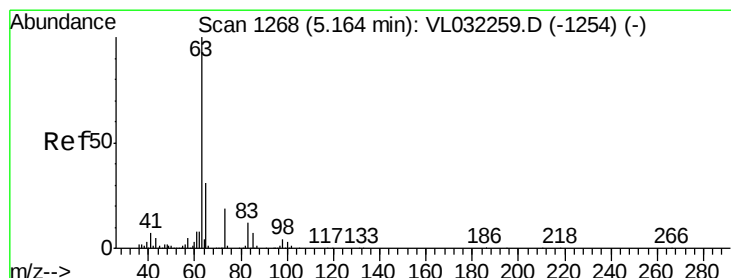
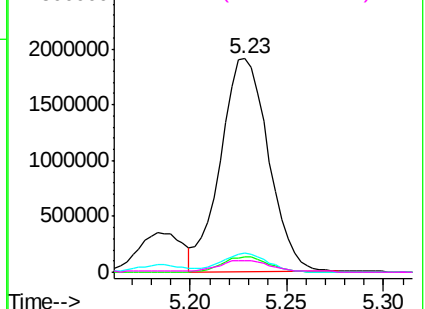
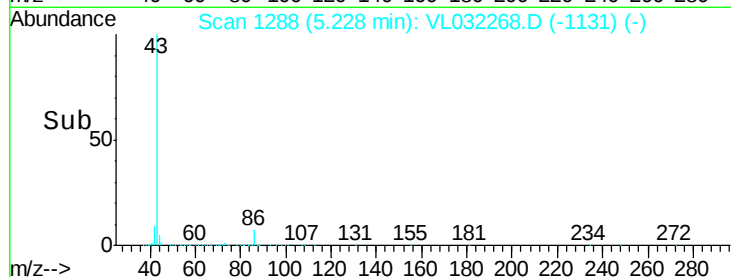
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3266885

Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.9	8.9
42	9.0	7.3	10.9
44	5.5	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



#24

1,1-Dichloroethane

Concen: 9.562 ppbv

RT: 5.16 min Scan# 1268

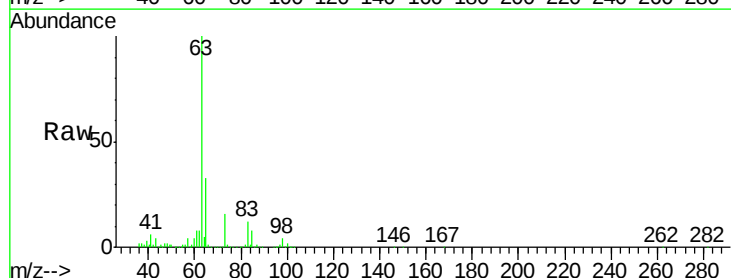
Delta R.T. 0.00 min

Lab File: VL032268.D

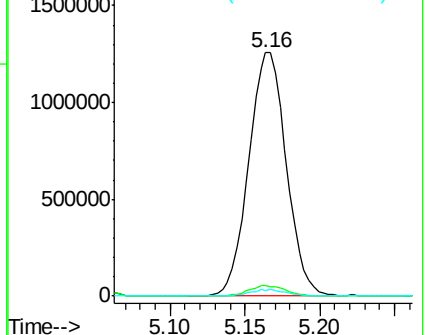
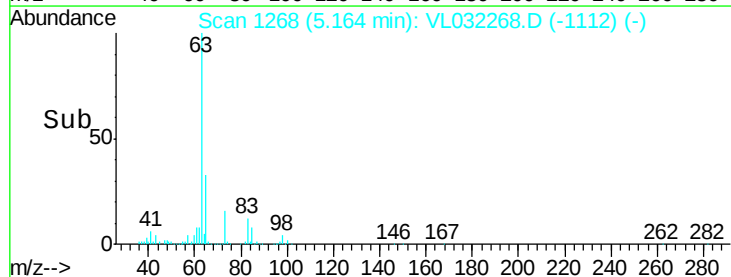
Acq: 18 Jul 2018 19:47

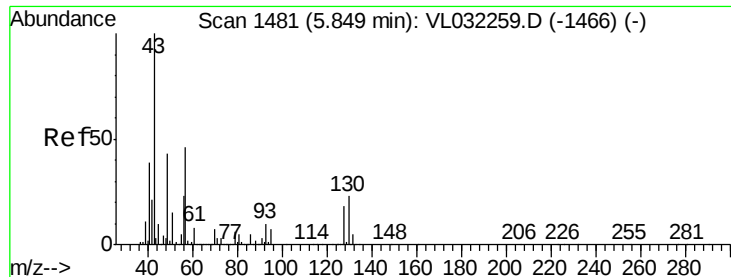
Tgt Ion: 63 Resp: 2194069

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.3
100	2.5	1.3	3.9



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



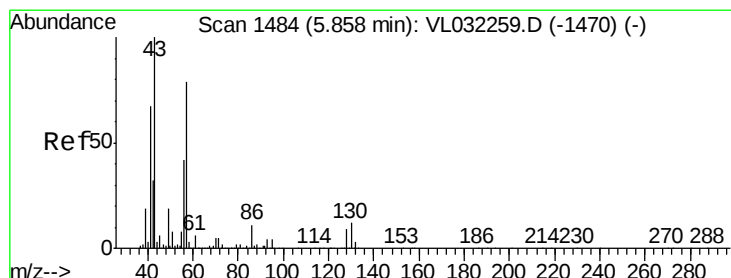
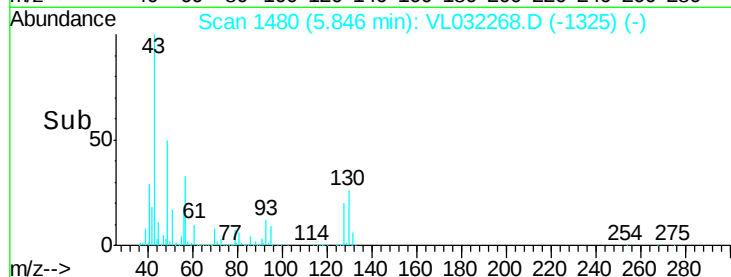
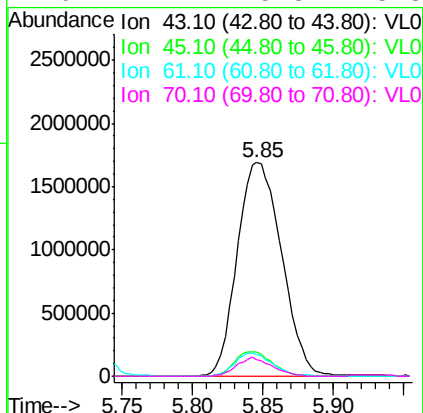
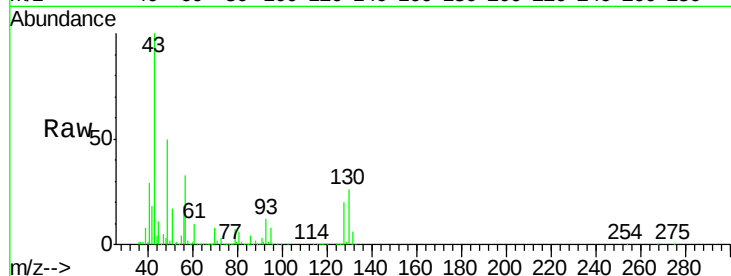


#25
Ethyl Acetate
Concen: 9.671 ppbv
RT: 5.85 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3715605

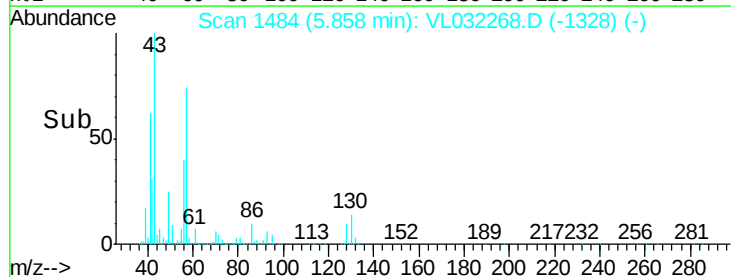
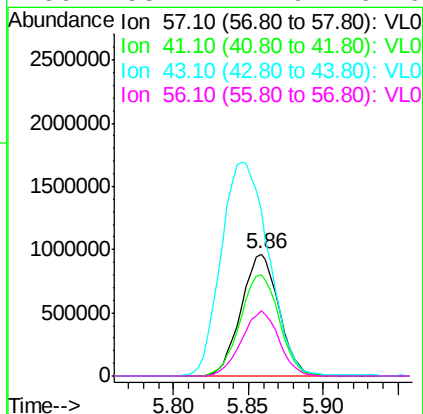
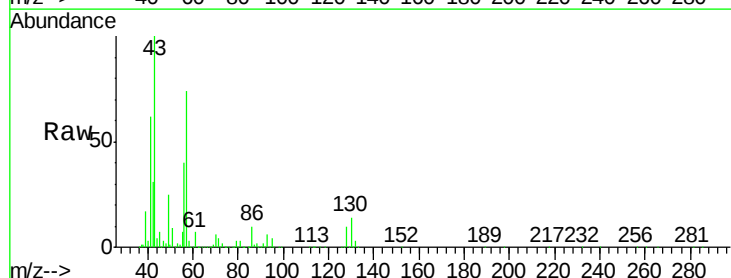
Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.9	11.9
61	9.3	7.6	11.4
70	7.1	5.8	8.8

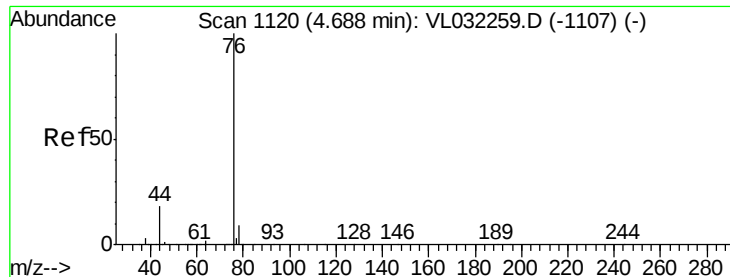


#26
Hexane
Concen: 9.587 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion: 57 Resp: 1691515

Ion	Ratio	Lower	Upper
57	100		
41	85.7	67.9	101.9
43	221.1	175.9	263.9
56	53.2	41.9	62.9





#27

Carbon Disulfide

Concen: 10.941 ppbv

RT: 4.69 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

ClientSampleId :

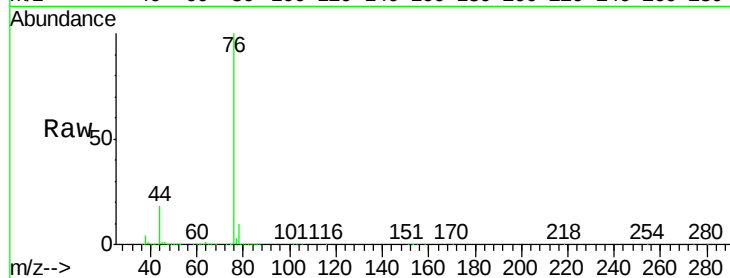
Tot Ion: 76 Resp: 1709292

Ion	Ratio	Lower	Upper
76	100		
44	18.3	14.3	21.5
78	9.3	7.4	11.0

76 100

44 18.3 14.3 21.5

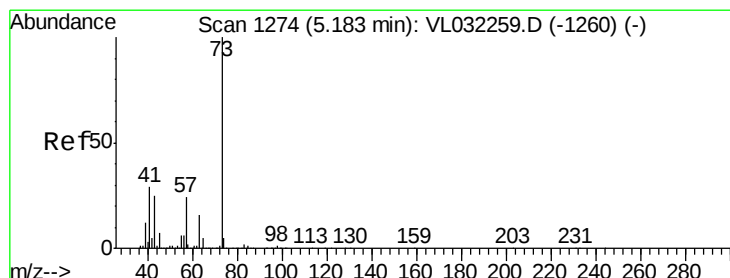
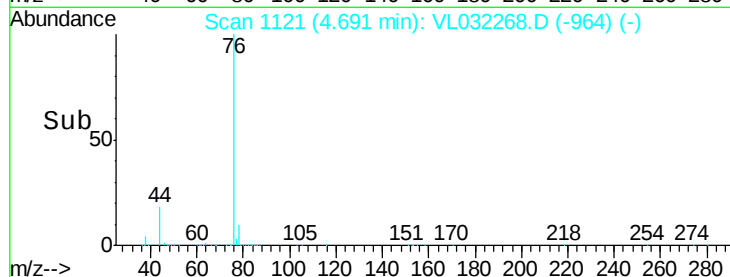
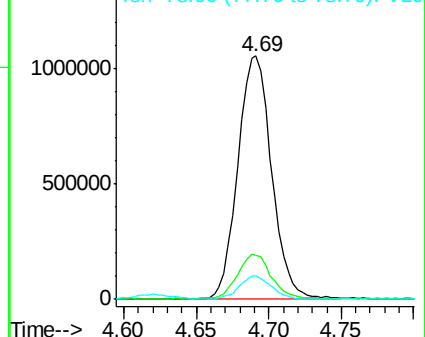
78 9.3 7.4 11.0



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: 10.042 ppbv

RT: 5.18 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VL032268.D

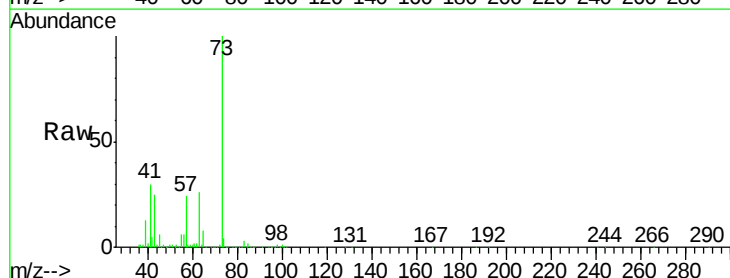
Acq: 18 Jul 2018 19:47

Tgt Ion: 73 Resp: 2626915

Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.3	28.9

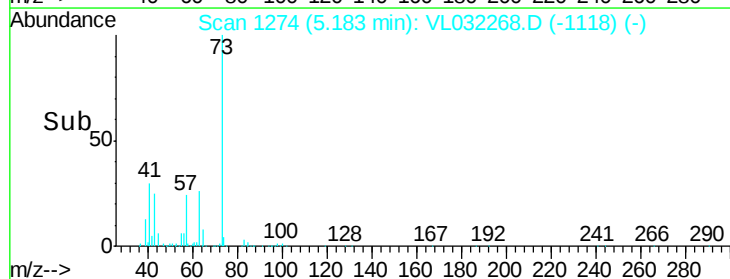
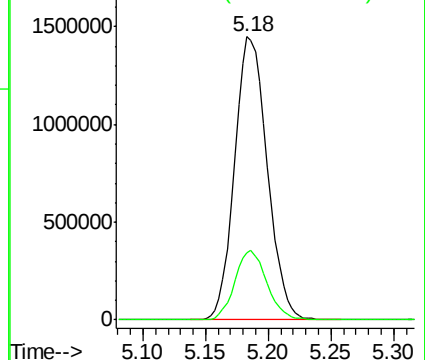
73 100

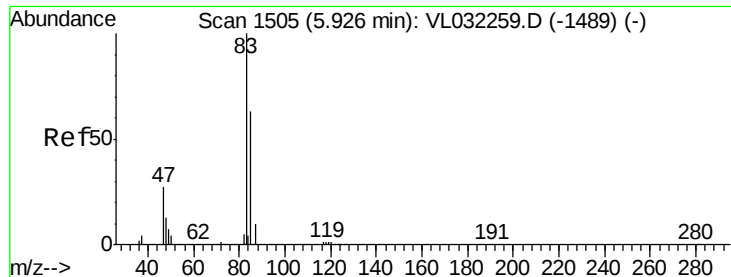
57 24.2 19.3 28.9



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

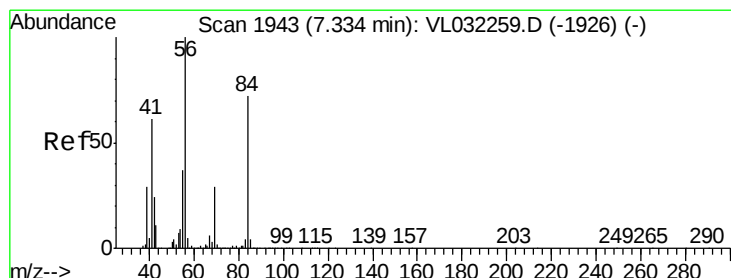
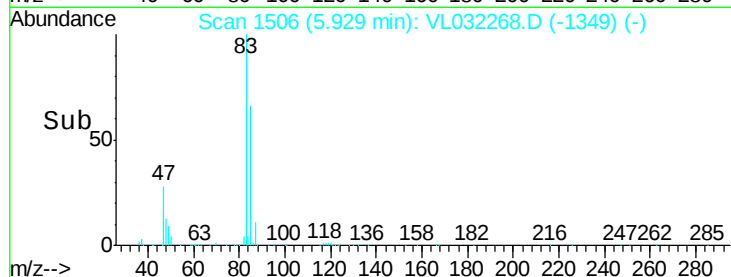
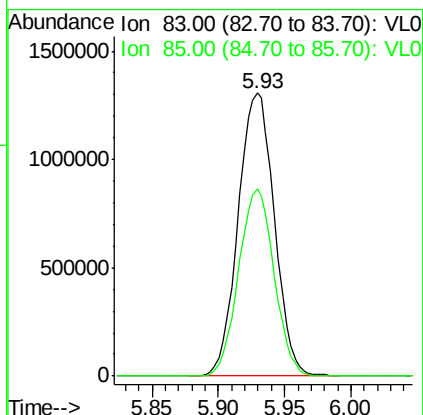
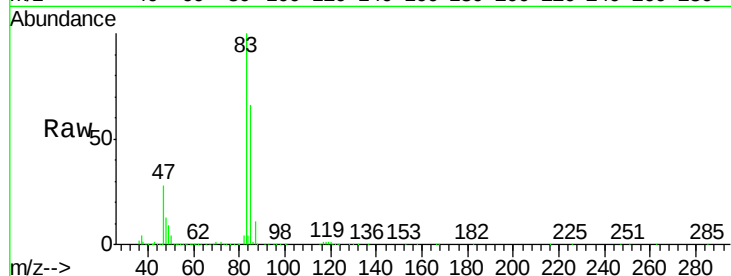




#29
Chloroform
Concen: 9.521 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

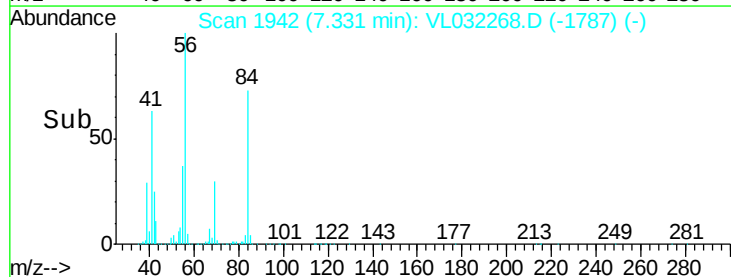
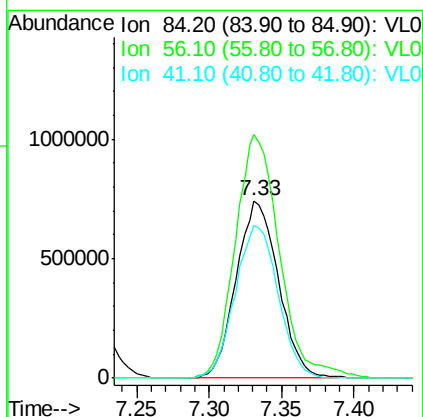
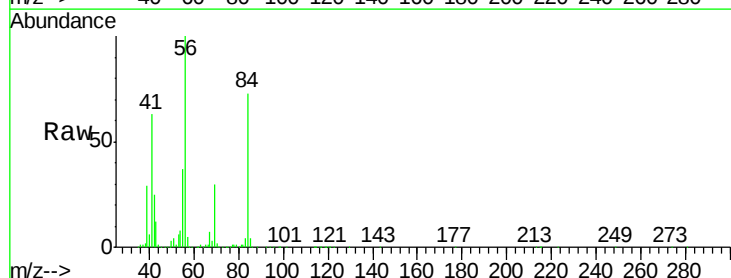
Instrument :
MSVOA_L
ClientSampleId :

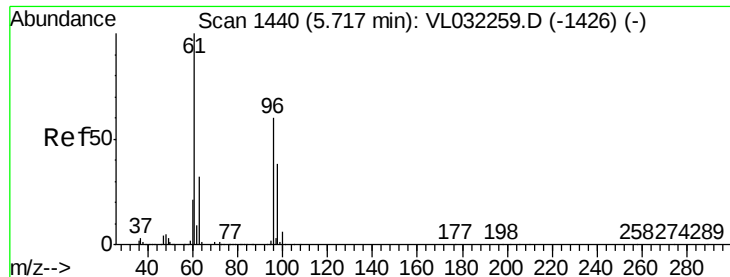
Tot Ion: 83 Resp: 2476687
Ion Ratio Lower Upper
83 100
85 66.1 50.7 76.1



#30
Cyclohexane
Concen: 10.133 ppbv
RT: 7.33 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion: 84 Resp: 1500025
Ion Ratio Lower Upper
84 100
56 144.2 115.6 173.4
41 87.6 68.7 103.1





#31

cis-1,2-Dichloroethene

Concen: 10.234 ppbv

RT: 5.72 min Scan# 1440

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

ClientSampled :

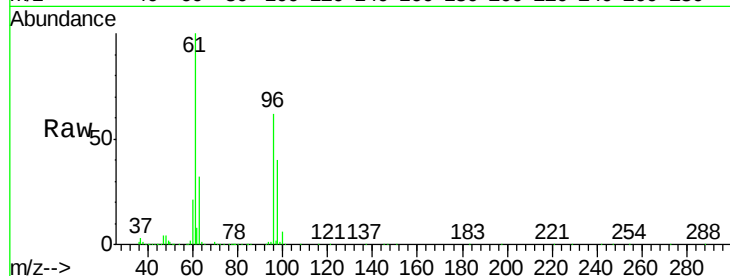
Tot Ion: 61 Resp: 1731271

Ion Ratio Lower Upper

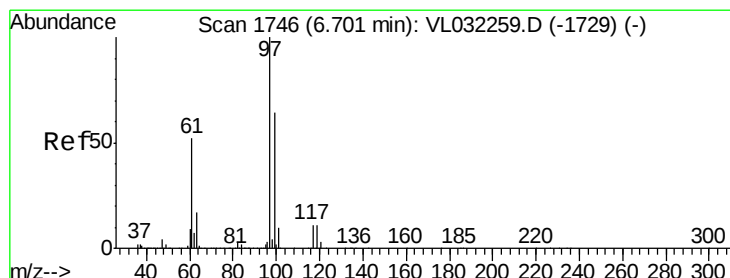
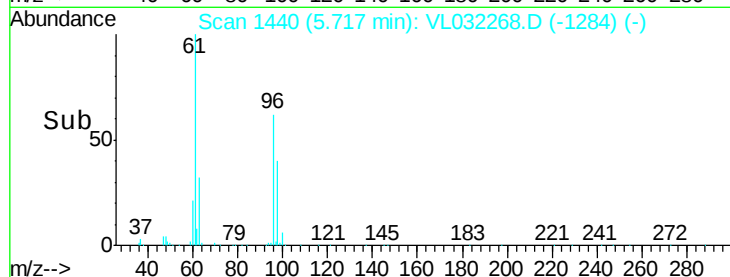
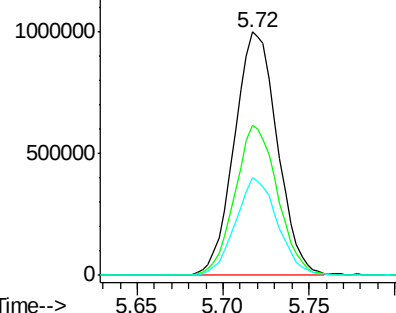
61 100

96 61.8 47.9 71.9

98 40.0 30.5 45.7



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.418 ppbv

RT: 6.70 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

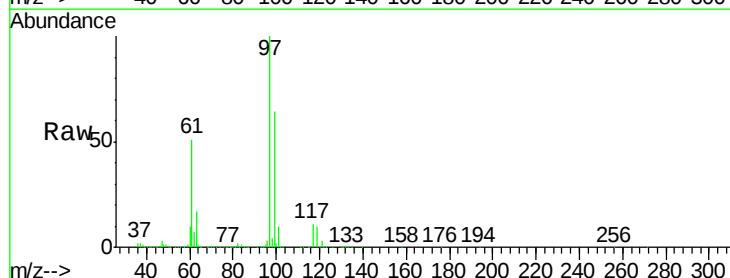
Tgt Ion: 97 Resp: 2478606

Ion Ratio Lower Upper

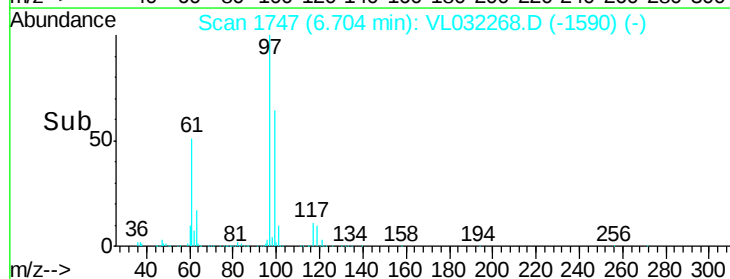
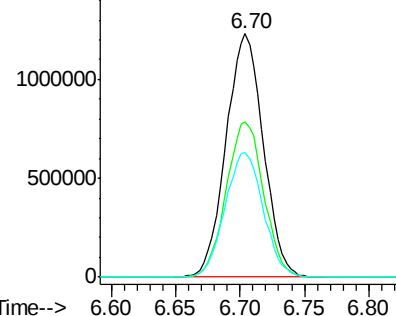
97 100

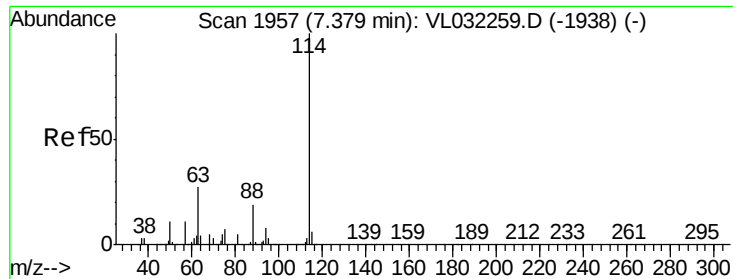
99 64.3 51.0 76.6

61 52.3 41.2 61.8



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0

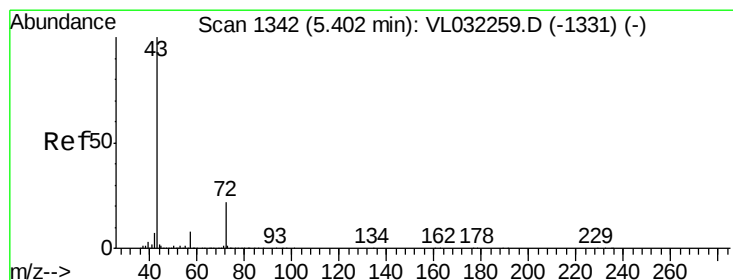
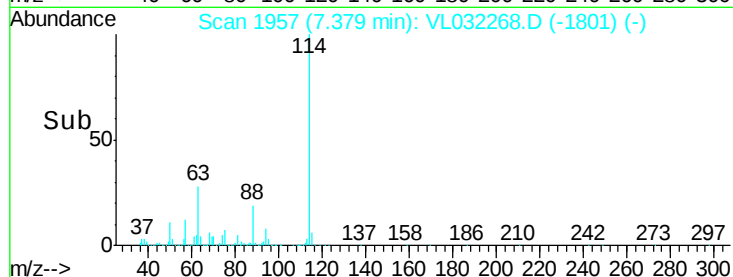
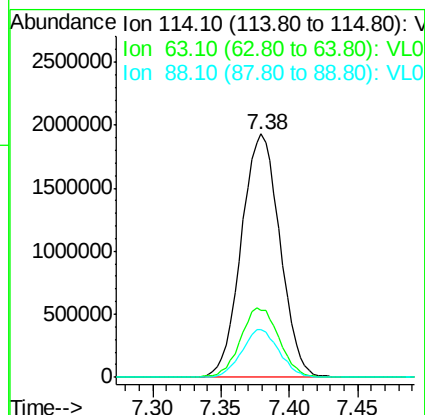
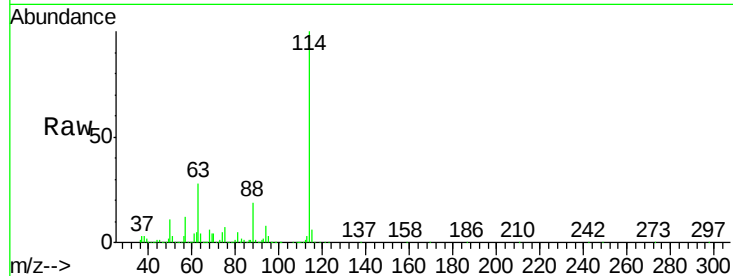




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

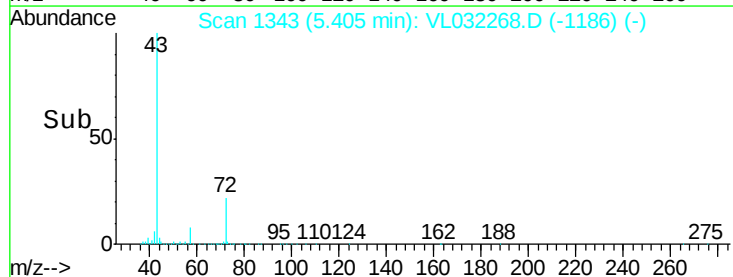
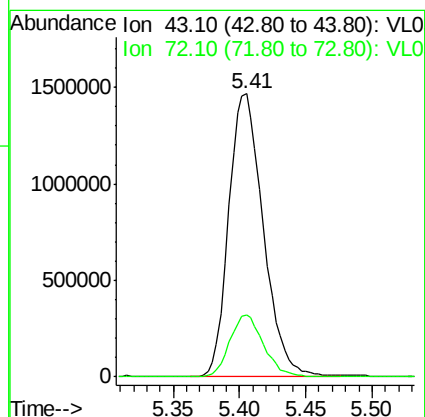
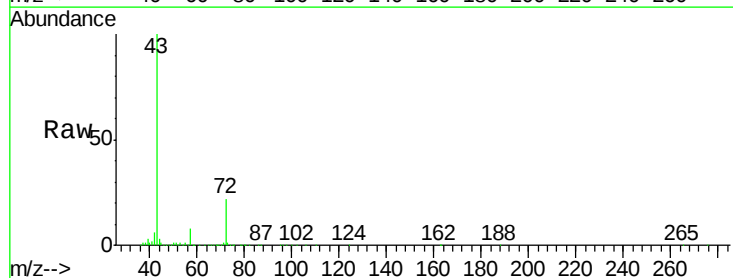
Instrument :
 MSVOA_L
 ClientSampleId :

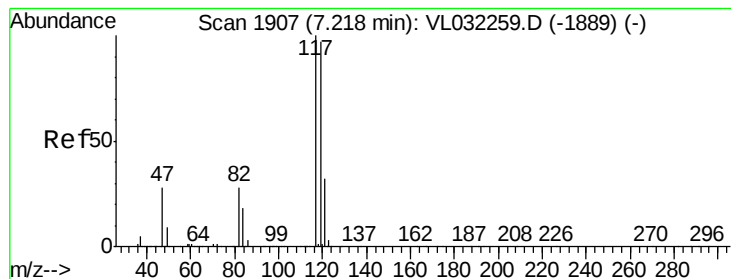
Tot Ion:114 Resp: 3788112
 Ion Ratio Lower Upper
 114 100
 63 28.5 22.6 33.8
 88 18.9 15.2 22.8



#34
 2-Butanone
 Concen: 10.164 ppbv
 RT: 5.41 min Scan# 1343
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion: 43 Resp: 2641904
 Ion Ratio Lower Upper
 43 100
 72 21.7 17.7 26.5





#35

Carbon Tetrachloride

Concen: 9.730 ppbv

RT: 7.22 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

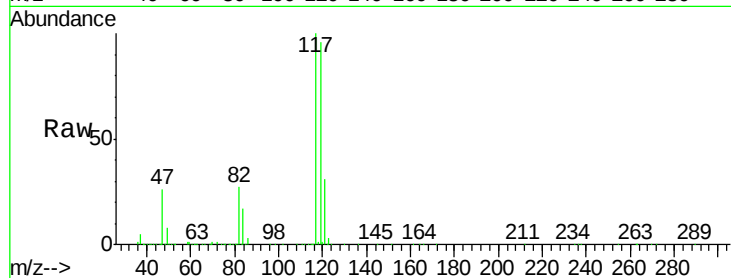
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:117 Resp: 2534951

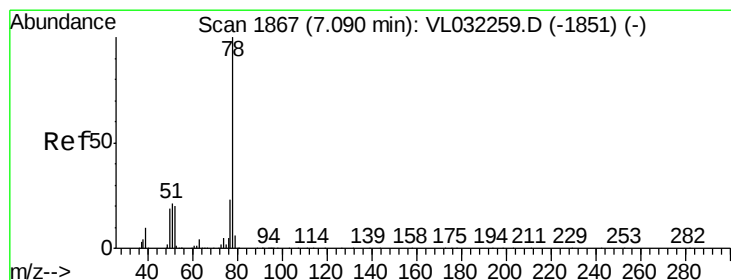
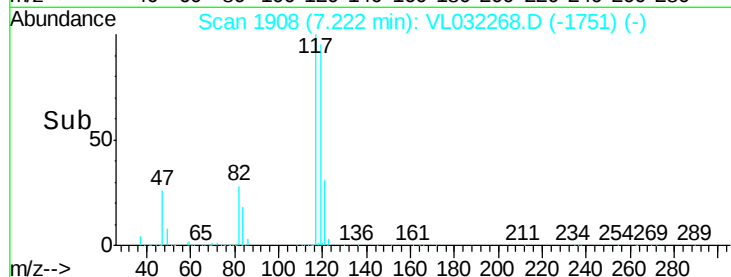
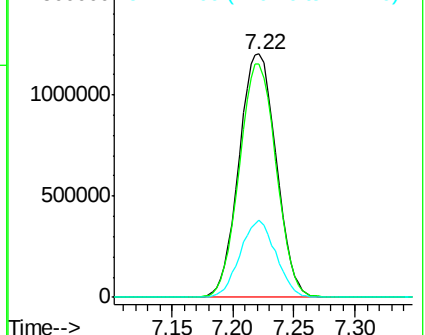
Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.4	116.0
121	31.5	25.4	38.2



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: 9.976 ppbv

RT: 7.09 min Scan# 1868

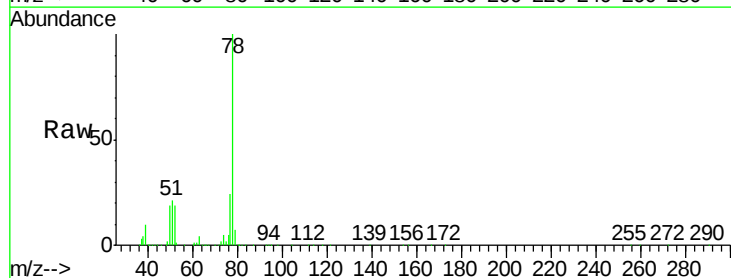
Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Tgt Ion: 78 Resp: 3719831

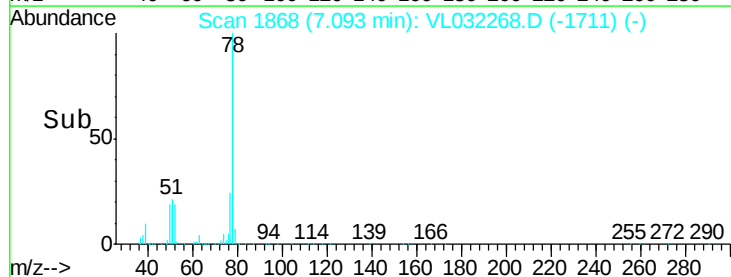
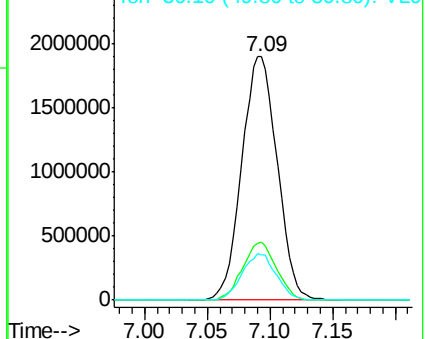
Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.6	27.8
50	18.8	15.0	22.6

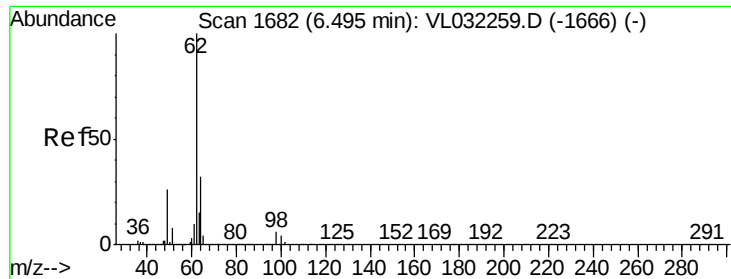


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

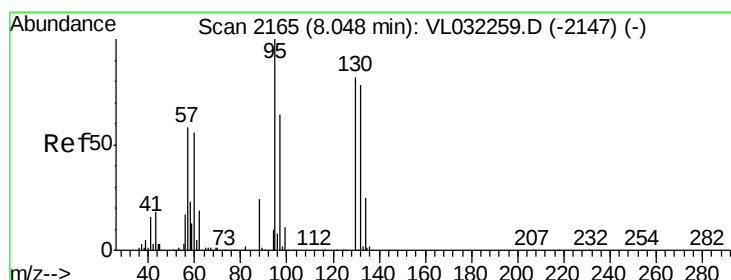
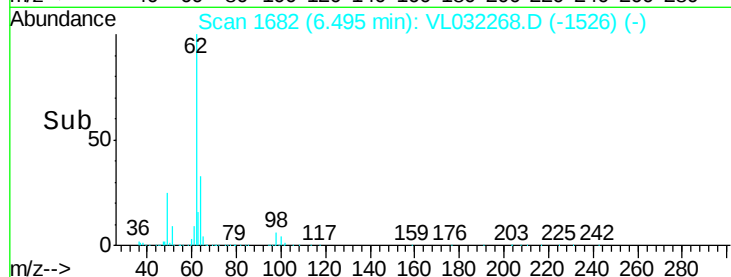
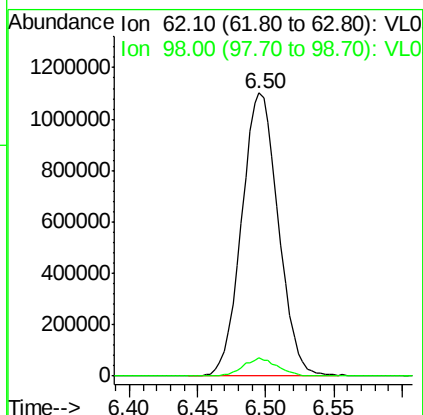
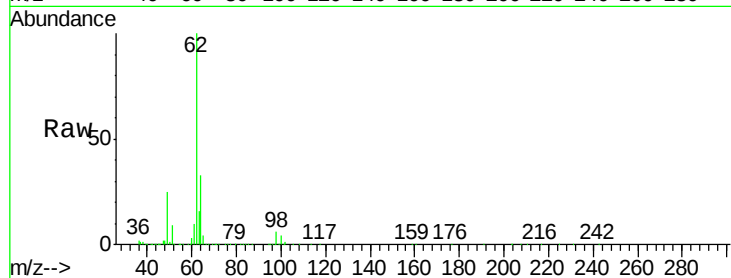




#37
 1,2-Dichloroethane
 Concen: 9.315 ppbv
 RT: 6.50 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

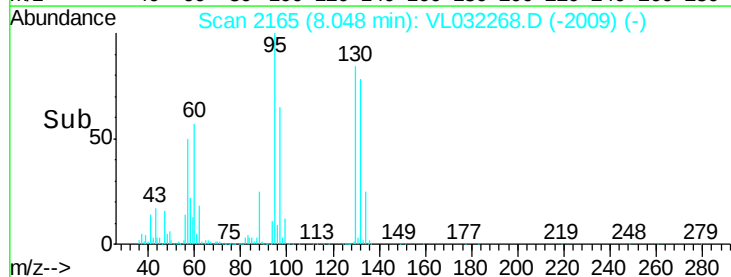
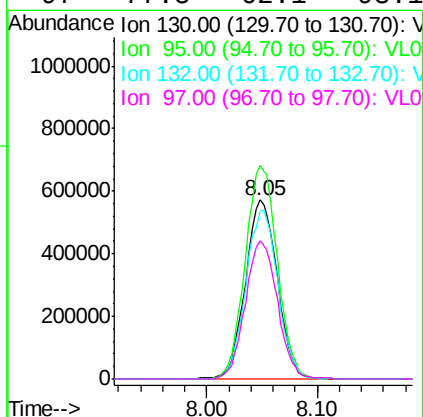
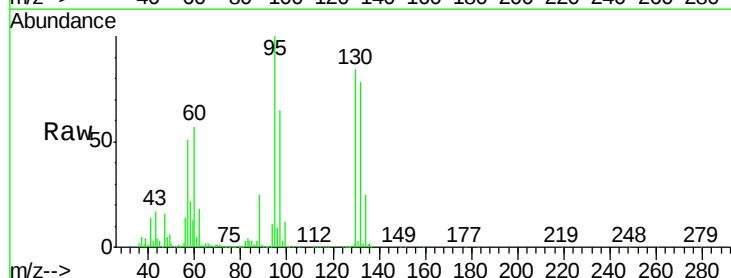
Instrument :
 MSVOA_L
 ClientSampleId :

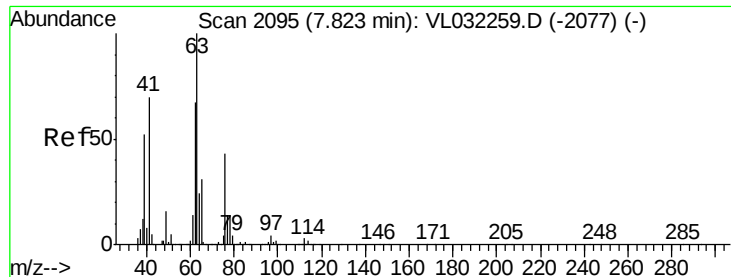
Tot Ion: 62 Resp: 2051821
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.9 7.3



#38
 Trichloroethene
 Concen: 9.249 ppbv
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion:130 Resp: 1140886
 Ion Ratio Lower Upper
 130 100
 95 119.5 97.1 145.7
 132 93.7 75.6 113.4
 97 77.5 62.1 93.1



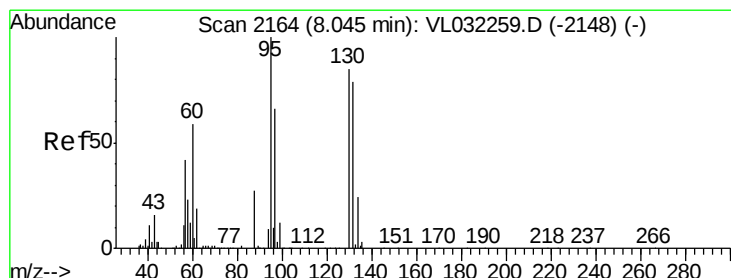
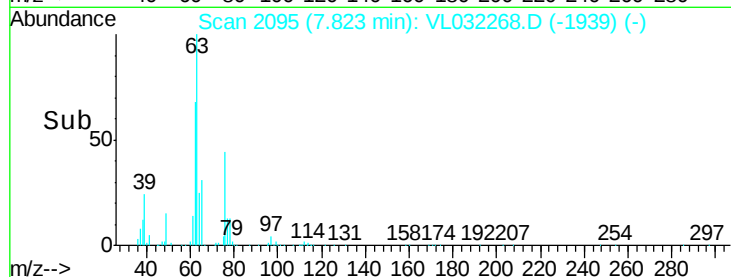
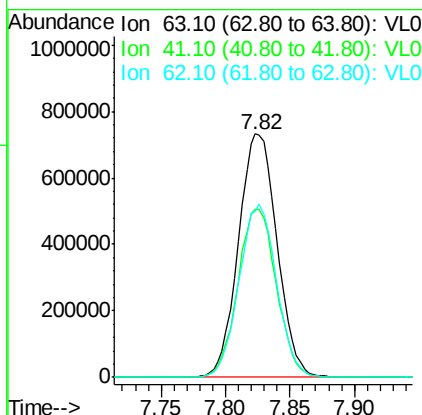
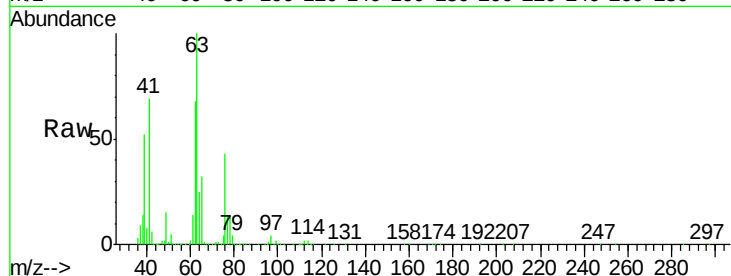


#39
 1,2-Dichloropropane
 Concen: 10.340 ppbv
 RT: 7.82 min Scan# 2095
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Instrument :
 MSVOA_L
 ClientSampleID :

Tot Ion: 63 Resp: 1526339

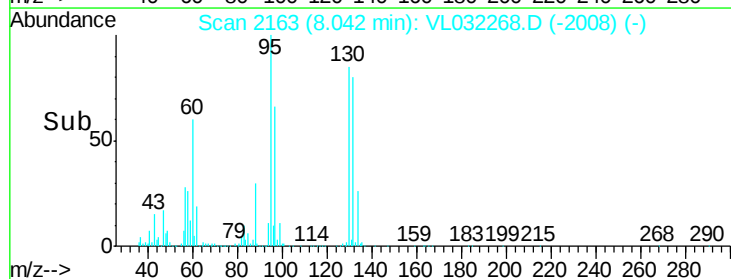
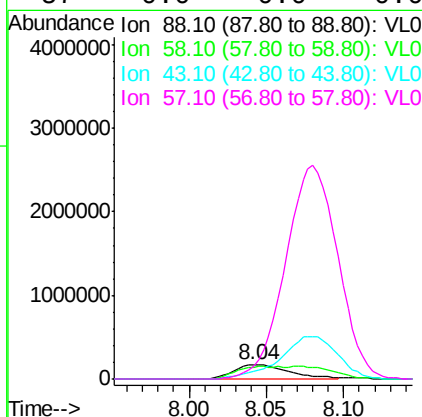
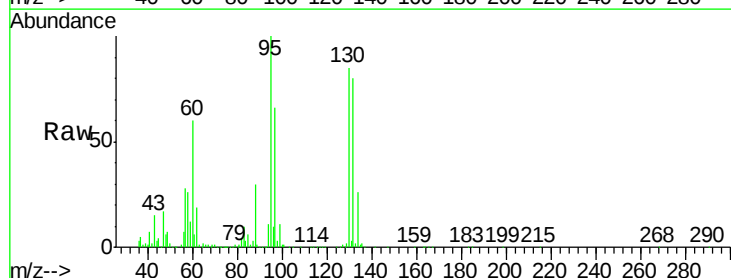
Ion	Ratio	Lower	Upper
63	100		
41	68.8	55.8	83.6
62	68.2	53.8	80.8

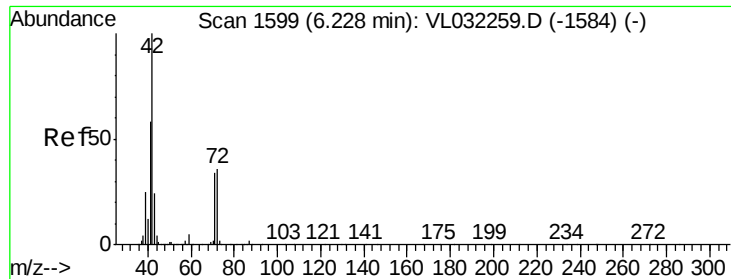


#40
 1,4-Dioxane
 Concen: 9.553 ppbv
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion: 88 Resp: 416546

Ion	Ratio	Lower	Upper
88	100		
58	152.0	60.9	91.3#
43	0.0	0.0	0.0
57	0.0	0.0	0.0

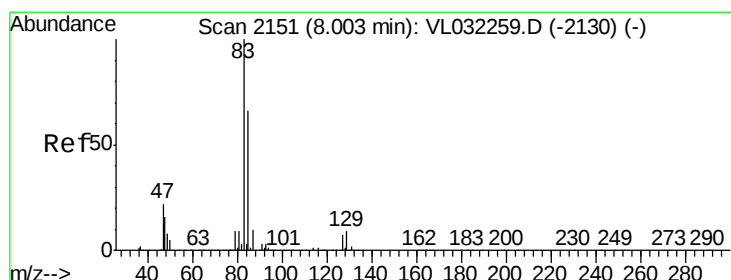
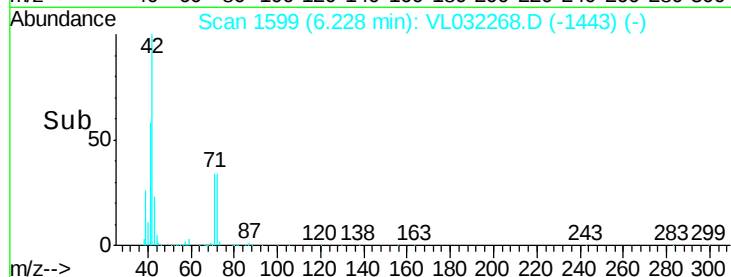
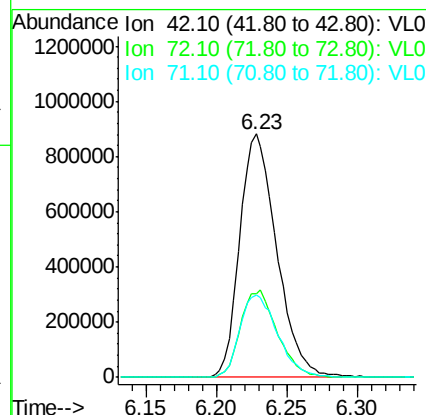
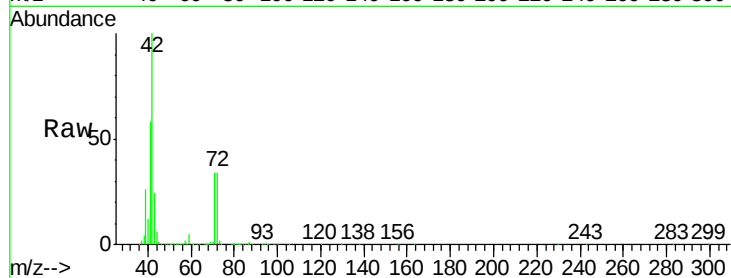




#41
Tetrahydrofuran
Concen: 10.699 ppbv
RT: 6.23 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

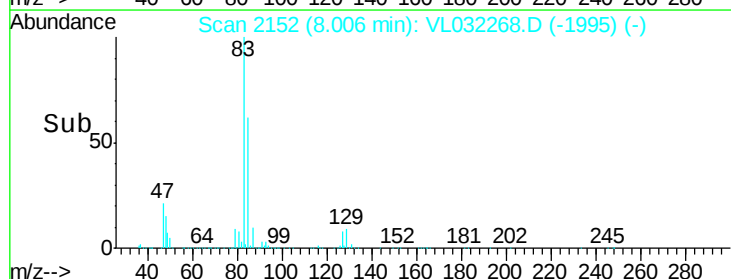
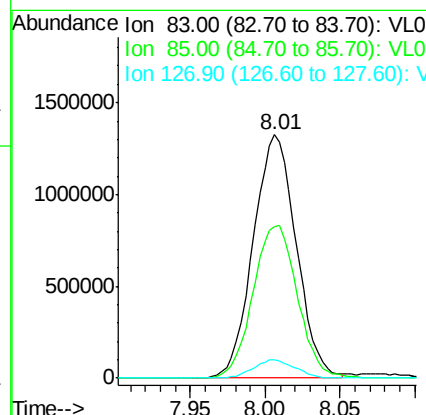
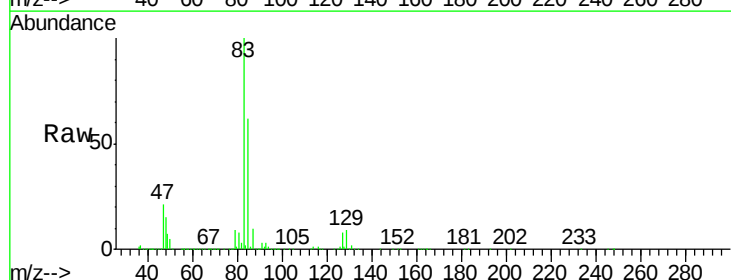
Instrument :
MSVOA_L
ClientSampleId :

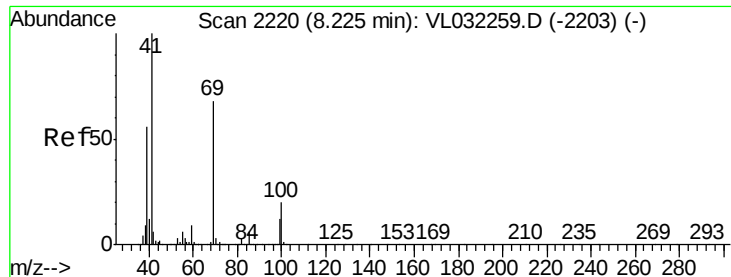
Tot Ion: 42 Resp: 1622297
Ion Ratio Lower Upper
42 100
72 35.8 29.4 44.0
71 34.6 28.2 42.4



#42
Bromodichloromethane
Concen: 9.553 ppbv
RT: 8.01 min Scan# 2152
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion: 83 Resp: 2649285
Ion Ratio Lower Upper
83 100
85 62.1 53.0 79.4
127 7.7 5.7 8.5

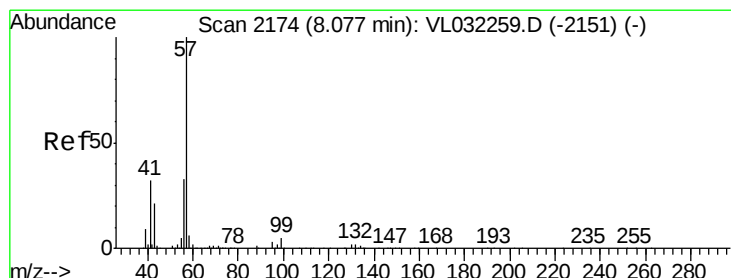
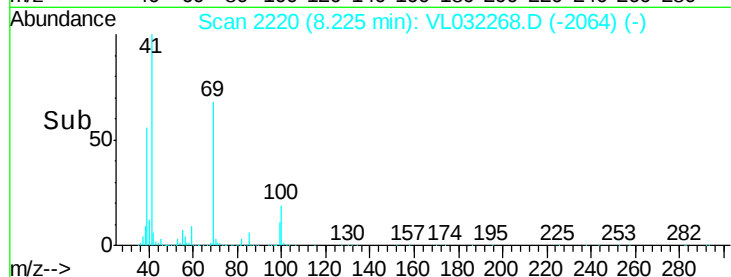
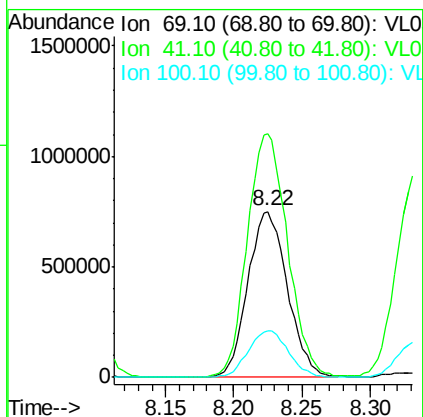
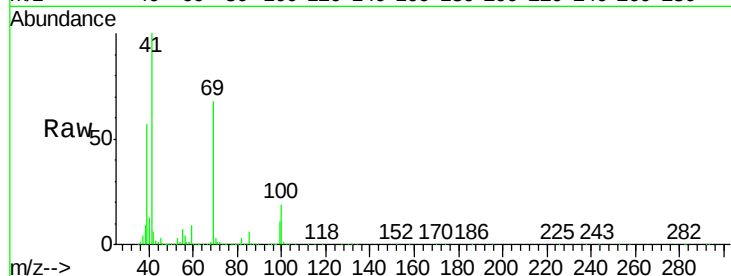




#43
Methvl Methacrylate
Concen: 9.896 ppbv
RT: 8.22 min Scan# 2220
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

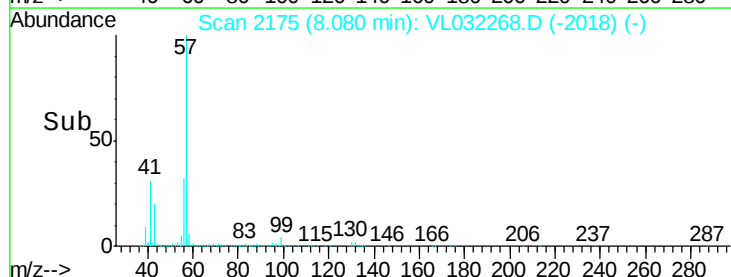
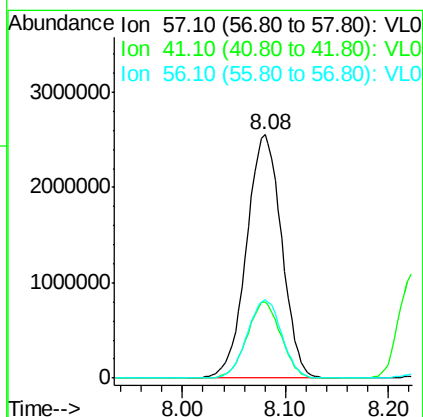
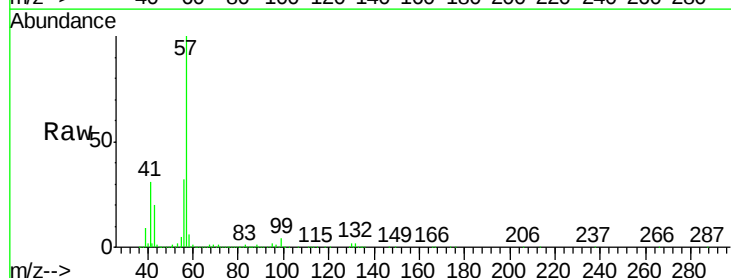
Instrument :
MSVOA_L
ClientSampled :

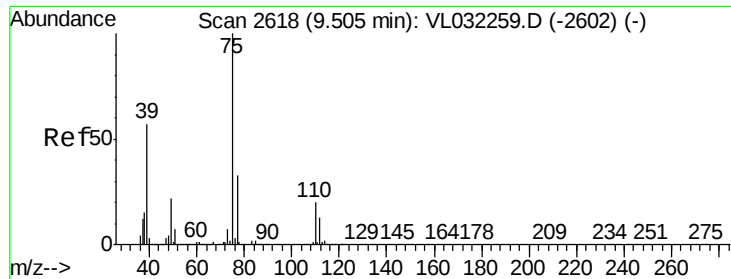
Tot Ion: 69 Resp: 1512306
Ion Ratio Lower Upper
69 100
41 149.4 118.6 177.8
100 28.7 23.3 34.9



#44
2,2,4-Trimethylpentane
Concen: 9.290 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion: 57 Resp: 6037115
Ion Ratio Lower Upper
57 100
41 30.2 24.4 36.6
56 31.6 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 12.558 ppbv

RT: 9.51 min Scan# 2619

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

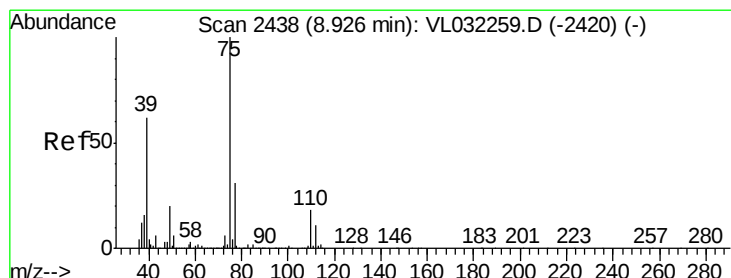
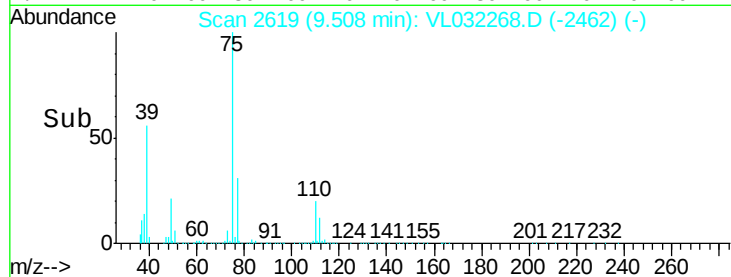
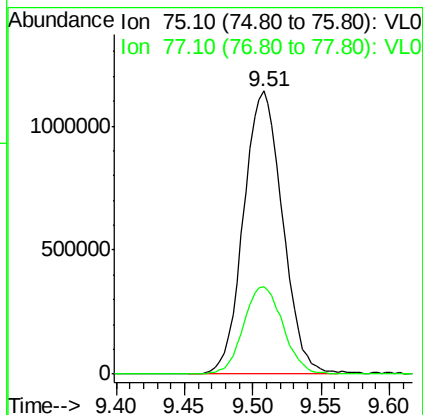
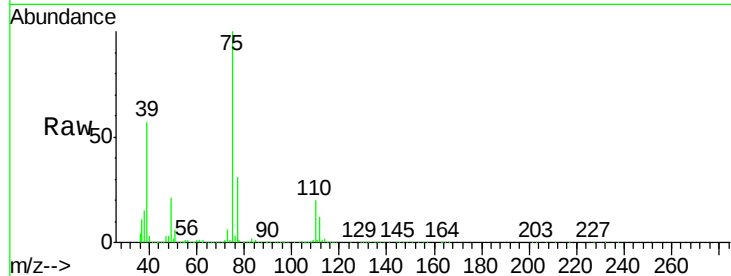
ClientSampleId :

Tot Ion: 75 Resp: 2261340

Ion Ratio Lower Upper

75 100

77 31.0 26.2 39.4



#46

cis-1,3-Dichloropropene

Concen: 10.211 ppbv

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

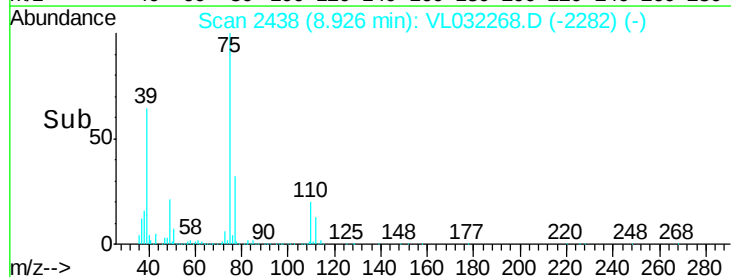
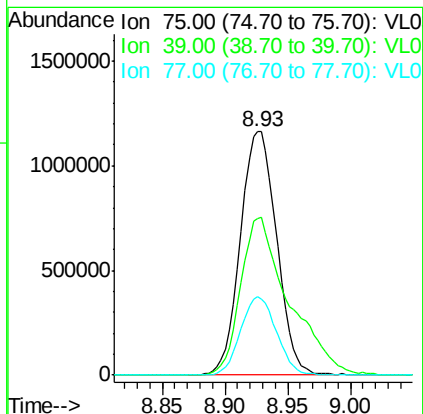
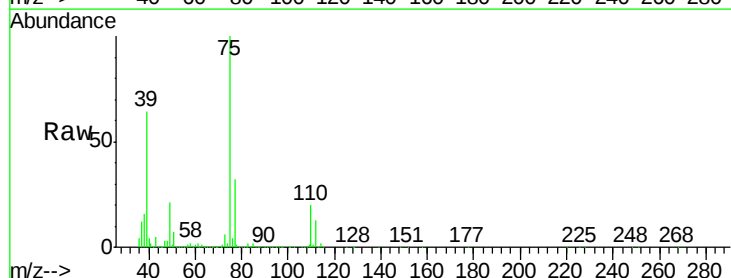
Tgt Ion: 75 Resp: 2345130

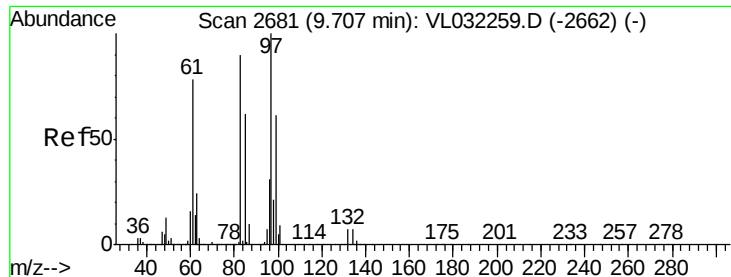
Ion Ratio Lower Upper

75 100

39 64.2 49.9 74.9

77 32.0 25.0 37.4

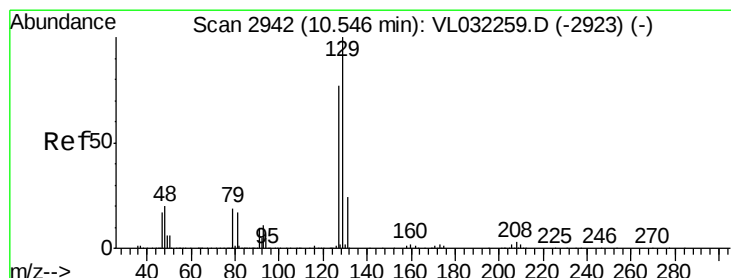
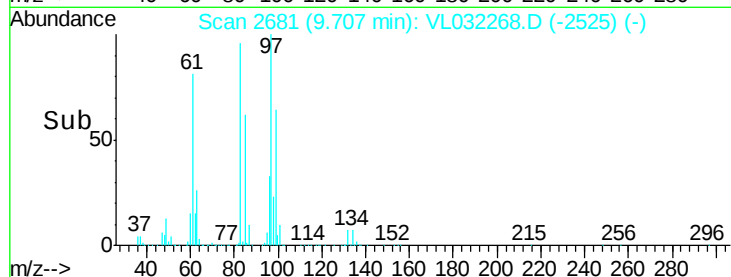
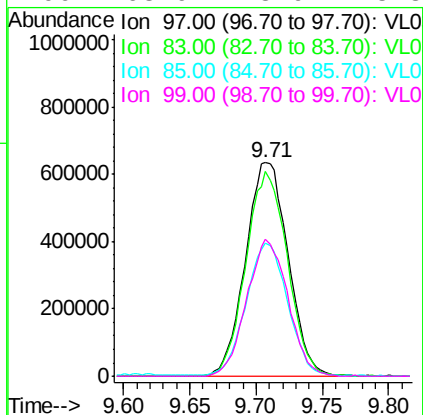
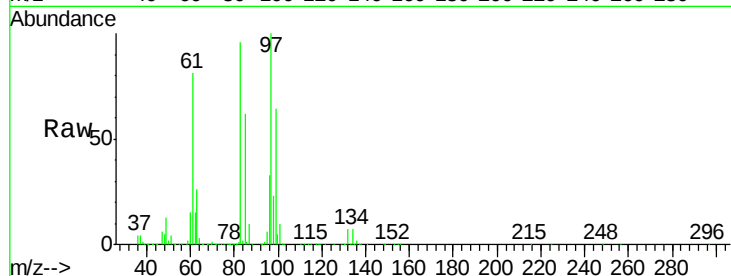




#47
 1,1,2-Trichloroethane
 Concen: 8.902 ppbv
 RT: 9.71 min Scan# 2681
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

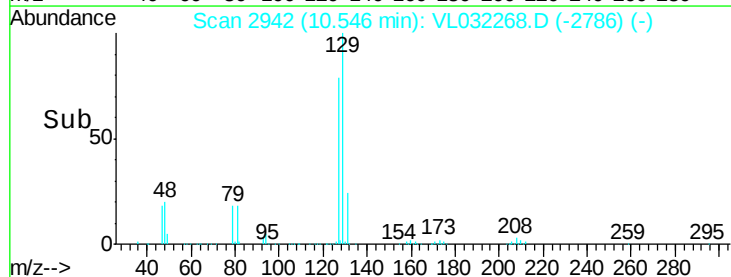
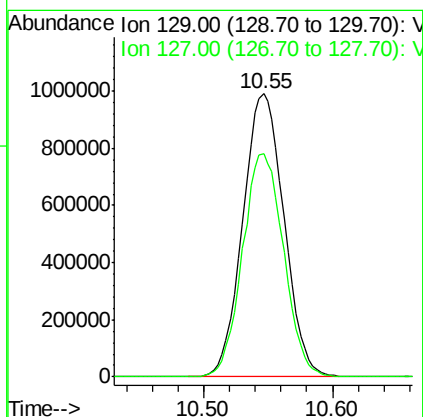
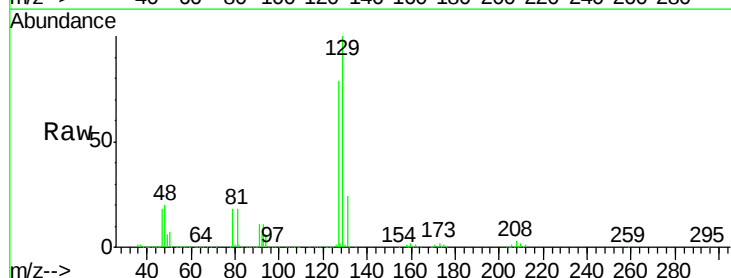
Instrument :
 MSVOA_L
 ClientSampleId :

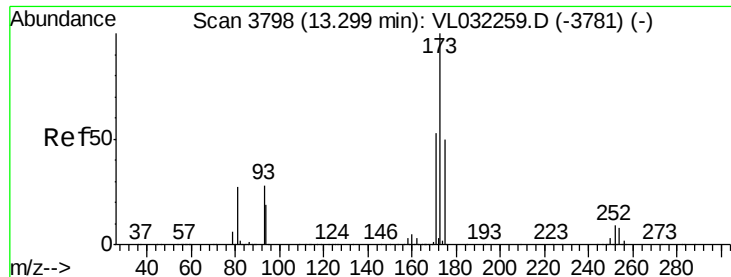
Tot Ion: 97 Resp: 1420193
 Ion Ratio Lower Upper
 97 100
 83 96.0 72.3 108.5
 85 62.0 49.5 74.3
 99 63.9 48.9 73.3



#48
 Dibromochloromethane
 Concen: 9.457 ppbv
 RT: 10.55 min Scan# 2942
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion: 129 Resp: 2200465
 Ion Ratio Lower Upper
 129 100
 127 79.0 39.1 117.3





#49

Bromoform

Concen: 10.426 ppbv

RT: 13.30 min Scan# 3798

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

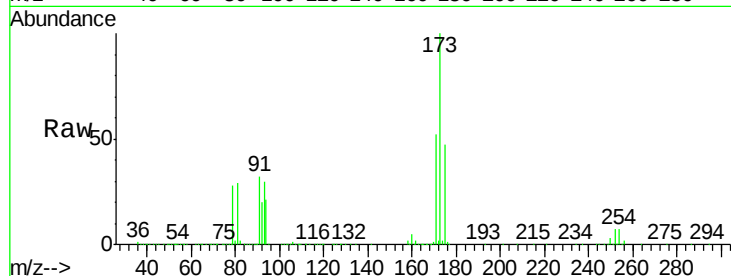
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:173 Resp: 2117006

Ion	Ratio	Lower	Upper
173	100		
175	48.5	39.0	58.6
171	52.1	41.6	62.4

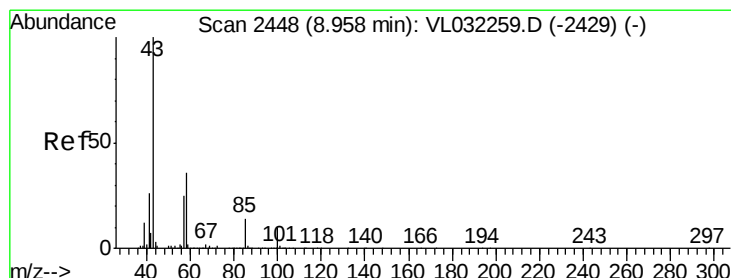
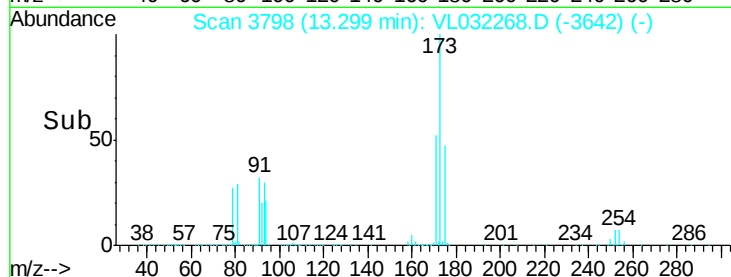
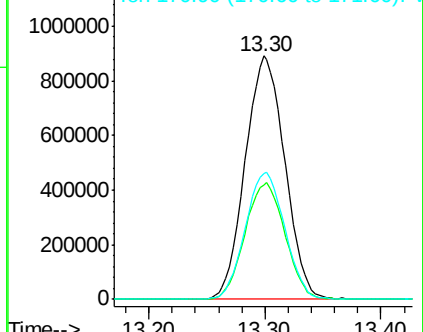


Abundance

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: 9.648 ppbv

RT: 8.96 min Scan# 2449

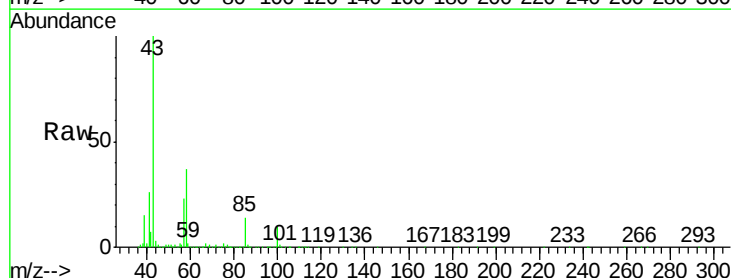
Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Tgt Ion: 43 Resp: 4126997

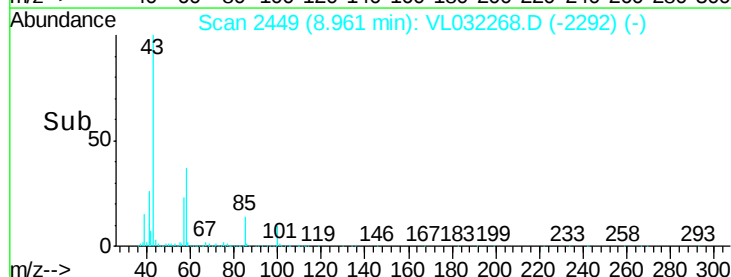
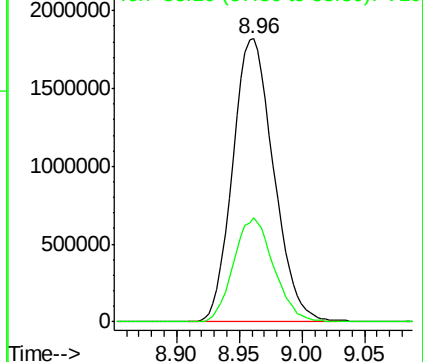
Ion	Ratio	Lower	Upper
43	100		
58	36.2	29.2	43.8

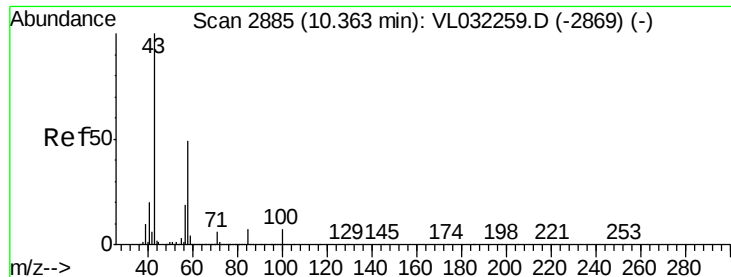


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.087 ppbv

RT: 10.36 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

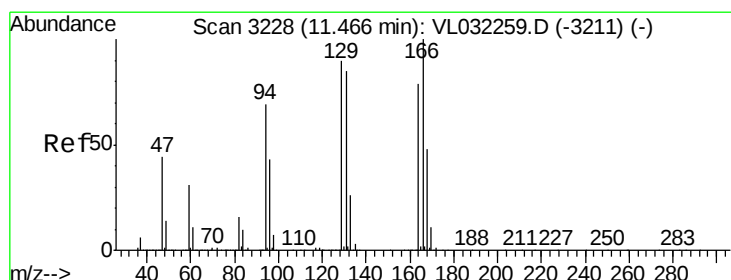
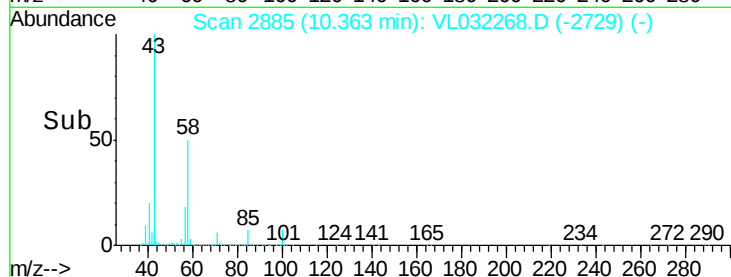
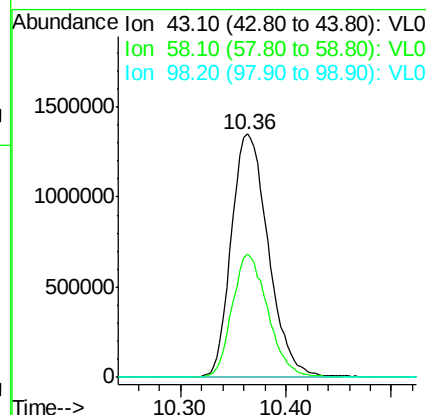
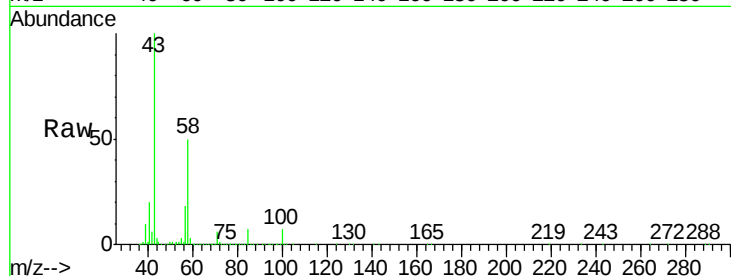
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 3289106

Ion	Ratio	Lower	Upper
43	100		
58	49.0	39.4	59.2
98	0.4	0.2	0.2#



#52

Tetrachloroethene

Concen: 9.179 ppbv

RT: 11.47 min Scan# 3229

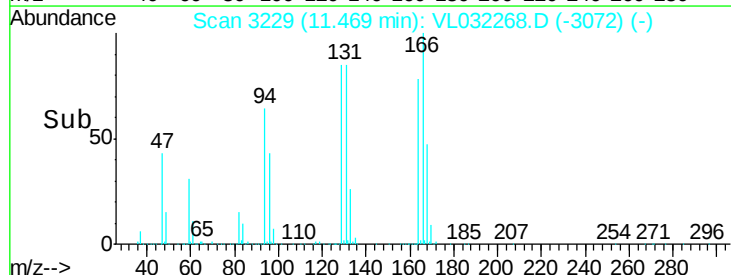
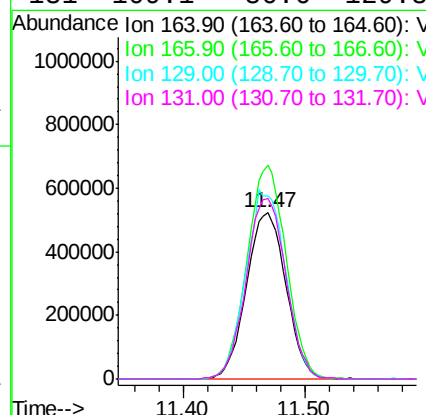
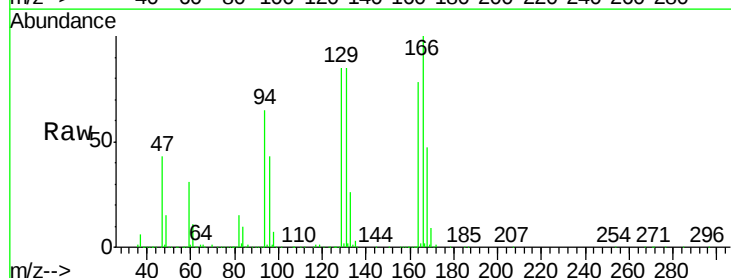
Delta R.T. 0.00 min

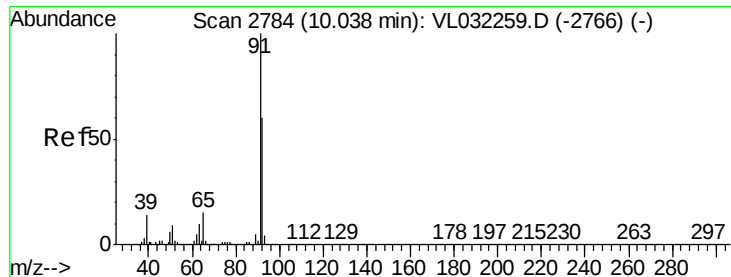
Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Tgt Ion: 164 Resp: 1168980

Ion	Ratio	Lower	Upper
164	100		
166	128.7	101.7	152.5
129	110.0	91.5	137.3
131	109.1	86.6	129.8





#53

Toluene

Concen: 8.433 ppbv

RT: 10.04 min Scan# 2785

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

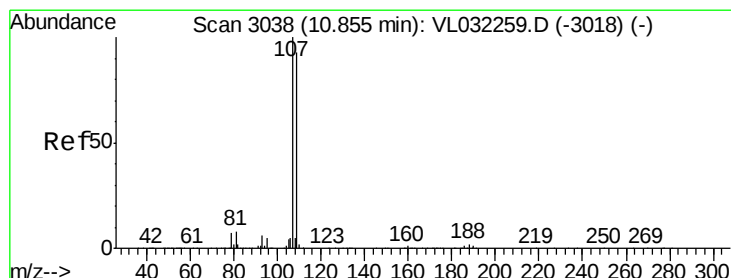
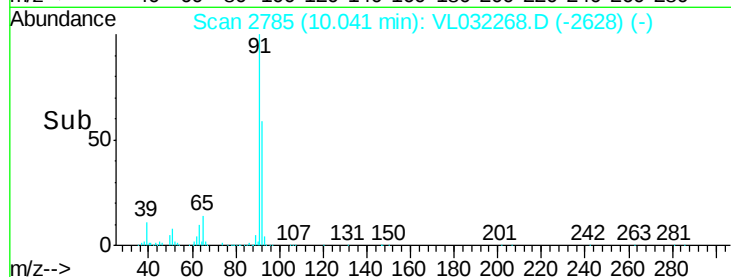
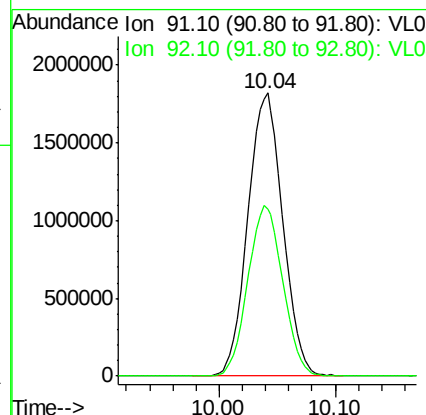
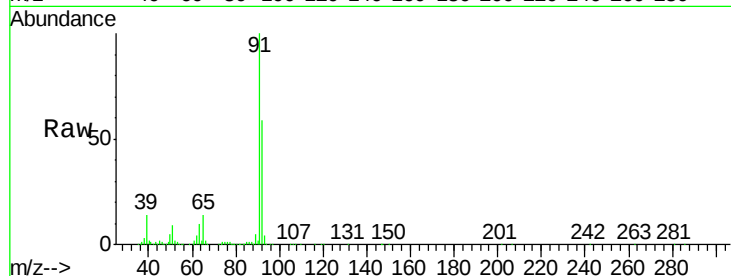
ClientSampleId :

Tot Ion: 91 Resp: 3812202

Ion Ratio Lower Upper

91 100

92 60.1 48.6 72.8



#54

1,2-Dibromoethane

Concen: 9.565 ppbv

RT: 10.85 min Scan# 3038

Delta R.T. 0.00 min

Lab File: VL032268.D

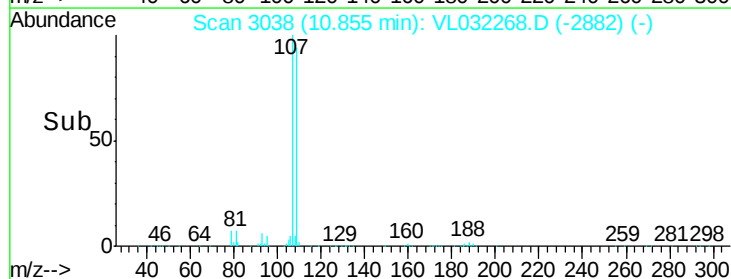
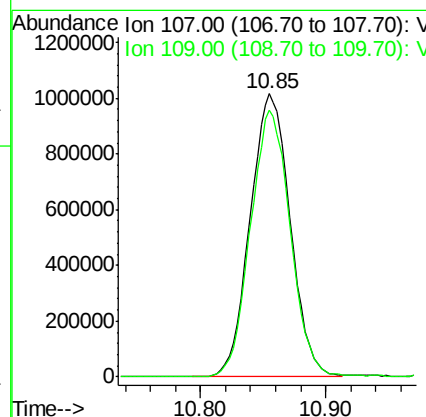
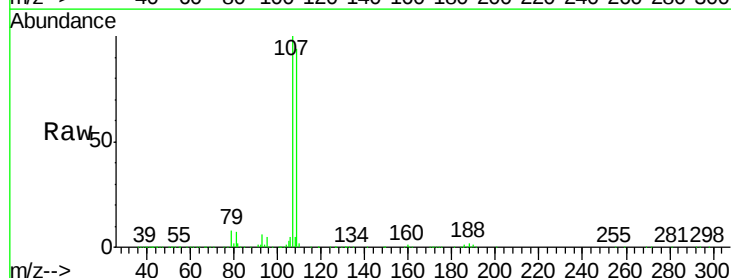
Acq: 18 Jul 2018 19:47

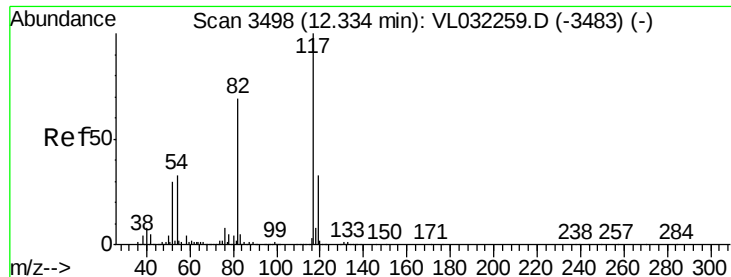
Tgt Ion: 107 Resp: 2251250

Ion Ratio Lower Upper

107 100

109 94.0 74.8 112.2

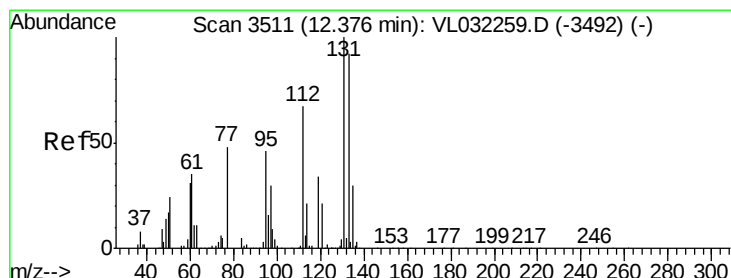
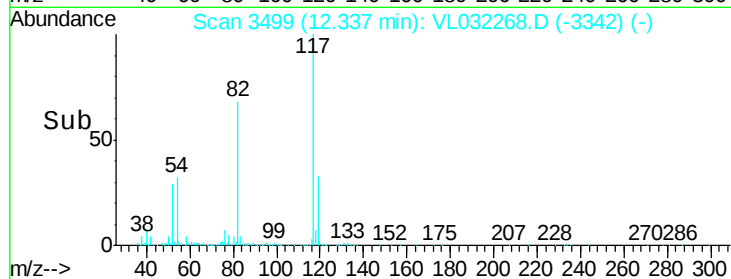
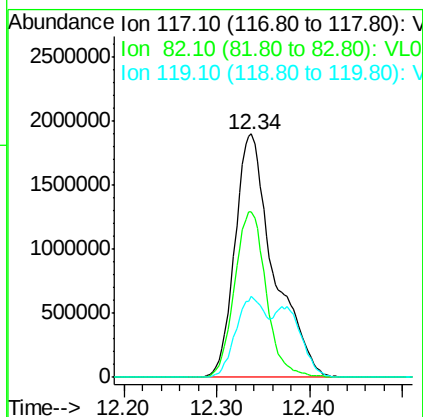
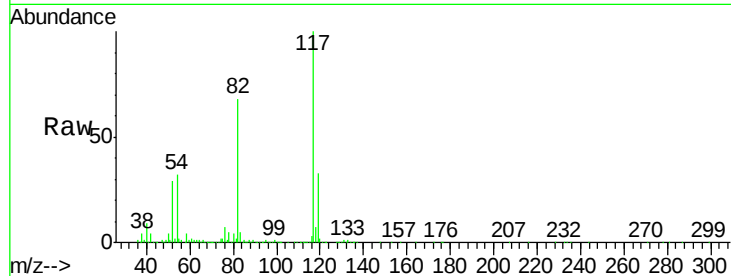




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.34 min Scan# 3499
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

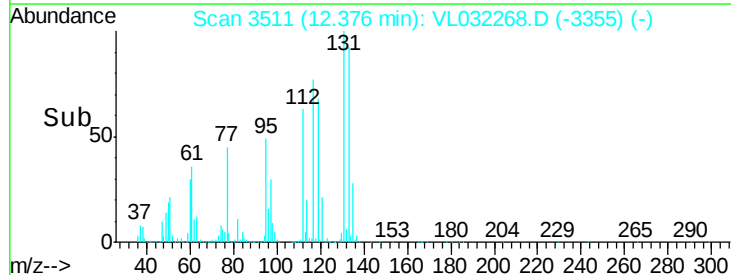
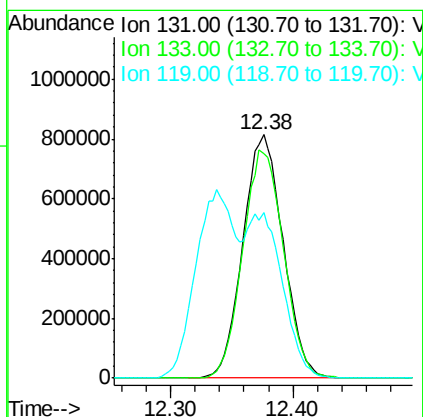
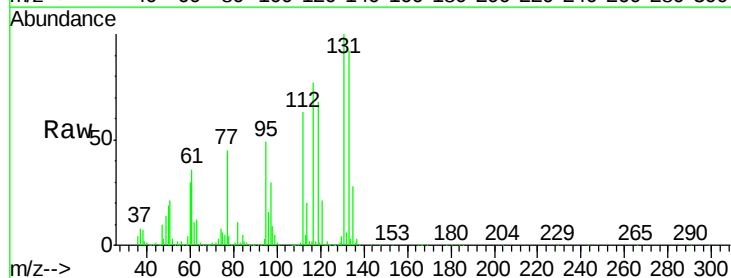
Instrument :
MSVOA_L
ClientSampleId :

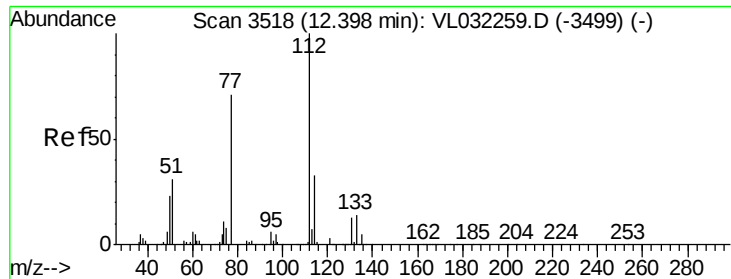
Tot Ion:117 Resp: 5517101
Ion Ratio Lower Upper
117 100
82 55.6 53.9 80.9
119 47.0 25.5 38.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.534 ppbv
RT: 12.38 min Scan# 3511
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion:131 Resp: 1851253
Ion Ratio Lower Upper
131 100
133 95.3 75.4 113.0
119 58.7 49.4 74.2

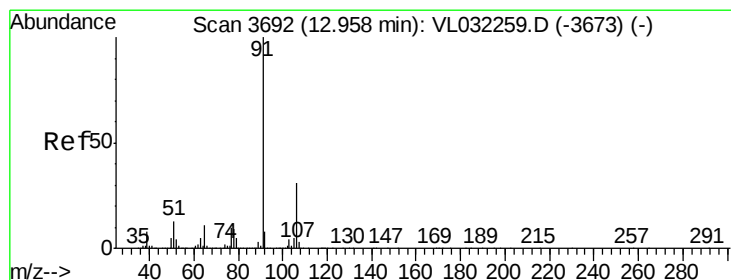
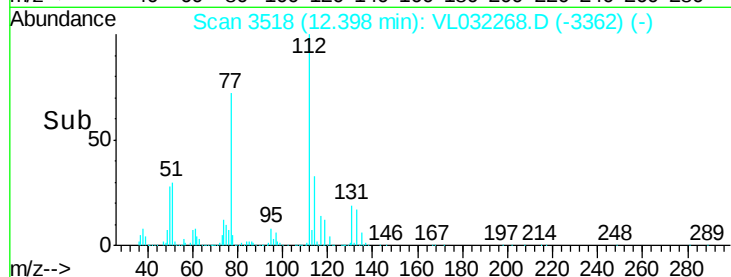
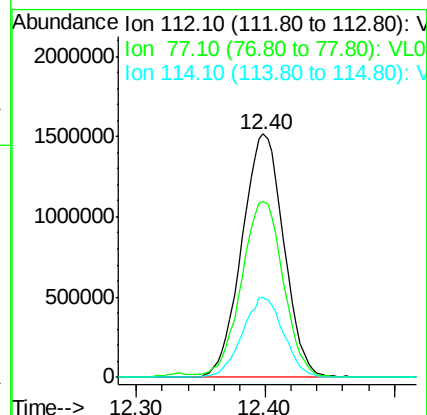
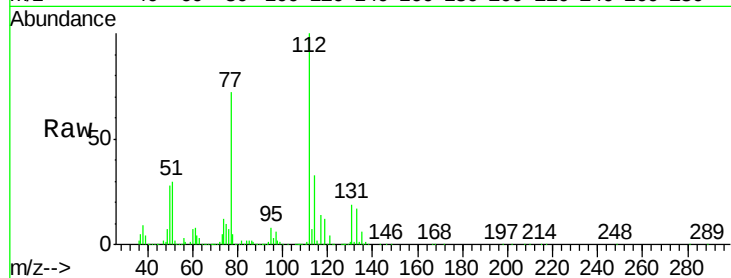




#57
Chlorobenzene
Concen: 7.555 ppbv
RT: 12.40 min Scan# 3518
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

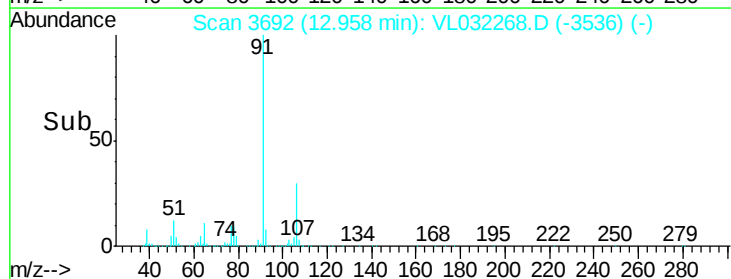
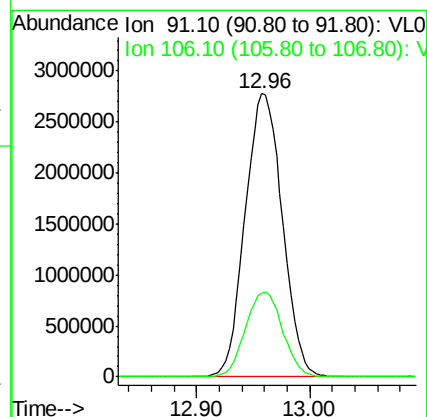
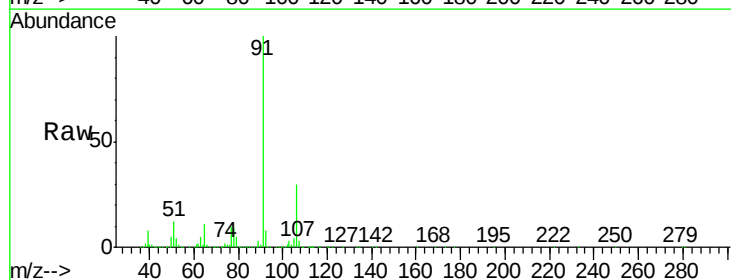
Instrument :
MSVOA_L
ClientSampleId :

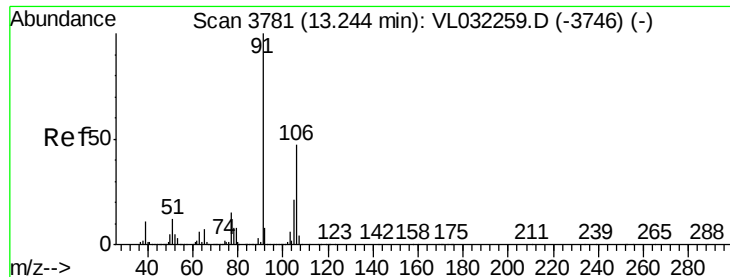
Tot Ion:112 Resp: 3419256
Ion Ratio Lower Upper
112 100
77 72.0 58.2 87.4
114 32.6 29.5 36.1



#58
Ethyl Benzene
Concen: 8.177 ppbv
RT: 12.96 min Scan# 3692
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion: 91 Resp: 6357447
Ion Ratio Lower Upper
91 100
106 29.7 24.5 36.7

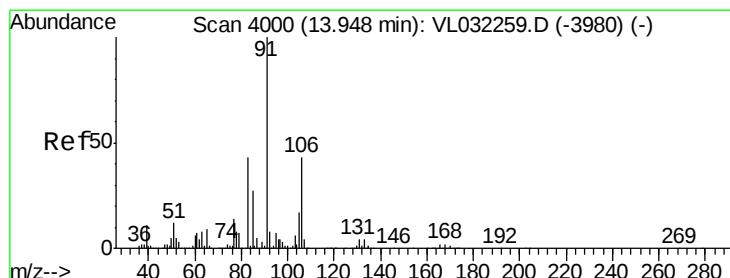
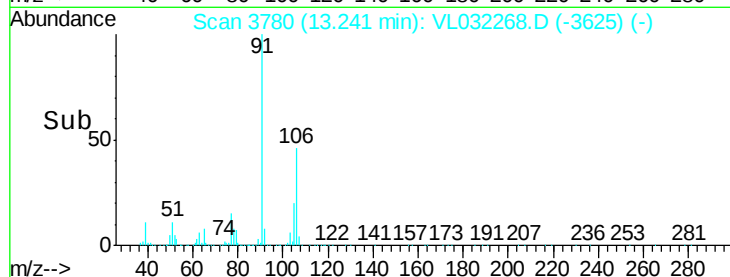
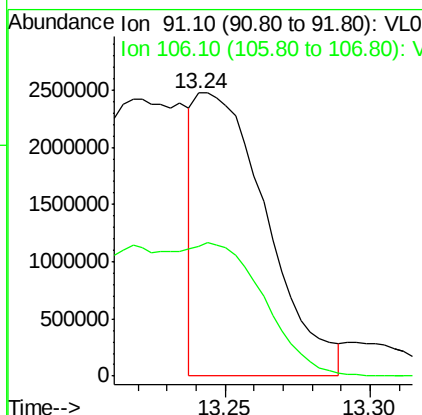
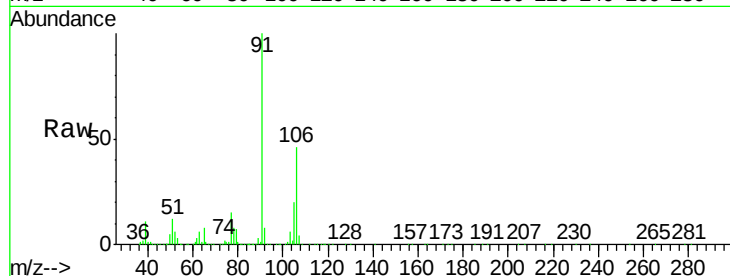




#59
m/p-Xylene
Concen: 6.350 ppbv
RT: 13.24 min Scan# 3780
Delta R.T. -0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

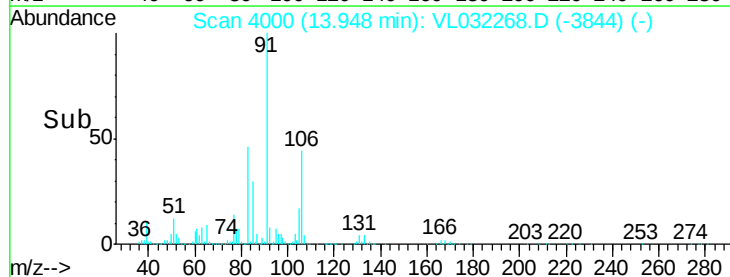
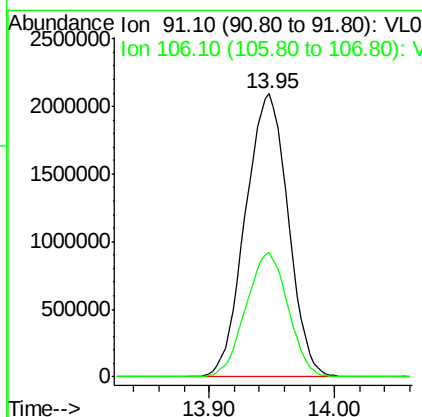
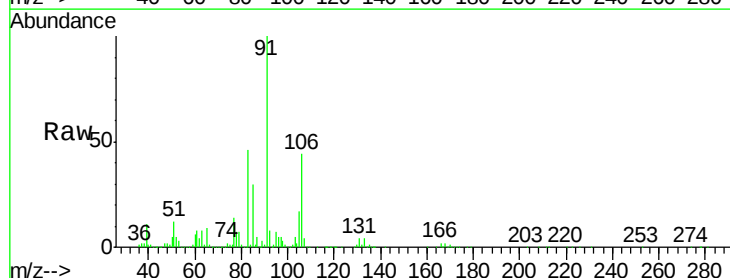
Instrument :
MSVOA_L
ClientSampled :

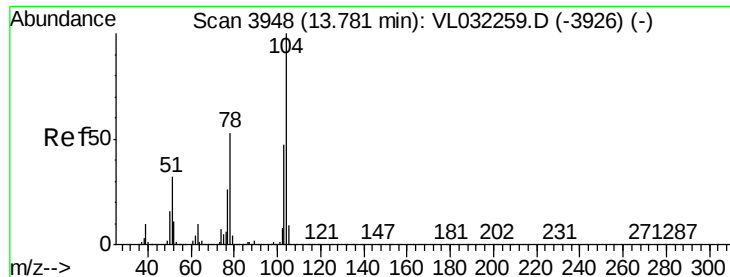
Tot Ion: 91 Resp: 4211364
Ion Ratio Lower Upper
91 100
106 110.4 36.2 54.2#



#60
o-Xylene
Concen: 7.508 ppbv
RT: 13.95 min Scan# 4000
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion: 91 Resp: 4958960
Ion Ratio Lower Upper
91 100
106 43.4 21.7 65.1

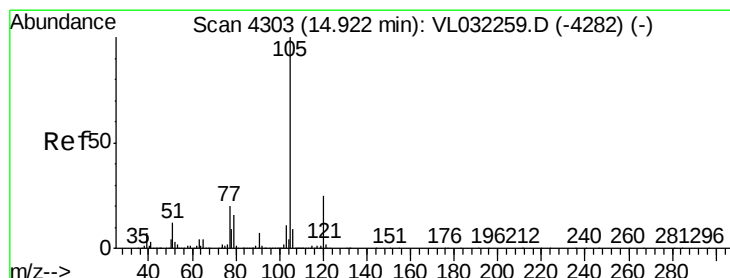
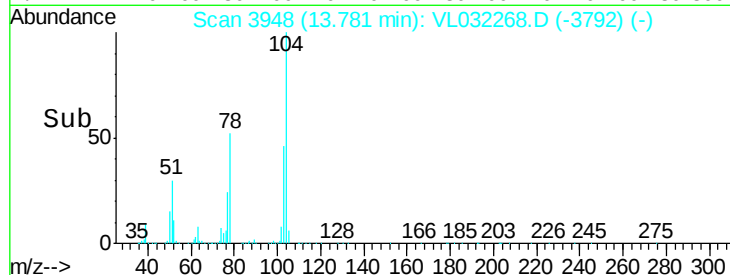
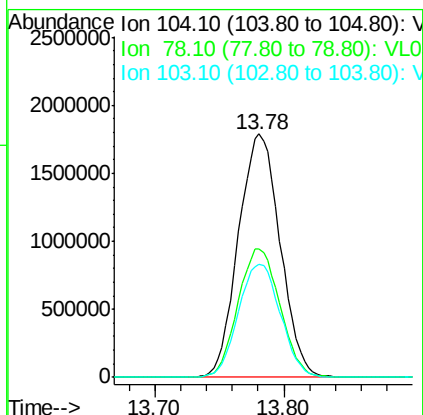
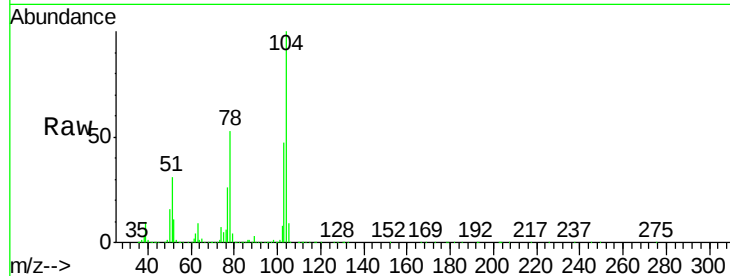




#61
Stvrene
Concen: 8.213 ppbv
RT: 13.78 min Scan# 3948
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

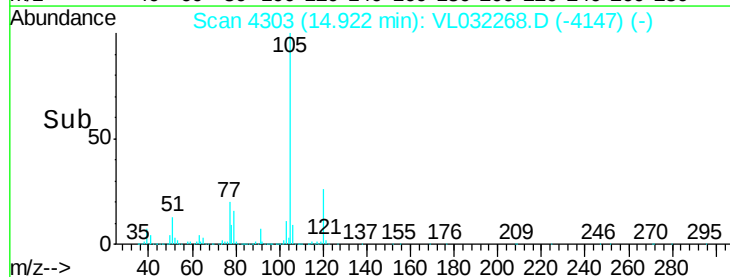
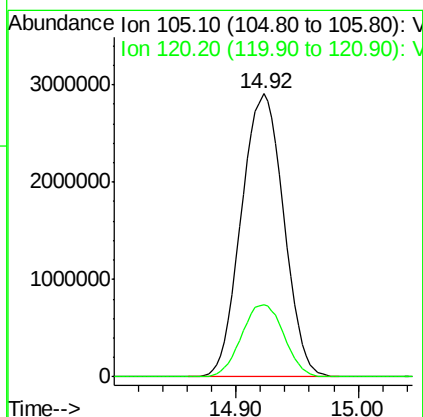
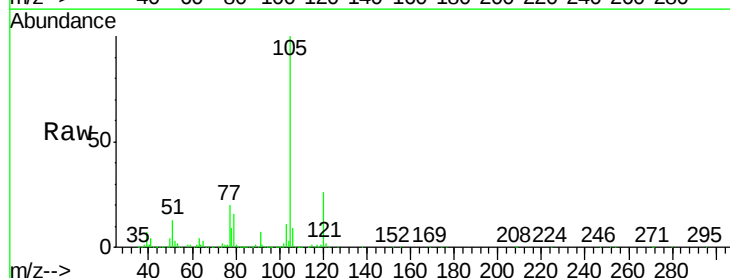
Instrument :
MSVOA_L
ClientSampled :

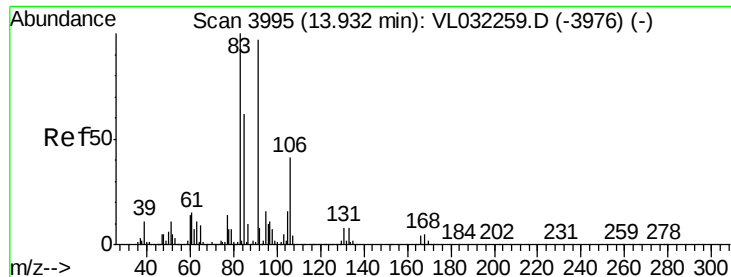
Tot Ion:104 Resp: 4028301
Ion Ratio Lower Upper
104 100
78 53.2 43.2 64.8
103 47.1 37.8 56.6



#62
Isopropylbenzene
Concen: 7.377 ppbv
RT: 14.92 min Scan# 4303
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion:105 Resp: 6985706
Ion Ratio Lower Upper
105 100
120 25.7 20.2 30.4

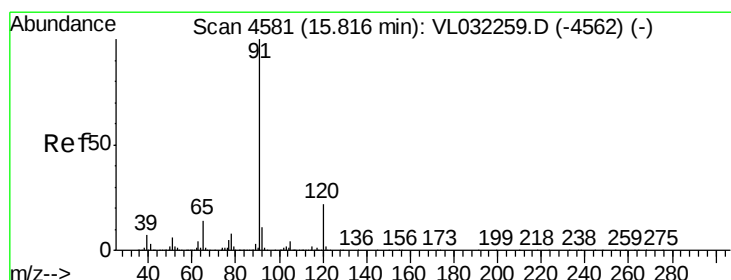
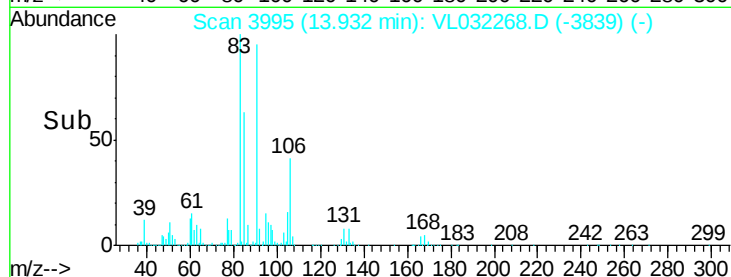
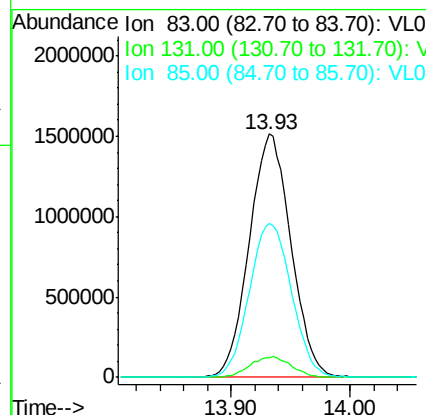
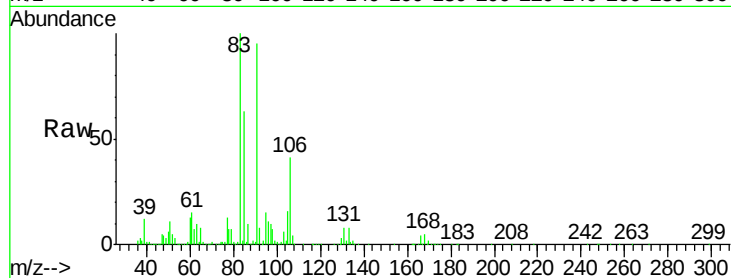




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.507 ppbv
 RT: 13.93 min Scan# 3995
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

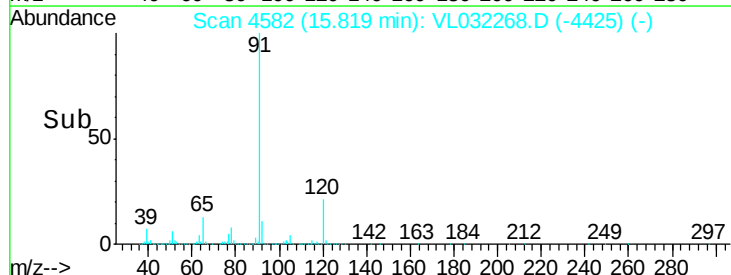
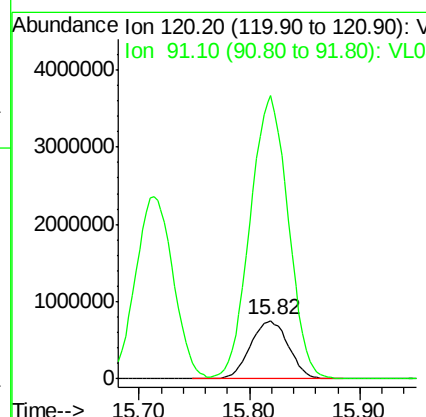
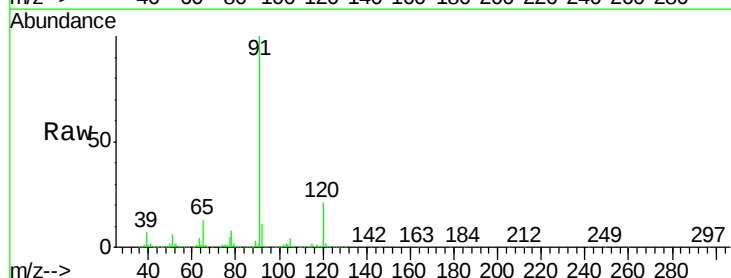
Instrument :
 MSVOA_L
 ClientSampled :

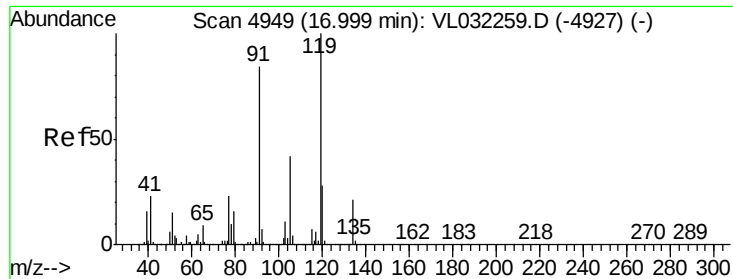
Tot Ion: 83 Resp: 3664868
 Ion Ratio Lower Upper
 83 100
 131 8.5 4.2 12.6
 85 64.3 32.2 96.6



#64
 n-propylbenzene
 Concen: 7.410 ppbv
 RT: 15.82 min Scan# 4582
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion:120 Resp: 1801650
 Ion Ratio Lower Upper
 120 100
 91 488.3 384.4 576.6

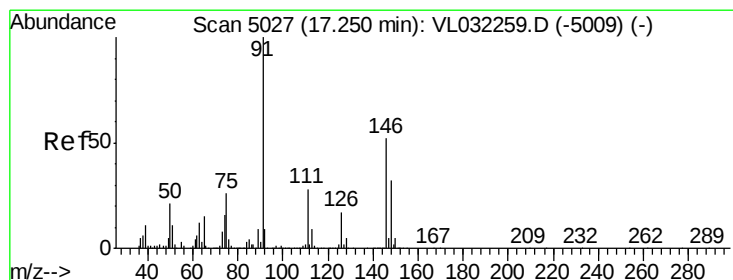
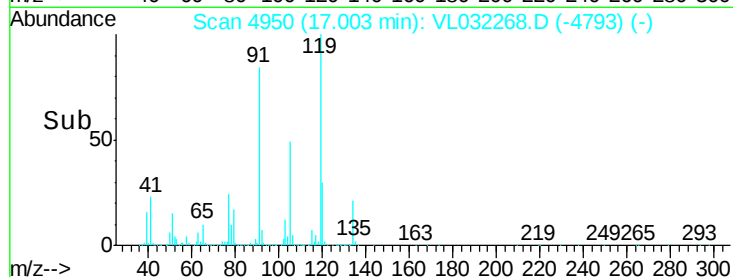
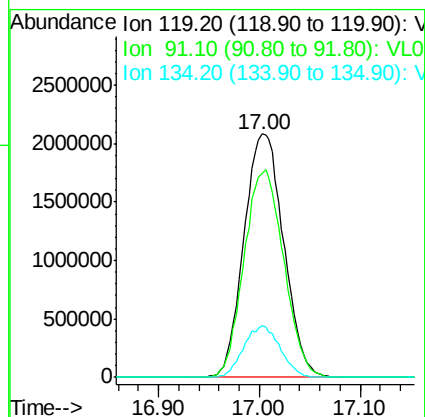
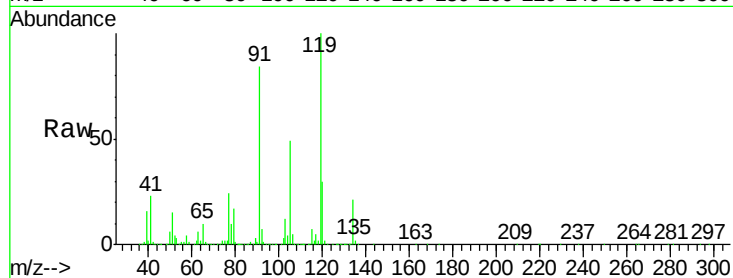




#65
tert-Butylbenzene
Concen: 7.037 ppbv
RT: 17.00 min Scan# 4950
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

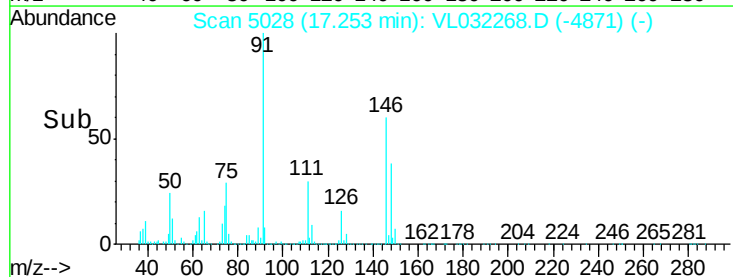
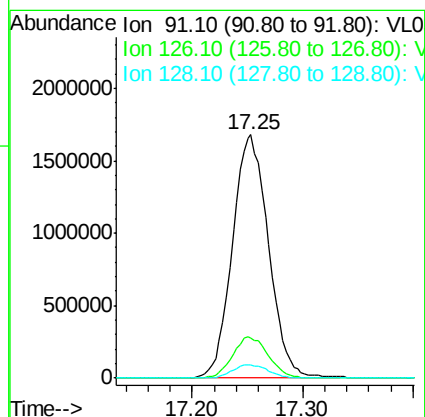
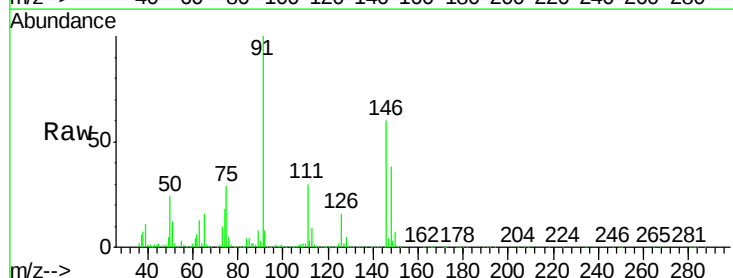
Instrument :
MSVOA_L
ClientSampleId :

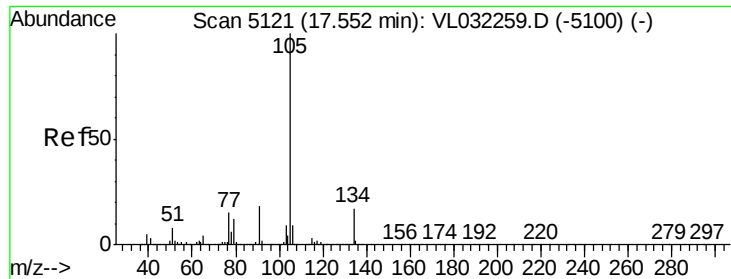
Tot Ion:119 Resp: 5677510
Ion Ratio Lower Upper
119 100
91 85.4 68.2 102.4
134 19.6 15.6 23.4



#66
Benzyl Chloride
Concen: 8.350 ppbv
RT: 17.25 min Scan# 5028
Delta R.T. 0.00 min
Lab File: VL032268.D
Acq: 18 Jul 2018 19:47

Tgt Ion: 91 Resp: 3792985
Ion Ratio Lower Upper
91 100
126 17.1 13.4 20.2
128 5.5 4.3 6.5





#67

sec-Butylbenzene

Concen: 7.095 ppbv

RT: 17.56 min Scan# 5122

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

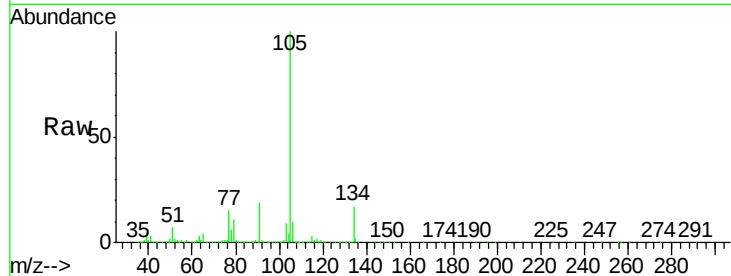
ClientSampleId :

Tot Ion:105 Resp: 8540186

Ion Ratio Lower Upper

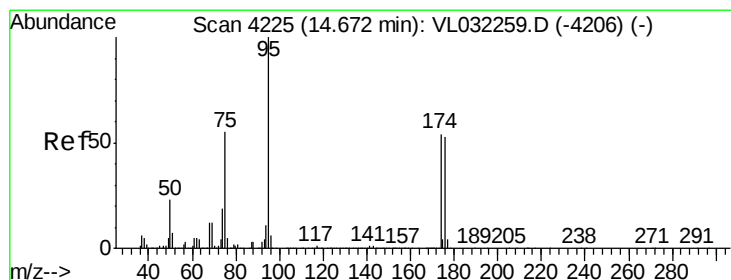
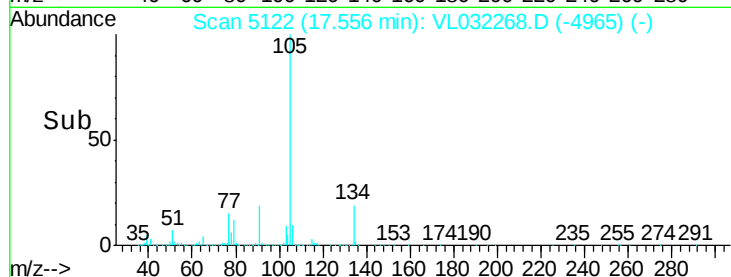
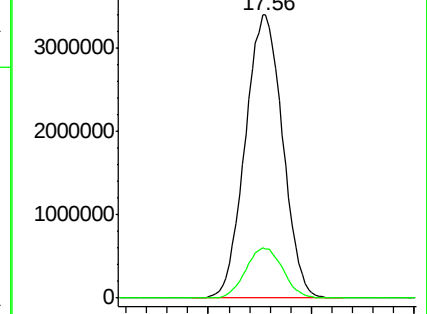
105 100

134 17.6 14.0 21.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 7.811 ppbv

RT: 14.67 min Scan# 4225

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

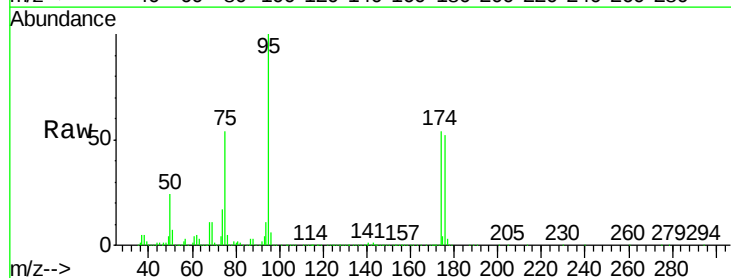
Tgt Ion: 95 Resp: 3493844

Ion Ratio Lower Upper

95 100

174 56.0 44.3 66.5

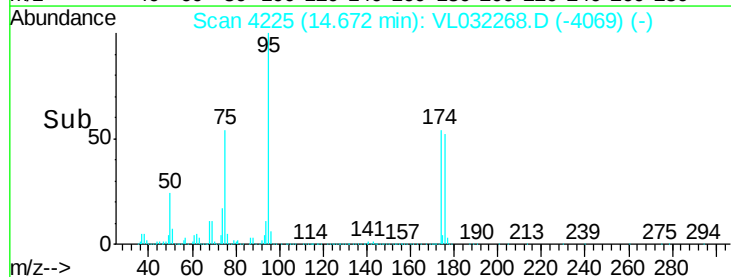
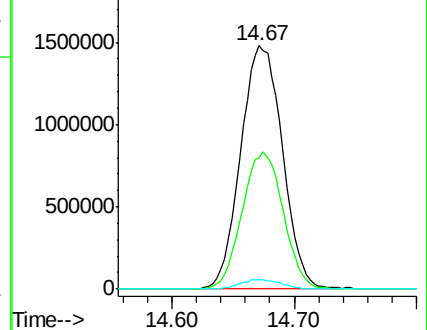
175 3.9 3.3 4.9

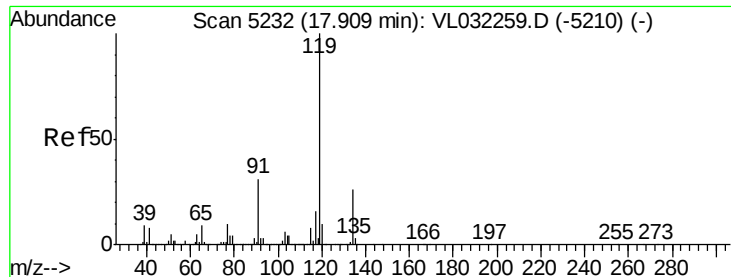


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



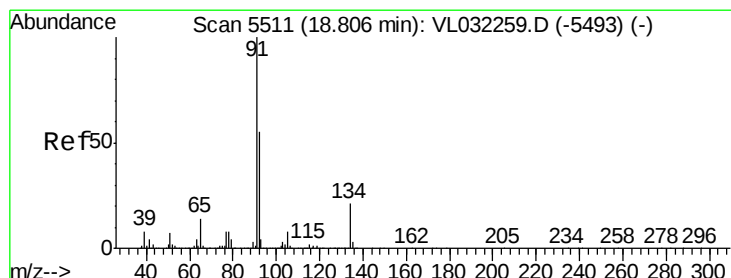
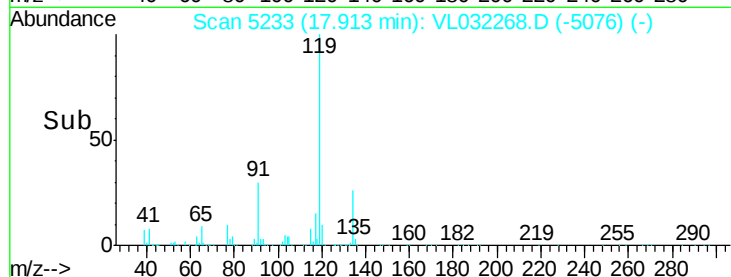
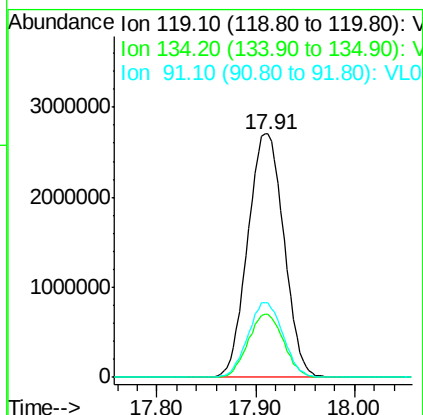
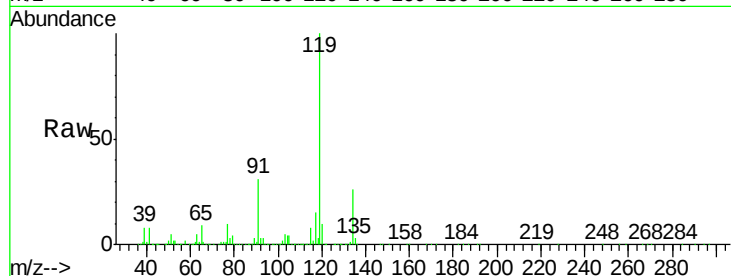


#69
 p-Isopropyltoluene
 Concen: 7.339 ppbv
 RT: 17.91 min Scan# 5233
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 6823917

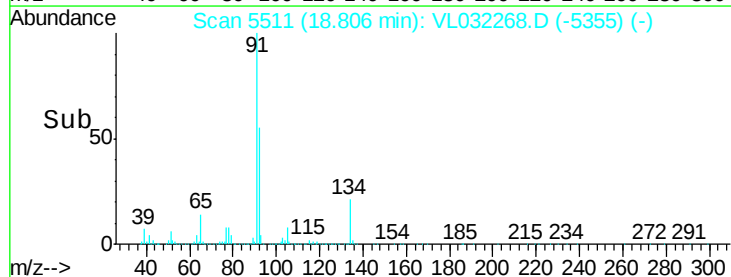
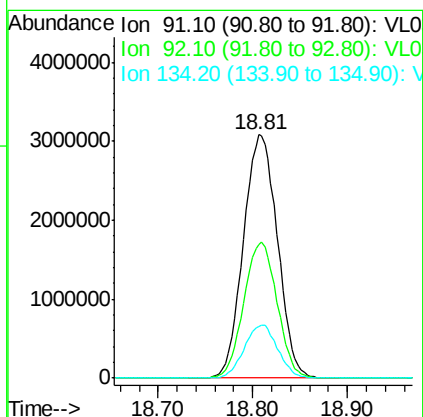
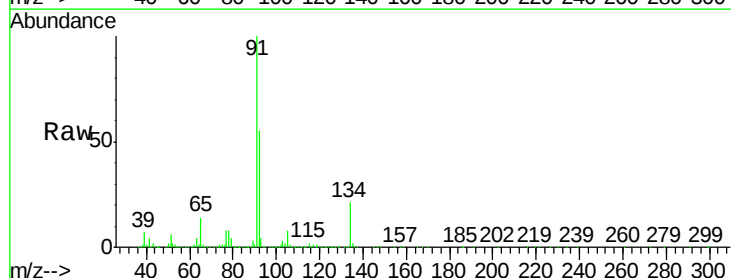
Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.3	30.5
91	29.9	24.1	36.1

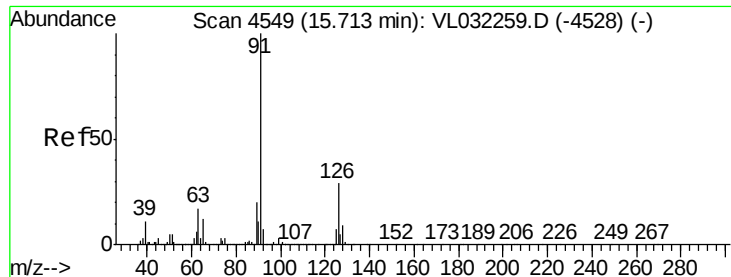


#70
 n-Butylbenzene
 Concen: 7.418 ppbv
 RT: 18.81 min Scan# 5511
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion: 91 Resp: 7694055

Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.8	65.6
134	21.4	17.1	25.7





#71

2-Chlorotoluene

Concen: 7.374 ppbv

RT: 15.71 min Scan# 4549

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

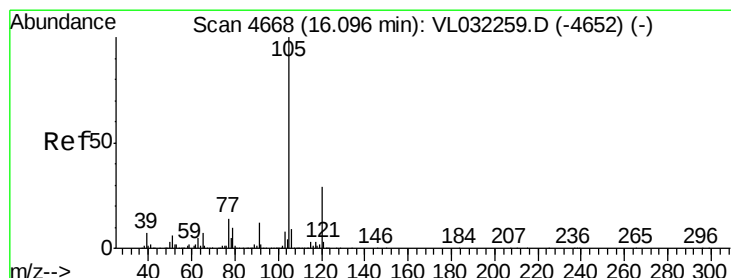
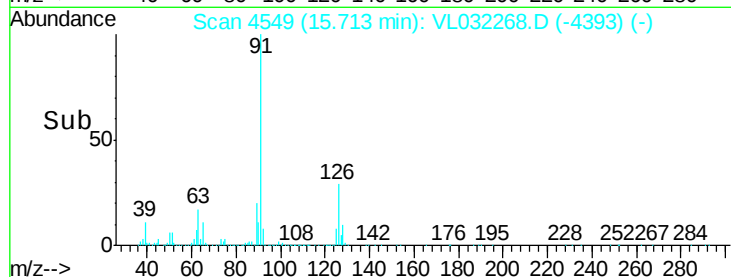
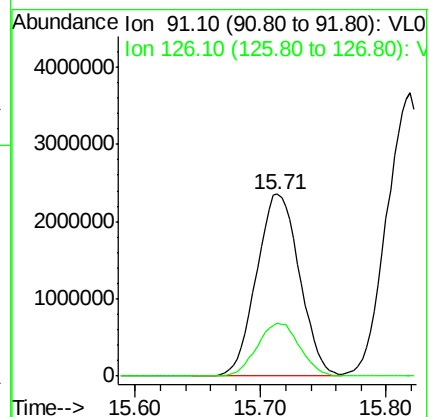
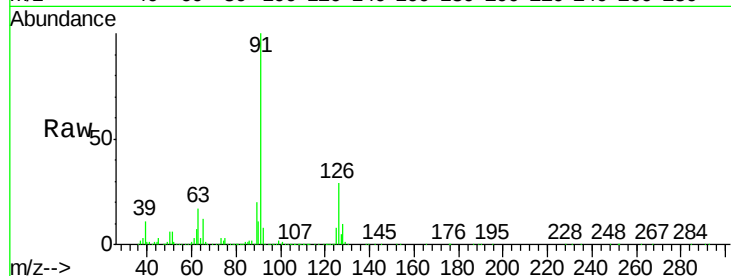
ClientSampled :

Tot Ion: 91 Resp: 5596543

Ion Ratio Lower Upper

91 100

126 29.0 11.6 46.2



#72

4-Ethyltoluene

Concen: 7.656 ppbv

RT: 16.10 min Scan# 4668

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Tgt Ion: 105 Resp: 5841797

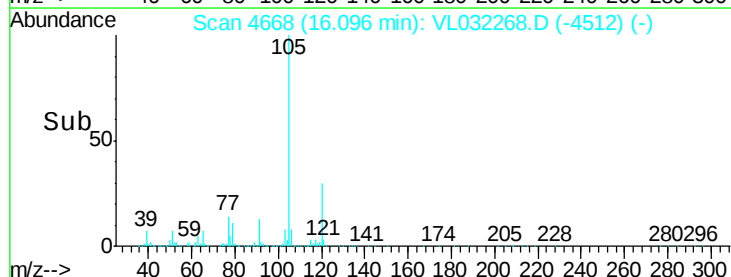
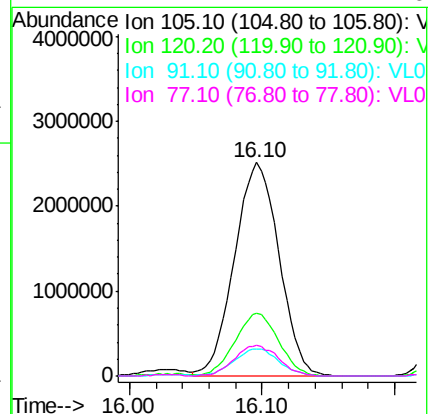
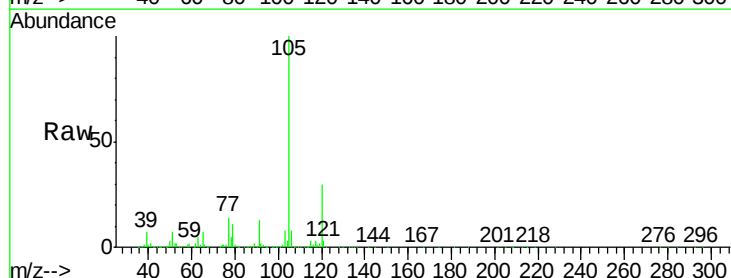
Ion Ratio Lower Upper

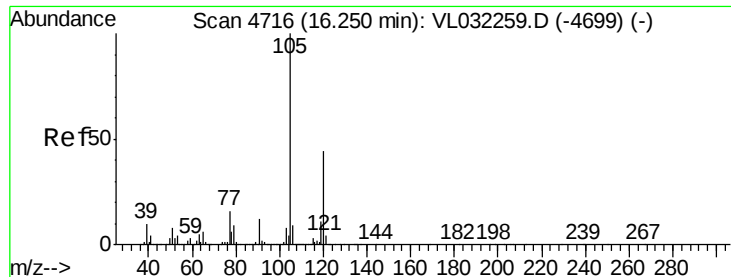
105 100

120 29.1 23.0 34.6

91 12.7 10.1 15.1

77 14.2 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 7.396 ppbv

RT: 16.26 min Scan# 4718

Delta R.T. 0.01 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

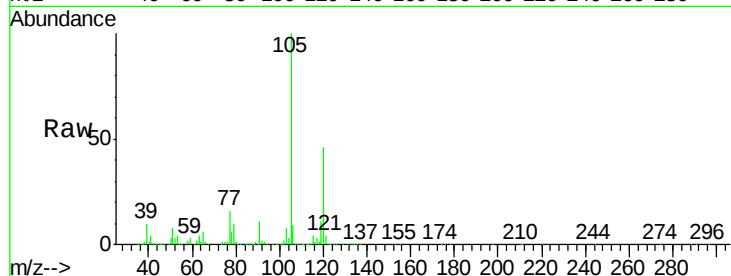
ClientSampleId :

Tot Ion:105 Resp: 5517644

Ion Ratio Lower Upper

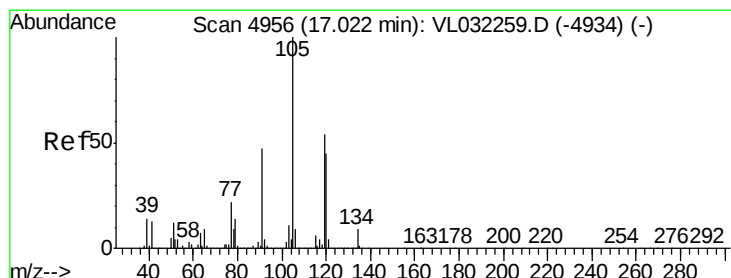
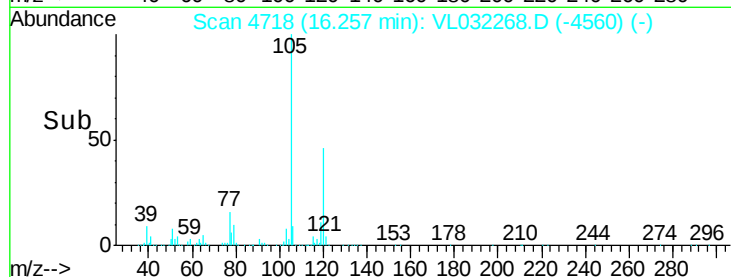
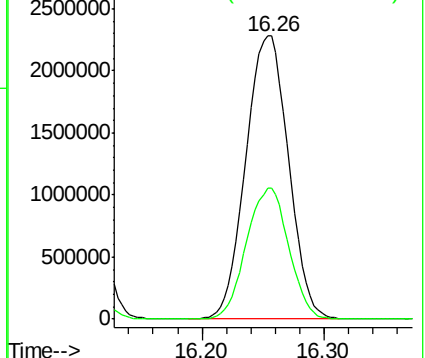
105 100

120 46.4 35.5 53.3



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: 6.933 ppbv

RT: 17.02 min Scan# 4956

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Tgt Ion:105 Resp: 5414760

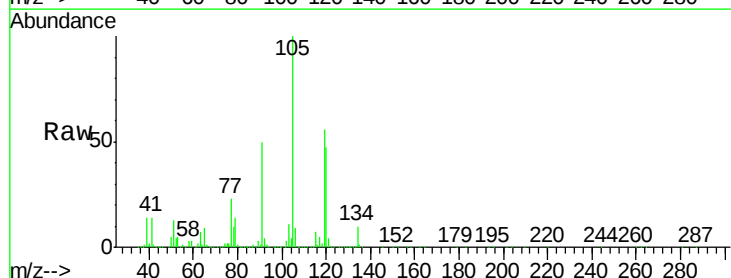
Ion Ratio Lower Upper

105 100

120 46.5 35.8 53.6

91 49.5 38.2 57.4

77 22.6 17.5 26.3

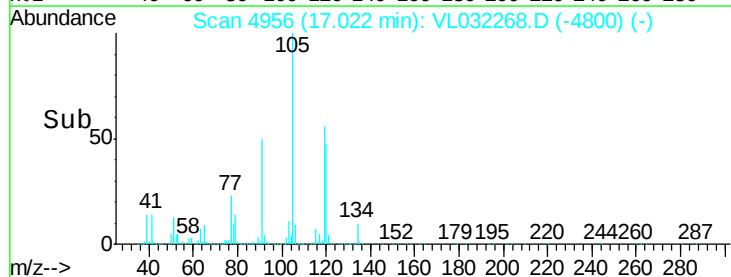
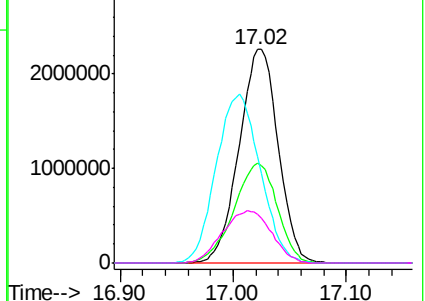


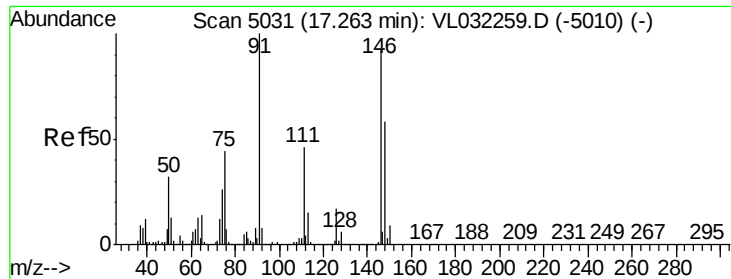
Abundance Ion 105.10 (104.80 to 105.80): V

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

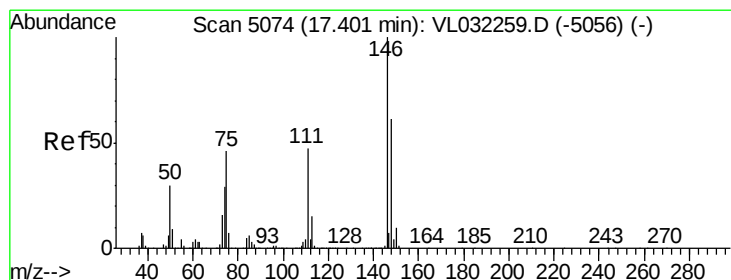
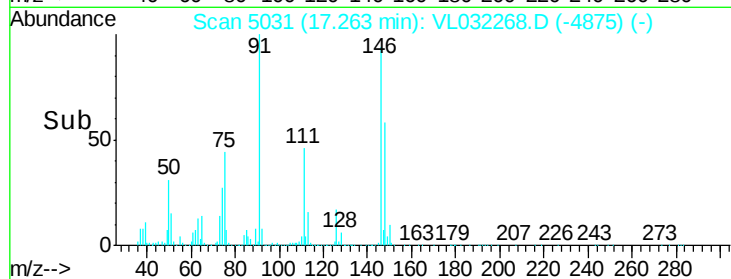
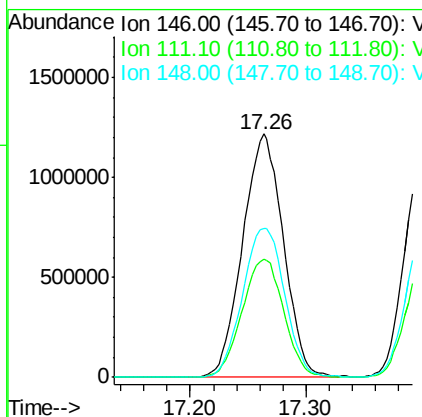
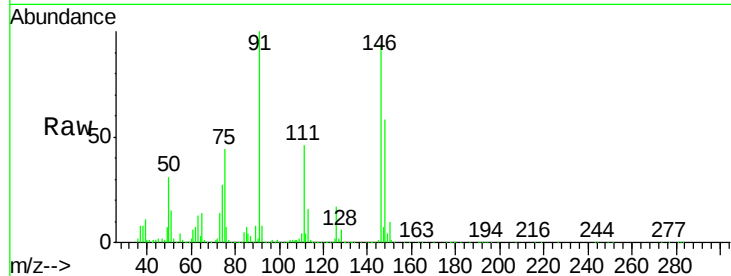




#75
 1,3-Dichlorobenzene
 Concen: 6.853 ppbv
 RT: 17.26 min Scan# 5031
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

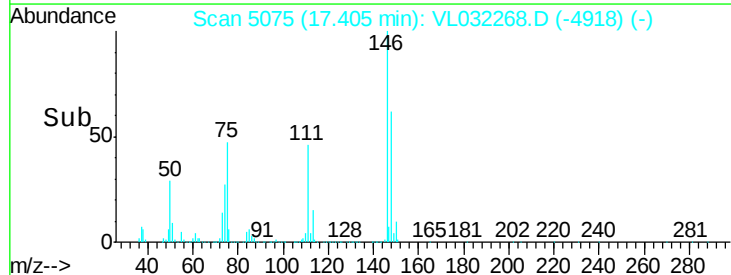
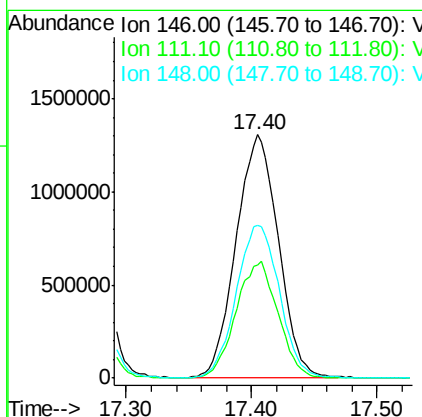
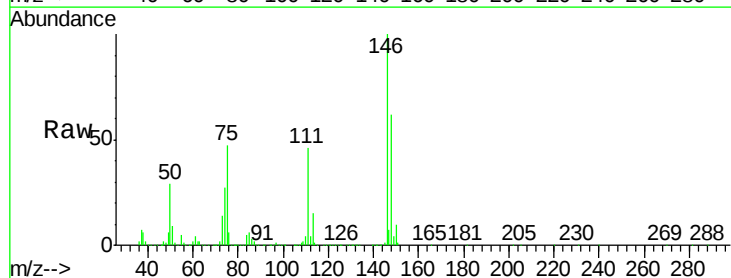
Instrument :
 MSVOA_L
 ClientSampleId :

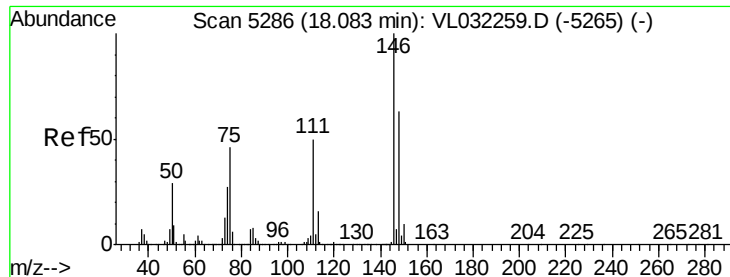
Tot Ion:146 Resp: 2973792
 Ion Ratio Lower Upper
 146 100
 111 49.7 25.1 75.4
 148 63.4 31.8 95.3



#76
 1,4-Dichlorobenzene
 Concen: 7.076 ppbv
 RT: 17.40 min Scan# 5075
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion:146 Resp: 3045876
 Ion Ratio Lower Upper
 146 100
 111 48.2 24.1 72.2
 148 64.6 31.9 95.9

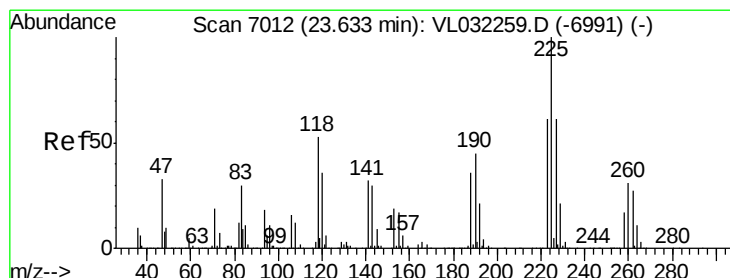
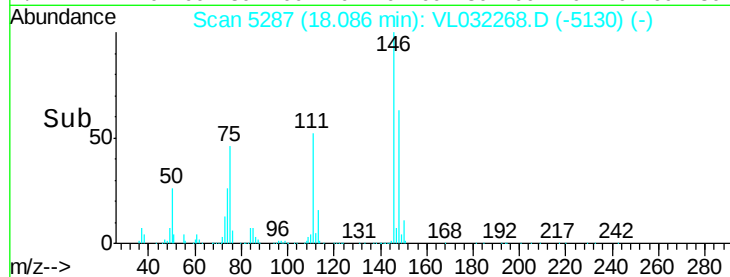
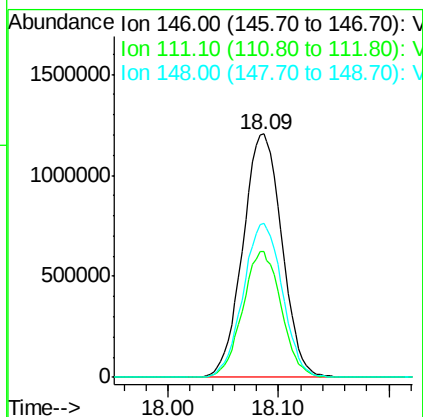
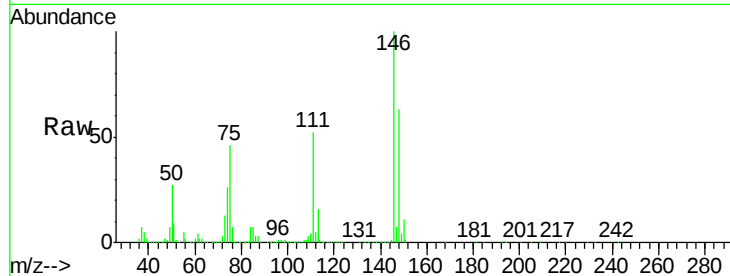




#77
 1,2-Dichlorobenzene
 Concen: 7.038 ppbv
 RT: 18.09 min Scan# 5287
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

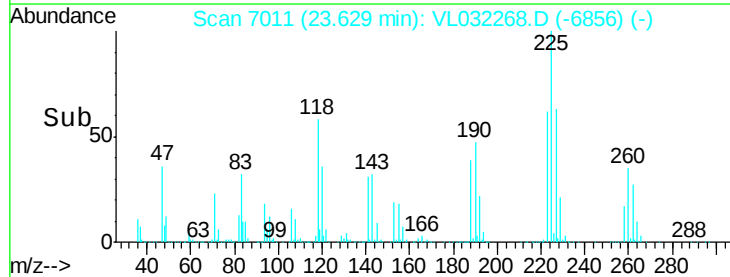
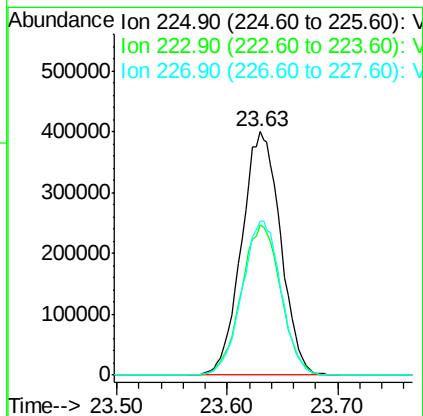
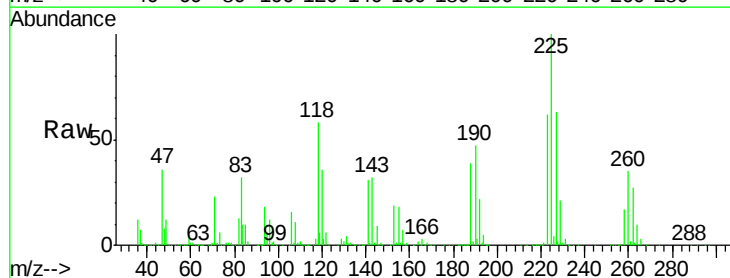
Instrument :
 MSVOA_L
 ClientSampleId :

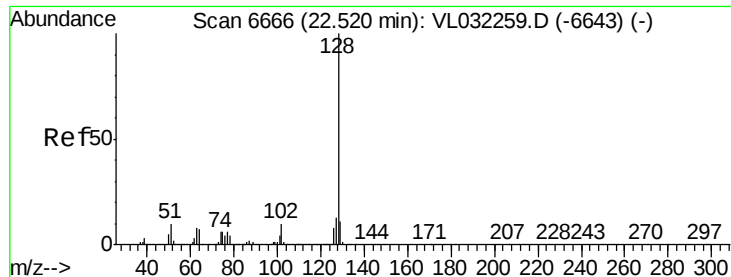
Tot Ion:146 Resp: 2952792
 Ion Ratio Lower Upper
 146 100
 111 51.2 25.6 76.8
 148 63.7 31.9 95.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.180 ppbv
 RT: 23.63 min Scan# 7011
 Delta R.T. -0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Tgt Ion:225 Resp: 976499
 Ion Ratio Lower Upper
 225 100
 223 62.8 50.6 75.8
 227 63.2 51.5 77.3





#79

Naphthalene

Concen: 7.988 ppbv

RT: 22.52 min Scan# 6667

Delta R.T. 0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

Instrument :

MSVOA_L

ClientSampled :

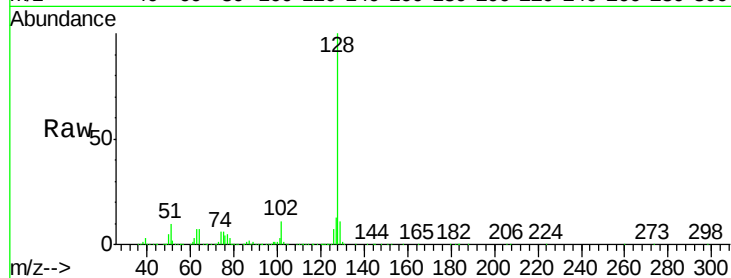
Tot Ion:128 Resp: 5239190

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

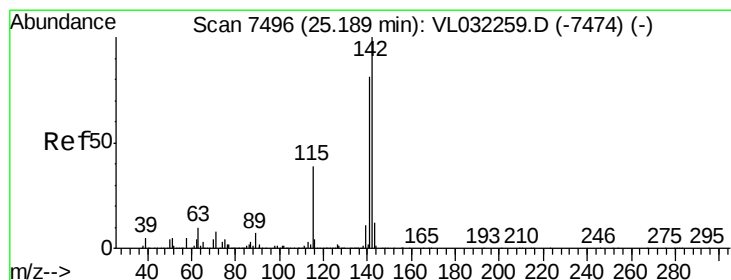
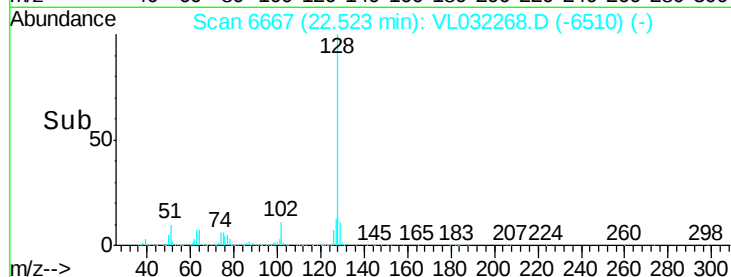
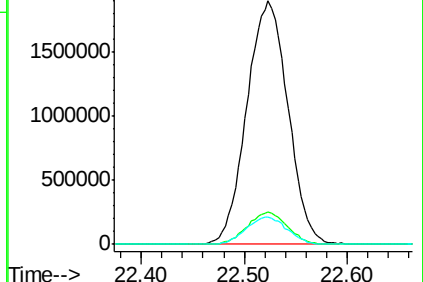
129 11.3 8.6 12.8



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: 9.235 ppbv

RT: 25.19 min Scan# 7495

Delta R.T. -0.00 min

Lab File: VL032268.D

Acq: 18 Jul 2018 19:47

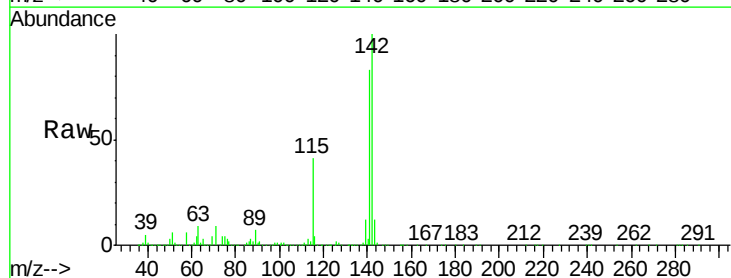
Tgt Ion:142 Resp: 2573060

Ion Ratio Lower Upper

142 100

141 83.4 67.1 100.7

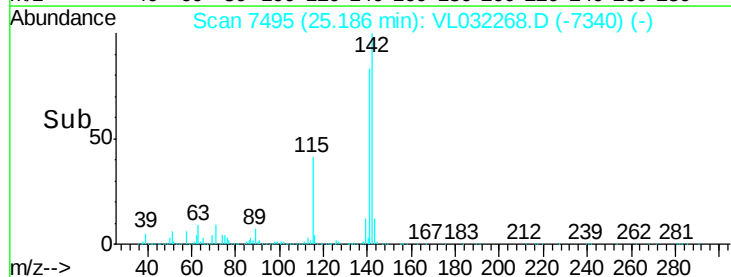
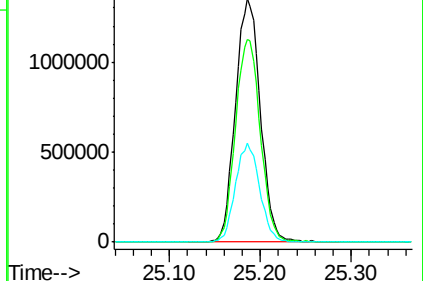
115 39.5 32.5 48.7

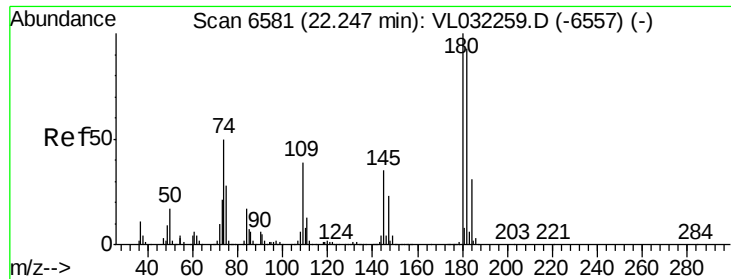


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.654 ppbv
 RT: 22.25 min Scan# 6581
 Delta R.T. 0.00 min
 Lab File: VL032268.D
 Acq: 18 Jul 2018 19:47

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2447981
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.6 114.8
 184 30.2 24.4 36.6

