

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071918\
 Data File : VL032292.D
 Acq On : 19 Jul 2018 17:33
 Operator : SY/AP
 Sample : VL0719ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 20 02:09:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	1570997	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3344341	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4336392	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3199727	9.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.13	85	1642732	6.150	ppbv 100
3) Chlorodifluoromethane	3.06	51	1776064	10.074	ppbv 98
4) Chloromethane	3.22	50	1070789	10.315	ppbv 97
5) Vinyl Chloride	3.34	62	1009081	10.254	ppbv 99
6) Bromomethane	3.57	94	539439	10.056	ppbv 97
7) Chloroethane	3.66	64	350105	10.033	ppbv 96
8) Dichlorotetrafluoroethane	3.27	85	2077321	9.528	ppbv 99
9) Propene	3.09	41	846920	10.991	ppbv 100
10) Heptane	8.33	43	2405024	9.822	ppbv 100
11) Trichlorofluoromethane	4.06	101	2014440	9.645	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.62	101	1318461	9.899	ppbv 98
13) Ethanol	3.71	45	222362	10.100	ppbv 96
14) Bromoethene	3.85	108	602456	10.033	ppbv 98
15) Acetone	3.96	43	1571992	9.561	ppbv 100
16) 1,3-Butadiene	3.42	39	893262	10.665	ppbv 99
17) tert-Butyl alcohol	4.42	59	550371	10.614	ppbv 100
18) 1,1-Dichloroethene	4.42	96	630425	10.134	ppbv 99
19) Isopropyl Alcohol	4.09	45	1213177	10.909	ppbv 99
20) Methylene Chloride	4.48	84	568407	8.979	ppbv 95
21) Allyl Chloride	4.54	41	1146017	10.582	ppbv 98
22) trans-1,2-Dichloroethene	5.04	96	657499	10.180	ppbv 99
23) Vinyl Acetate	5.22	43	3188447	10.813	ppbv 99
24) 1,1-Dichloroethane	5.16	63	2147873	10.041	ppbv 99
25) Ethyl Acetate	5.84	43	3699367	10.329	ppbv 99
26) Hexane	5.86	57	1674684	10.182	ppbv 99
27) Carbon Disulfide	4.69	76	1656354	11.372	ppbv 100
28) Methyl tert-Butyl Ether	5.18	73	2520037	10.334	ppbv 99
29) Chloroform	5.93	83	2411743	9.945	ppbv 98
30) Cyclohexane	7.33	84	1415273	10.255	ppbv 99
31) cis-1,2-Dichloroethene	5.72	61	1697107	10.762	ppbv 98
32) 1,1,1-Trichloroethane	6.70	97	2372968	9.672	ppbv 99
34) 2-Butanone	5.40	43	2588262	11.279	ppbv 99
35) Carbon Tetrachloride	7.22	117	2347770	10.207	ppbv 98
36) Benzene	7.09	78	3588101	10.899	ppbv 99
37) 1,2-Dichloroethane	6.49	62	1842933	9.477	ppbv 100
38) Trichloroethene	8.04	130	1141047	10.477	ppbv 98
39) 1,2-Dichloropropane	7.82	63	1450306	11.128	ppbv 98
40) 1,4-Dioxane	8.04	88	457771	11.892	ppbv # 16
41) Tetrahydrofuran	6.22	42	1514192	11.311	ppbv 99
42) Bromodichloromethane	8.00	83	2646036	10.807	ppbv 98
43) Methyl Methacrylate	8.22	69	1461417	10.832	ppbv 98

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 18 14:38:53 2018
 QLast Update : Wed Jul 18 14:38:53 2018
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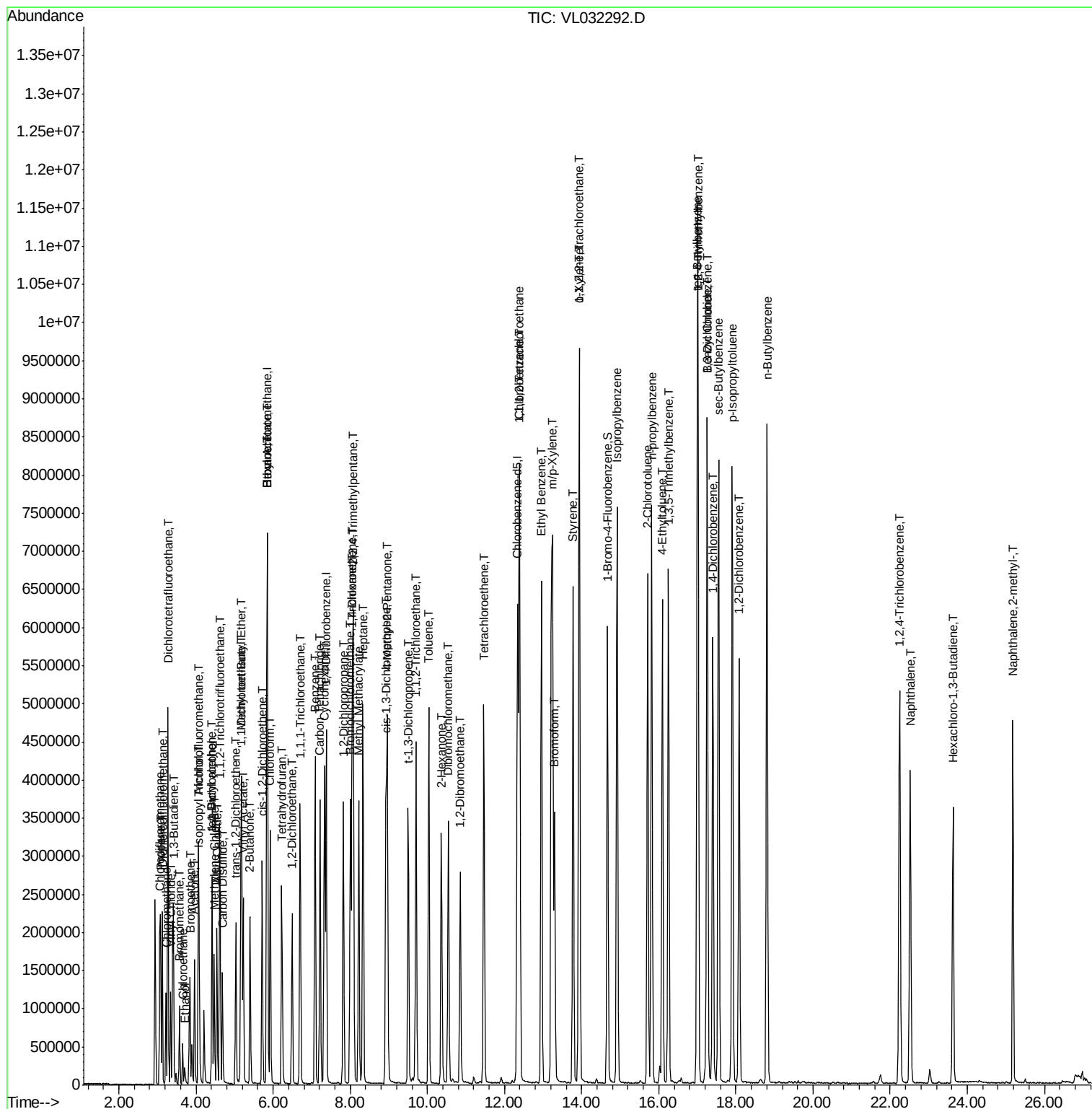
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	6106918	10.644	ppbv	100
45) t-1,3-Dichloropropene	9.50	75	2222655	13.981	ppbv	96
46) cis-1,3-Dichloropropene	8.92	75	2321202	11.448	ppbv	99
47) 1,1,2-Trichloroethane	9.70	97	1624037	11.531	ppbv	97
48) Dibromochloromethane	10.54	129	2260756	11.006	ppbv	99
49) Bromoform	13.30	173	2060958	11.497	ppbv	99
50) 4-Methyl-2-Pentanone	8.96	43	4099628	10.856	ppbv	99
51) 2-Hexanone	10.36	43	3248966	11.286	ppbv #	99
52) Tetrachloroethene	11.46	164	1229321	10.934	ppbv	97
53) Toluene	10.04	91	4018729	10.070	ppbv	100
54) 1,2-Dibromoethane	10.85	107	2417053	11.633	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.37	131	1828523	9.468	ppbv	98
57) Chlorobenzene	12.40	112	3377952	9.496	ppbv	97
58) Ethyl Benzene	12.96	91	6226430	10.190	ppbv	99
59) m/p-Xylene	13.24	91	5552354	10.651	ppbv #	44
60) o-Xylene	13.94	91	4827575	9.299	ppbv	99
61) Styrene	13.78	104	3932352	10.200	ppbv	99
62) Isopropylbenzene	14.92	105	6870947	9.232	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.93	83	3609534	8.154	ppbv	99
64) n-propylbenzene	15.82	120	1782611	9.328	ppbv	97
65) tert-Butylbenzene	17.00	119	5603219	8.836	ppbv	99
66) Benzyl Chloride	17.25	91	3708885	10.388	ppbv	100
67) sec-Butylbenzene	17.55	105	8453201	8.935	ppbv	100
69) p-Isopropyltoluene	17.91	119	6724526	9.201	ppbv	99
70) n-Butylbenzene	18.81	91	7619880	9.346	ppbv	100
71) 2-Chlorotoluene	15.71	91	5471465	9.172	ppbv	99
72) 4-Ethyltoluene	16.09	105	5735159	9.563	ppbv	100
73) 1,3,5-Trimethylbenzene	16.25	105	5423191	9.248	ppbv	99
74) 1,2,4-Trimethylbenzene	17.02	105	5340289	8.699	ppbv	97
75) 1,3-Dichlorobenzene	17.26	146	2938132	8.614	ppbv	99
76) 1,4-Dichlorobenzene	17.40	146	3002138	8.873	ppbv	100
77) 1,2-Dichlorobenzene	18.08	146	2911667	8.830	ppbv	99
78) Hexachloro-1,3-Butadiene	23.63	225	898009	8.401	ppbv	99
79) Naphthalene	22.52	128	5156785	10.003	ppbv	99
80) Naphthalene, 2-methyl-	25.18	142	2502733	11.428	ppbv	98
81) 1,2,4-Trichlorobenzene	22.25	180	2433463	9.681	ppbv	99

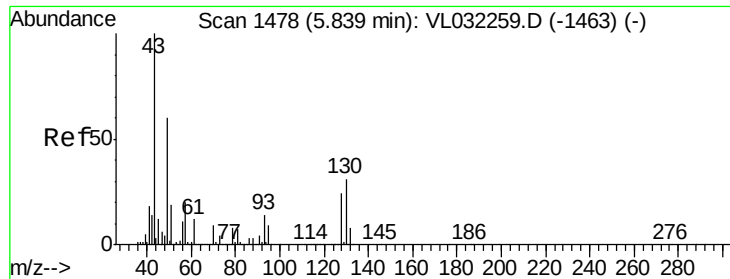
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL071918\  
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Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 20 02:09:20 2018
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampleId :

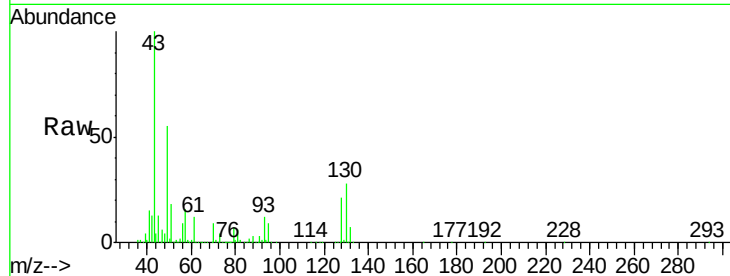
Tot Ion: 49 Resp: 1570997

Ion Ratio Lower Upper

49 100

128 39.7 20.1 60.2

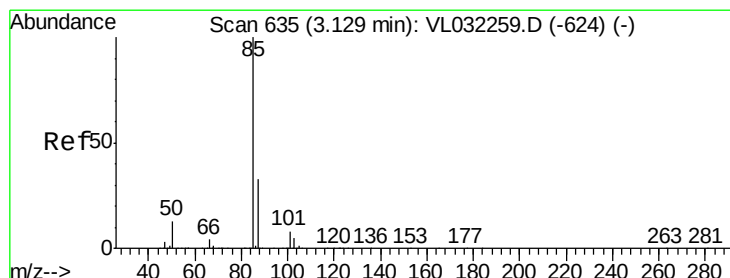
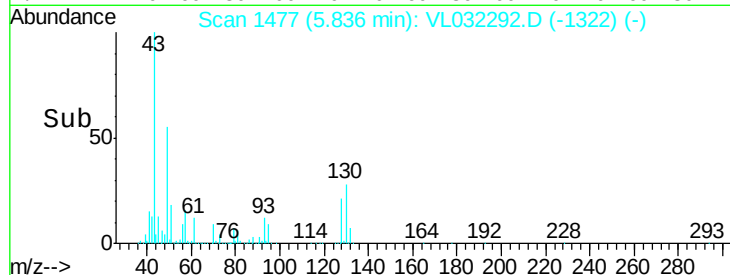
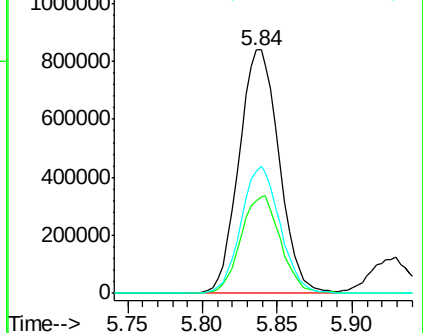
130 50.7 25.9 77.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 6.150 ppbv

RT: 3.13 min Scan# 634

Delta R.T. -0.00 min

Lab File: VL032292.D

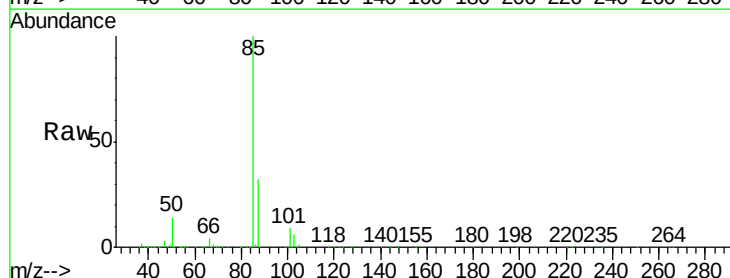
Acq: 19 Jul 2018 17:33

Tgt Ion: 85 Resp: 1642732

Ion Ratio Lower Upper

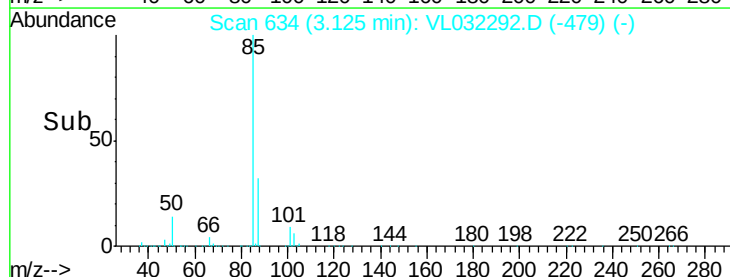
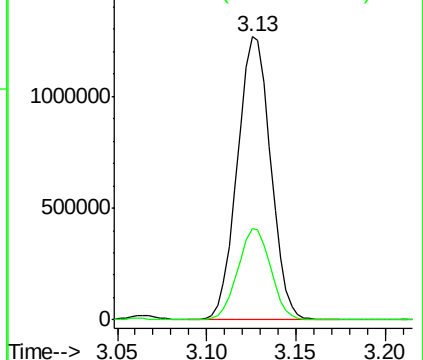
85 100

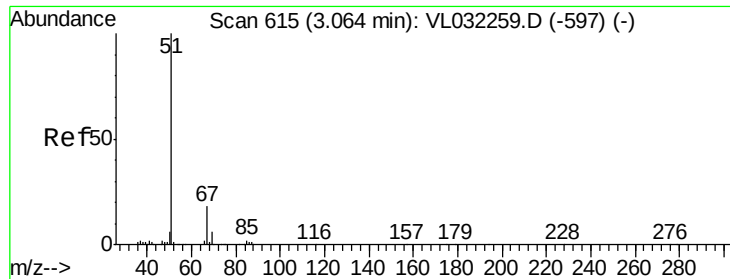
87 32.5 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.074 ppbv

RT: 3.06 min Scan# 615

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

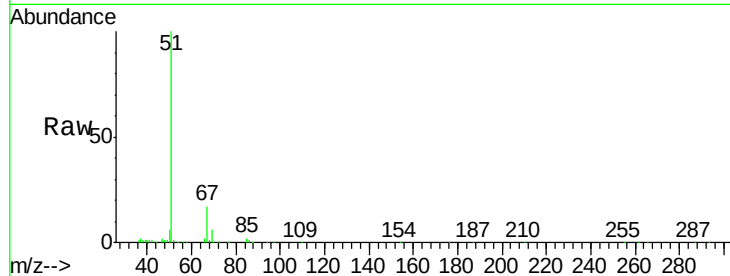
ClientSampleId :

Tot Ion: 51 Resp: 1776064

Ion Ratio Lower Upper

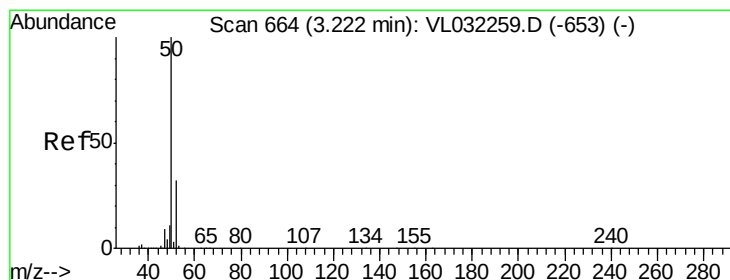
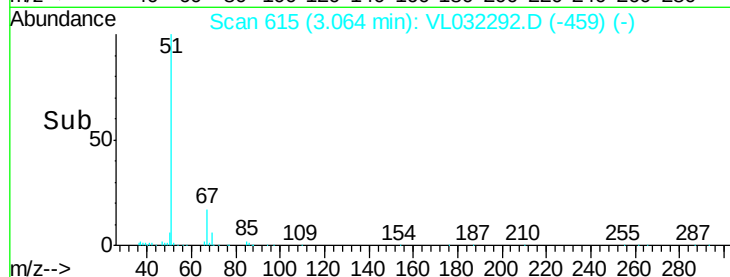
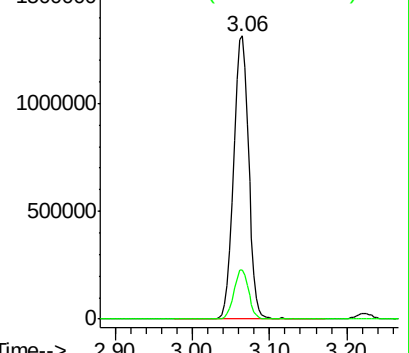
51 100

67 17.1 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: 10.315 ppbv

RT: 3.22 min Scan# 664

Delta R.T. 0.00 min

Lab File: VL032292.D

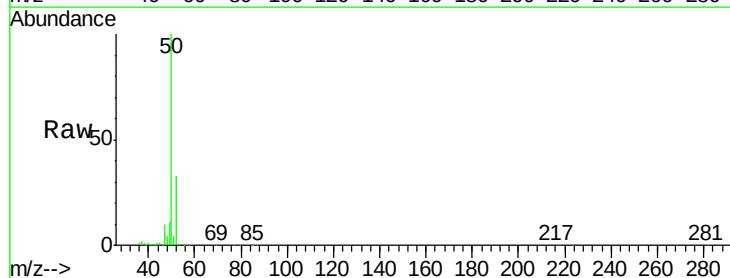
Acq: 19 Jul 2018 17:33

Tgt Ion: 50 Resp: 1070789

Ion Ratio Lower Upper

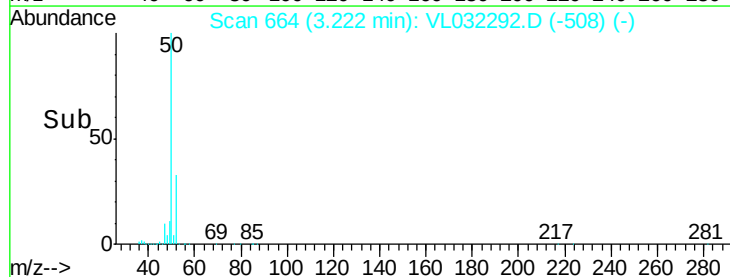
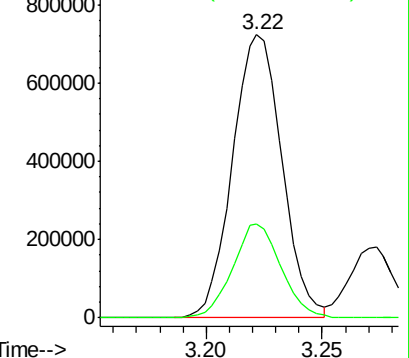
50 100

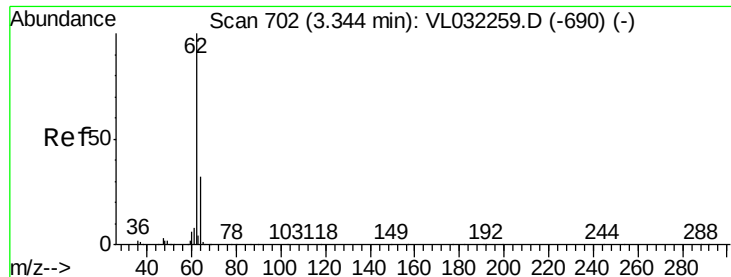
52 33.2 25.3 37.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.254 ppbv

RT: 3.34 min Scan# 702

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

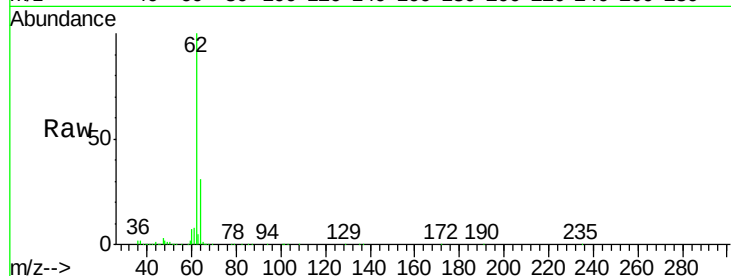
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 62 Resp: 1009081

Ion	Ratio	Lower	Upper
62	100		
64	31.0	25.3	37.9

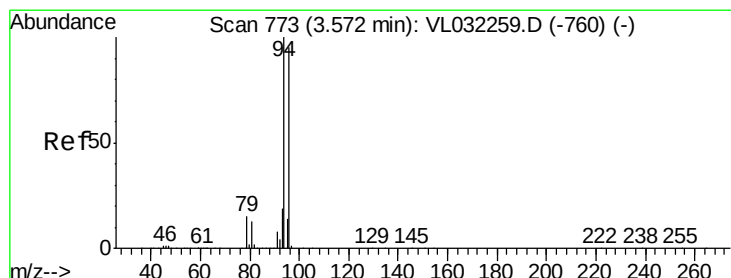
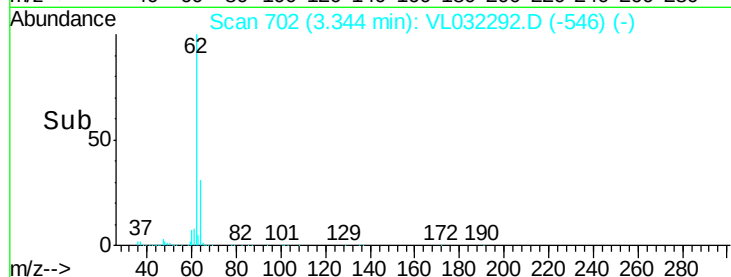


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.34

Time-->



#6

Bromomethane

Concen: 10.056 ppbv

RT: 3.57 min Scan# 772

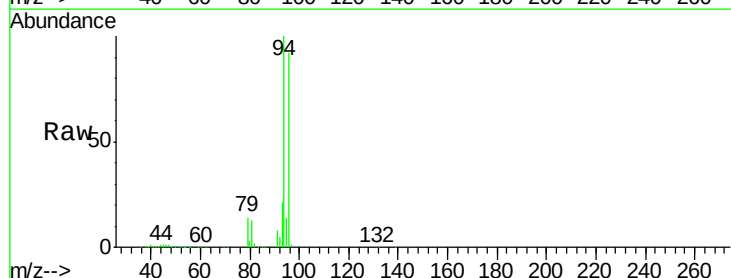
Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Tgt Ion: 94 Resp: 539439

Ion	Ratio	Lower	Upper
94	100		
96	92.3	76.1	114.1

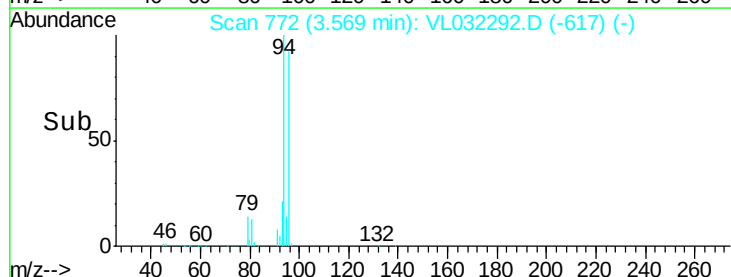


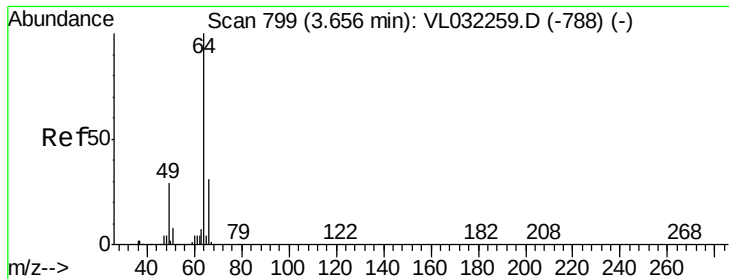
Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.57

Time-->





#7

Chloroethane

Concen: 10.033 ppbv

RT: 3.66 min Scan# 800

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

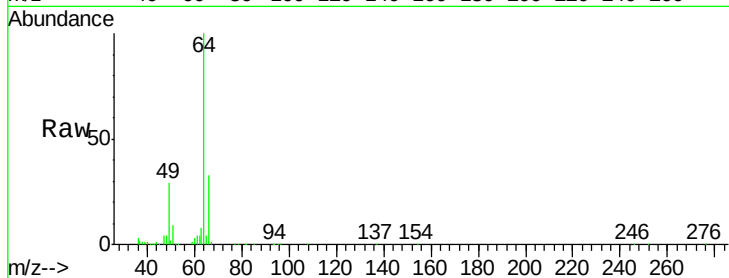
ClientSampleId :

Tot Ion: 64 Resp: 350105

Ion Ratio Lower Upper

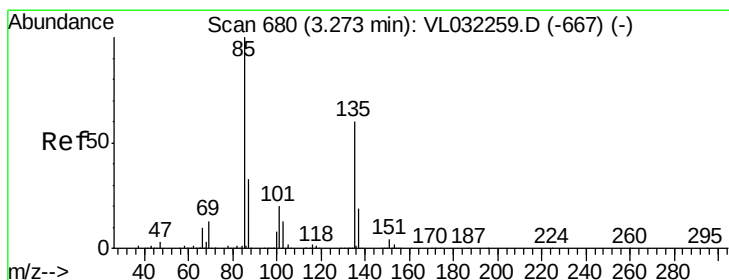
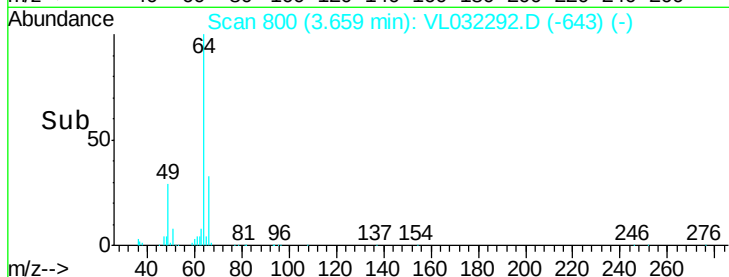
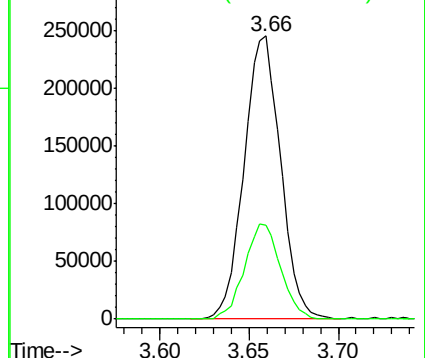
64 100

66 33.2 25.0 37.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.528 ppbv

RT: 3.27 min Scan# 680

Delta R.T. 0.00 min

Lab File: VL032292.D

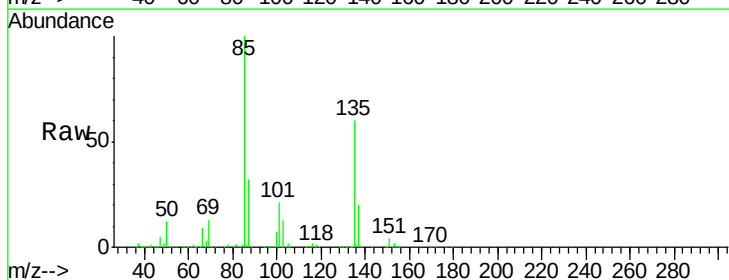
Acq: 19 Jul 2018 17:33

Tgt Ion: 85 Resp: 2077321

Ion Ratio Lower Upper

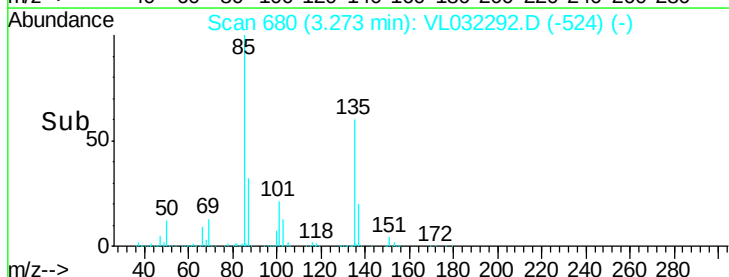
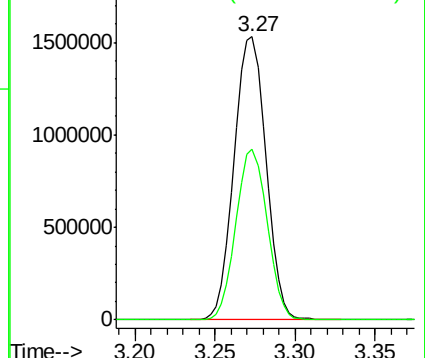
85 100

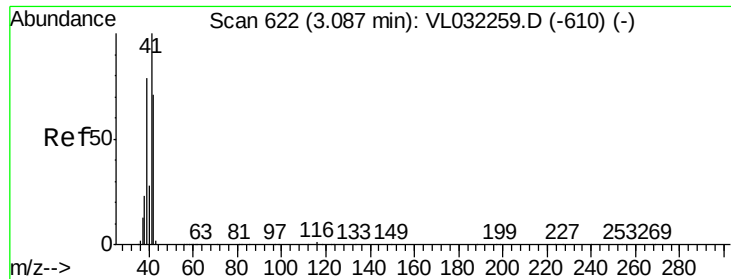
135 59.3 47.8 71.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.991 ppbv

RT: 3.09 min Scan# 622

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

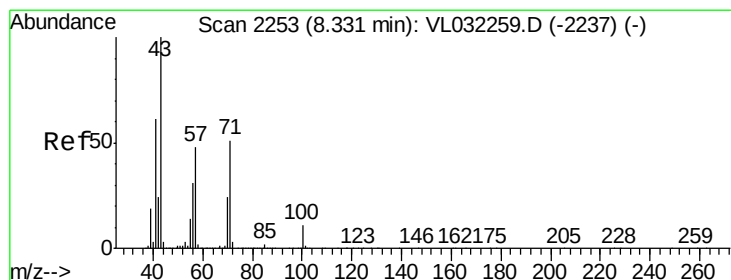
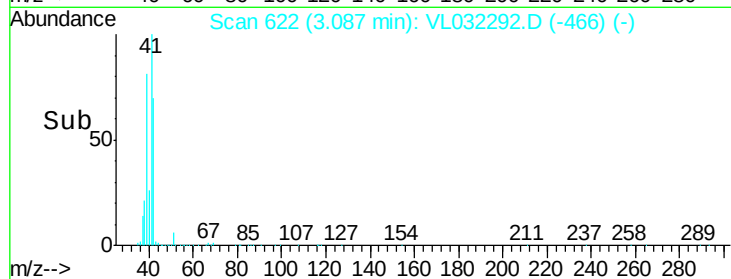
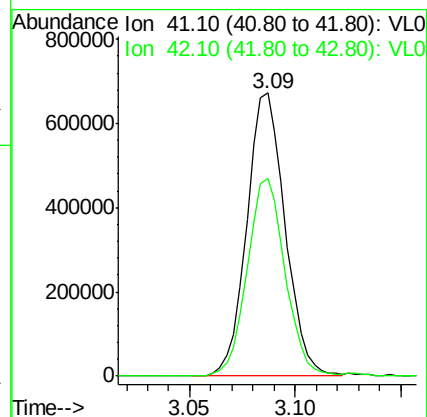
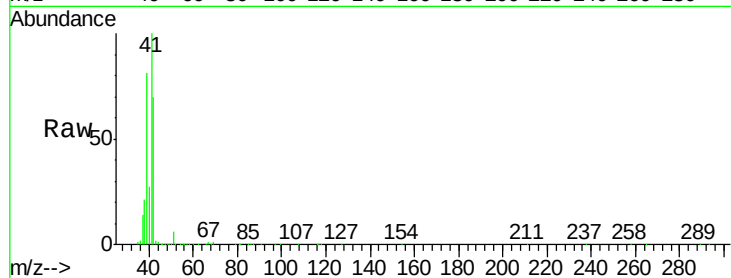
ClientSampleId :

Tot Ion: 41 Resp: 846920

Ion Ratio Lower Upper

41 100

42 70.0 56.2 84.4



#10

Heptane

Concen: 9.822 ppbv

RT: 8.33 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VL032292.D

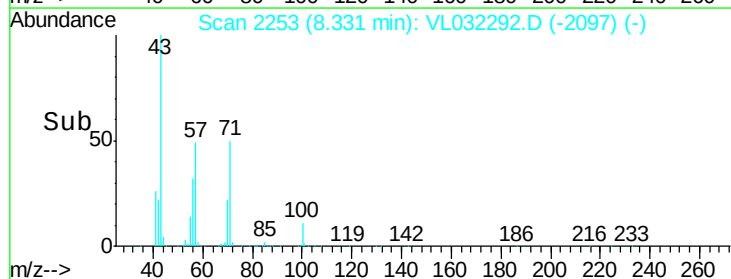
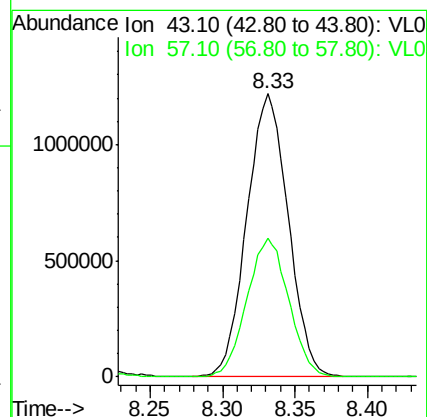
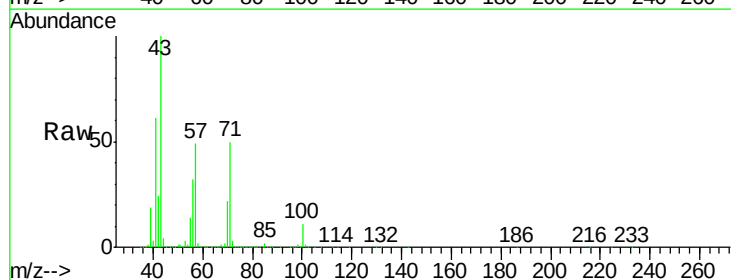
Acq: 19 Jul 2018 17:33

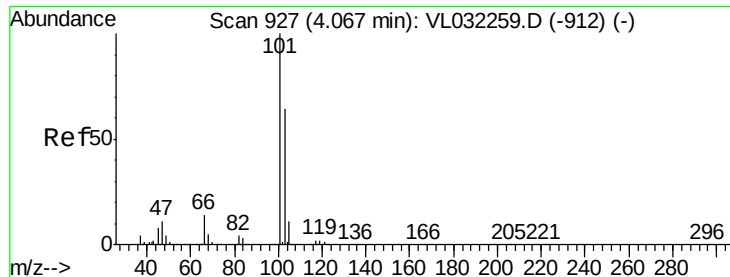
Tgt Ion: 43 Resp: 2405024

Ion Ratio Lower Upper

43 100

57 49.6 39.9 59.9

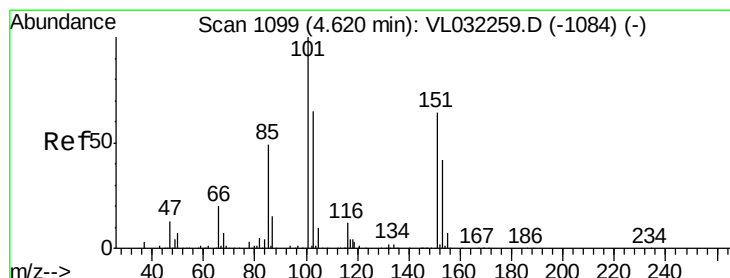
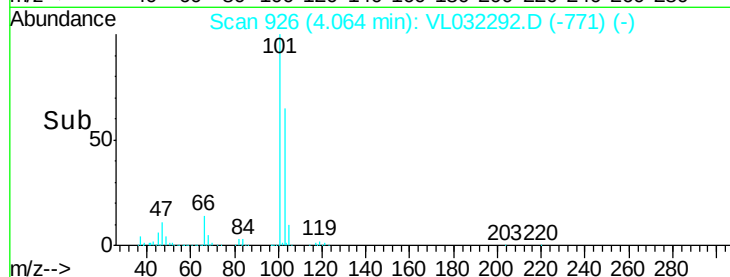
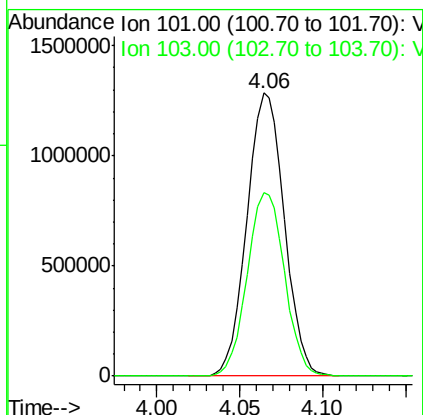
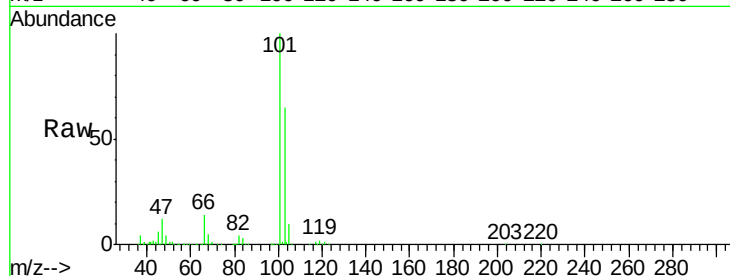




#11
 Trichlorofluoromethane
 Concen: 9.645 ppbv
 RT: 4.06 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

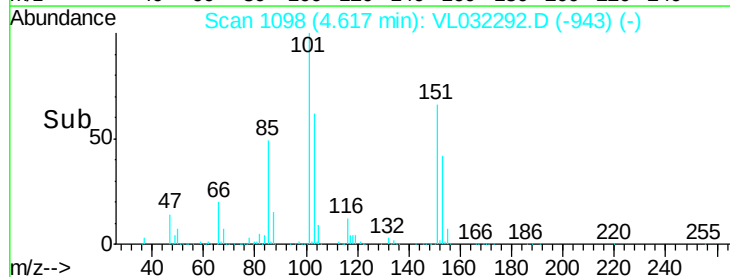
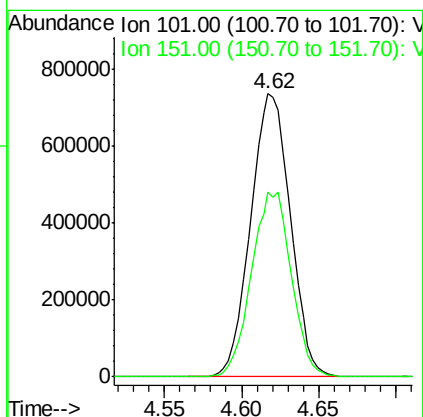
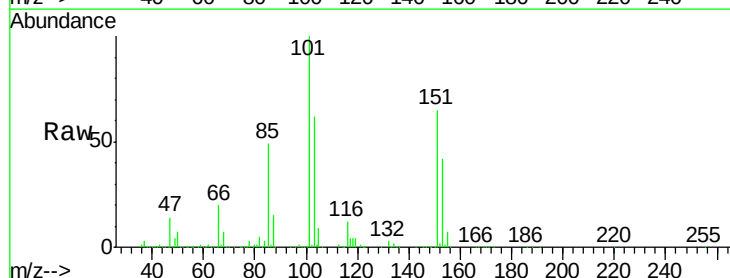
Instrument :
 MSVOA_L
 ClientSampleId :

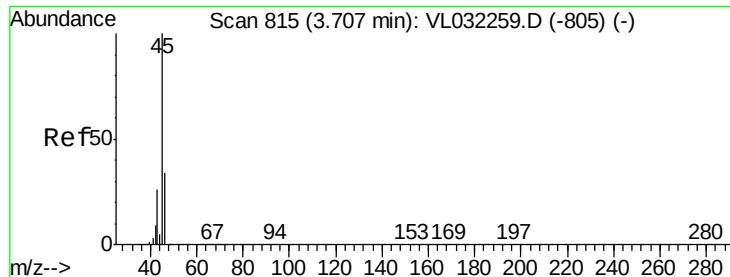
Tot Ion:101 Resp: 2014440
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.5 77.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.899 ppbv
 RT: 4.62 min Scan# 1098
 Delta R.T. -0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Tgt Ion:101 Resp: 1318461
 Ion Ratio Lower Upper
 101 100
 151 65.5 51.3 76.9





#13

Ethanol

Concen: 10.100 ppbv

RT: 3.71 min Scan# 815

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

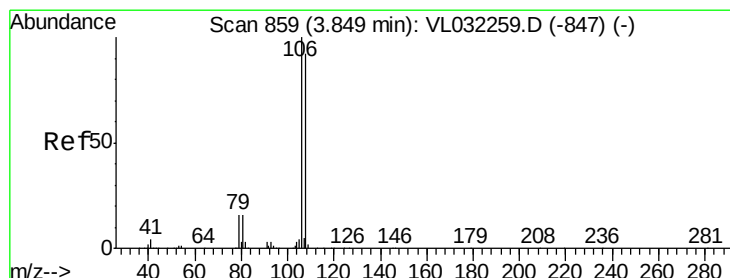
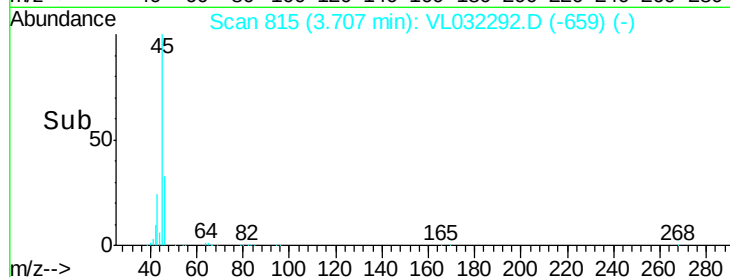
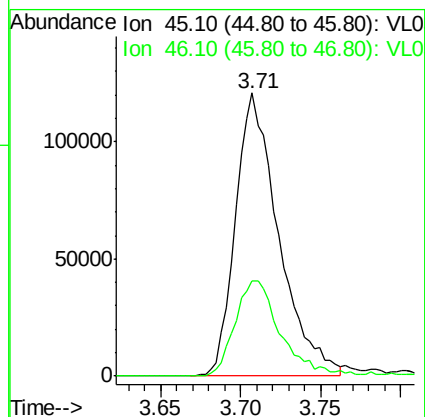
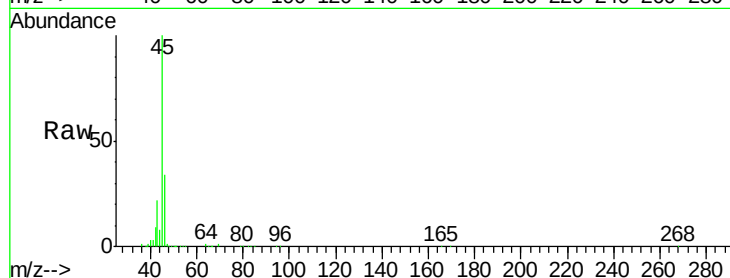
ClientSampleId :

Tot Ion: 45 Resp: 222362

Ion Ratio Lower Upper

45 100

46 35.7 15.2 60.8



#14

Bromoethene

Concen: 10.033 ppbv

RT: 3.85 min Scan# 858

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

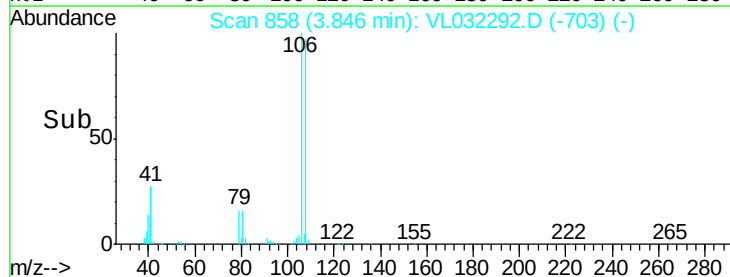
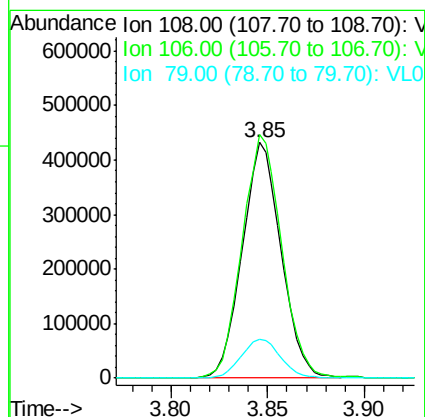
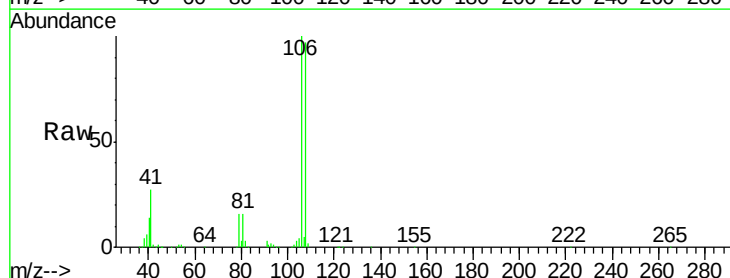
Tgt Ion: 108 Resp: 602456

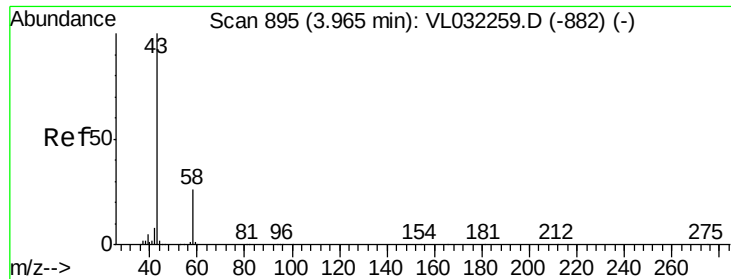
Ion Ratio Lower Upper

108 100

106 105.8 86.2 129.4

79 17.4 14.0 21.0





#15

Acetone

Concen: 9.561 ppbv

RT: 3.96 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

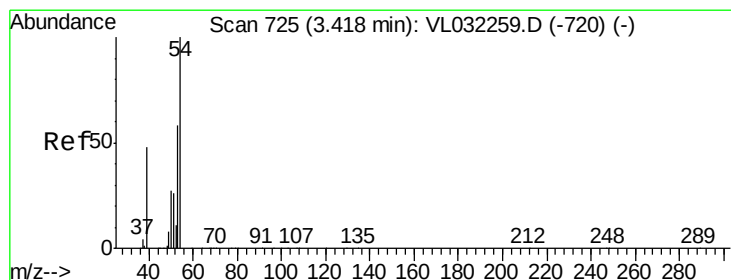
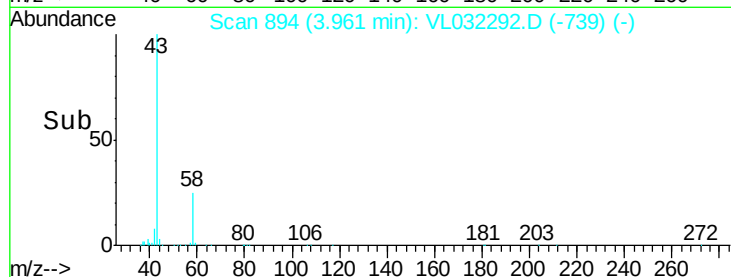
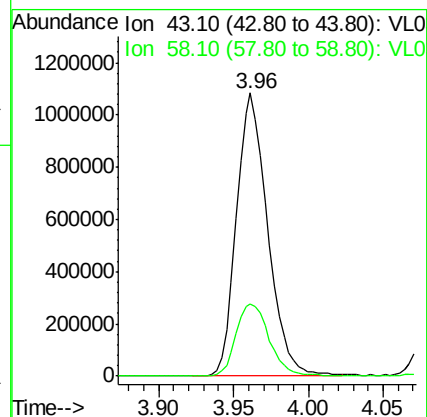
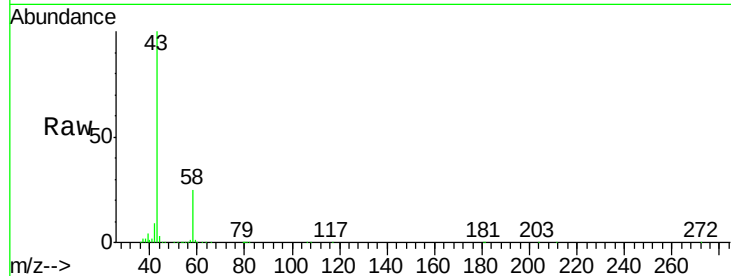
ClientSampleId :

Tot Ion: 43 Resp: 1571992

Ion Ratio Lower Upper

43 100

58 27.4 21.8 32.6



#16

1,3-Butadiene

Concen: 10.665 ppbv

RT: 3.42 min Scan# 725

Delta R.T. 0.00 min

Lab File: VL032292.D

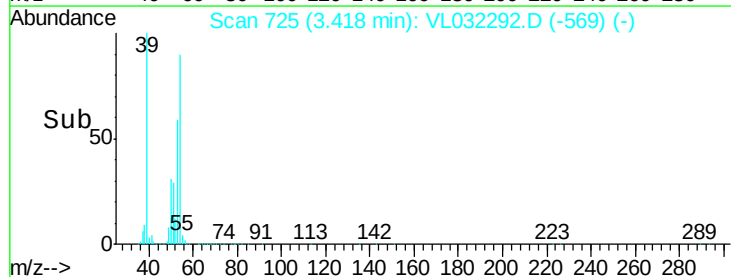
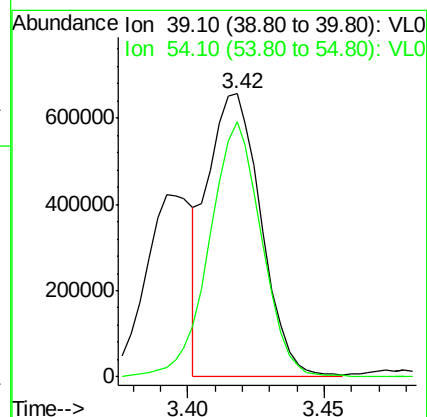
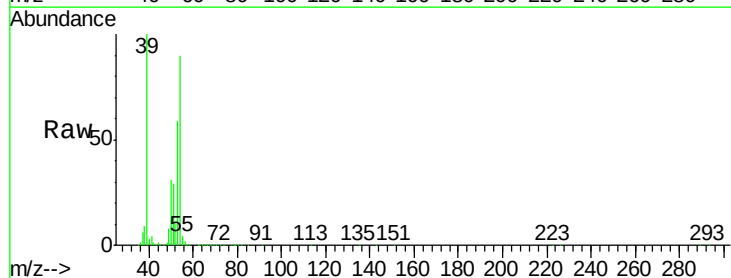
Acq: 19 Jul 2018 17:33

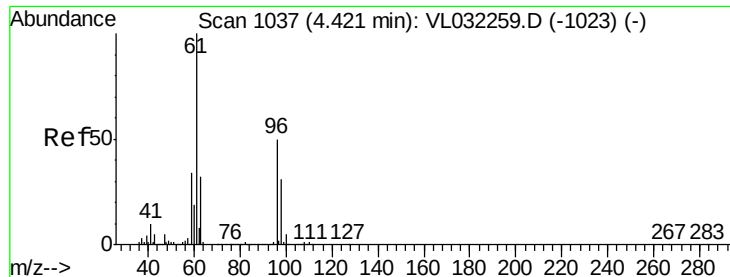
Tgt Ion: 39 Resp: 893262

Ion Ratio Lower Upper

39 100

54 88.9 70.6 105.8





#17

tert-Butyl alcohol

Concen: 10.614 ppbv

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

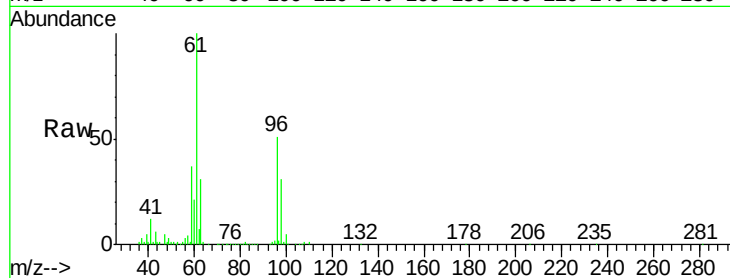
ClientSampleId :

Tot Ion: 59 Resp: 550371

Ion Ratio Lower Upper

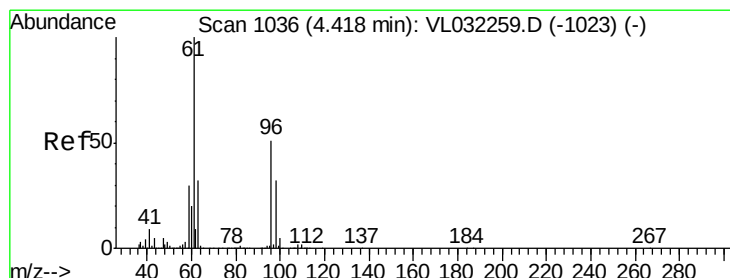
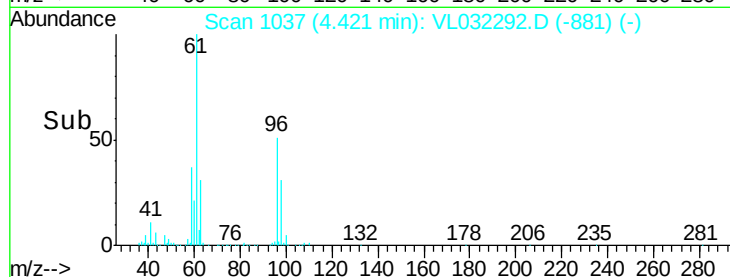
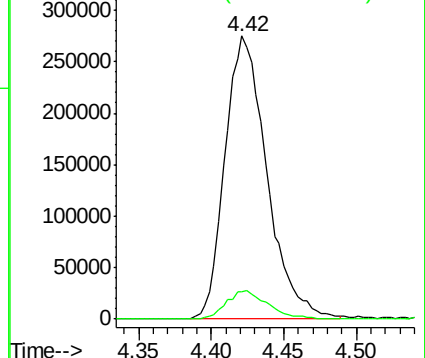
59 100

57 10.2 8.2 12.4



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 10.134 ppbv

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

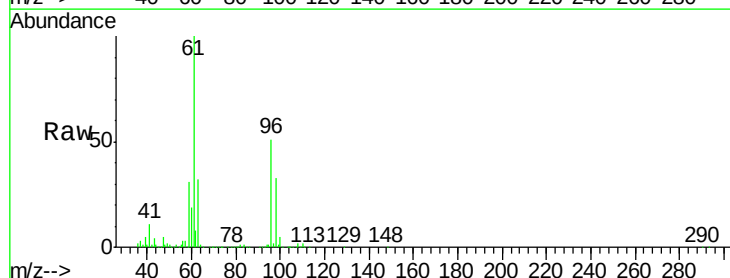
Tgt Ion: 96 Resp: 630425

Ion Ratio Lower Upper

96 100

61 197.0 157.2 235.8

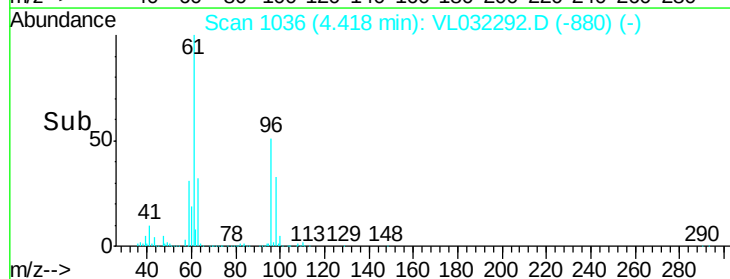
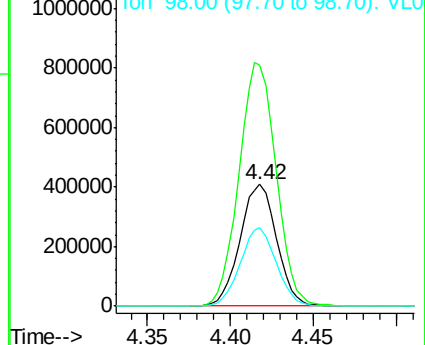
98 64.2 50.1 75.1

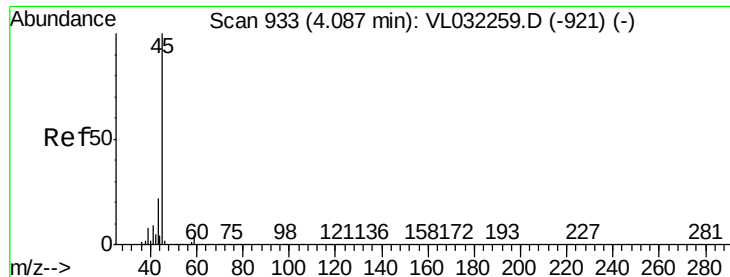


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 10.909 ppbv

RT: 4.09 min Scan# 933

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

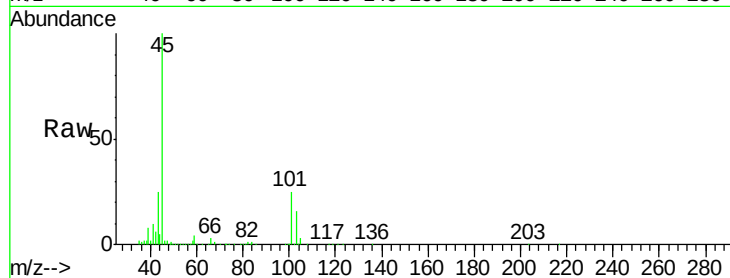
ClientSampleId :

Tot Ion: 45 Resp: 1213177

Ion Ratio Lower Upper

45 100

58 2.1 1.5 2.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.09

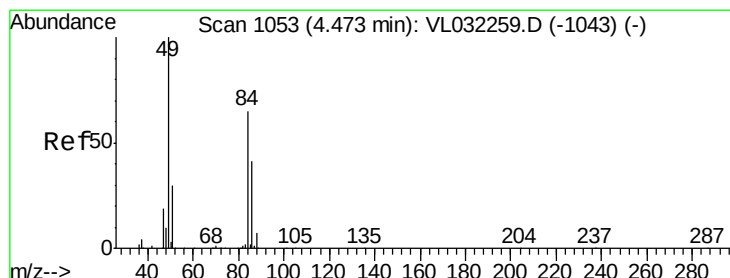
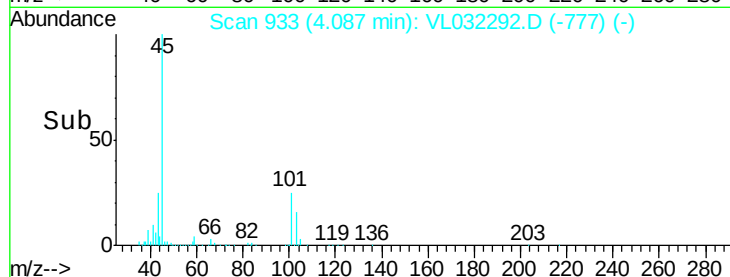
600000

400000

200000

0

Time--> 4.00 4.05 4.10 4.15



#20

Methylene Chloride

Concen: 8.979 ppbv

RT: 4.48 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Tgt Ion: 84 Resp: 568407

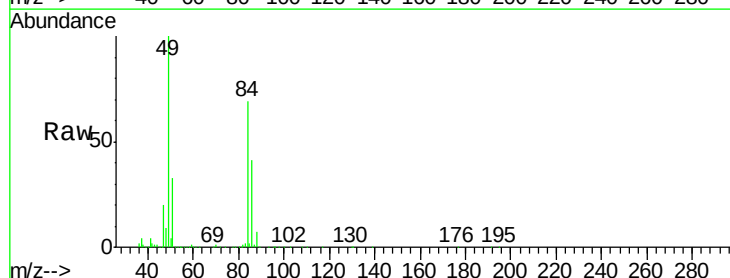
Ion Ratio Lower Upper

84 100

49 144.9 122.4 183.6

51 47.0 36.8 55.2

86 59.2 50.7 76.1



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

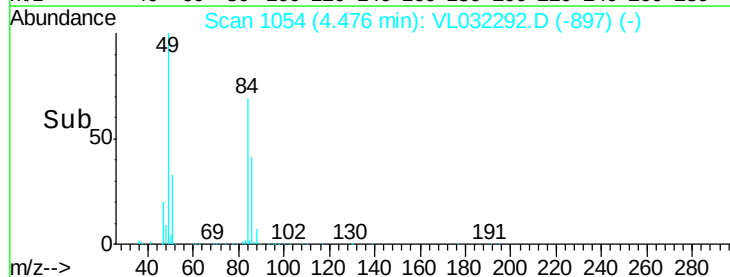
600000

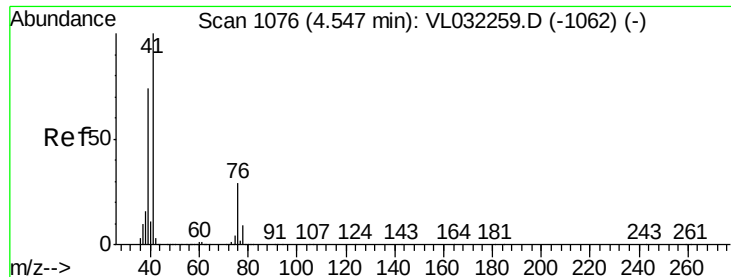
400000

200000

0

Time--> 4.45 4.50



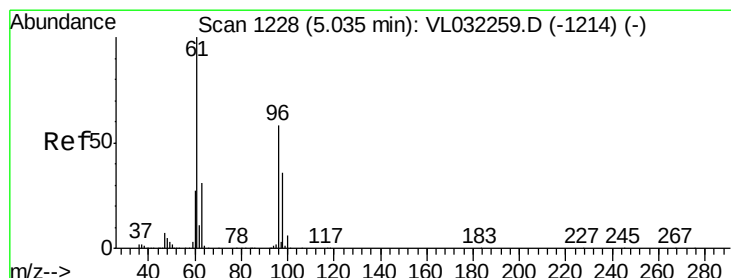
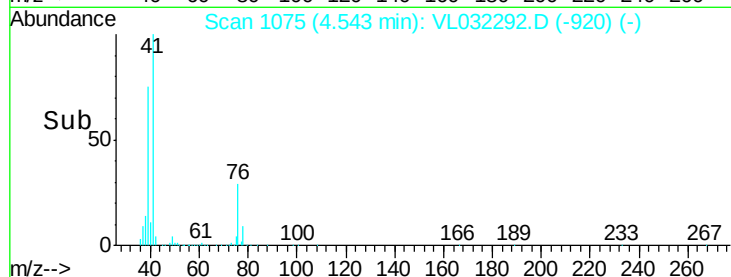
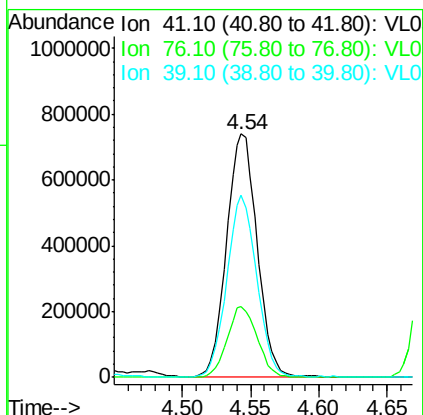
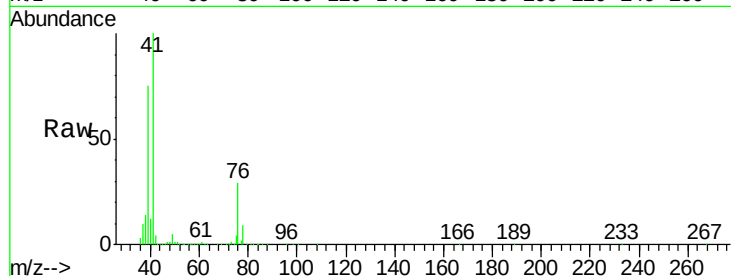


#21
 Allvl Chloride
 Concen: 10.582 ppbv
 RT: 4.54 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 41 Resp: 1146017

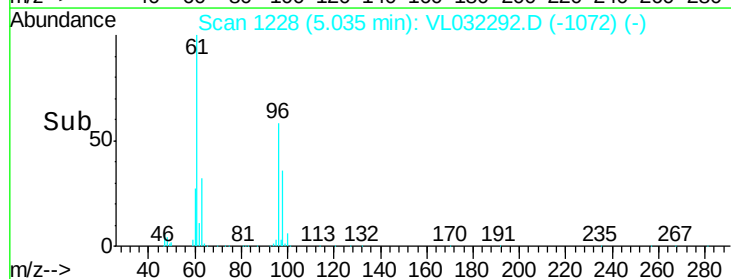
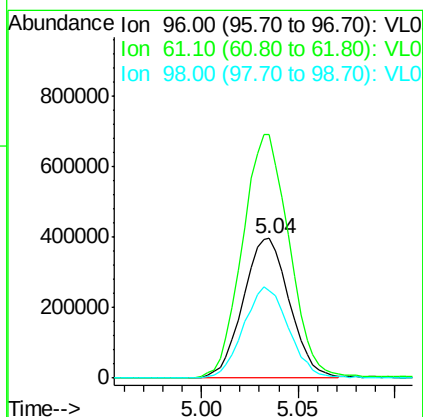
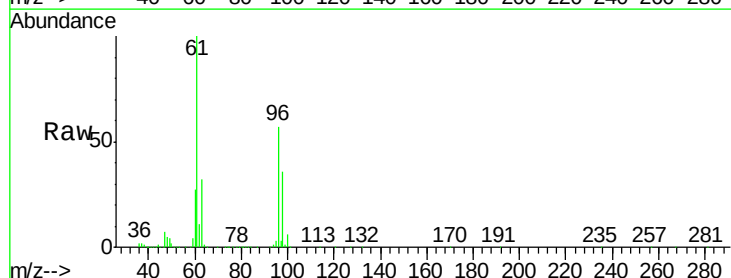
Ion	Ratio	Lower	Upper
41	100		
76	28.6	23.0	34.6
39	73.4	60.2	90.4

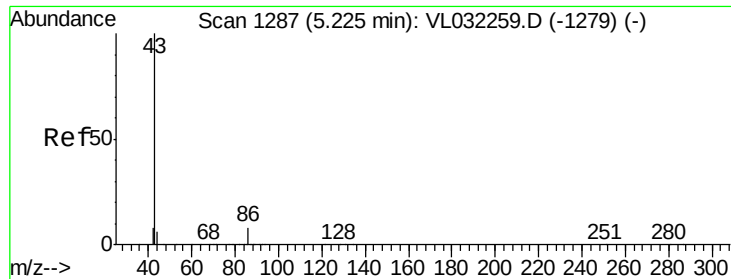


#22
 trans-1,2-Dichloroethene
 Concen: 10.180 ppbv
 RT: 5.04 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Tgt Ion: 96 Resp: 657499

Ion	Ratio	Lower	Upper
96	100		
61	174.0	137.4	206.0
98	62.4	49.6	74.4





#23

Vinyl Acetate

Concen: 10.813 ppbv

RT: 5.22 min Scan# 1287

Delta R.T. 0.00 min

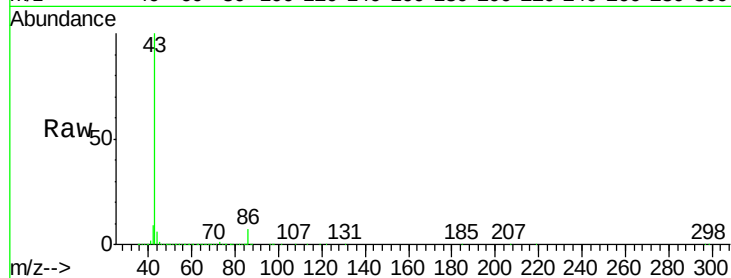
Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

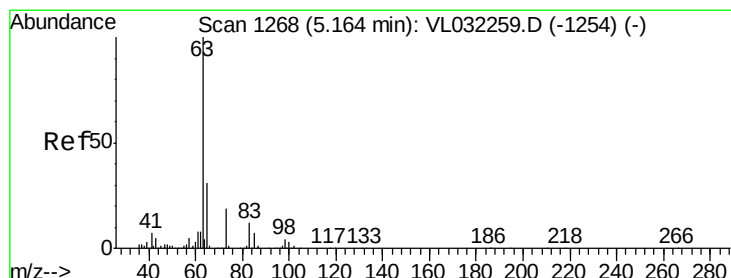
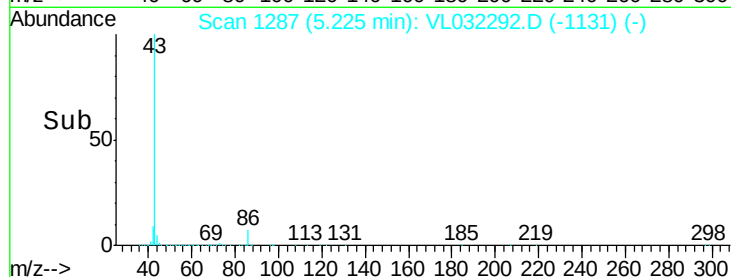
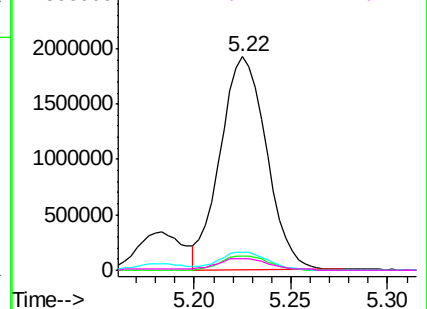
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3188447

Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.9	8.9
42	8.5	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: 10.041 ppbv

RT: 5.16 min Scan# 1267

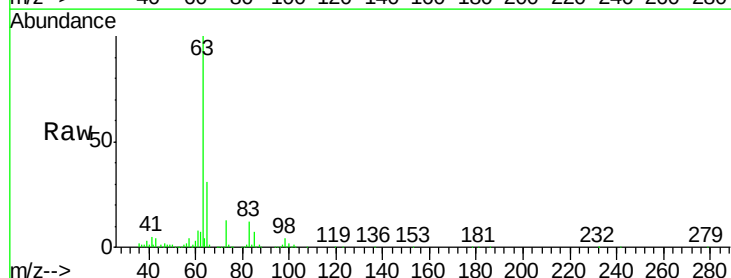
Delta R.T. -0.00 min

Lab File: VL032292.D

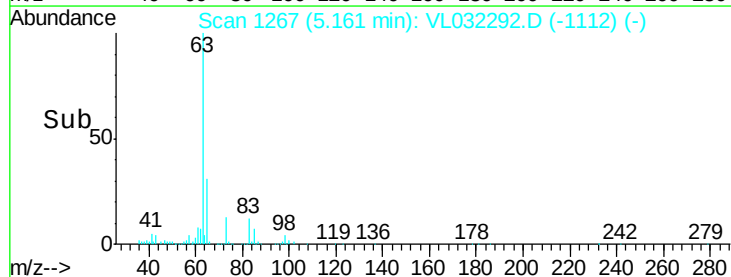
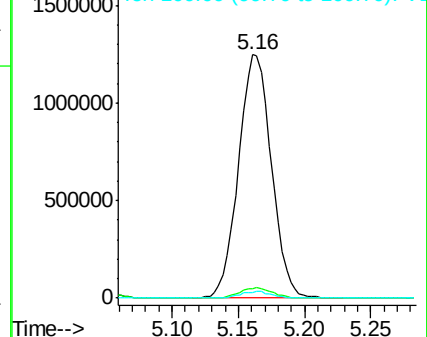
Acq: 19 Jul 2018 17:33

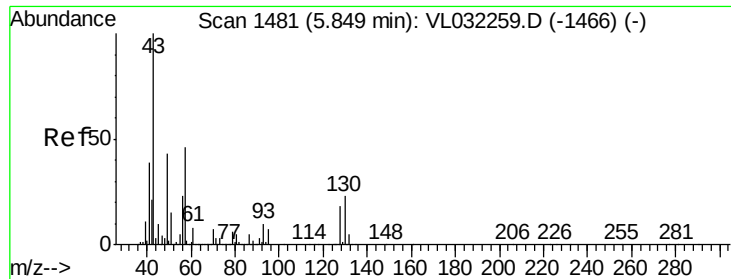
Tgt Ion: 63 Resp: 2147873

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.1	6.3
100	2.4	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



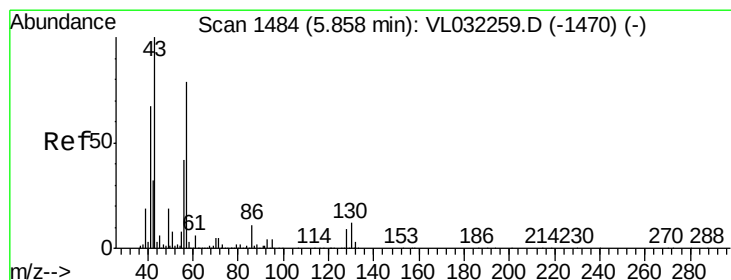
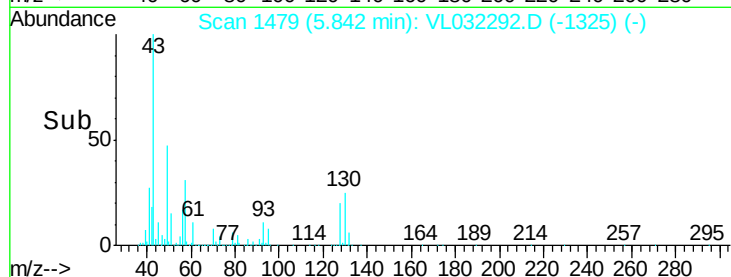
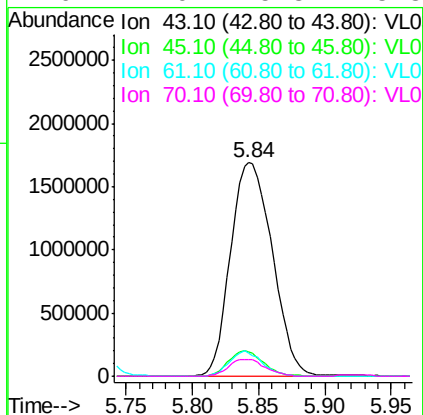
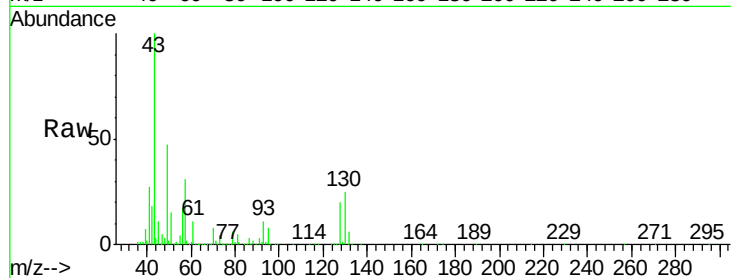


#25
Ethyl Acetate
Concen: 10.329 ppbv
RT: 5.84 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 43 Resp: 3699367

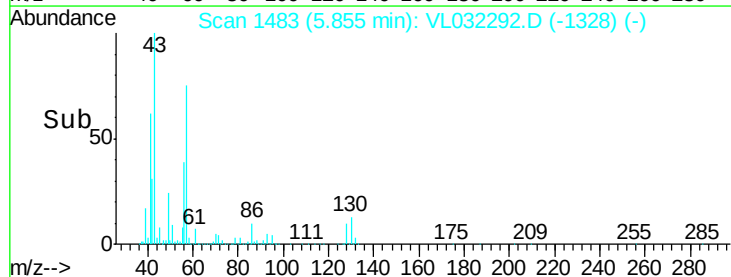
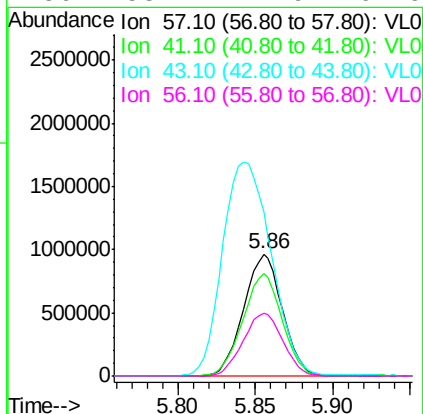
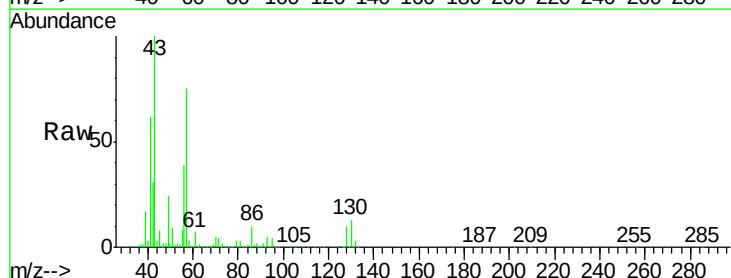
Ion	Ratio	Lower	Upper
43	100		
45	10.2	7.9	11.9
61	9.6	7.6	11.4
70	7.0	5.8	8.8

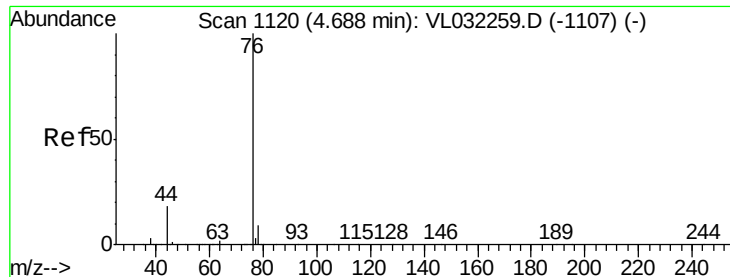


#26
Hexane
Concen: 10.182 ppbv
RT: 5.86 min Scan# 1483
Delta R.T. -0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Tgt Ion: 57 Resp: 1674684

Ion	Ratio	Lower	Upper
57	100		
41	85.6	67.9	101.9
43	221.8	175.9	263.9
56	53.4	41.9	62.9





#27

Carbon Disulfide

Concen: 11.372 ppbv

RT: 4.69 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampleId :

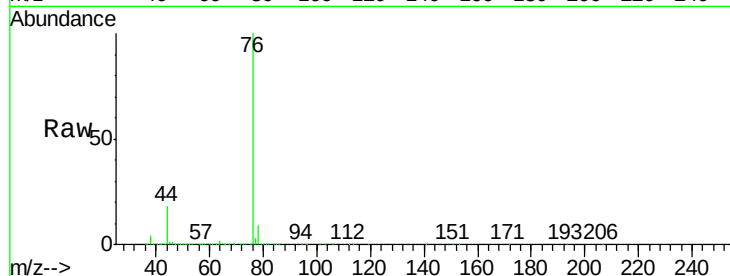
Tot Ion: 76 Resp: 1656354

Ion Ratio Lower Upper

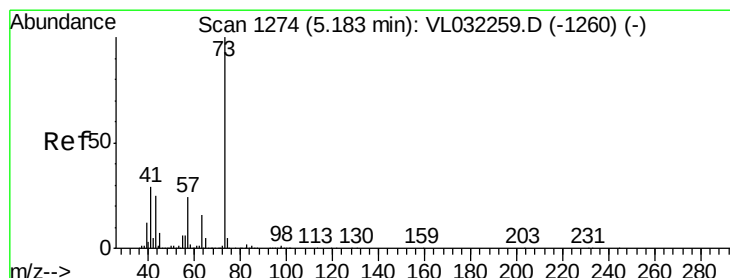
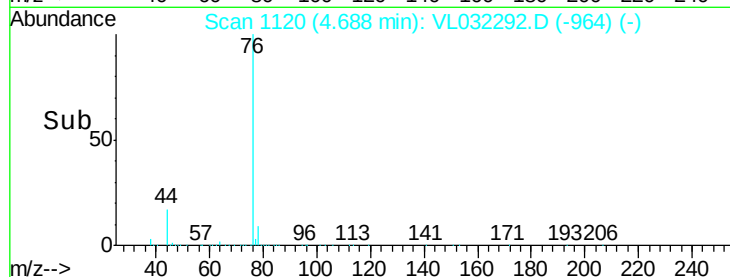
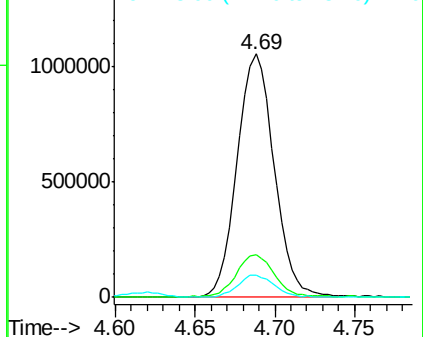
76 100

44 18.1 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: 10.334 ppbv

RT: 5.18 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VL032292.D

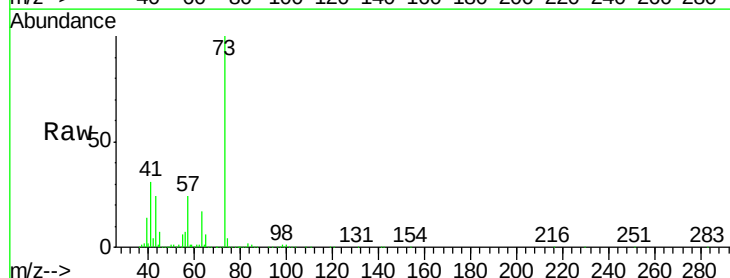
Acq: 19 Jul 2018 17:33

Tgt Ion: 73 Resp: 2520037

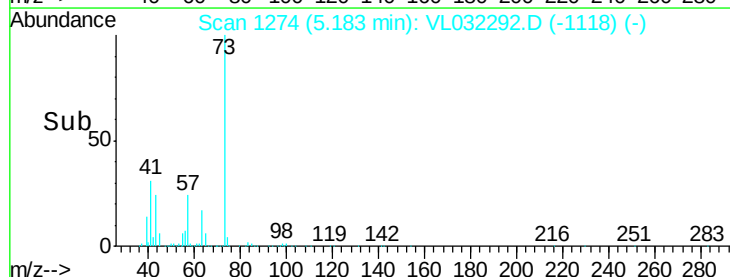
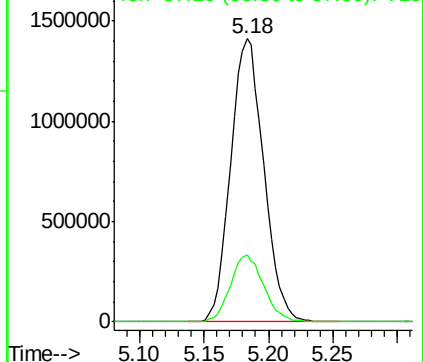
Ion Ratio Lower Upper

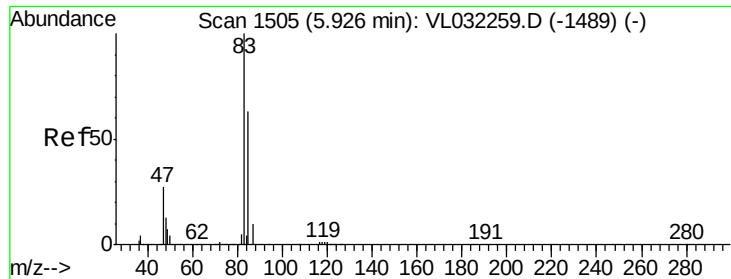
73 100

57 23.8 19.3 28.9



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

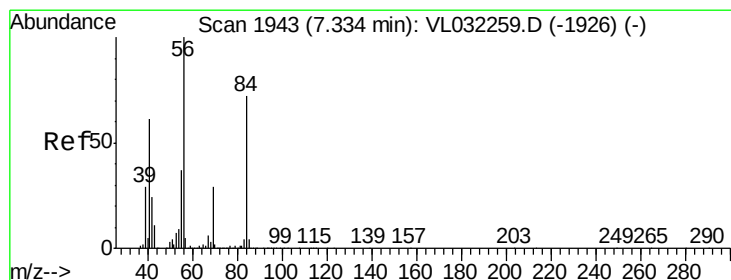
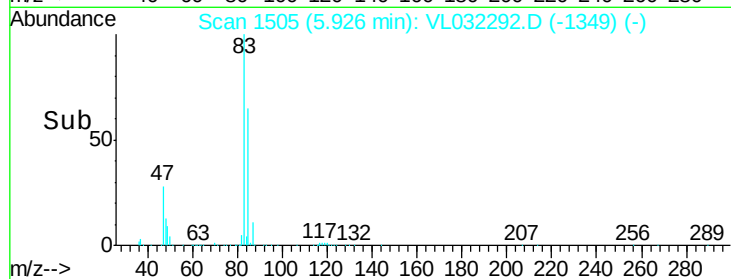
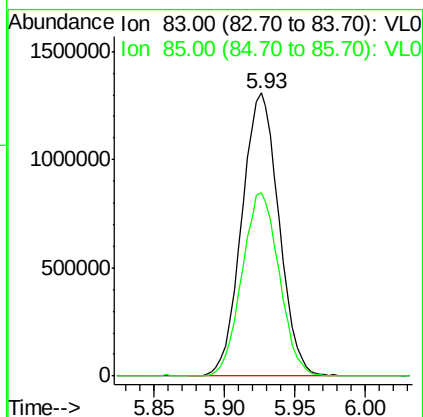
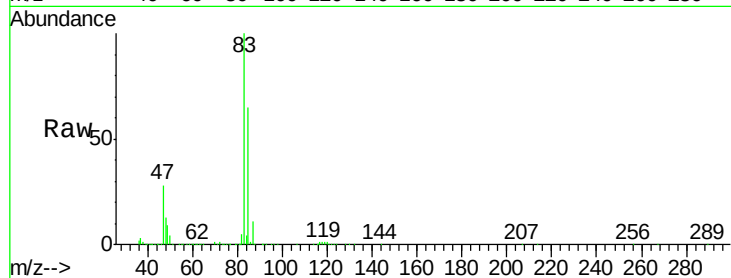




#29
Chloroform
Concen: 9.945 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. 0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

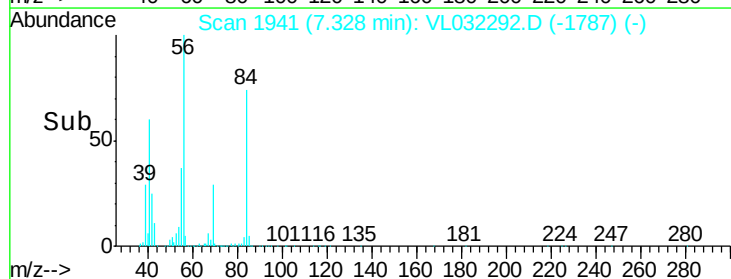
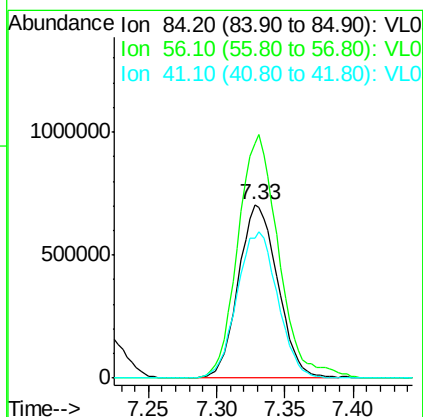
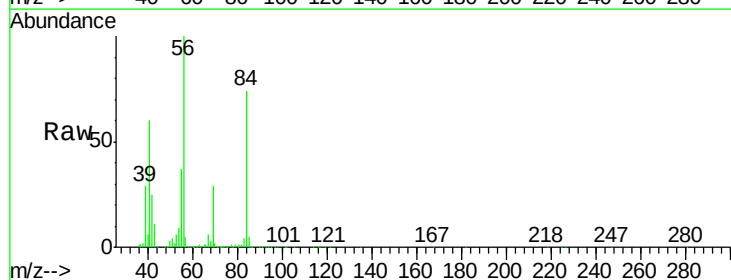
Instrument :
MSVOA_L
ClientSampleId :

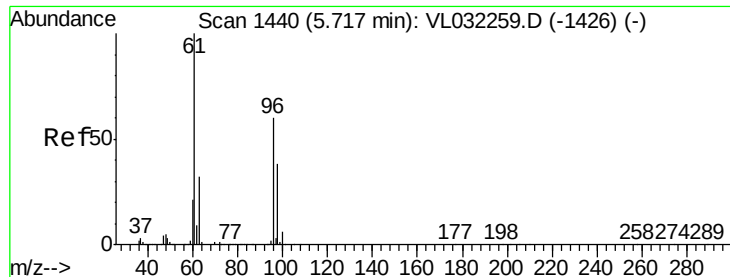
Tot Ion: 83 Resp: 2411743
Ion Ratio Lower Upper
83 100
85 64.8 50.7 76.1



#30
Cyclohexane
Concen: 10.255 ppbv
RT: 7.33 min Scan# 1941
Delta R.T. -0.01 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Tgt Ion: 84 Resp: 1415273
Ion Ratio Lower Upper
84 100
56 145.4 115.6 173.4
41 86.7 68.7 103.1





#31

cis-1,2-Dichloroethene

Concen: 10.762 ppbv

RT: 5.72 min Scan# 1440

Delta R.T. 0.00 min

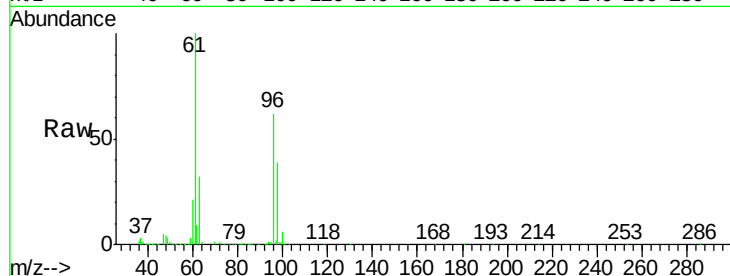
Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

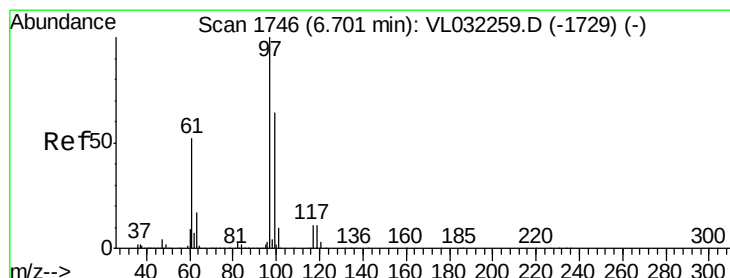
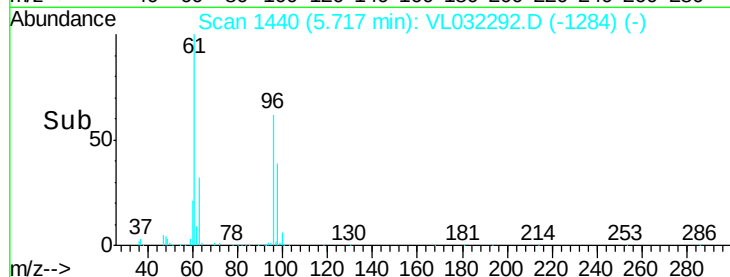
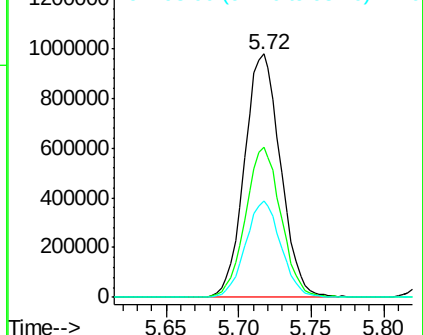
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 61 Resp: 1697107

Ion	Ratio	Lower	Upper
61	100		
96	61.6	47.9	71.9
98	39.3	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: 9.672 ppbv

RT: 6.70 min Scan# 1745

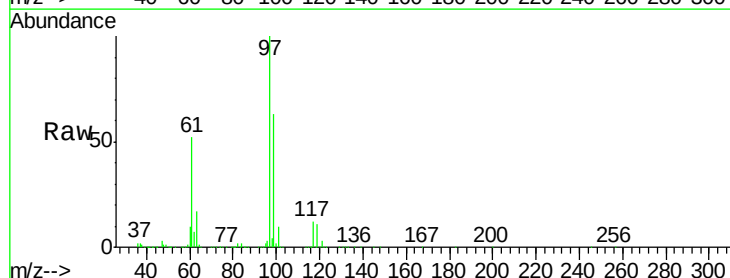
Delta R.T. -0.00 min

Lab File: VL032292.D

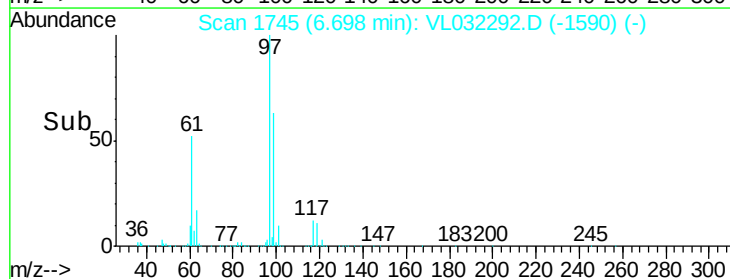
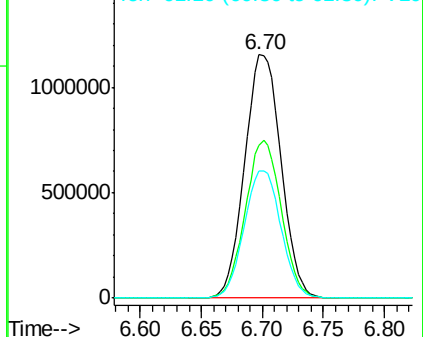
Acq: 19 Jul 2018 17:33

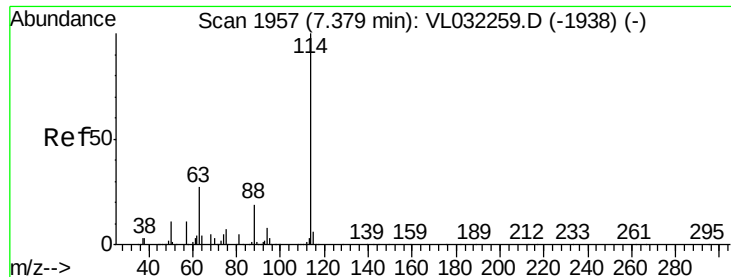
Tgt Ion: 97 Resp: 2372968

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.0	76.6
61	53.0	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

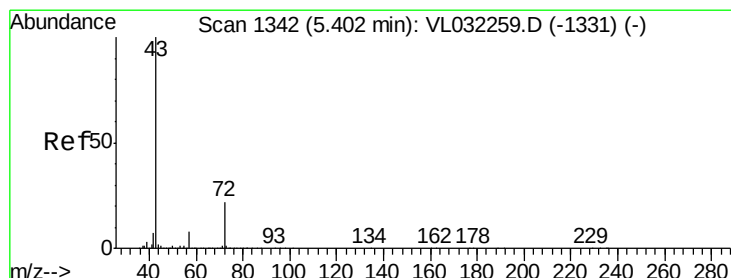
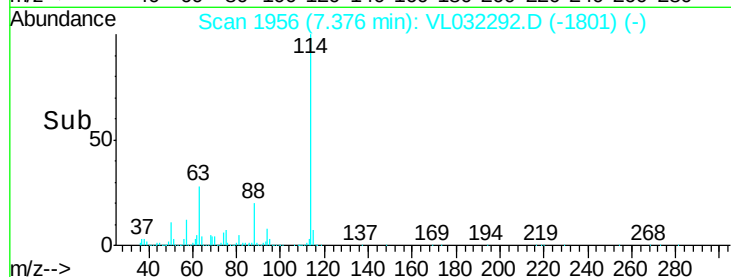
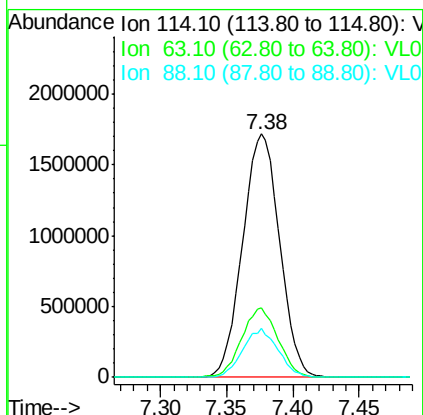
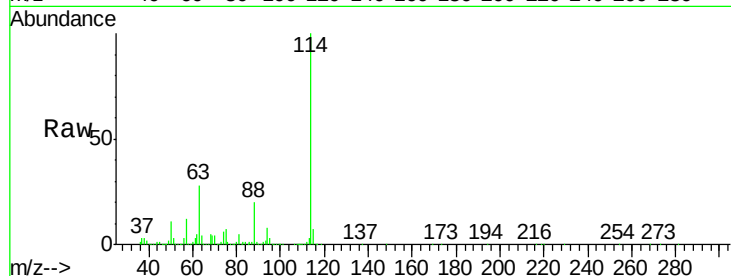




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

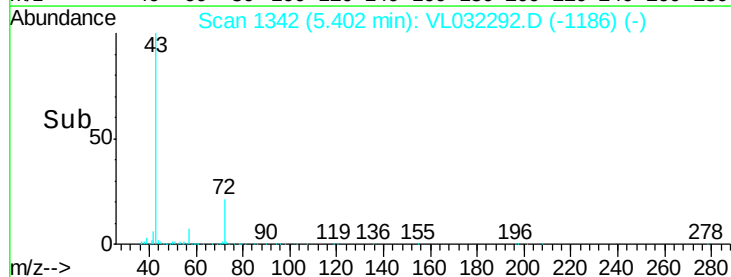
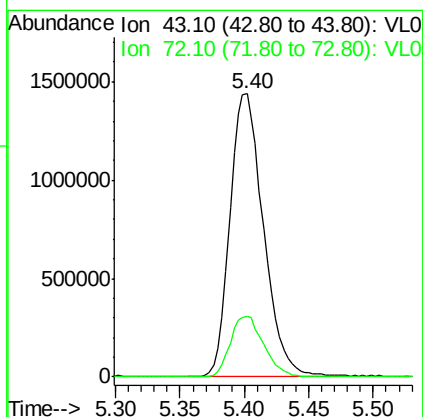
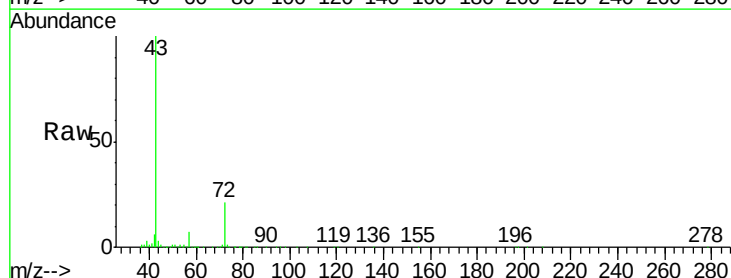
Instrument :
 MSVOA_L
 ClientSampleId :

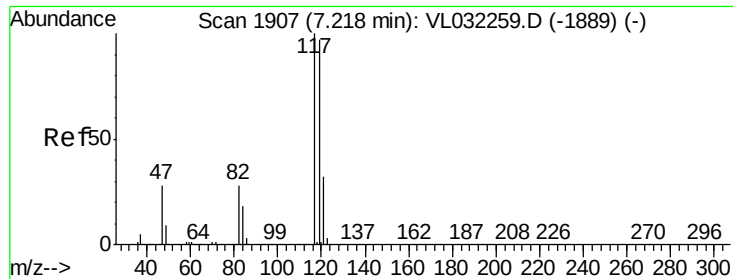
Tot Ion:114 Resp: 3344341
 Ion Ratio Lower Upper
 114 100
 63 28.4 22.6 33.8
 88 19.0 15.2 22.8



#34
 2-Butanone
 Concen: 11.279 ppbv
 RT: 5.40 min Scan# 1342
 Delta R.T. 0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Tgt Ion: 43 Resp: 2588262
 Ion Ratio Lower Upper
 43 100
 72 21.6 17.7 26.5





#35

Carbon Tetrachloride

Concen: 10.207 ppbv

RT: 7.22 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :
MSVOA_L
ClientSampleId :

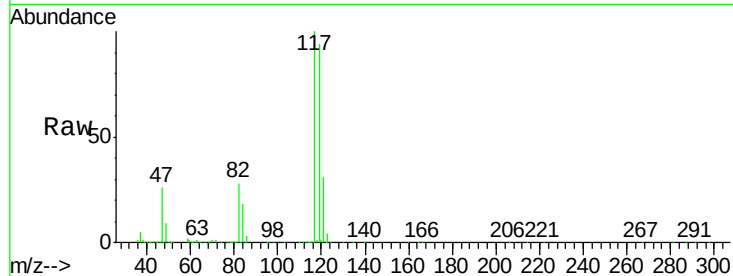
Tot Ion:117 Resp: 2347770

Ion Ratio Lower Upper

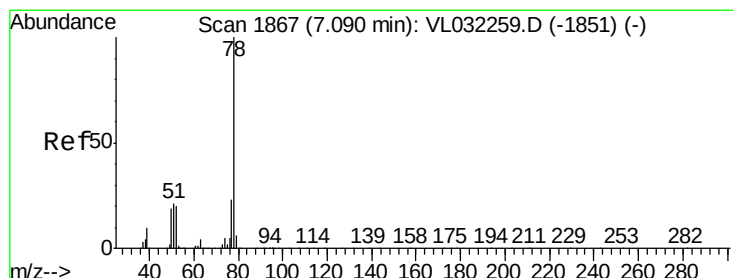
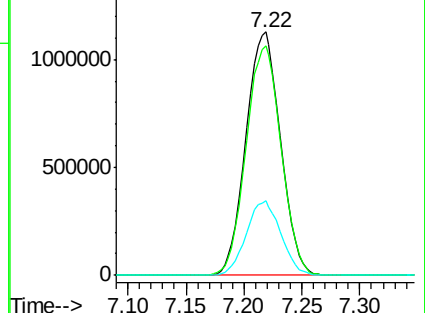
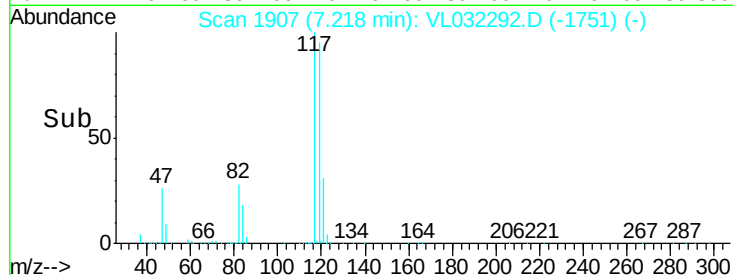
117 100

119 94.2 77.4 116.0

121 30.8 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: 10.899 ppbv

RT: 7.09 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

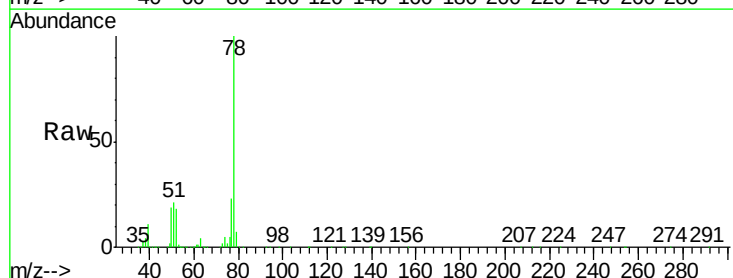
Tgt Ion: 78 Resp: 3588101

Ion Ratio Lower Upper

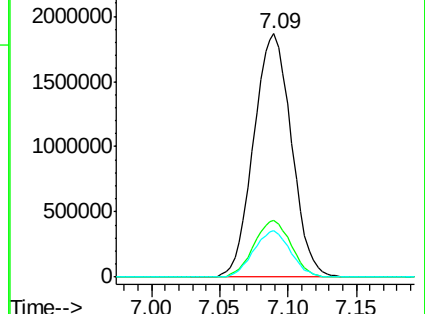
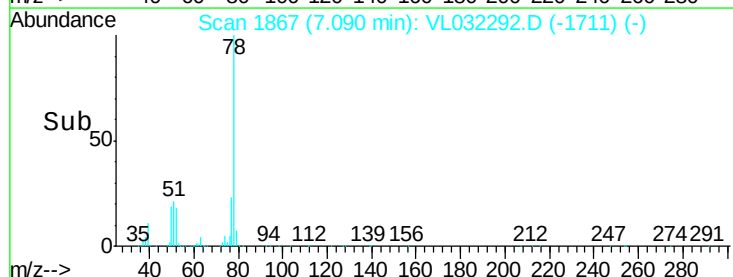
78 100

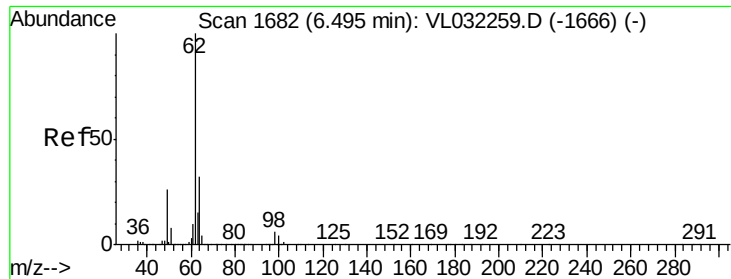
77 23.4 18.6 27.8

50 19.1 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

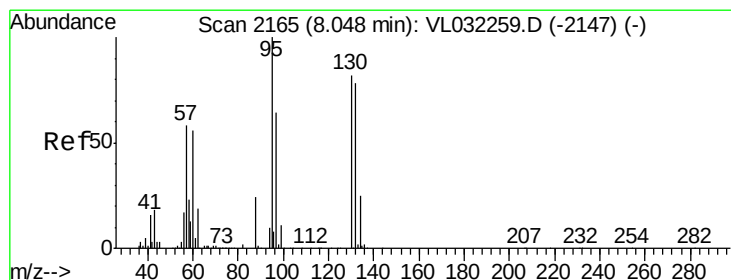
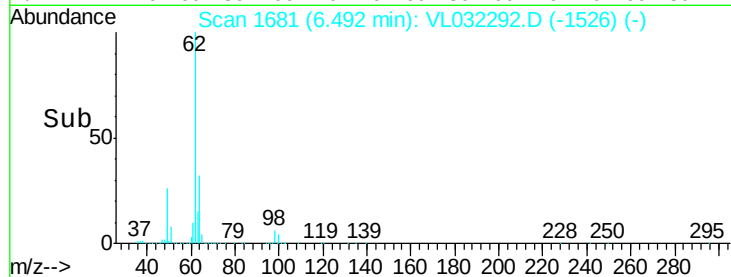
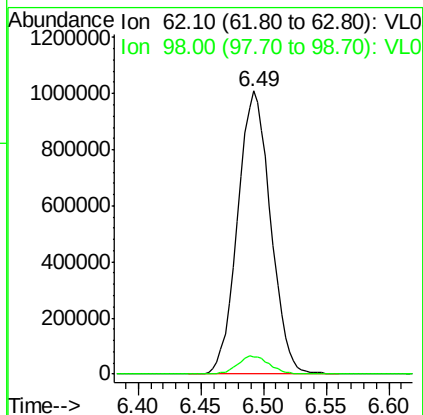
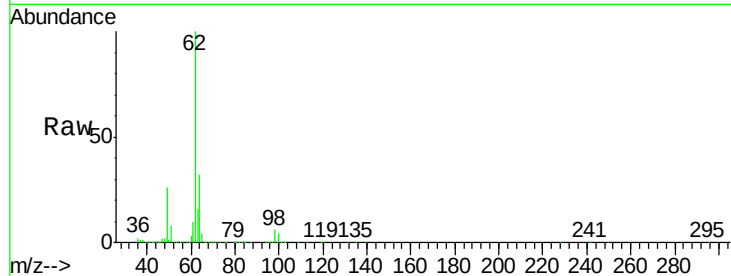




#37
 1,2-Dichloroethane
 Concen: 9.477 ppbv
 RT: 6.49 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

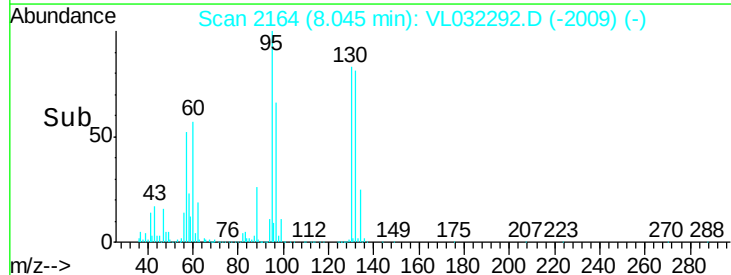
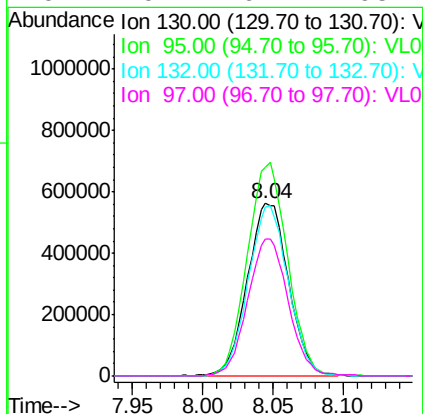
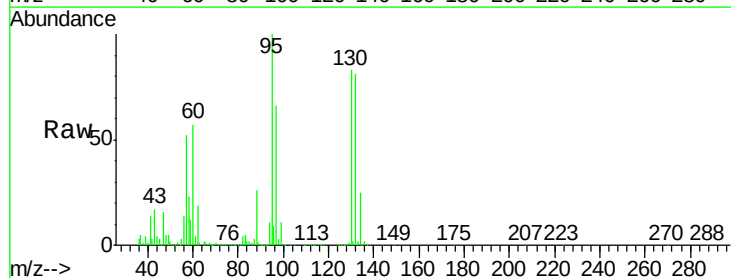
Instrument :
 MSVOA_L
 ClientSampleId :

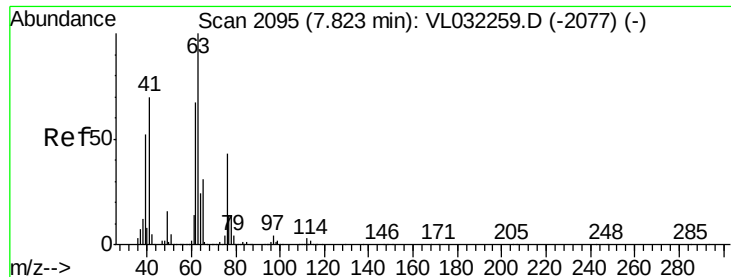
Tot Ion: 62 Resp: 1842933
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.9 7.3



#38
 Trichloroethene
 Concen: 10.477 ppbv
 RT: 8.04 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Tgt Ion: 130 Resp: 1141047
 Ion Ratio Lower Upper
 130 100
 95 121.4 97.1 145.7
 132 97.7 75.6 113.4
 97 79.7 62.1 93.1





#39

1,2-Dichloropropane

Concen: 11.128 ppbv

RT: 7.82 min Scan# 2095

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampleId :

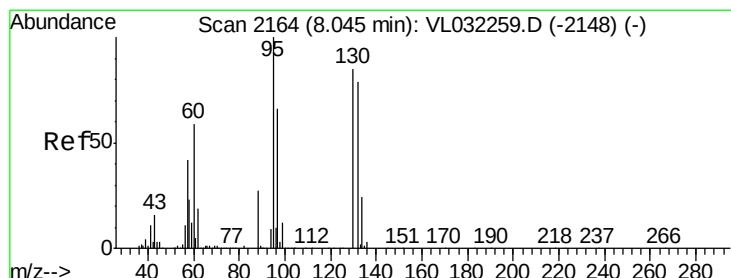
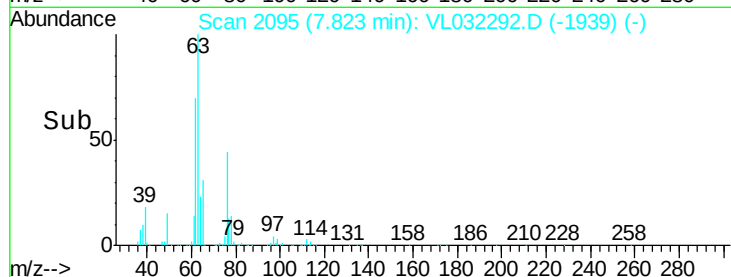
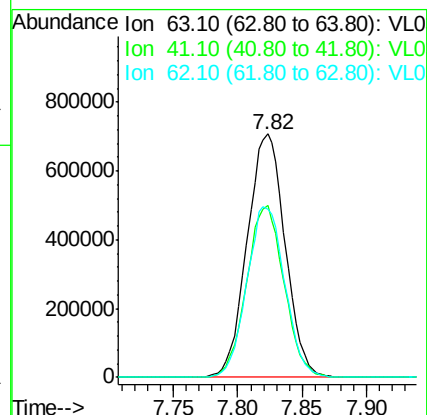
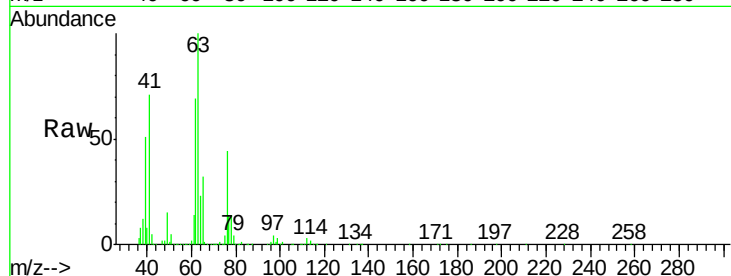
Tot Ion: 63 Resp: 1450306

Ion Ratio Lower Upper

63 100

41 70.7 55.8 83.6

62 69.3 53.8 80.8



#40

1,4-Dioxane

Concen: 11.892 ppbv

RT: 8.04 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Tgt Ion: 88 Resp: 457771

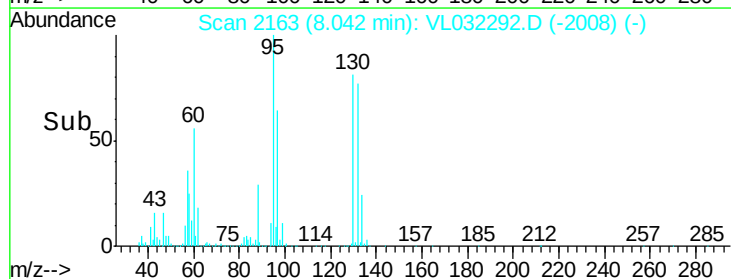
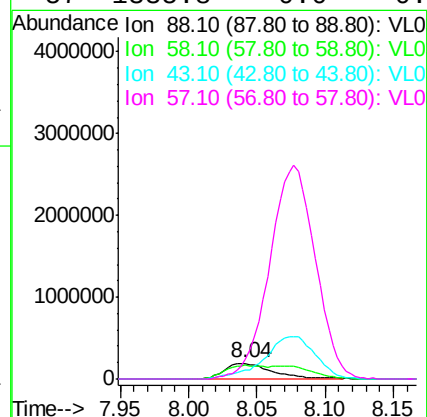
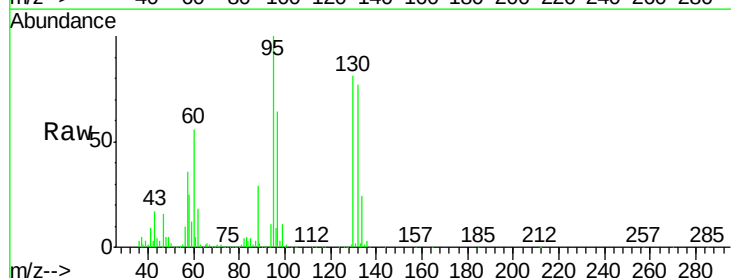
Ion Ratio Lower Upper

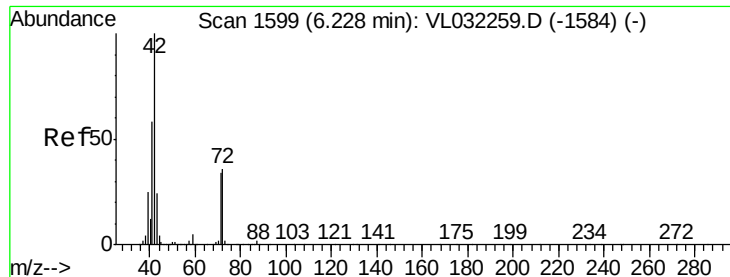
88 100

58 148.2 60.9 91.3#

43 297.8 0.0 0.0#

57 1335.8 0.0 0.0#





#41

Tetrahydrofuran

Concen: 11.311 ppbv

RT: 6.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampleId :

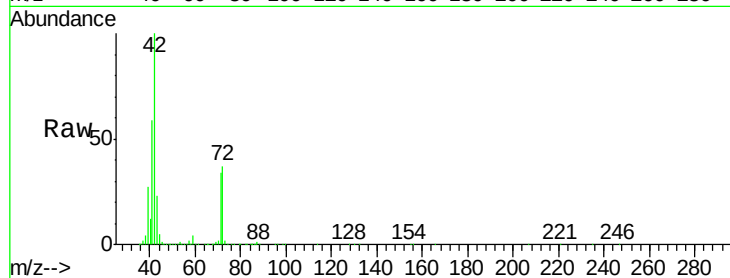
Tot Ion: 42 Resp: 1514192

Ion Ratio Lower Upper

42 100

72 35.8 29.4 44.0

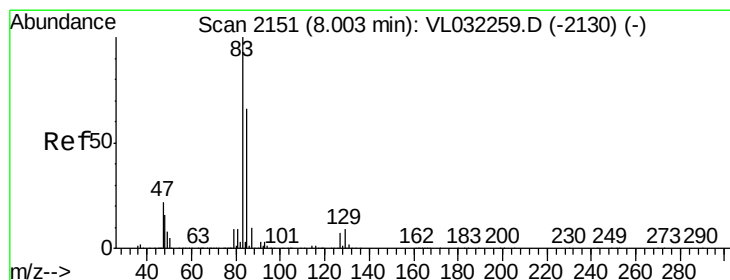
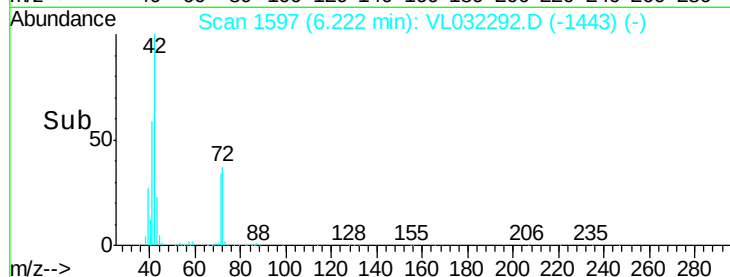
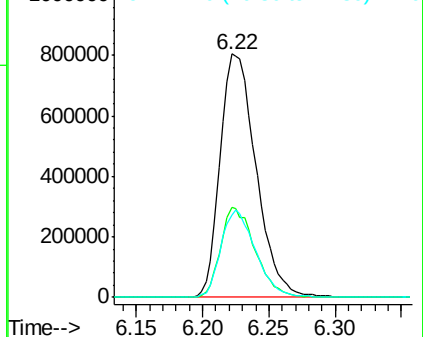
71 34.6 28.2 42.4



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.807 ppbv

RT: 8.00 min Scan# 2151

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

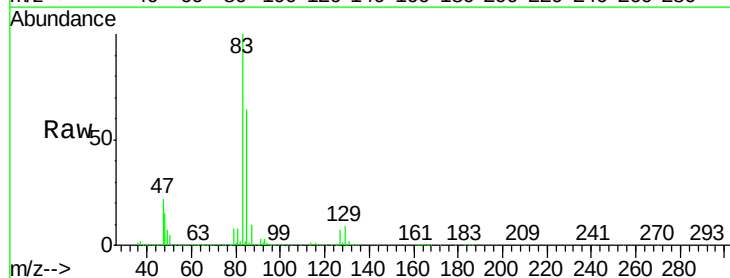
Tgt Ion: 83 Resp: 2646036

Ion Ratio Lower Upper

83 100

85 64.2 53.0 79.4

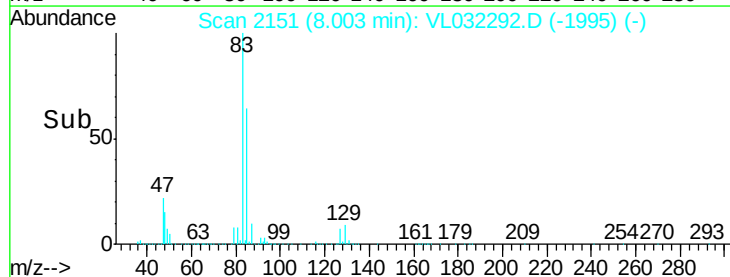
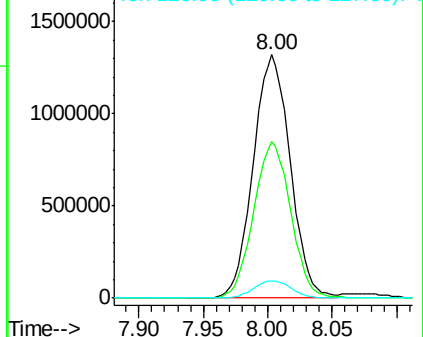
127 6.9 5.7 8.5

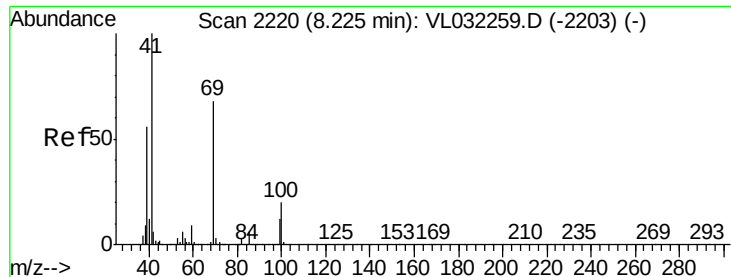


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methvl Methacrylate

Concen: 10.832 ppbv

RT: 8.22 min Scan# 2218

Delta R.T. -0.01 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampled :

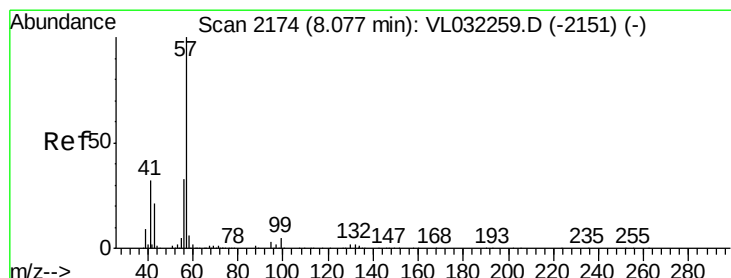
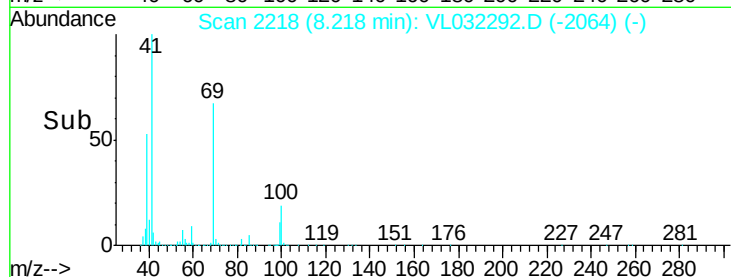
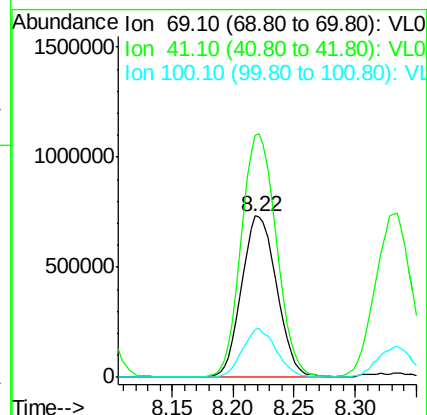
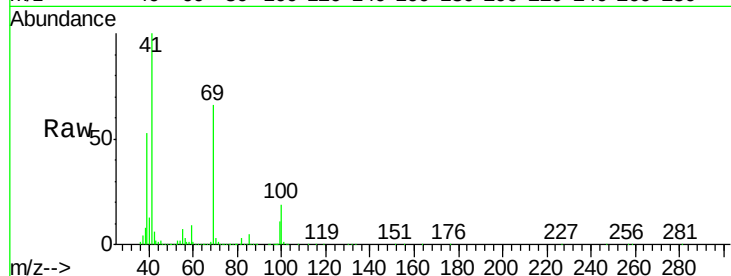
Tot Ion: 69 Resp: 1461417

Ion Ratio Lower Upper

69 100

41 150.8 118.6 177.8

100 29.1 23.3 34.9



#44

2,2,4-Trimethylpentane

Concen: 10.644 ppbv

RT: 8.08 min Scan# 2174

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

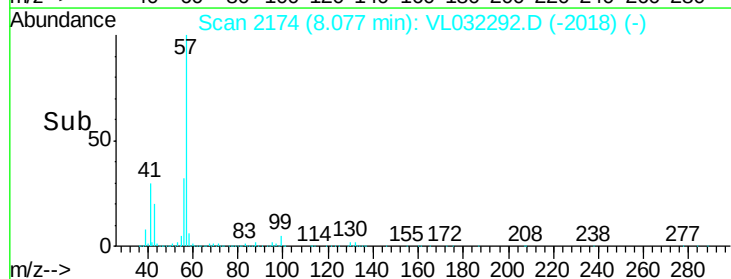
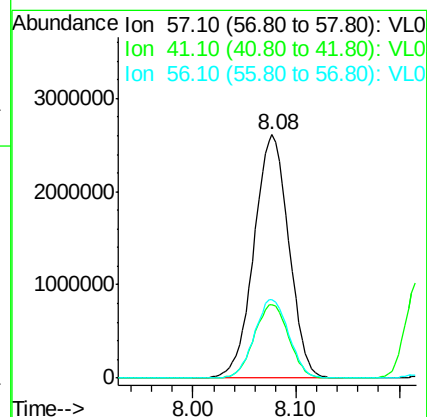
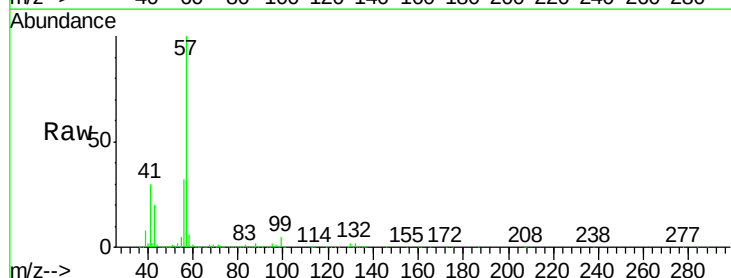
Tgt Ion: 57 Resp: 6106918

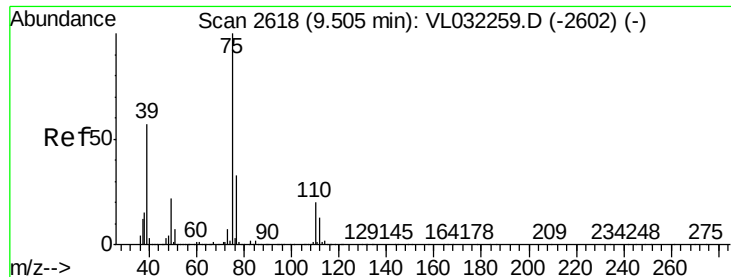
Ion Ratio Lower Upper

57 100

41 30.3 24.4 36.6

56 31.9 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 13.981 ppbv

RT: 9.50 min Scan# 2617

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

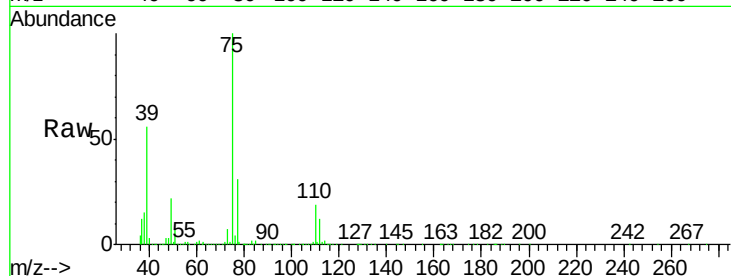
ClientSampleId :

Tot Ion: 75 Resp: 2222655

Ion Ratio Lower Upper

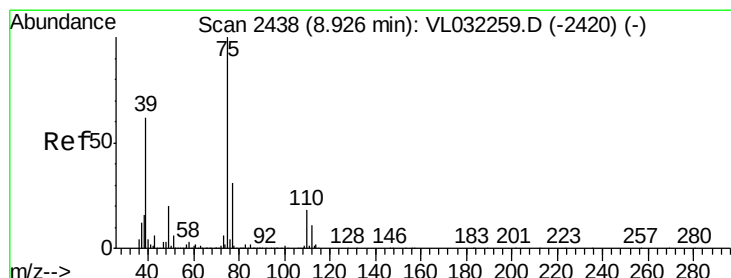
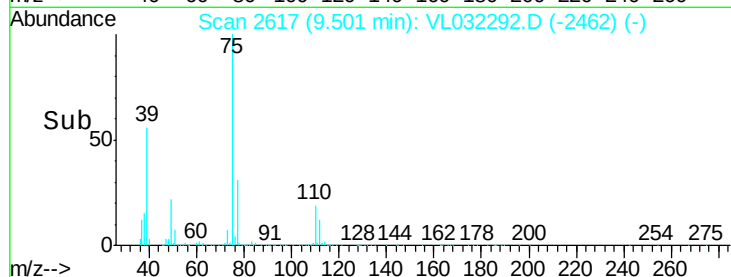
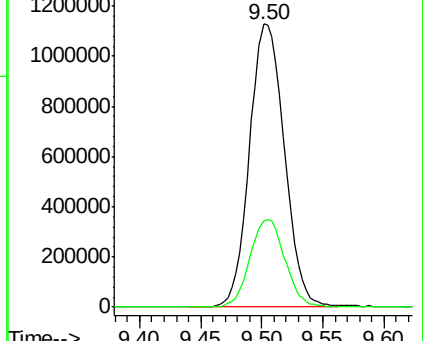
75 100

77 30.6 26.2 39.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 11.448 ppbv

RT: 8.92 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

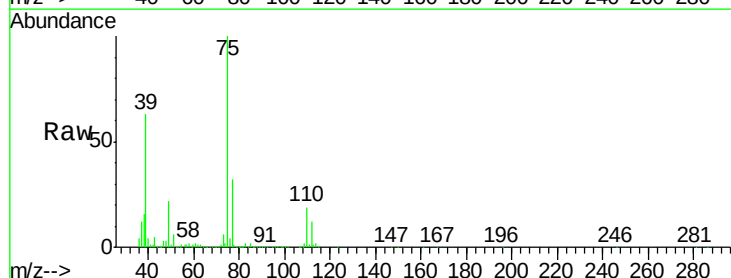
Tgt Ion: 75 Resp: 2321202

Ion Ratio Lower Upper

75 100

39 63.0 49.9 74.9

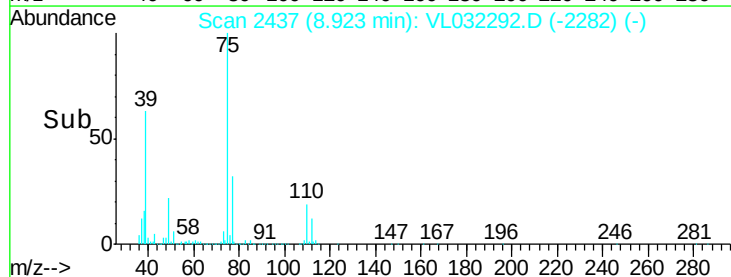
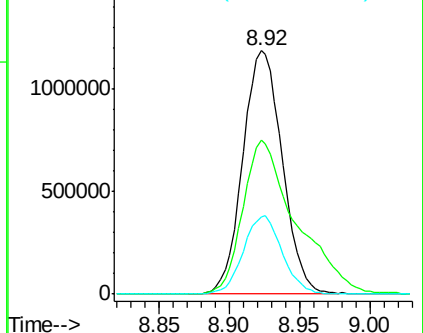
77 31.7 25.0 37.4

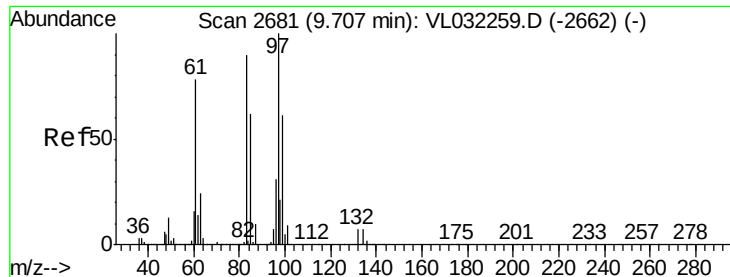


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



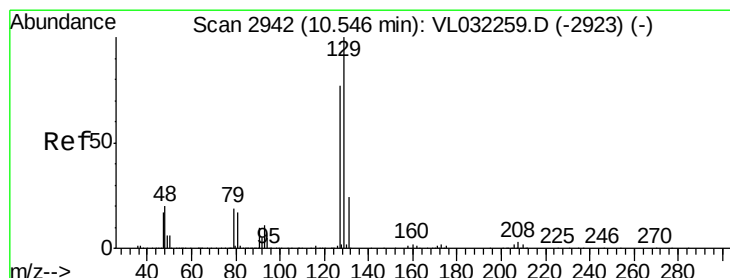
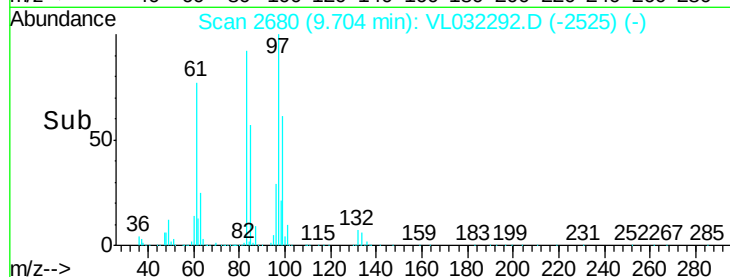
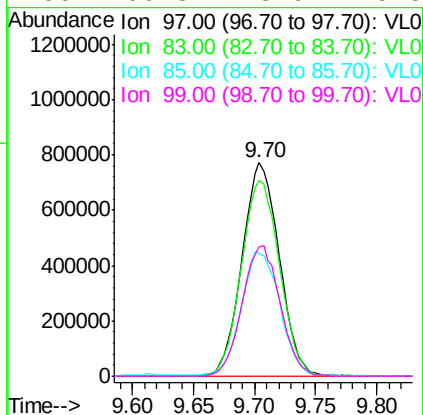
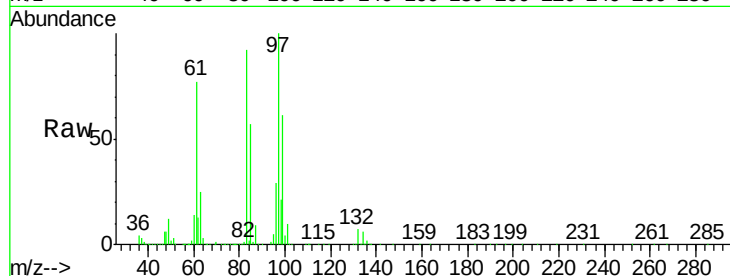


#47
 1,1,2-Trichloroethane
 Concen: 11.531 ppbv
 RT: 9.70 min Scan# 2680
 Delta R.T. -0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 97 Resp: 1624037

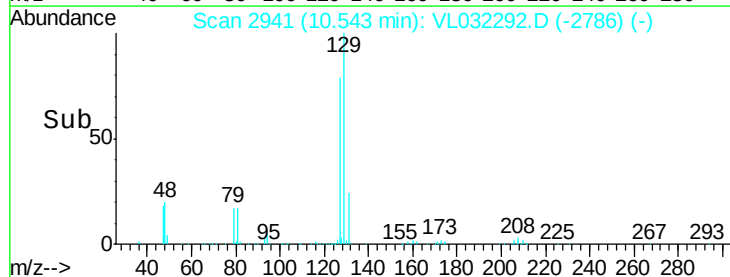
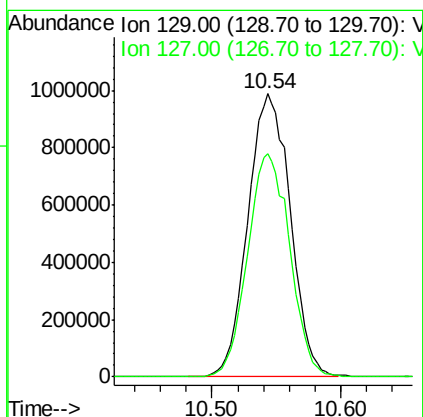
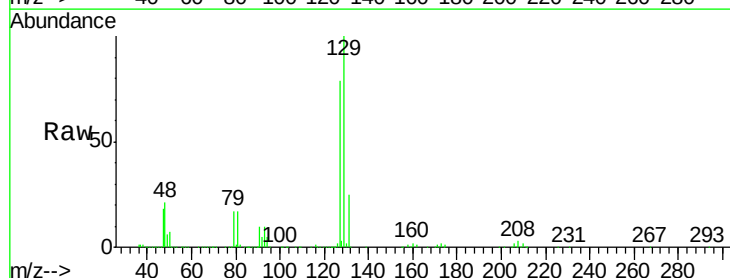
Ion	Ratio	Lower	Upper
97	100		
83	91.6	72.3	108.5
85	56.9	49.5	74.3
99	60.8	48.9	73.3

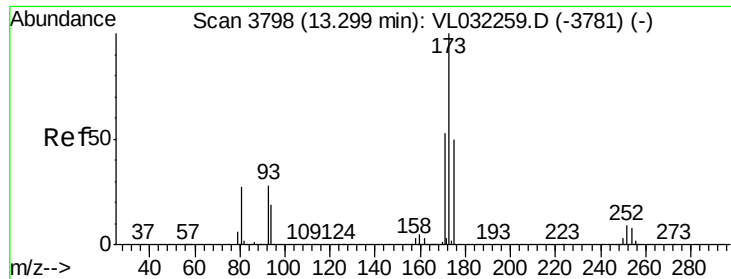


#48
 Dibromochloromethane
 Concen: 11.006 ppbv
 RT: 10.54 min Scan# 2941
 Delta R.T. -0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Tgt Ion: 129 Resp: 2260756

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.1	117.3





#49

Bromoform

Concen: 11.497 ppbv

RT: 13.30 min Scan# 3798

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

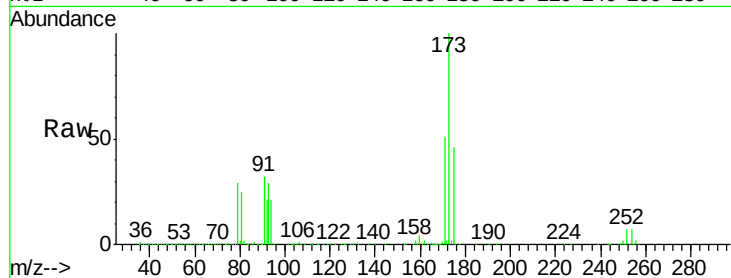
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:173 Resp: 2060958

Ion	Ratio	Lower	Upper
173	100		
175	48.6	39.0	58.6
171	52.7	41.6	62.4

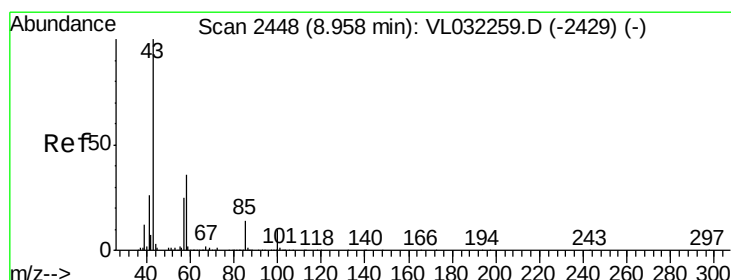
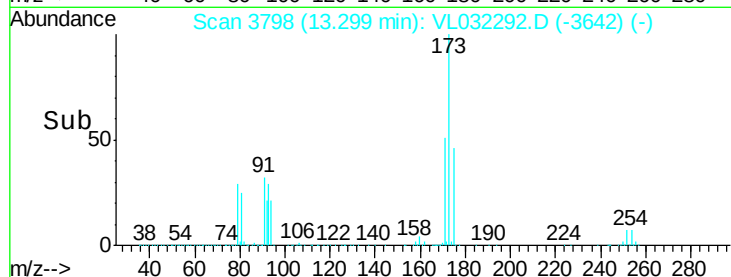
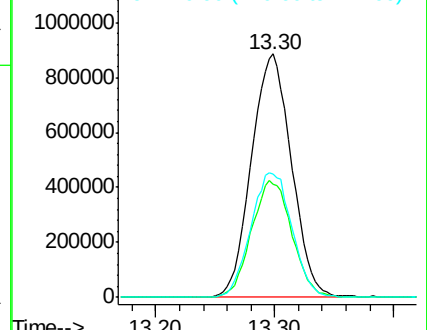


Abundance

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: 10.856 ppbv

RT: 8.96 min Scan# 2448

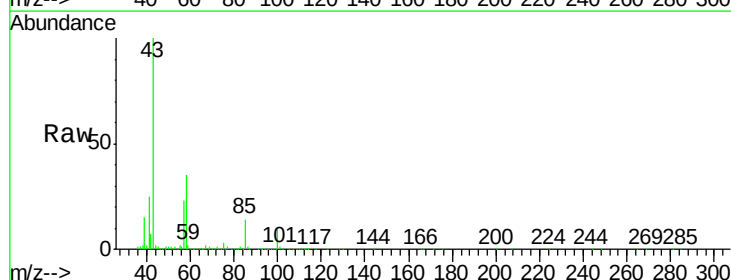
Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Tgt Ion: 43 Resp: 4099628

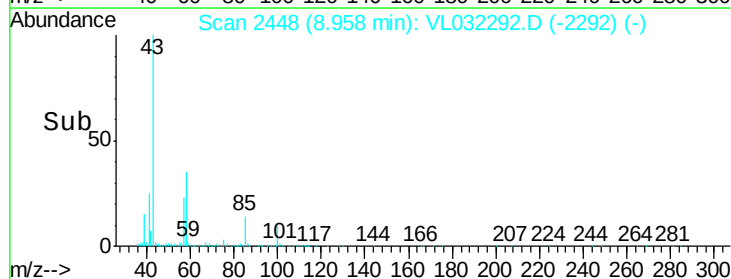
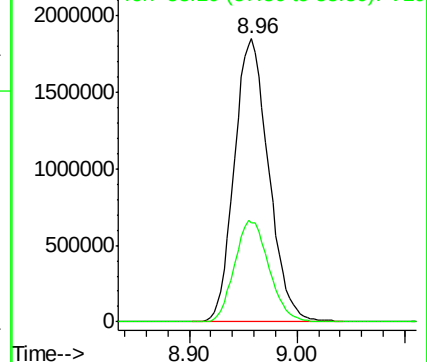
Ion	Ratio	Lower	Upper
43	100		
58	36.1	29.2	43.8

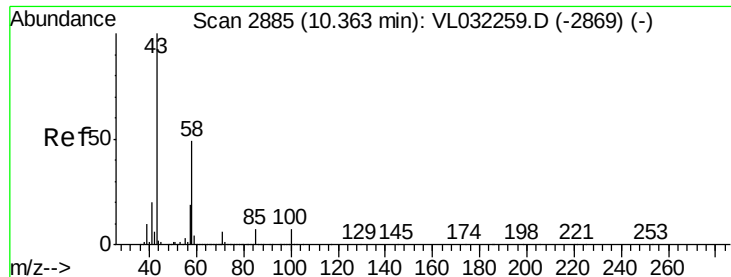


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

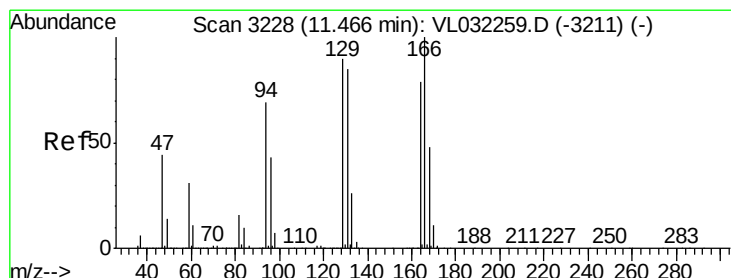
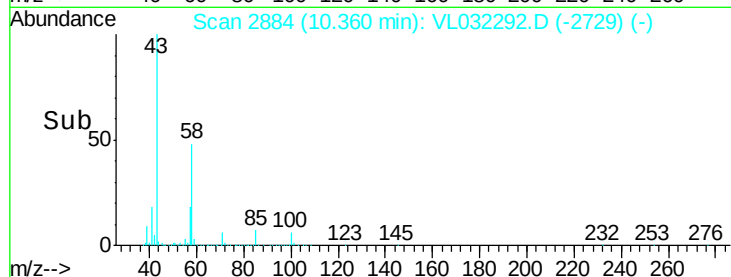
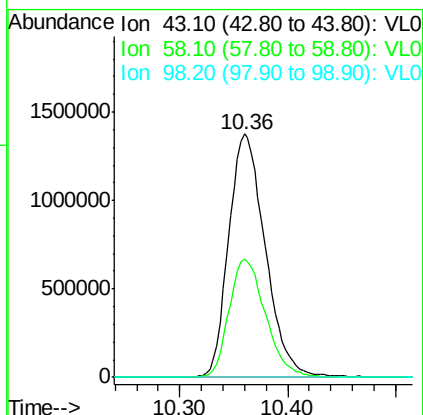
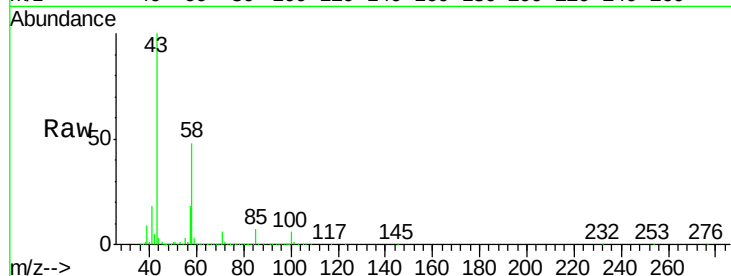




#51
2-Hexanone
Concen: 11.286 ppbv
RT: 10.36 min Scan# 2884
Delta R.T. -0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

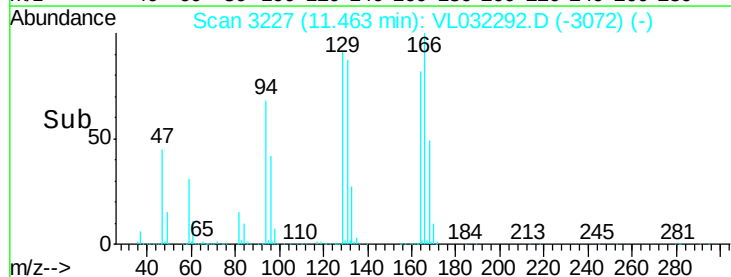
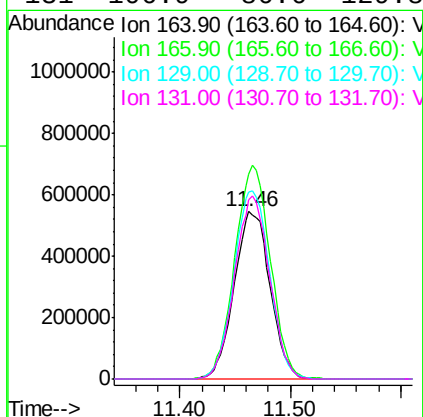
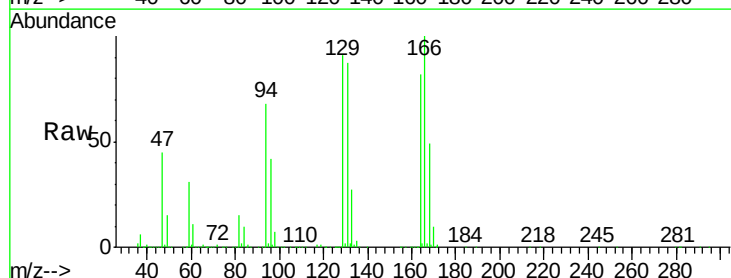
Instrument :
MSVOA_L
ClientSampleId :

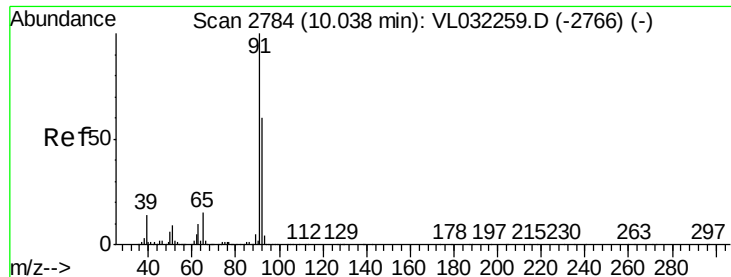
Tot Ion: 43 Resp: 3248966
Ion Ratio Lower Upper
43 100
58 48.4 39.4 59.2
98 0.4 0.2 0.2#



#52
Tetrachloroethene
Concen: 10.934 ppbv
RT: 11.46 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Tgt Ion:164 Resp: 1229321
Ion Ratio Lower Upper
164 100
166 122.2 101.7 152.5
129 111.8 91.5 137.3
131 106.9 86.6 129.8





#53

Toluene

Concen: 10.070 ppbv

RT: 10.04 min Scan# 2784

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

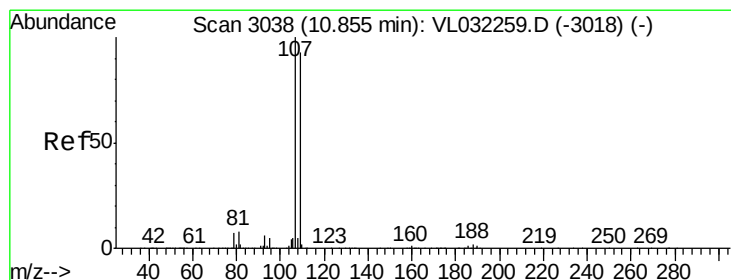
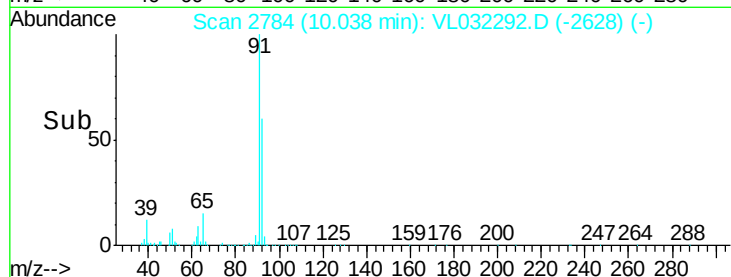
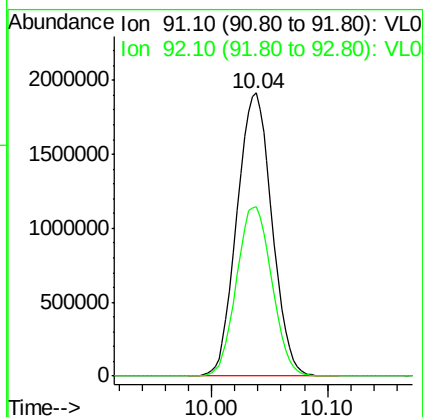
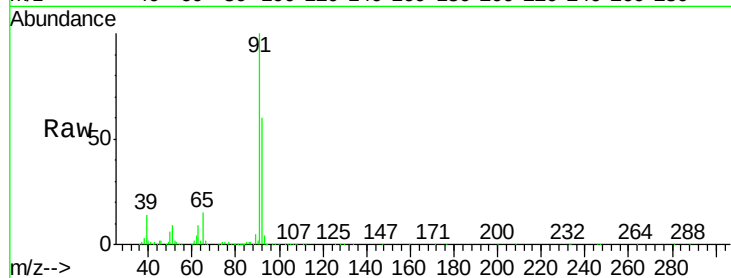
ClientSampleId :

Tot Ion: 91 Resp: 4018729

Ion Ratio Lower Upper

91 100

92 60.5 48.6 72.8



#54

1,2-Dibromoethane

Concen: 11.633 ppbv

RT: 10.85 min Scan# 3038

Delta R.T. 0.00 min

Lab File: VL032292.D

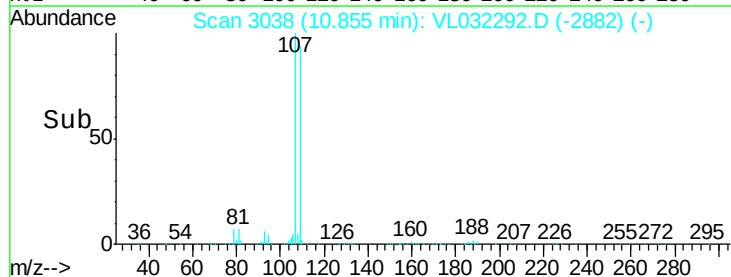
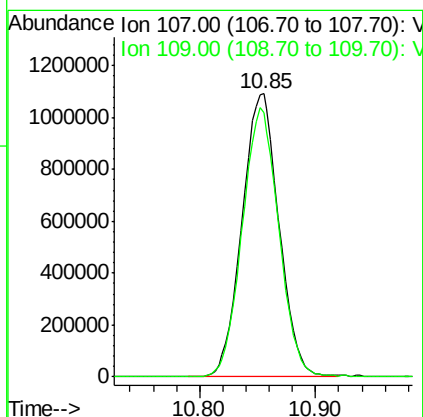
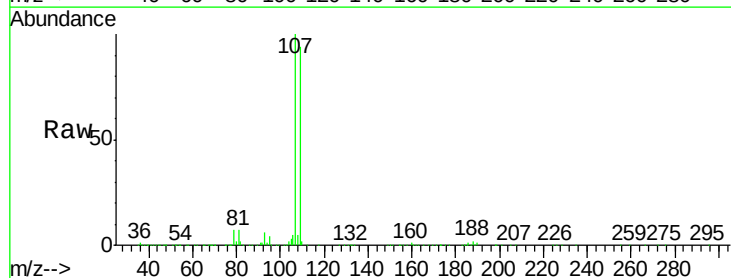
Acq: 19 Jul 2018 17:33

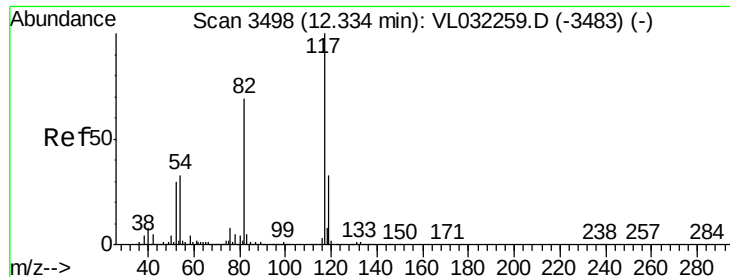
Tgt Ion: 107 Resp: 2417053

Ion Ratio Lower Upper

107 100

109 93.5 74.8 112.2

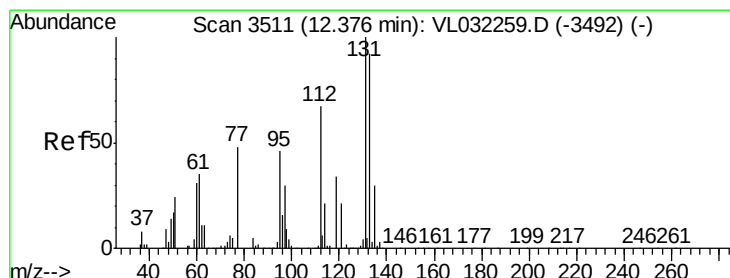
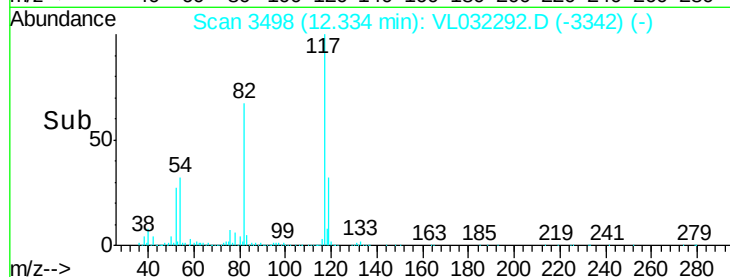
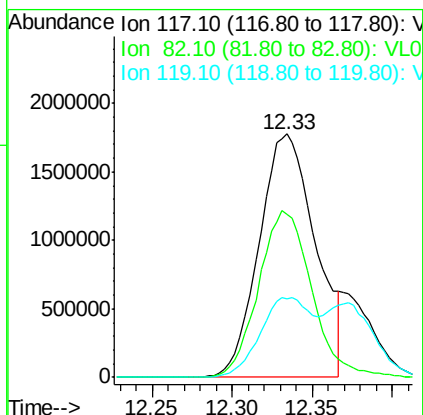
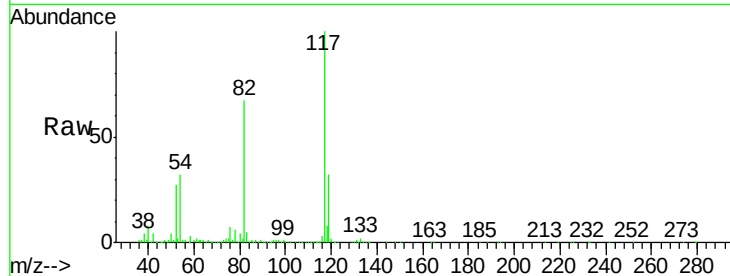




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.33 min Scan# 3498
Delta R.T. 0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

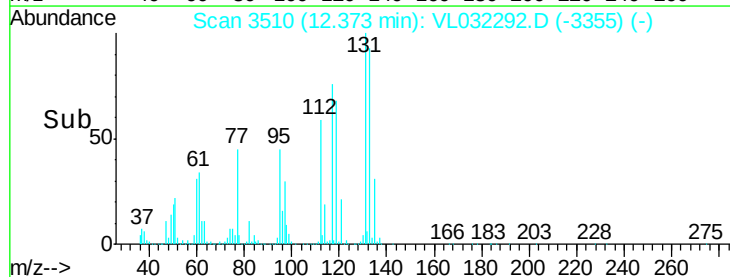
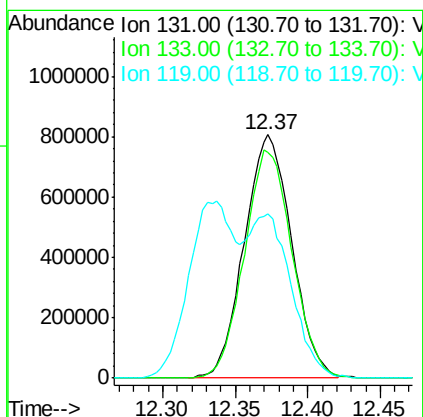
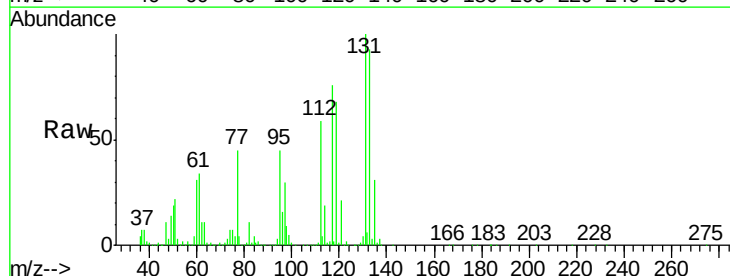
Instrument :
MSVOA_L
ClientSampleId :

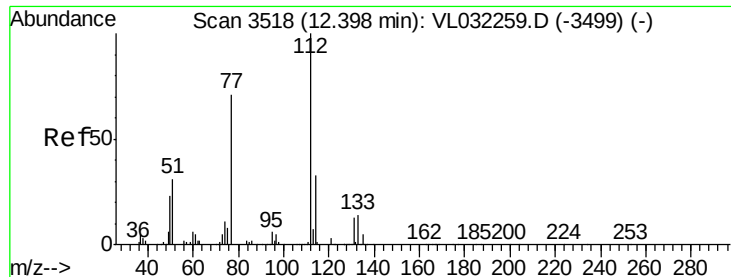
Tot Ion:117 Resp: 4336392
Ion Ratio Lower Upper
117 100
82 65.0 53.9 80.9
119 57.1 25.5 38.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 9.468 ppbv
RT: 12.37 min Scan# 3510
Delta R.T. -0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Tgt Ion:131 Resp: 1828523
Ion Ratio Lower Upper
131 100
133 95.1 75.4 113.0
119 58.8 49.4 74.2





#57

Chlorobenzene

Concen: 9.496 ppbv

RT: 12.40 min Scan# 3517

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampleId :

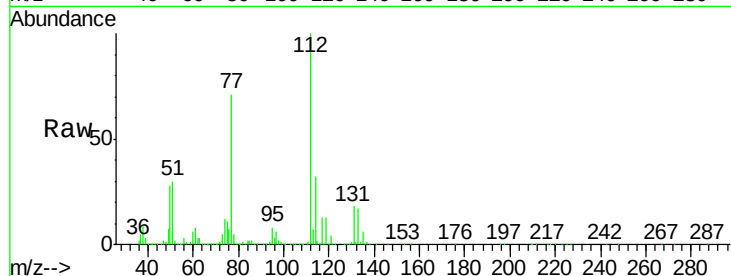
Tot Ion:112 Resp: 3377952

Ion Ratio Lower Upper

112 100

77 70.6 58.2 87.4

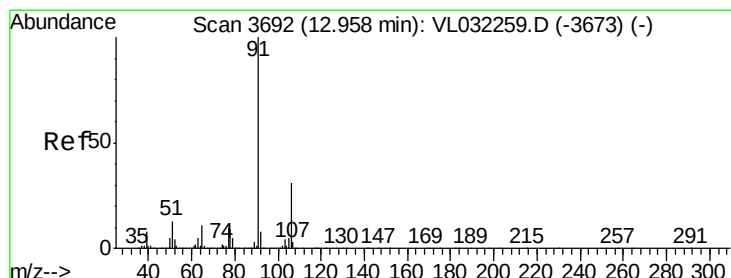
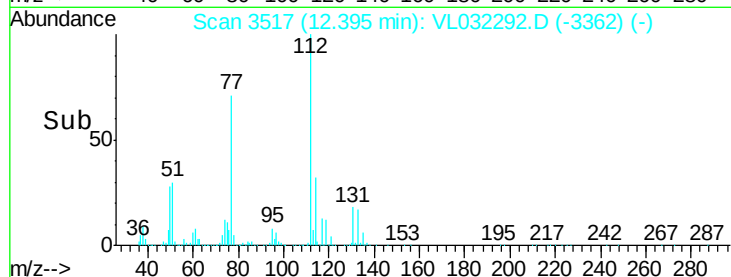
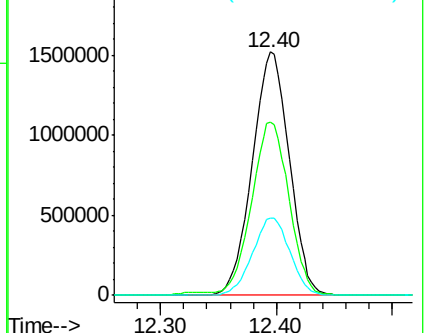
114 31.5 29.5 36.1



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: 10.190 ppbv

RT: 12.96 min Scan# 3692

Delta R.T. 0.00 min

Lab File: VL032292.D

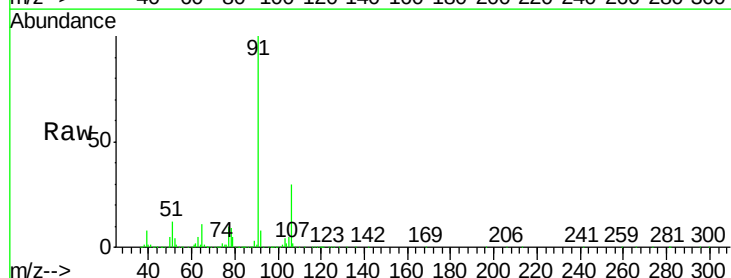
Acq: 19 Jul 2018 17:33

Tgt Ion: 91 Resp: 6226430

Ion Ratio Lower Upper

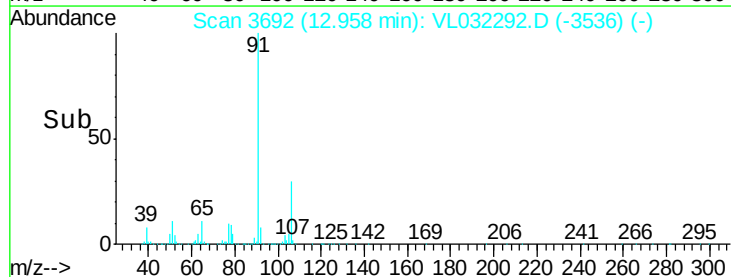
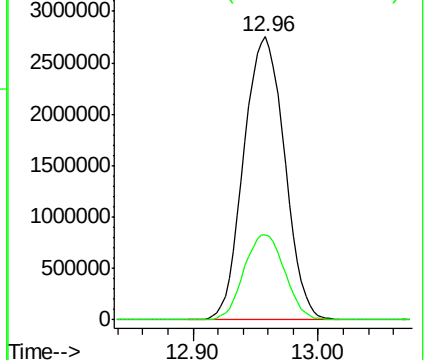
91 100

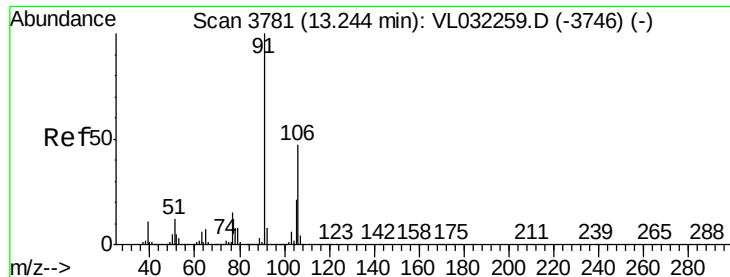
106 30.0 24.5 36.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

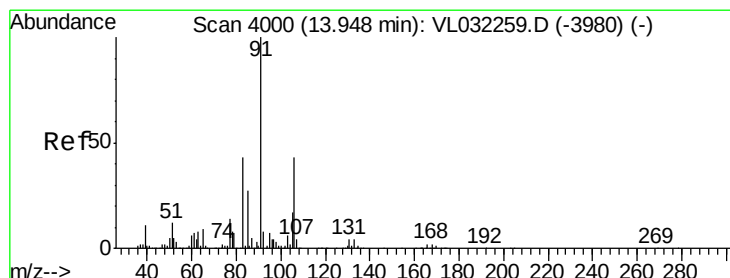
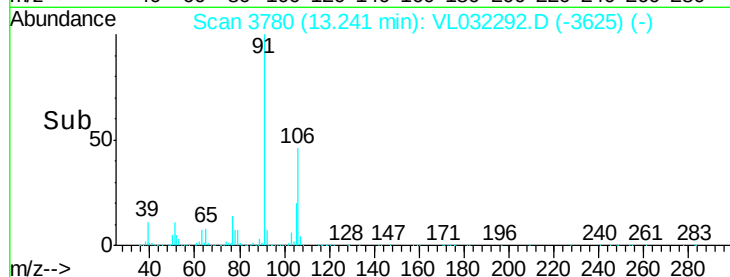
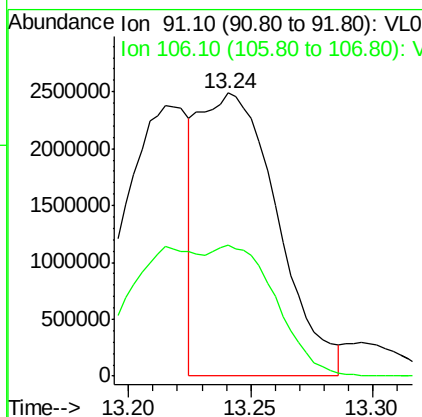
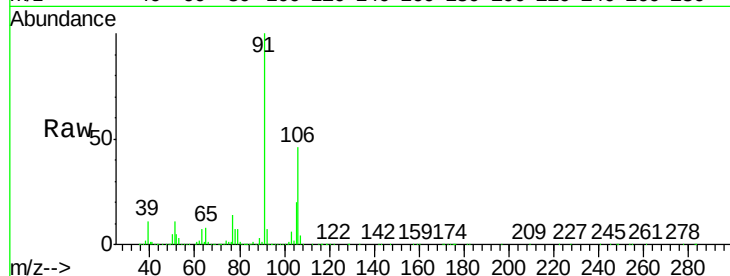




#59
m/p-Xylene
Concen: 10.651 ppbv
RT: 13.24 min Scan# 3780
Delta R.T. -0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

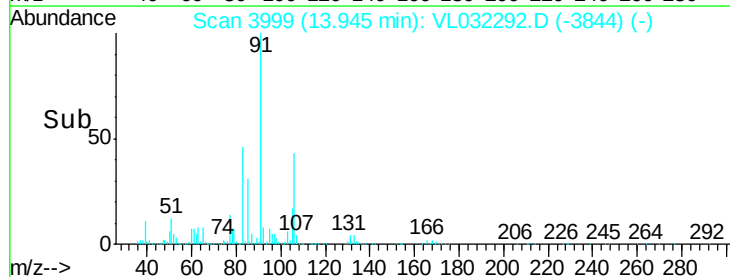
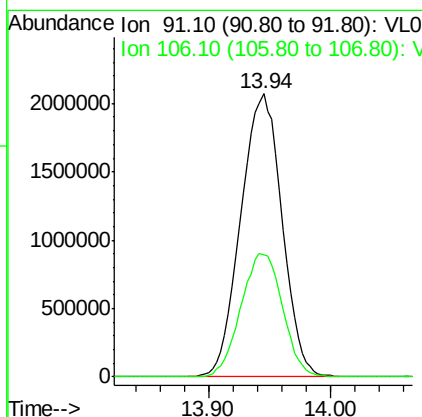
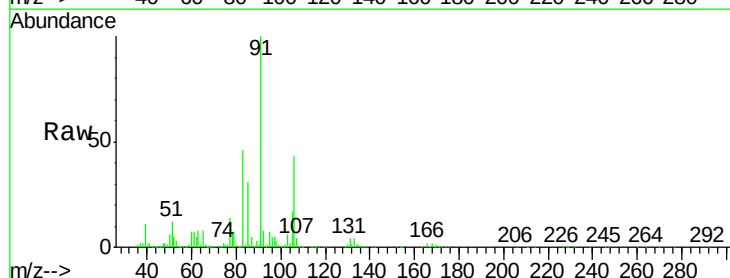
Instrument :
MSVOA_L
ClientSampleId :

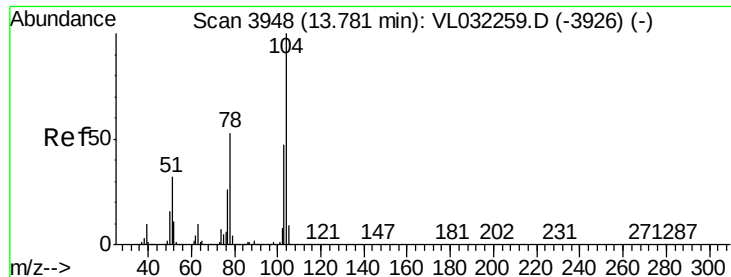
Tot Ion: 91 Resp: 5552354
Ion Ratio Lower Upper
91 100
106 82.1 36.2 54.2#



#60
o-Xylene
Concen: 9.299 ppbv
RT: 13.94 min Scan# 3999
Delta R.T. -0.00 min
Lab File: VL032292.D
Acq: 19 Jul 2018 17:33

Tgt Ion: 91 Resp: 4827575
Ion Ratio Lower Upper
91 100
106 44.1 21.7 65.1





#61

Stvrene

Concen: 10.200 ppbv

RT: 13.78 min Scan# 3947

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampleId :

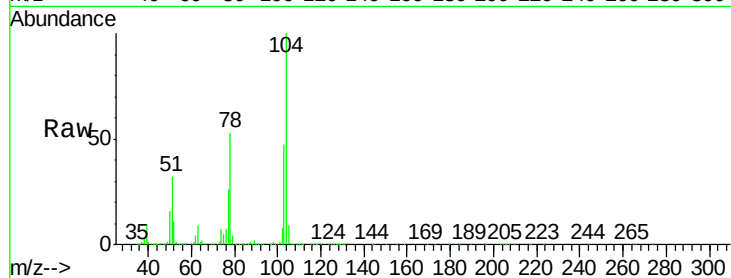
Tot Ion:104 Resp: 3932352

Ion Ratio Lower Upper

104 100

78 53.4 43.2 64.8

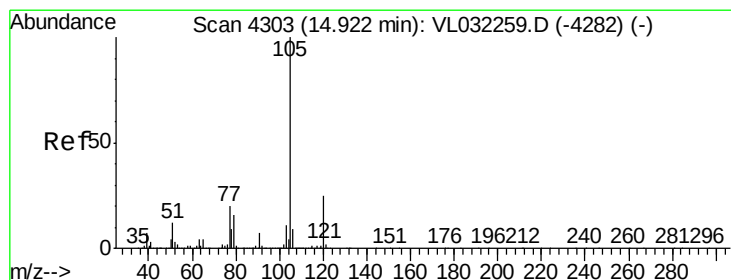
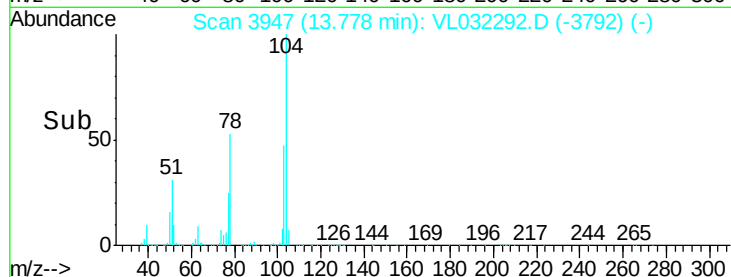
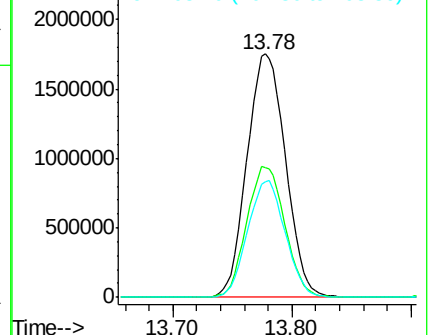
103 47.0 37.8 56.6



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: 9.232 ppbv

RT: 14.92 min Scan# 4302

Delta R.T. -0.00 min

Lab File: VL032292.D

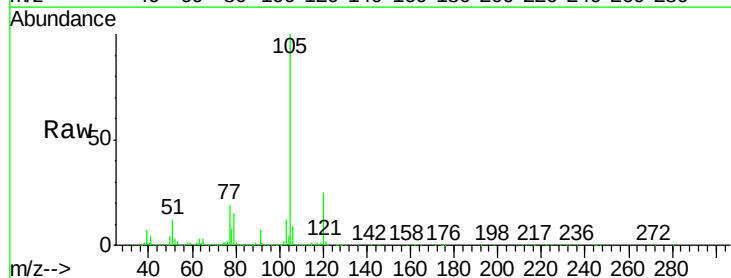
Acq: 19 Jul 2018 17:33

Tgt Ion:105 Resp: 6870947

Ion Ratio Lower Upper

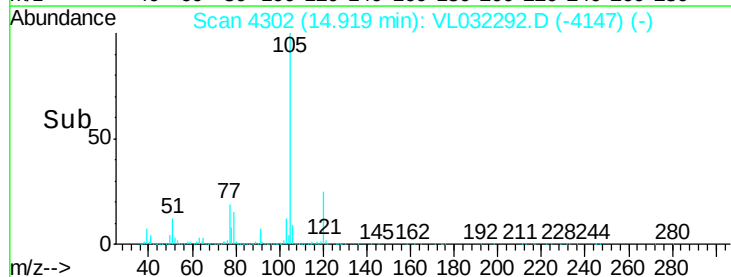
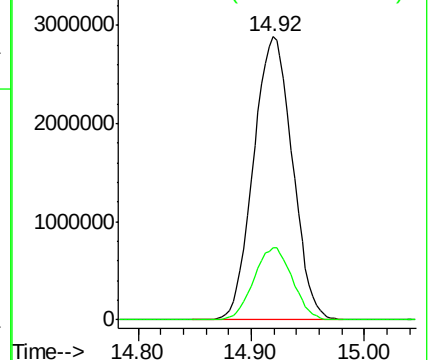
105 100

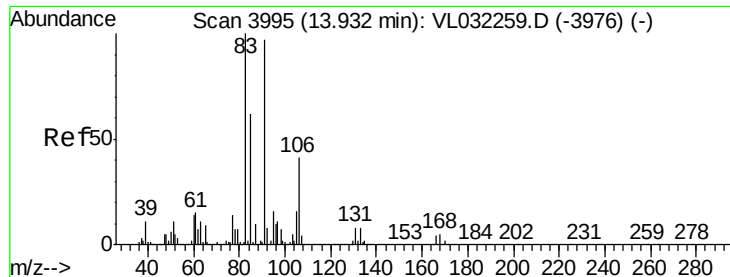
120 25.5 20.2 30.4



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: 8.154 ppbv

RT: 13.93 min Scan# 3994

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

ClientSampleId :

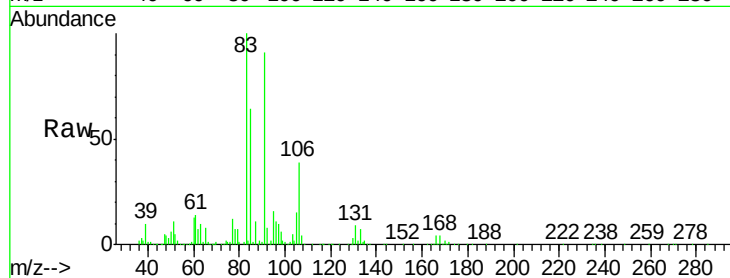
Tot Ion: 83 Resp: 3609534

Ion Ratio Lower Upper

83 100

131 8.4 4.2 12.6

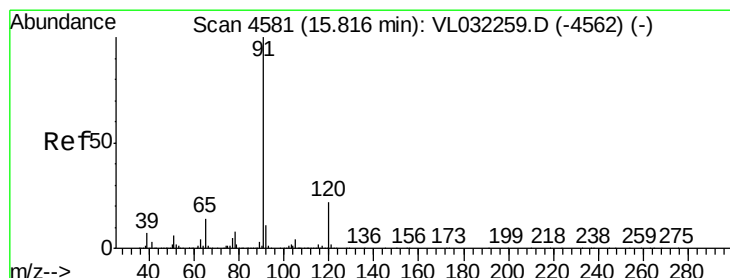
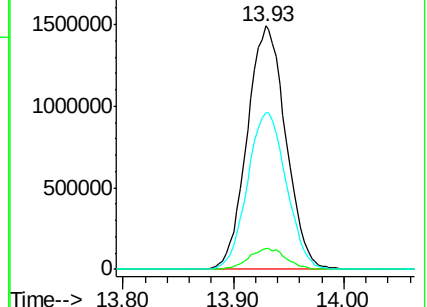
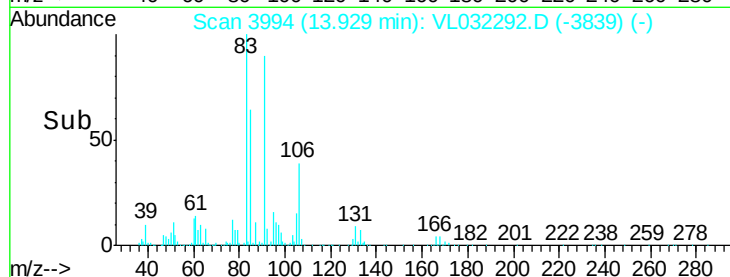
85 65.2 32.2 96.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.328 ppbv

RT: 15.82 min Scan# 4581

Delta R.T. 0.00 min

Lab File: VL032292.D

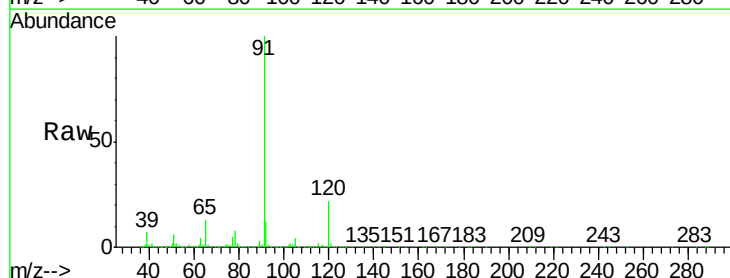
Acq: 19 Jul 2018 17:33

Tgt Ion:120 Resp: 1782611

Ion Ratio Lower Upper

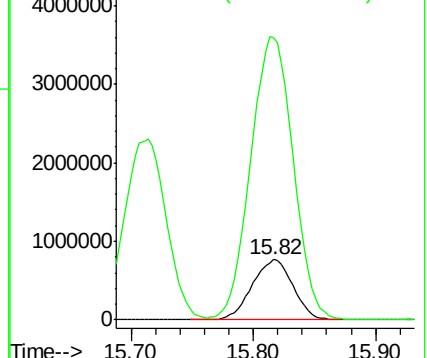
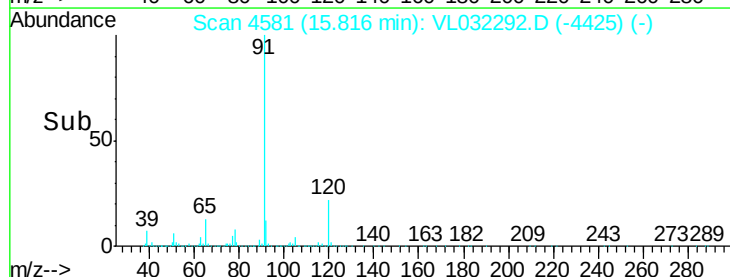
120 100

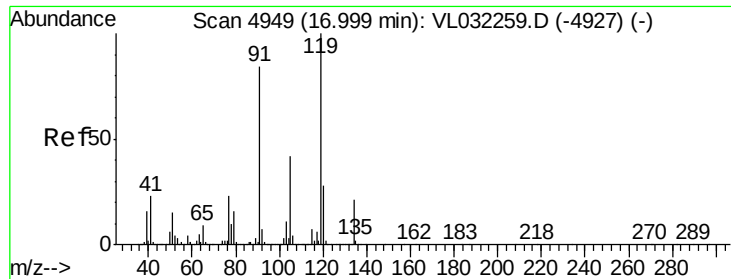
91 489.2 384.4 576.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

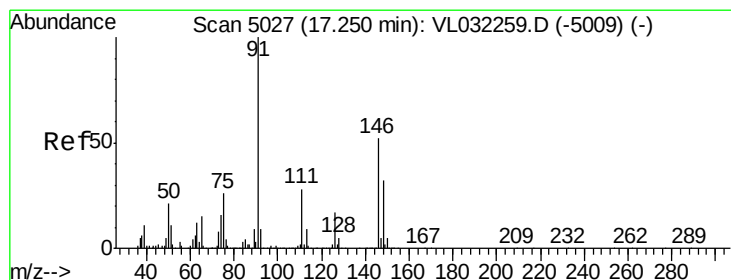
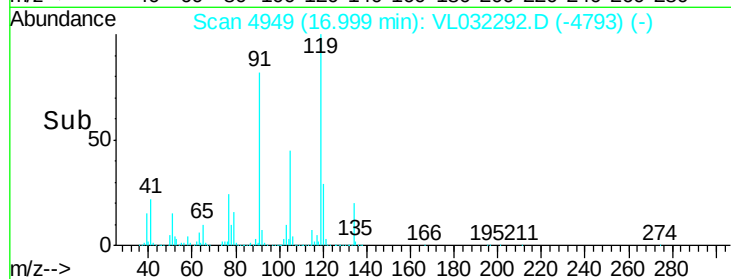
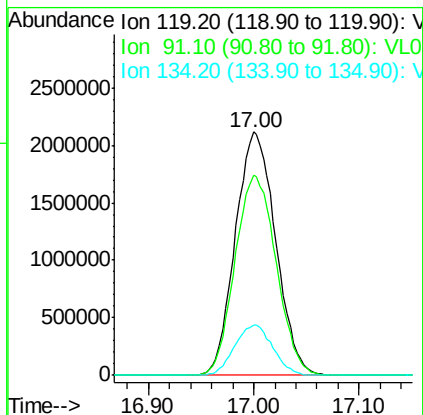
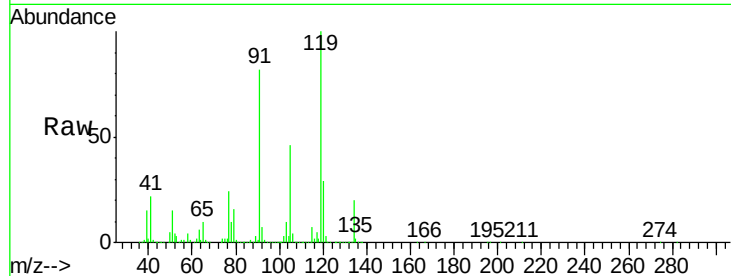




#65
 tert-Butylbenzene
 Concen: 8.836 ppbv
 RT: 17.00 min Scan# 4949
 Delta R.T. 0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

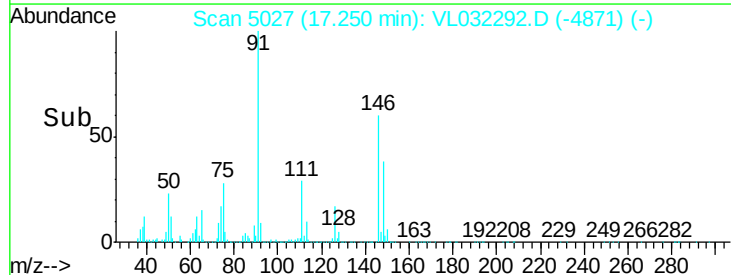
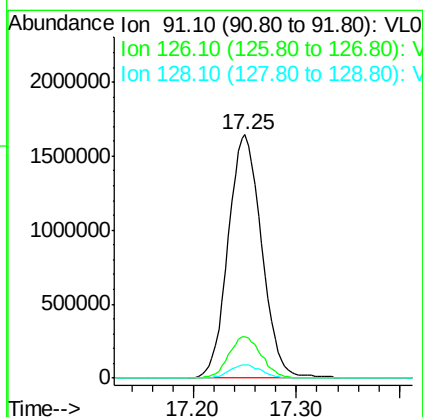
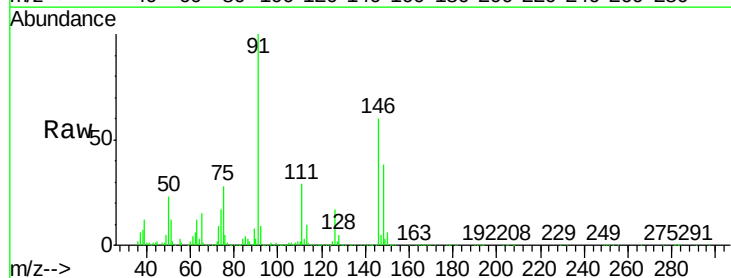
Instrument :
 MSVOA_L
 ClientSampled :

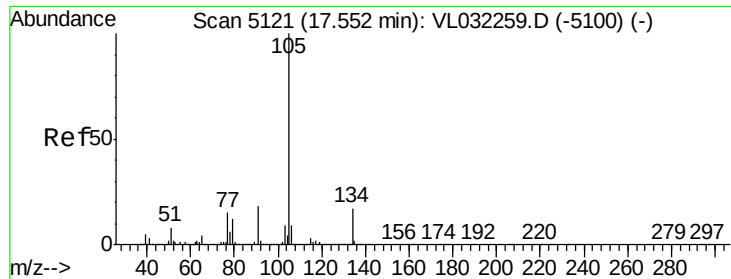
Tot Ion:119 Resp: 5603219
 Ion Ratio Lower Upper
 119 100
 91 84.3 68.2 102.4
 134 19.7 15.6 23.4



#66
 Benzyl Chloride
 Concen: 10.388 ppbv
 RT: 17.25 min Scan# 5027
 Delta R.T. 0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Tgt Ion: 91 Resp: 3708885
 Ion Ratio Lower Upper
 91 100
 126 16.7 13.4 20.2
 128 5.3 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.935 ppbv

RT: 17.55 min Scan# 5121

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

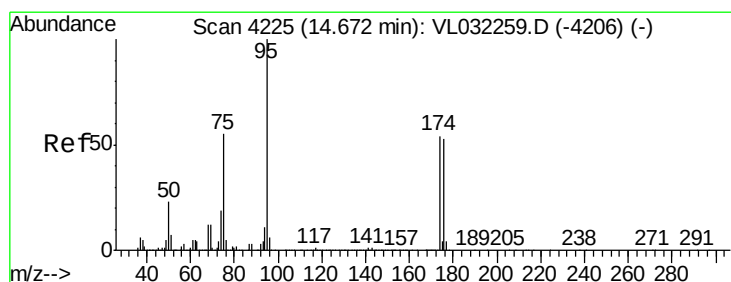
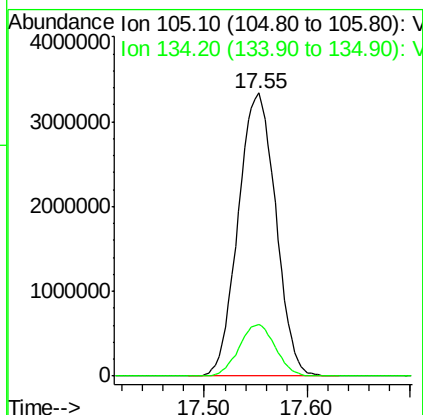
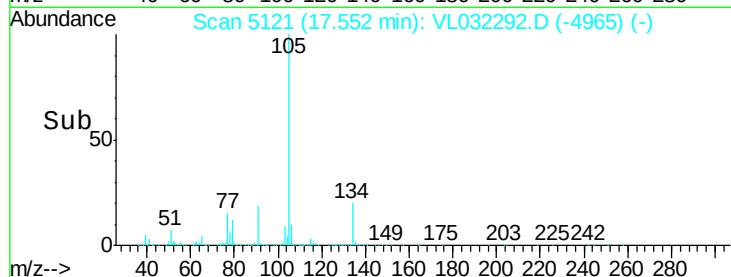
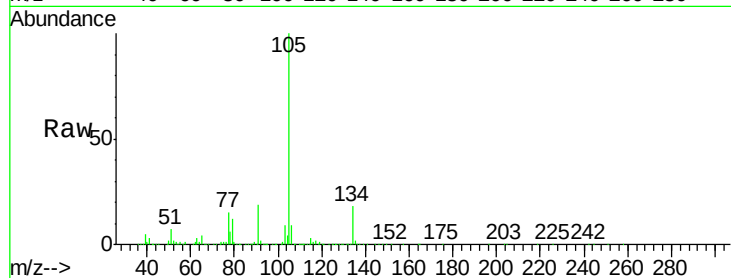
ClientSampleId :

Tot Ion:105 Resp: 8453201

Ion Ratio Lower Upper

105 100

134 17.7 14.0 21.0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.101 ppbv

RT: 14.67 min Scan# 4224

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

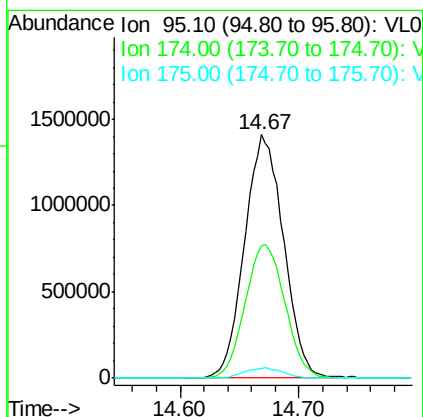
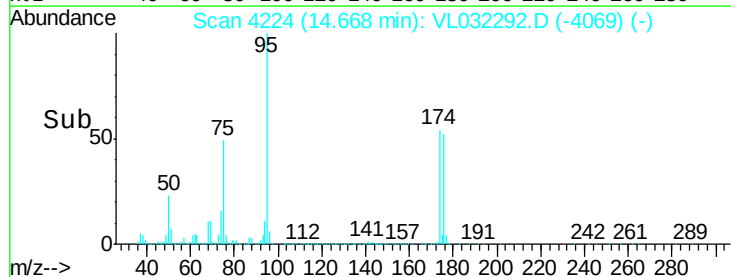
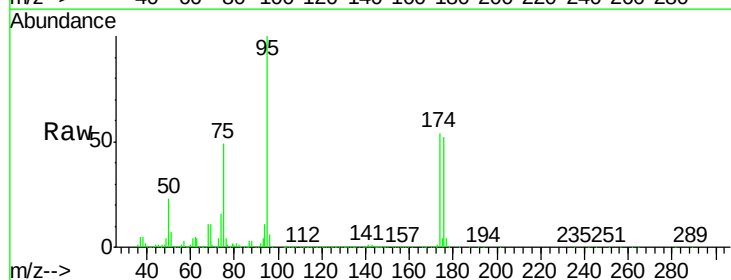
Tgt Ion: 95 Resp: 3199727

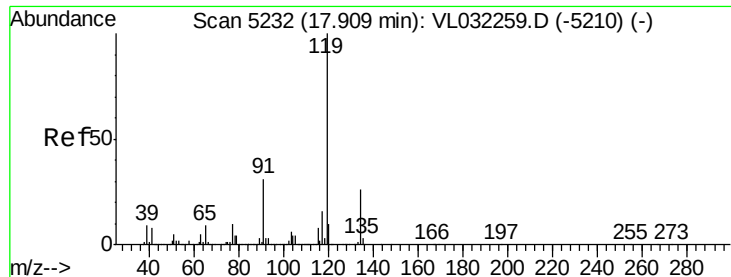
Ion Ratio Lower Upper

95 100

174 56.0 44.3 66.5

175 4.1 3.3 4.9

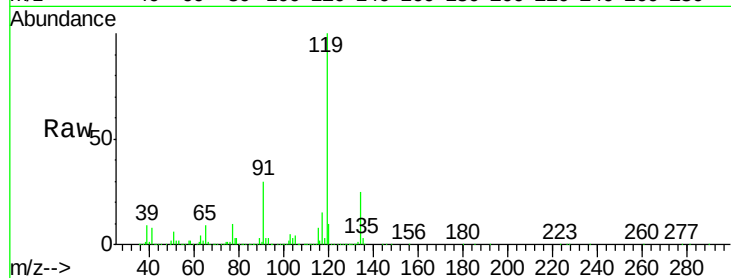




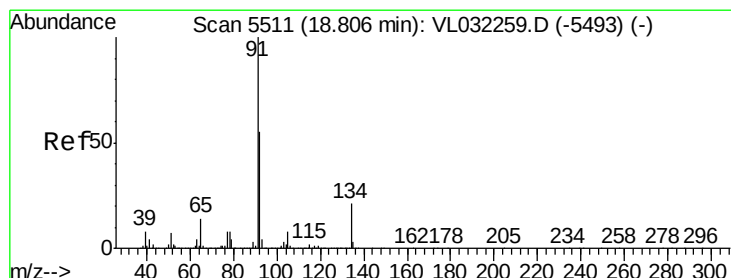
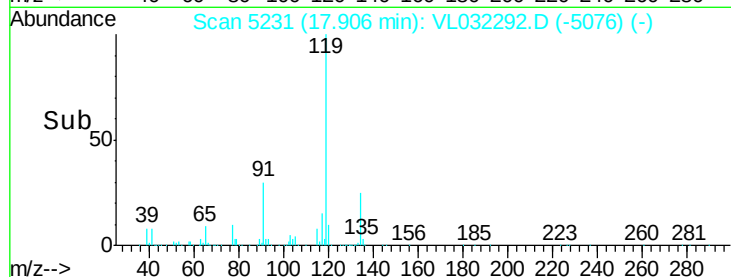
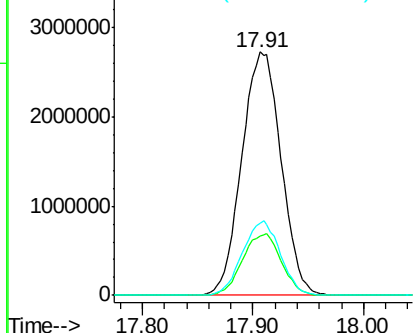
#69
 p-Isopropyltoluene
 Concen: 9.201 ppbv
 RT: 17.91 min Scan# 5231
 Delta R.T. -0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 6724526
 Ion Ratio Lower Upper
 119 100
 134 25.1 20.3 30.5
 91 29.5 24.1 36.1

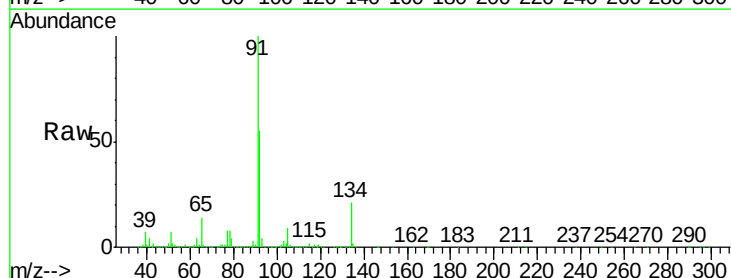


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

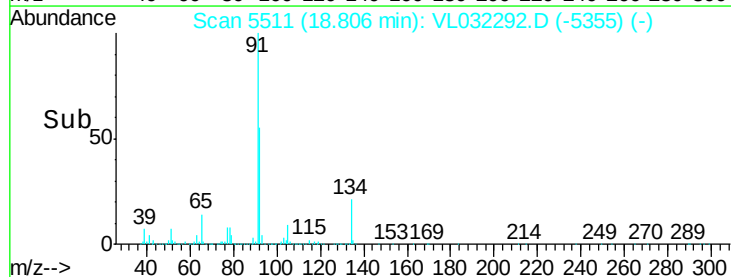
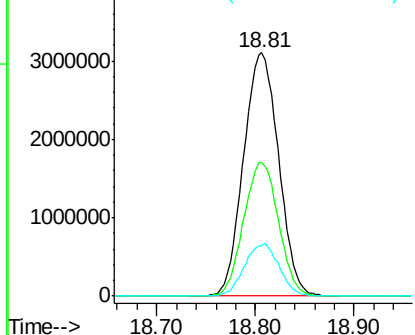


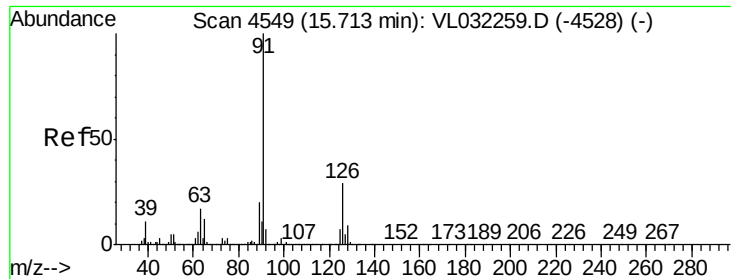
#70
 n-Butylbenzene
 Concen: 9.346 ppbv
 RT: 18.81 min Scan# 5511
 Delta R.T. 0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Tgt Ion: 91 Resp: 7619880
 Ion Ratio Lower Upper
 91 100
 92 54.5 43.8 65.6
 134 21.3 17.1 25.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.172 ppbv

RT: 15.71 min Scan# 4549

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Instrument :

MSVOA_L

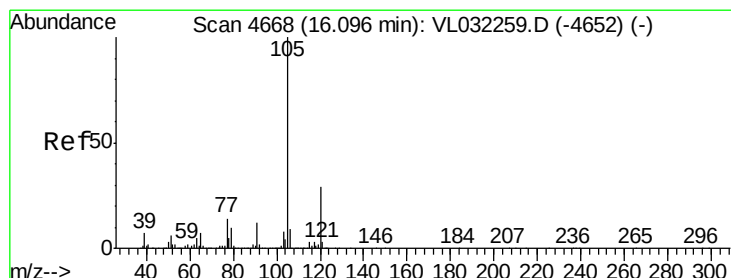
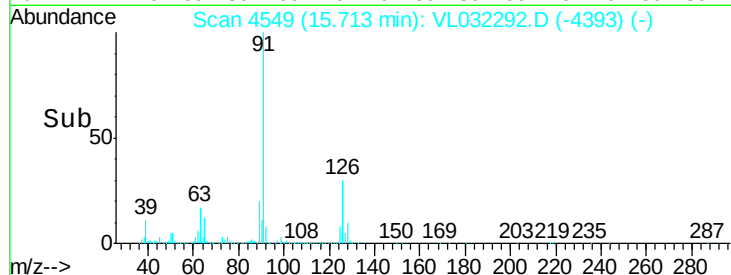
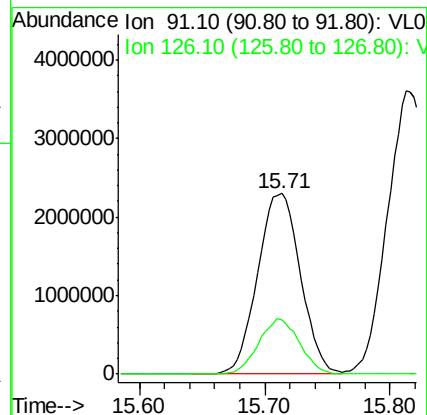
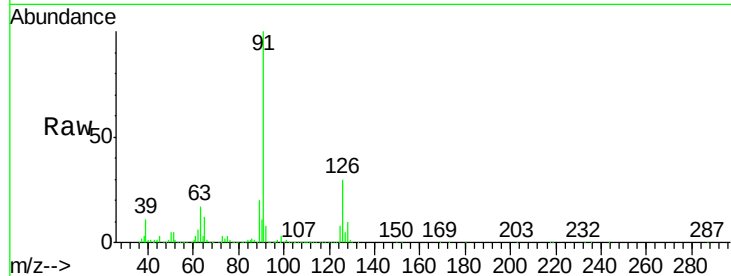
ClientSampleId :

Tot Ion: 91 Resp: 5471465

Ion Ratio Lower Upper

91 100

126 29.3 11.6 46.2



#72

4-Ethyltoluene

Concen: 9.563 ppbv

RT: 16.09 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Tgt Ion:105 Resp: 5735159

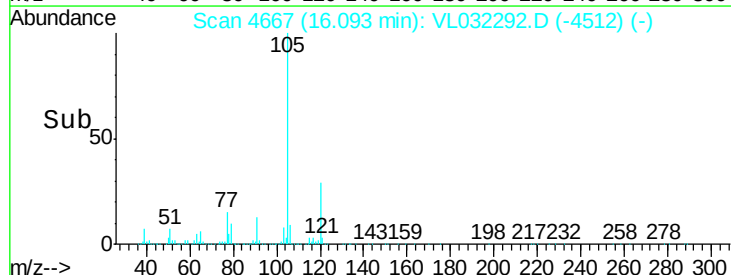
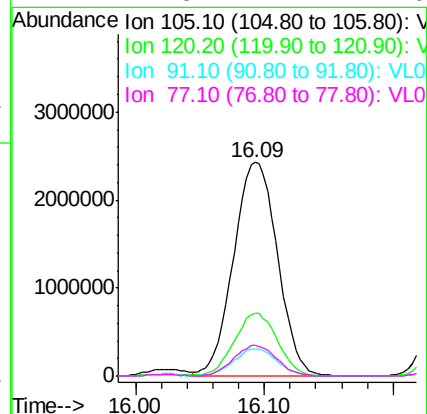
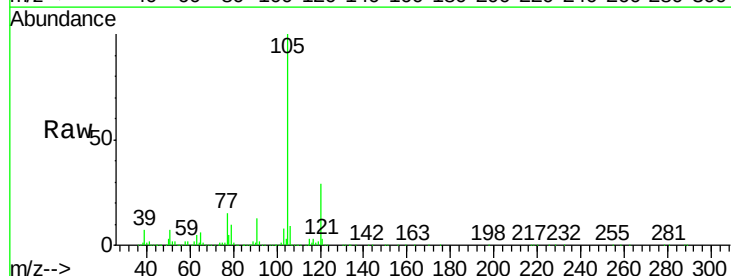
Ion Ratio Lower Upper

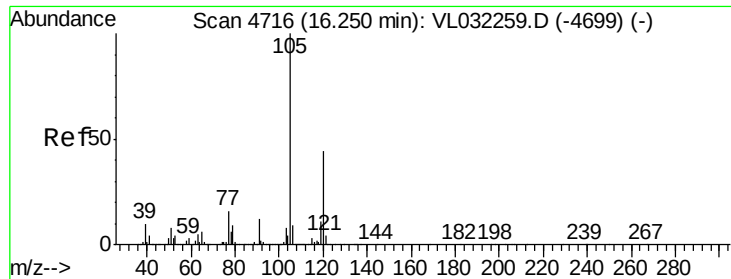
105 100

120 29.0 23.0 34.6

91 12.5 10.1 15.1

77 14.3 11.4 17.0

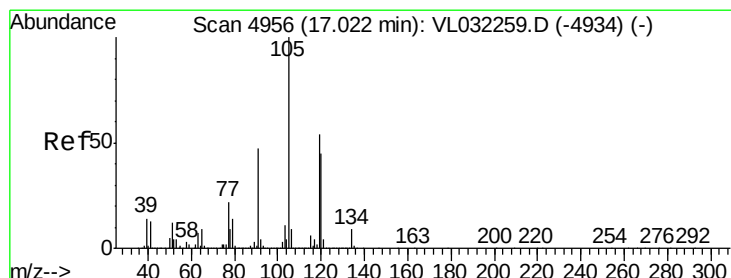
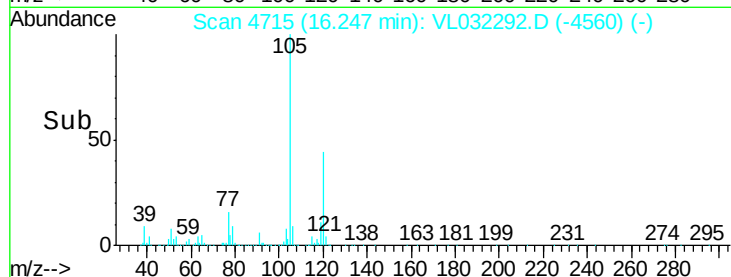
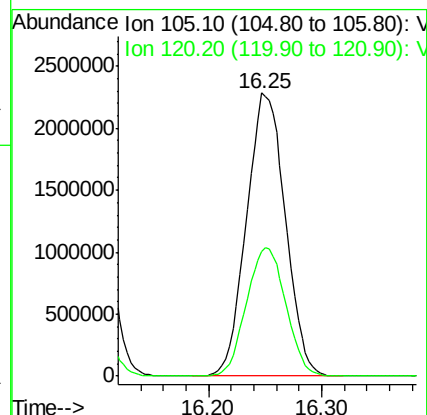
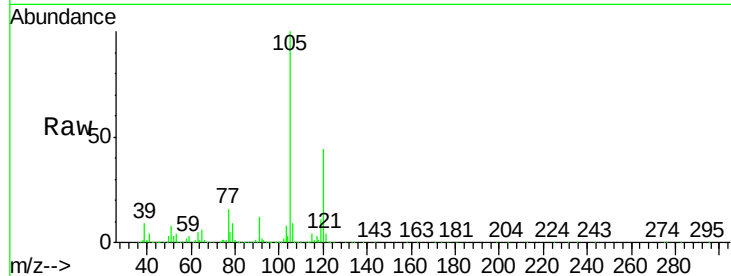




#73
 1,3,5-Trimethylbenzene
 Concen: 9.248 ppbv
 RT: 16.25 min Scan# 4715
 Delta R.T. -0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

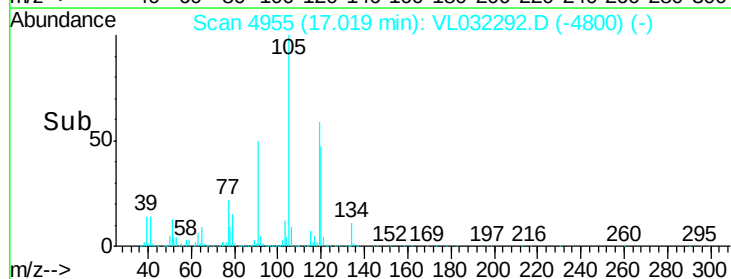
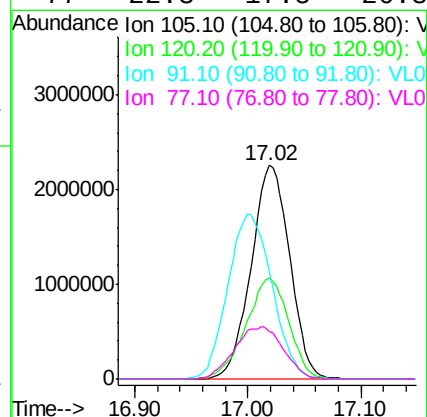
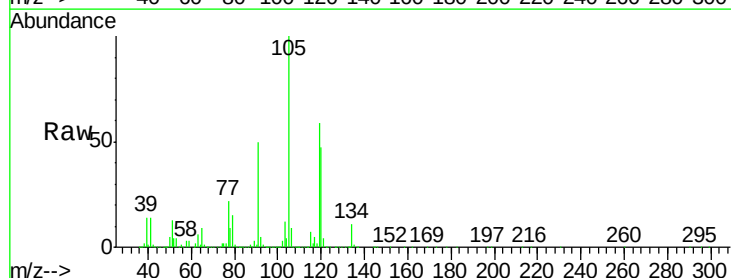
Instrument :
 MSVOA_L
 ClientSampleId :

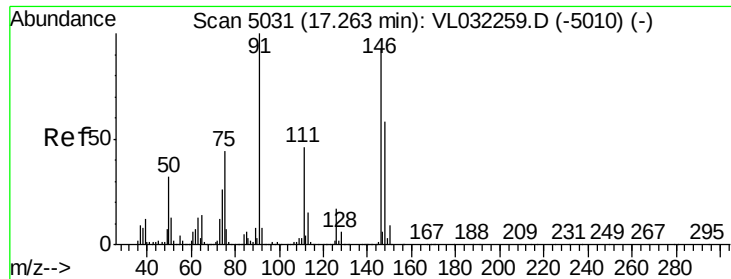
Tot Ion:105 Resp: 5423191
 Ion Ratio Lower Upper
 105 100
 120 44.0 35.5 53.3



#74
 1,2,4-Trimethylbenzene
 Concen: 8.699 ppbv
 RT: 17.02 min Scan# 4955
 Delta R.T. -0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Tgt Ion:105 Resp: 5340289
 Ion Ratio Lower Upper
 105 100
 120 47.0 35.8 53.6
 91 50.2 38.2 57.4
 77 22.3 17.5 26.3

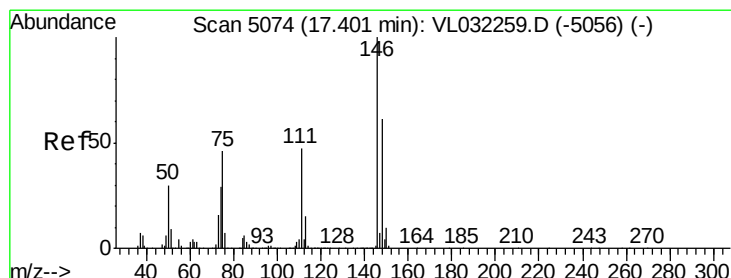
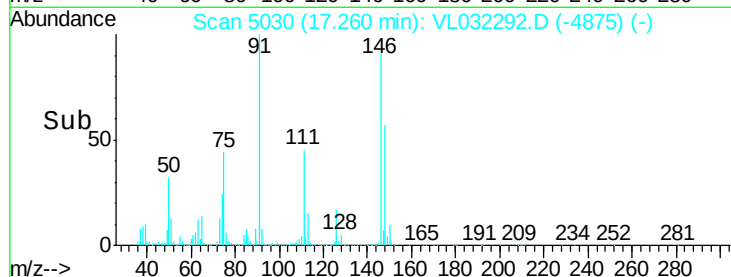
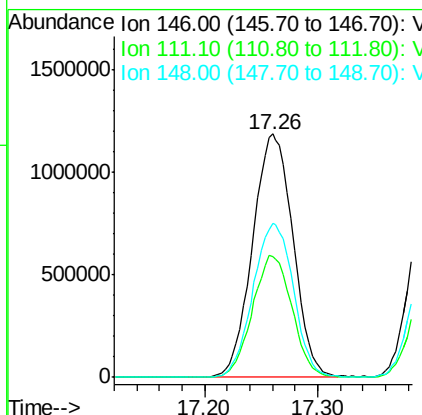
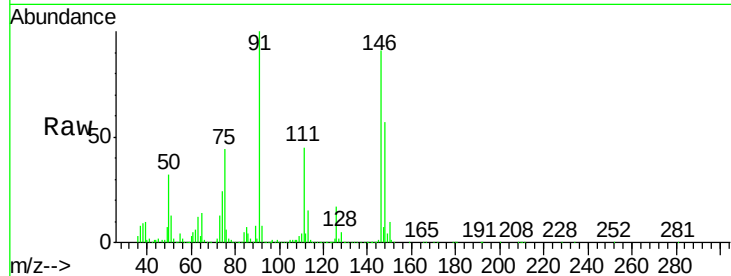




#75
 1,3-Dichlorobenzene
 Concen: 8.614 ppbv
 RT: 17.26 min Scan# 5030
 Delta R.T. -0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

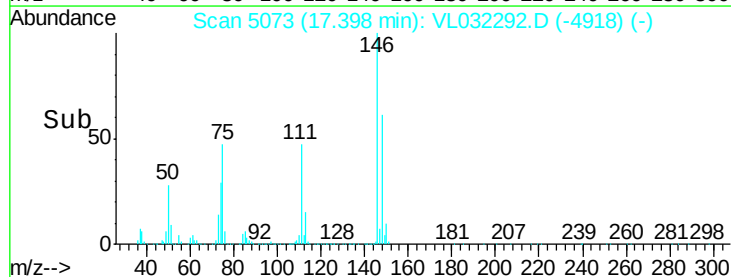
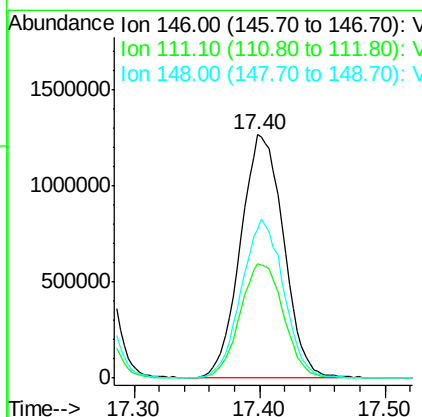
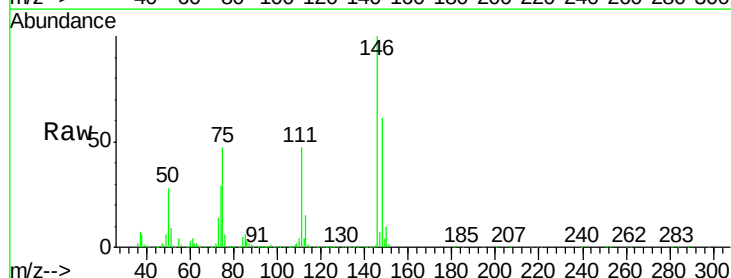
Instrument :
 MSVOA_L
 ClientSampleId :

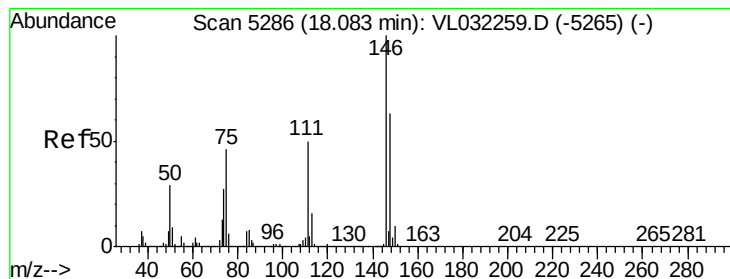
Tot Ion:146 Resp: 2938132
 Ion Ratio Lower Upper
 146 100
 111 49.2 25.1 75.4
 148 63.4 31.8 95.3



#76
 1,4-Dichlorobenzene
 Concen: 8.873 ppbv
 RT: 17.40 min Scan# 5073
 Delta R.T. -0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Tgt Ion:146 Resp: 3002138
 Ion Ratio Lower Upper
 146 100
 111 48.0 24.1 72.2
 148 64.4 31.9 95.9





#77

1,2-Dichlorobenzene

Concen: 8.830 ppbv

RT: 18.08 min Scan# 5286

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

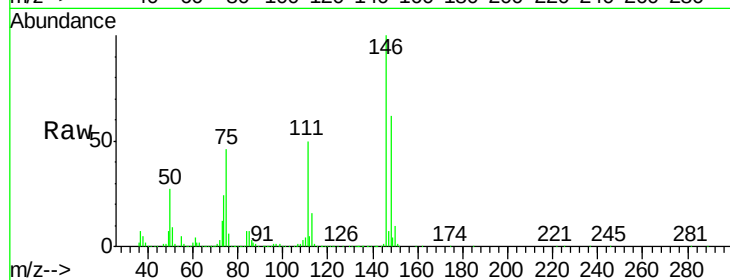
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:146 Resp: 2911667

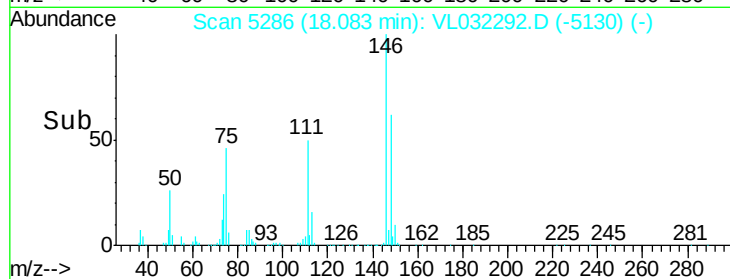
Ion	Ratio	Lower	Upper
146	100		
111	50.5	25.6	76.8
148	63.6	31.9	95.5



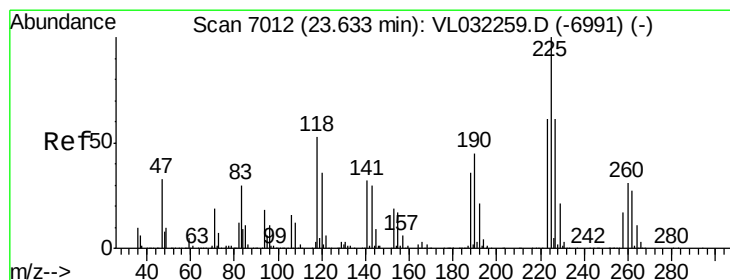
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#78

Hexachloro-1,3-Butadiene

Concen: 8.401 ppbv

RT: 23.63 min Scan# 7010

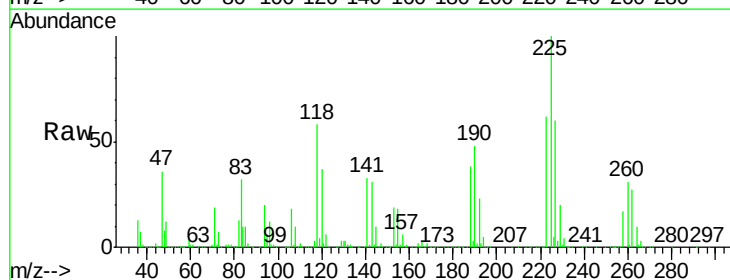
Delta R.T. -0.01 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Tgt Ion:225 Resp: 898009

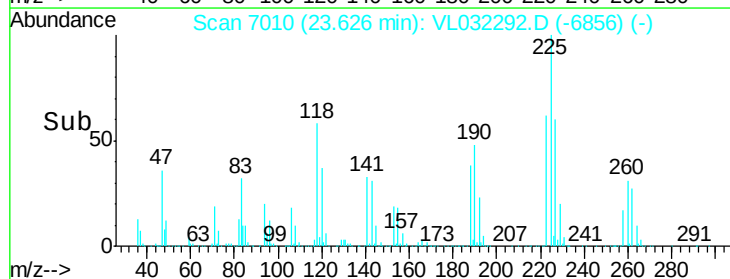
Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.6	75.8
227	62.8	51.5	77.3



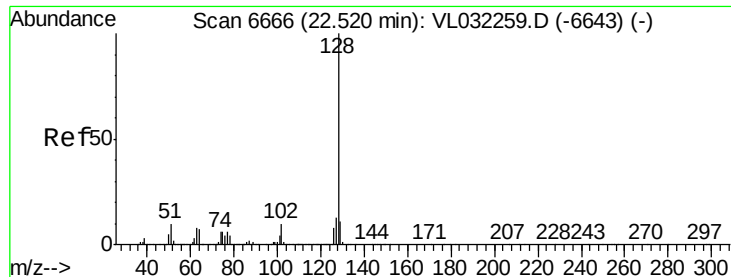
Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V



Time-->



#79

Naphthalene

Concen: 10.003 ppbv

RT: 22.52 min Scan# 6666

Delta R.T. 0.00 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

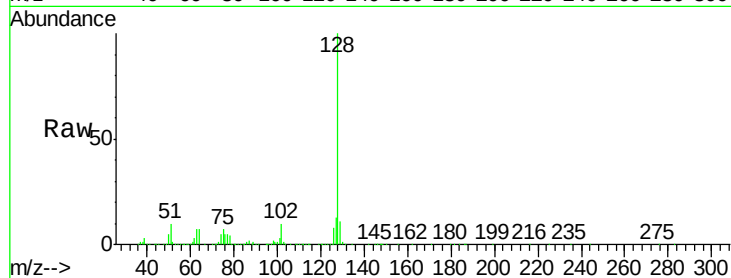
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:128 Resp: 5156785

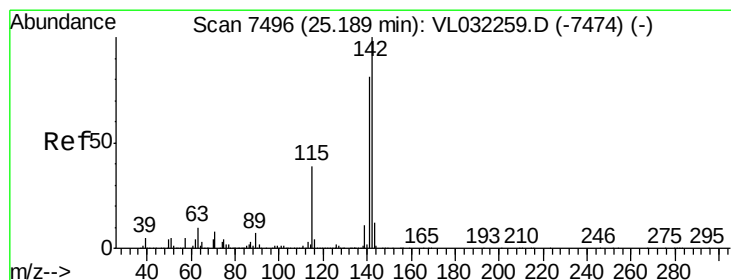
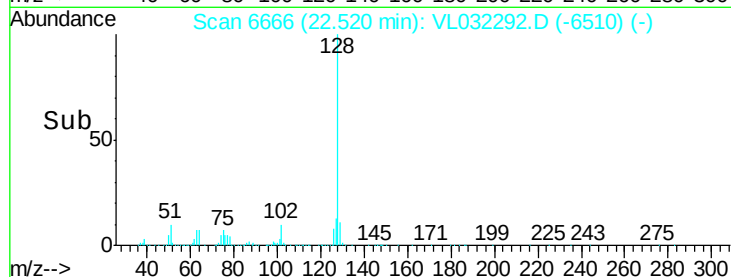
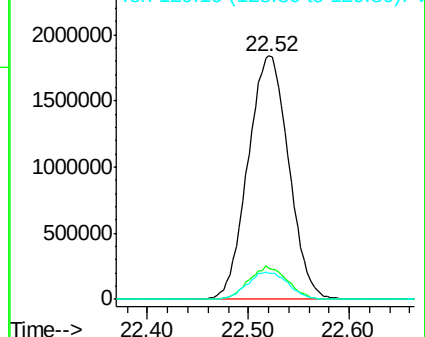
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.5	15.7
129	10.9	8.6	12.8



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: 11.428 ppbv

RT: 25.18 min Scan# 7494

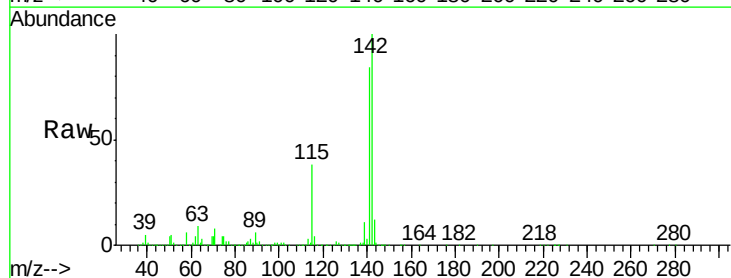
Delta R.T. -0.01 min

Lab File: VL032292.D

Acq: 19 Jul 2018 17:33

Tgt Ion:142 Resp: 2502733

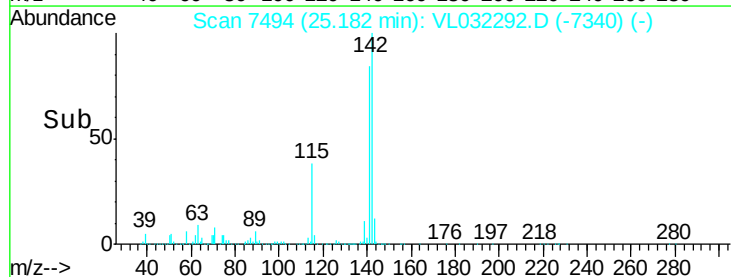
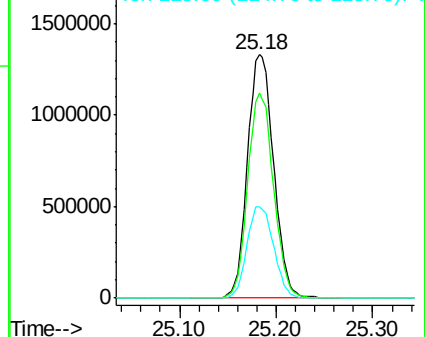
Ion	Ratio	Lower	Upper
142	100		
141	83.1	67.1	100.7
115	38.5	32.5	48.7

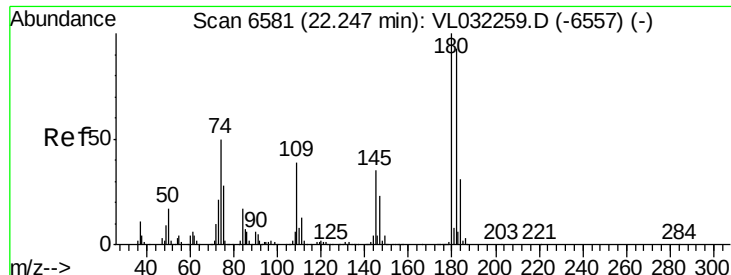


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

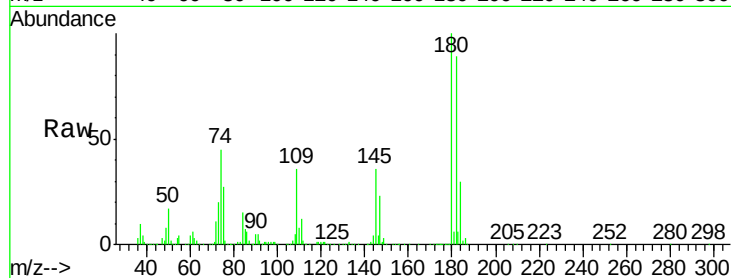




#81
 1,2,4-Trichlorobenzene
 Concen: 9.681 ppbv
 RT: 22.25 min Scan# 6581
 Delta R.T. 0.00 min
 Lab File: VL032292.D
 Acq: 19 Jul 2018 17:33

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2433463
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.6 114.8
 184 30.3 24.4 36.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

