

Data File : VL032774.D
Acq On : 15 Nov 2018 00:57
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Nov 15 05:03:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1573209	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	4099983	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	4054386	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2886621	9.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	1996009	8.826	ppbv	100
3) Chlorodifluoromethane	3.02	51	1145592	9.185	ppbv	98
4) Chloromethane	3.17	50	651722	9.423	ppbv	97
5) Vinyl Chloride	3.30	62	661909	9.032	ppbv	97
6) Bromomethane	3.52	94	417991	9.324	ppbv	95
7) Chloroethane	3.61	64	245233	9.285	ppbv	96
8) Dichlorotetrafluoroethane	3.23	85	1559757	8.753	ppbv	99
9) Propene	3.04	41	513693	10.292	ppbv	99
10) Heptane	8.26	43	1987858	10.432	ppbv	98
11) Trichlorofluoromethane	4.01	101	1729117	8.114	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1475354	8.475	ppbv	100
13) Ethanol	3.66	45	112658	6.891	ppbv	95
14) Bromoethene	3.80	108	546787	9.468	ppbv	99
15) Acetone	3.91	43	1134132	7.894	ppbv	99
16) 1,3-Butadiene	3.37	39	559347	10.053	ppbv	96
17) tert-Butyl alcohol	4.37	59	473541	10.509	ppbv	100
18) 1,1-Dichloroethene	4.36	96	822980	9.614	ppbv	99
19) Isopropyl Alcohol	4.03	45	828294	8.654	ppbv	99
20) Methylene Chloride	4.42	84	706394	9.497	ppbv	97
21) Allyl Chloride	4.48	41	1341624	11.112	ppbv	98
22) trans-1,2-Dichloroethene	4.97	96	765747	9.161	ppbv	96
23) Vinyl Acetate	5.16	43	2732428	10.433	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1959121	9.409	ppbv	99
25) Ethyl Acetate	5.78	43	3221216	9.620	ppbv	99
26) Hexane	5.79	57	1481942	9.942	ppbv	99
27) Carbon Disulfide	4.62	76	1930634	10.215	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2496558	10.503	ppbv	99
29) Chloroform	5.86	83	2410837	9.075	ppbv	97
30) Cyclohexane	7.26	84	1368199	10.495	ppbv	99
31) cis-1,2-Dichloroethene	5.65	61	1545070	10.310	ppbv	99
32) 1,1,1-Trichloroethane	6.63	97	2620659	8.999	ppbv	99
34) 2-Butanone	5.34	43	2096838	9.860	ppbv	98
35) Carbon Tetrachloride	7.14	117	2787638	8.458	ppbv	98
36) Benzene	7.01	78	3290832	10.079	ppbv	99
37) 1,2-Dichloroethane	6.42	62	1970343	8.965	ppbv	98
38) Trichloroethene	7.97	130	1254304	9.493	ppbv	95
39) 1,2-Dichloropropane	7.74	63	1247969	10.032	ppbv	98
40) 1,4-Dioxane	7.96	88	448130	10.086	ppbv	88
41) Tetrahydrofuran	6.16	42	1294581	10.613	ppbv	100
42) Bromodichloromethane	7.93	83	2759734	9.263	ppbv	99
43) Methyl Methacrylate	8.14	69	1295716	10.630	ppbv	98

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ClientSampleId :
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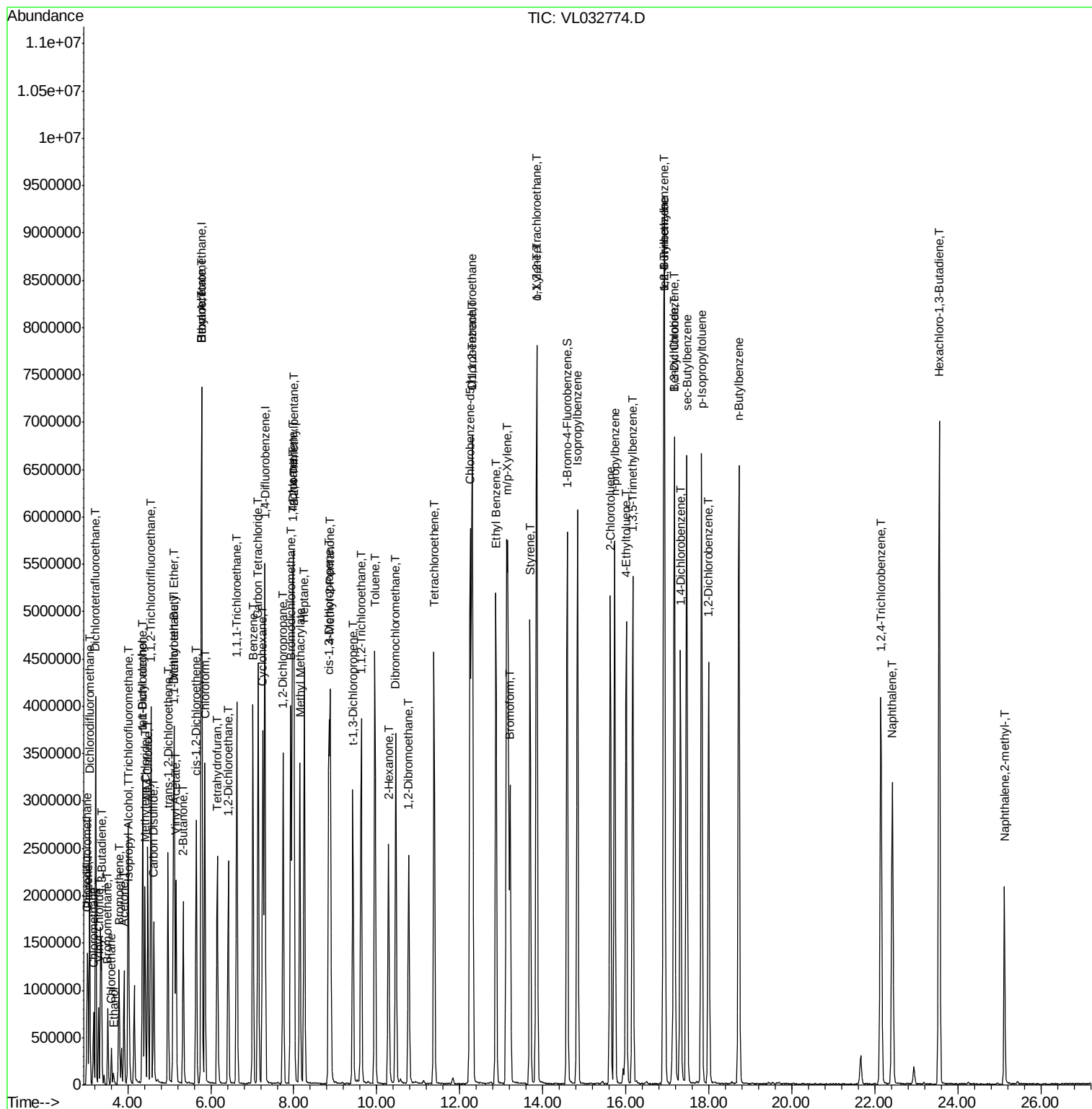
Quant Time: Nov 15 05:03:19 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
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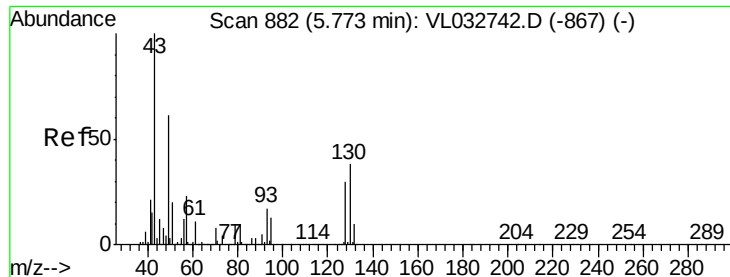
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	5347967	9.802	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	1879402	11.491	ppbv	96
46) cis-1,3-Dichloropropene	8.84	75	2159278	10.928	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	1394567	9.481	ppbv	98
48) Dibromochloromethane	10.46	129	2343574	9.374	ppbv	100
49) Bromoform	13.21	173	1850067	8.961	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	3293907	9.917	ppbv	99
51) 2-Hexanone	10.28	43	2336509	10.919	ppbv	100
52) Tetrachloroethene	11.38	164	1108088	9.757	ppbv	96
53) Toluene	9.95	91	3700351	10.864	ppbv	99
54) 1,2-Dibromoethane	10.77	107	2022935	9.729	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1628389	8.611	ppbv	99
57) Chlorobenzene	12.31	112	2732955	8.806	ppbv	99
58) Ethyl Benzene	12.87	91	4868689	9.978	ppbv	99
59) m/p-Xylene	13.13	91	3916893	9.017	ppbv #	31
60) o-Xylene	13.86	91	3881730	8.888	ppbv	99
61) Styrene	13.69	104	2960784	10.414	ppbv	99
62) Isopropylbenzene	14.83	105	5448559	9.229	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2614612	7.679	ppbv	100
64) n-propylbenzene	15.73	120	1385258	8.921	ppbv	98
65) tert-Butylbenzene	16.92	119	4649731	8.786	ppbv	99
66) Benzyl Chloride	17.16	91	2700240	9.229	ppbv	100
67) sec-Butylbenzene	17.47	105	6618761	8.678	ppbv	100
69) p-Isopropyltoluene	17.82	119	5444628	8.978	ppbv	99
70) n-Butylbenzene	18.72	91	5600414	9.095	ppbv	100
71) 2-Chlorotoluene	15.62	91	4058383	9.218	ppbv	100
72) 4-Ethyltoluene	16.01	105	4388498	9.167	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	4145840	8.858	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	4203925	8.393	ppbv #	92
75) 1,3-Dichlorobenzene	17.17	146	2354836	8.196	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2356841	8.782	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	2344834	8.822	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1738810	12.122	ppbv	100
79) Naphthalene	22.42	128	4207688	12.788	ppbv	99
80) Naphthalene,2-methyl-	25.12	142	1123259	13.630	ppbv	98
81) 1,2,4-Trichlorobenzene	22.14	180	1961986	11.874	ppbv	99

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. -0.00 min

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ClientSampleId :

VSTDCCC010EC

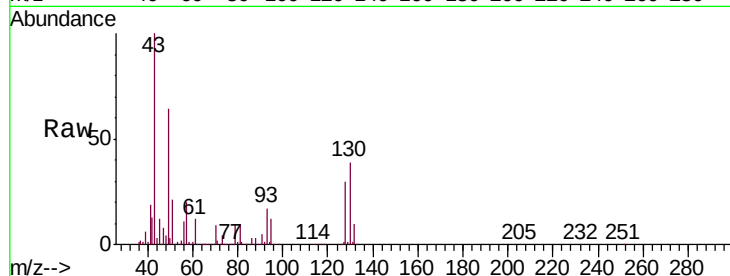
Tgt Ion: 49 Resp: 1573209

Ion Ratio Lower Upper

49 100

128 50.0 24.9 74.6

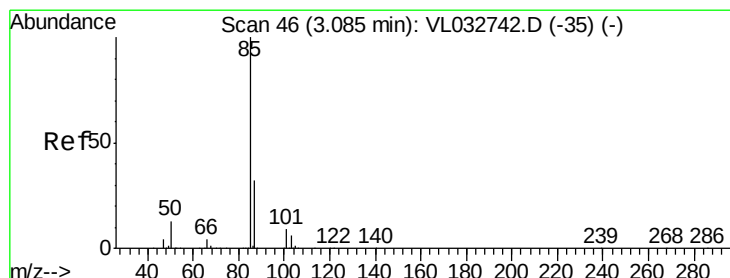
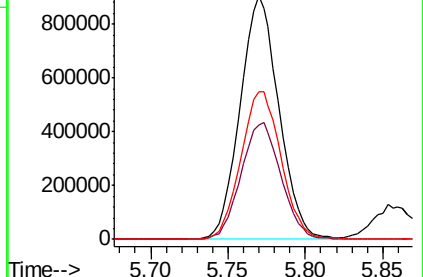
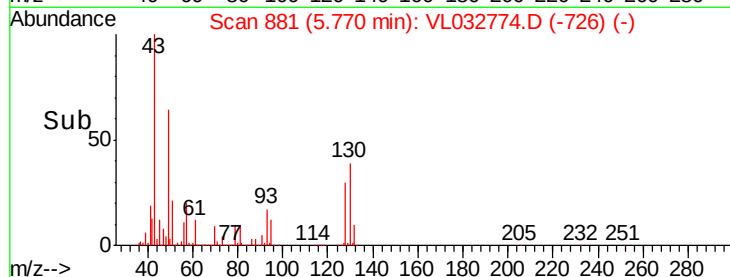
130 63.6 31.4 94.2



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: 8.826 ppbv

RT: 3.08 min Scan# 45

Delta R.T. -0.00 min

Lab File: VL032774.D

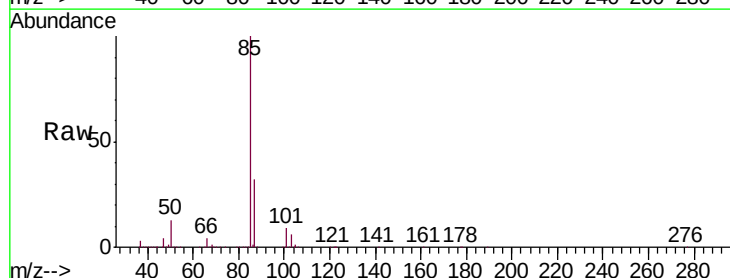
Acq: 15 Nov 2018 00:57

Tgt Ion: 85 Resp: 1996009

Ion Ratio Lower Upper

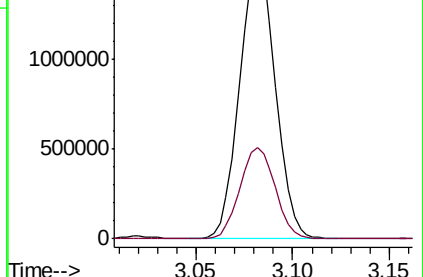
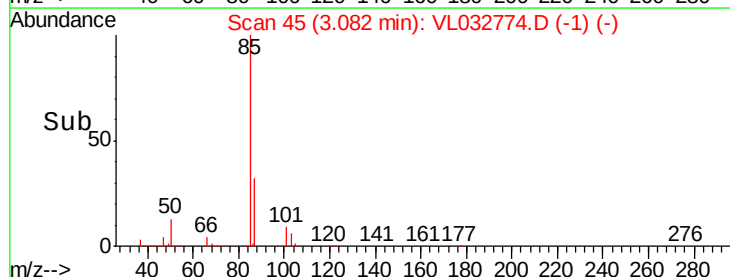
85 100

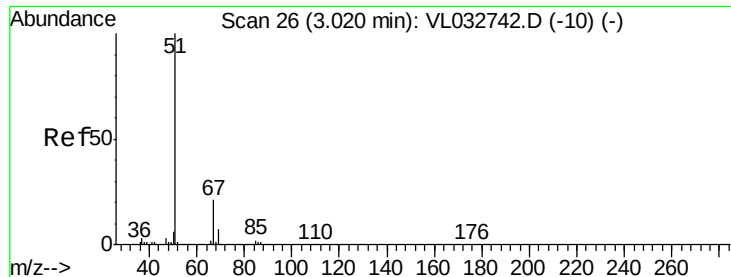
87 32.4 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.185 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

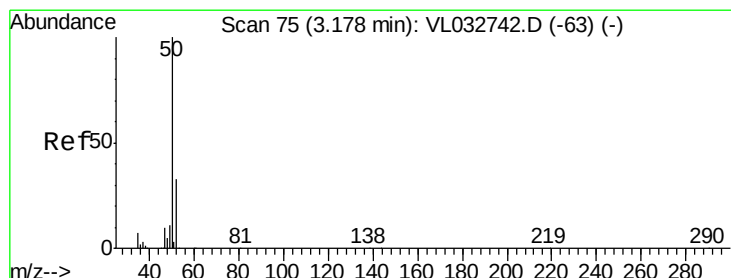
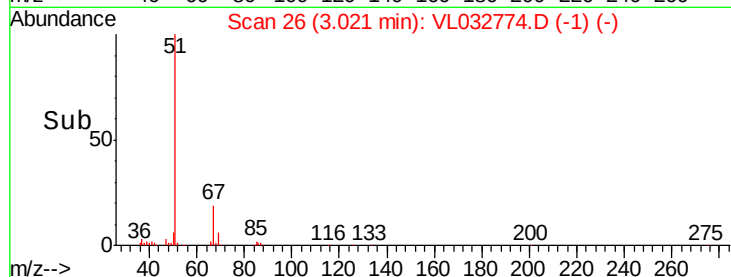
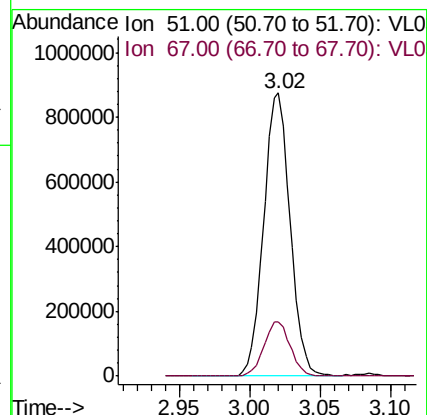
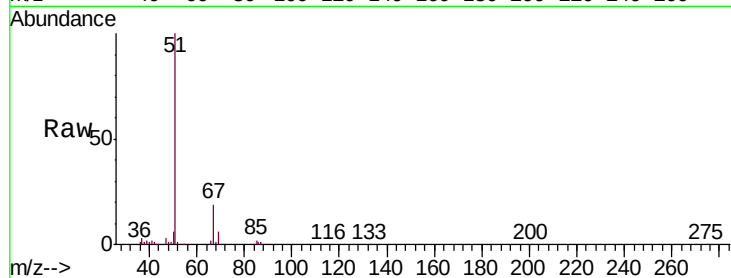
VSTDCCC010EC

Tgt Ion: 51 Resp: 1145592

Ion Ratio Lower Upper

51 100

67 19.3 16.1 24.1



#4

Chloromethane

Concen: 9.423 ppbv

RT: 3.17 min Scan# 74

Delta R.T. -0.00 min

Lab File: VL032774.D

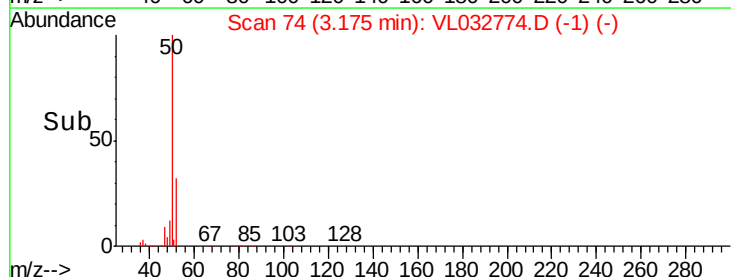
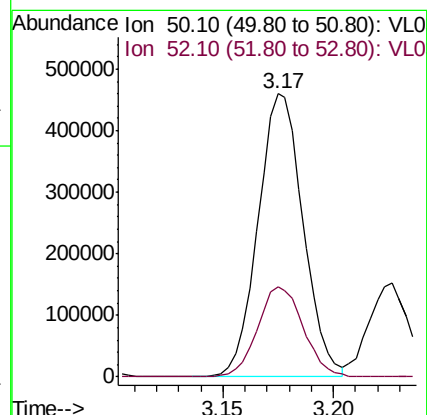
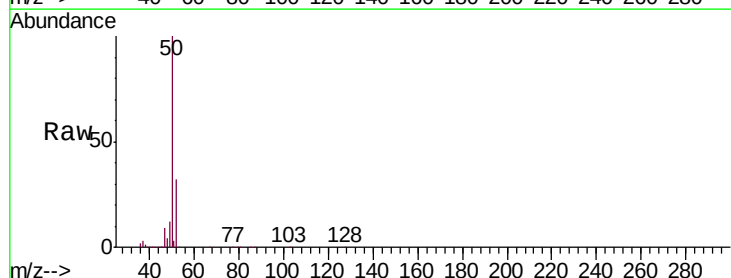
Acq: 15 Nov 2018 00:57

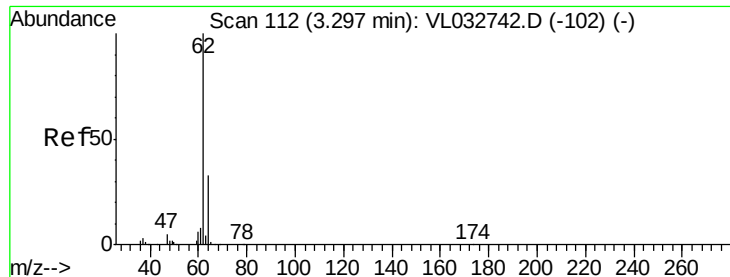
Tgt Ion: 50 Resp: 651722

Ion Ratio Lower Upper

50 100

52 31.7 26.6 40.0





#5

Vinyl Chloride

Concen: 9.032 ppbv

RT: 3.30 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

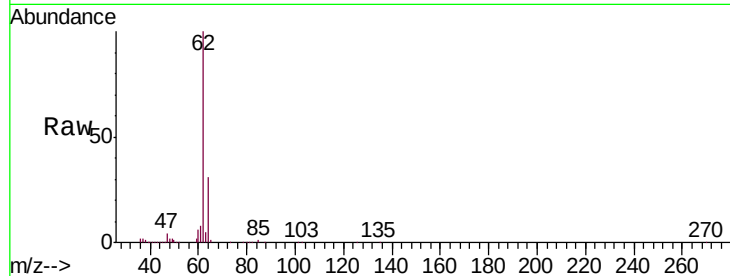
VSTDCCC010EC

Tgt Ion: 62 Resp: 661909

Ion Ratio Lower Upper

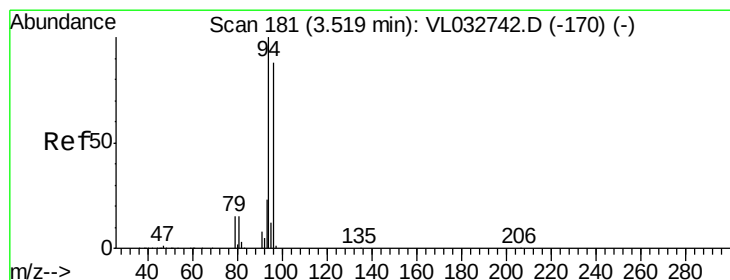
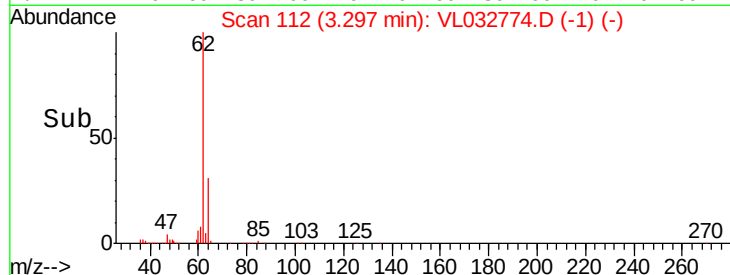
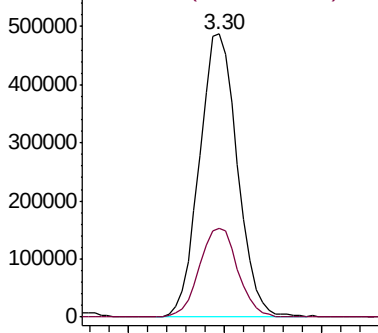
62 100

64 31.4 26.2 39.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.324 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL032774.D

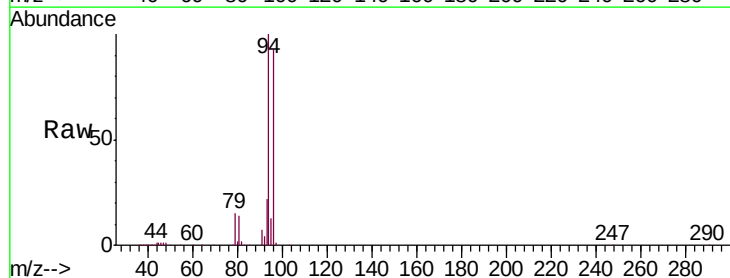
Acq: 15 Nov 2018 00:57

Tgt Ion: 94 Resp: 417991

Ion Ratio Lower Upper

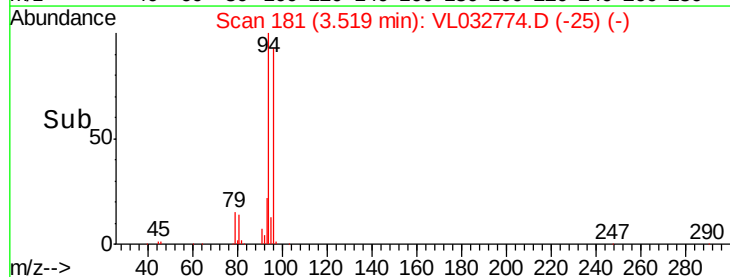
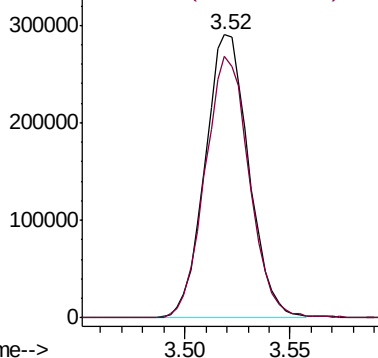
94 100

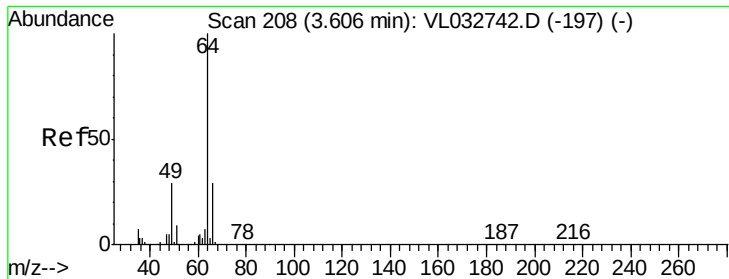
96 92.5 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.285 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

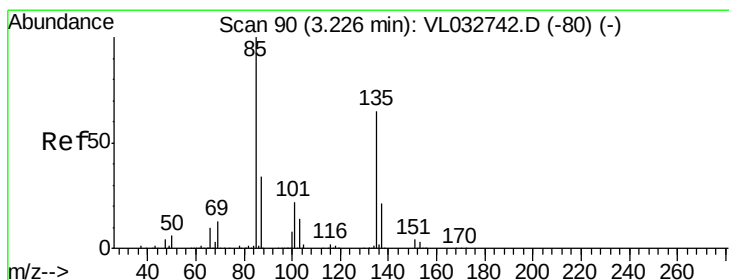
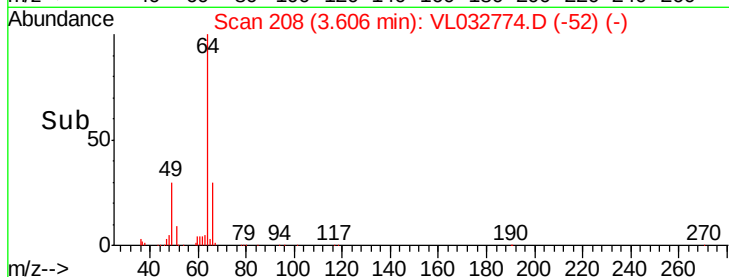
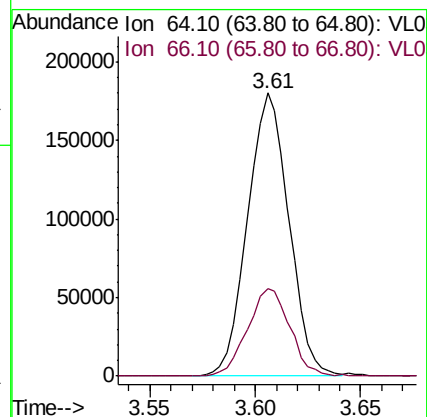
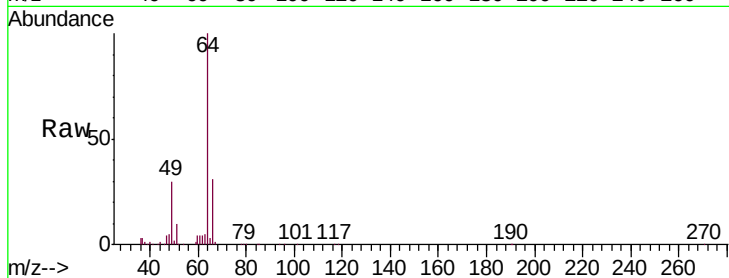
VSTDCCC010EC

Tgt Ion: 64 Resp: 245233

Ion Ratio Lower Upper

64 100

66 31.1 23.2 34.8



#8

Dichlorotetrafluoroethane

Concen: 8.753 ppbv

RT: 3.23 min Scan# 90

Delta R.T. 0.00 min

Lab File: VL032774.D

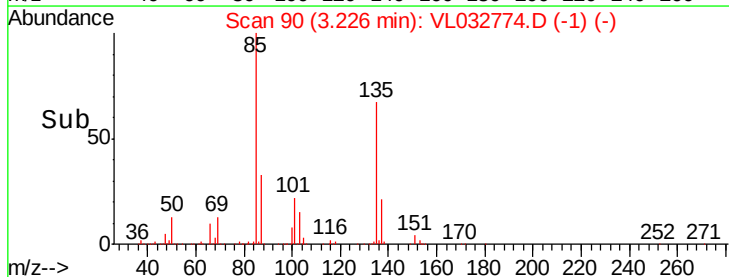
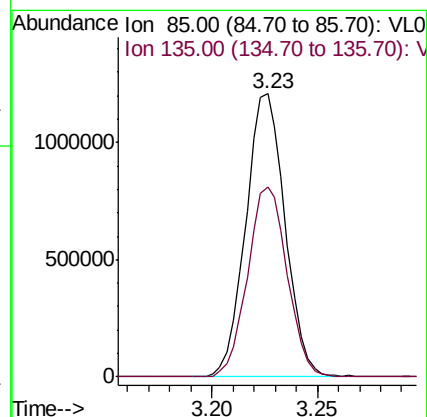
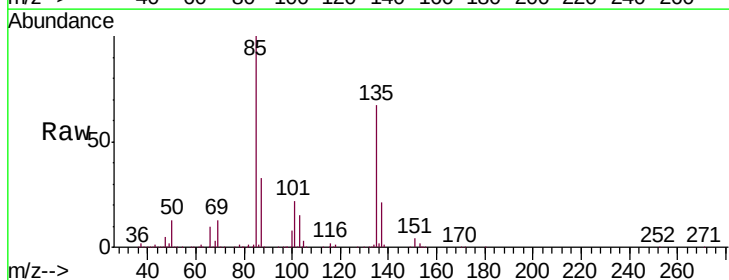
Acq: 15 Nov 2018 00:57

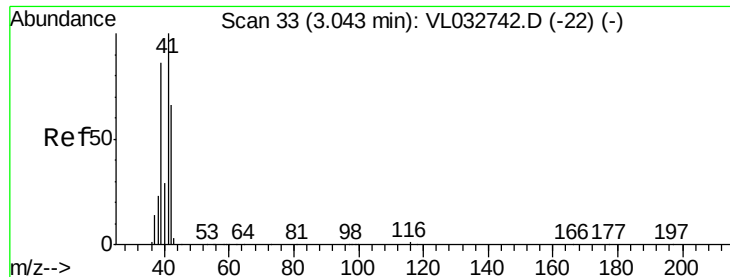
Tgt Ion: 85 Resp: 1559757

Ion Ratio Lower Upper

85 100

135 68.0 53.8 80.8





#9

Propene

Concen: 10.292 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

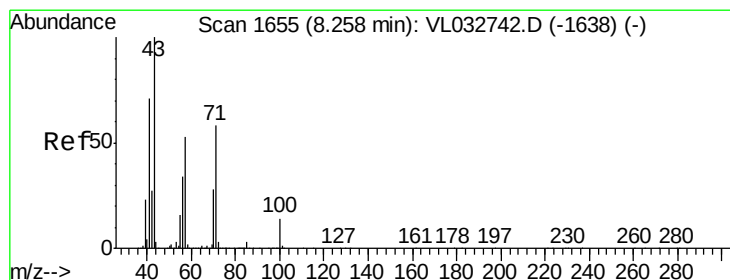
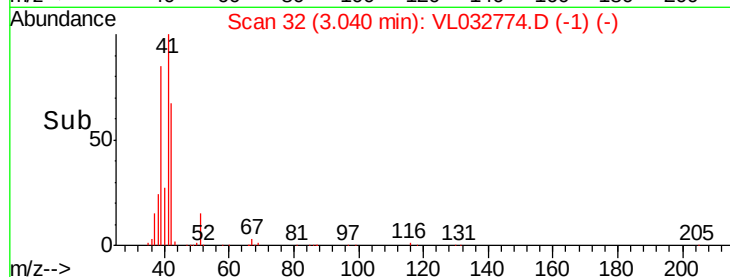
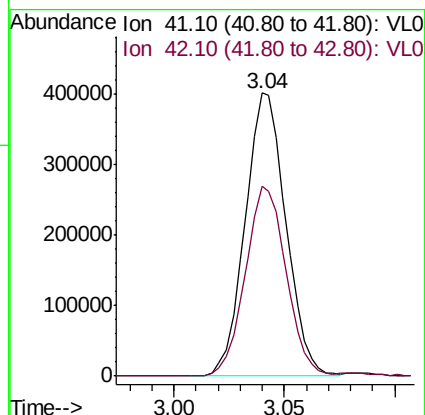
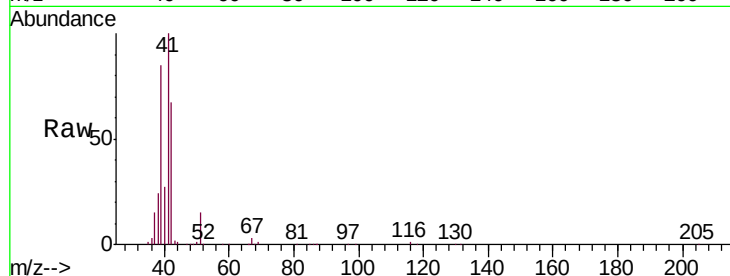
VSTDCCC010EC

Tgt Ion: 41 Resp: 513693

Ion Ratio Lower Upper

41 100

42 68.3 55.0 82.6



#10

Heptane

Concen: 10.432 ppbv

RT: 8.26 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL032774.D

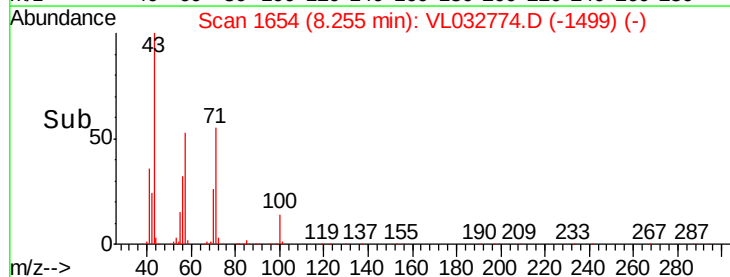
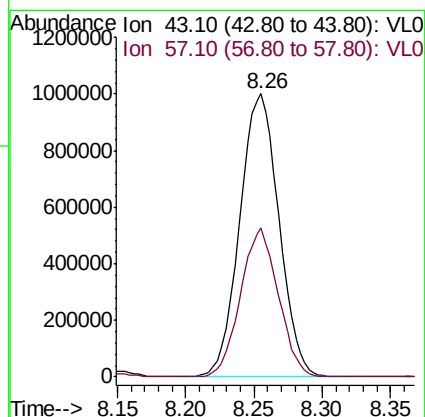
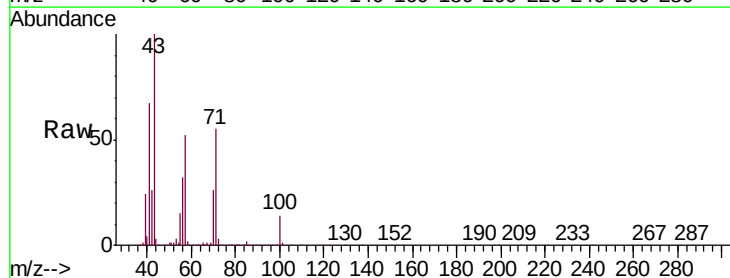
Acq: 15 Nov 2018 00:57

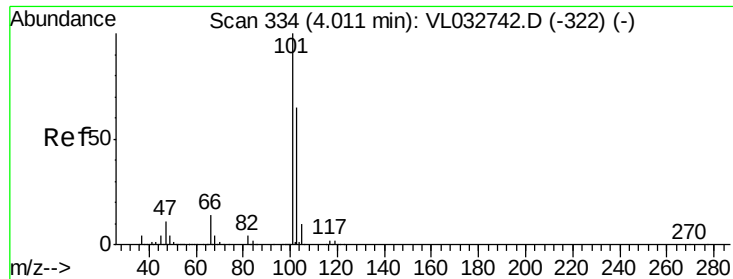
Tgt Ion: 43 Resp: 1987858

Ion Ratio Lower Upper

43 100

57 50.9 41.8 62.8

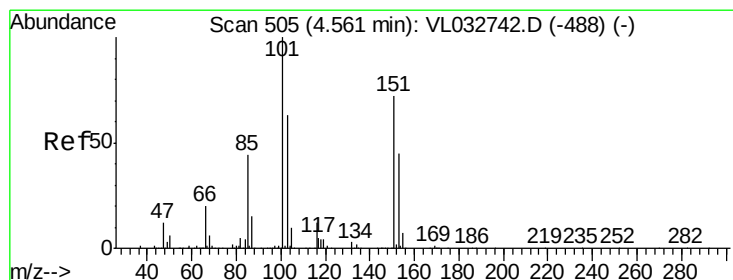
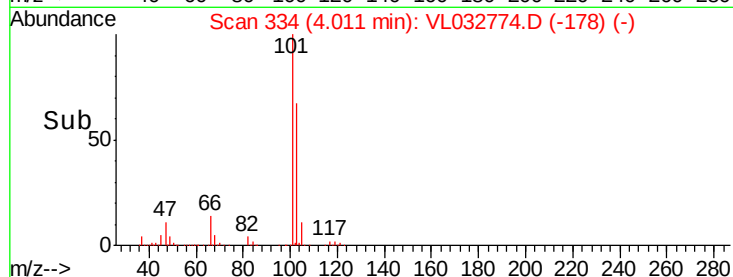
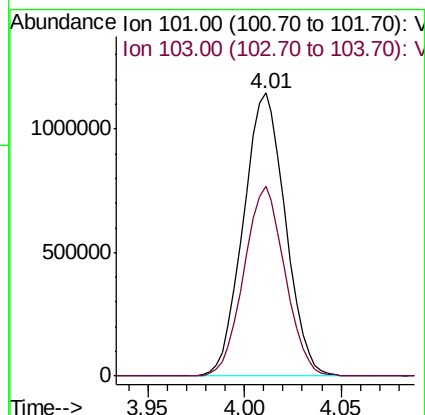
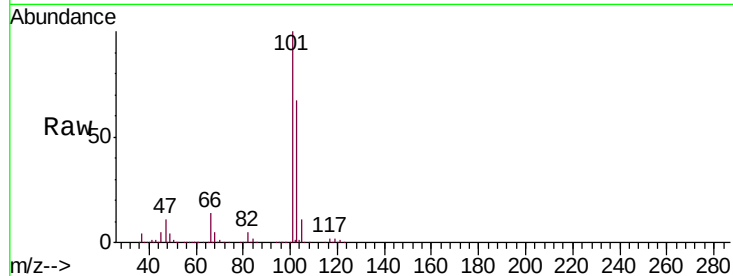




#11
 Trichlorofluoromethane
 Concen: 8.114 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

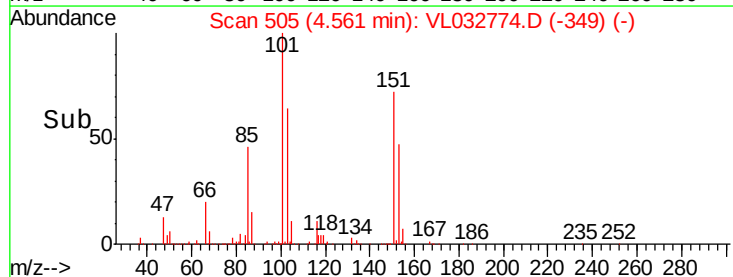
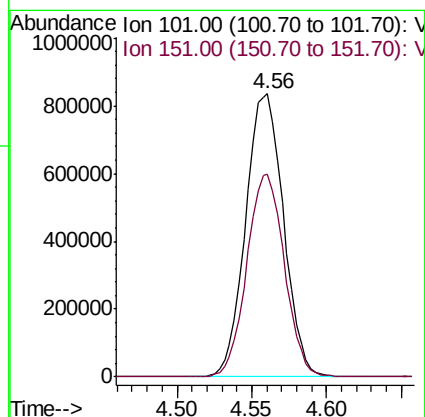
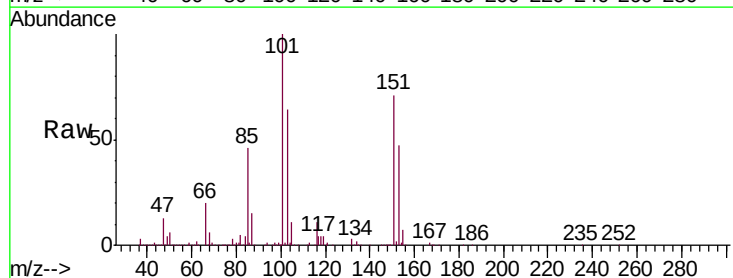
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

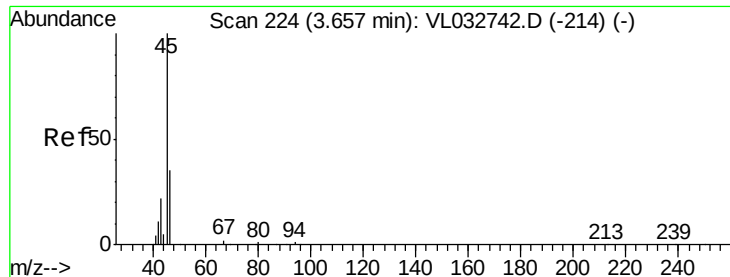
Tgt Ion:101 Resp: 1729117
 Ion Ratio Lower Upper
 101 100
 103 67.1 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.475 ppbv
 RT: 4.56 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

Tgt Ion:101 Resp: 1475354
 Ion Ratio Lower Upper
 101 100
 151 71.1 56.7 85.1





#13

Ethanol

Concen: 6.891 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

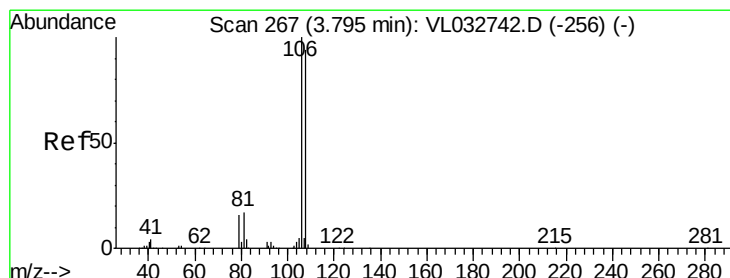
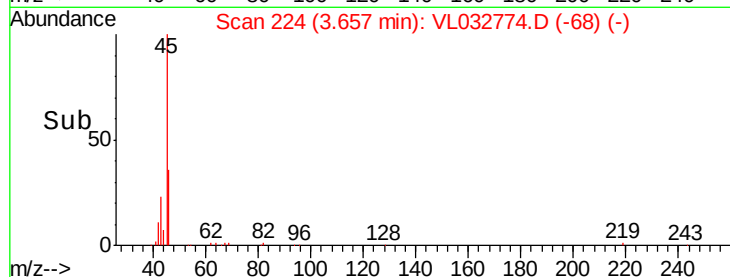
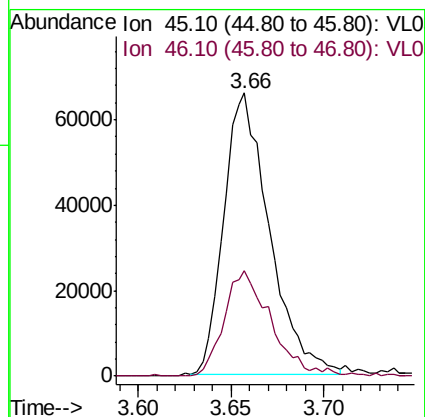
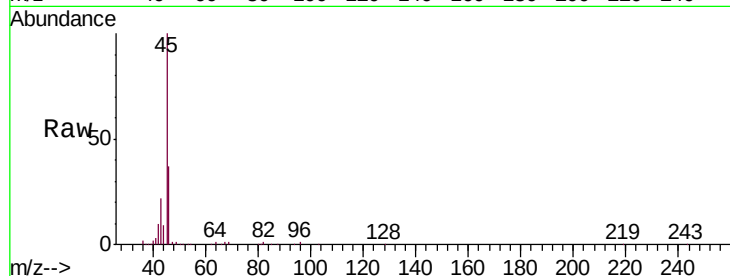
VSTDCCC010EC

Tgt Ion: 45 Resp: 112658

Ion Ratio Lower Upper

45 100

46 38.9 14.5 57.9



#14

Bromoethene

Concen: 9.468 ppbv

RT: 3.80 min Scan# 267

Delta R.T. 0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

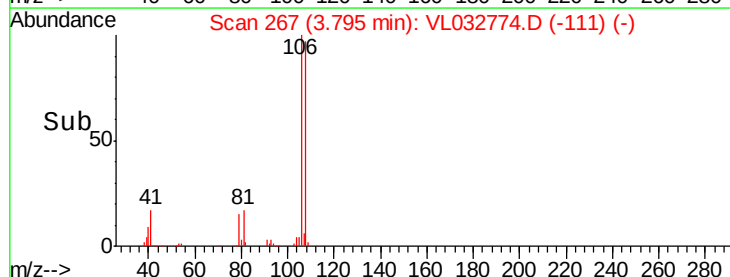
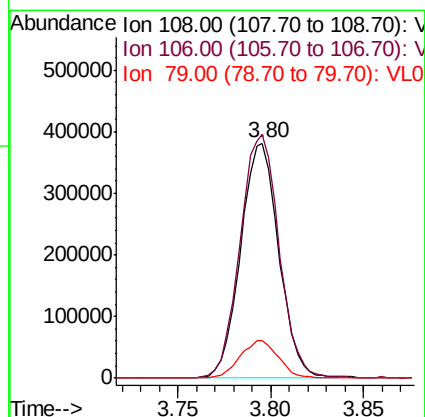
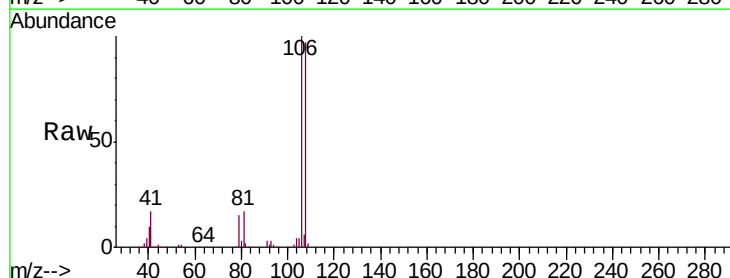
Tgt Ion: 108 Resp: 546787

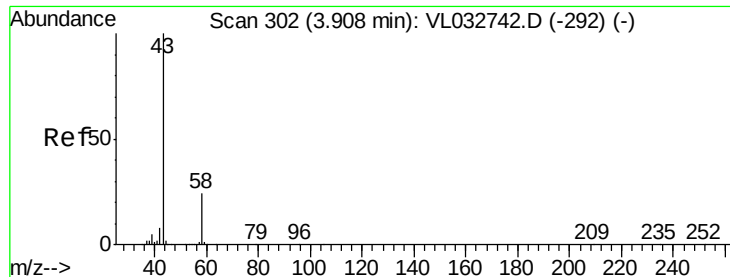
Ion Ratio Lower Upper

108 100

106 106.4 84.9 127.3

79 16.7 14.2 21.4





#15

Acetone

Concen: 7.894 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

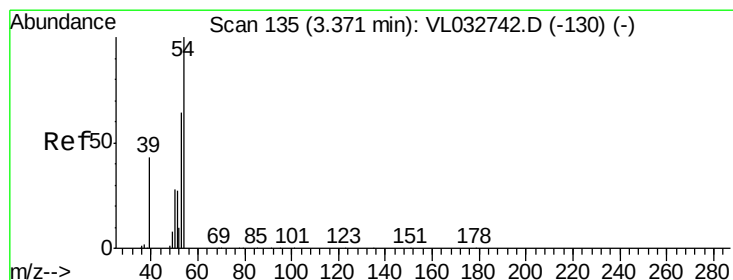
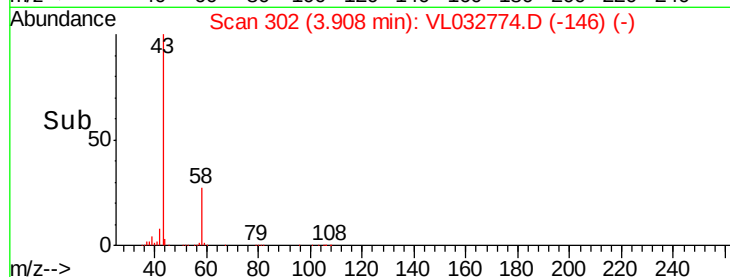
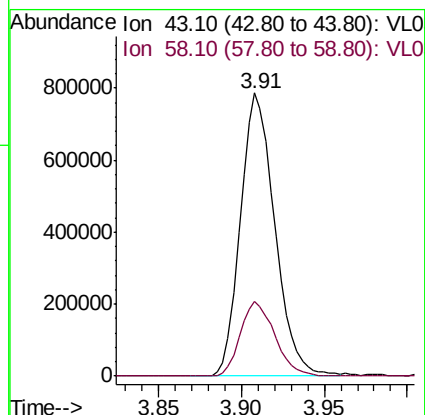
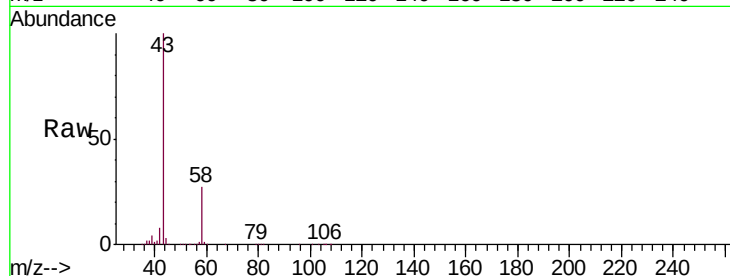
VSTDCCC010EC

Tgt Ion: 43 Resp: 1134132

Ion Ratio Lower Upper

43 100

58 26.8 21.1 31.7



#16

1,3-Butadiene

Concen: 10.053 ppbv

RT: 3.37 min Scan# 134

Delta R.T. -0.00 min

Lab File: VL032774.D

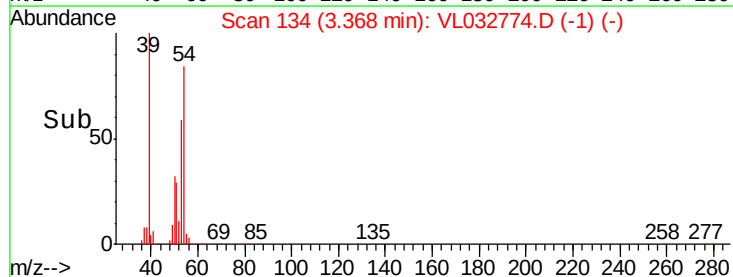
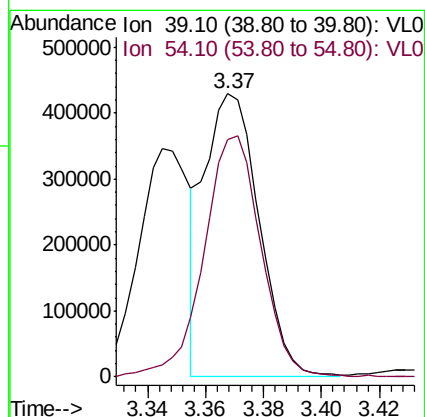
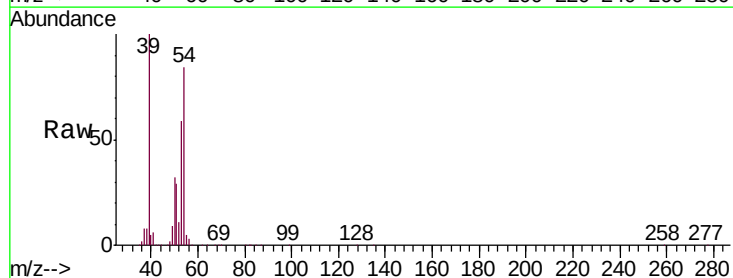
Acq: 15 Nov 2018 00:57

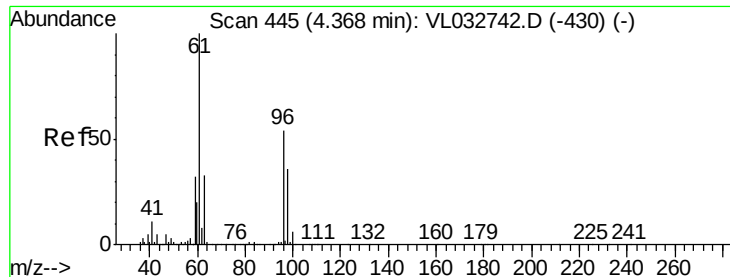
Tgt Ion: 39 Resp: 559347

Ion Ratio Lower Upper

39 100

54 89.6 68.9 103.3





#17

tert-Butyl alcohol

Concen: 10.509 ppbv

RT: 4.37 min Scan# 445

Delta R.T. 0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

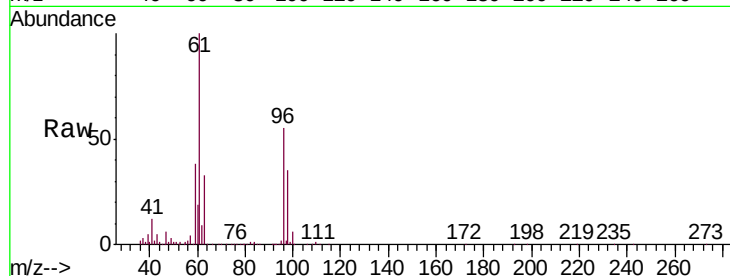
VSTDCCC010EC

Tgt Ion: 59 Resp: 473541

Ion Ratio Lower Upper

59 100

57 9.8 7.8 11.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.37

250000

200000

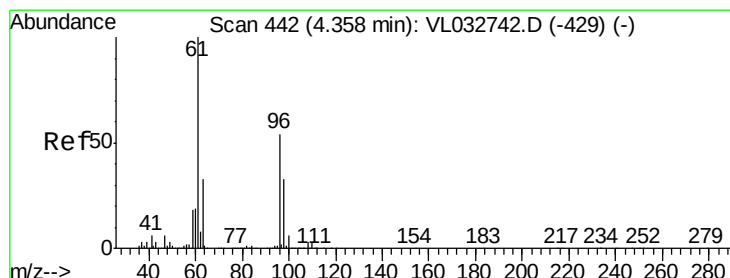
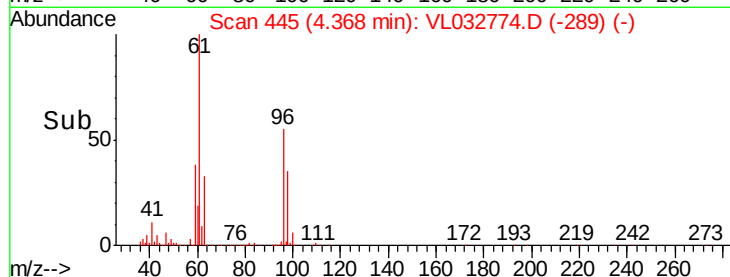
150000

100000

50000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.614 ppbv

RT: 4.36 min Scan# 442

Delta R.T. 0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

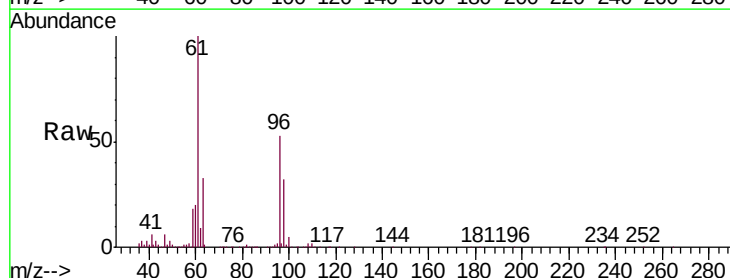
Tgt Ion: 96 Resp: 822980

Ion Ratio Lower Upper

96 100

61 186.8 148.5 222.7

98 59.1 48.6 72.8



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

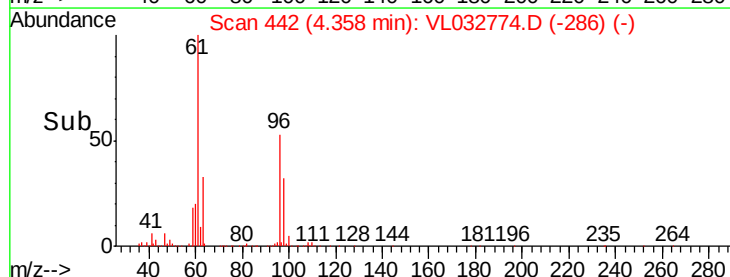
Ion 98.00 (97.70 to 98.70): VL0

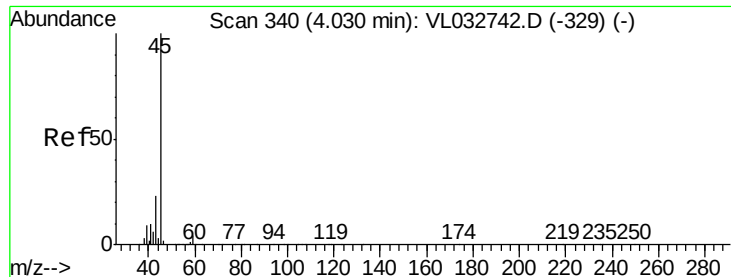
1000000

500000

0

Time-->





#19

Isopropyl Alcohol

Concen: 8.654 ppbv

RT: 4.03 min Scan# 341

Delta R.T. 0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

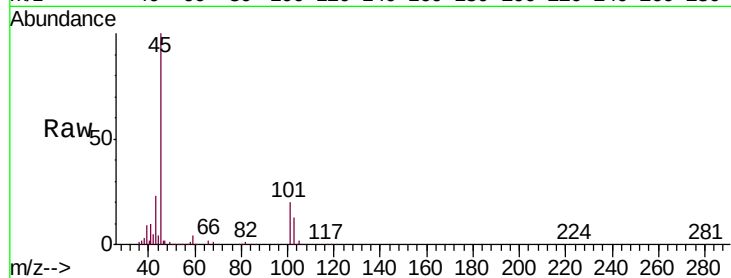
VSTDCCC010EC

Tgt Ion: 45 Resp: 828294

Ion Ratio Lower Upper

45 100

58 1.5 1.4 2.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.03

500000

400000

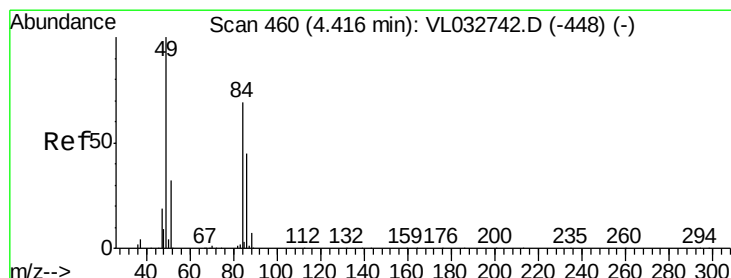
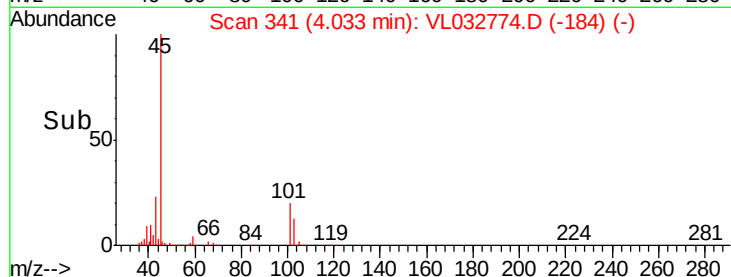
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 9.497 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Tgt Ion: 84 Resp: 706394

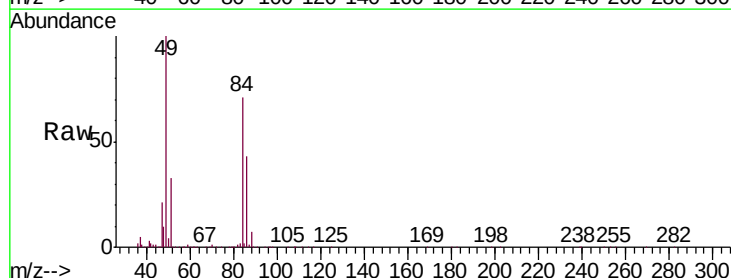
Ion Ratio Lower Upper

84 100

49 140.9 115.8 173.6

51 46.0 36.9 55.3

86 60.7 52.4 78.6



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

1000000

800000

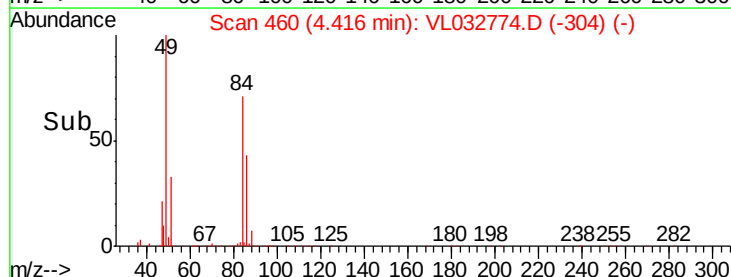
600000

400000

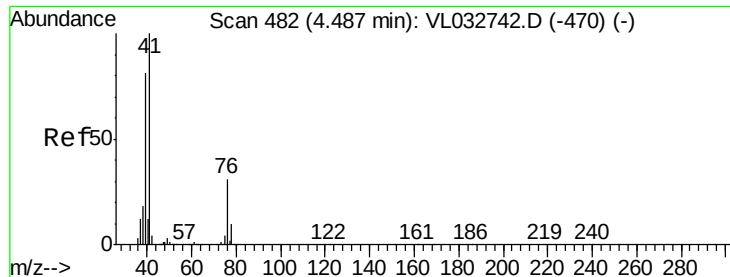
200000

0

Time-->



4.42



#21

Allyl Chloride

Concen: 11.112 ppbv

RT: 4.48 min Scan# 481

Delta R.T. -0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

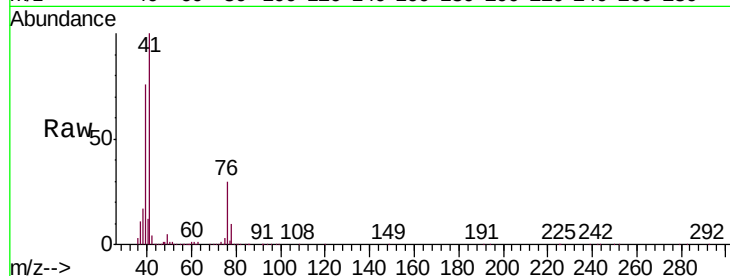
Tgt Ion: 41 Resp: 1341624

Ion Ratio Lower Upper

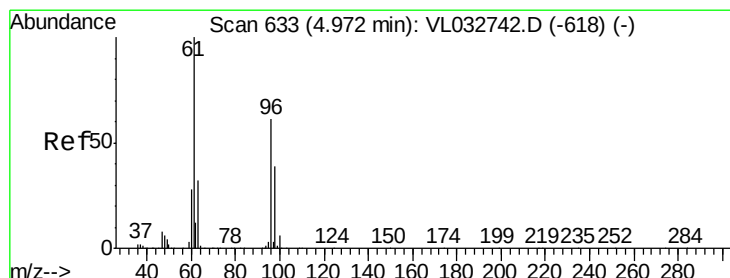
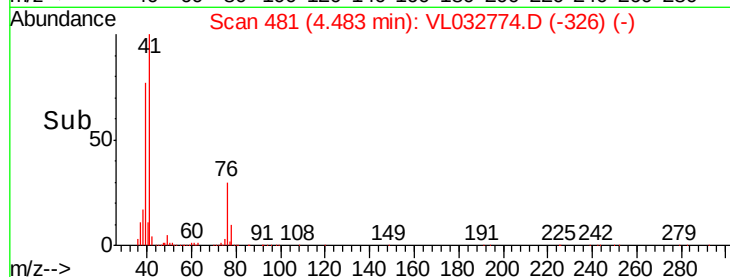
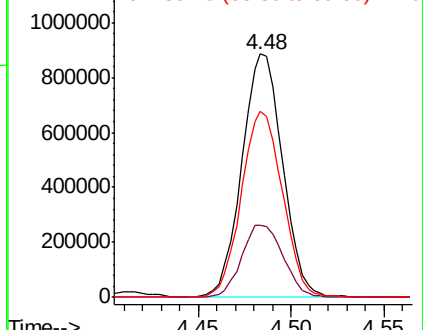
41 100

76 30.7 24.4 36.6

39 77.6 63.5 95.3



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.161 ppbv

RT: 4.97 min Scan# 633

Delta R.T. 0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

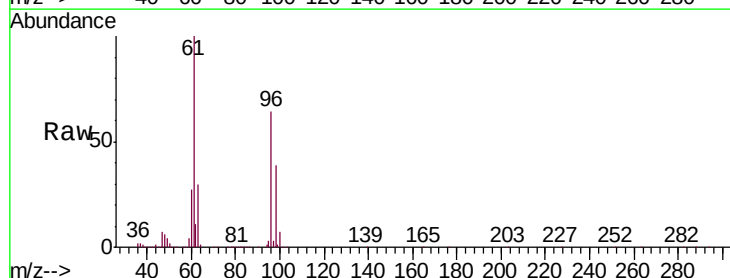
Tgt Ion: 96 Resp: 765747

Ion Ratio Lower Upper

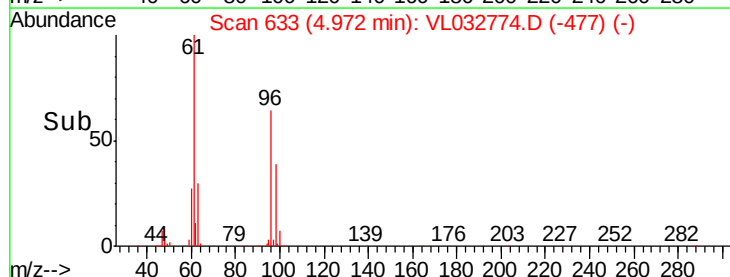
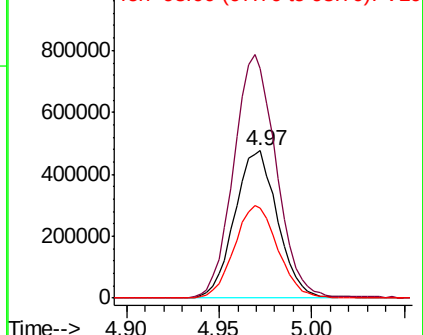
96 100

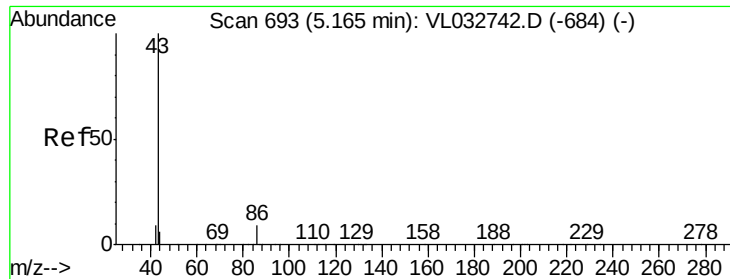
61 156.1 130.2 195.2

98 61.0 50.2 75.2



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





#23

Vinyl Acetate

Concen: 10.433 ppbv

RT: 5.16 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2732428

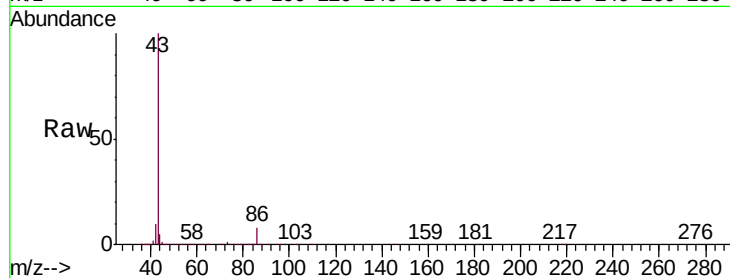
Ion Ratio Lower Upper

43 100

86 8.4 6.2 9.4

42 10.1 7.8 11.6

44 5.0 4.4 6.6

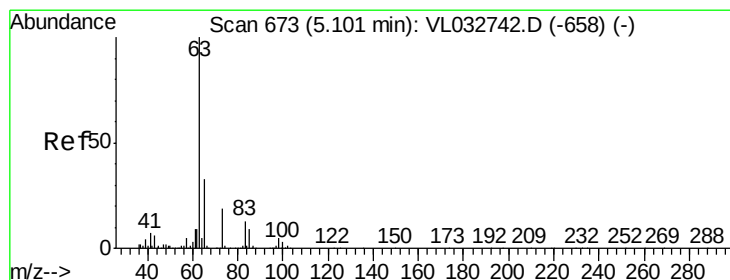
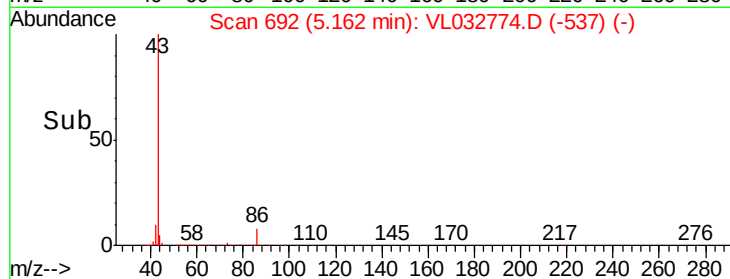
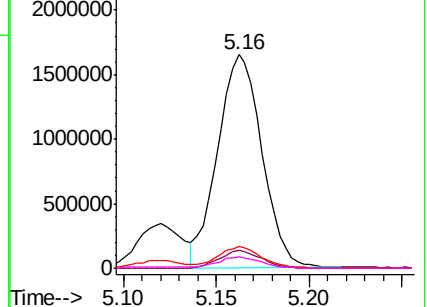


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.409 ppbv

RT: 5.10 min Scan# 672

Delta R.T. -0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

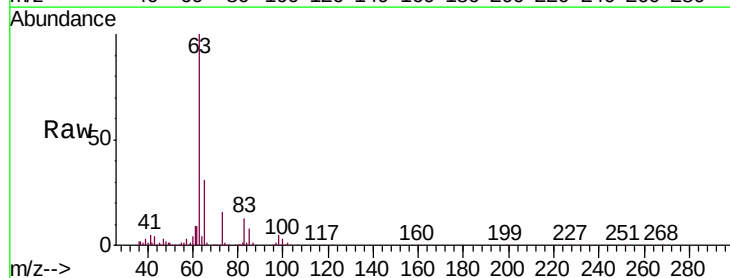
Tgt Ion: 63 Resp: 1959121

Ion Ratio Lower Upper

63 100

98 5.0 2.3 6.8

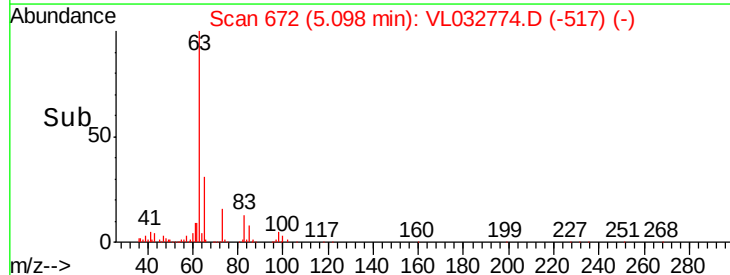
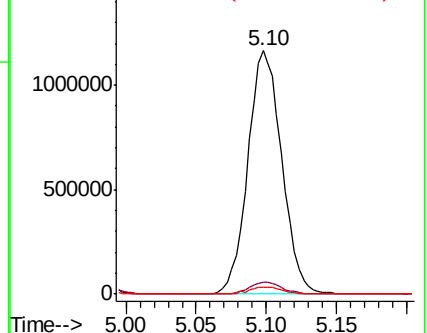
100 2.6 1.4 4.2

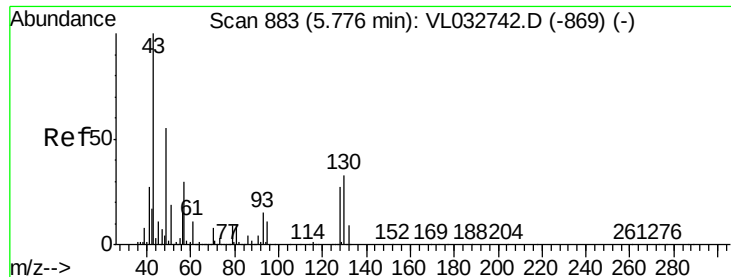


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

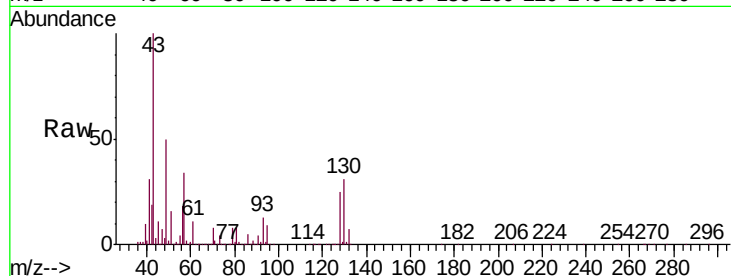




#25
Ethyl Acetate
Concen: 9.620 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL032774.D
Acq: 15 Nov 2018 00:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:	43	Resp:	3221216
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	10.0	7.8	11.6
70	7.3	5.8	8.6



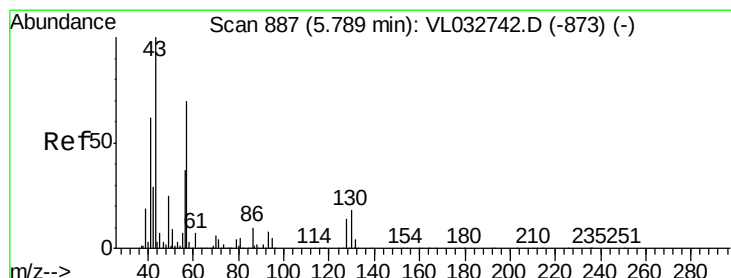
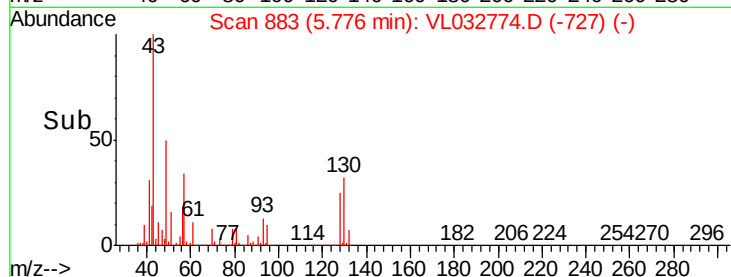
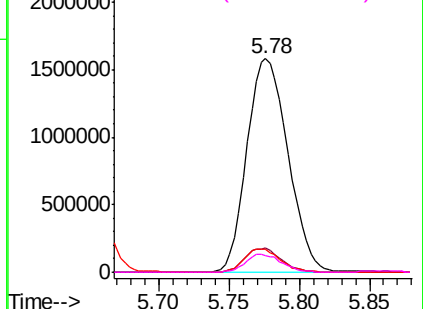
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

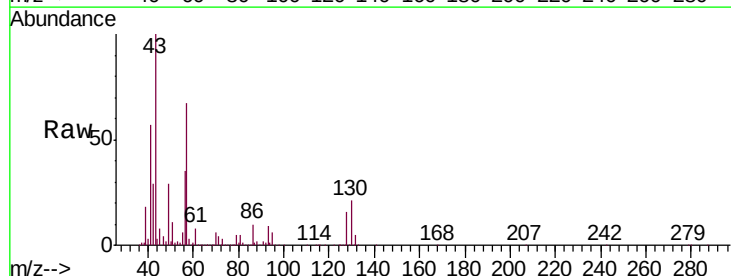
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.942 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL032774.D
Acq: 15 Nov 2018 00:57

Tgt Ion:	57	Resp:	1481942
Ion	Ratio	Lower	Upper
57	100		
41	86.6	70.3	105.5
43	218.7	174.0	261.0
56	52.2	42.3	63.5



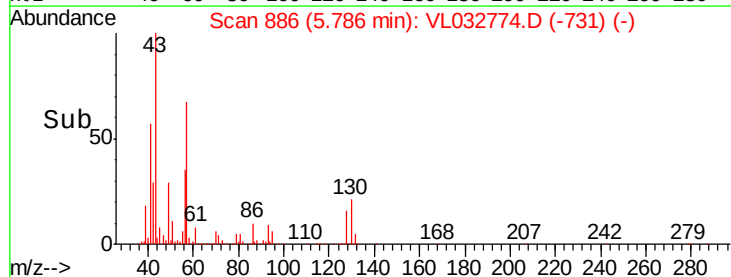
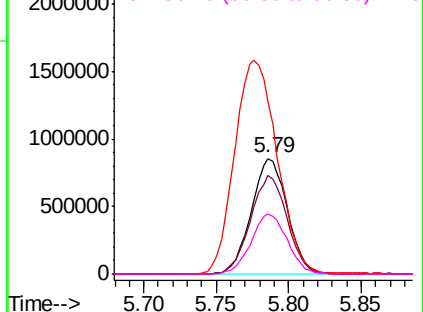
Abundance

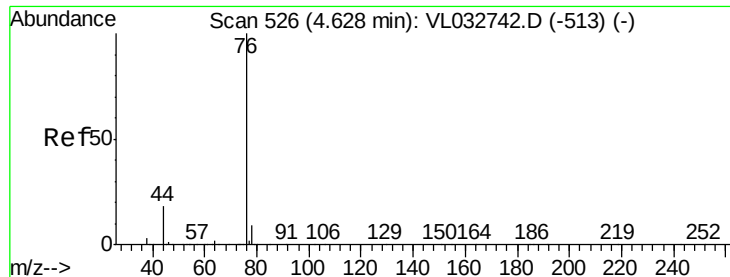
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.215 ppbv

RT: 4.62 min Scan# 525

Delta R.T. -0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

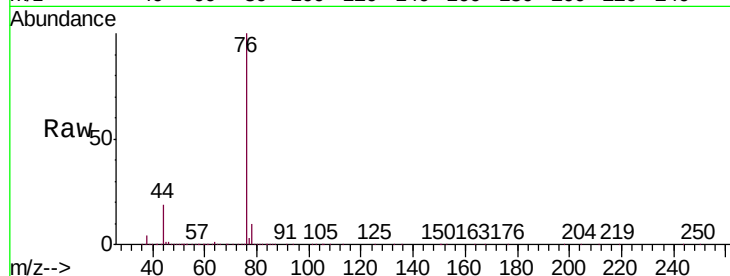
Tgt Ion: 76 Resp: 1930634

Ion Ratio Lower Upper

76 100

44 18.3 14.4 21.6

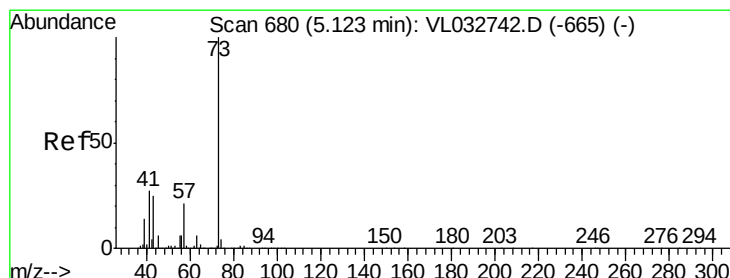
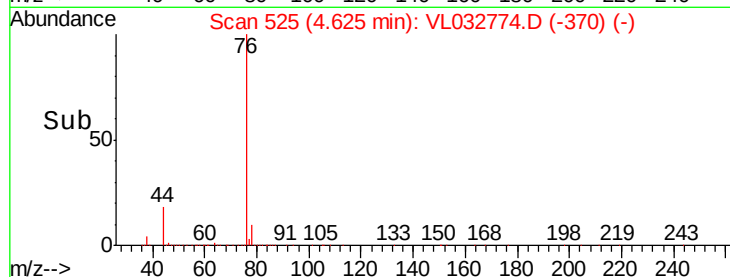
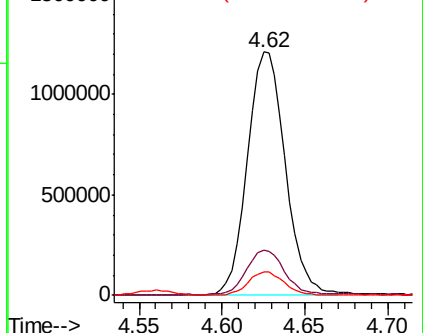
78 9.2 7.7 11.5



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: 10.503 ppbv

RT: 5.12 min Scan# 679

Delta R.T. -0.00 min

Lab File: VL032774.D

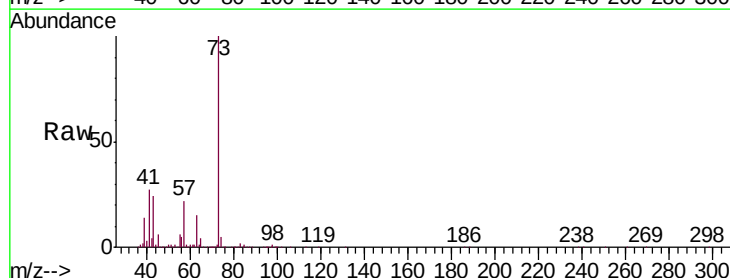
Acq: 15 Nov 2018 00:57

Tgt Ion: 73 Resp: 2496558

Ion Ratio Lower Upper

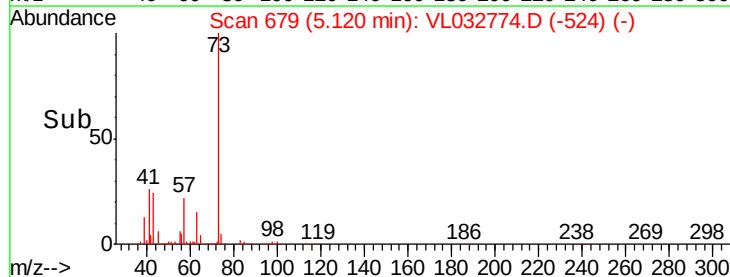
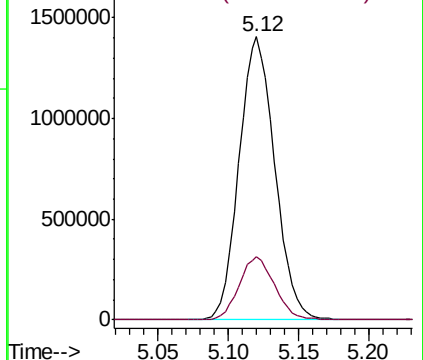
73 100

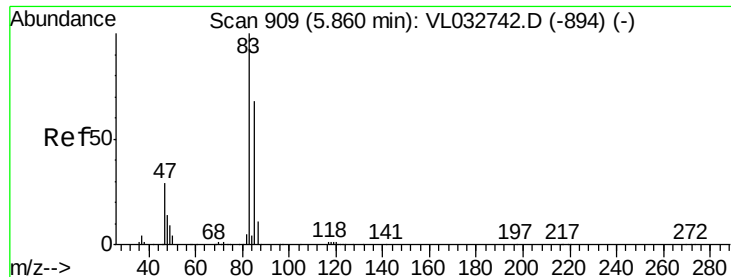
57 22.4 17.5 26.3



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

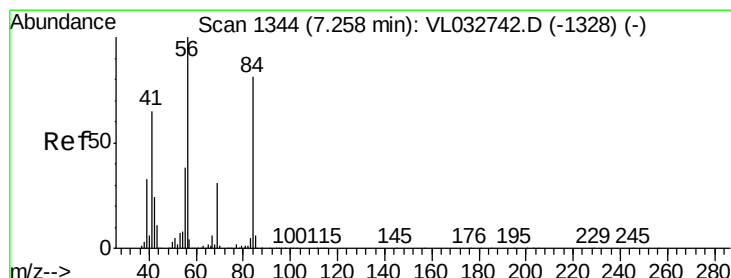
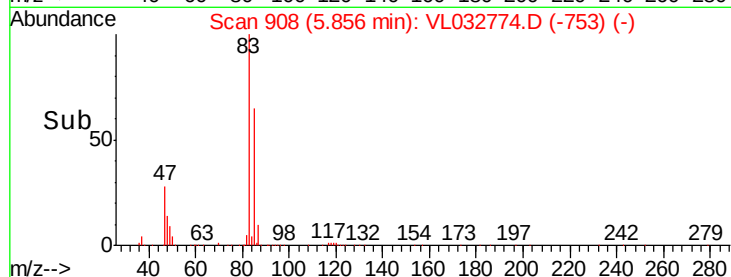
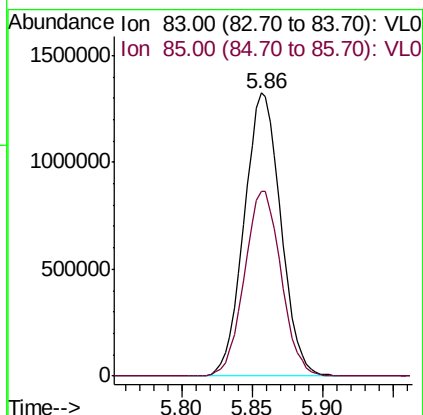
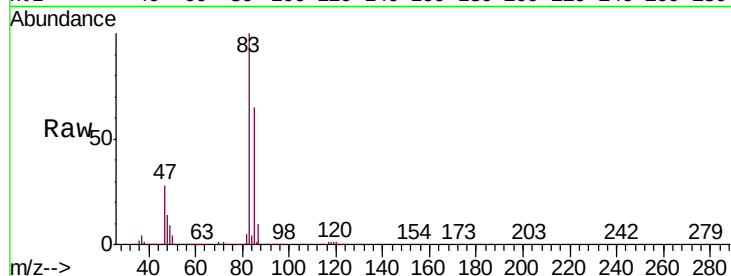




#29
Chloroform
Concen: 9.075 ppbv
RT: 5.86 min Scan# 908
Delta R.T. -0.00 min
Lab File: VL032774.D
Acq: 15 Nov 2018 00:57

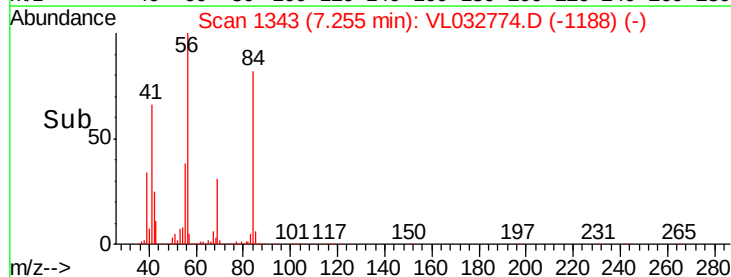
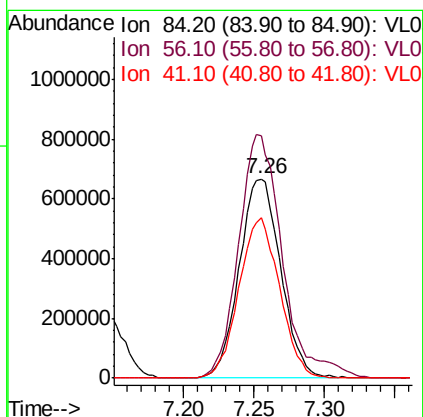
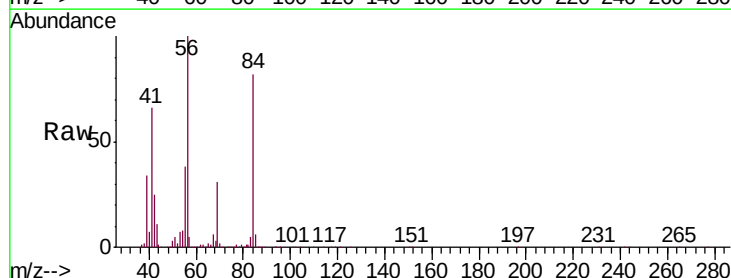
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

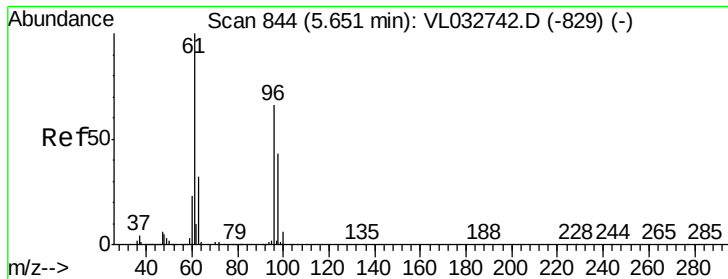
Tgt Ion: 83 Resp: 2410837
Ion Ratio Lower Upper
83 100
85 65.1 54.2 81.4



#30
Cyclohexane
Concen: 10.495 ppbv
RT: 7.26 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL032774.D
Acq: 15 Nov 2018 00:57

Tgt Ion: 84 Resp: 1368199
Ion Ratio Lower Upper
84 100
56 130.3 105.0 157.4
41 79.3 65.3 97.9



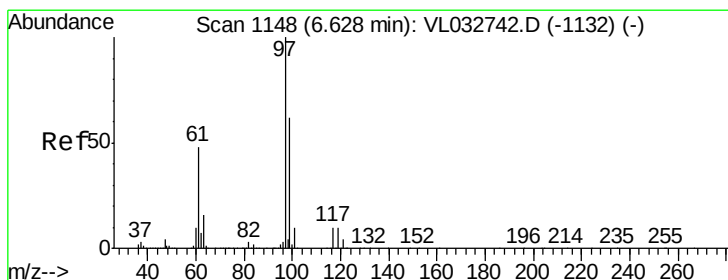
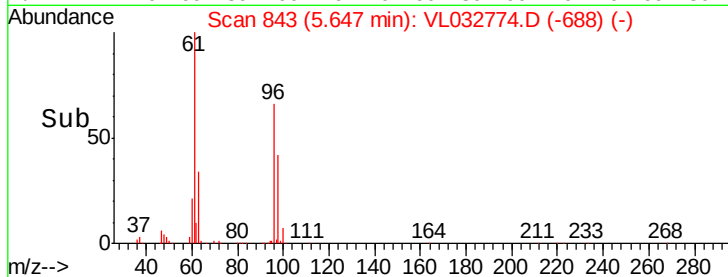
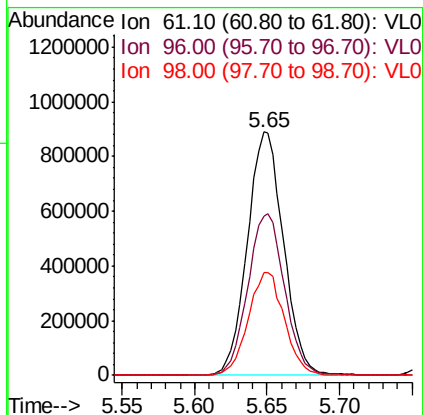
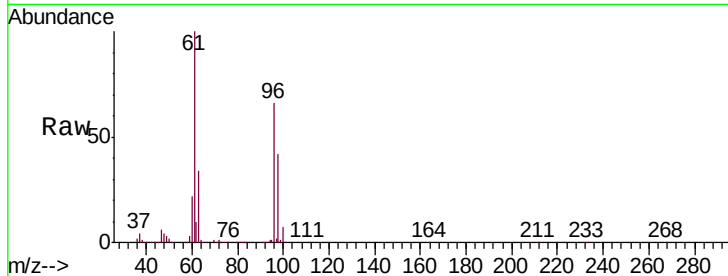


#31

cis-1,2-Dichloroethene
 Concen: 10.310 ppbv
 RT: 5.65 min Scan# 843
 Delta R.T. -0.00 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

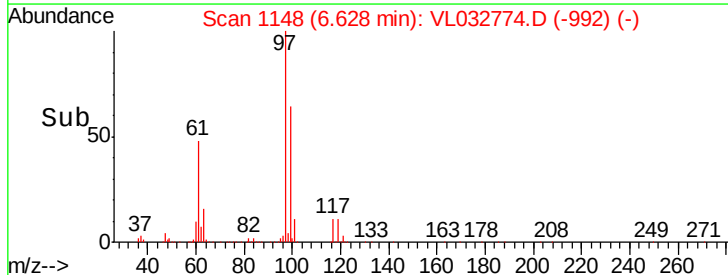
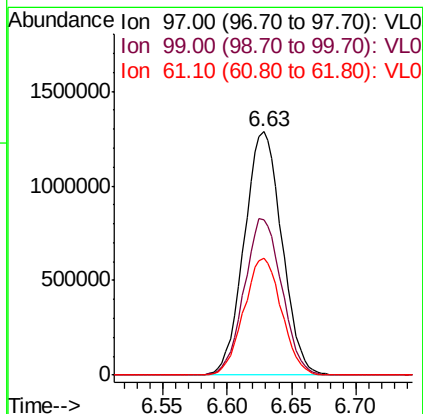
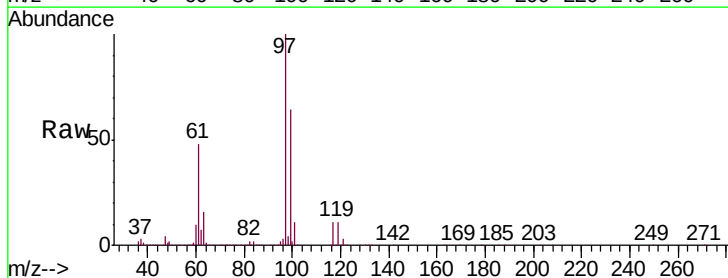
Tgt Ion: 61 Resp: 1545070
 Ion Ratio Lower Upper
 61 100
 96 65.6 53.2 79.8
 98 42.1 34.4 51.6

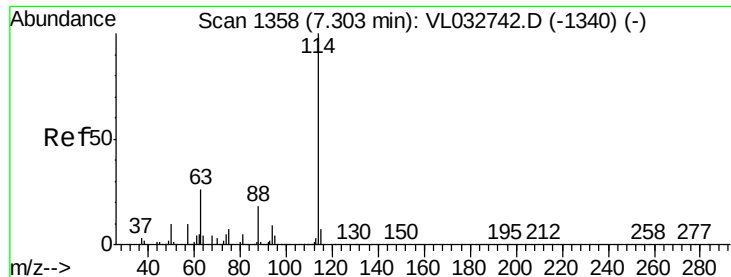


#32

1,1,1-Trichloroethane
 Concen: 8.999 ppbv
 RT: 6.63 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

Tgt Ion: 97 Resp: 2620659
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.8 77.6
 61 48.3 39.7 59.5

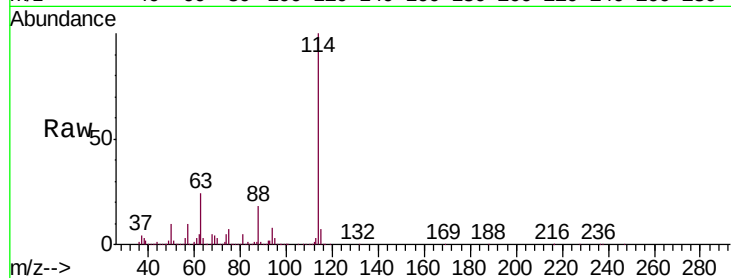




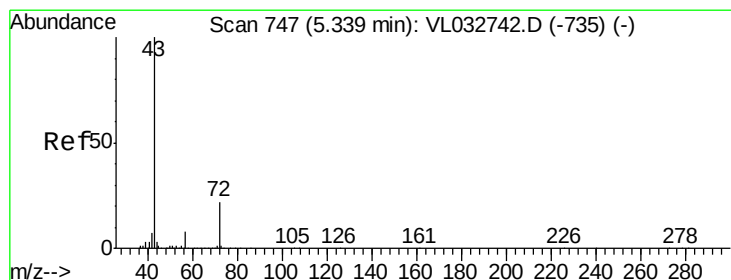
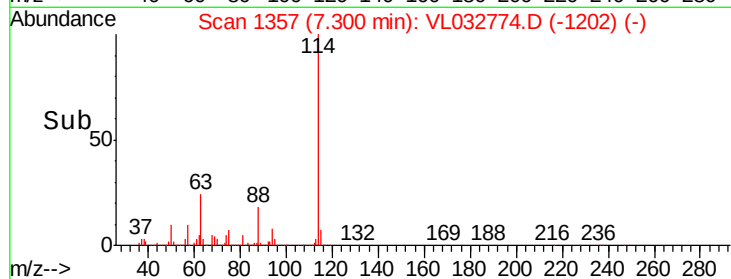
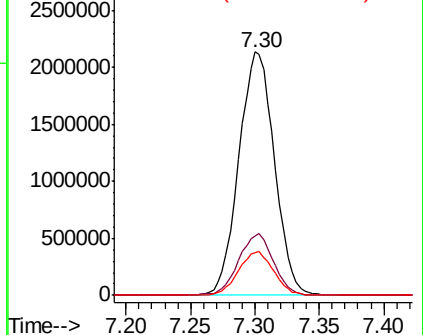
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:114 Resp: 4099983
 Ion Ratio Lower Upper
 114 100
 63 25.1 20.9 31.3
 88 17.6 14.4 21.6

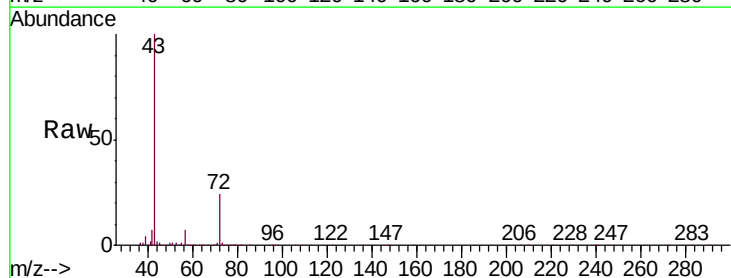


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

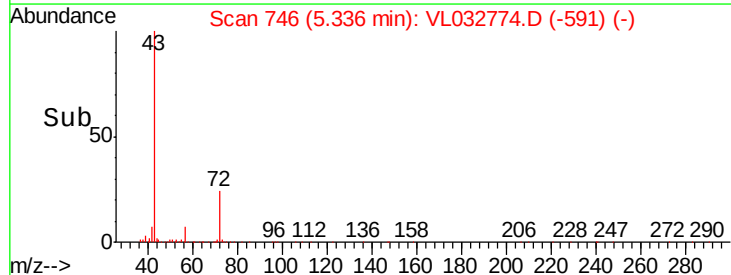
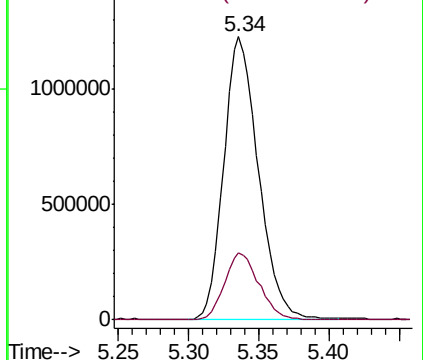


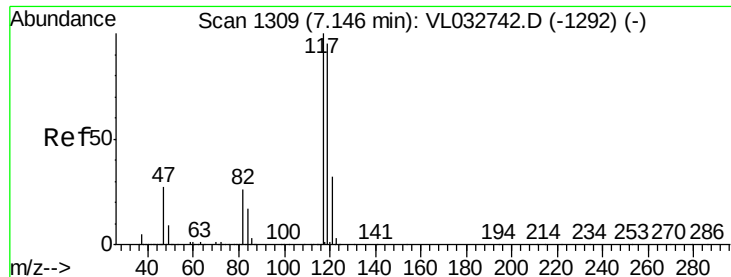
#34
 2-Butanone
 Concen: 9.860 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

Tgt Ion: 43 Resp: 2096838
 Ion Ratio Lower Upper
 43 100
 72 23.7 18.4 27.6



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





#35

Carbon Tetrachloride

Concen: 8.458 ppbv

RT: 7.14 min Scan# 1308

Delta R.T. -0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

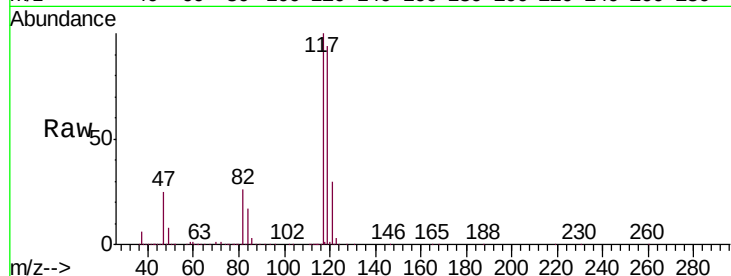
Tgt Ion: 117 Resp: 2787638

Ion Ratio Lower Upper

117 100

119 94.1 76.1 114.1

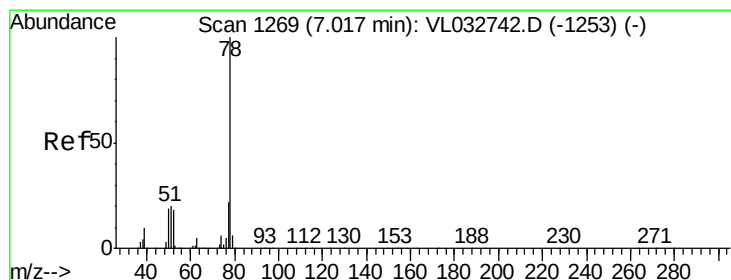
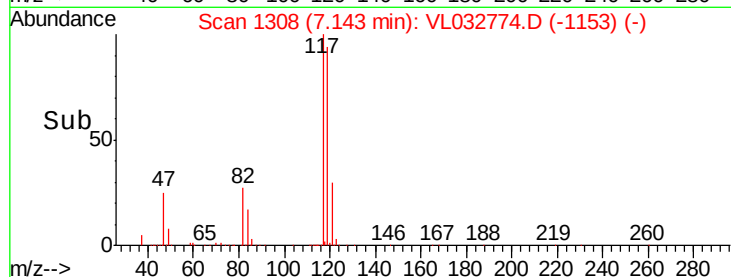
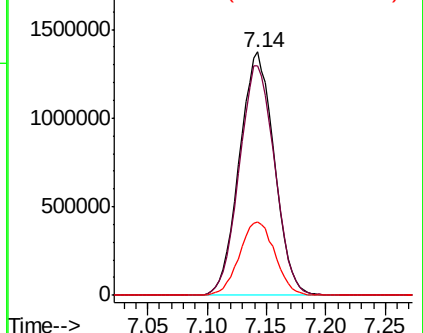
121 30.0 25.4 38.0



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: 10.079 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

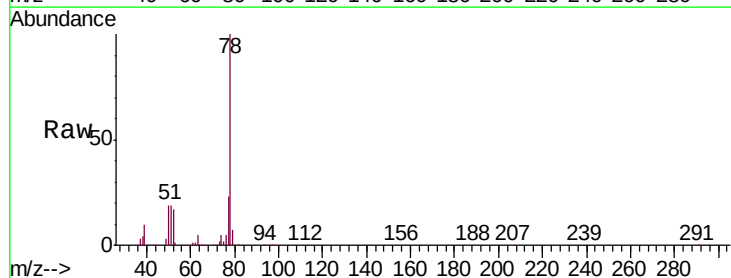
Tgt Ion: 78 Resp: 3290832

Ion Ratio Lower Upper

78 100

77 22.6 17.8 26.8

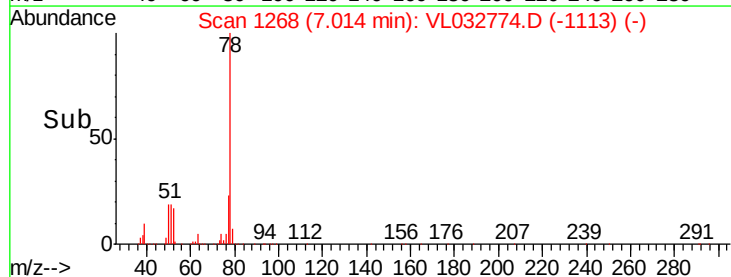
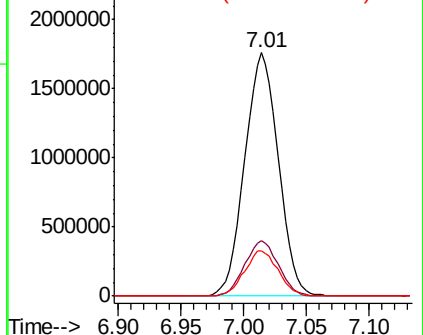
50 18.7 15.4 23.0

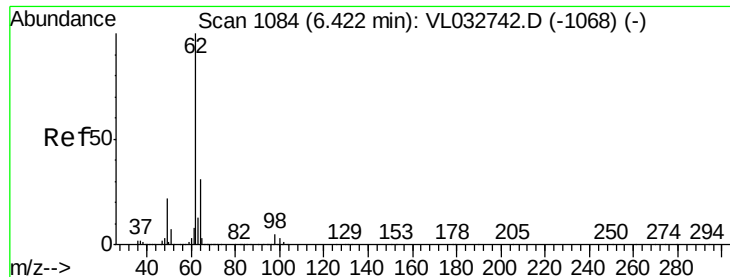


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

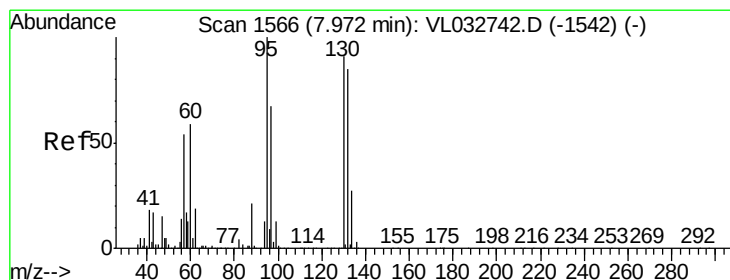
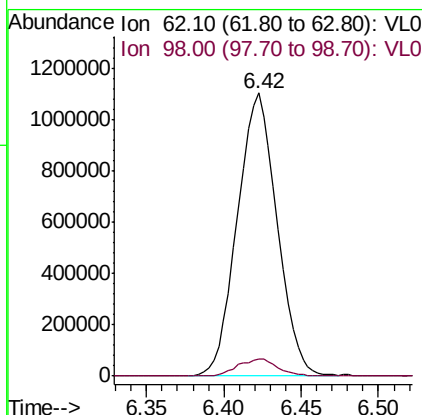
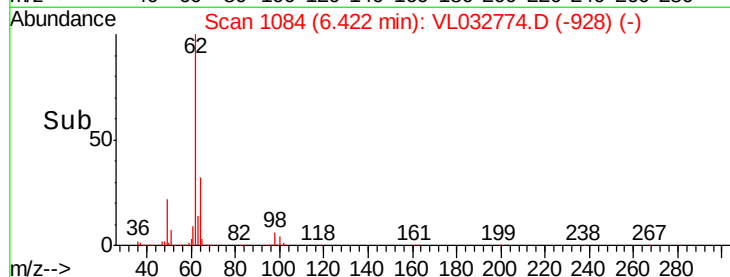
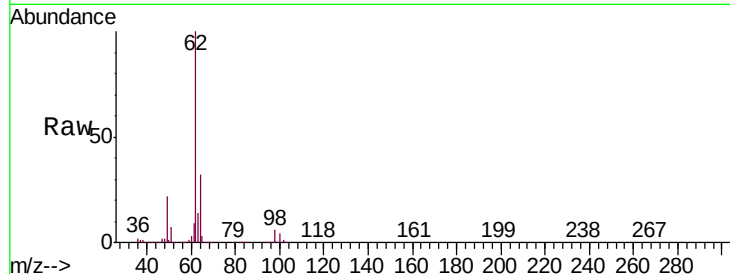




#37
 1,2-Dichloroethane
 Concen: 8.965 ppbv
 RT: 6.42 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

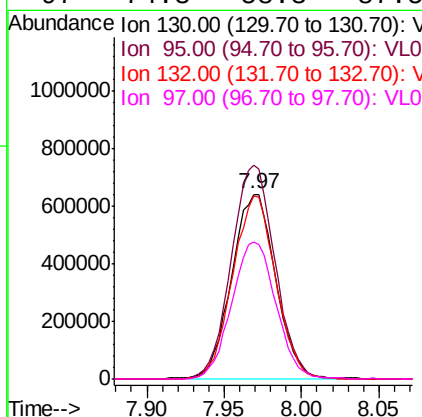
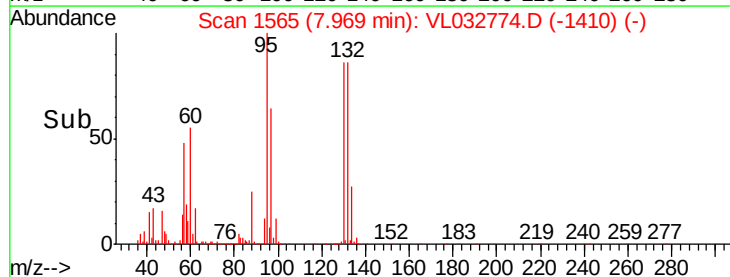
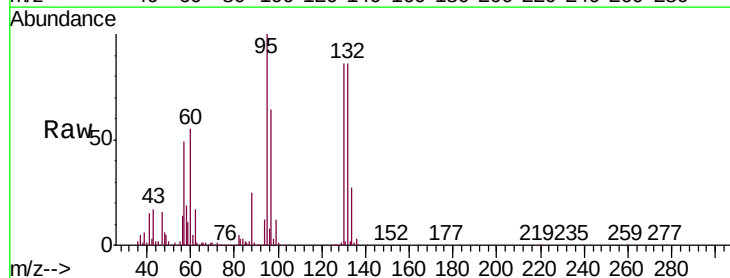
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

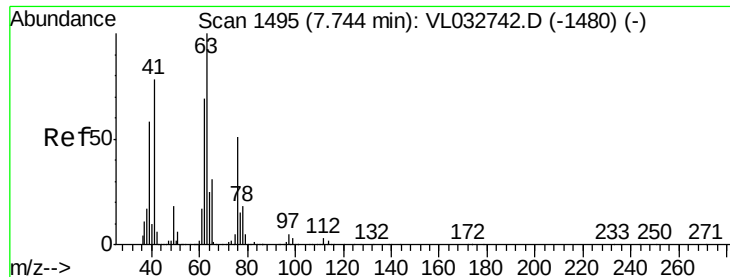
Tgt Ion: 62 Resp: 1970343
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.5 6.7



#38
 Trichloroethene
 Concen: 9.493 ppbv
 RT: 7.97 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

Tgt Ion: 130 Resp: 1254304
 Ion Ratio Lower Upper
 130 100
 95 115.5 87.7 131.5
 132 98.9 74.6 111.8
 97 74.3 58.3 87.5





#39

1,2-Dichloropropane

Concen: 10.032 ppbv

RT: 7.74 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

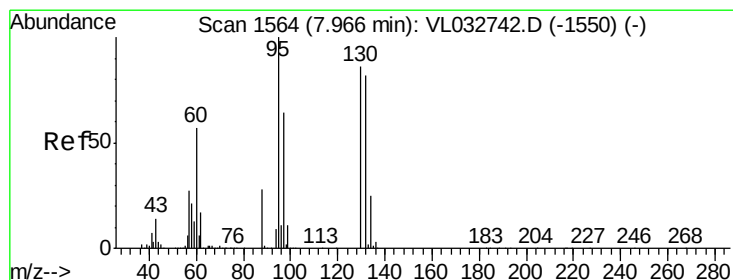
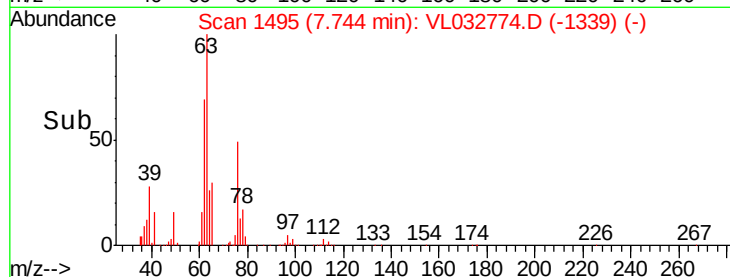
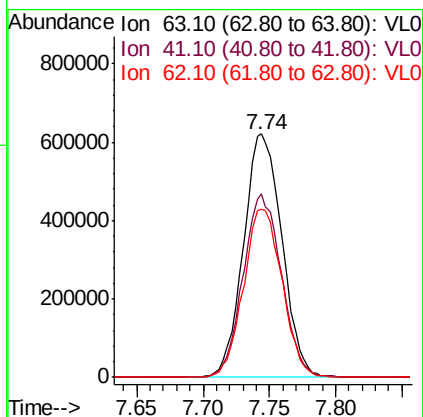
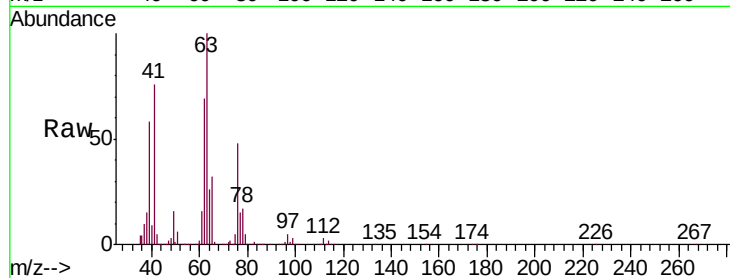
Tgt Ion: 63 Resp: 1247969

Ion Ratio Lower Upper

63 100

41 75.5 62.0 93.0

62 68.7 55.4 83.2



#40

1,4-Dioxane

Concen: 10.086 ppbv

RT: 7.96 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Tgt Ion: 88 Resp: 448130

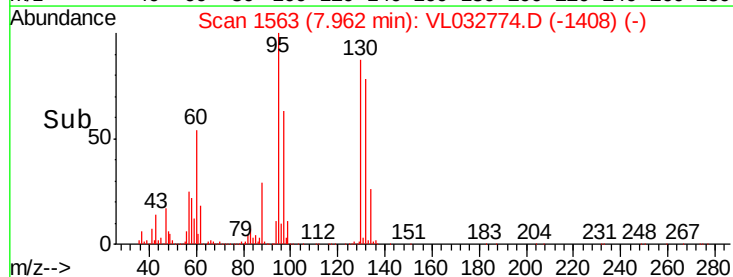
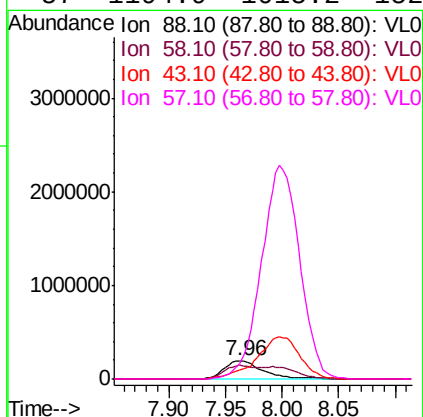
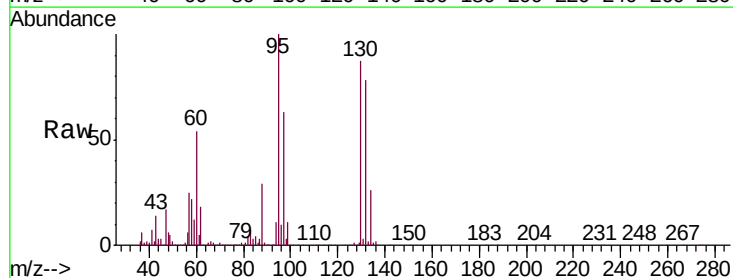
Ion Ratio Lower Upper

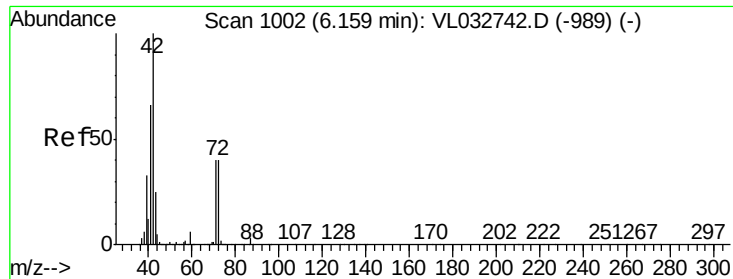
88 100

58 126.0 105.3 157.9

43 265.5 226.1 339.1

57 1194.9 1015.2 1522.8

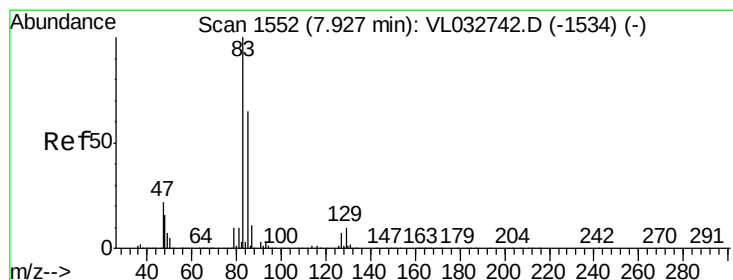
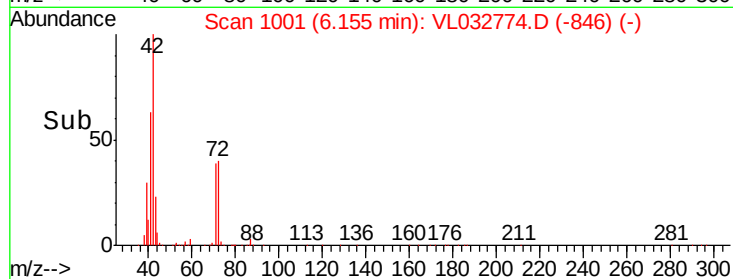
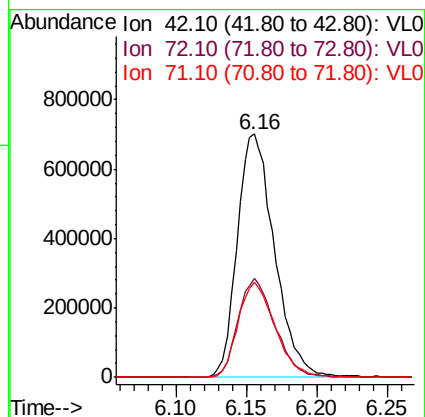
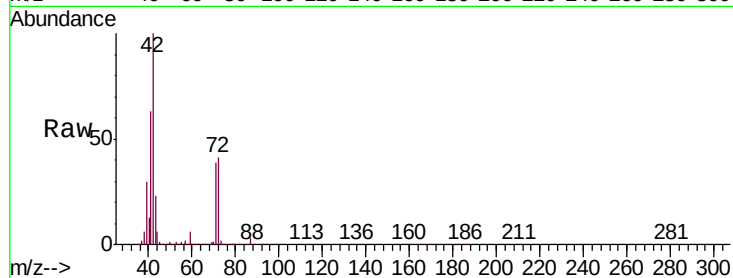




#41
Tetrahydrofuran
Concen: 10.613 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VL032774.D
Acq: 15 Nov 2018 00:57

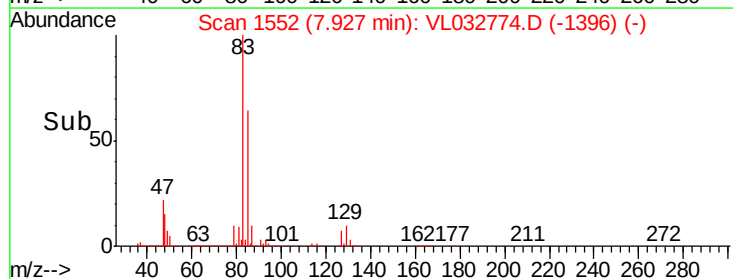
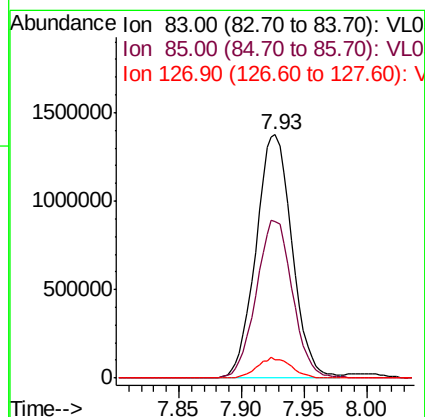
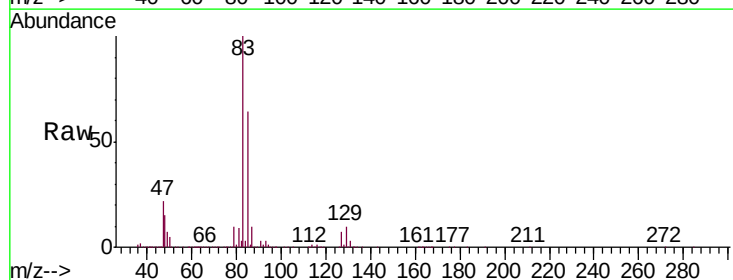
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

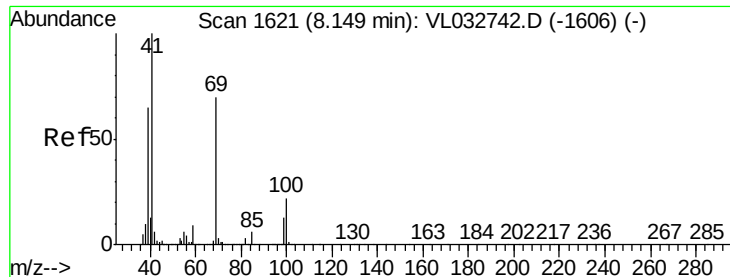
Tgt Ion: 42 Resp: 1294581
Ion Ratio Lower Upper
42 100
72 40.4 32.4 48.6
71 39.1 31.6 47.4



#42
Bromodichloromethane
Concen: 9.263 ppbv
RT: 7.93 min Scan# 1552
Delta R.T. 0.00 min
Lab File: VL032774.D
Acq: 15 Nov 2018 00:57

Tgt Ion: 83 Resp: 2759734
Ion Ratio Lower Upper
83 100
85 64.1 51.8 77.8
127 7.4 5.9 8.9

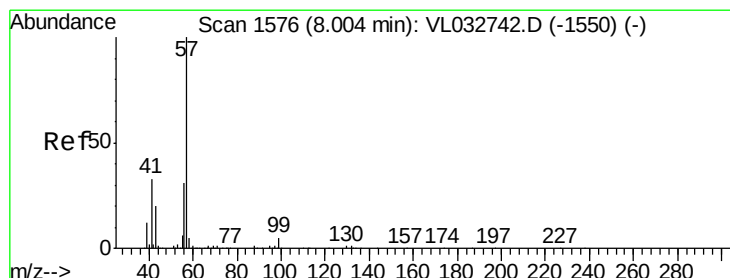
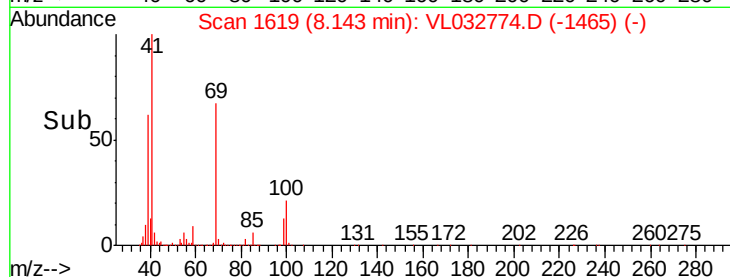
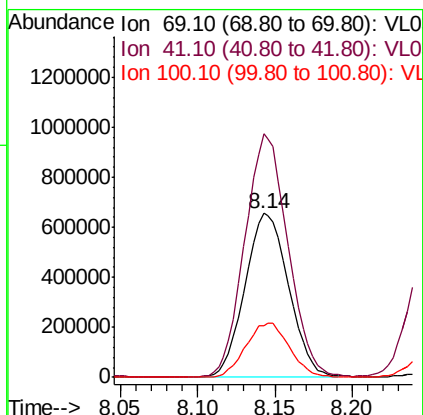
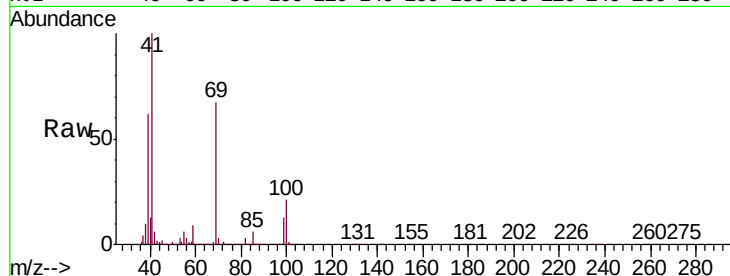




#43
Methyl Methacrylate
Concen: 10.630 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. -0.01 min
Lab File: VL032774.D
Acq: 15 Nov 2018 00:57

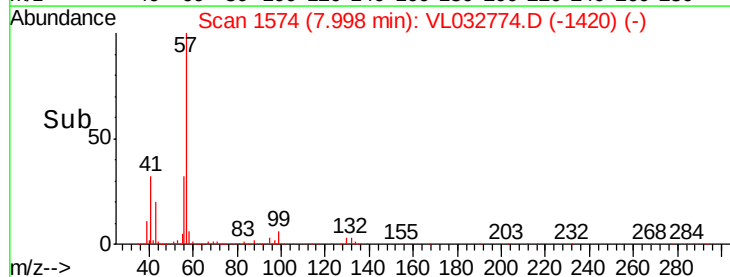
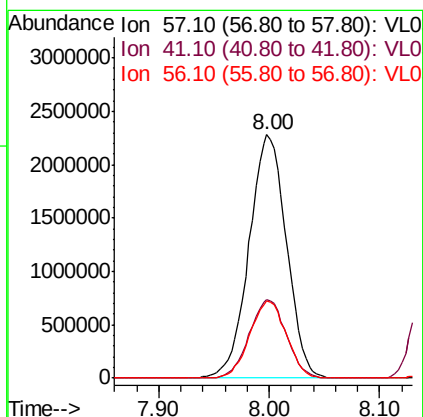
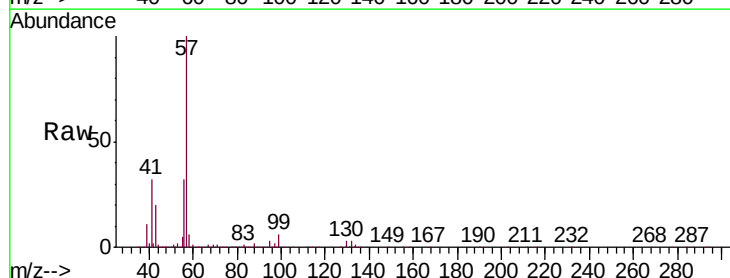
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

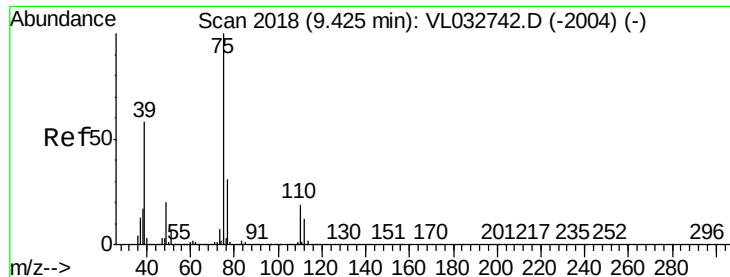
Tgt Ion: 69 Resp: 1295716
Ion Ratio Lower Upper
69 100
41 146.0 115.0 172.4
100 33.0 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 9.802 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.01 min
Lab File: VL032774.D
Acq: 15 Nov 2018 00:57

Tgt Ion: 57 Resp: 5347967
Ion Ratio Lower Upper
57 100
41 31.8 26.6 39.8
56 31.0 24.8 37.2

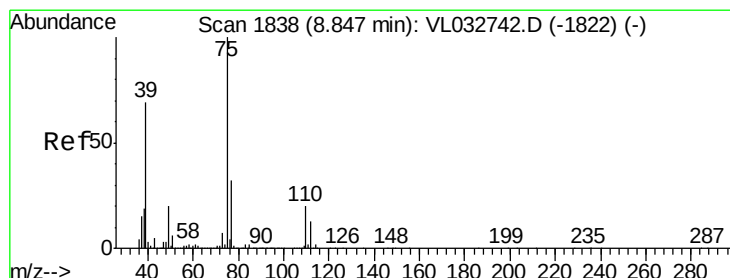
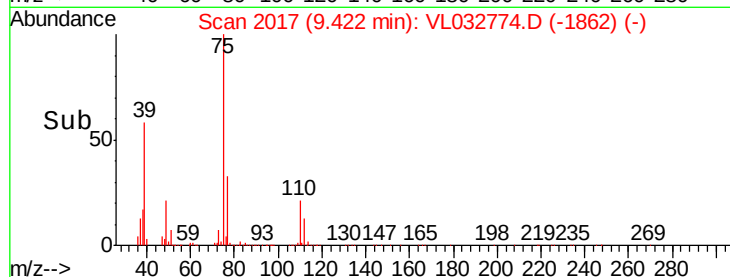
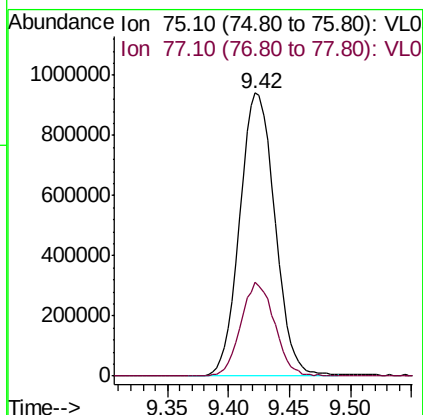
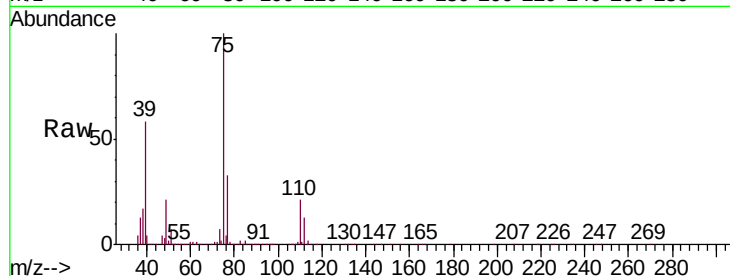




#45
 t-1,3-Dichloropropene
 Concen: 11.491 ppbv
 RT: 9.42 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

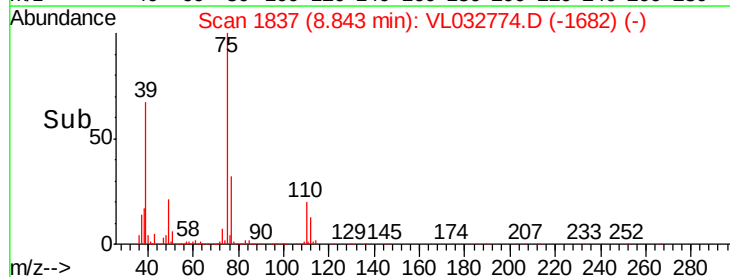
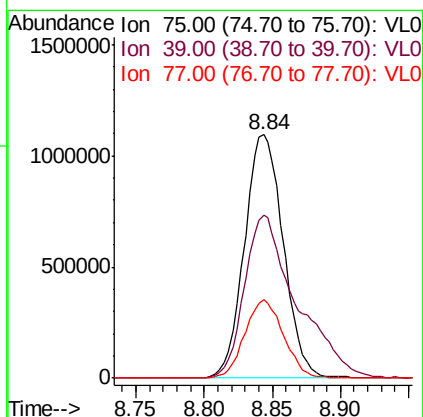
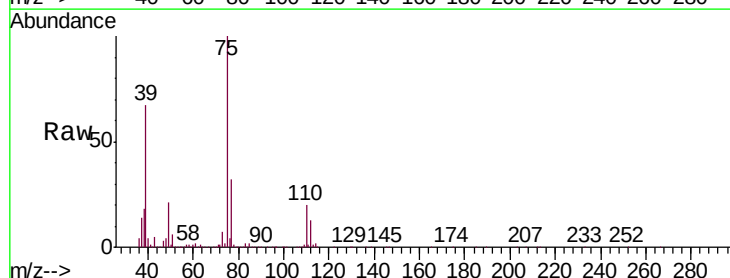
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

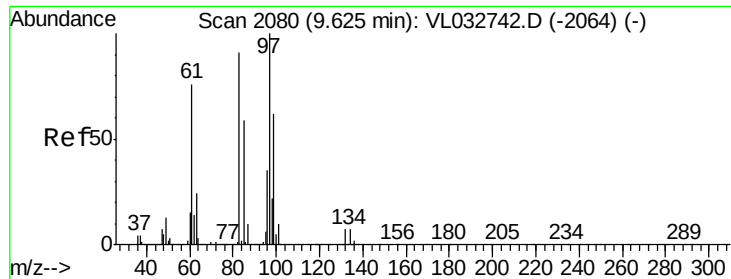
Tgt Ion: 75 Resp: 1879402
 Ion Ratio Lower Upper
 75 100
 77 33.1 24.6 36.8



#46
 cis-1,3-Dichloropropene
 Concen: 10.928 ppbv
 RT: 8.84 min Scan# 1837
 Delta R.T. -0.00 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

Tgt Ion: 75 Resp: 2159278
 Ion Ratio Lower Upper
 75 100
 39 67.0 55.2 82.8
 77 32.3 25.8 38.6



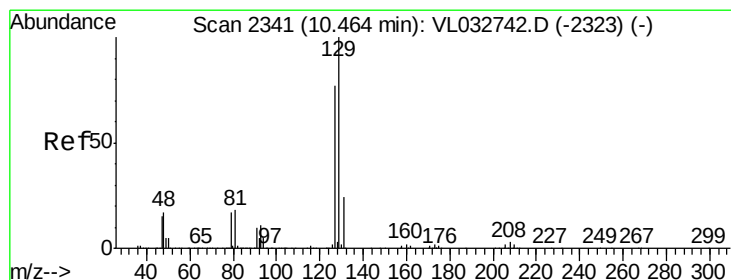
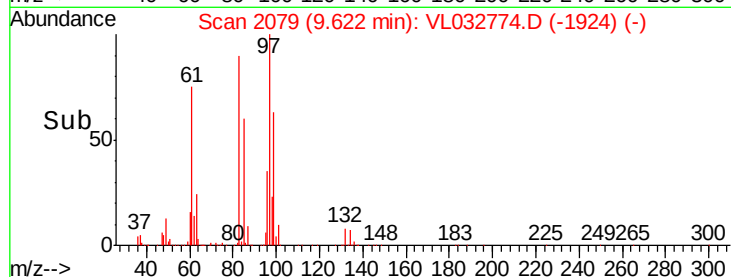
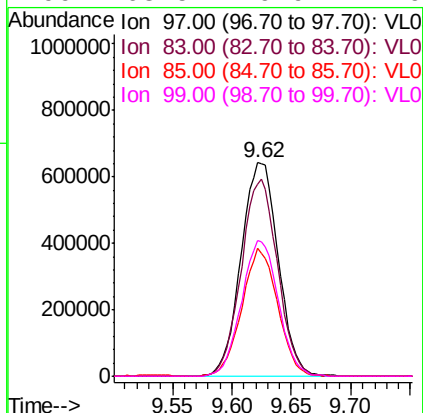
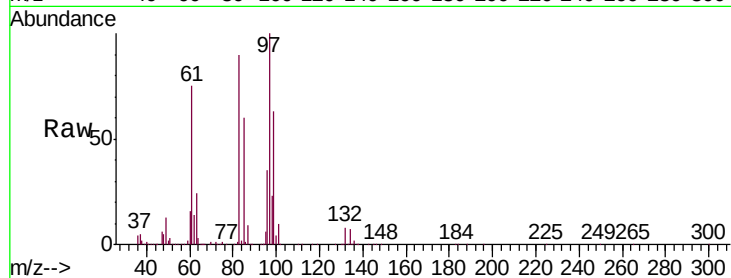


#47
 1,1,2-Trichloroethane
 Concen: 9.481 ppbv
 RT: 9.62 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 97 Resp: 1394567

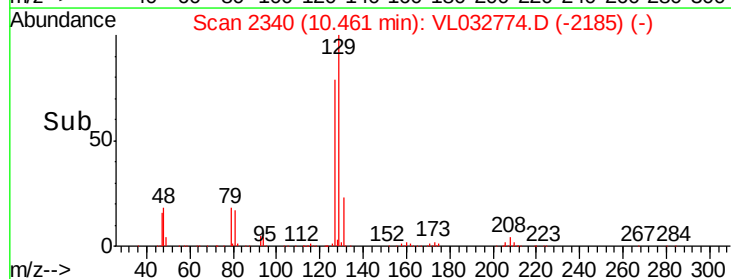
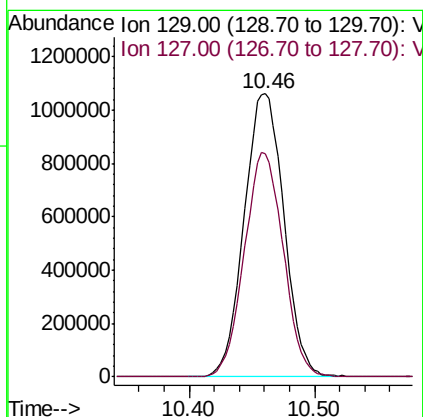
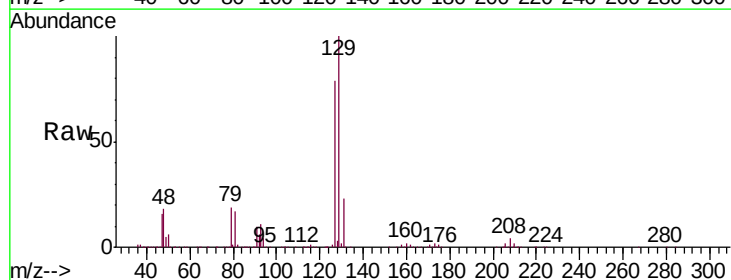
Ion	Ratio	Lower	Upper
97	100		
83	89.8	73.0	109.4
85	60.0	47.0	70.4
99	63.5	49.9	74.9

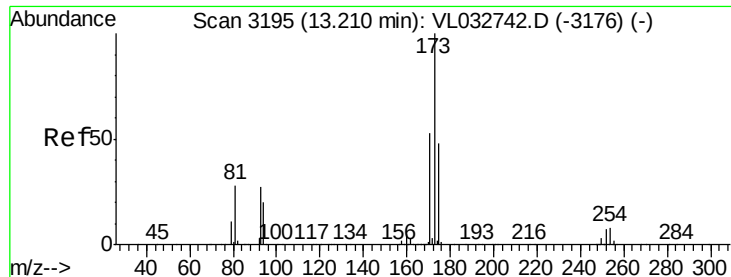


#48
 Dibromochloromethane
 Concen: 9.374 ppbv
 RT: 10.46 min Scan# 2340
 Delta R.T. -0.00 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

Tgt Ion: 129 Resp: 2343574

Ion	Ratio	Lower	Upper
129	100		
127	77.9	39.0	117.0





#49

Bromoform

Concen: 8.961 ppbv

RT: 13.21 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

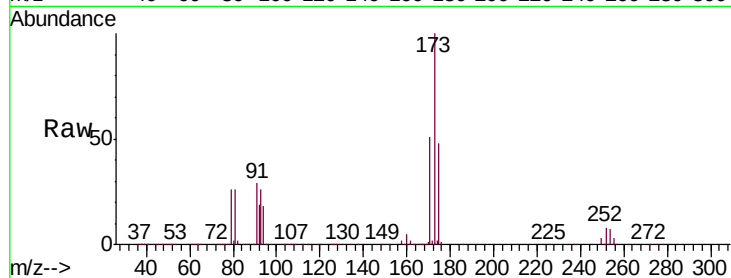
Tgt Ion:173 Resp: 1850067

Ion Ratio Lower Upper

173 100

175 48.9 39.4 59.0

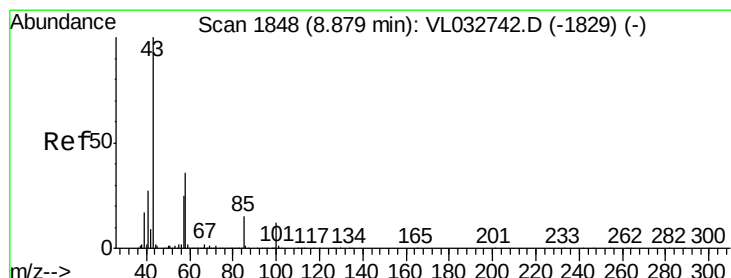
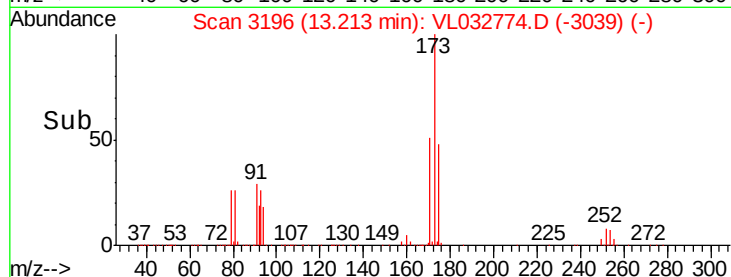
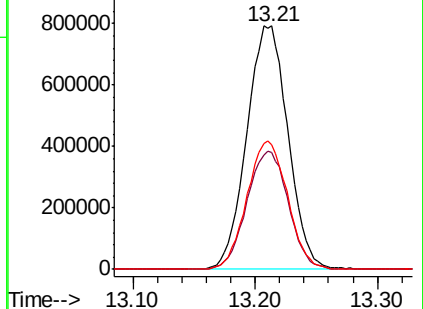
171 52.0 42.0 63.0



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: 9.917 ppbv

RT: 8.88 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VL032774.D

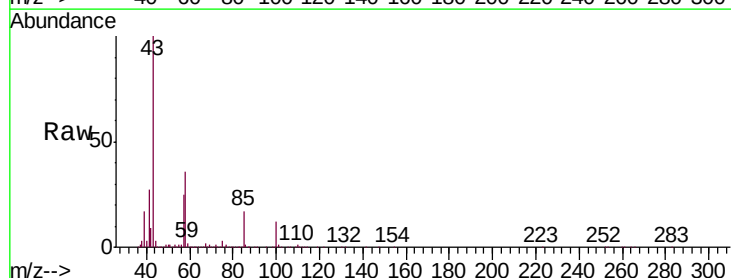
Acq: 15 Nov 2018 00:57

Tgt Ion: 43 Resp: 3293907

Ion Ratio Lower Upper

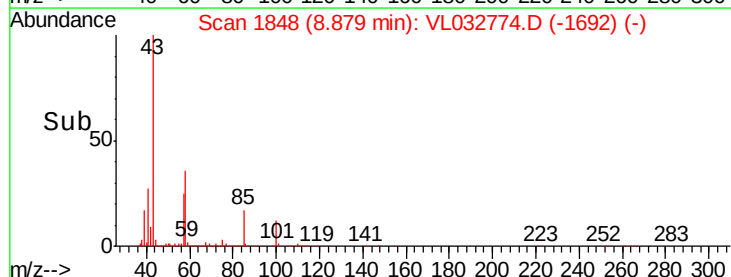
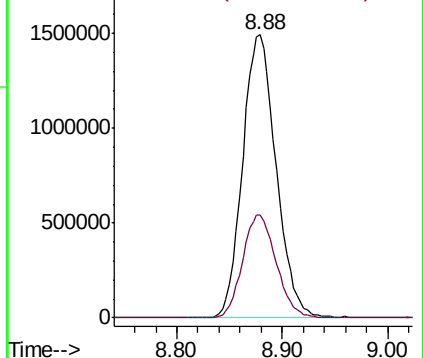
43 100

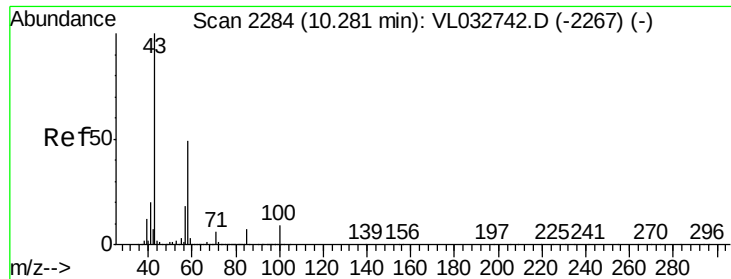
58 36.6 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

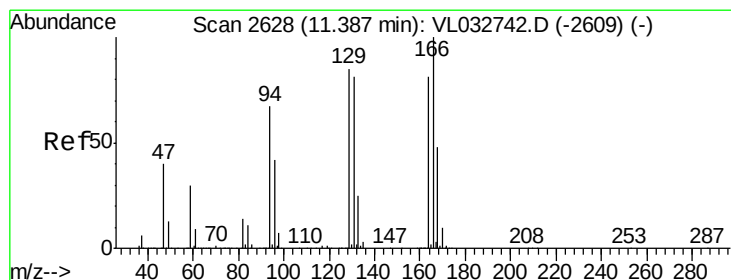
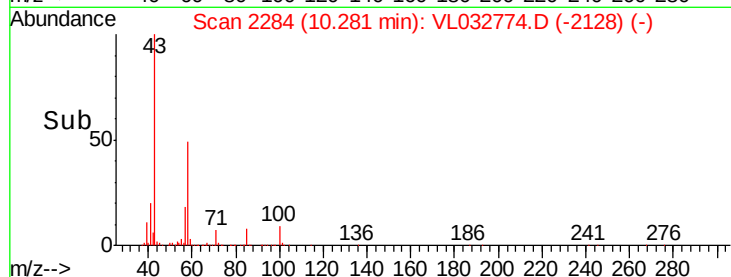
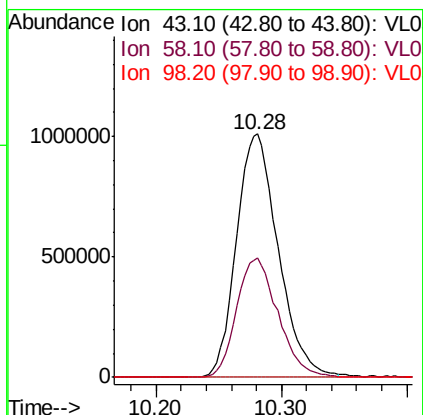
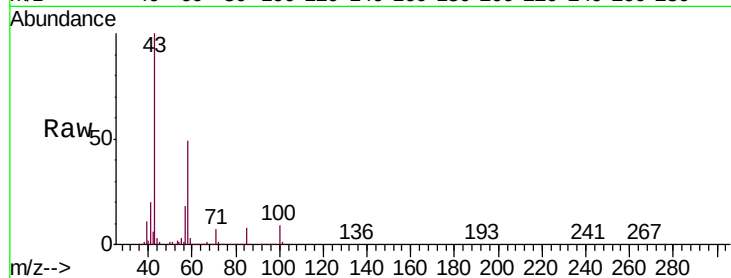




#51
2-Hexanone
Concen: 10.919 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. 0.00 min
Lab File: VL032774.D
Acq: 15 Nov 2018 00:57

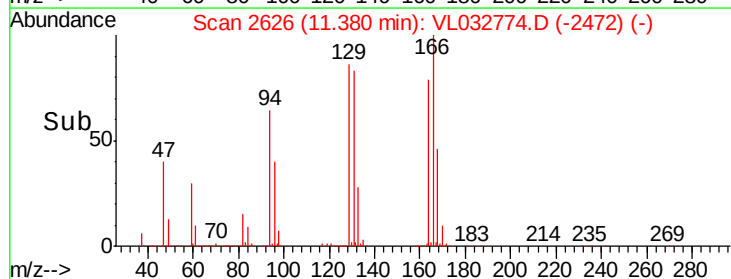
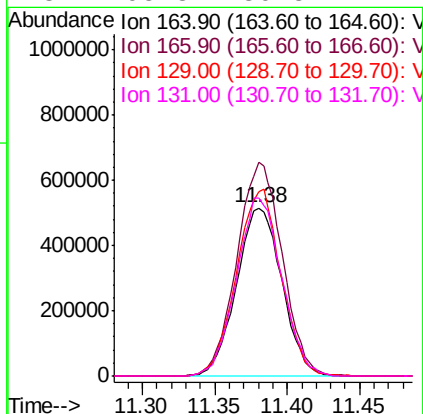
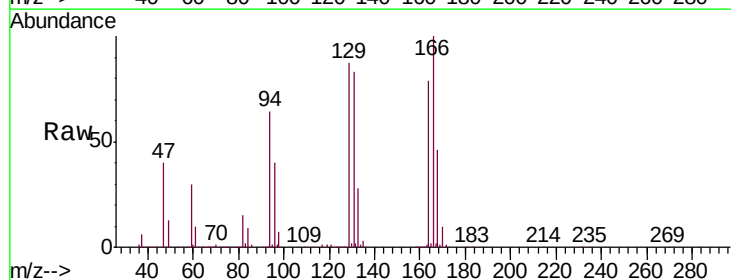
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

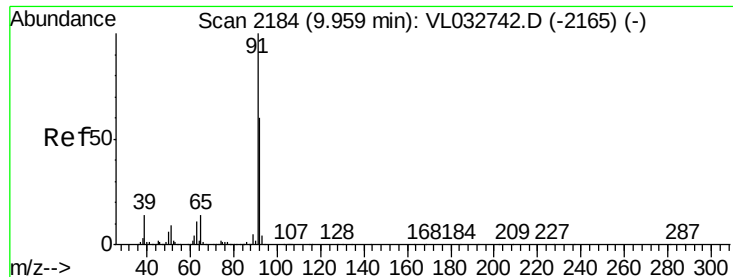
Tgt Ion: 43 Resp: 2336509
Ion Ratio Lower Upper
43 100
58 48.9 38.9 58.3
98 0.3 0.2 0.4



#52
Tetrachloroethene
Concen: 9.757 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. -0.01 min
Lab File: VL032774.D
Acq: 15 Nov 2018 00:57

Tgt Ion: 164 Resp: 1108088
Ion Ratio Lower Upper
164 100
166 127.1 99.3 148.9
129 110.1 83.9 125.9
131 105.8 80.8 121.2





#53

Toluene

Concen: 10.864 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.01 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

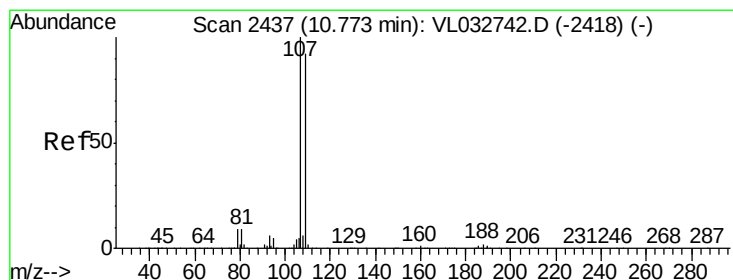
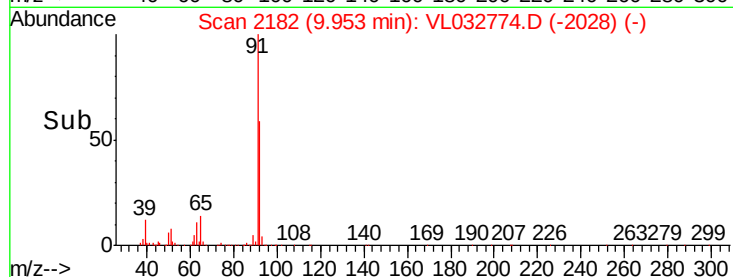
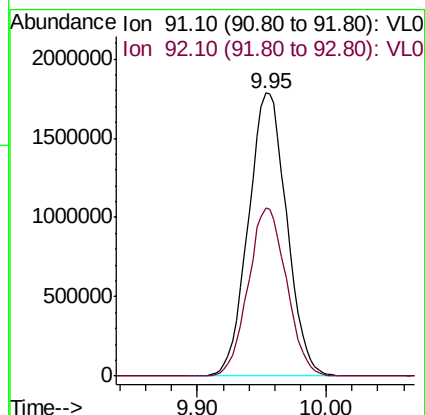
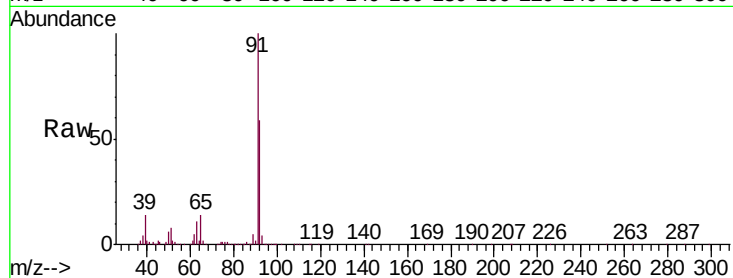
VSTDCCC010EC

Tgt Ion: 91 Resp: 3700351

Ion Ratio Lower Upper

91 100

92 59.5 47.9 71.9



#54

1,2-Dibromoethane

Concen: 9.729 ppbv

RT: 10.77 min Scan# 2435

Delta R.T. -0.01 min

Lab File: VL032774.D

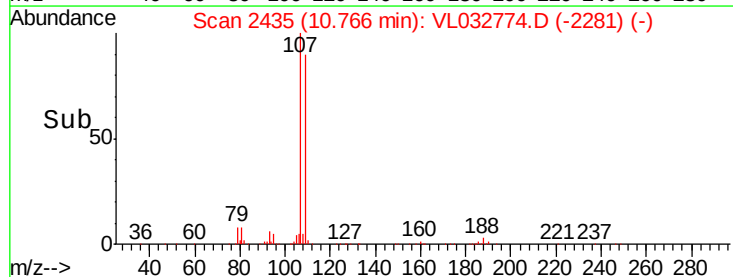
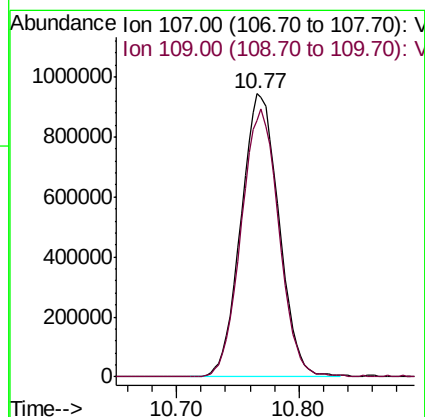
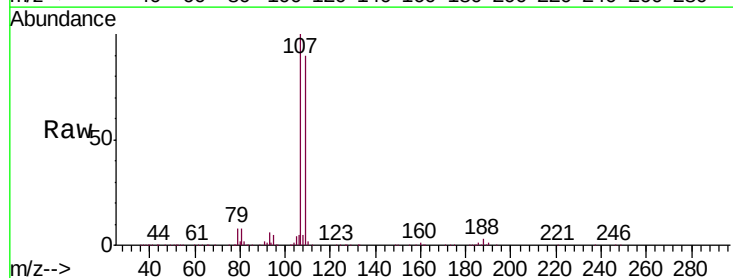
Acq: 15 Nov 2018 00:57

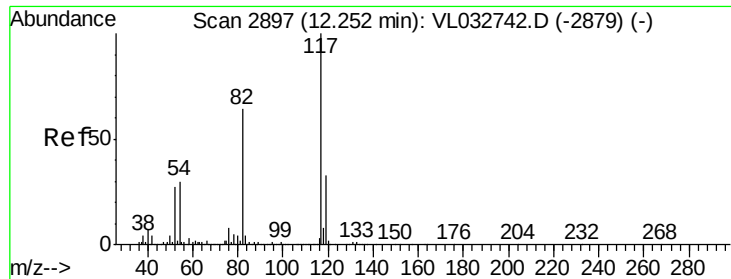
Tgt Ion: 107 Resp: 2022935

Ion Ratio Lower Upper

107 100

109 90.5 73.8 110.8

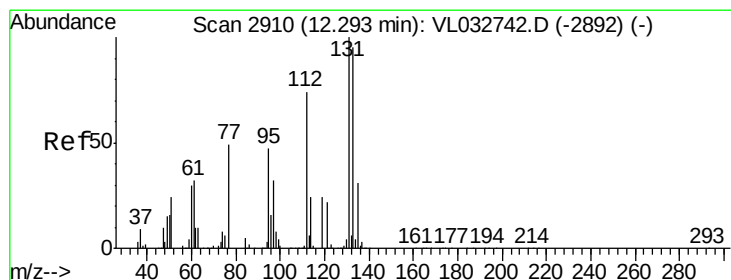
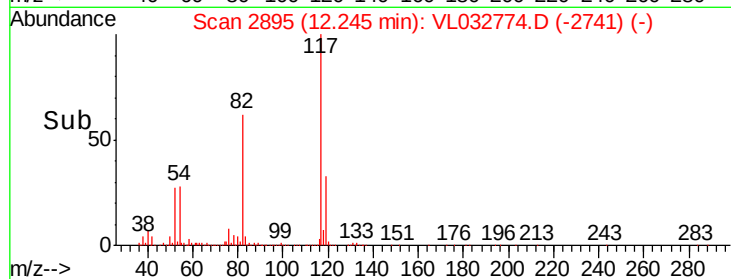
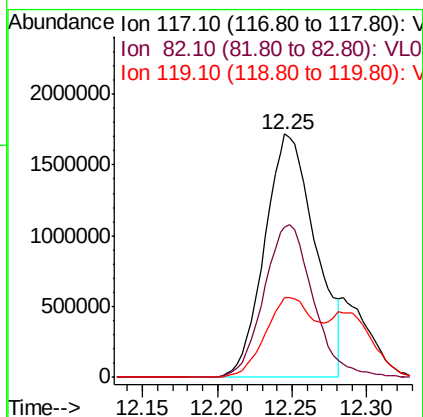
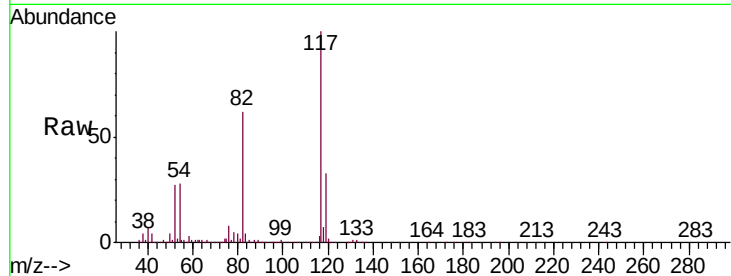




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032774.D
Acq: 15 Nov 2018 00:57

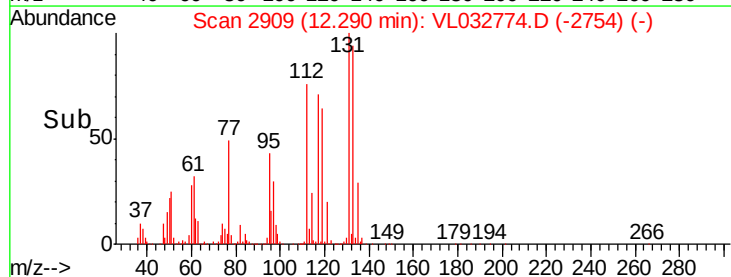
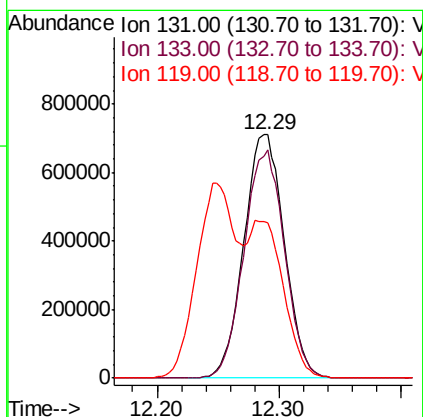
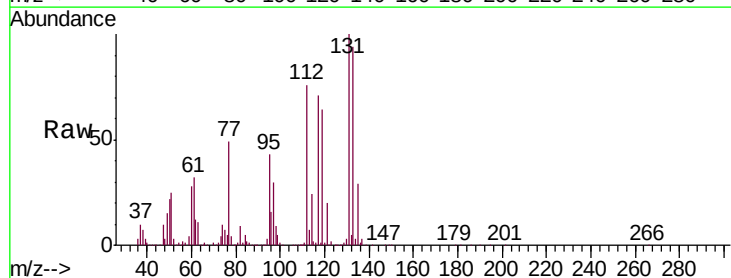
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

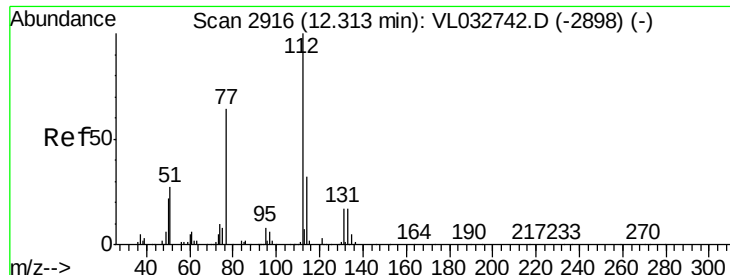
Tgt Ion:117 Resp: 4054386
Ion Ratio Lower Upper
117 100
82 61.2 51.0 76.6
119 54.9 28.0 42.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.611 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VL032774.D
Acq: 15 Nov 2018 00:57

Tgt Ion:131 Resp: 1628389
Ion Ratio Lower Upper
131 100
133 93.7 75.8 113.6
119 56.2 45.2 67.8

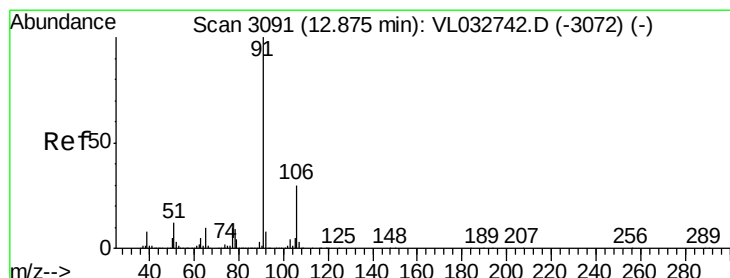
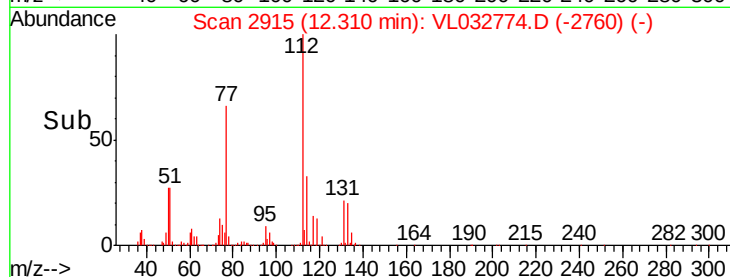
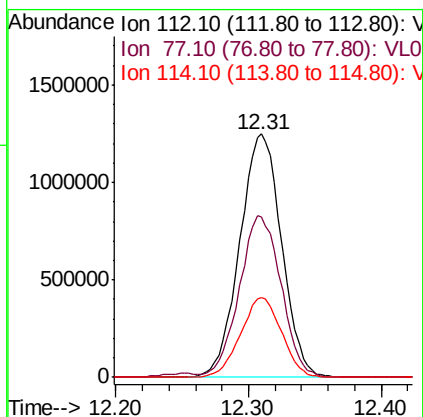
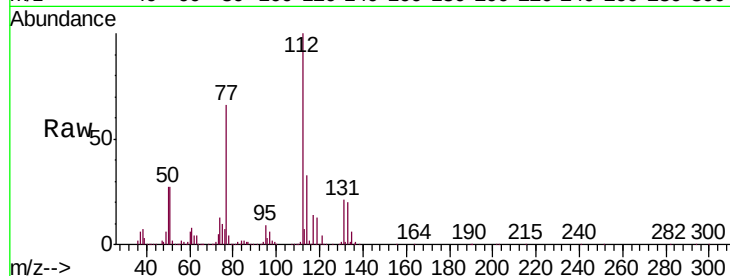




#57
Chlorobenzene
Concen: 8.806 ppbv
RT: 12.31 min Scan# 2915
Delta R.T. -0.00 min
Lab File: VL032774.D
Acq: 15 Nov 2018 00:57

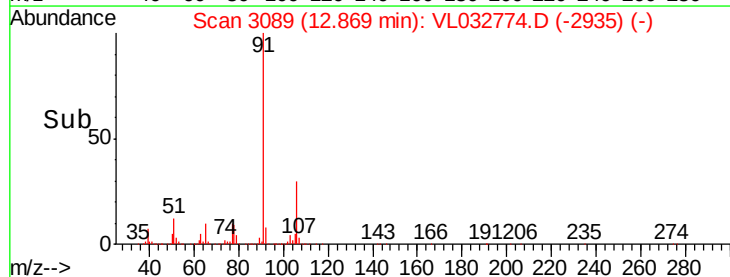
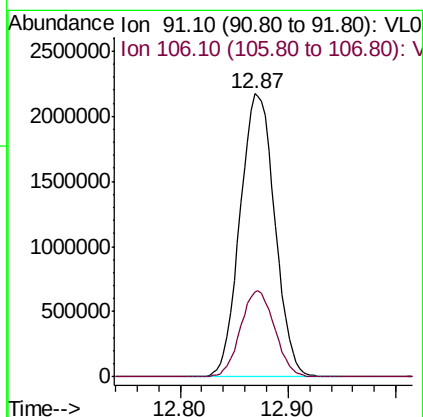
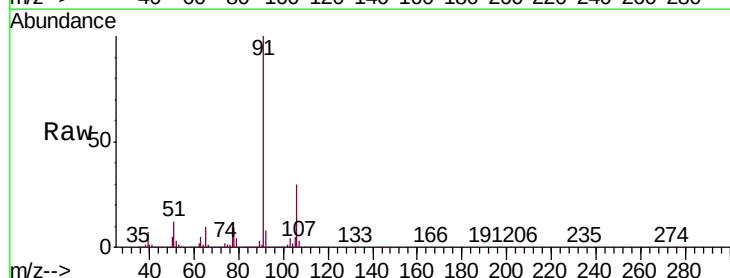
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

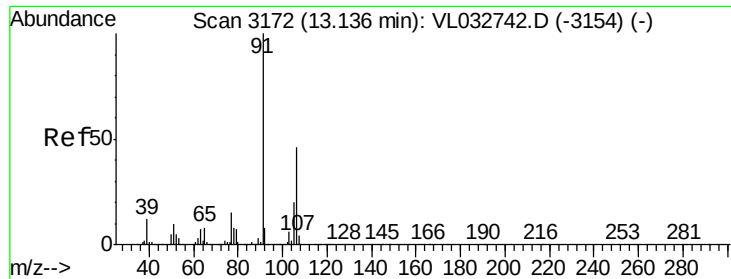
Tgt Ion: 112 Resp: 2732955
Ion Ratio Lower Upper
112 100
77 65.7 52.3 78.5
114 32.8 28.4 34.8



#58
Ethyl Benzene
Concen: 9.978 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.01 min
Lab File: VL032774.D
Acq: 15 Nov 2018 00:57

Tgt Ion: 91 Resp: 4868689
Ion Ratio Lower Upper
91 100
106 29.9 23.6 35.4

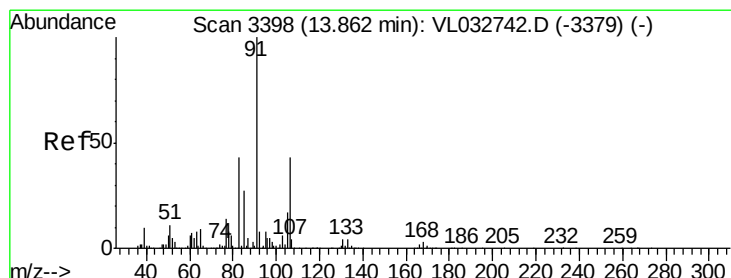
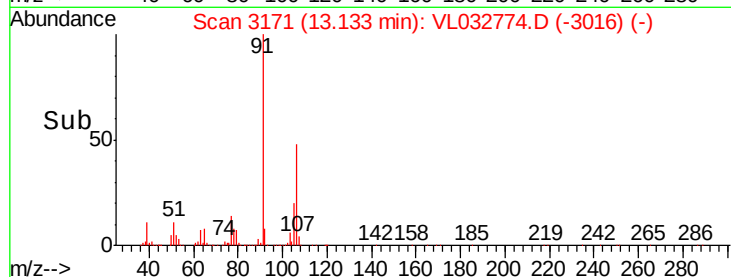
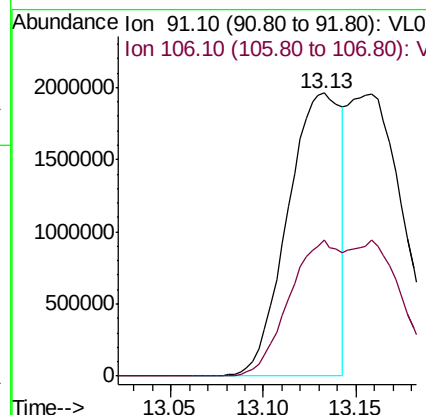
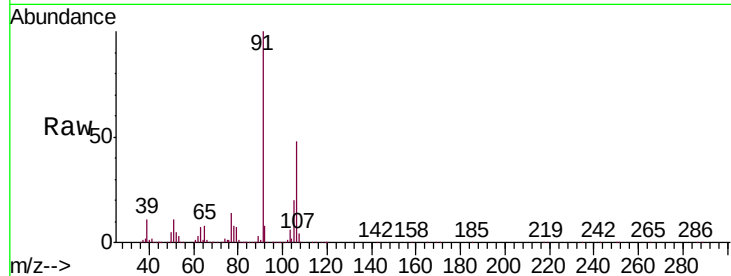




#59
m/p-Xylene
Concen: 9.017 ppbv
RT: 13.13 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VL032774.D
Acq: 15 Nov 2018 00:57

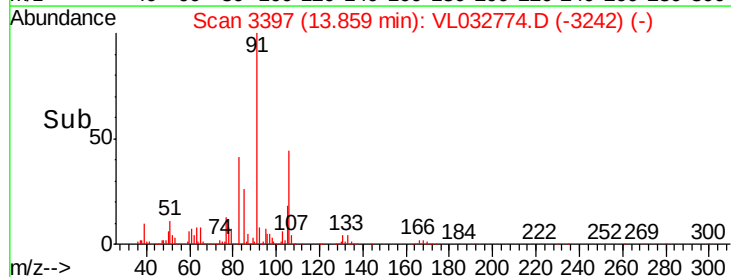
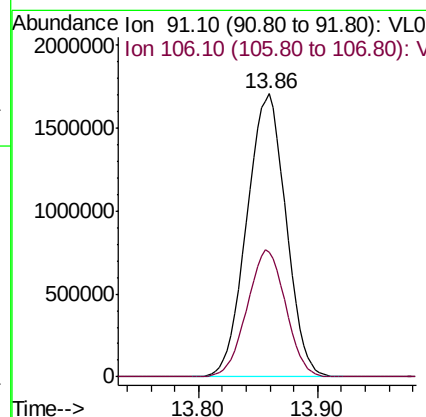
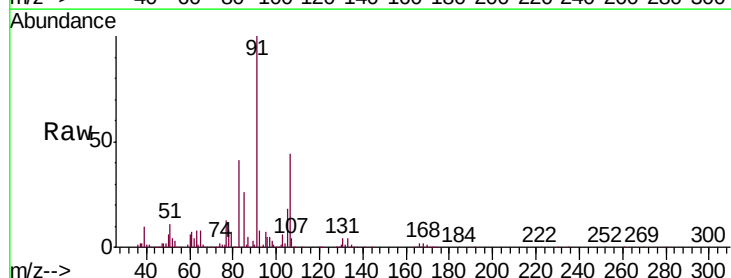
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

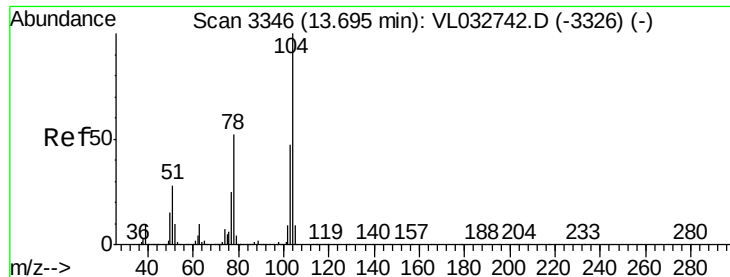
Tgt Ion: 91 Resp: 3916893
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1#



#60
o-Xylene
Concen: 8.888 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. -0.00 min
Lab File: VL032774.D
Acq: 15 Nov 2018 00:57

Tgt Ion: 91 Resp: 3881730
Ion Ratio Lower Upper
91 100
106 44.3 21.9 65.7





#61

Styrene

Concen: 10.414 ppbv

RT: 13.69 min Scan# 3344

Delta R.T. -0.01 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

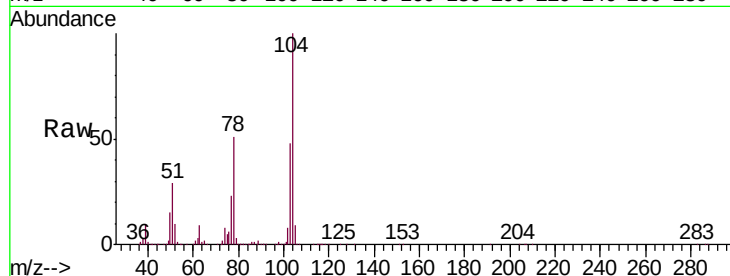
Tgt Ion:104 Resp: 2960784

Ion Ratio Lower Upper

104 100

78 51.8 42.2 63.4

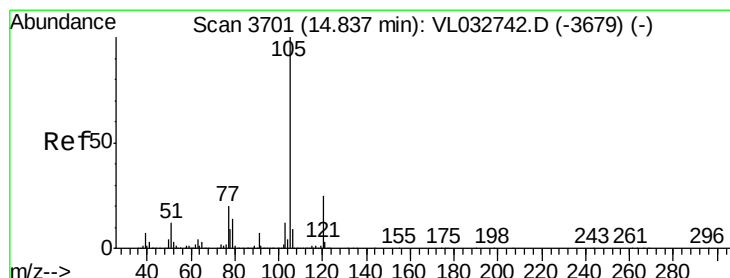
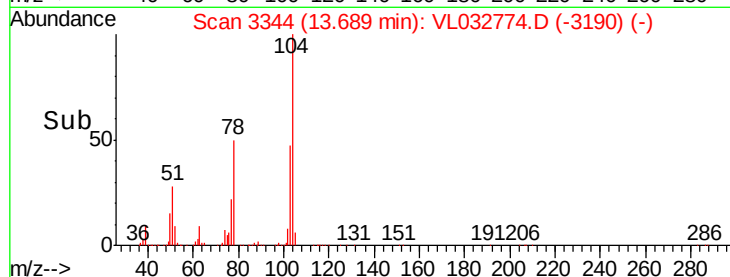
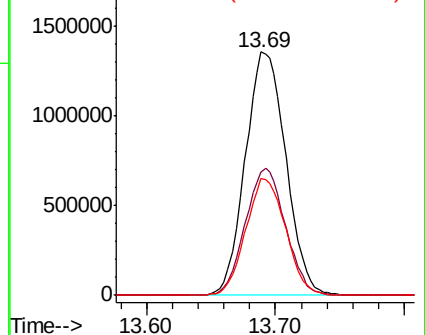
103 47.5 38.2 57.2



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: 9.229 ppbv

RT: 14.83 min Scan# 3700

Delta R.T. -0.00 min

Lab File: VL032774.D

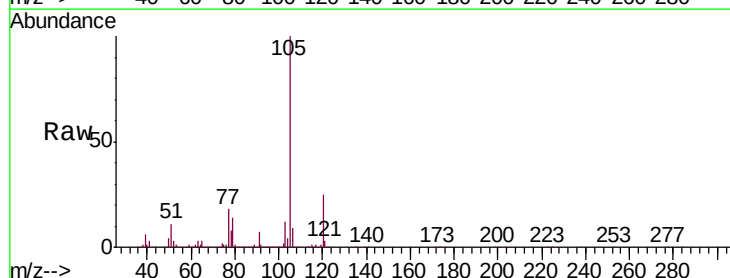
Acq: 15 Nov 2018 00:57

Tgt Ion:105 Resp: 5448559

Ion Ratio Lower Upper

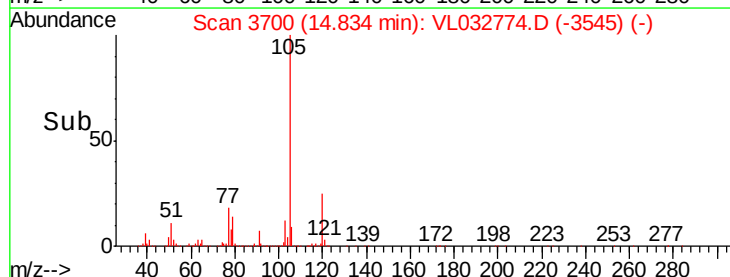
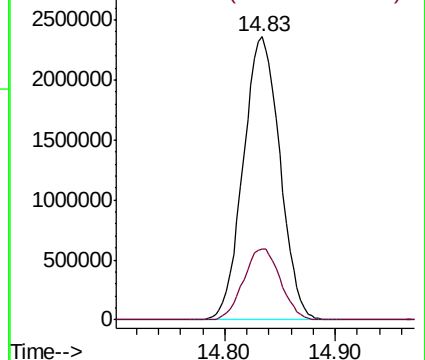
105 100

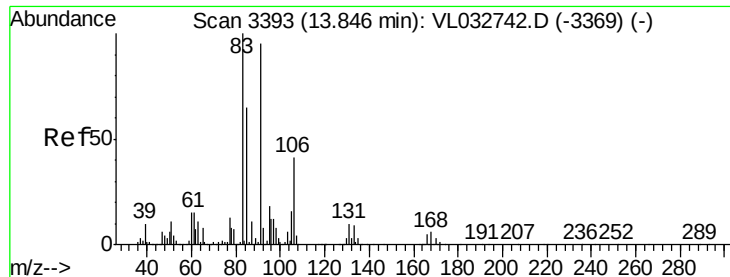
120 25.3 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

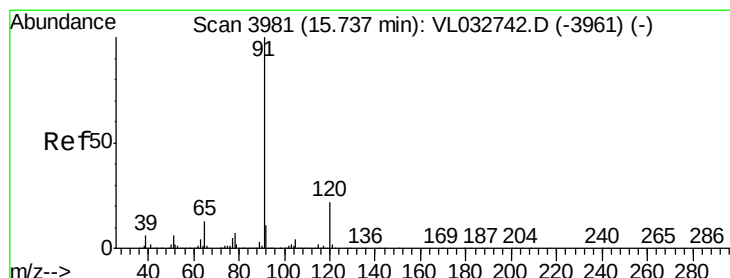
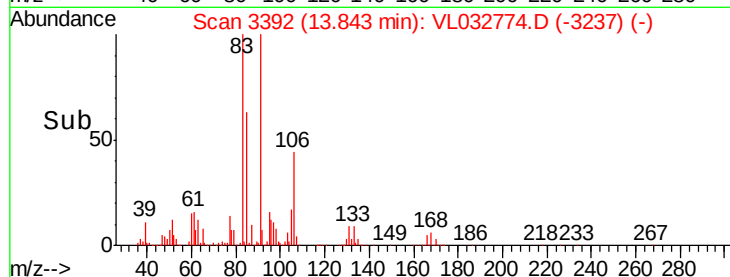
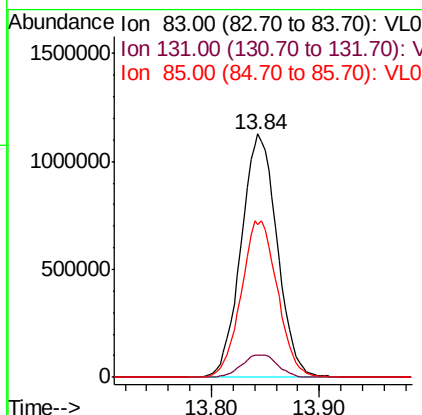
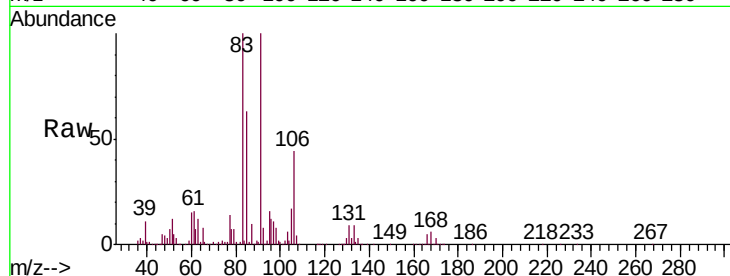




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.679 ppbv
 RT: 13.84 min Scan# 3392
 Delta R.T. -0.00 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

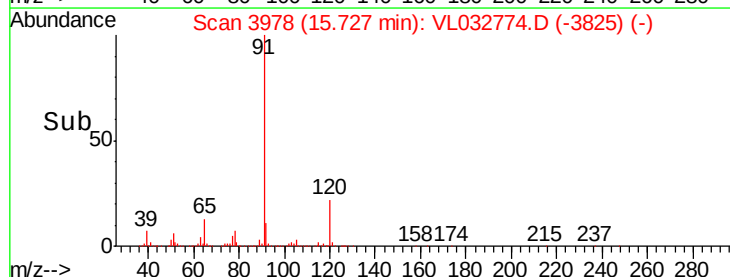
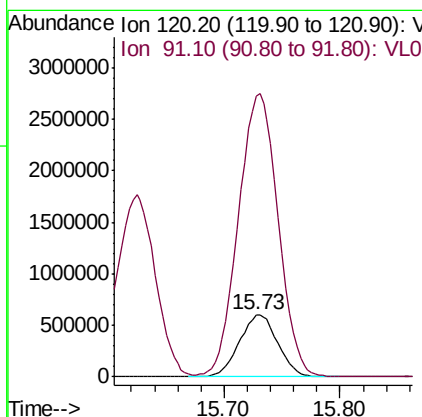
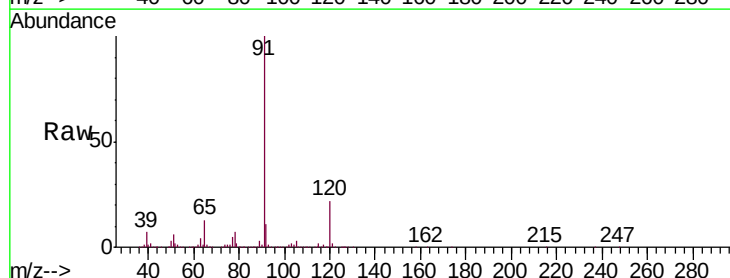
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

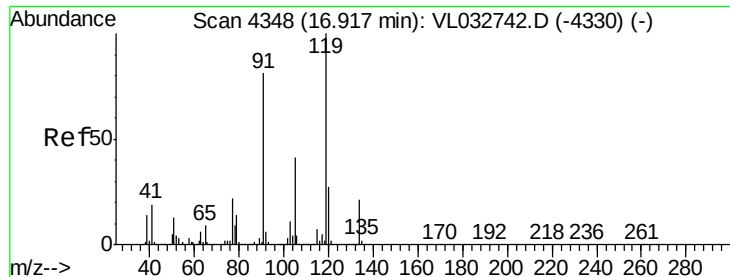
Tgt Ion: 83 Resp: 2614612
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.7 14.1
 85 64.9 32.5 97.4



#64
 n-propylbenzene
 Concen: 8.921 ppbv
 RT: 15.73 min Scan# 3978
 Delta R.T. -0.01 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

Tgt Ion: 120 Resp: 1385258
 Ion Ratio Lower Upper
 120 100
 91 471.3 381.7 572.5

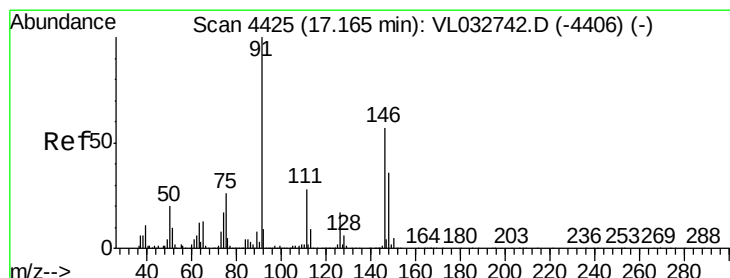
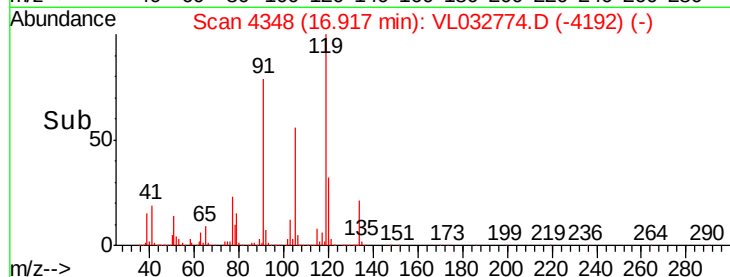
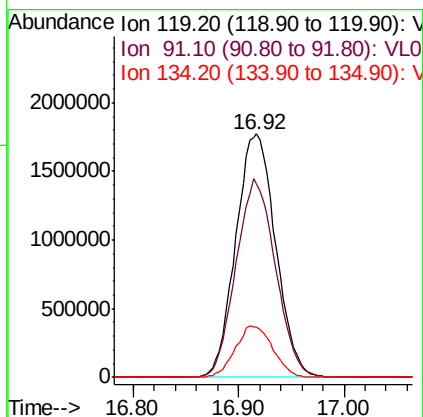
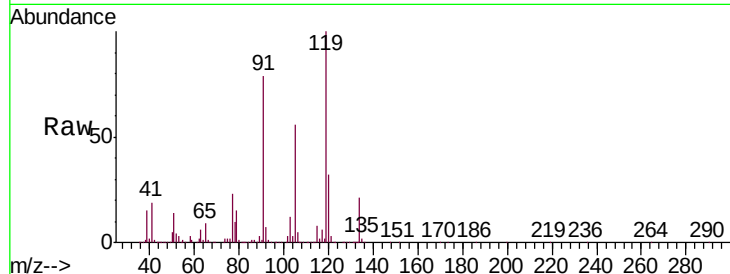




#65
 tert-Butylbenzene
 Concen: 8.786 ppbv
 RT: 16.92 min Scan# 4348
 Delta R.T. 0.00 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

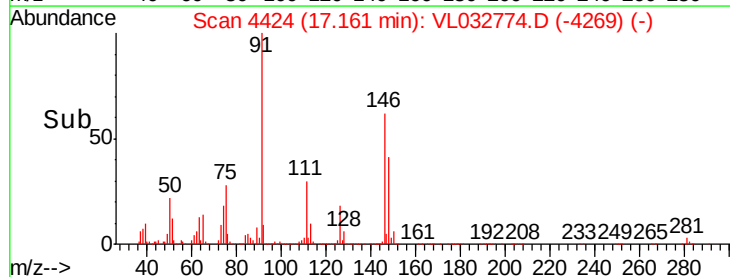
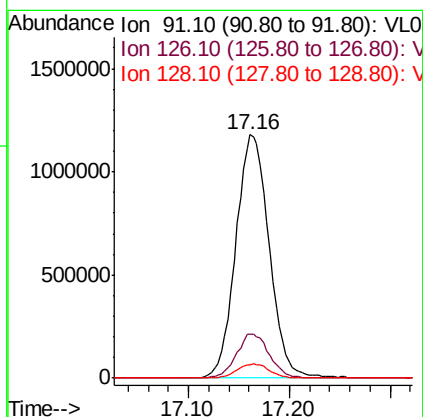
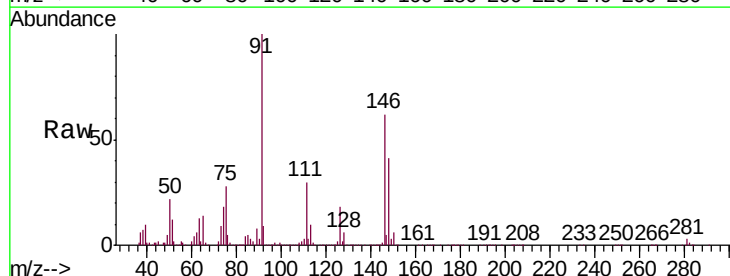
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

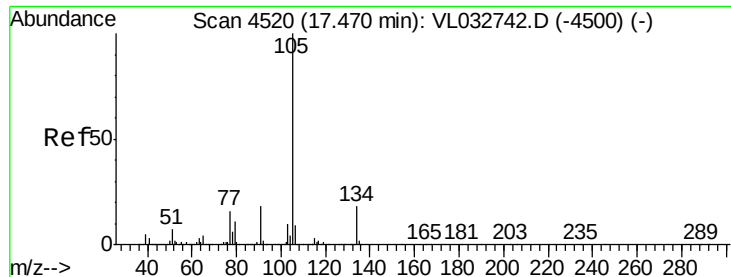
Tgt Ion: 119 Resp: 4649731
 Ion Ratio Lower Upper
 119 100
 91 81.0 65.6 98.4
 134 19.9 15.9 23.9



#66
 Benzyl Chloride
 Concen: 9.229 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. -0.00 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

Tgt Ion: 91 Resp: 2700240
 Ion Ratio Lower Upper
 91 100
 126 17.9 14.2 21.2
 128 5.8 4.5 6.7





#67

sec-Butylbenzene

Concen: 8.678 ppbv

RT: 17.47 min Scan# 4519

Delta R.T. -0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

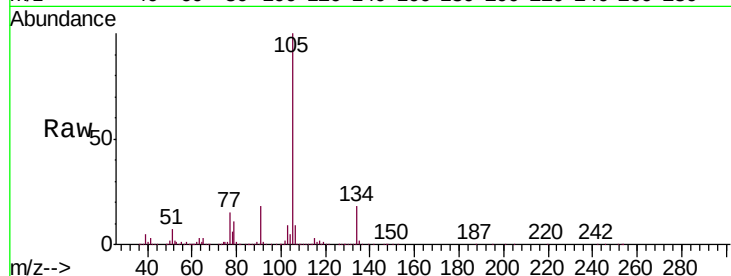
VSTDCCC010EC

Tgt Ion:105 Resp: 6618761

Ion Ratio Lower Upper

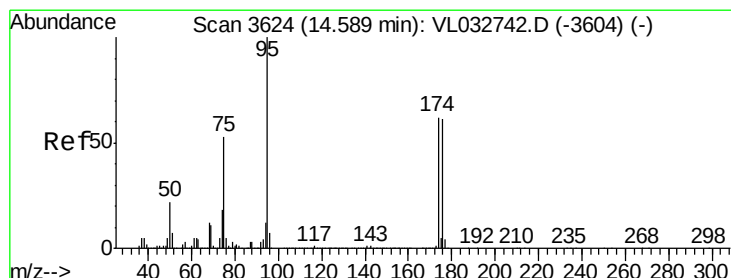
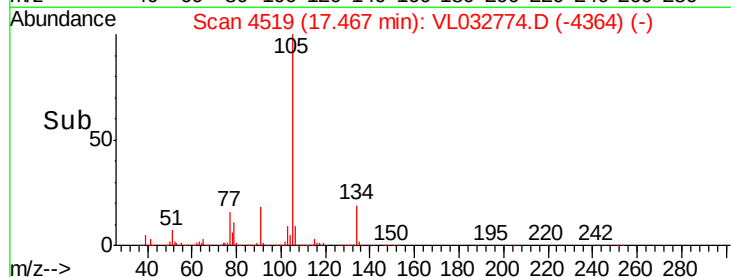
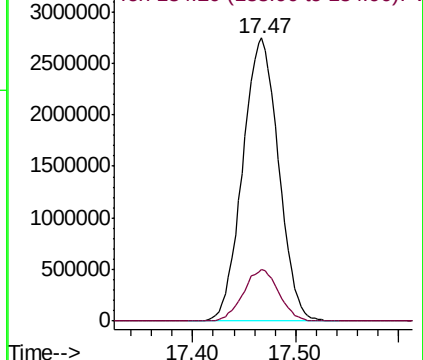
105 100

134 18.0 14.6 21.8



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: 9.519 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

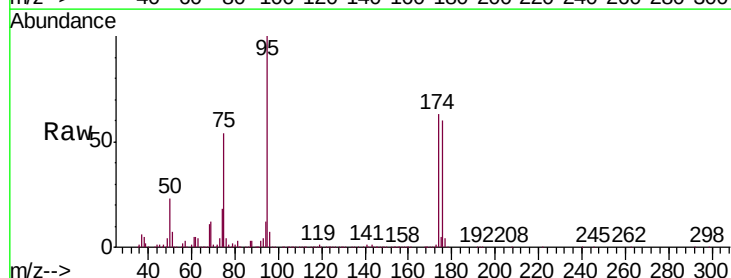
Tgt Ion: 95 Resp: 2886621

Ion Ratio Lower Upper

95 100

174 63.2 50.7 76.1

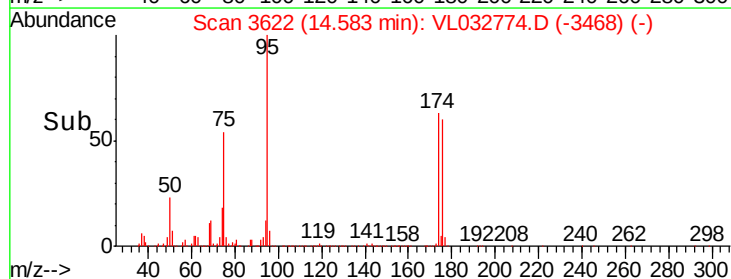
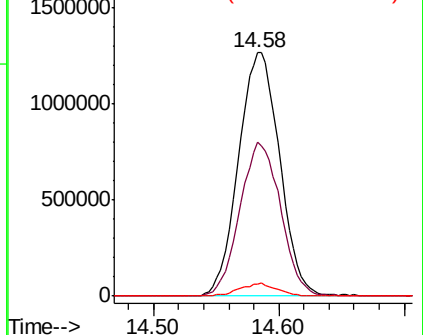
175 4.8 3.8 5.6

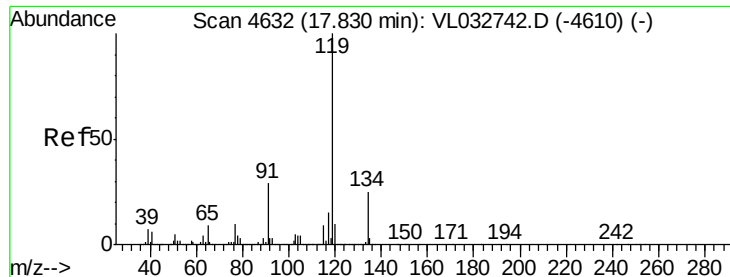


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

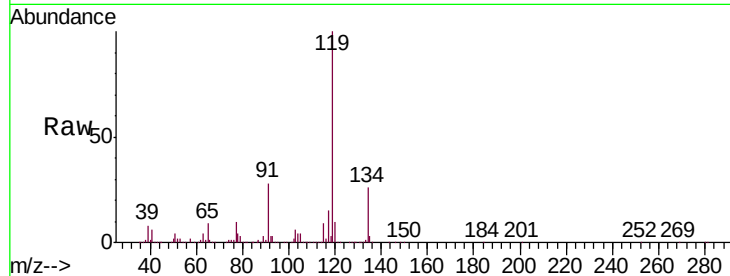




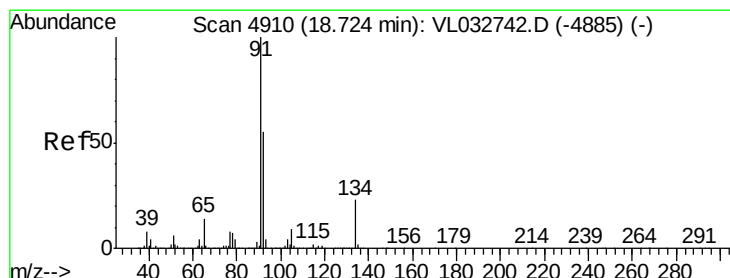
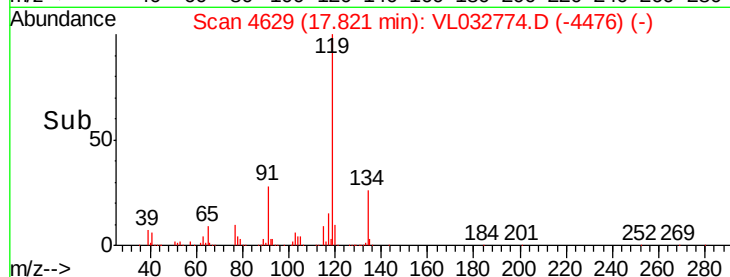
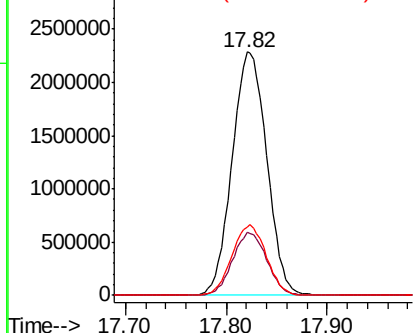
#69
 p-Isopropyltoluene
 Concen: 8.978 ppbv
 RT: 17.82 min Scan# 4629
 Delta R.T. -0.01 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 5444628
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.2 30.4
 91 28.8 23.5 35.3

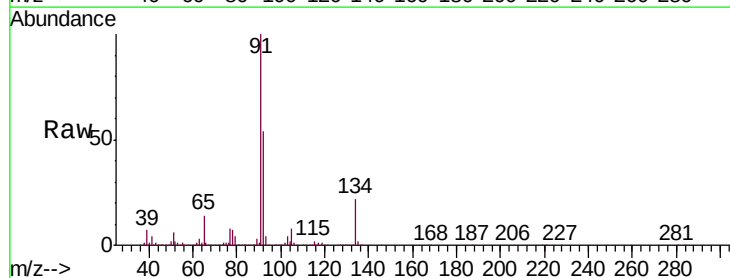


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

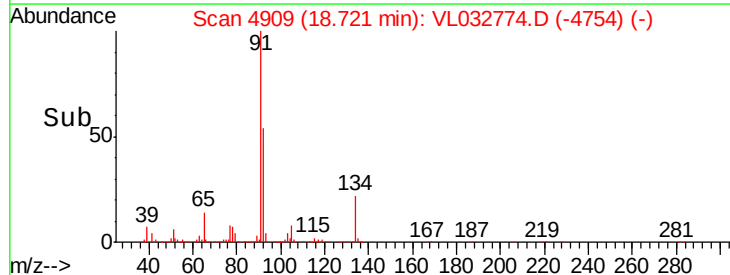
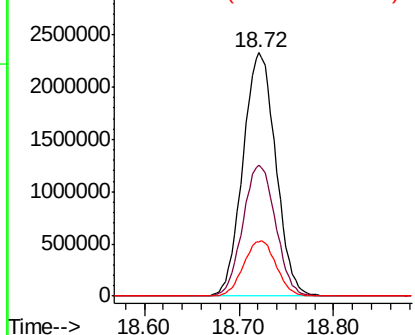


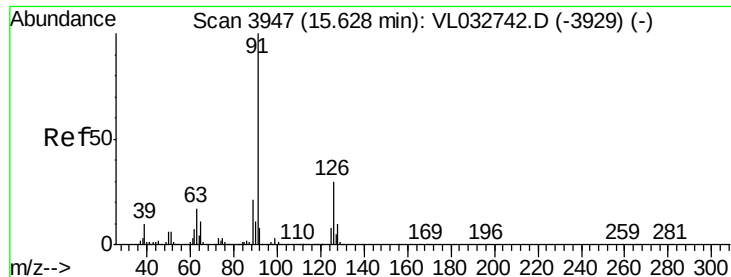
#70
 n-Butylbenzene
 Concen: 9.095 ppbv
 RT: 18.72 min Scan# 4909
 Delta R.T. -0.00 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

Tgt Ion: 91 Resp: 5600414
 Ion Ratio Lower Upper
 91 100
 92 53.8 42.9 64.3
 134 22.7 17.8 26.8



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: 9.218 ppbv

RT: 15.62 min Scan# 3946

Delta R.T. -0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

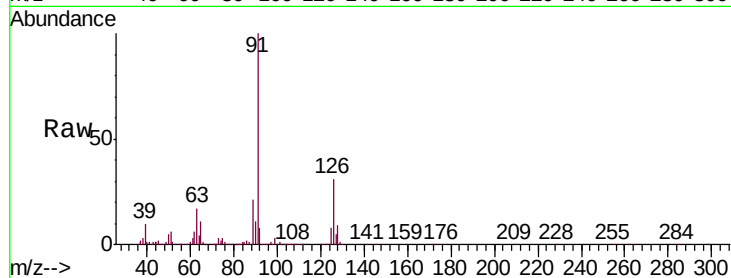
VSTDCCC010EC

Tgt Ion: 91 Resp: 4058383

Ion Ratio Lower Upper

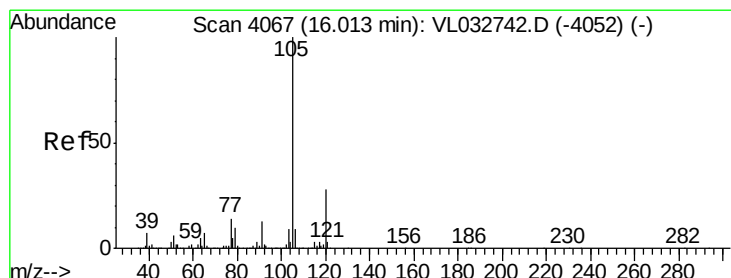
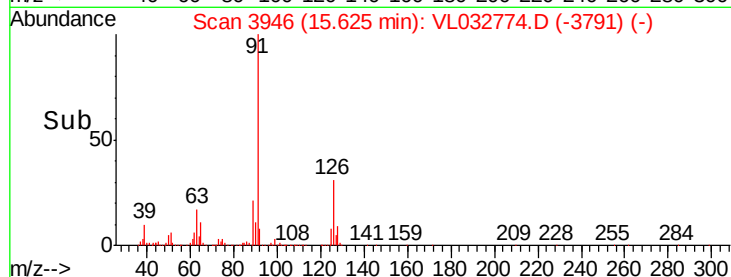
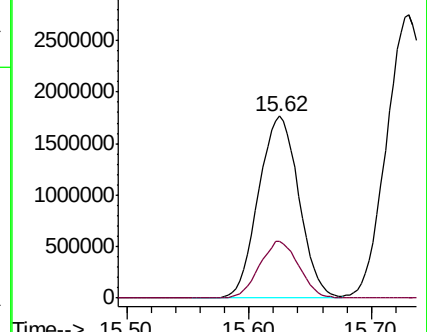
91 100

126 30.6 12.1 48.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.167 ppbv

RT: 16.01 min Scan# 4066

Delta R.T. -0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Tgt Ion: 105 Resp: 4388498

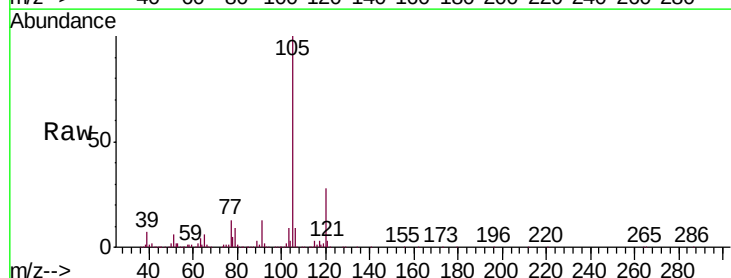
Ion Ratio Lower Upper

105 100

120 28.8 22.9 34.3

91 13.0 10.6 15.8

77 13.6 11.4 17.2

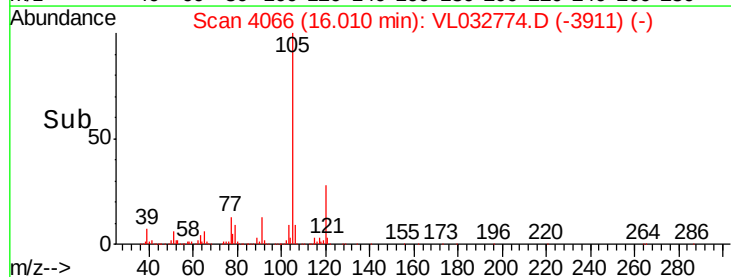
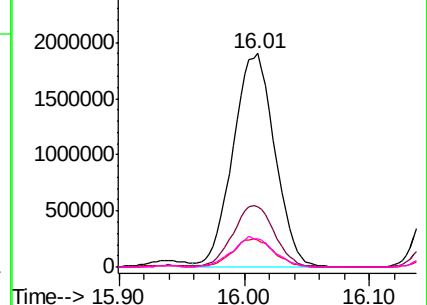


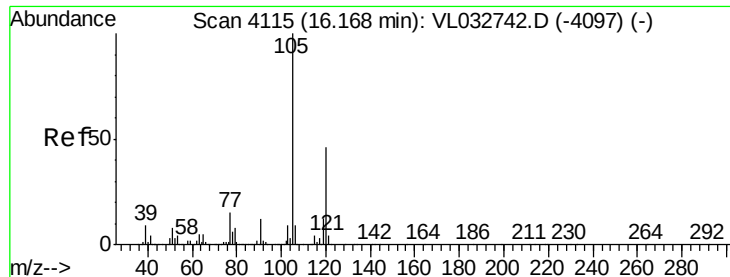
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

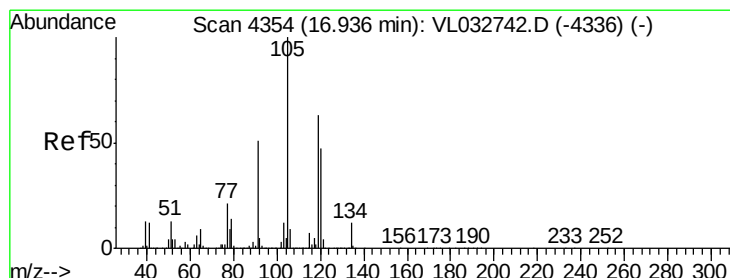
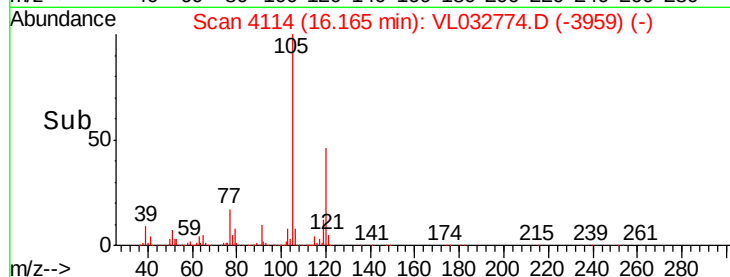
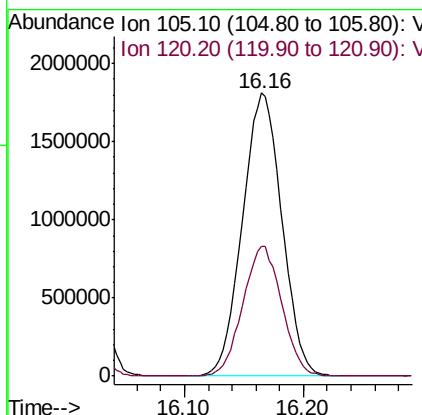
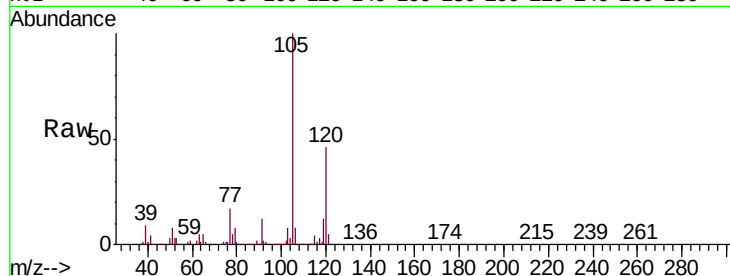




#73
 1,3,5-Trimethylbenzene
 Concen: 8.858 ppbv
 RT: 16.16 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

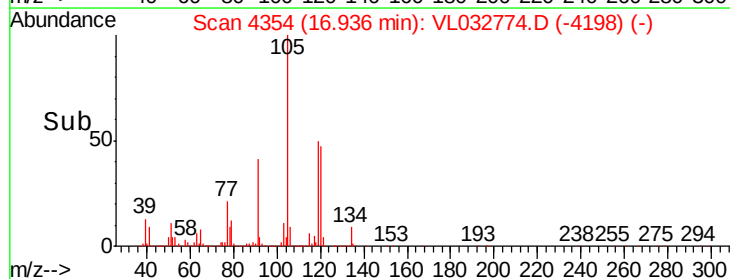
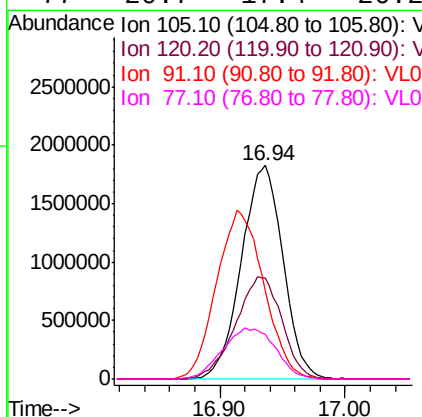
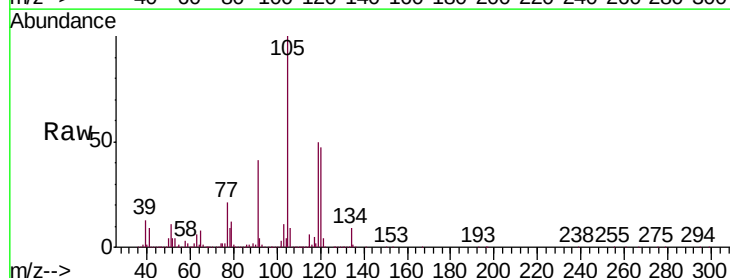
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

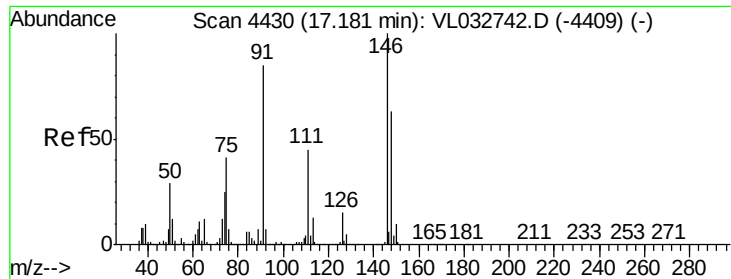
Tgt Ion:105 Resp: 4145840
 Ion Ratio Lower Upper
 105 100
 120 45.9 36.6 55.0



#74
 1,2,4-Trimethylbenzene
 Concen: 8.393 ppbv
 RT: 16.94 min Scan# 4354
 Delta R.T. 0.00 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

Tgt Ion:105 Resp: 4203925
 Ion Ratio Lower Upper
 105 100
 120 46.9 37.6 56.4
 91 41.1 42.5 63.7#
 77 20.7 17.4 26.2

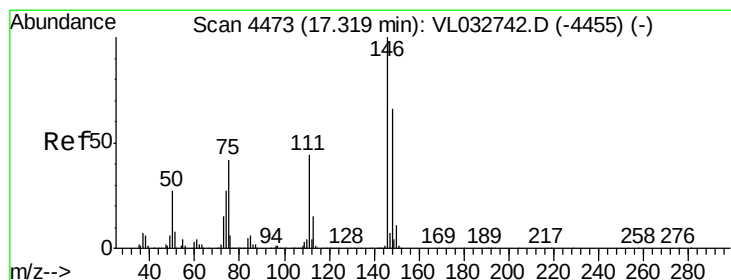
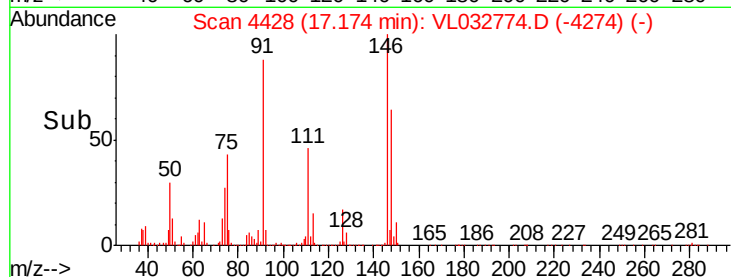
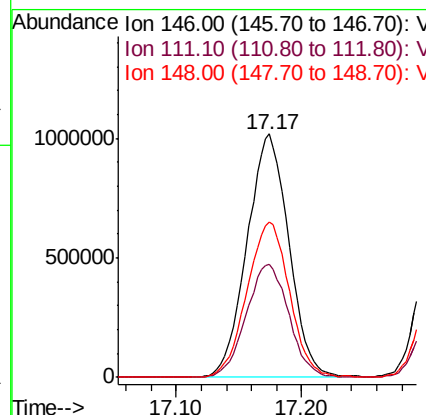
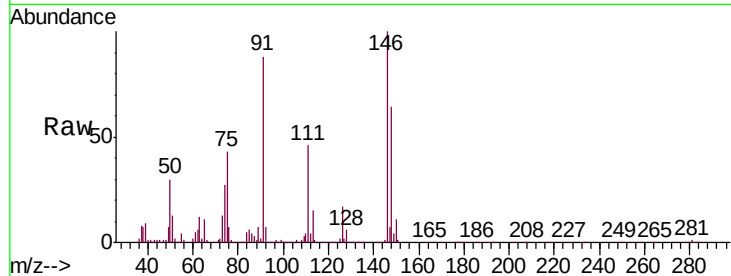




#75
 1,3-Dichlorobenzene
 Concen: 8.196 ppbv
 RT: 17.17 min Scan# 4428
 Delta R.T. -0.01 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

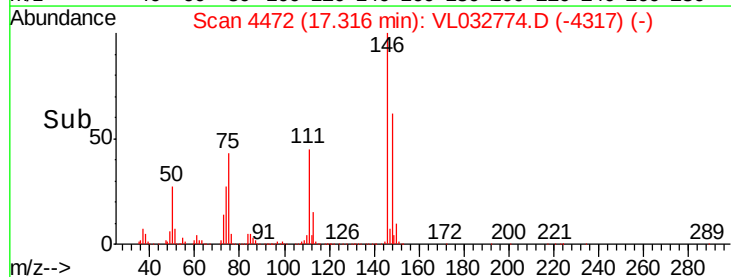
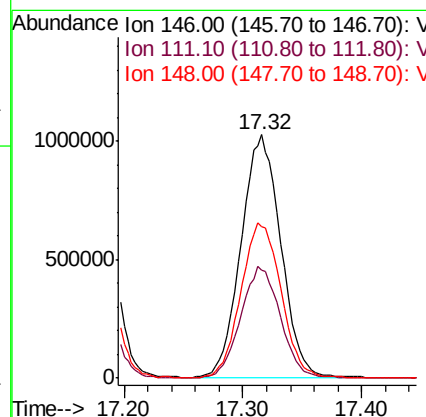
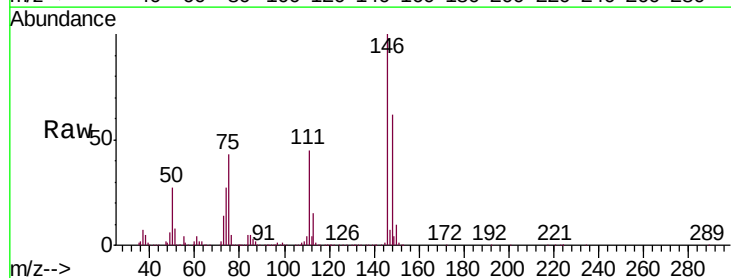
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

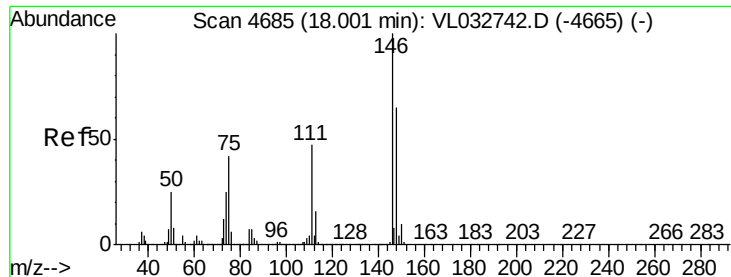
Tgt Ion:146 Resp: 2354836
 Ion Ratio Lower Upper
 146 100
 111 47.6 23.5 70.6
 148 64.9 31.8 95.3



#76
 1,4-Dichlorobenzene
 Concen: 8.782 ppbv
 RT: 17.32 min Scan# 4472
 Delta R.T. -0.00 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

Tgt Ion:146 Resp: 2356841
 Ion Ratio Lower Upper
 146 100
 111 46.0 22.5 67.5
 148 64.9 32.5 97.5

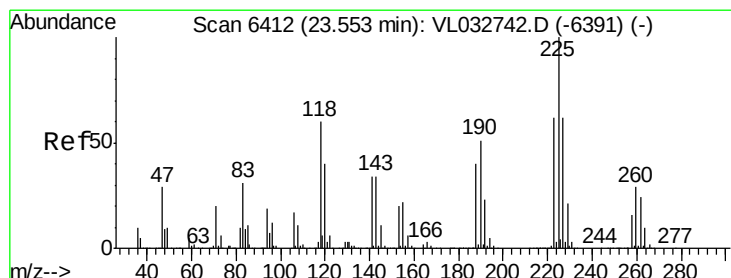
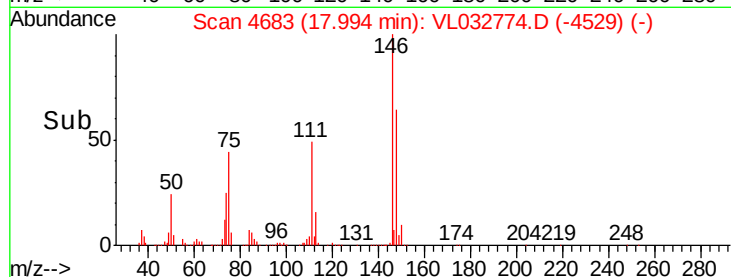
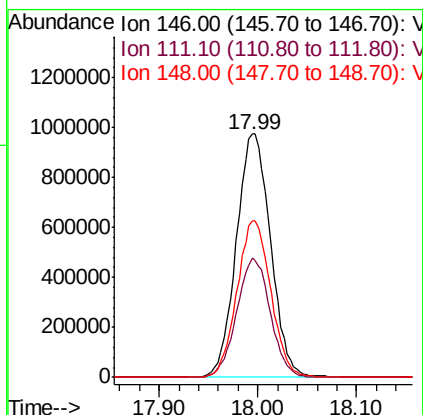
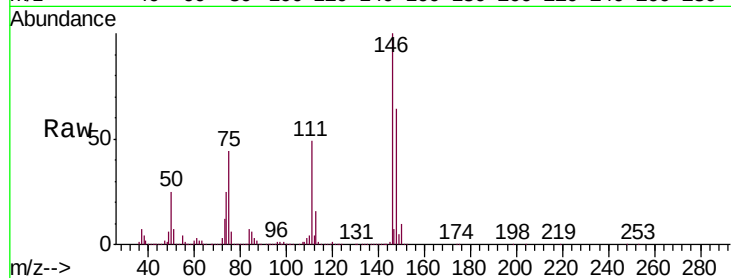




#77
 1,2-Dichlorobenzene
 Concen: 8.822 ppbv
 RT: 17.99 min Scan# 4683
 Delta R.T. -0.01 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

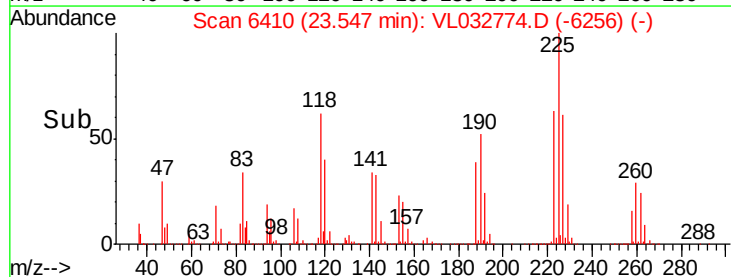
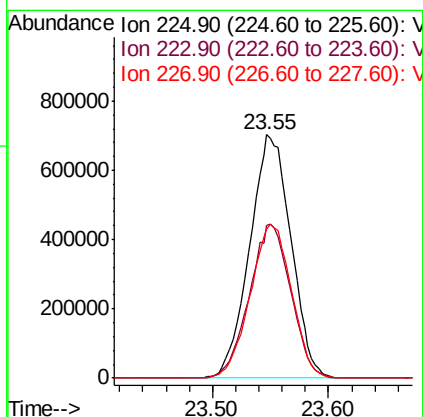
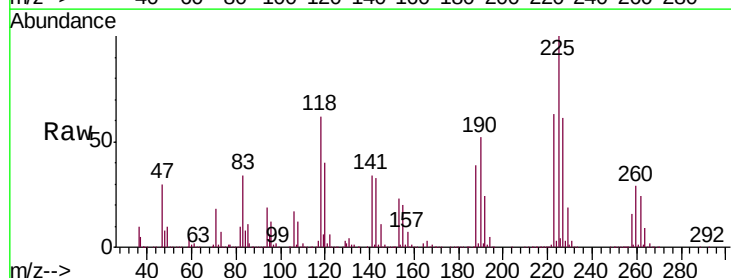
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

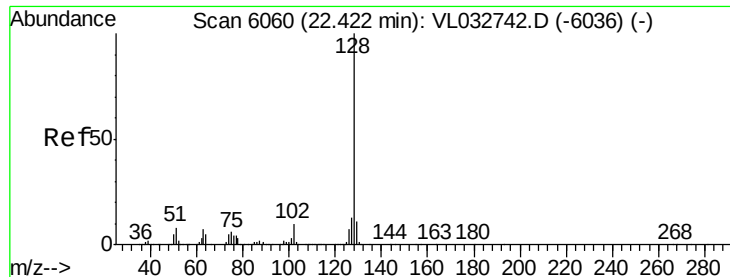
Tgt Ion:146 Resp: 2344834
 Ion Ratio Lower Upper
 146 100
 111 48.1 24.4 73.2
 148 63.7 32.2 96.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 12.122 ppbv
 RT: 23.55 min Scan# 6410
 Delta R.T. -0.01 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

Tgt Ion:225 Resp: 1738810
 Ion Ratio Lower Upper
 225 100
 223 63.2 50.3 75.5
 227 63.1 50.2 75.4





#79

Naphthalene

Concen: 12.788 ppbv

RT: 22.42 min Scan# 6060

Delta R.T. 0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

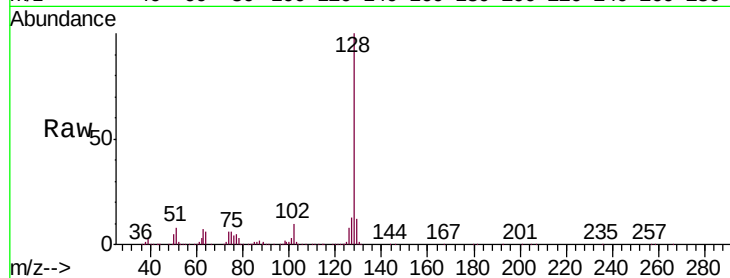
Tgt Ion:128 Resp: 4207688

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

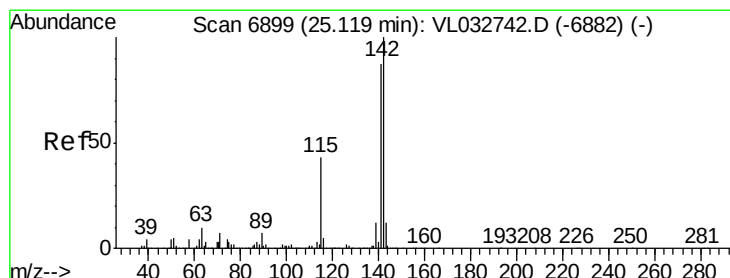
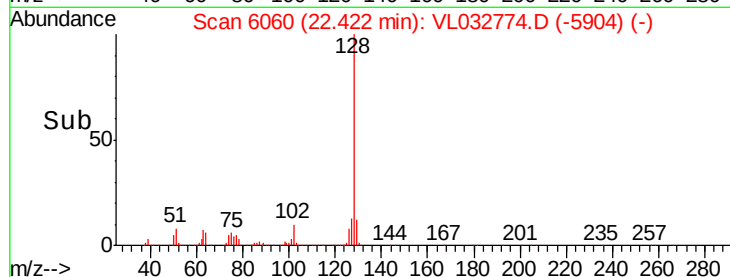
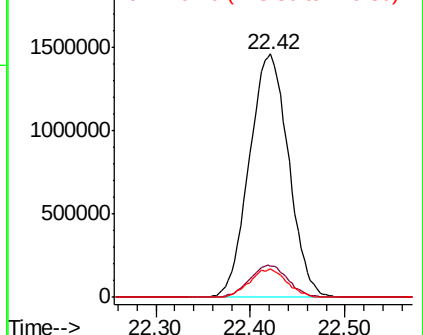
129 11.6 8.9 13.3



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: 13.630 ppbv

RT: 25.12 min Scan# 6899

Delta R.T. 0.00 min

Lab File: VL032774.D

Acq: 15 Nov 2018 00:57

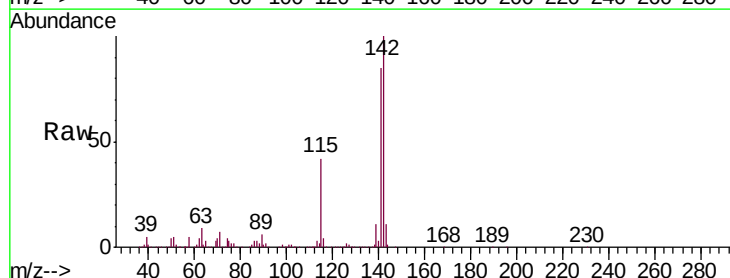
Tgt Ion:142 Resp: 1123259

Ion Ratio Lower Upper

142 100

141 84.0 68.7 103.1

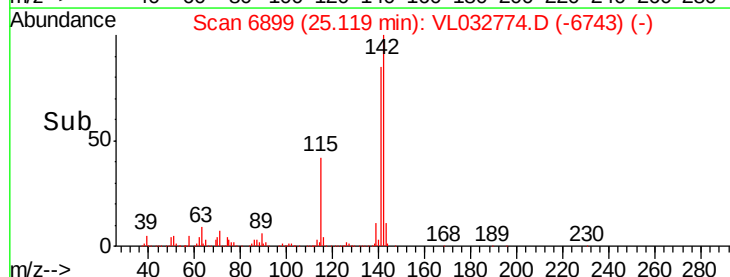
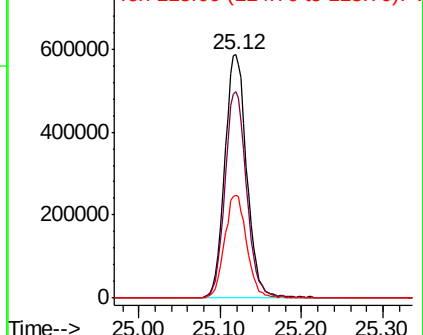
115 42.3 35.5 53.3

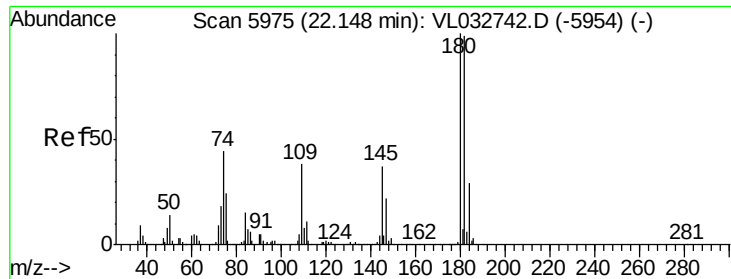


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 11.874 ppbv
 RT: 22.14 min Scan# 5973
 Delta R.T. -0.01 min
 Lab File: VL032774.D
 Acq: 15 Nov 2018 00:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1961986
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.3 115.9
 184 30.5 24.2 36.4

