

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090518\
 Data File : VL032453.D
 Acq On : 5 Sep 2018 10:53
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Sep 06 04:58:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL083118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31 21:33:46 2018
 QLast Update : Fri Aug 31 21:33:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1370930	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3127403	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	3840374	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	2280812	8.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.10	85	1246721	7.109	ppbv	100
3) Chlorodifluoromethane	3.04	51	1246395	10.044	ppbv	98
4) Chloromethane	3.20	50	730196	9.717	ppbv	99
5) Vinyl Chloride	3.32	62	698329	9.416	ppbv	100
6) Bromomethane	3.54	94	392927	10.093	ppbv	96
7) Chloroethane	3.63	64	248414	9.677	ppbv	98
8) Dichlorotetrafluoroethane	3.25	85	1489182	9.568	ppbv	95
9) Propene	3.06	41	648784	12.960	ppbv	97
10) Heptane	8.29	43	2100963	11.699	ppbv	99
11) Trichlorofluoromethane	4.04	101	1476933	9.340	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1027787	9.592	ppbv	96
13) Ethanol	3.68	45	147013	9.421	ppbv	99
14) Bromoethene	3.82	108	489421	10.781	ppbv	99
15) Acetone	3.93	43	1211741	9.815	ppbv	98
16) 1,3-Butadiene	3.39	39	589626	10.150	ppbv	93
17) tert-Butyl alcohol	4.39	59	196471	10.341	ppbv #	100
18) 1,1-Dichloroethene	4.39	96	499539	10.201	ppbv	99
19) Isopropyl Alcohol	4.05	45	984181	12.152	ppbv #	8
20) Methylene Chloride	4.44	84	418238	8.885	ppbv	96
21) Allyl Chloride	4.51	41	897723	10.948	ppbv	96
22) trans-1,2-Dichloroethene	5.00	96	500203	9.414	ppbv	98
23) Vinyl Acetate	5.19	43	2314636	11.311	ppbv #	98
24) 1,1-Dichloroethane	5.13	63	1537659	9.119	ppbv	98
25) Ethyl Acetate	5.81	43	3035165	10.411	ppbv	99
26) Hexane	5.82	57	1345748	10.309	ppbv	95
27) Carbon Disulfide	4.66	76	1223223	10.151	ppbv	98
28) Methyl tert-Butyl Ether	5.15	73	1850168	11.544	ppbv	99
29) Chloroform	5.89	83	1943449	9.764	ppbv	98
30) Cyclohexane	7.30	84	1168508	12.225	ppbv	99
31) cis-1,2-Dichloroethene	5.68	61	1411467	11.941	ppbv	95
32) 1,1,1-Trichloroethane	6.67	97	1871824	10.089	ppbv	97
34) 2-Butanone	5.37	43	2091027	10.066	ppbv	99
35) Carbon Tetrachloride	7.18	117	1842827	8.767	ppbv	98
36) Benzene	7.05	78	2799572	10.519	ppbv	99
37) 1,2-Dichloroethane	6.46	62	1468265	9.002	ppbv	98
38) Trichloroethene	8.01	130	1051374	10.399	ppbv	97
39) 1,2-Dichloropropane	7.78	63	1129238	9.917	ppbv	97
40) 1,4-Dioxane	8.00	88	423888	12.408	ppbv	69
41) Tetrahydrofuran	6.19	42	1311214	11.595	ppbv	100
42) Bromodichloromethane	7.96	83	2309678	10.267	ppbv	100
43) Methyl Methacrylate	8.18	69	1287208	11.400	ppbv	94

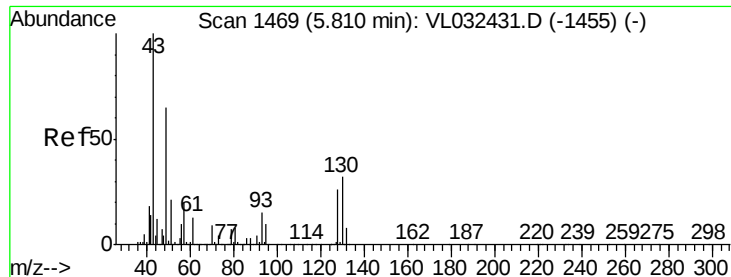
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090518\
 Data File : VL032453.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.04	57	5257331	10.218	ppbv	99
45) t-1,3-Dichloropropene	9.46	75	1585017	13.119	ppbv	98
46) cis-1,3-Dichloropropene	8.88	75	1916170	12.411	ppbv	100
47) 1,1,2-Trichloroethane	9.67	97	1211651	10.008	ppbv	98
48) Dibromochloromethane	10.50	129	1715629	10.232	ppbv	99
49) Bromoform	13.26	173	1461010	10.025	ppbv	100
50) 4-Methyl-2-Pentanone	8.92	43	3260146	10.418	ppbv	99
51) 2-Hexanone	10.32	43	2414664	11.980	ppbv #	100
52) Tetrachloroethene	11.43	164	867337	10.510	ppbv	95
53) Toluene	10.00	91	3149186	11.320	ppbv	100
54) 1,2-Dibromoethane	10.81	107	1826795	11.238	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.33	131	1250036	7.220	ppbv #	60
57) Chlorobenzene	12.36	112	2305096	7.510	ppbv	97
58) Ethyl Benzene	12.91	91	4299080	9.354	ppbv	98
59) m/p-Xylene	13.20	91	2967782	7.243	ppbv #	31
60) o-Xylene	13.90	91	3295121	8.187	ppbv	99
61) Styrene	13.74	104	2628047	10.086	ppbv	99
62) Isopropylbenzene	14.88	105	4775041	8.440	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.89	83	2384529	6.626	ppbv	100
64) n-propylbenzene	15.77	120	1267895	8.572	ppbv	100
65) tert-Butylbenzene	16.96	119	4049674	8.306	ppbv	98
66) Benzyl Chloride	17.21	91	2613471	9.623	ppbv	99
67) sec-Butylbenzene	17.51	105	6104827	8.326	ppbv	99
69) p-Isopropyltoluene	17.87	119	4886578	8.599	ppbv	99
70) n-Butylbenzene	18.77	91	5360411	8.322	ppbv	100
71) 2-Chlorotoluene	15.67	91	3805054	8.803	ppbv	100
72) 4-Ethyltoluene	16.05	105	4049102	9.215	ppbv	99
73) 1,3,5-Trimethylbenzene	16.21	105	3848417	8.742	ppbv	97
74) 1,2,4-Trimethylbenzene	16.98	105	3760790	7.814	ppbv	92
75) 1,3-Dichlorobenzene	17.22	146	2115977	7.410	ppbv	99
76) 1,4-Dichlorobenzene	17.36	146	2172169	8.198	ppbv	100
77) 1,2-Dichlorobenzene	18.04	146	2158776	7.835	ppbv	99
78) Hexachloro-1,3-Butadiene	23.59	225	712730	6.923	ppbv	100
79) Naphthalene	22.47	128	3855302	9.851	ppbv	98
80) Naphthalene,2-methyl-	25.15	142	1528298	14.676	ppbv	100
81) 1,2,4-Trichlorobenzene	22.19	180	1805679	9.160	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.80 min Scan# 1467

Delta R.T. -0.01 min

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VSTDCCC010

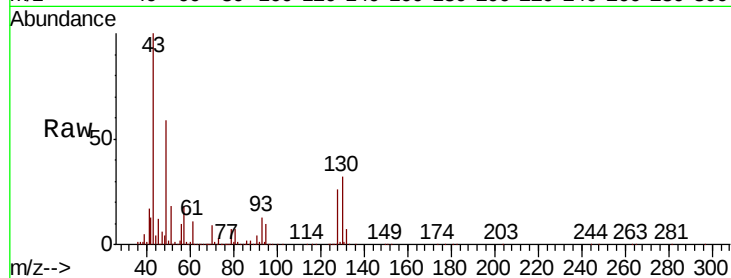
Tgt Ion: 49 Resp: 1370930

Ion Ratio Lower Upper

49 100

128 43.3 20.7 62.1

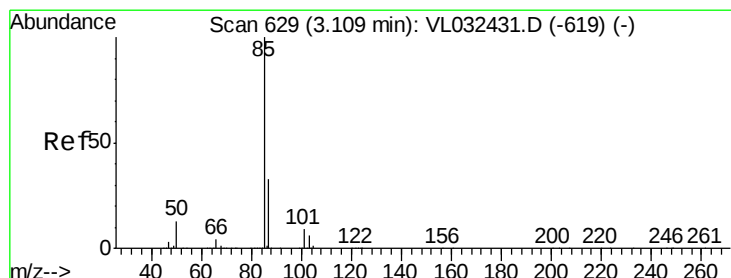
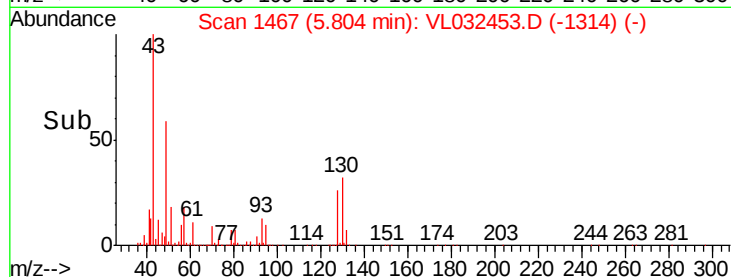
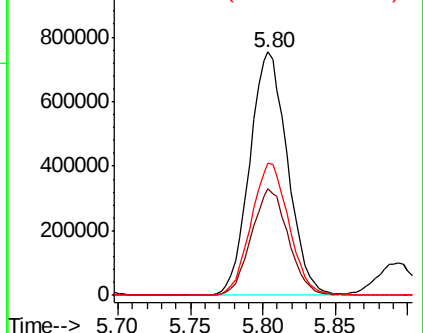
130 54.5 26.6 79.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.109 ppbv

RT: 3.10 min Scan# 627

Delta R.T. -0.01 min

Lab File: VL032453.D

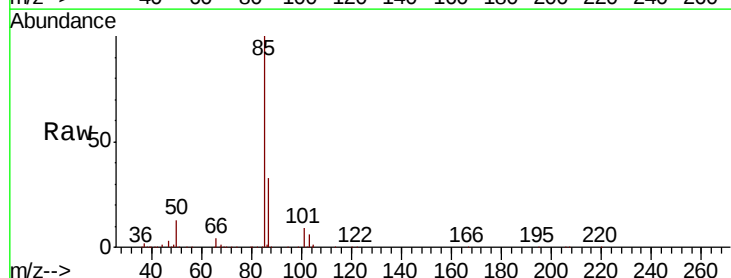
Acq: 5 Sep 2018 10:53

Tgt Ion: 85 Resp: 1246721

Ion Ratio Lower Upper

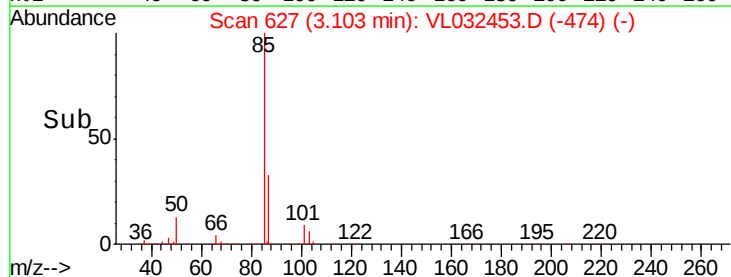
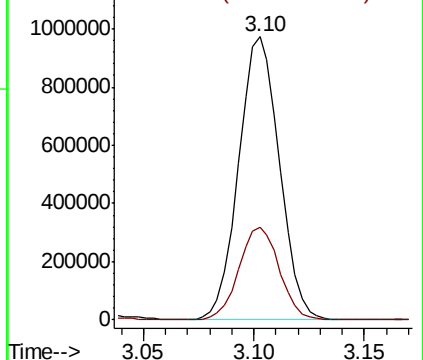
85 100

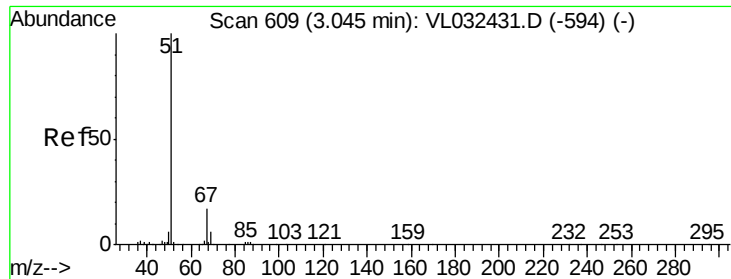
87 32.7 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.044 ppbv

RT: 3.04 min Scan# 607

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

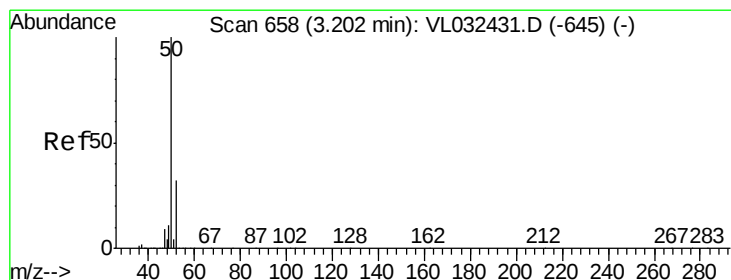
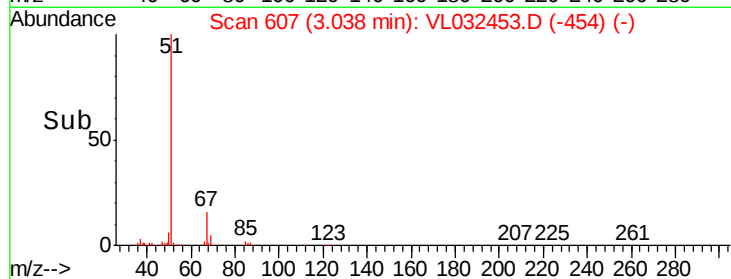
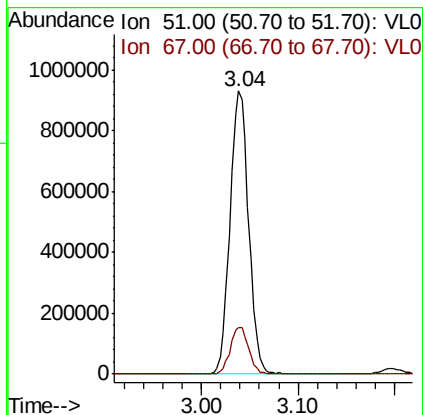
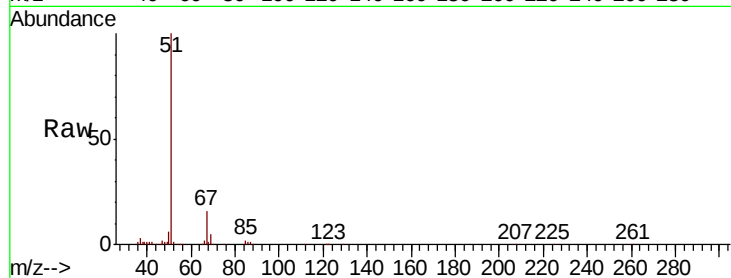
VSTDCCC010

Tgt Ion: 51 Resp: 1246395

Ion Ratio Lower Upper

51 100

67 16.4 13.8 20.8



#4

Chloromethane

Concen: 9.717 ppbv

RT: 3.20 min Scan# 656

Delta R.T. -0.01 min

Lab File: VL032453.D

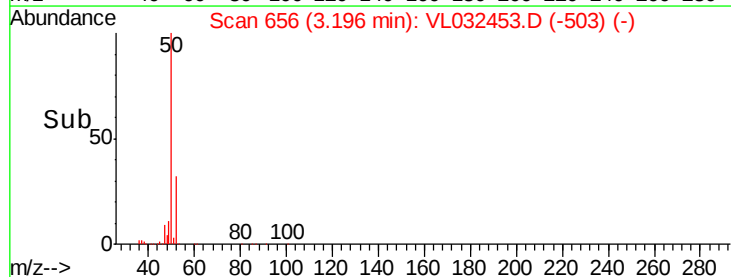
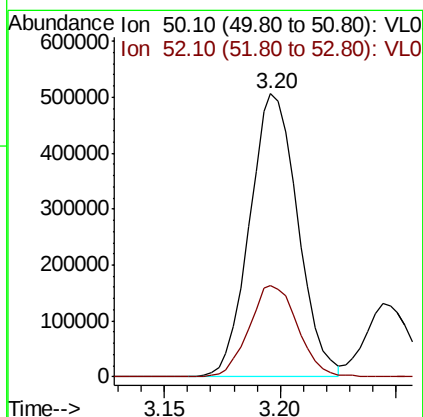
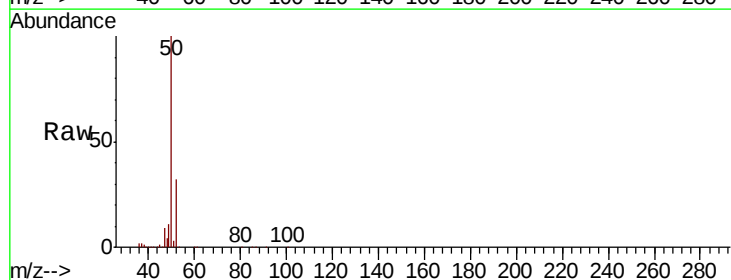
Acq: 5 Sep 2018 10:53

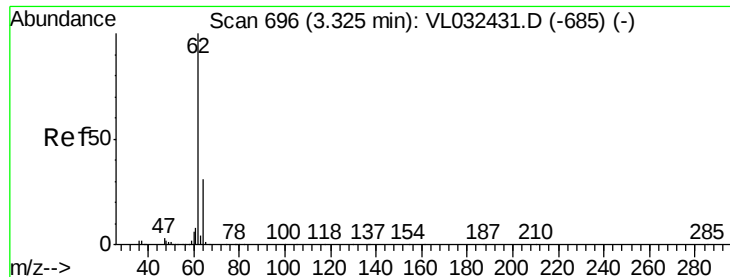
Tgt Ion: 50 Resp: 730196

Ion Ratio Lower Upper

50 100

52 32.4 25.6 38.4





#5

Vinyl Chloride

Concen: 9.416 ppbv

RT: 3.32 min Scan# 694

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

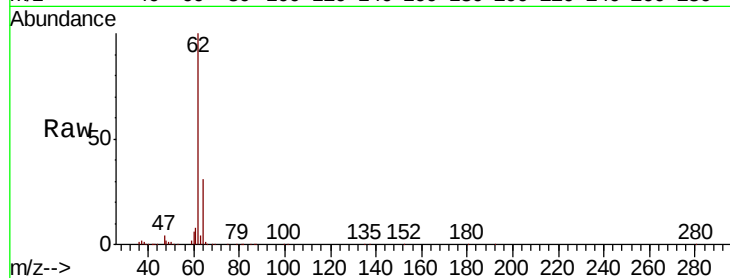
VSTDCCC010

Tgt Ion: 62 Resp: 698329

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

600000

500000

400000

300000

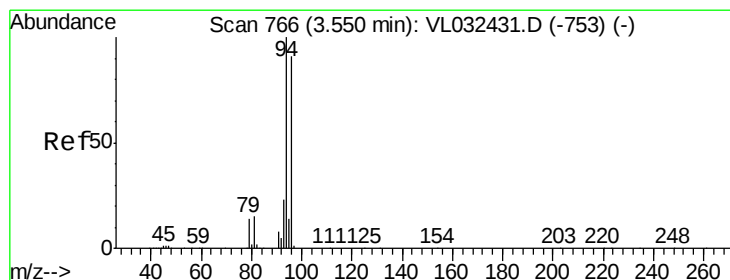
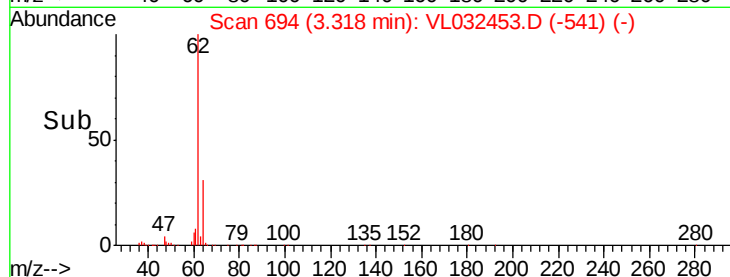
200000

100000

0

3.25 3.30 3.35 3.40

Time-->



#6

Bromomethane

Concen: 10.093 ppbv

RT: 3.54 min Scan# 764

Delta R.T. -0.01 min

Lab File: VL032453.D

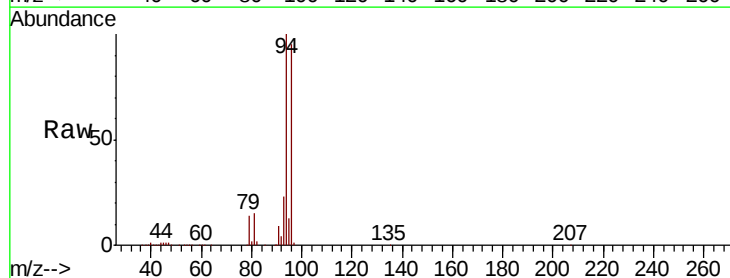
Acq: 5 Sep 2018 10:53

Tgt Ion: 94 Resp: 392927

Ion Ratio Lower Upper

94 100

96 94.7 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

300000

250000

200000

150000

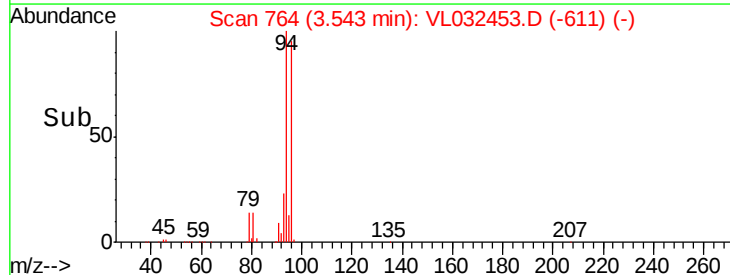
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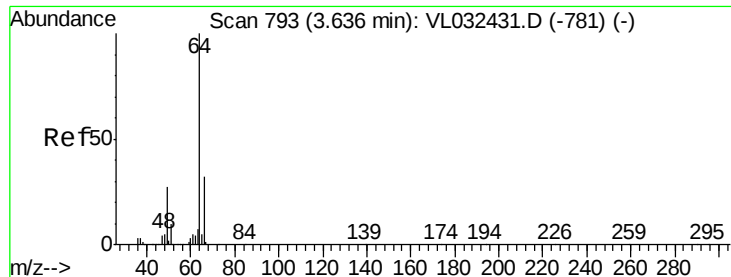
50000

0

3.50 3.55 3.60

Time-->





#7

Chloroethane

Concen: 9.677 ppbv

RT: 3.63 min Scan# 791

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

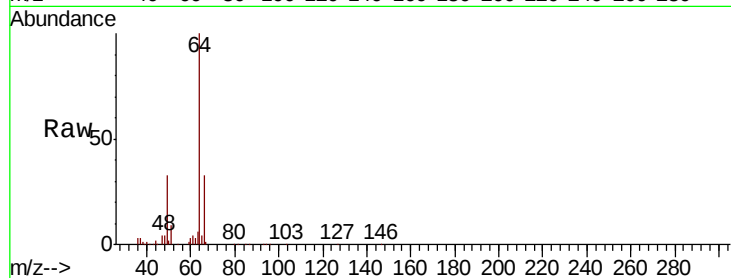
VSTDCCC010

Tgt Ion: 64 Resp: 248414

Ion Ratio Lower Upper

64 100

66 33.2 25.8 38.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.63

200000

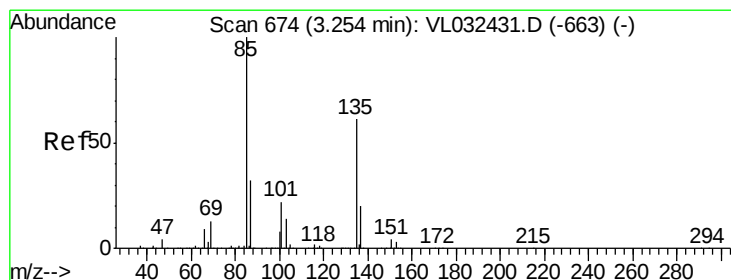
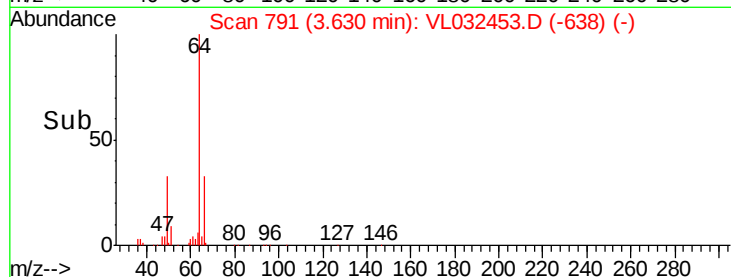
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.568 ppbv

RT: 3.25 min Scan# 672

Delta R.T. -0.01 min

Lab File: VL032453.D

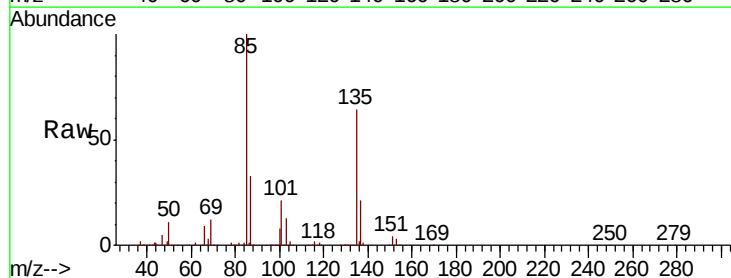
Acq: 5 Sep 2018 10:53

Tgt Ion: 85 Resp: 1489182

Ion Ratio Lower Upper

85 100

135 64.4 48.6 72.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.25

1200000

1000000

800000

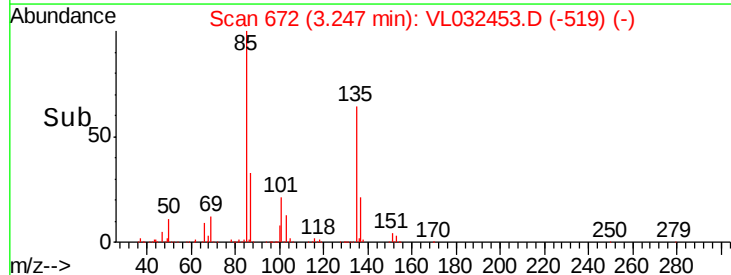
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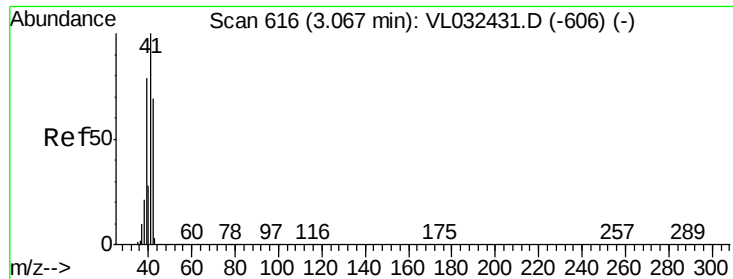
400000

200000

0

Time-->





#9

Propene

Concen: 12.960 ppbv

RT: 3.06 min Scan# 614

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

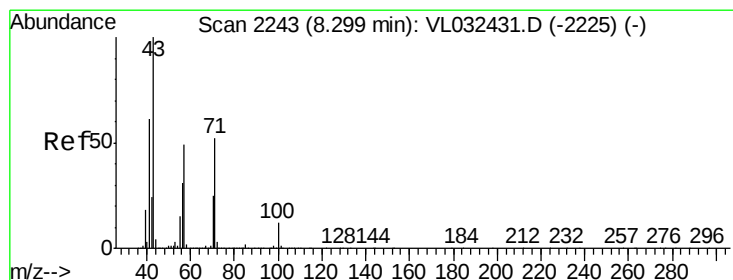
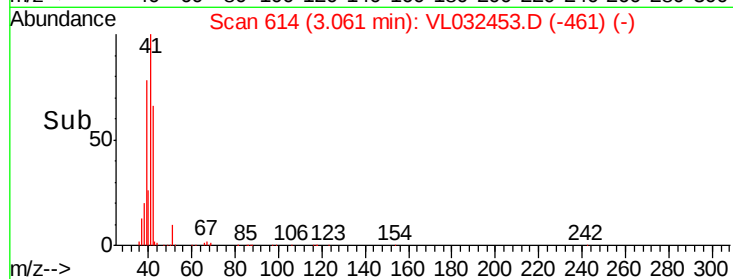
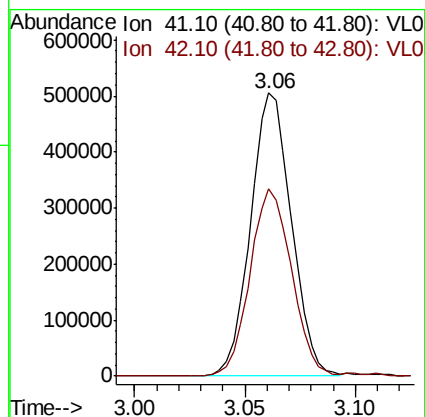
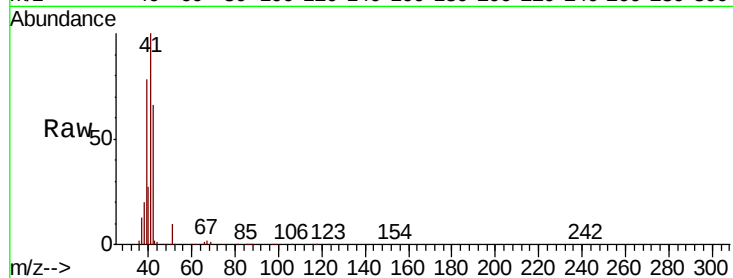
VSTDCCC010

Tgt Ion: 41 Resp: 648784

Ion Ratio Lower Upper

41 100

42 68.3 56.6 84.8



#10

Heptane

Concen: 11.699 ppbv

RT: 8.29 min Scan# 2241

Delta R.T. -0.01 min

Lab File: VL032453.D

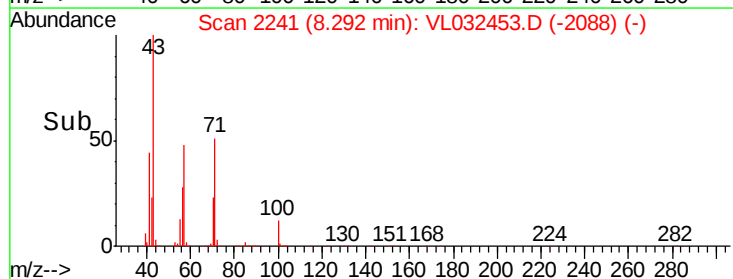
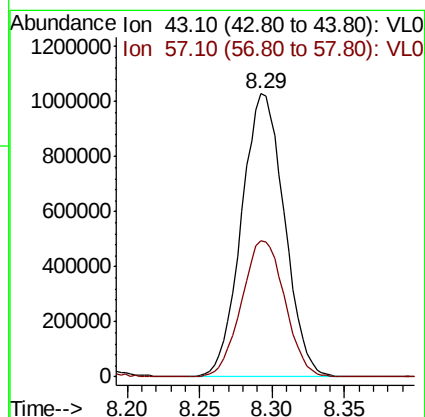
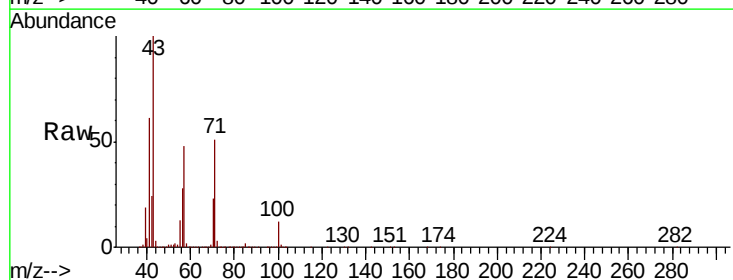
Acq: 5 Sep 2018 10:53

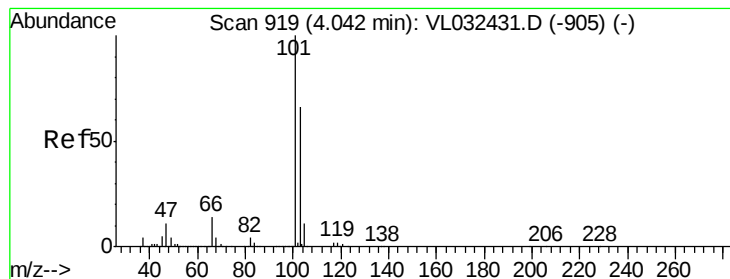
Tgt Ion: 43 Resp: 2100963

Ion Ratio Lower Upper

43 100

57 49.1 39.6 59.4





#11

Trichlorofluoromethane

Concen: 9.340 ppbv

RT: 4.04 min Scan# 917

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

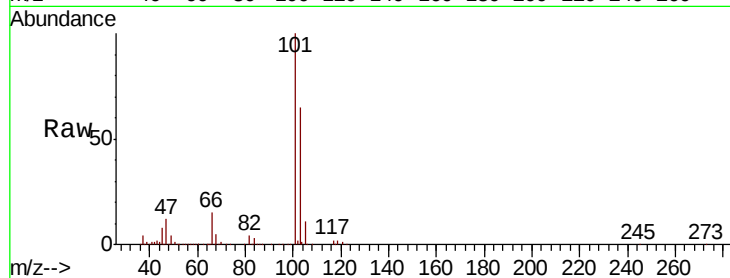
VSTDCCC010

Tgt Ion:101 Resp: 1476933

Ion Ratio Lower Upper

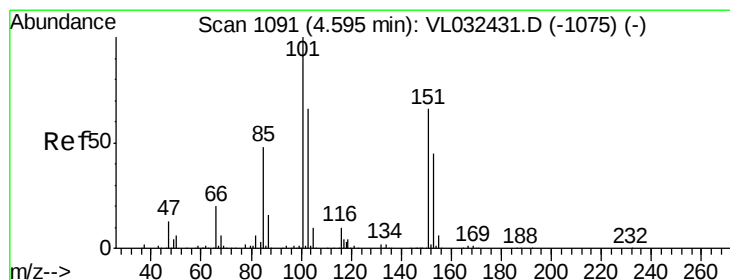
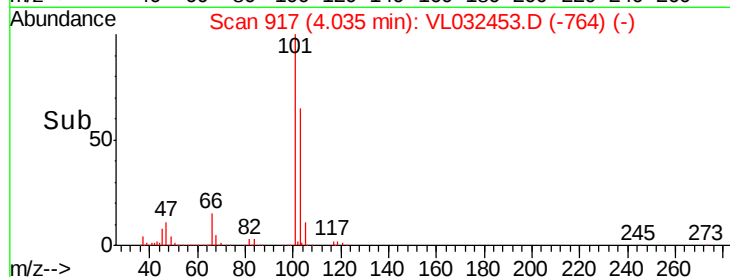
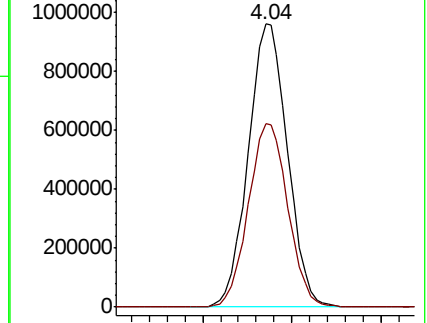
101 100

103 64.7 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.592 ppbv

RT: 4.59 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VL032453.D

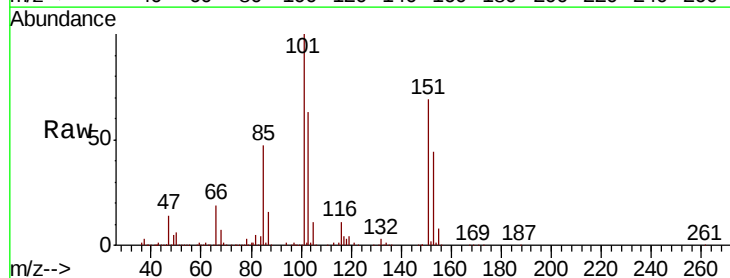
Acq: 5 Sep 2018 10:53

Tgt Ion:101 Resp: 1027787

Ion Ratio Lower Upper

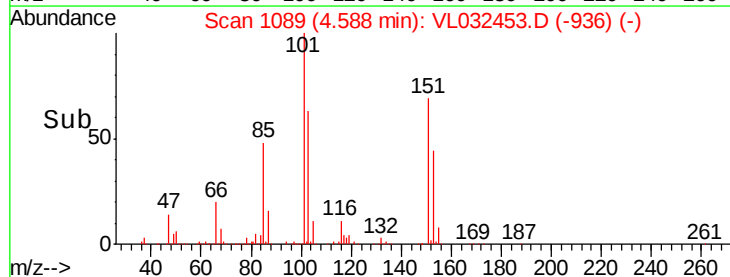
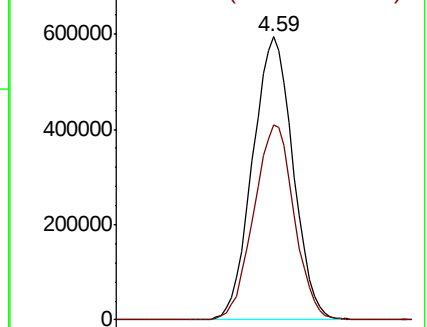
101 100

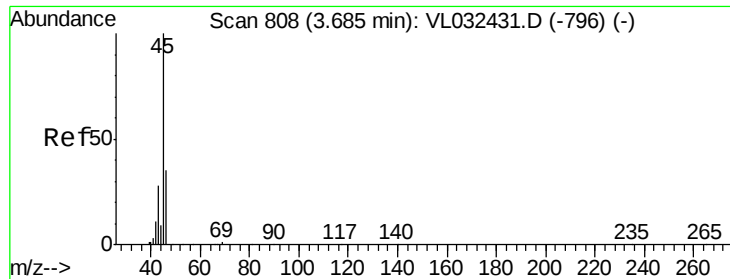
151 69.1 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.421 ppbv

RT: 3.68 min Scan# 807

Delta R.T. -0.00 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

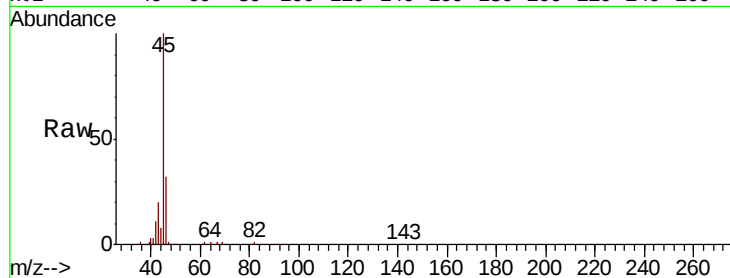
VSTDCCC010

Tgt Ion: 45 Resp: 147013

Ion Ratio Lower Upper

45 100

46 35.8 14.2 56.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.68

80000

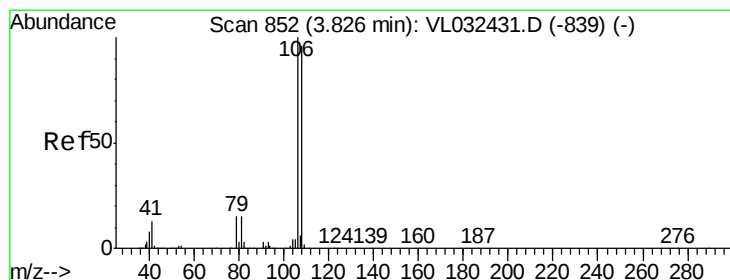
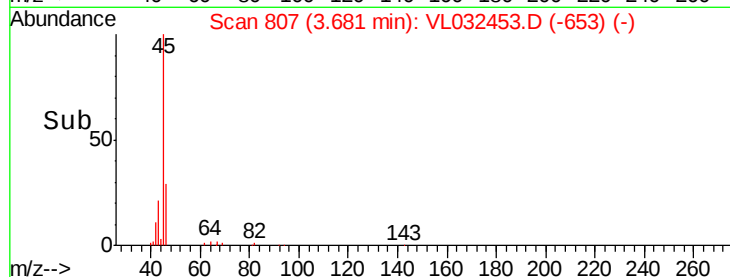
60000

40000

20000

0

Time--> 3.60 3.65 3.70 3.75



#14

Bromoethene

Concen: 10.781 ppbv

RT: 3.82 min Scan# 850

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

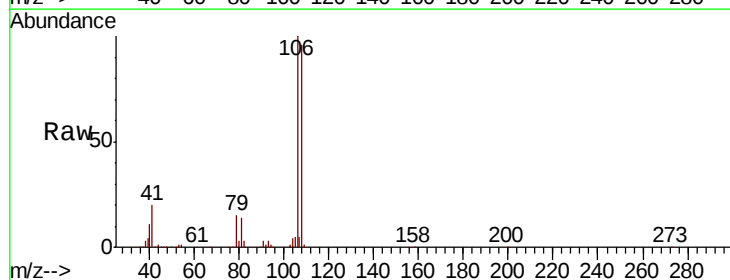
Tgt Ion: 108 Resp: 489421

Ion Ratio Lower Upper

108 100

106 108.3 85.5 128.3

79 15.6 13.0 19.6



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

500000

400000

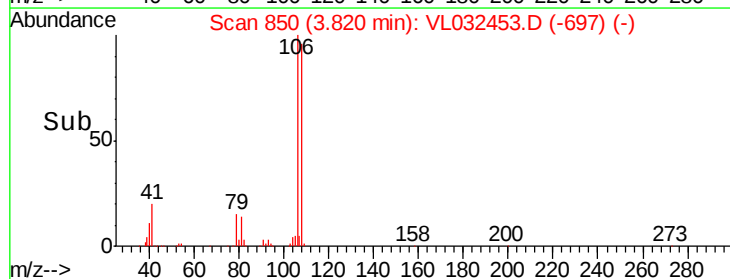
300000

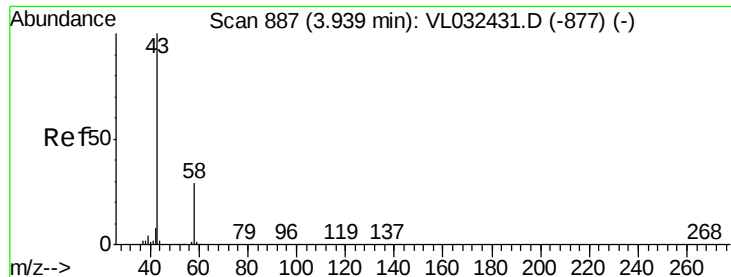
200000

100000

0

Time--> 3.75 3.80 3.85





#15

Acetone

Concen: 9.815 ppbv

RT: 3.93 min Scan# 885

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

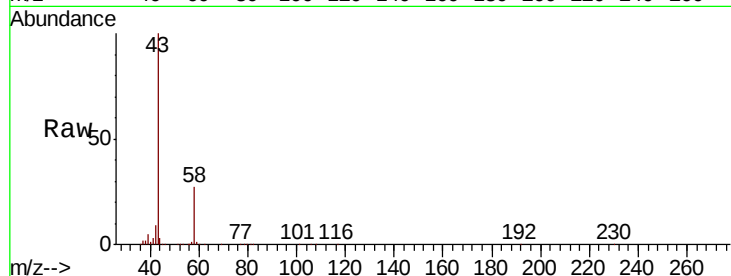
VSTDCCC010

Tgt Ion: 43 Resp: 1211741

Ion Ratio Lower Upper

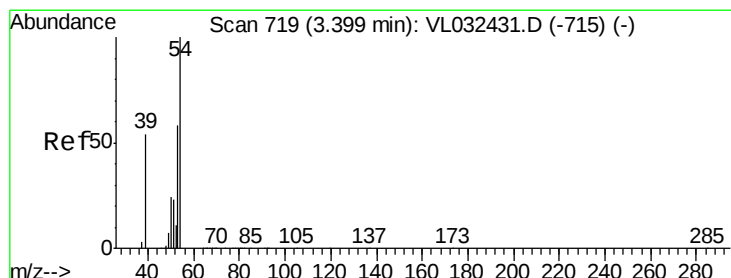
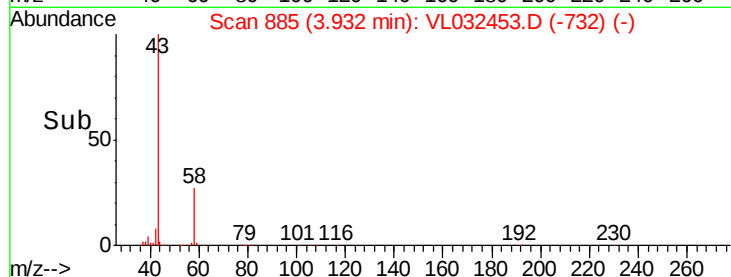
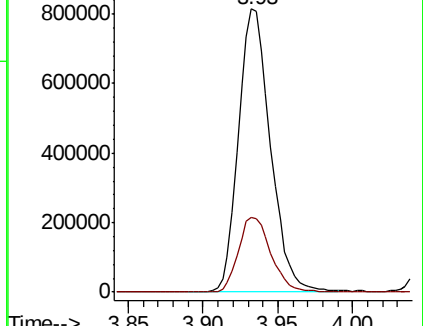
43 100

58 27.2 22.6 33.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.150 ppbv

RT: 3.39 min Scan# 717

Delta R.T. -0.01 min

Lab File: VL032453.D

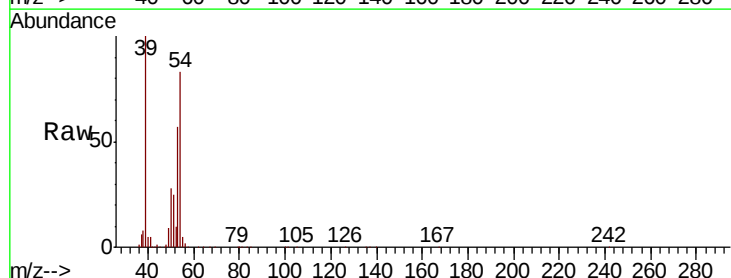
Acq: 5 Sep 2018 10:53

Tgt Ion: 39 Resp: 589626

Ion Ratio Lower Upper

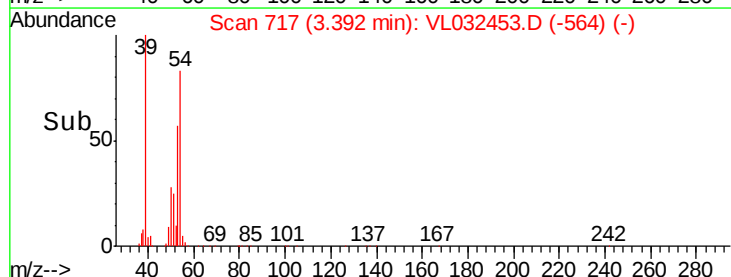
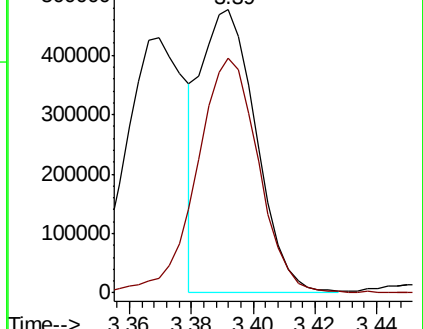
39 100

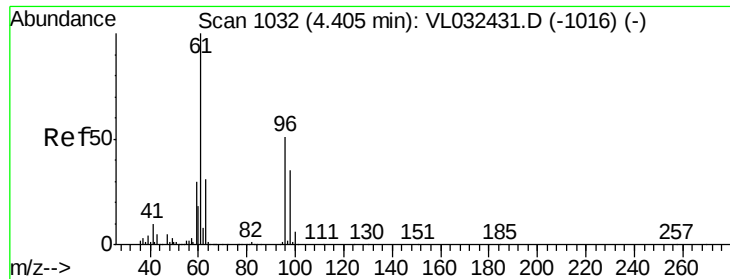
54 93.6 80.8 121.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

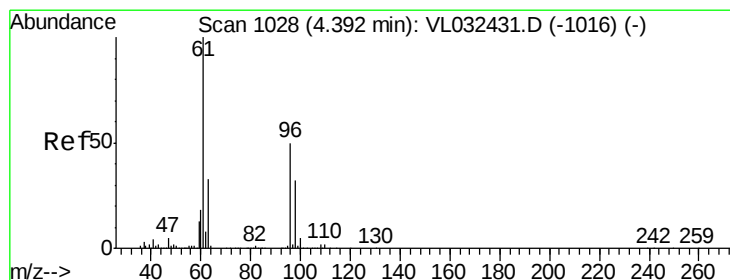
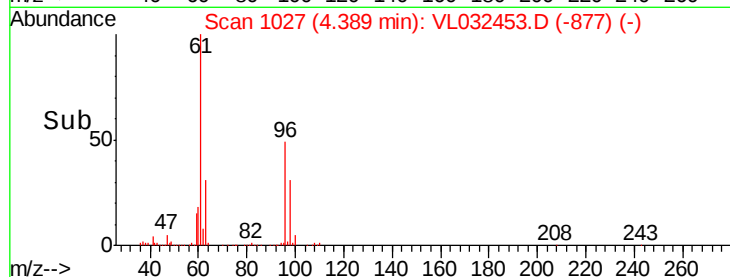
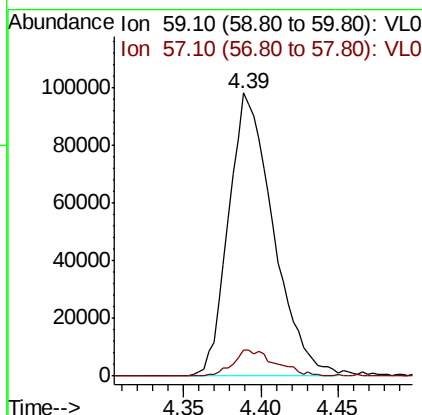
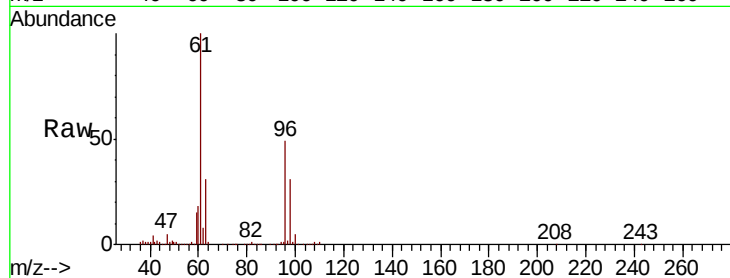




#17
 tert-Butyl alcohol
 Concen: 10.341 ppbv
 RT: 4.39 min Scan# 1027
 Delta R.T. -0.02 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

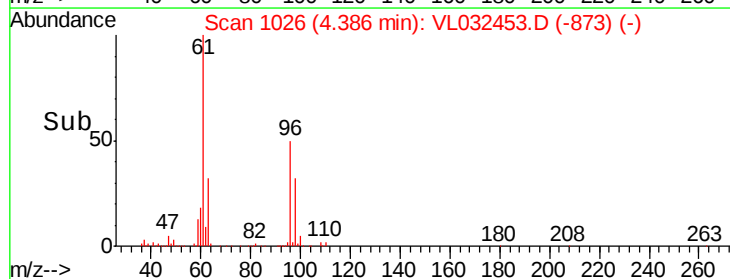
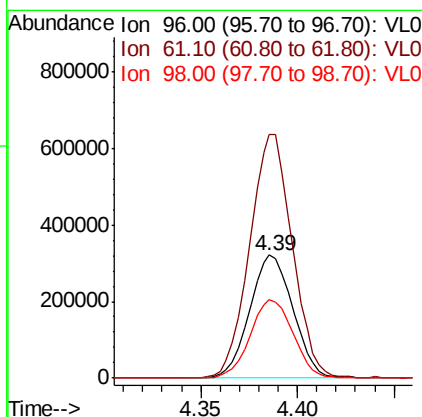
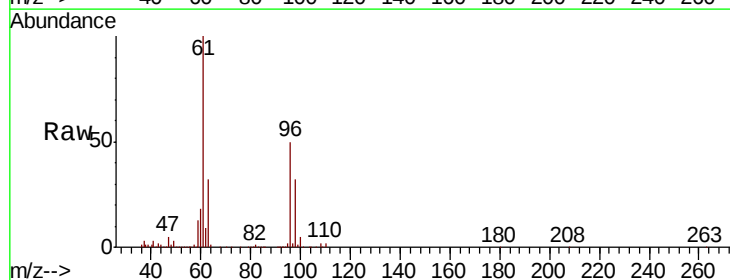
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

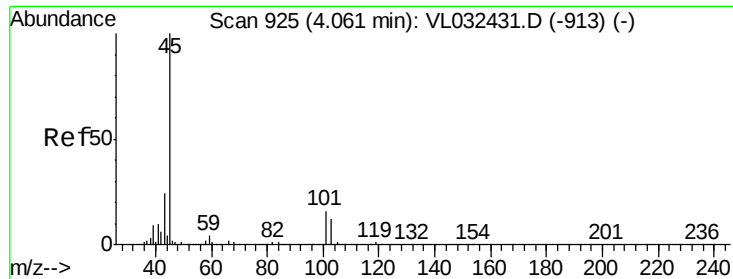
Tgt Ion: 59 Resp: 196471
 Ion Ratio Lower Upper
 59 100
 57 9.1 0.0 0.0#



#18
 1,1-Dichloroethene
 Concen: 10.201 ppbv
 RT: 4.39 min Scan# 1026
 Delta R.T. -0.01 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

Tgt Ion: 96 Resp: 499539
 Ion Ratio Lower Upper
 96 100
 61 198.3 159.2 238.8
 98 64.4 51.0 76.4





#19

Isopropyl Alcohol

Concen: 12.152 ppbv

RT: 4.05 min Scan# 923

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

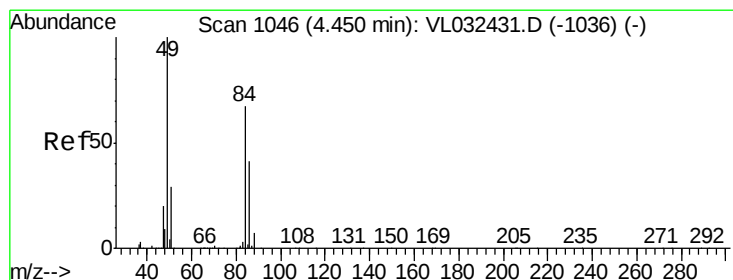
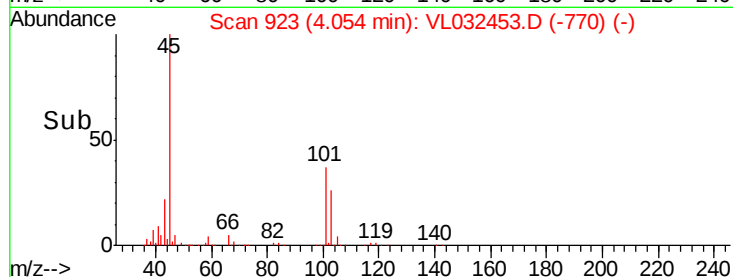
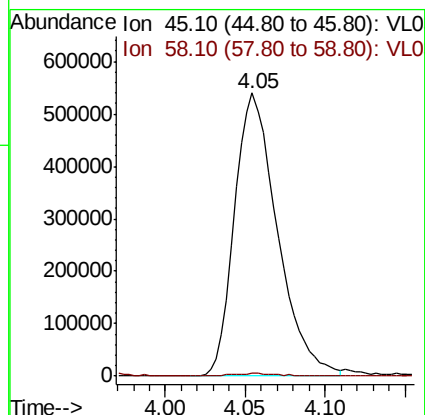
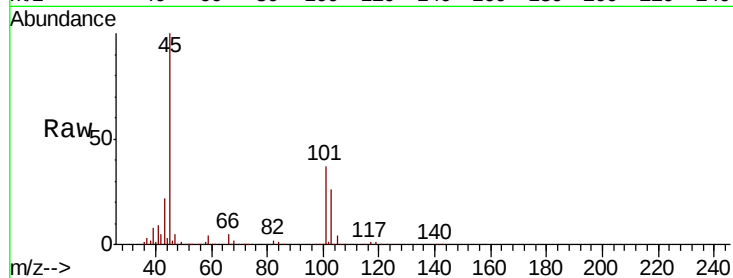
VSTDCCC010

Tgt Ion: 45 Resp: 984181

Ion Ratio Lower Upper

45 100

58 33.5 2.0 3.0#



#20

Methylene Chloride

Concen: 8.885 ppbv

RT: 4.44 min Scan# 1044

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Tgt Ion: 84 Resp: 418238

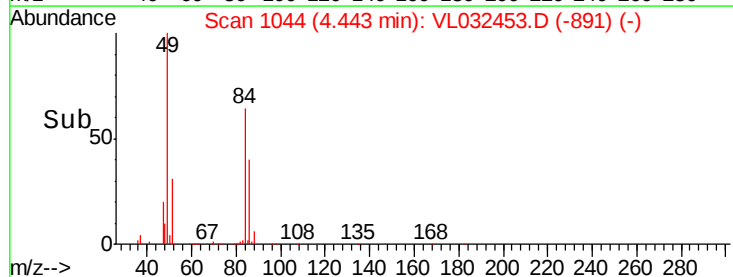
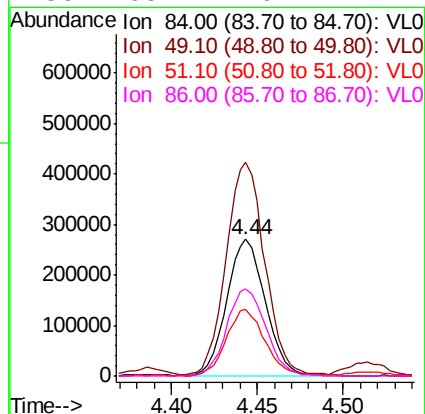
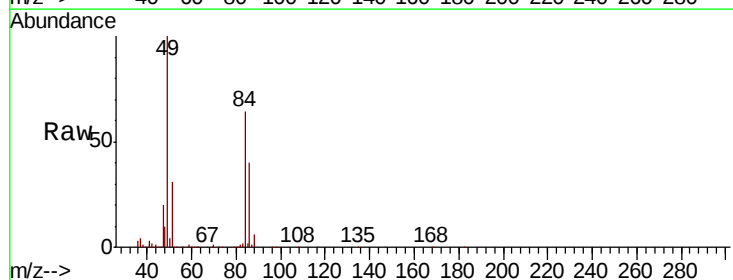
Ion Ratio Lower Upper

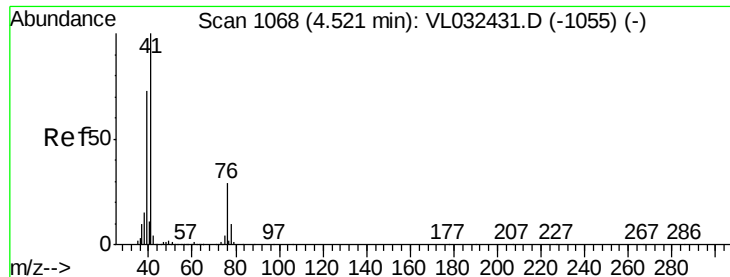
84 100

49 155.2 119.1 178.7

51 47.6 35.2 52.8

86 63.1 49.4 74.2

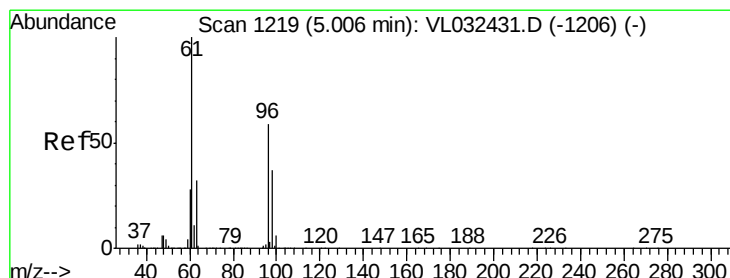
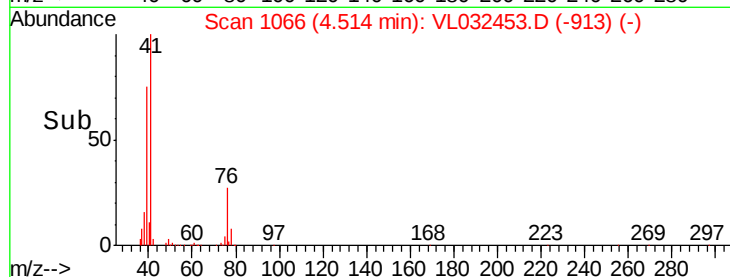
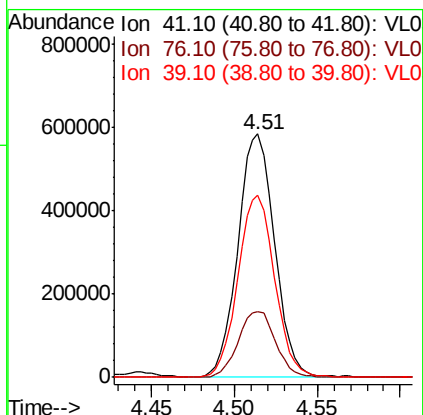
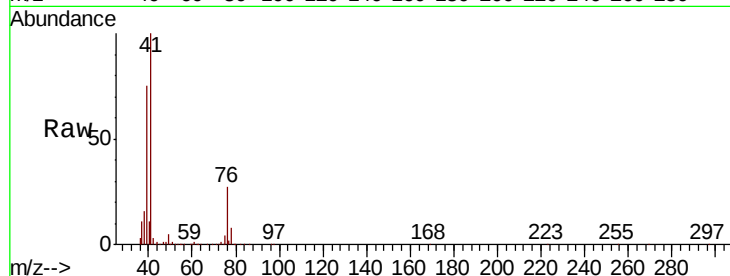




#21
 Allyl Chloride
 Concen: 10.948 ppbv
 RT: 4.51 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

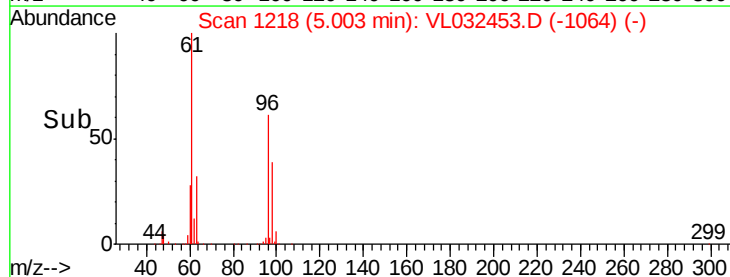
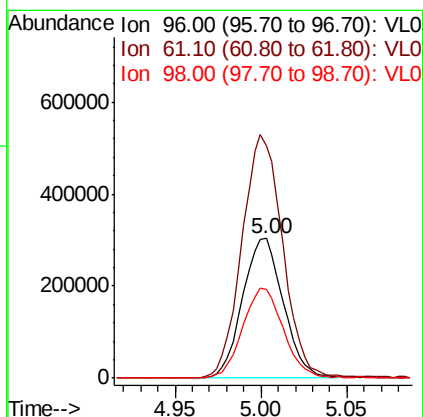
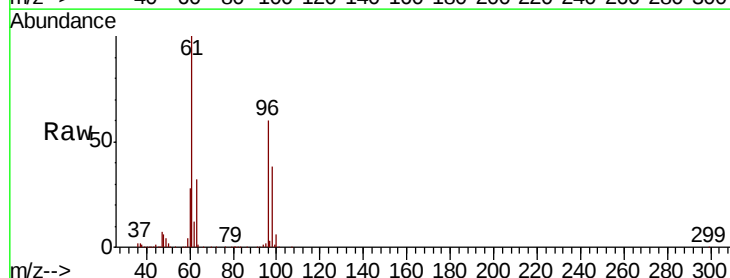
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

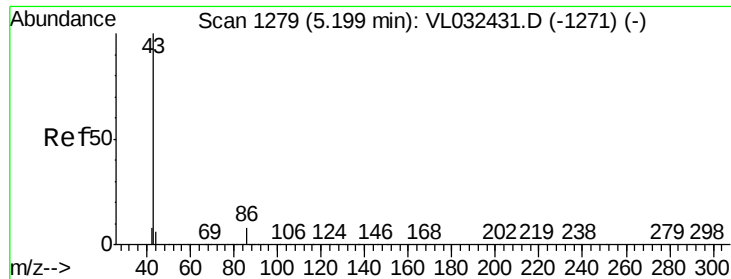
Tgt Ion: 41 Resp: 897723
 Ion Ratio Lower Upper
 41 100
 76 27.7 23.6 35.4
 39 75.5 57.7 86.5



#22
 trans-1,2-Dichloroethene
 Concen: 9.414 ppbv
 RT: 5.00 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

Tgt Ion: 96 Resp: 500203
 Ion Ratio Lower Upper
 96 100
 61 166.4 136.2 204.4
 98 63.8 50.4 75.6

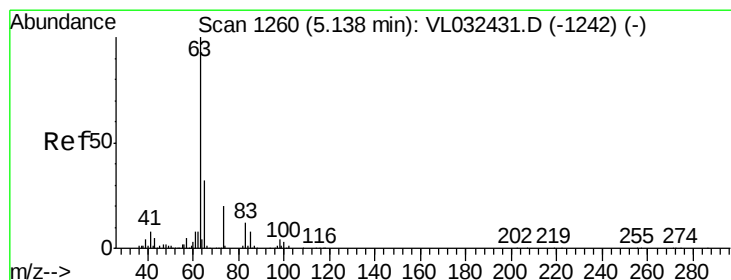
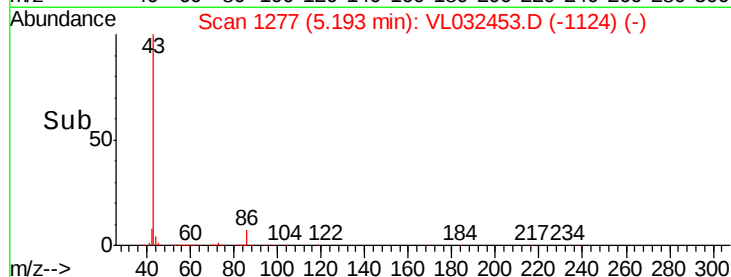
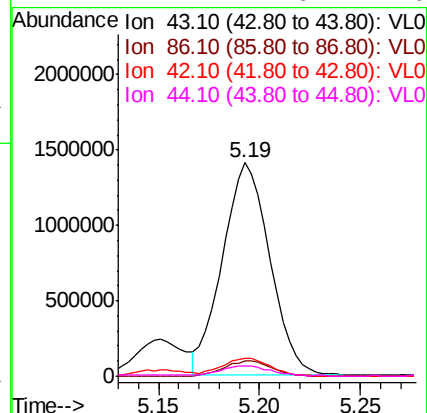
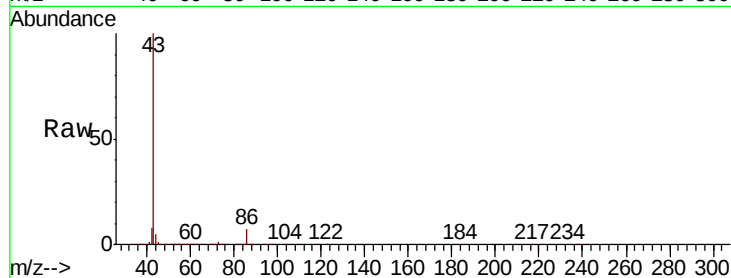




#23
 Vinyl Acetate
 Concen: 11.311 ppbv
 RT: 5.19 min Scan# 1277
 Delta R.T. -0.01 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

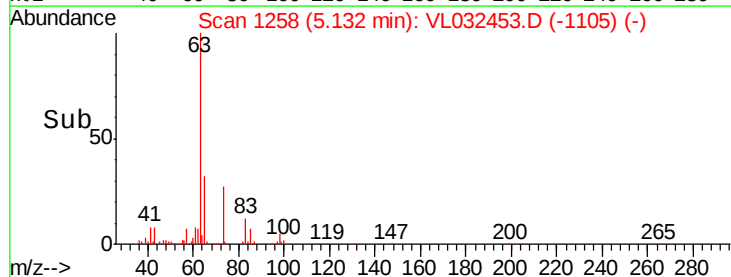
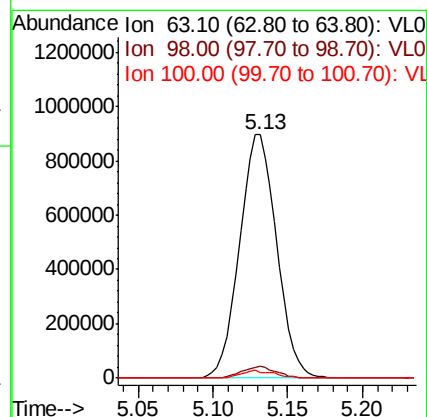
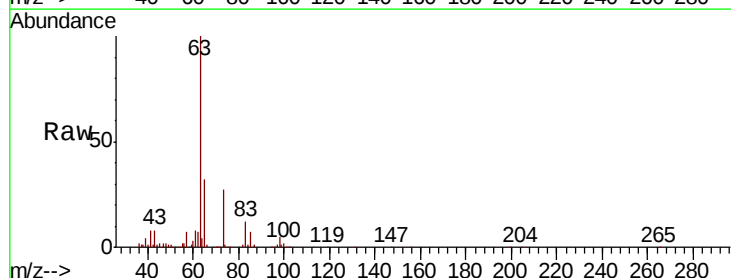
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

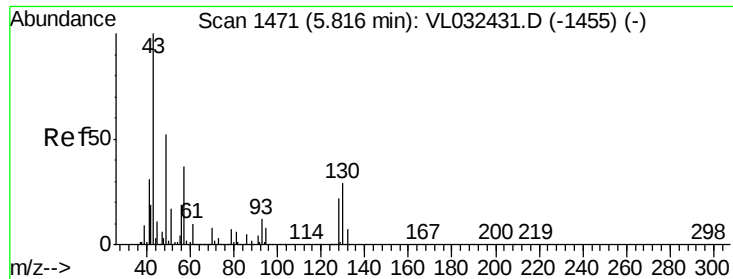
Tgt Ion:	43	Resp:	2314636
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.9	8.9
42	8.4	6.9	10.3
44	4.4	4.6	7.0#



#24
 1,1-Dichloroethane
 Concen: 9.119 ppbv
 RT: 5.13 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

Tgt Ion:	63	Resp:	1537659
Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.1	6.5
100	2.3	1.5	4.4

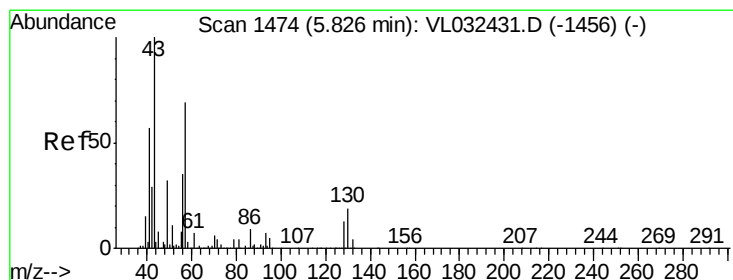
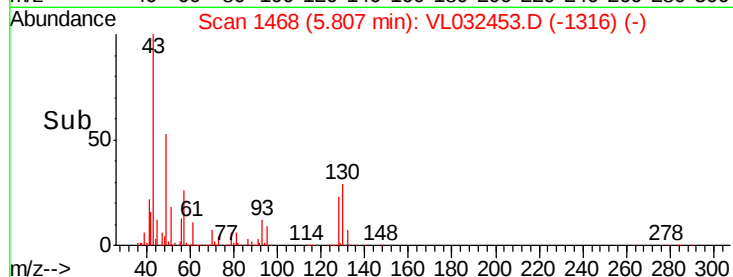
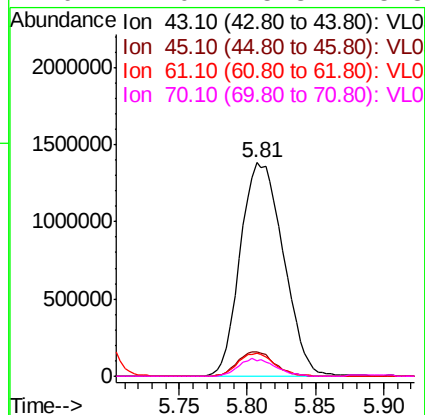
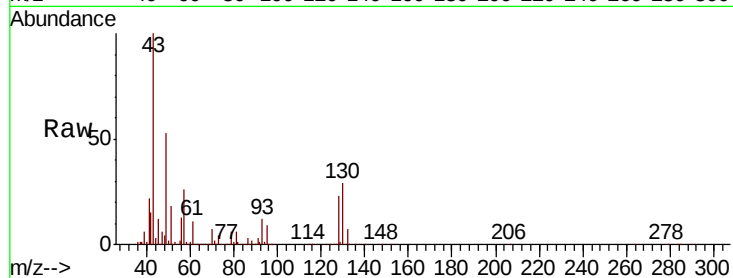




#25
Ethyl Acetate
Concen: 10.411 ppbv
RT: 5.81 min Scan# 1468
Delta R.T. -0.01 min
Lab File: VL032453.D
Acq: 5 Sep 2018 10:53

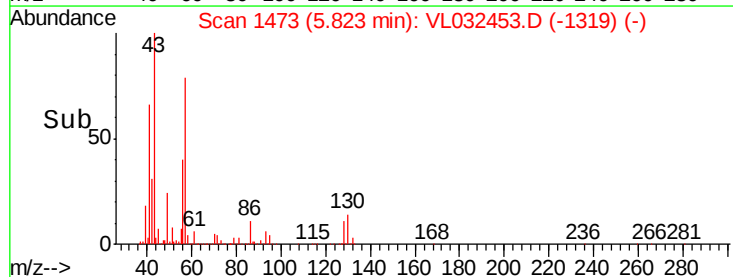
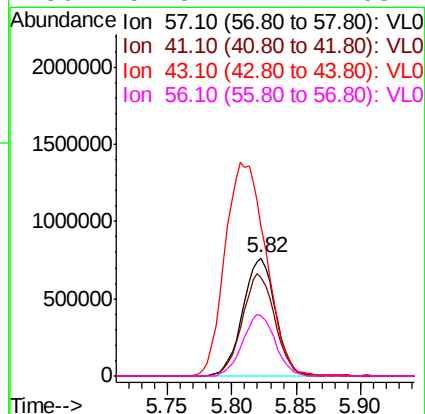
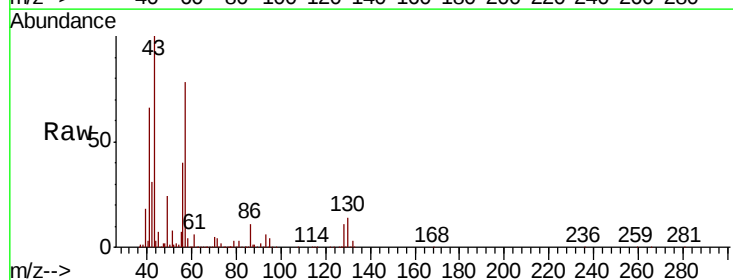
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

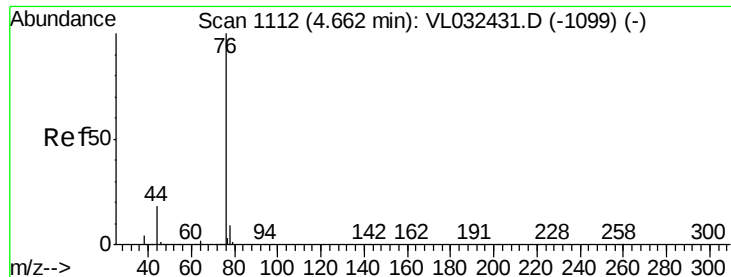
Tgt Ion:	43	Resp:	3035165
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	9.1	7.6	11.4
70	7.0	5.8	8.8



#26
Hexane
Concen: 10.309 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VL032453.D
Acq: 5 Sep 2018 10:53

Tgt Ion:	57	Resp:	1345748
Ion	Ratio	Lower	Upper
57	100		
41	87.7	69.0	103.4
43	227.1	172.1	258.1
56	51.8	42.2	63.2





#27

Carbon Disulfide

Concen: 10.151 ppbv

RT: 4.66 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

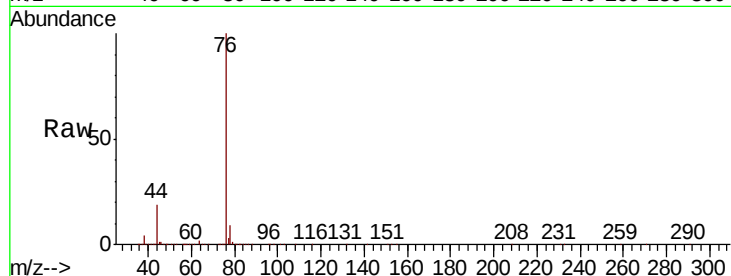
Tgt Ion: 76 Resp: 1223223

Ion Ratio Lower Upper

76 100

44 18.5 14.0 21.0

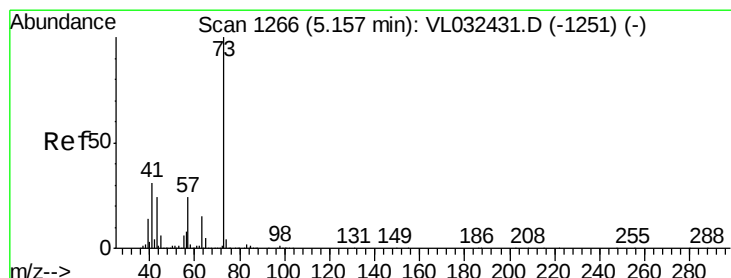
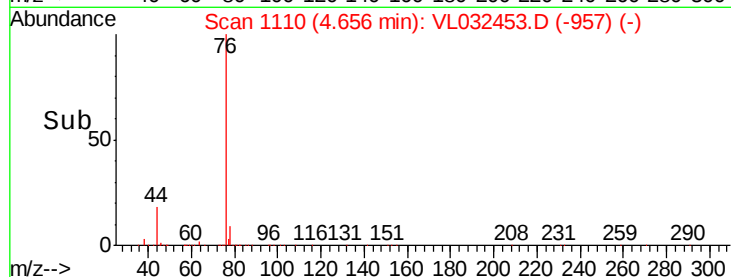
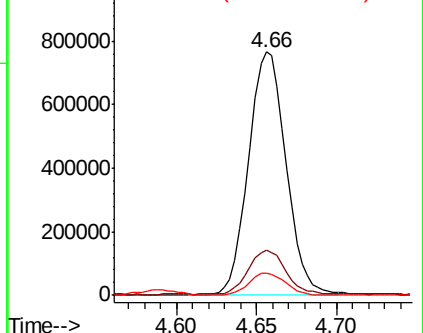
78 9.3 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.544 ppbv

RT: 5.15 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VL032453.D

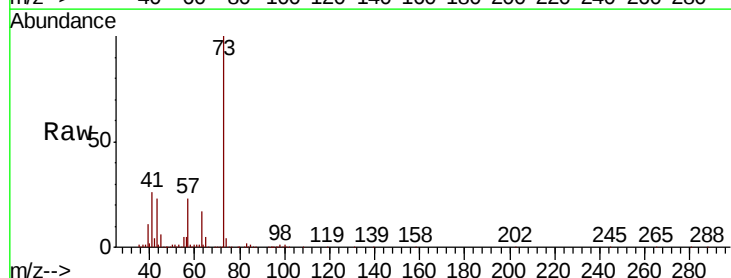
Acq: 5 Sep 2018 10:53

Tgt Ion: 73 Resp: 1850168

Ion Ratio Lower Upper

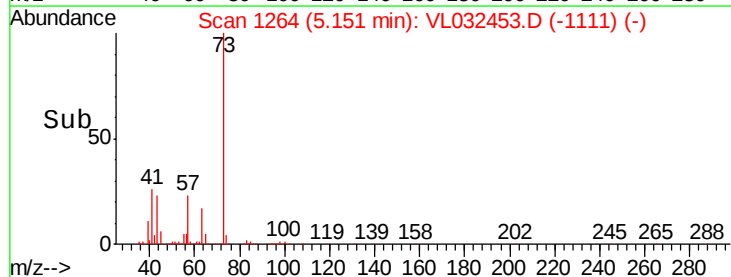
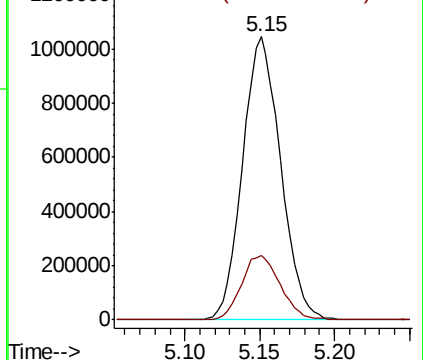
73 100

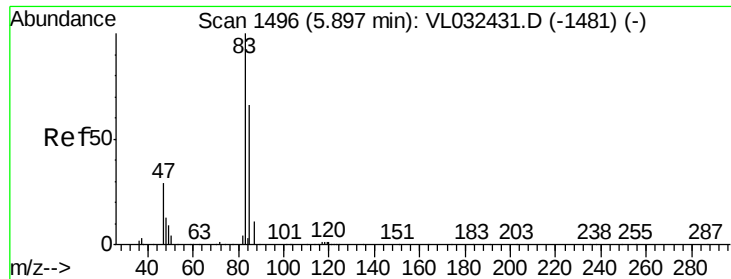
57 23.4 19.3 28.9



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.764 ppbv

RT: 5.89 min Scan# 1494

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

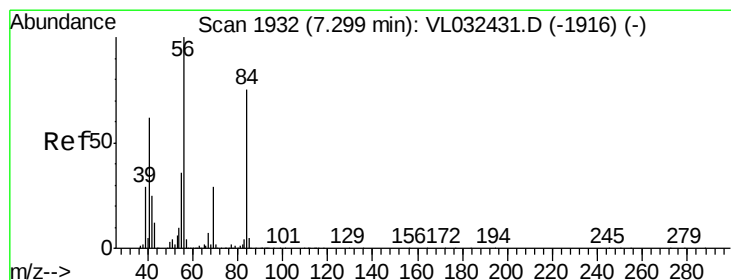
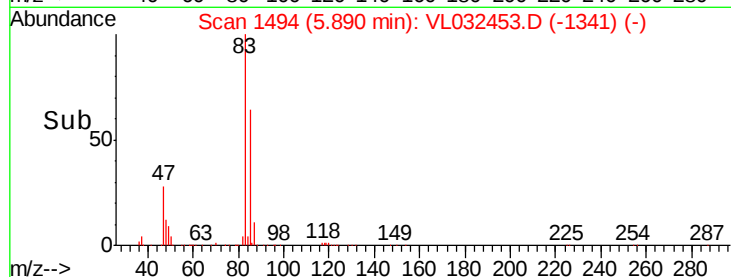
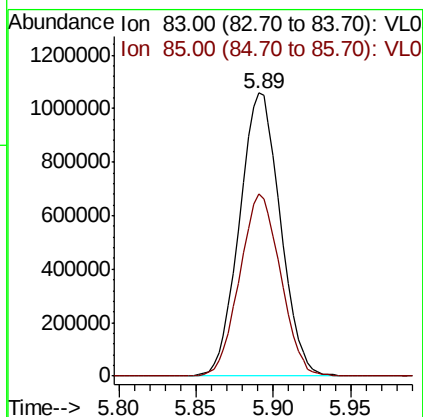
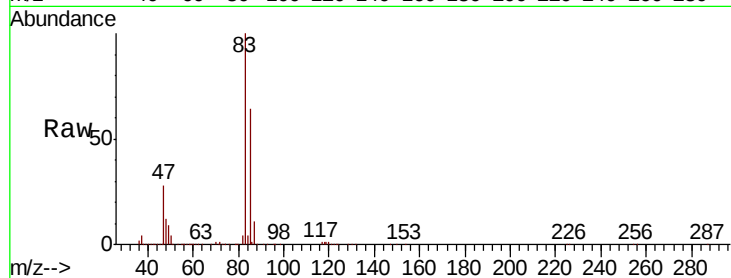
VSTDCCC010

Tgt Ion: 83 Resp: 1943449

Ion Ratio Lower Upper

83 100

85 64.3 52.5 78.7



#30

Cyclohexane

Concen: 12.225 ppbv

RT: 7.30 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

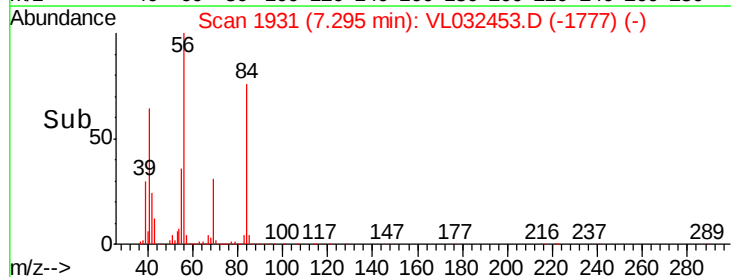
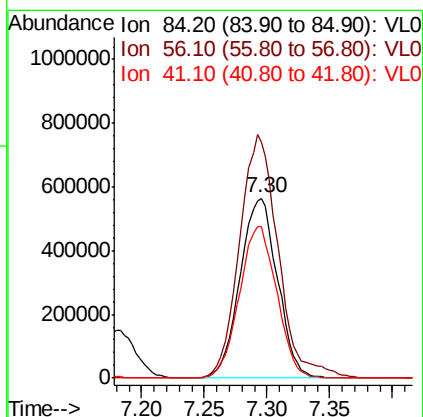
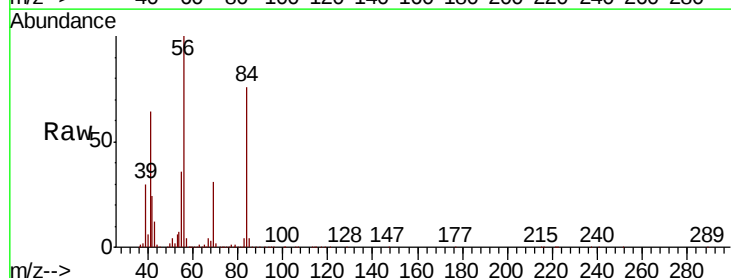
Tgt Ion: 84 Resp: 1168508

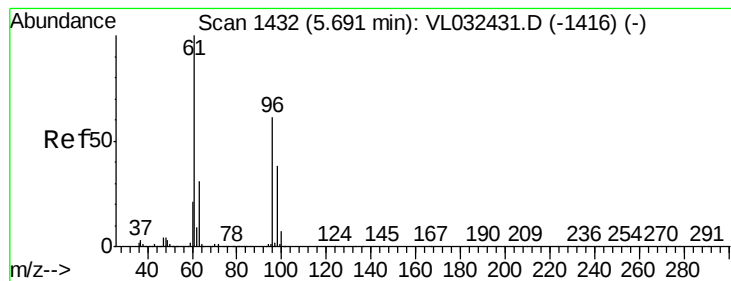
Ion Ratio Lower Upper

84 100

56 140.7 113.5 170.3

41 84.0 68.1 102.1





#31

cis-1,2-Dichloroethene

Concen: 11.941 ppbv

RT: 5.68 min Scan# 1429

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

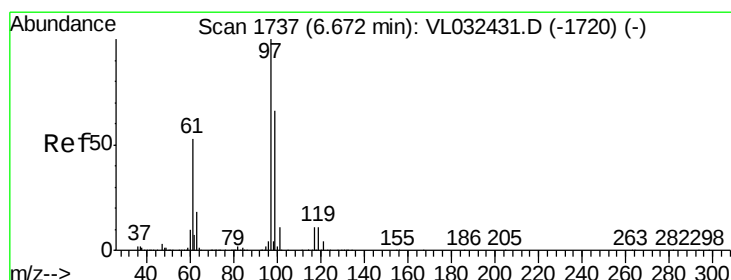
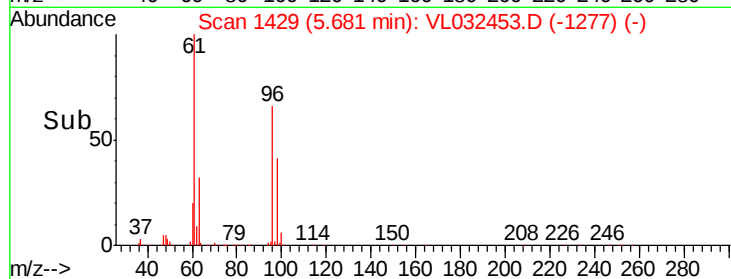
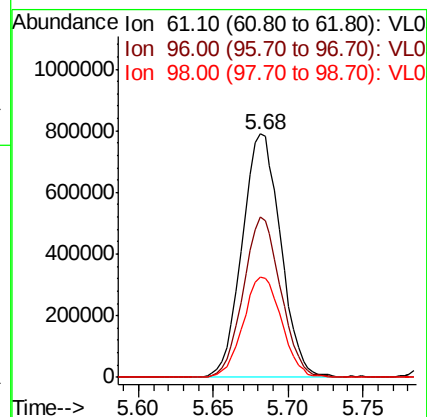
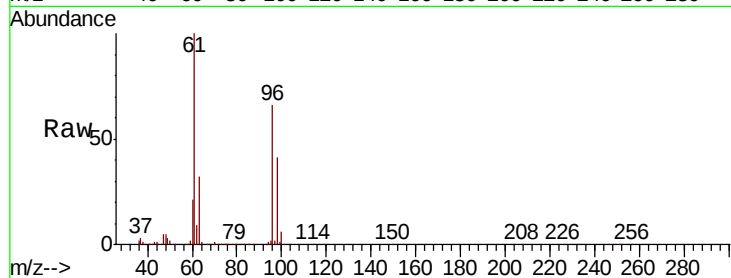
Tgt Ion: 61 Resp: 1411467

Ion Ratio Lower Upper

61 100

96 65.6 49.2 73.8

98 41.3 30.7 46.1



#32

1,1,1-Trichloroethane

Concen: 10.089 ppbv

RT: 6.67 min Scan# 1735

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

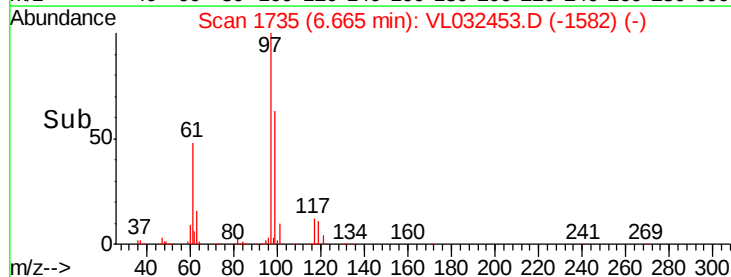
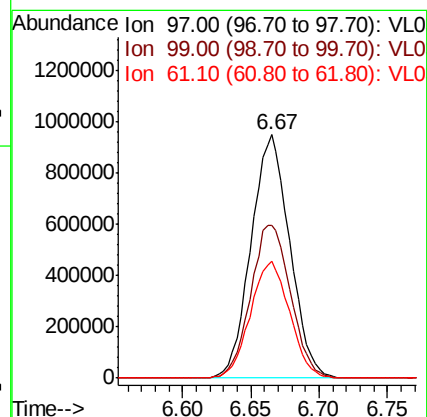
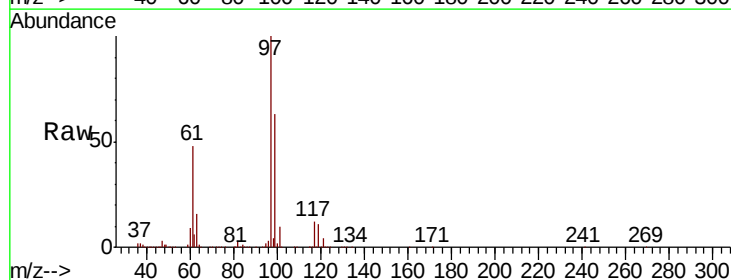
Tgt Ion: 97 Resp: 1871824

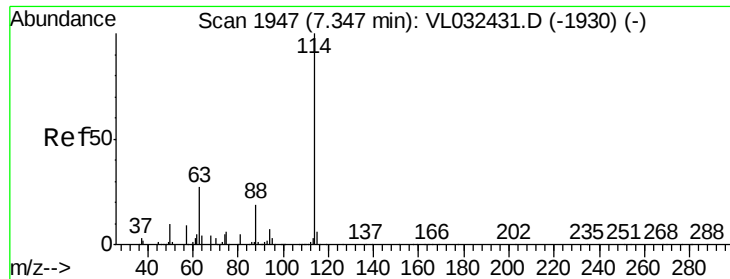
Ion Ratio Lower Upper

97 100

99 64.9 52.1 78.1

61 48.8 42.5 63.7

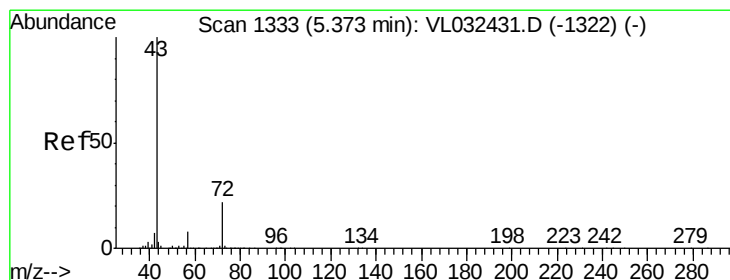
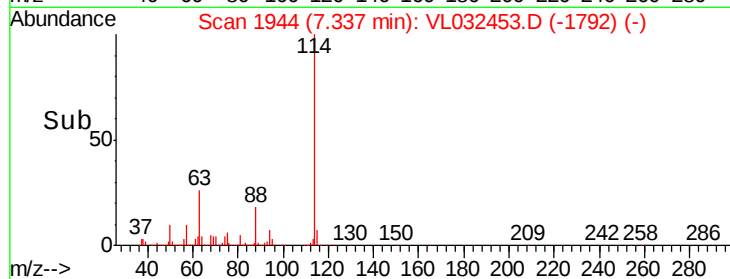
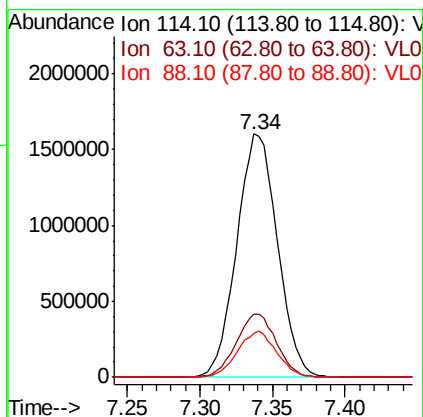
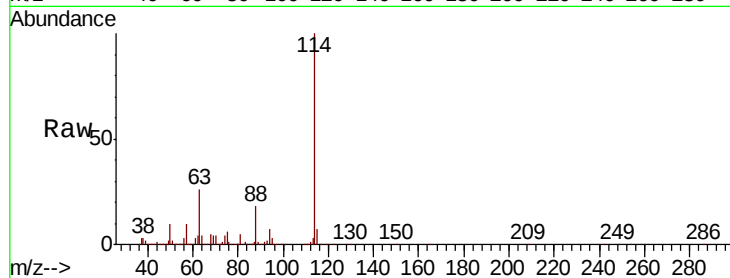




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.34 min Scan# 1944
 Delta R.T. -0.01 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

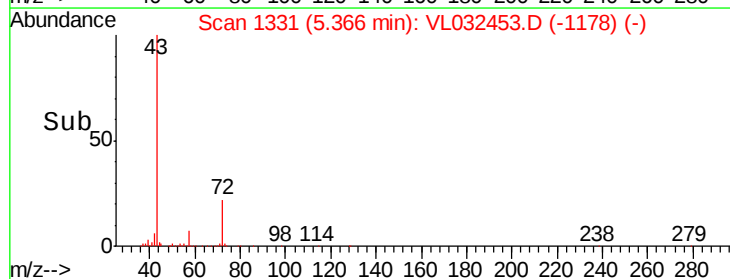
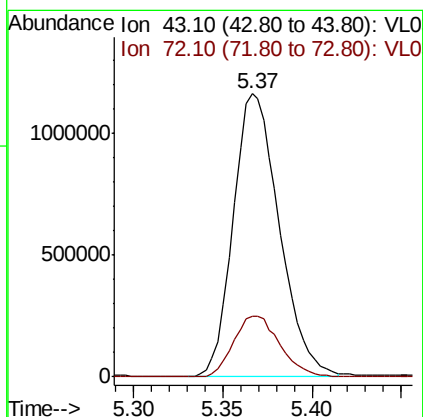
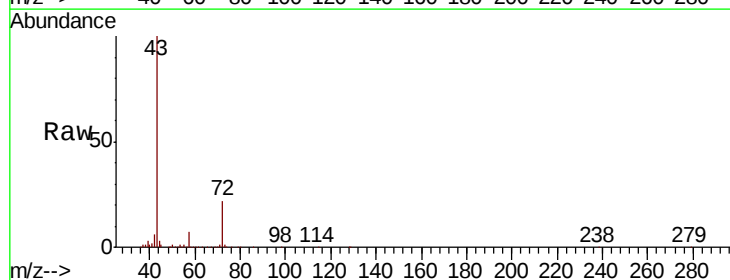
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

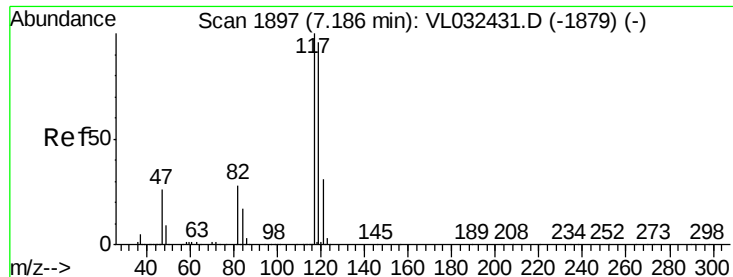
Tgt Ion: 114 Resp: 3127403
 Ion Ratio Lower Upper
 114 100
 63 26.1 22.2 33.4
 88 18.4 15.0 22.4



#34
 2-Butanone
 Concen: 10.066 ppbv
 RT: 5.37 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

Tgt Ion: 43 Resp: 2091027
 Ion Ratio Lower Upper
 43 100
 72 21.8 17.8 26.6

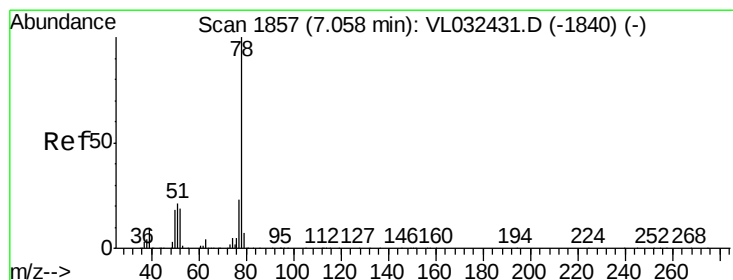
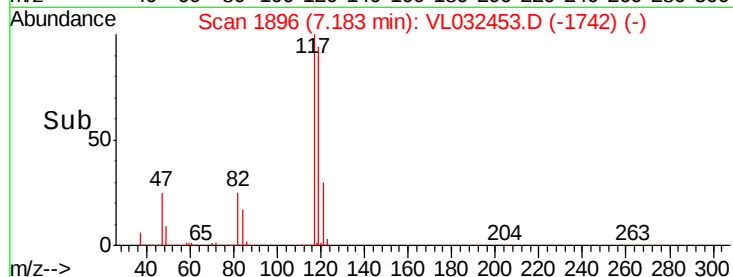
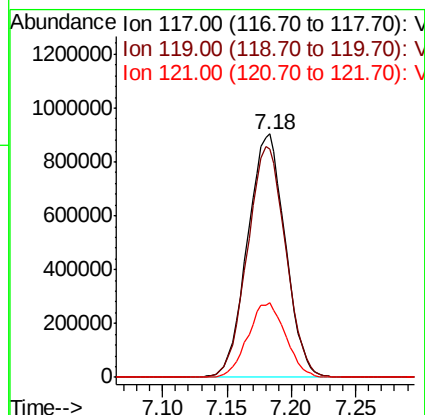
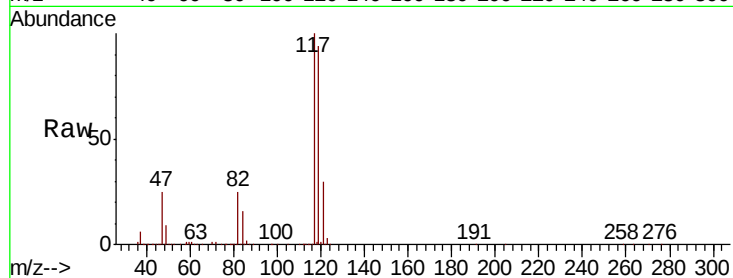




#35
Carbon Tetrachloride
Concen: 8.767 ppbv
RT: 7.18 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VL032453.D
Acq: 5 Sep 2018 10:53

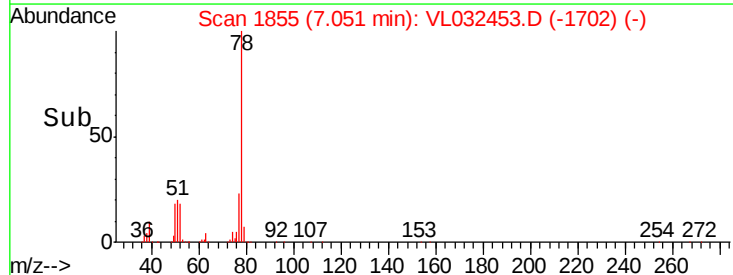
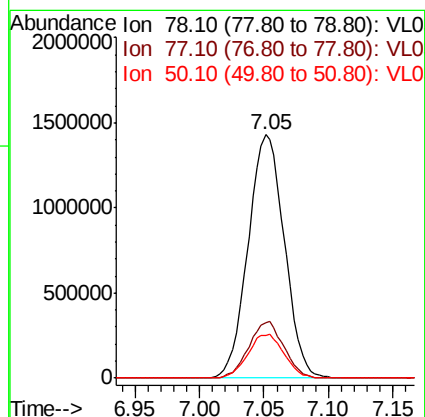
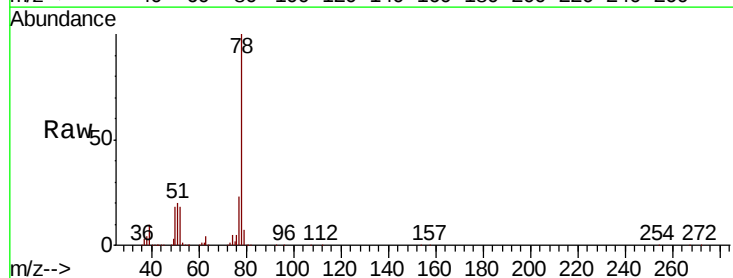
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

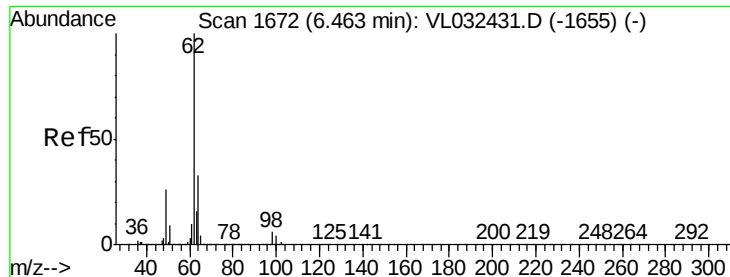
Tgt Ion:117 Resp: 1842827
Ion Ratio Lower Upper
117 100
119 93.9 76.6 115.0
121 30.4 24.6 36.8



#36
Benzene
Concen: 10.519 ppbv
RT: 7.05 min Scan# 1855
Delta R.T. -0.01 min
Lab File: VL032453.D
Acq: 5 Sep 2018 10:53

Tgt Ion: 78 Resp: 2799572
Ion Ratio Lower Upper
78 100
77 22.9 18.4 27.6
50 17.5 14.4 21.6

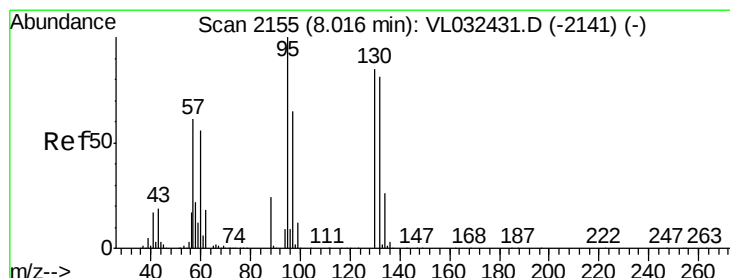
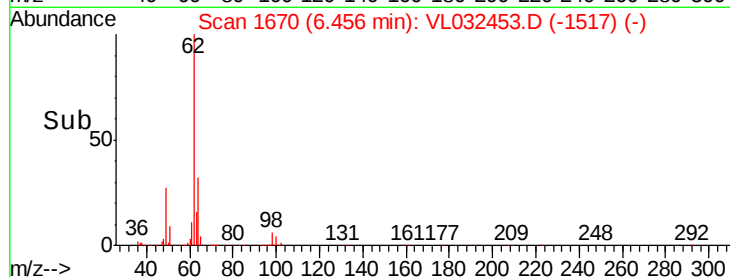
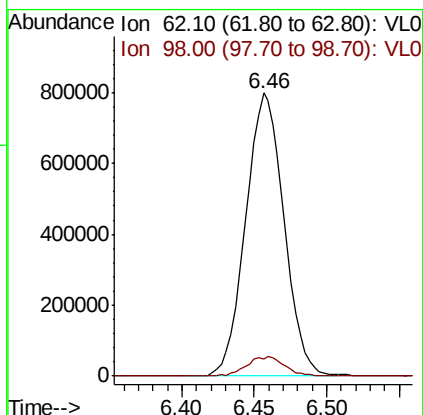
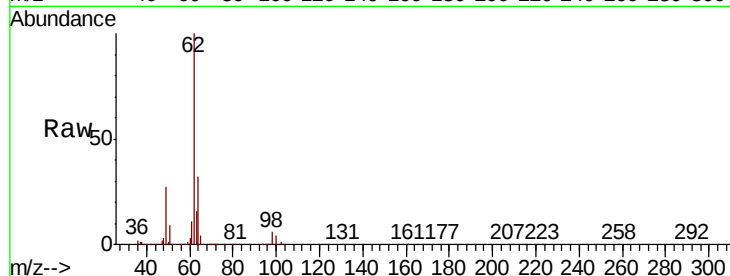




#37
 1,2-Dichloroethane
 Concen: 9.002 ppbv
 RT: 6.46 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

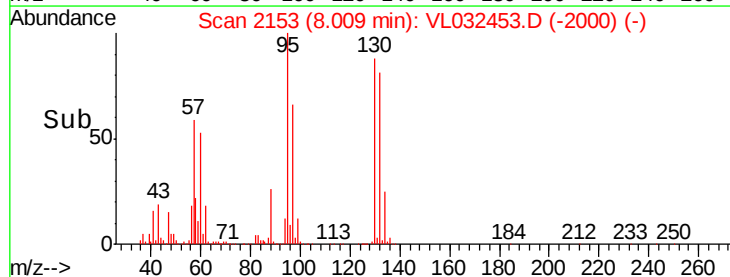
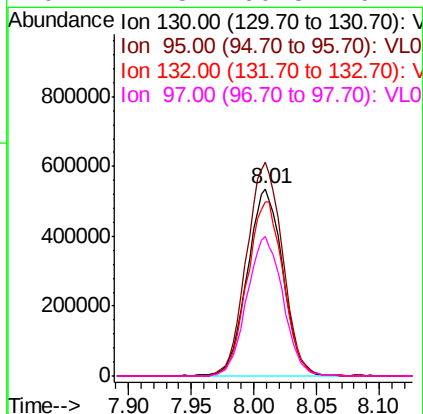
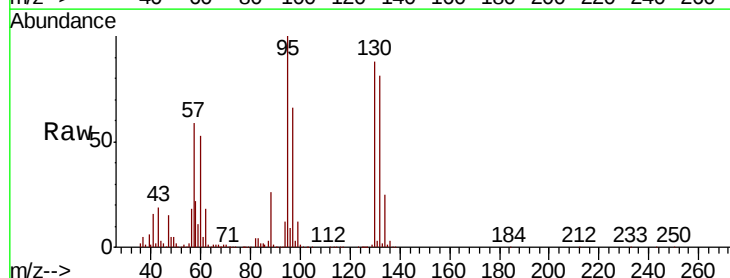
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

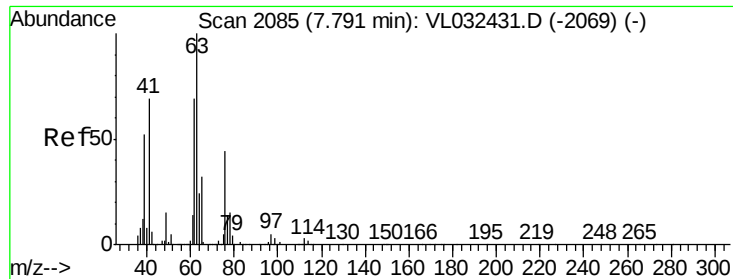
Tgt Ion: 62 Resp: 1468265
 Ion Ratio Lower Upper
 62 100
 98 6.9 5.0 7.6



#38
 Trichloroethene
 Concen: 10.399 ppbv
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.01 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

Tgt Ion: 130 Resp: 1051374
 Ion Ratio Lower Upper
 130 100
 95 114.2 94.2 141.4
 132 92.8 76.2 114.4
 97 74.8 60.8 91.2

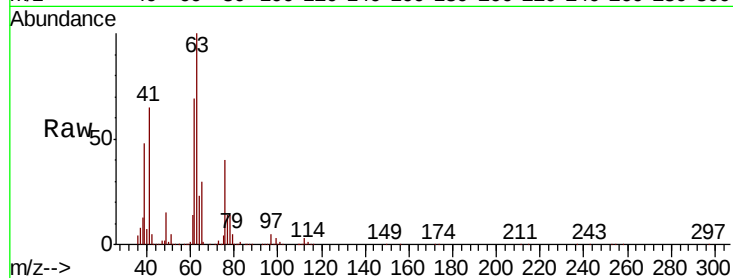




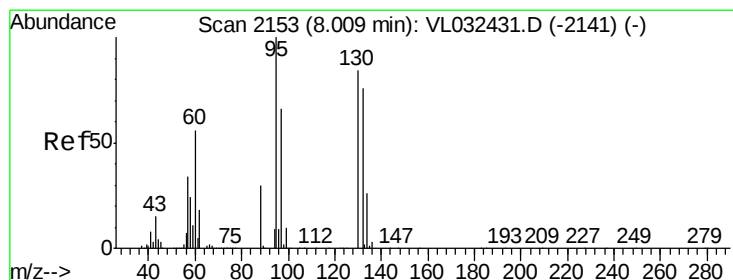
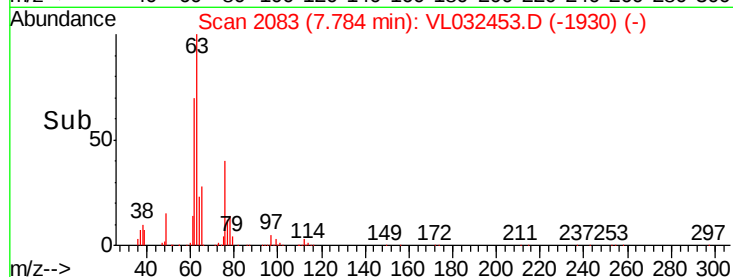
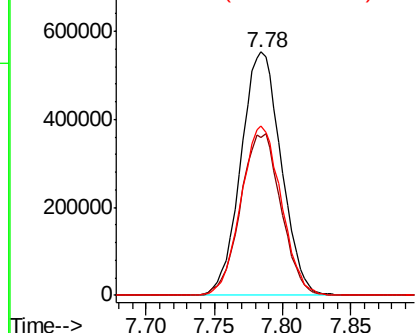
#39
 1,2-Dichloropropane
 Concen: 9.917 ppbv
 RT: 7.78 min Scan# 2083
 Delta R.T. -0.01 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 63 Resp: 1129238
 Ion Ratio Lower Upper
 63 100
 41 65.0 55.4 83.0
 62 69.6 55.4 83.0

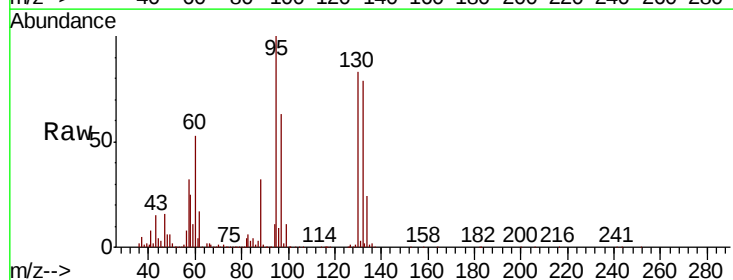


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

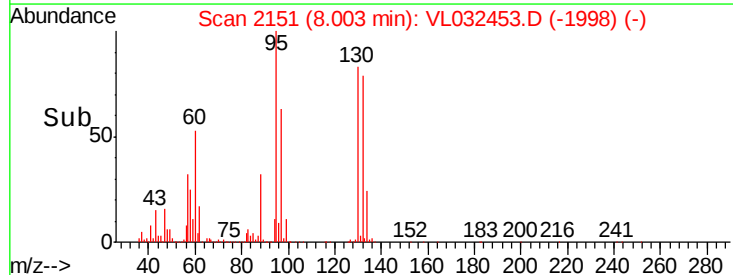
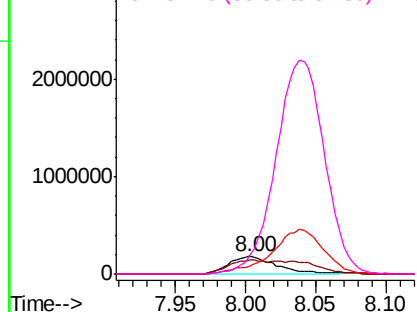


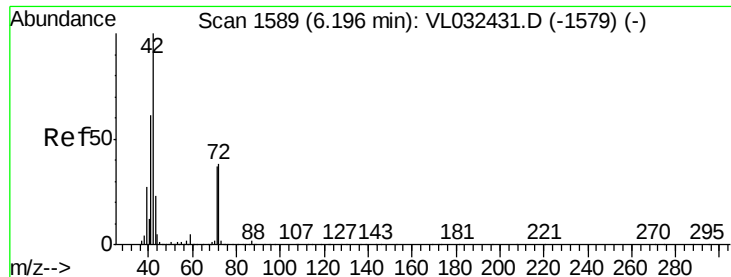
#40
 1,4-Dioxane
 Concen: 12.408 ppbv
 RT: 8.00 min Scan# 2151
 Delta R.T. -0.01 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

Tgt Ion: 88 Resp: 423888
 Ion Ratio Lower Upper
 88 100
 58 136.1 119.7 179.5
 43 274.4 253.0 379.4
 57 1243.5 1156.9 1735.3



Abundance Ion 88.10 (87.80 to 88.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0
 Ion 43.10 (42.80 to 43.80): VL0
 Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.595 ppbv

RT: 6.19 min Scan# 1587

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

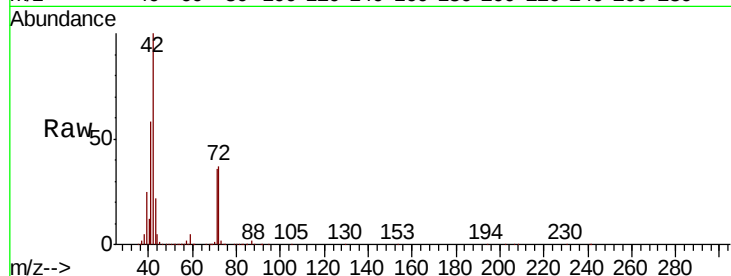
Tgt Ion: 42 Resp: 1311214

Ion Ratio Lower Upper

42 100

72 36.9 29.5 44.3

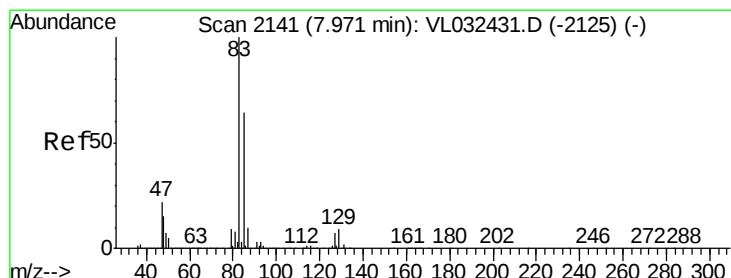
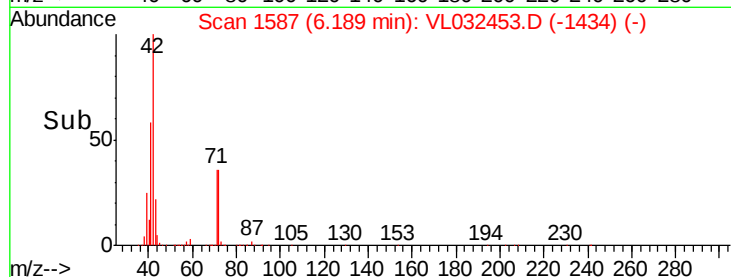
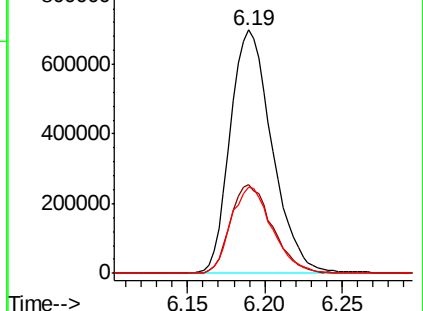
71 35.4 28.3 42.5



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: 10.267 ppbv

RT: 7.96 min Scan# 2139

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

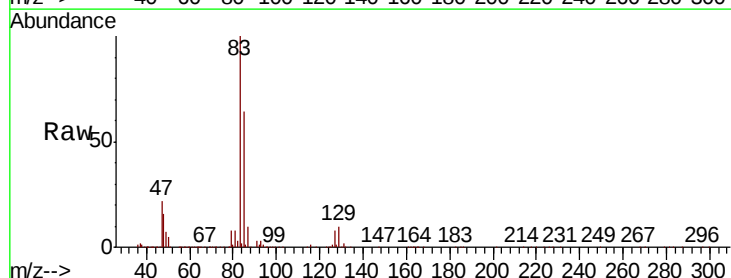
Tgt Ion: 83 Resp: 2309678

Ion Ratio Lower Upper

83 100

85 64.0 51.1 76.7

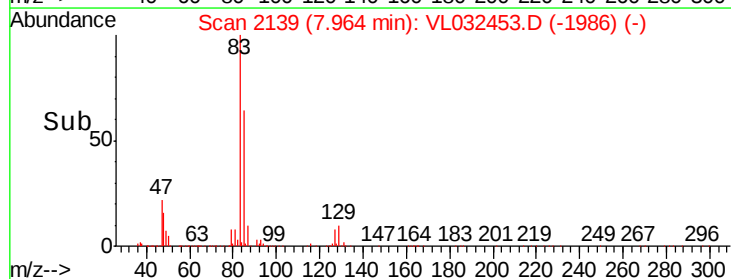
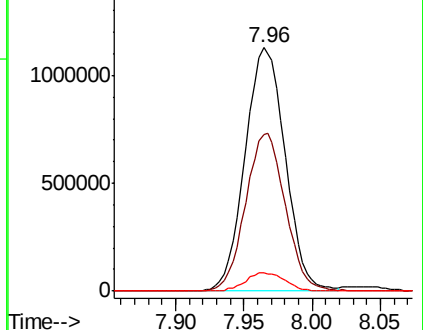
127 7.7 5.8 8.8

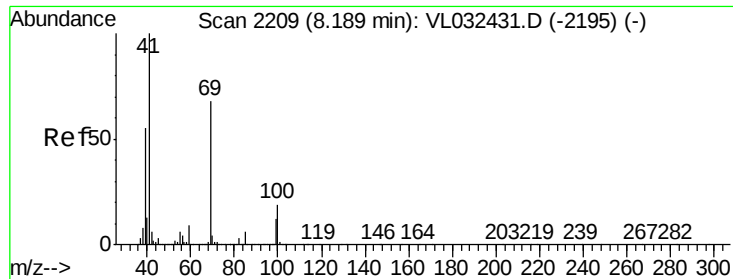


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 11.400 ppbv

RT: 8.18 min Scan# 2207

Delta R.T. -0.01 min

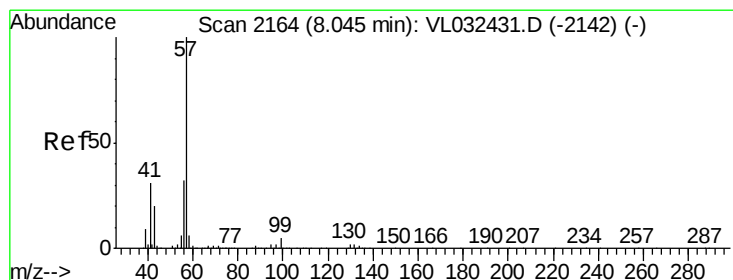
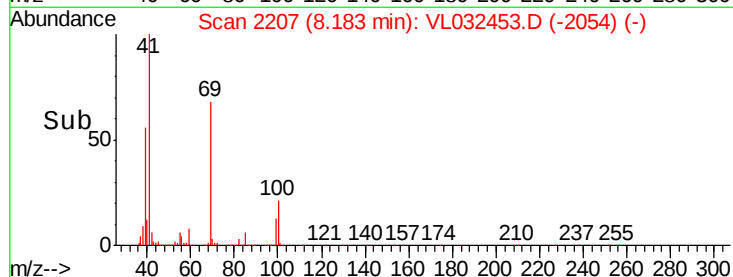
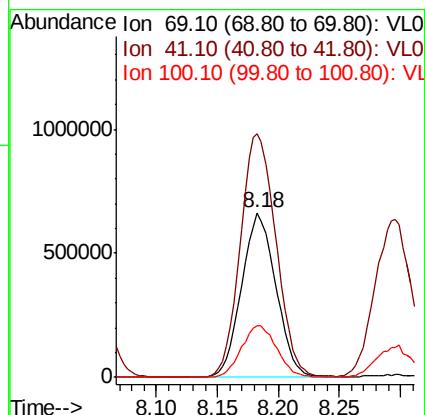
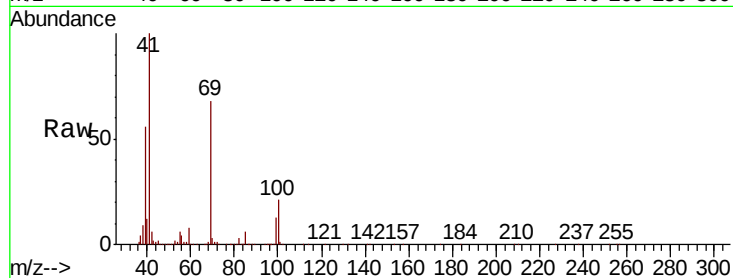
Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 1287208

Ion	Ratio	Lower	Upper
69	100		
41	153.6	117.1	175.7
100	32.2	23.4	35.2



#44

2,2,4-Trimethylpentane

Concen: 10.218 ppbv

RT: 8.04 min Scan# 2162

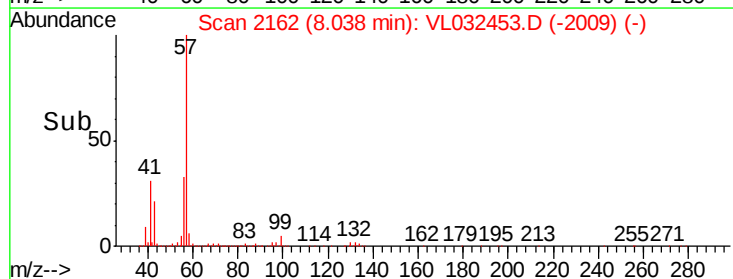
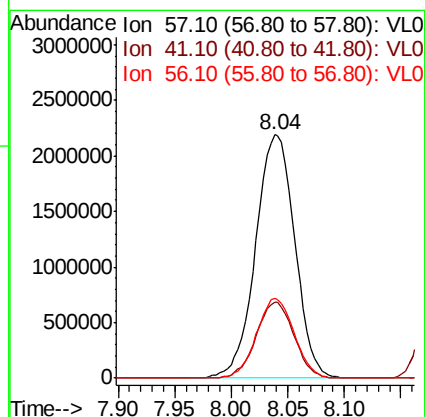
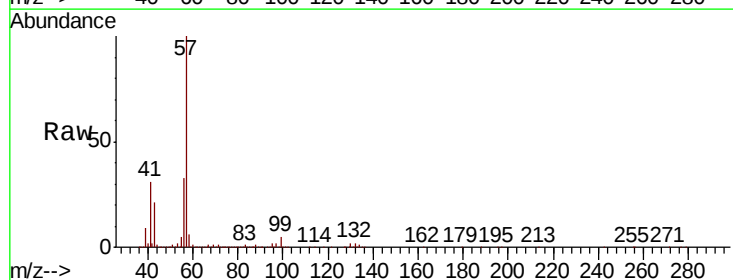
Delta R.T. -0.01 min

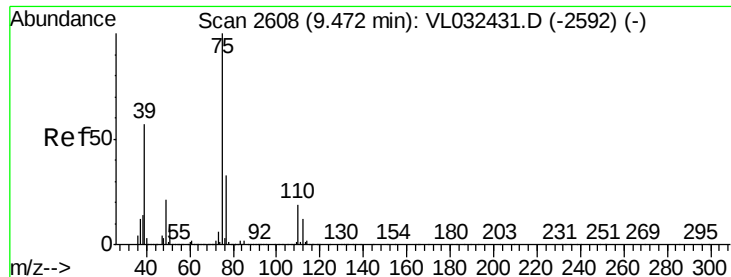
Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Tgt Ion: 57 Resp: 5257331

Ion	Ratio	Lower	Upper
57	100		
41	30.4	24.4	36.6
56	31.5	25.7	38.5





#45

t-1,3-Dichloropropene

Concen: 13.119 ppbv

RT: 9.46 min Scan# 2605

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

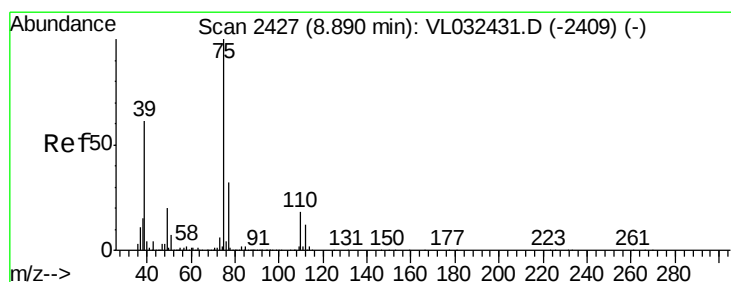
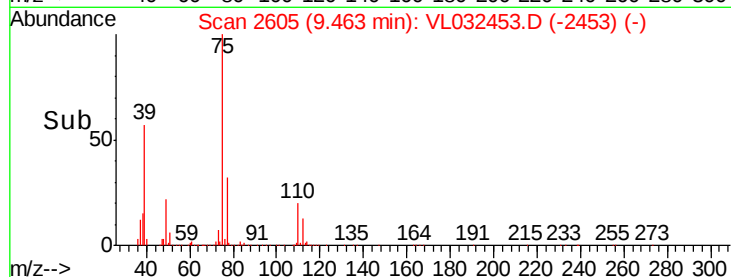
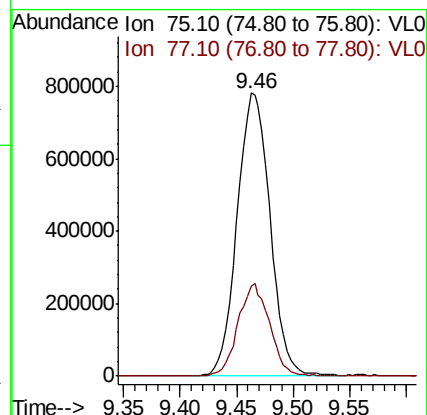
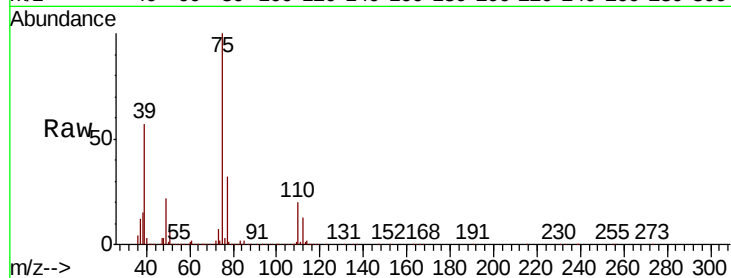
VSTDCCC010

Tgt Ion: 75 Resp: 1585017

Ion Ratio Lower Upper

75 100

77 31.8 26.2 39.2



#46

cis-1,3-Dichloropropene

Concen: 12.411 ppbv

RT: 8.88 min Scan# 2425

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

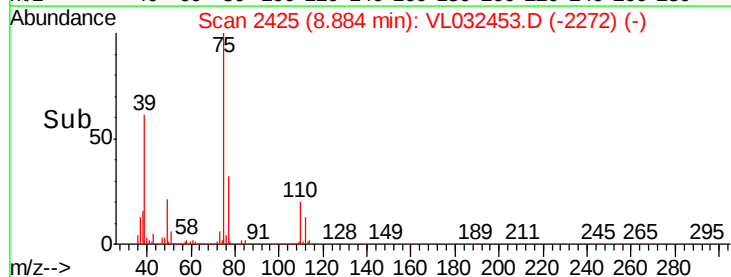
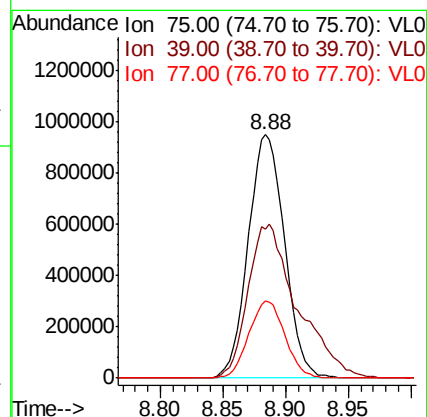
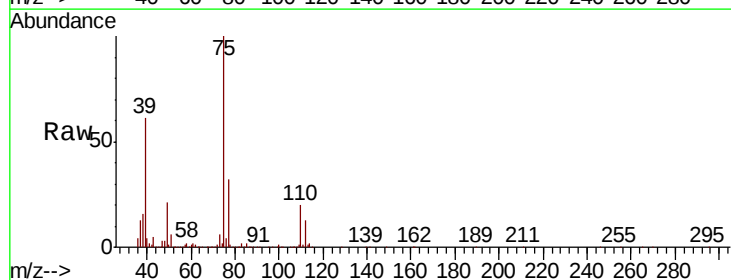
Tgt Ion: 75 Resp: 1916170

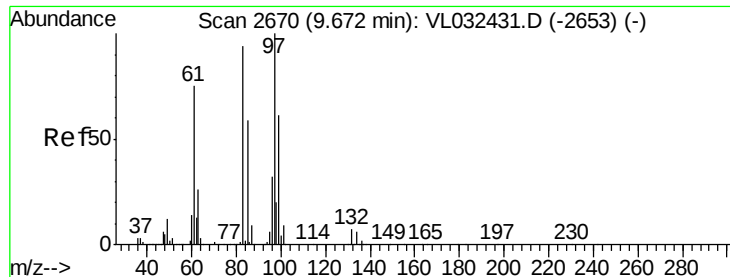
Ion Ratio Lower Upper

75 100

39 61.3 48.9 73.3

77 31.8 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 10.008 ppbv

RT: 9.67 min Scan# 2668

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 1211651

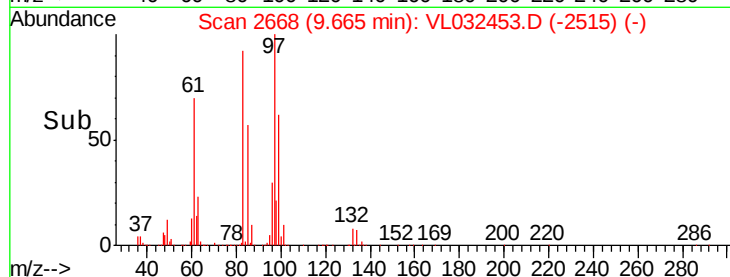
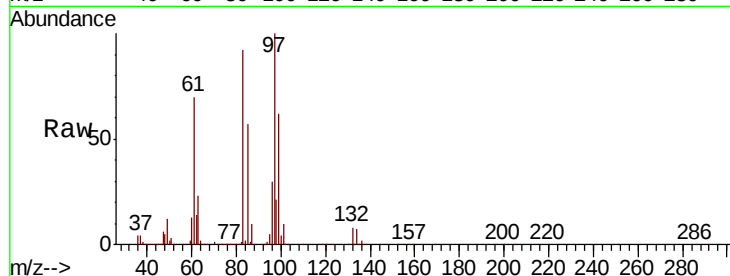
Ion Ratio Lower Upper

97 100

83 91.4 75.0 112.4

85 56.8 47.5 71.3

99 62.1 49.0 73.6

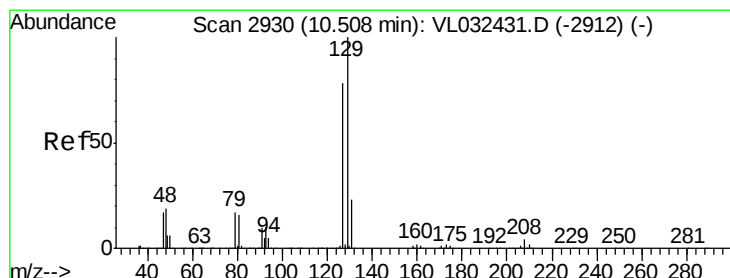
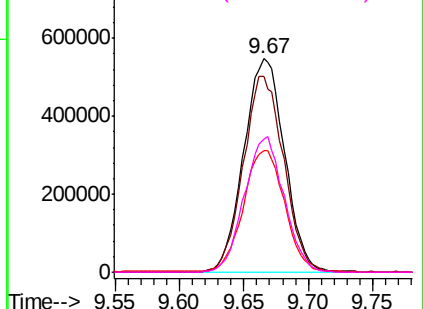


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.232 ppbv

RT: 10.50 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VL032453.D

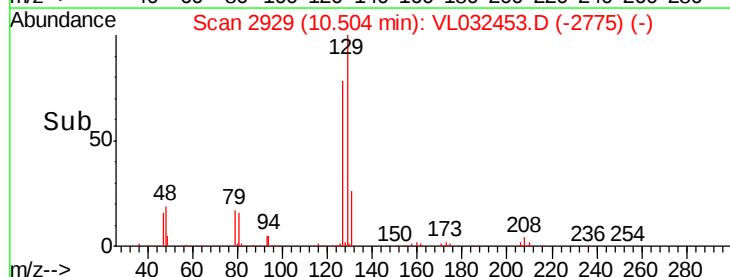
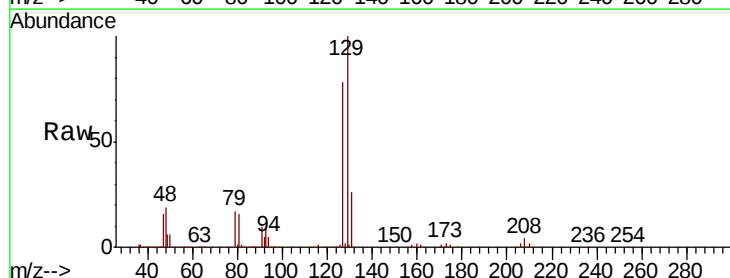
Acq: 5 Sep 2018 10:53

Tgt Ion: 129 Resp: 1715629

Ion Ratio Lower Upper

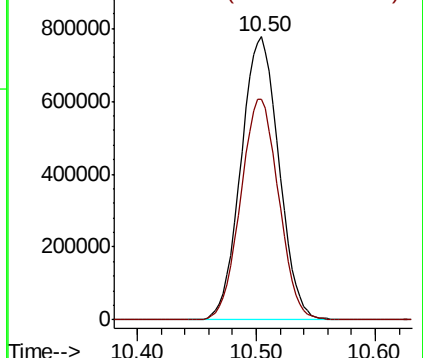
129 100

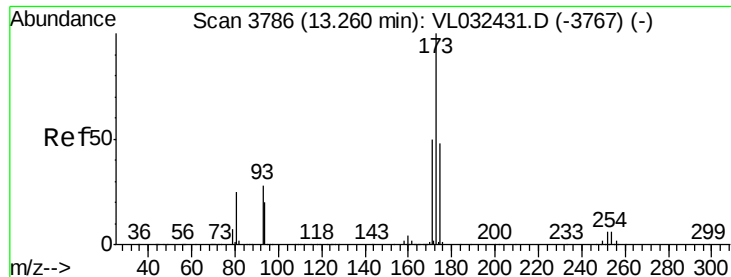
127 78.3 39.5 118.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.025 ppbv

RT: 13.26 min Scan# 3785

Delta R.T. -0.00 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

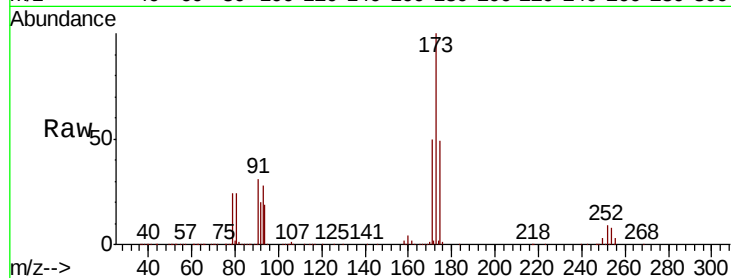
Tgt Ion:173 Resp: 1461010

Ion Ratio Lower Upper

173 100

175 48.8 38.9 58.3

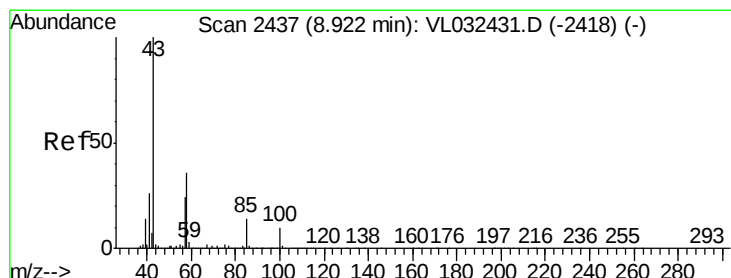
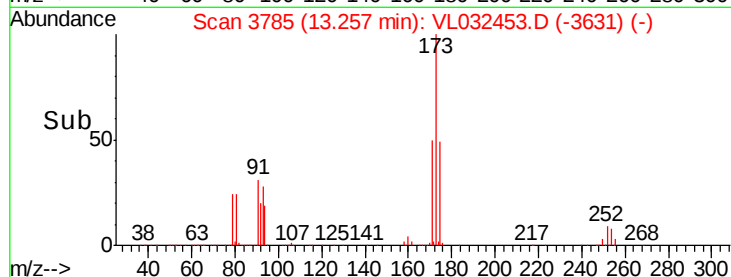
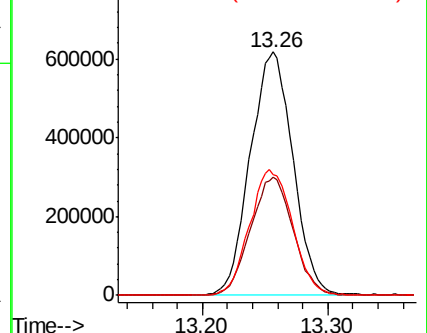
171 52.4 41.6 62.4



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: 10.418 ppbv

RT: 8.92 min Scan# 2435

Delta R.T. -0.01 min

Lab File: VL032453.D

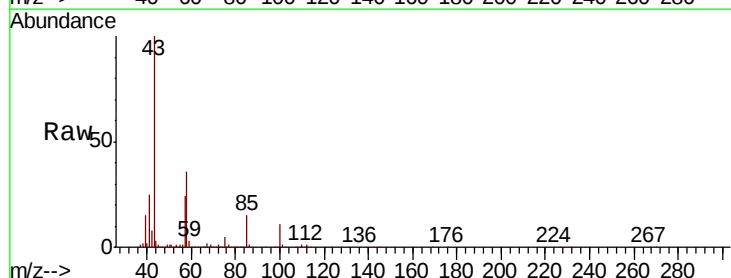
Acq: 5 Sep 2018 10:53

Tgt Ion: 43 Resp: 3260146

Ion Ratio Lower Upper

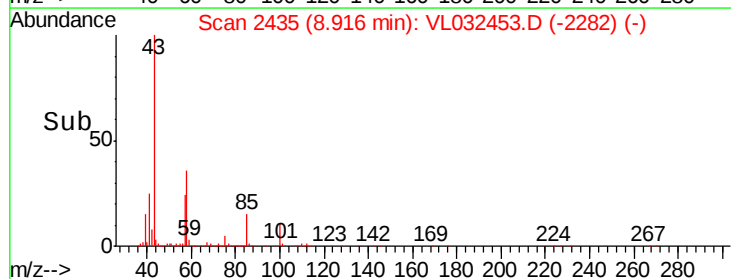
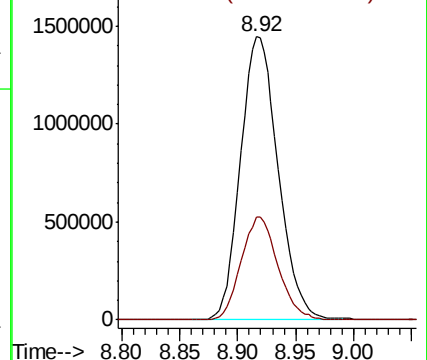
43 100

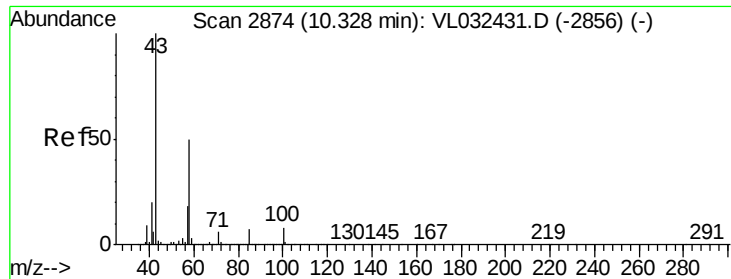
58 35.7 29.0 43.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.980 ppbv

RT: 10.32 min Scan# 2871

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

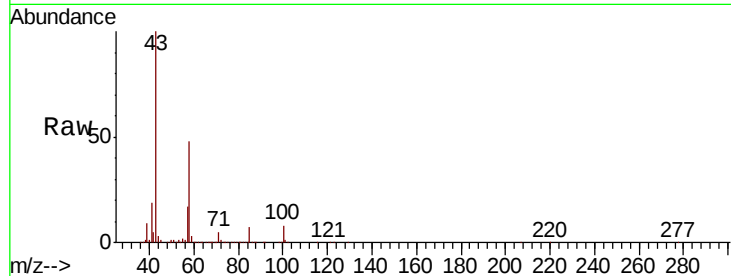
Tgt Ion: 43 Resp: 2414664

Ion Ratio Lower Upper

43 100

58 49.3 39.2 58.8

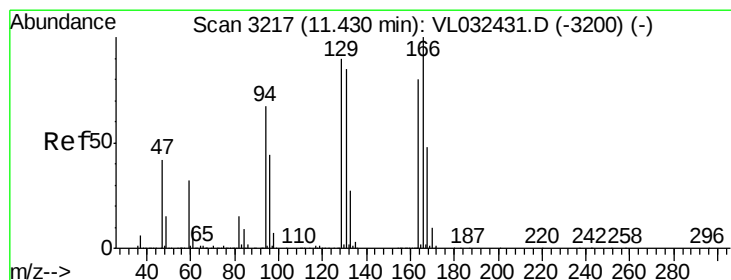
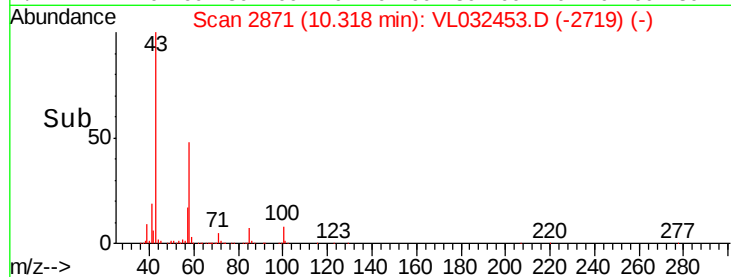
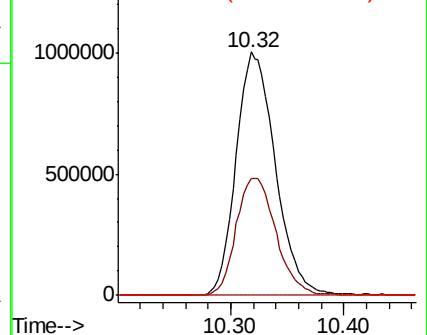
98 0.2 0.4 0.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.510 ppbv

RT: 11.43 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Tgt Ion: 164 Resp: 867337

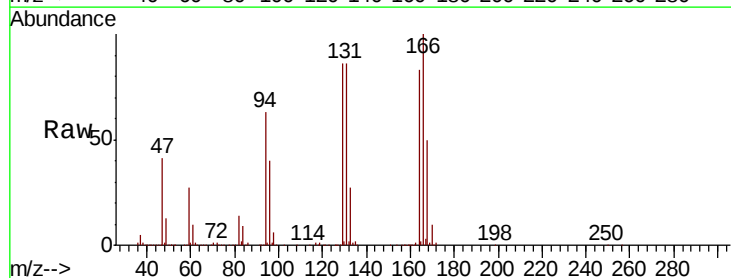
Ion Ratio Lower Upper

164 100

166 120.5 100.6 150.8

129 103.8 89.9 134.9

131 103.3 85.9 128.9

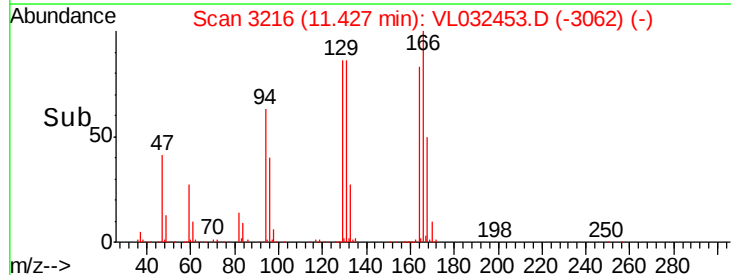
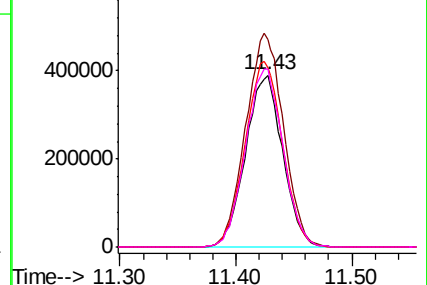


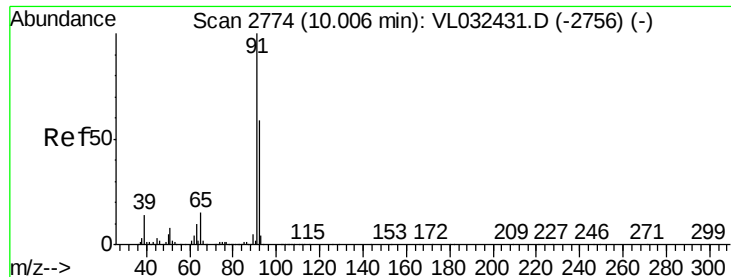
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.320 ppbv

RT: 10.00 min Scan# 2771

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

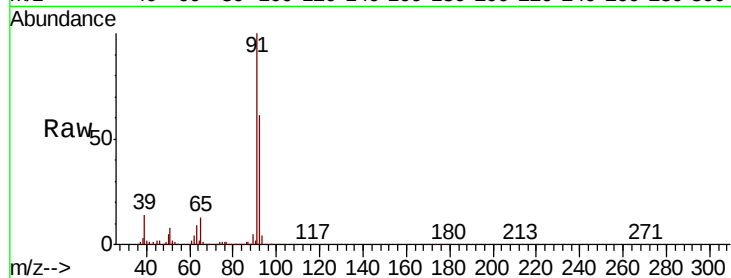
VSTDCCC010

Tgt Ion: 91 Resp: 3149186

Ion Ratio Lower Upper

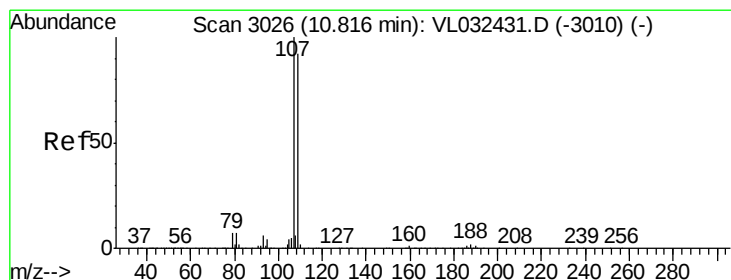
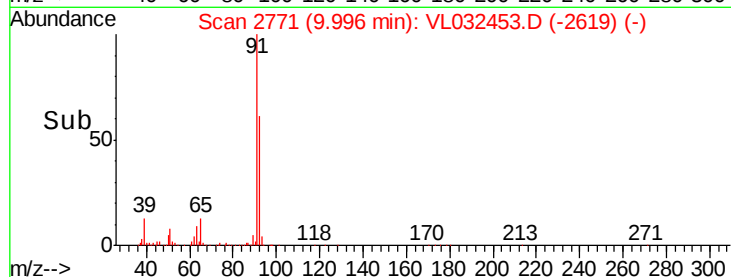
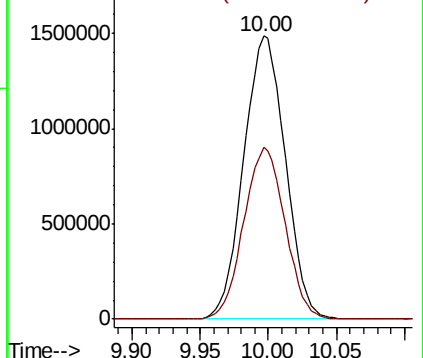
91 100

92 60.3 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 11.238 ppbv

RT: 10.81 min Scan# 3024

Delta R.T. -0.01 min

Lab File: VL032453.D

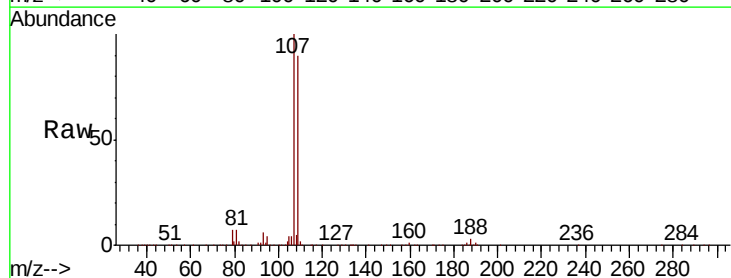
Acq: 5 Sep 2018 10:53

Tgt Ion: 107 Resp: 1826795

Ion Ratio Lower Upper

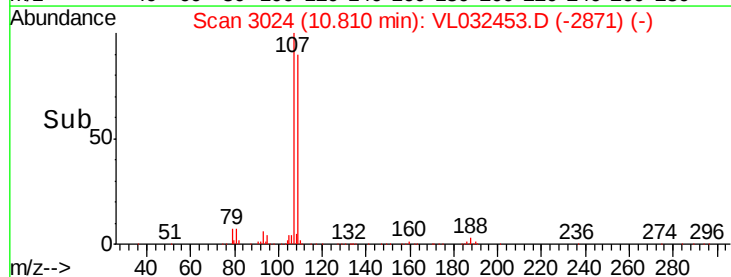
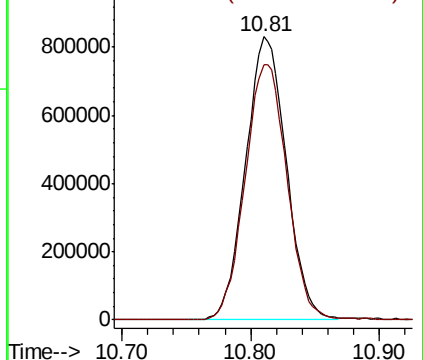
107 100

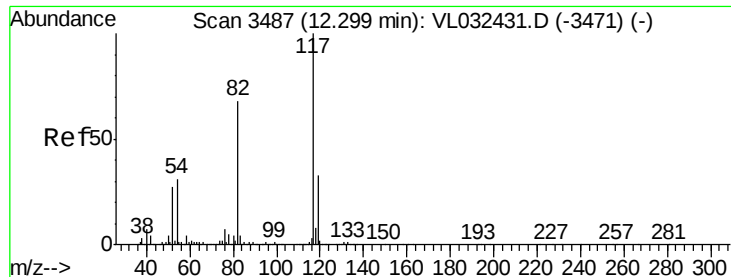
109 90.4 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

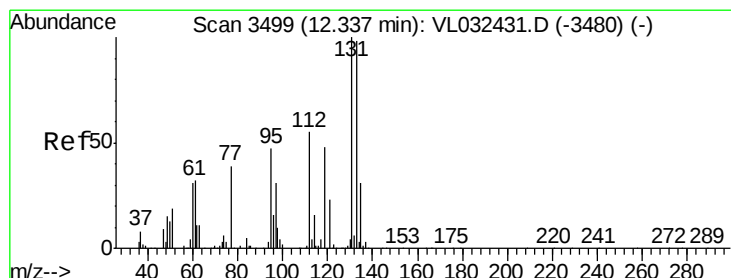
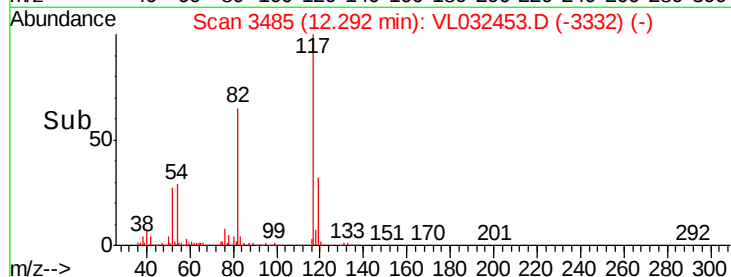
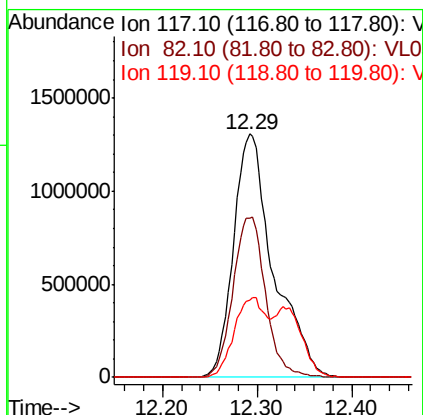
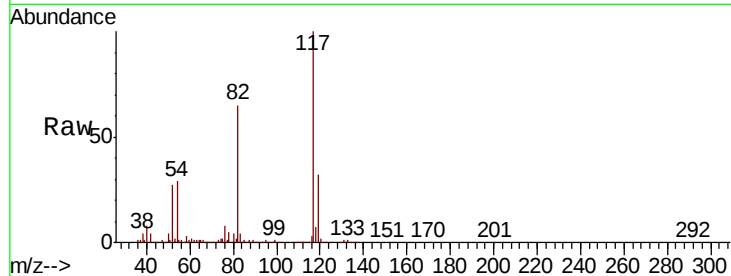




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.29 min Scan# 3485
Delta R.T. -0.01 min
Lab File: VL032453.D
Acq: 5 Sep 2018 10:53

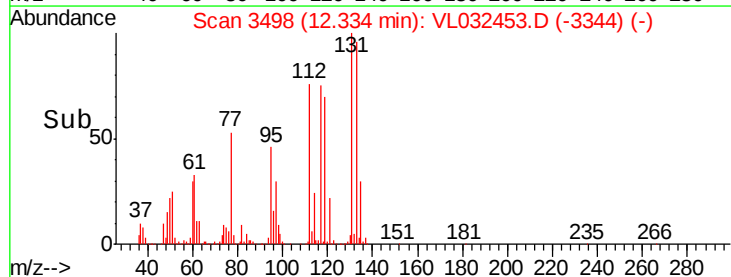
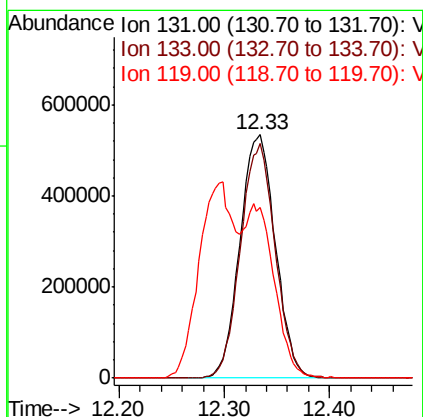
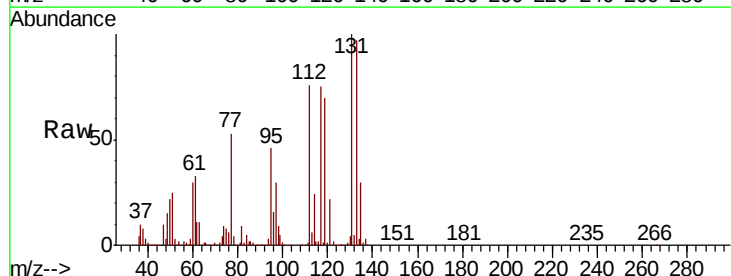
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

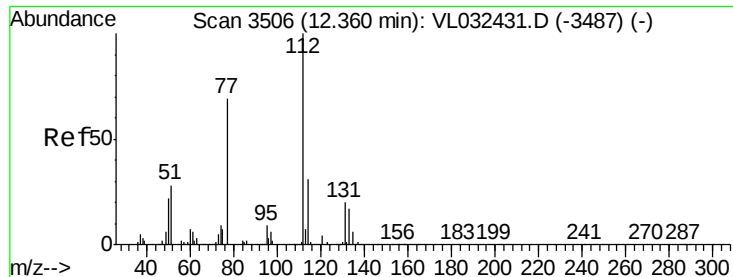
Tgt Ion:117 Resp: 3840374
Ion Ratio Lower Upper
117 100
82 53.7 53.0 79.6
119 26.7 45.9 68.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.220 ppbv
RT: 12.33 min Scan# 3498
Delta R.T. -0.00 min
Lab File: VL032453.D
Acq: 5 Sep 2018 10:53

Tgt Ion:131 Resp: 1250036
Ion Ratio Lower Upper
131 100
133 94.7 77.0 115.4
119 61.1 114.2 171.2#





#57

Chlorobenzene

Concen: 7.510 ppbv

RT: 12.36 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

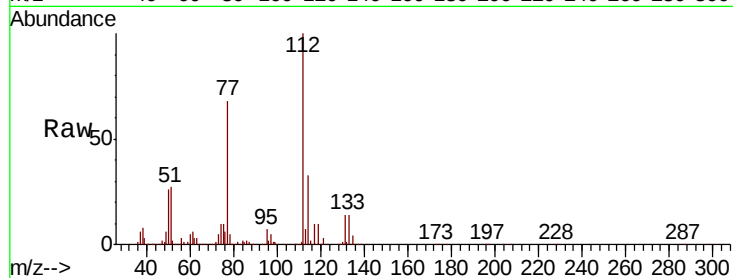
Tgt Ion: 112 Resp: 2305096

Ion Ratio Lower Upper

112 100

77 67.8 56.1 84.1

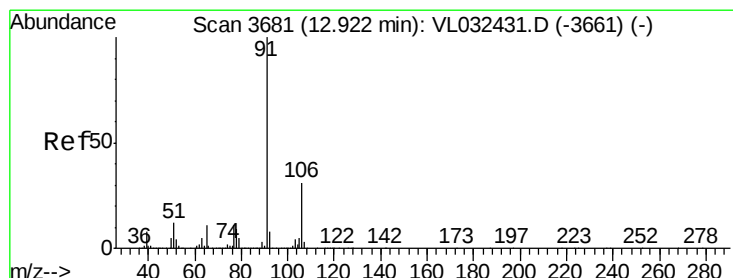
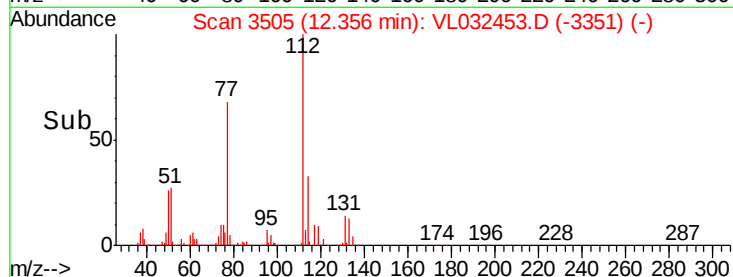
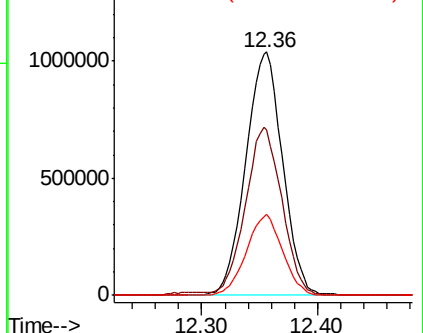
114 33.1 27.8 34.0



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.354 ppbv

RT: 12.91 min Scan# 3678

Delta R.T. -0.01 min

Lab File: VL032453.D

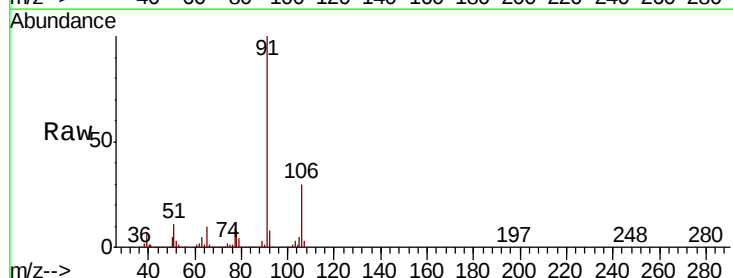
Acq: 5 Sep 2018 10:53

Tgt Ion: 91 Resp: 4299080

Ion Ratio Lower Upper

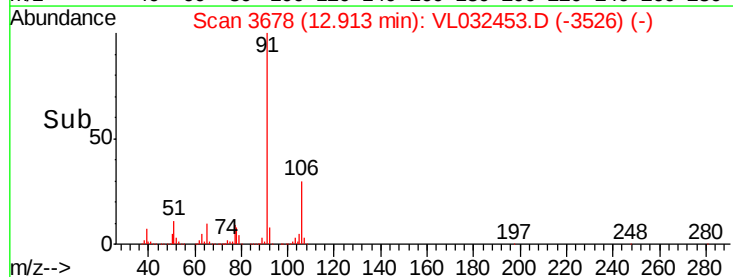
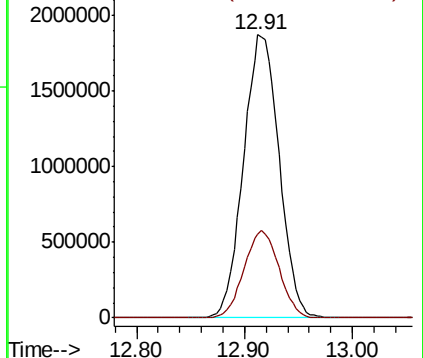
91 100

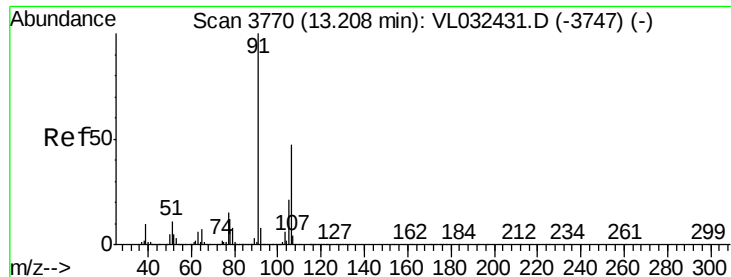
106 29.7 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.243 ppbv

RT: 13.20 min Scan# 3768

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

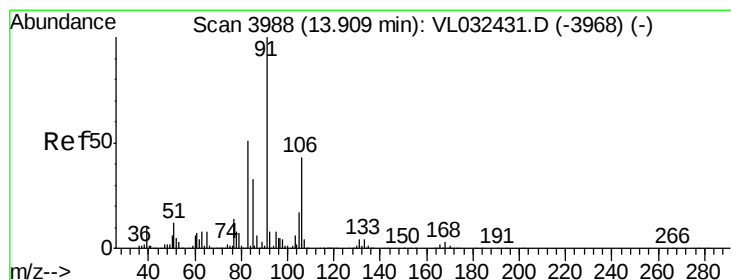
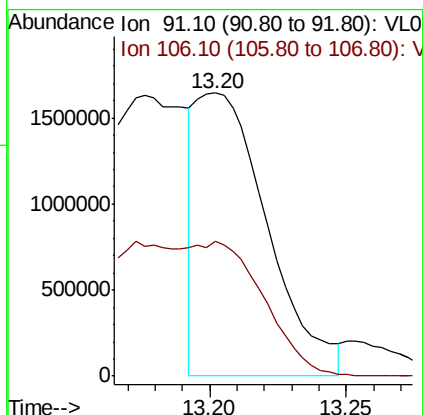
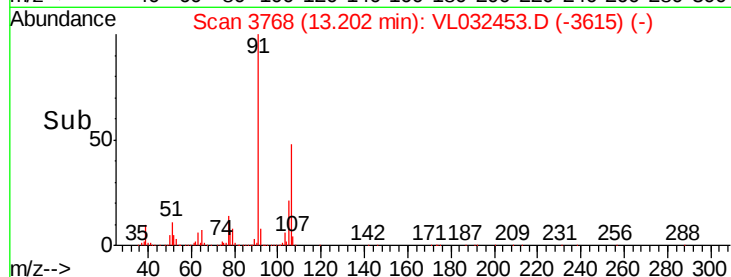
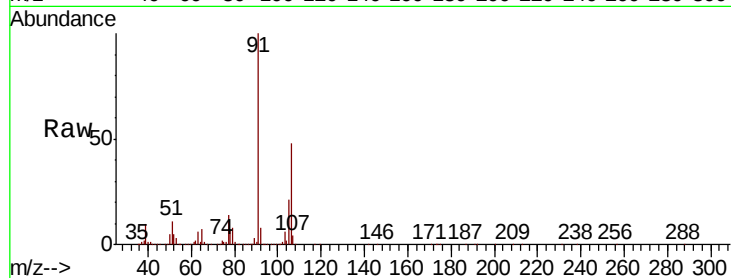
VSTDCCC010

Tgt Ion: 91 Resp: 2967782

Ion Ratio Lower Upper

91 100

106 0.0 36.6 55.0#



#60

o-Xylene

Concen: 8.187 ppbv

RT: 13.90 min Scan# 3986

Delta R.T. -0.01 min

Lab File: VL032453.D

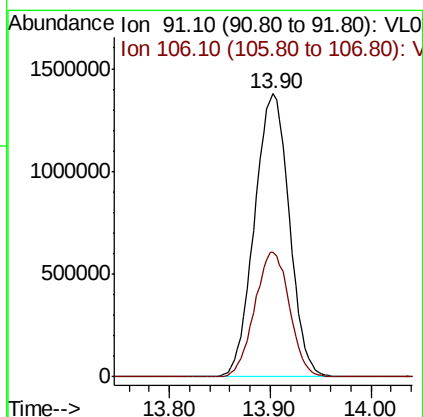
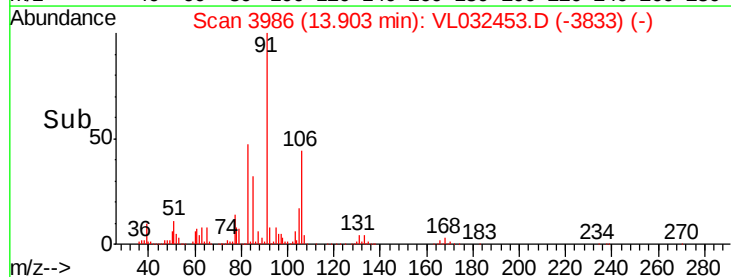
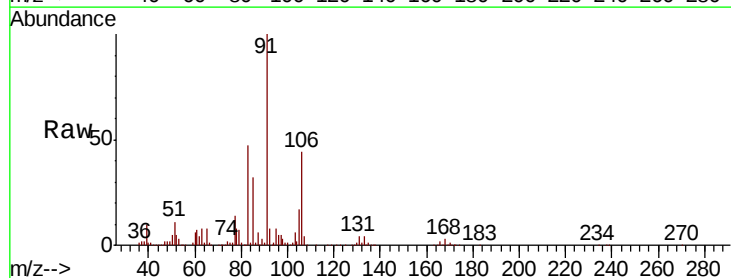
Acq: 5 Sep 2018 10:53

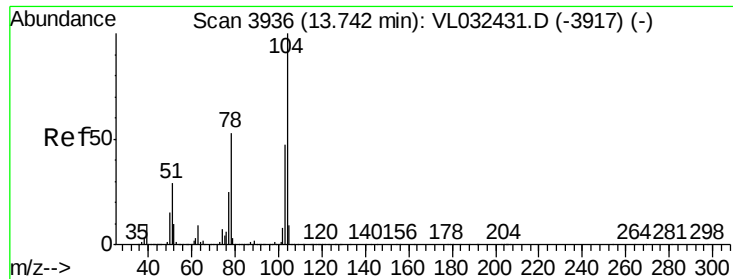
Tgt Ion: 91 Resp: 3295121

Ion Ratio Lower Upper

91 100

106 44.1 21.9 65.7





#61

Styrene

Concen: 10.086 ppbv

RT: 13.74 min Scan# 3935

Delta R.T. -0.00 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

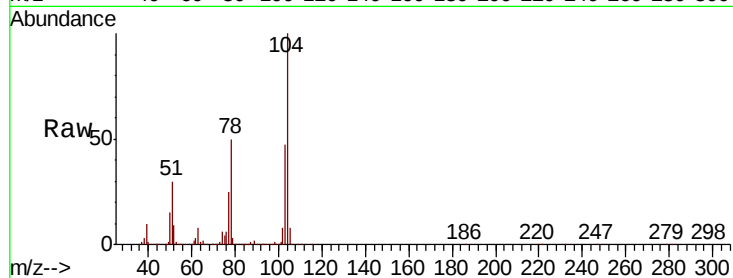
Tgt Ion:104 Resp: 2628047

Ion Ratio Lower Upper

104 100

78 51.0 41.8 62.8

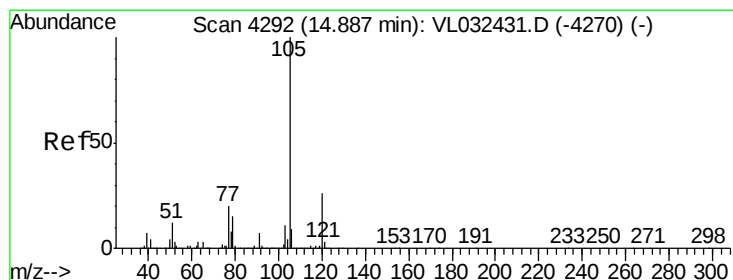
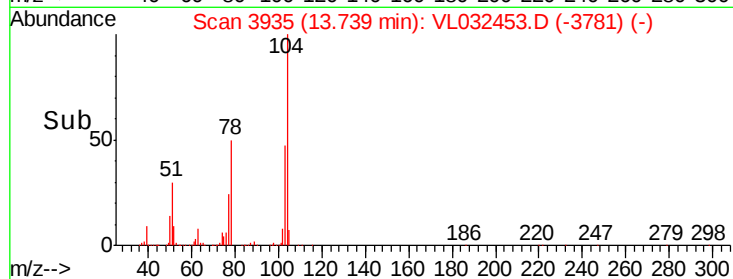
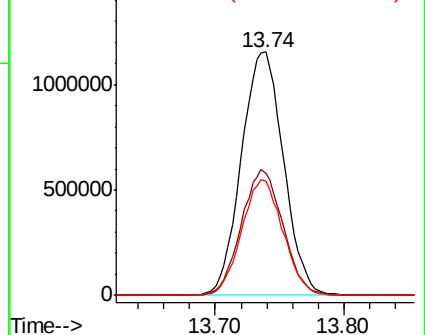
103 46.9 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.440 ppbv

RT: 14.88 min Scan# 4289

Delta R.T. -0.01 min

Lab File: VL032453.D

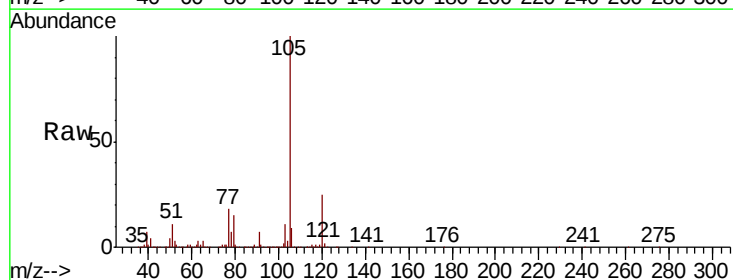
Acq: 5 Sep 2018 10:53

Tgt Ion:105 Resp: 4775041

Ion Ratio Lower Upper

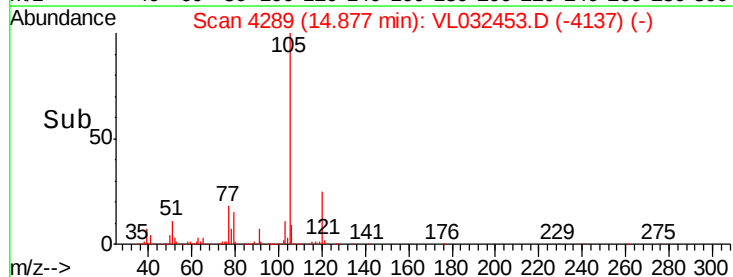
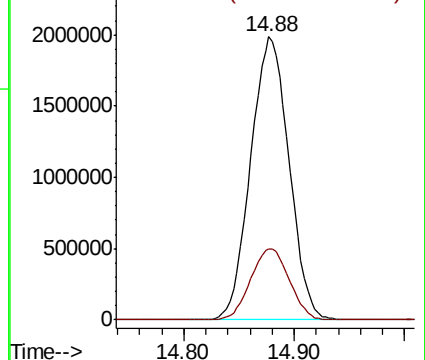
105 100

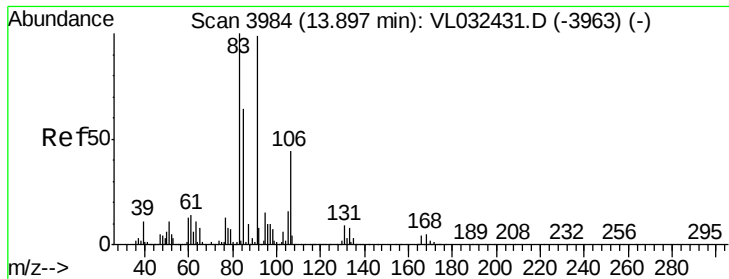
120 25.5 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

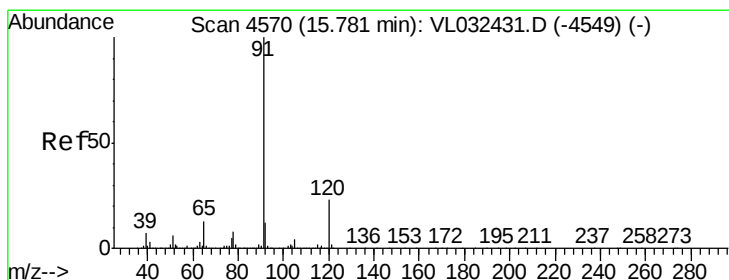
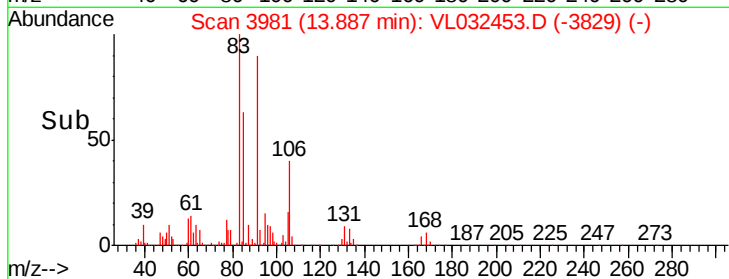
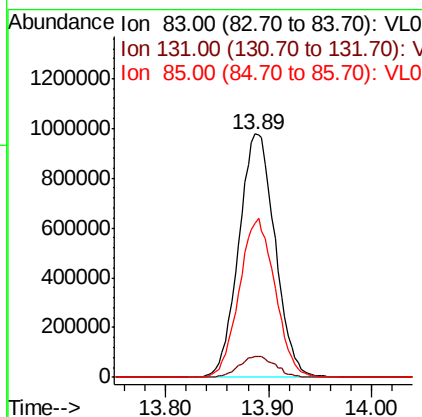
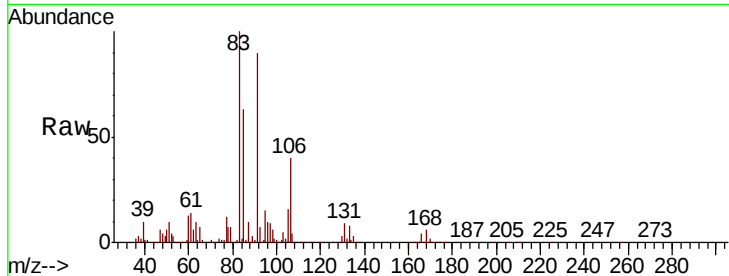




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.626 ppbv
 RT: 13.89 min Scan# 3981
 Delta R.T. -0.01 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

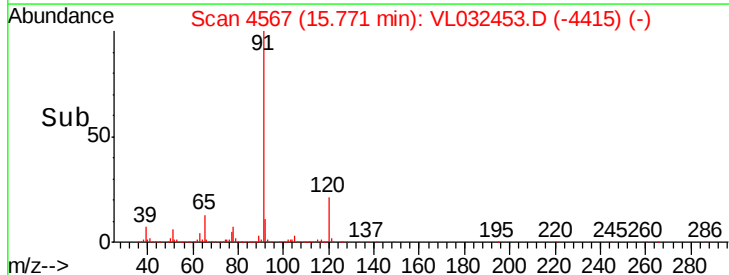
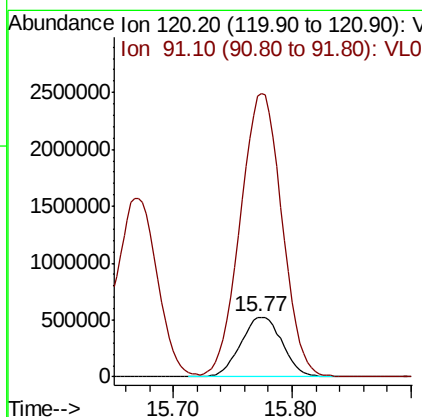
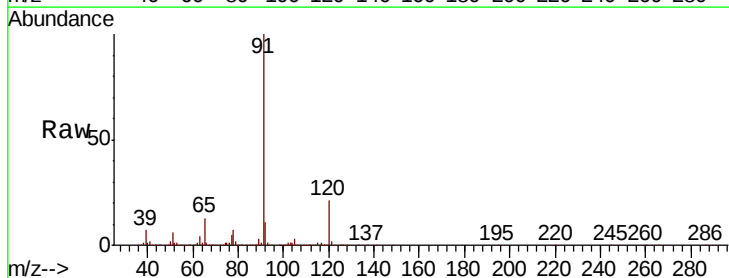
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

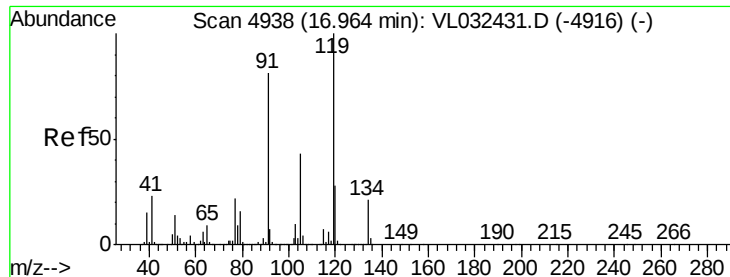
Tgt Ion: 83 Resp: 2384529
 Ion Ratio Lower Upper
 83 100
 131 8.7 4.3 12.8
 85 64.6 32.3 96.8



#64
 n-propylbenzene
 Concen: 8.572 ppbv
 RT: 15.77 min Scan# 4567
 Delta R.T. -0.01 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

Tgt Ion: 120 Resp: 1267895
 Ion Ratio Lower Upper
 120 100
 91 477.3 381.8 572.6

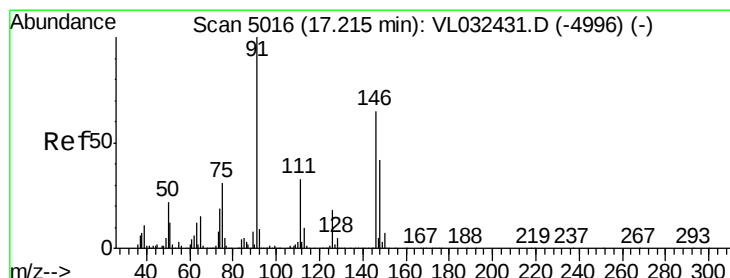
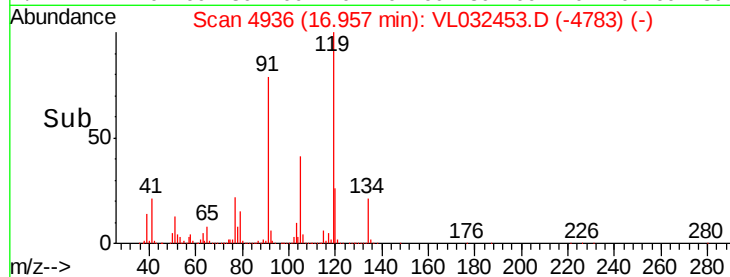
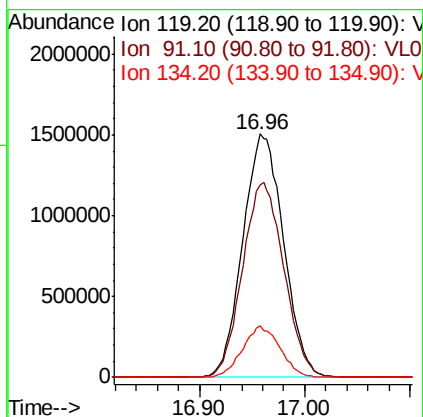
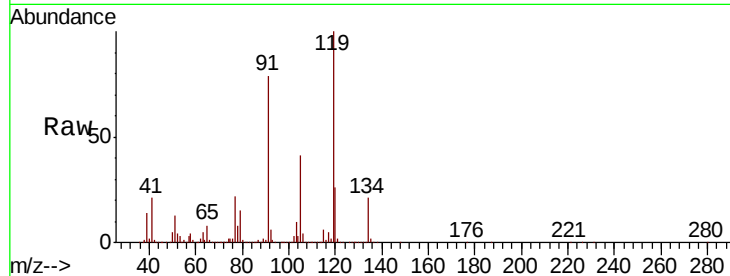




#65
 tert-Butylbenzene
 Concen: 8.306 ppbv
 RT: 16.96 min Scan# 4936
 Delta R.T. -0.01 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

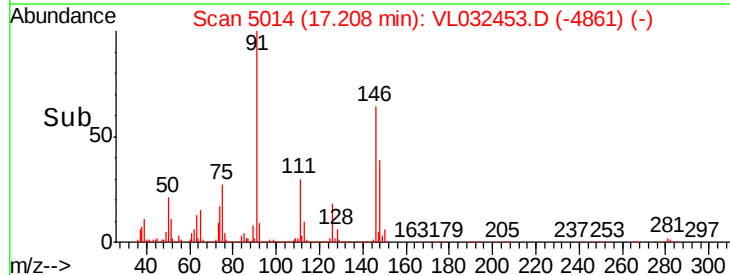
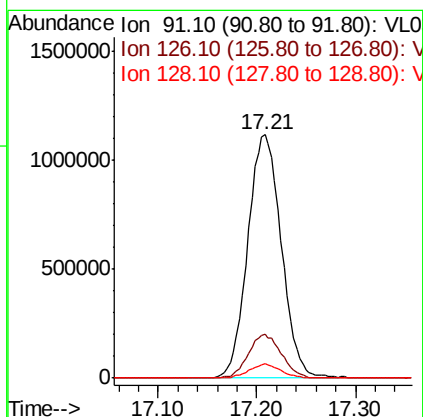
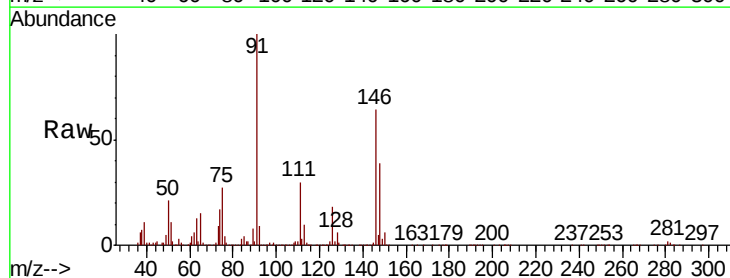
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

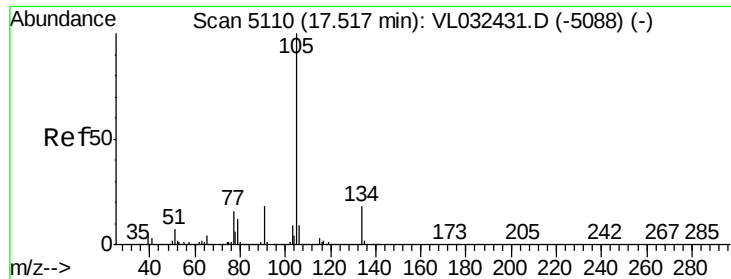
Tgt Ion: 119 Resp: 4049674
 Ion Ratio Lower Upper
 119 100
 91 81.3 66.5 99.7
 134 19.5 16.0 24.0



#66
 Benzyl Chloride
 Concen: 9.623 ppbv
 RT: 17.21 min Scan# 5014
 Delta R.T. -0.01 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

Tgt Ion: 91 Resp: 2613471
 Ion Ratio Lower Upper
 91 100
 126 17.8 13.8 20.8
 128 5.5 4.4 6.6

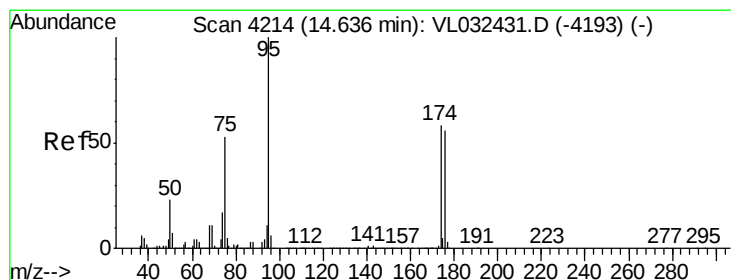
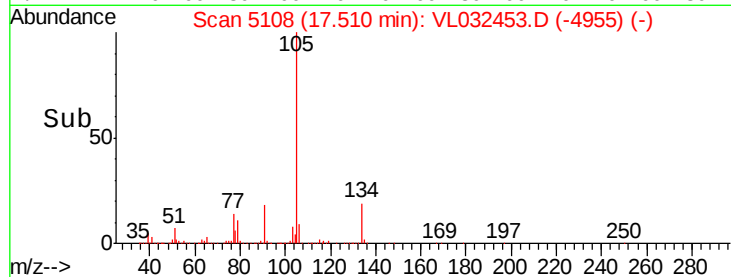
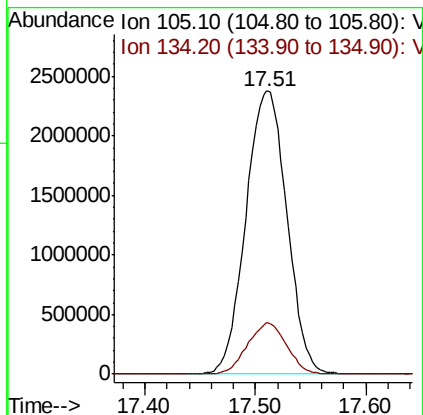
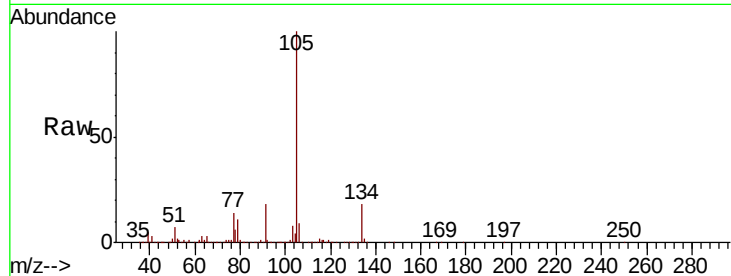




#67
 sec-Butylbenzene
 Concen: 8.326 ppbv
 RT: 17.51 min Scan# 5108
 Delta R.T. -0.01 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

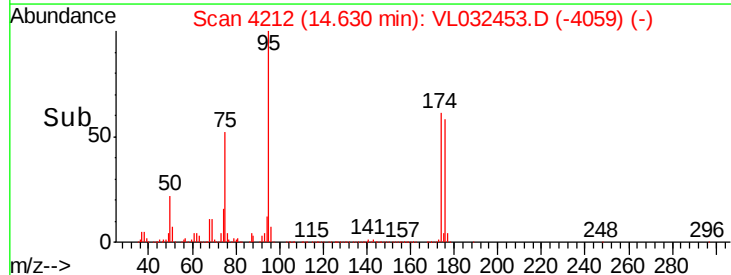
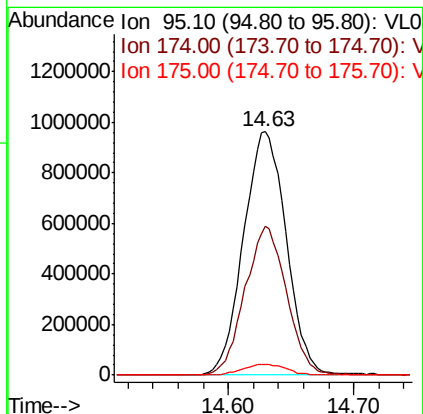
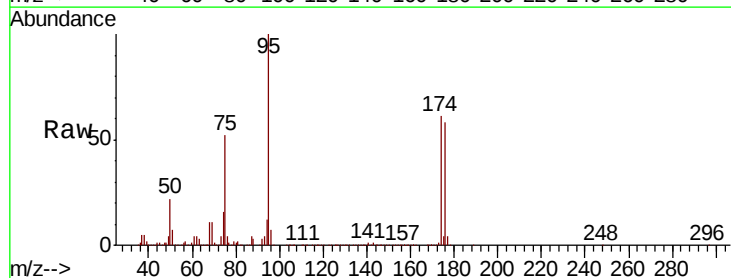
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

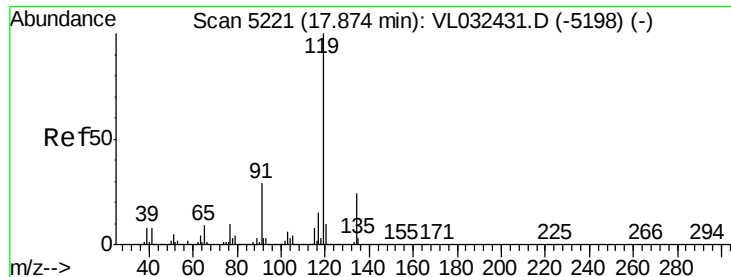
Tgt Ion: 105 Resp: 6104827
 Ion Ratio Lower Upper
 105 100
 134 17.4 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.000 ppbv
 RT: 14.63 min Scan# 4212
 Delta R.T. -0.01 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

Tgt Ion: 95 Resp: 2280812
 Ion Ratio Lower Upper
 95 100
 174 59.8 46.3 69.5
 175 4.5 3.4 5.0

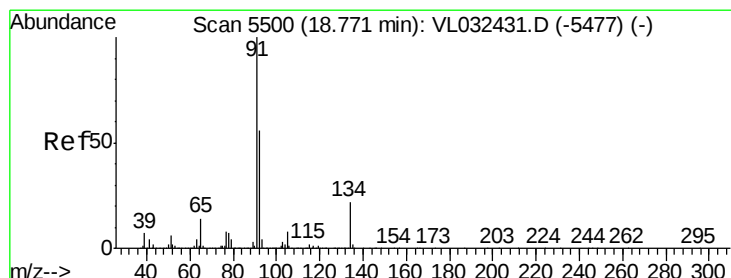
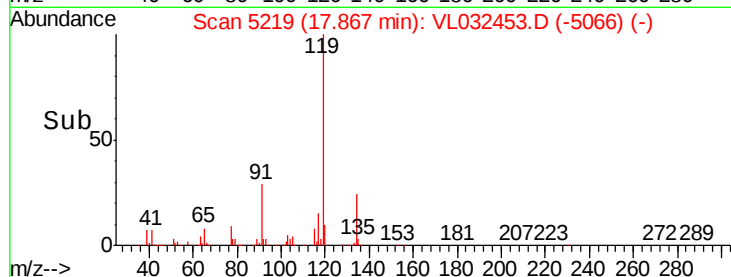
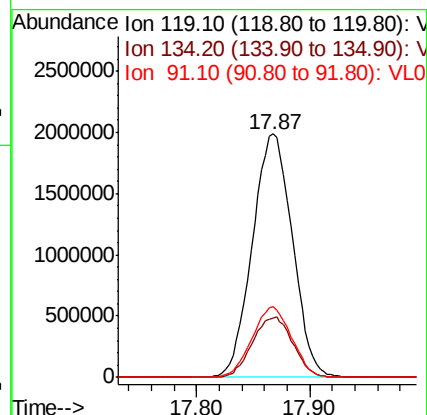
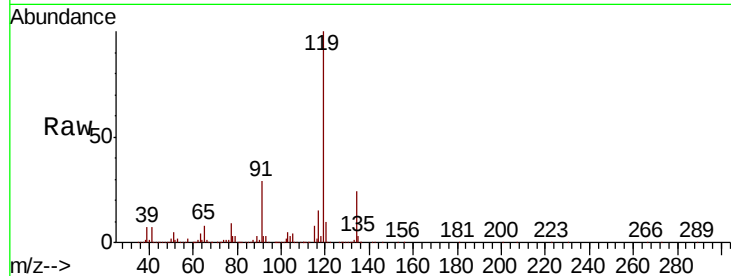




#69
 p-Isopropyltoluene
 Concen: 8.599 ppbv
 RT: 17.87 min Scan# 5219
 Delta R.T. -0.01 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

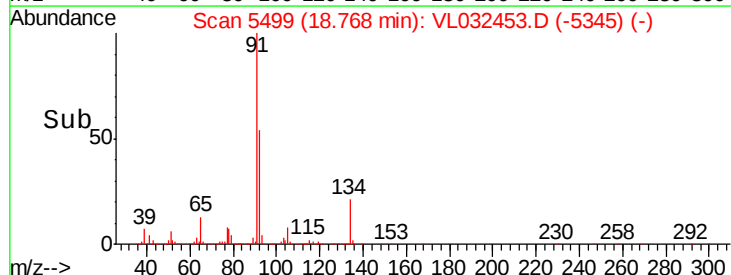
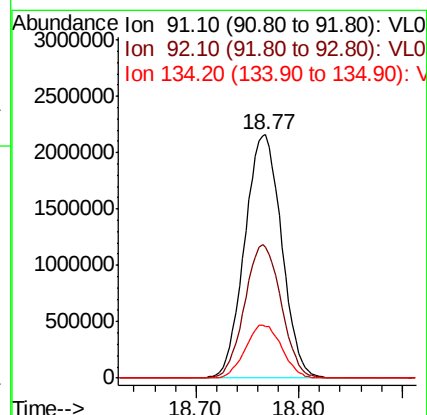
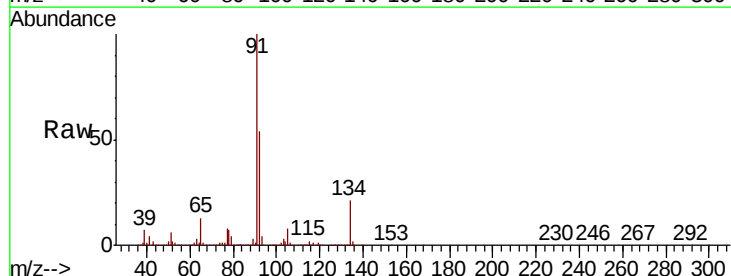
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

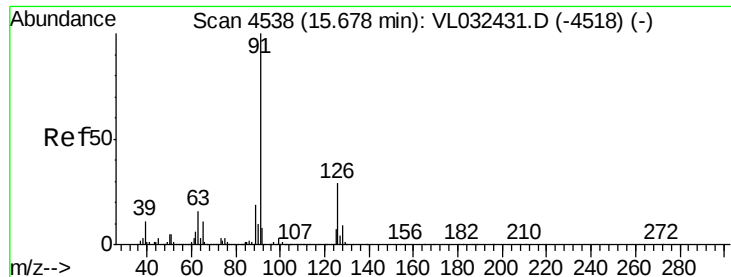
Tgt Ion: 119 Resp: 4886578
 Ion Ratio Lower Upper
 119 100
 134 25.0 20.4 30.6
 91 28.6 23.4 35.2



#70
 n-Butylbenzene
 Concen: 8.322 ppbv
 RT: 18.77 min Scan# 5499
 Delta R.T. -0.00 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

Tgt Ion: 91 Resp: 5360411
 Ion Ratio Lower Upper
 91 100
 92 54.3 43.8 65.8
 134 21.7 17.4 26.0





#71

2-Chlorotoluene

Concen: 8.803 ppbv

RT: 15.67 min Scan# 4536

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

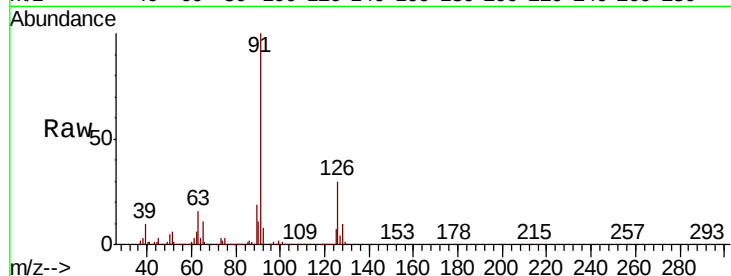
VSTDCCC010

Tgt Ion: 91 Resp: 3805054

Ion Ratio Lower Upper

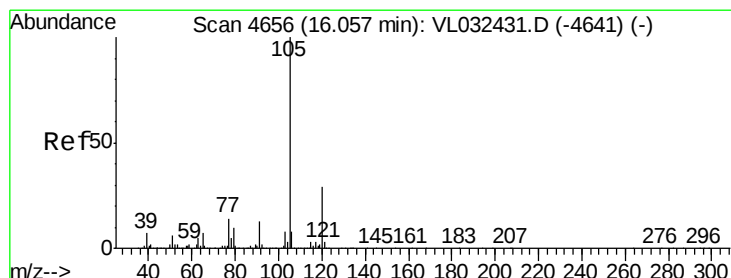
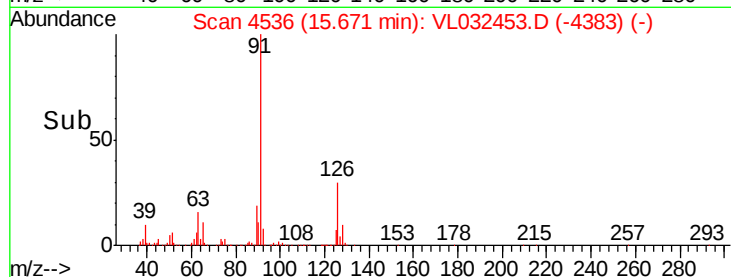
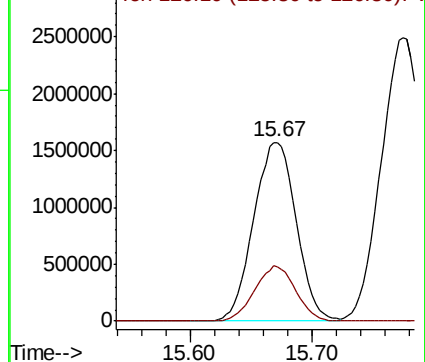
91 100

126 29.6 11.9 47.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.215 ppbv

RT: 16.05 min Scan# 4655

Delta R.T. -0.00 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Tgt Ion: 105 Resp: 4049102

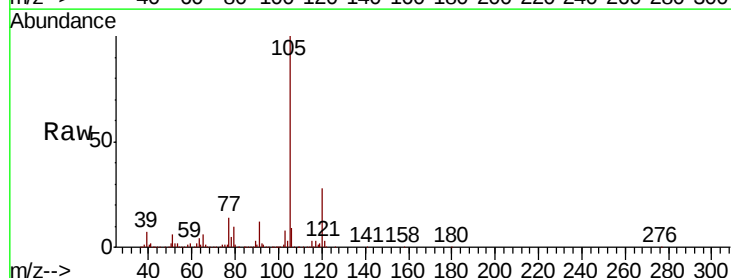
Ion Ratio Lower Upper

105 100

120 28.8 23.5 35.3

91 11.9 10.2 15.2

77 13.4 11.1 16.7

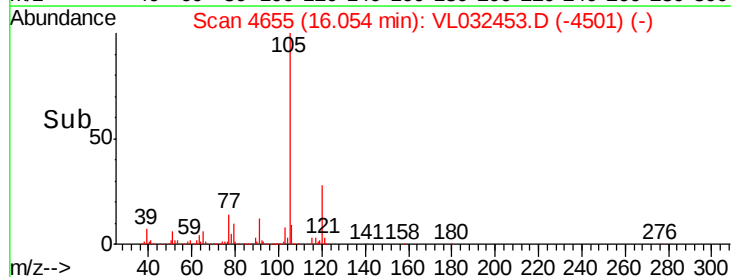
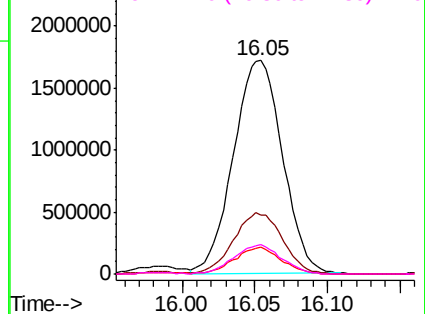


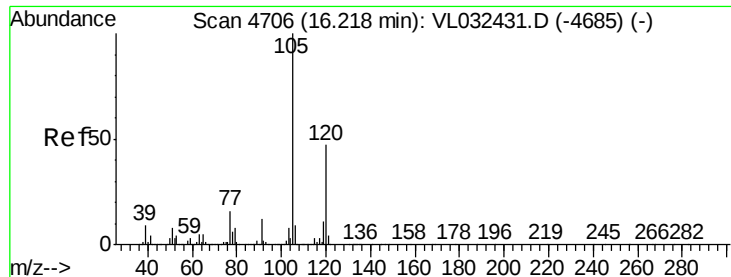
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.742 ppbv

RT: 16.21 min Scan# 4704

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

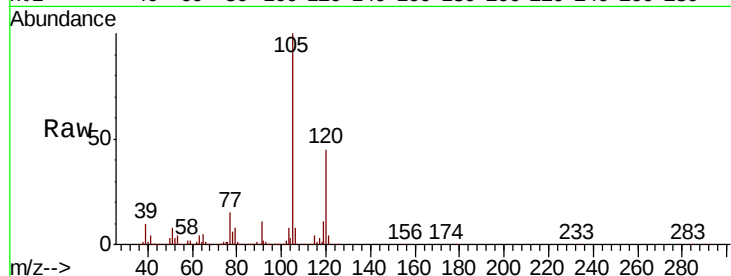
VSTDCCC010

Tgt Ion:105 Resp: 3848417

Ion Ratio Lower Upper

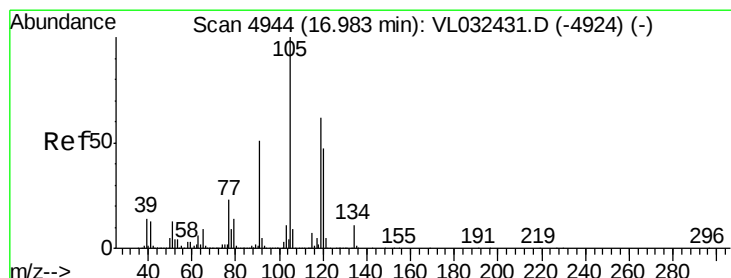
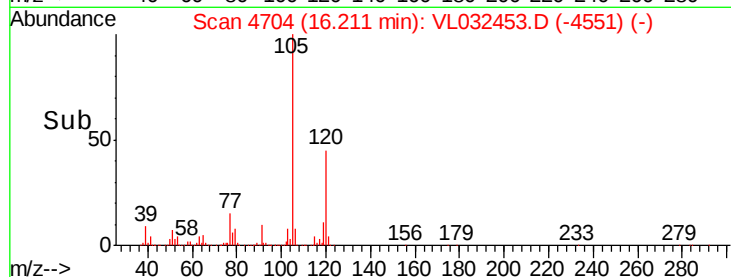
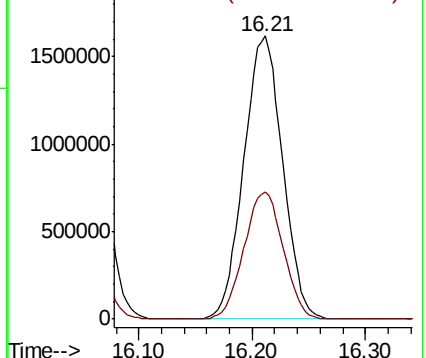
105 100

120 45.1 37.9 56.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.814 ppbv

RT: 16.98 min Scan# 4943

Delta R.T. -0.00 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Tgt Ion:105 Resp: 3760790

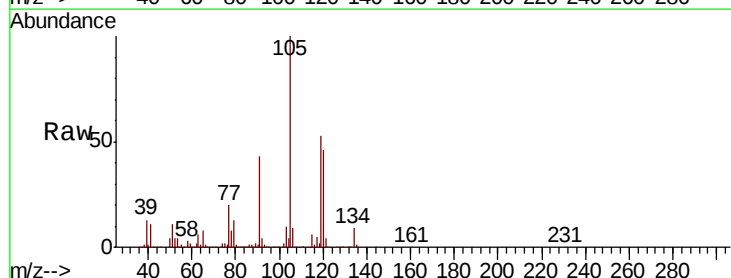
Ion Ratio Lower Upper

105 100

120 46.1 37.8 56.8

91 42.6 41.4 62.0

77 19.7 18.6 28.0

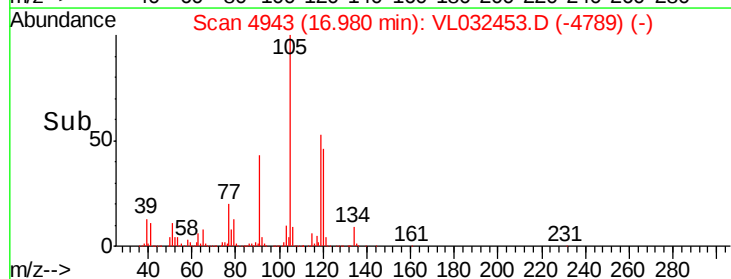
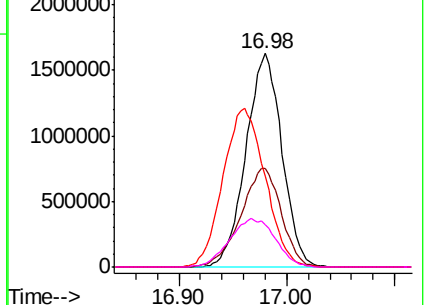


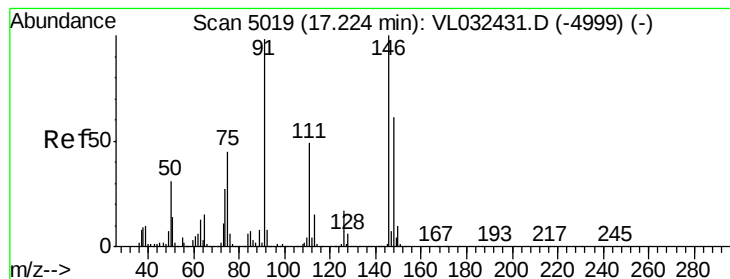
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 7.410 ppbv

RT: 17.22 min Scan# 5017

Delta R.T. -0.01 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

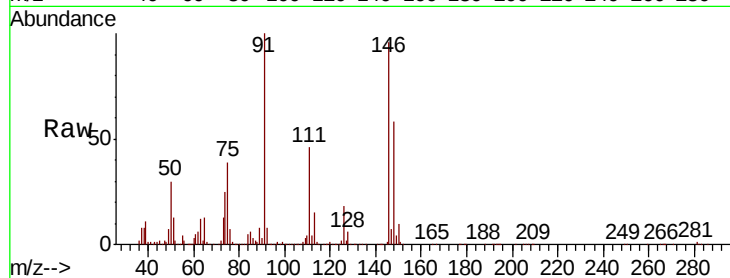
Tgt Ion:146 Resp: 2115977

Ion Ratio Lower Upper

146 100

111 48.3 24.5 73.5

148 63.9 32.0 96.2

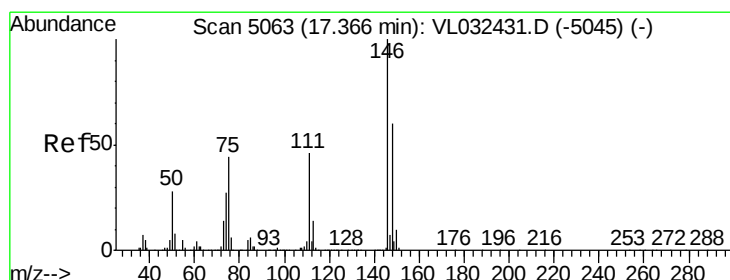
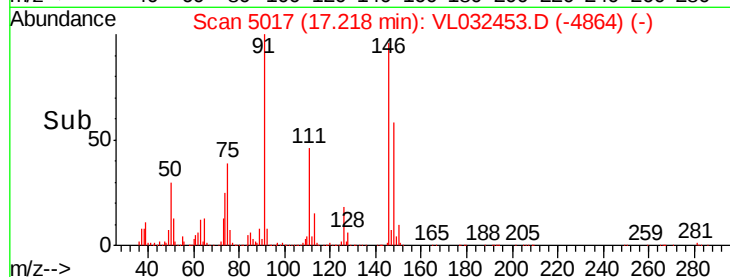
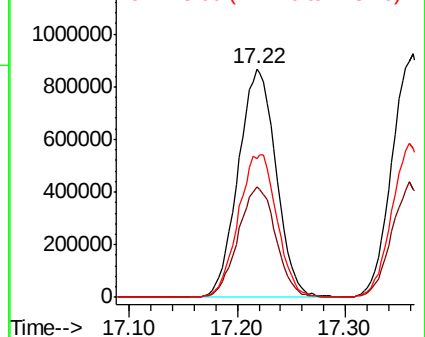


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.198 ppbv

RT: 17.36 min Scan# 5062

Delta R.T. -0.00 min

Lab File: VL032453.D

Acq: 5 Sep 2018 10:53

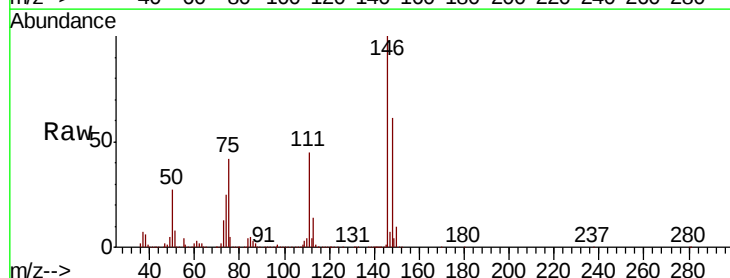
Tgt Ion:146 Resp: 2172169

Ion Ratio Lower Upper

146 100

111 46.6 23.4 70.2

148 63.9 32.0 96.2

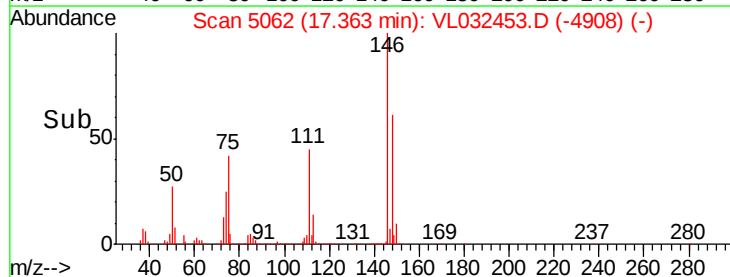
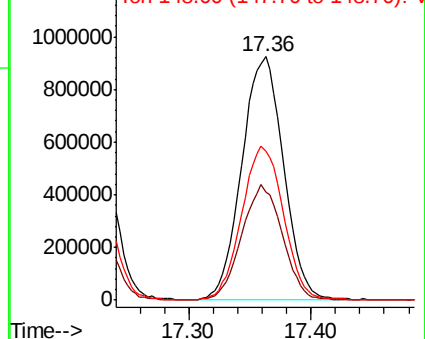


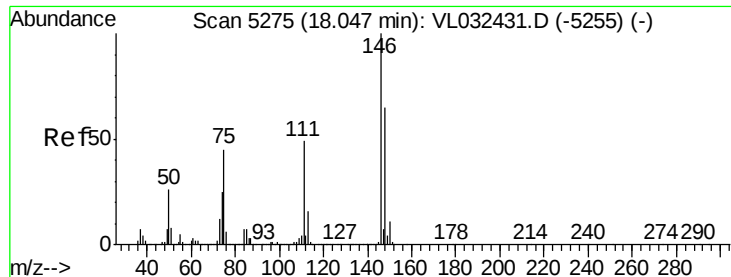
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

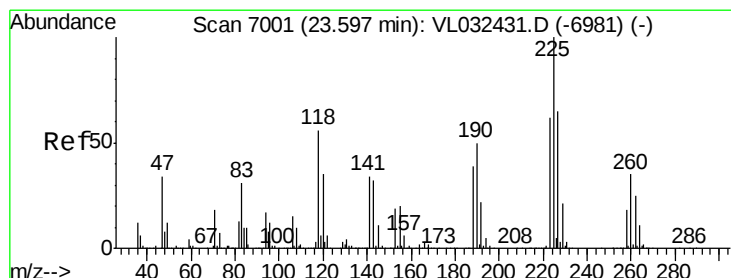
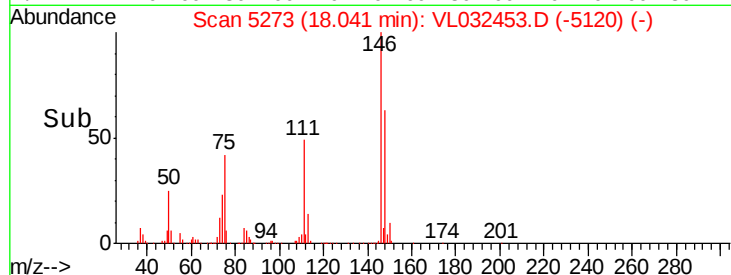
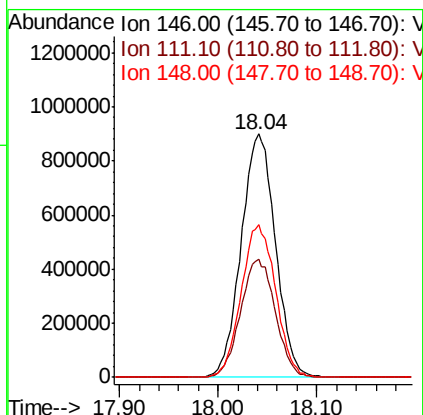
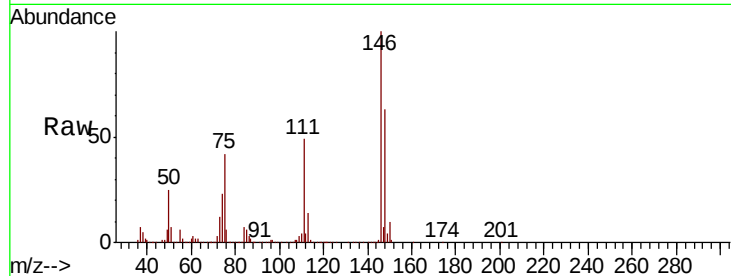




#77
 1,2-Dichlorobenzene
 Concen: 7.835 ppbv
 RT: 18.04 min Scan# 5273
 Delta R.T. -0.01 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

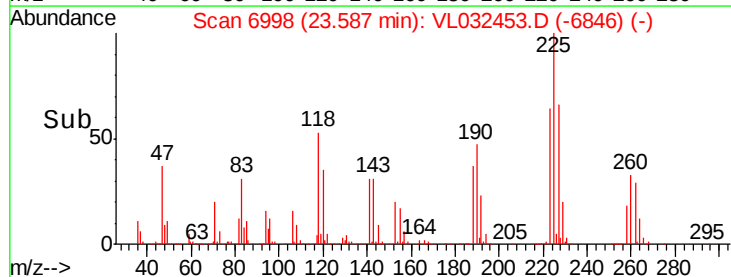
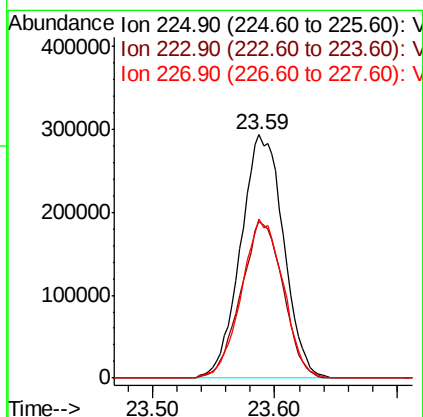
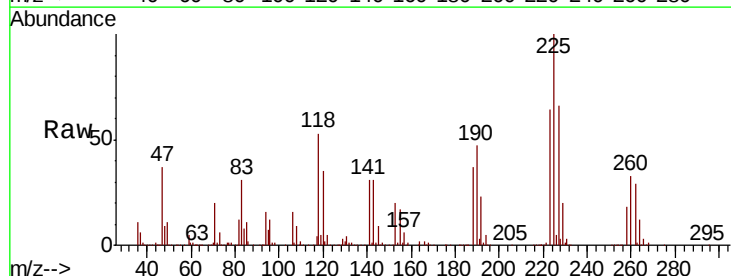
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

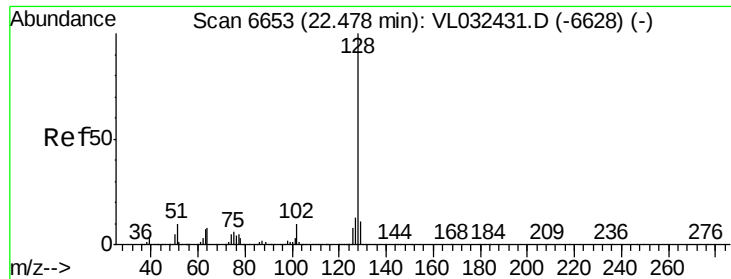
Tgt Ion:146 Resp: 2158776
 Ion Ratio Lower Upper
 146 100
 111 49.3 24.9 74.8
 148 63.1 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.923 ppbv
 RT: 23.59 min Scan# 6998
 Delta R.T. -0.01 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

Tgt Ion:225 Resp: 712730
 Ion Ratio Lower Upper
 225 100
 223 63.5 50.6 76.0
 227 64.0 51.2 76.8



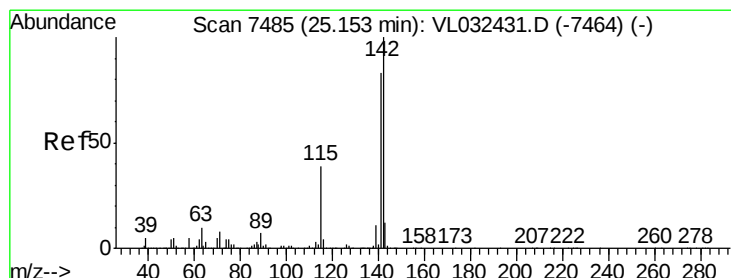
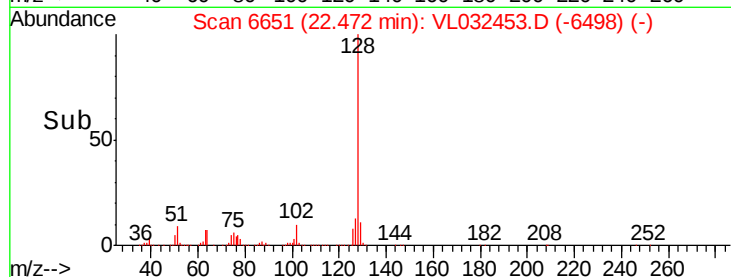
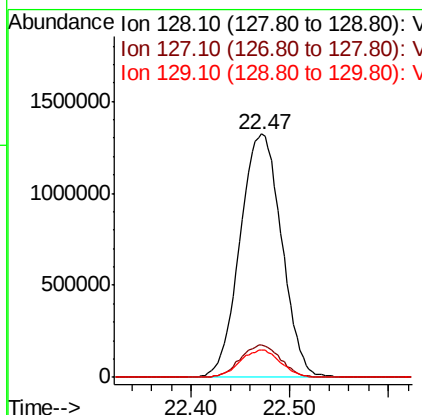
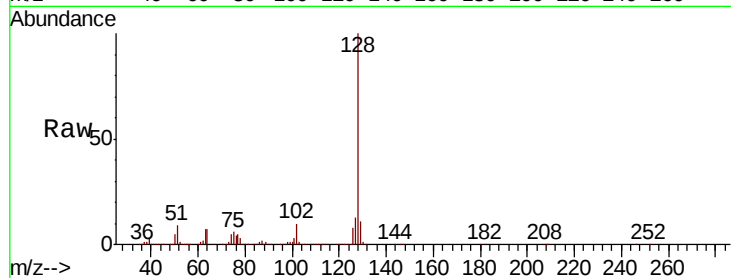


#79
Naphthalene
Concen: 9.851 ppbv
RT: 22.47 min Scan# 6651
Delta R.T. -0.01 min
Lab File: VL032453.D
Acq: 5 Sep 2018 10:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:128 Resp: 3855302

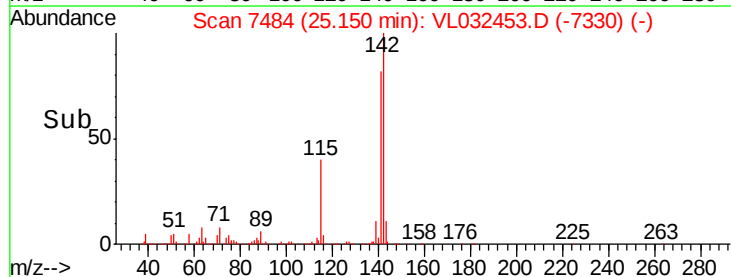
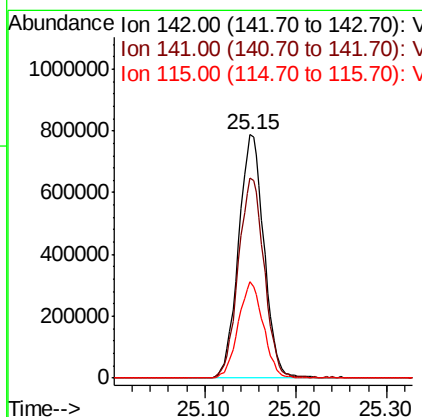
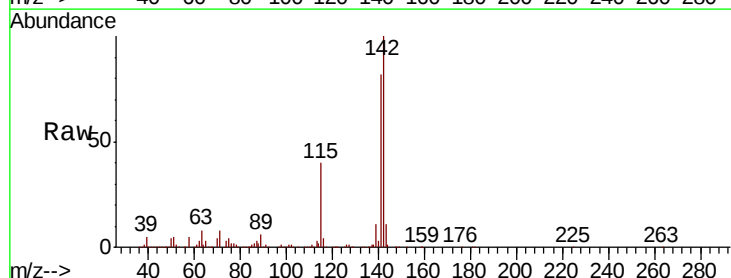
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.2	15.2
129	11.4	8.5	12.7

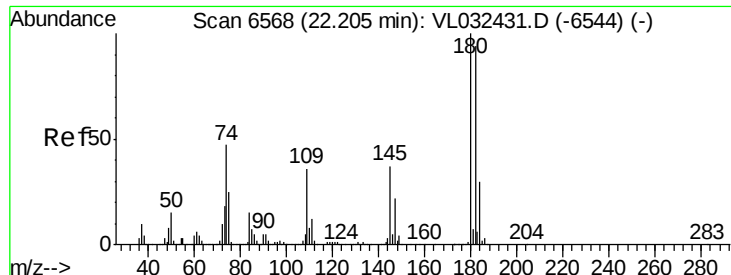


#80
Naphthalene, 2-methyl-
Concen: 14.676 ppbv
RT: 25.15 min Scan# 7484
Delta R.T. -0.00 min
Lab File: VL032453.D
Acq: 5 Sep 2018 10:53

Tgt Ion:142 Resp: 1528298

Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.0	100.6
115	39.0	31.3	46.9





#81
 1,2,4-Trichlorobenzene
 Concen: 9.160 ppbv
 RT: 22.19 min Scan# 6564
 Delta R.T. -0.01 min
 Lab File: VL032453.D
 Acq: 5 Sep 2018 10:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 1805679
 Ion Ratio Lower Upper
 180 100
 182 95.3 76.1 114.1
 184 30.2 23.8 35.8

