

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
 Data File : VL032451.D
 Acq On : 31 Aug 2018 22:16
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Sep 01 02:03:53 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	5.81	49	1485494	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3390262	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	4073036	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	2373269	7.85	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.11	85	1248434	6.570	ppbv	100
3) Chlorodifluoromethane	3.04	51	1317069	9.795	ppbv	96
4) Chloromethane	3.20	50	787756	9.675	ppbv	100
5) Vinyl Chloride	3.32	62	744405	9.263	ppbv	100
6) Bromomethane	3.55	94	416424	9.871	ppbv	99
7) Chloroethane	3.63	64	262387	9.433	ppbv	100
8) Dichlorotetrafluoroethane	3.25	85	1540690	9.136	ppbv	93
9) Propene	3.06	41	708612	13.064	ppbv	98
10) Heptane	8.30	43	2244494	11.534	ppbv	98
11) Trichlorofluoromethane	4.04	101	1483214	8.657	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.59	101	1047604	9.023	ppbv	93
13) Ethanol	3.68	45	176013	10.410	ppbv	98
14) Bromoethene	3.82	108	510375	10.376	ppbv	99
15) Acetone	3.94	43	1251128	9.353	ppbv	99
16) 1,3-Butadiene	3.39	39	615443	9.777	ppbv	96
17) tert-Butyl alcohol	4.40	59	268795	13.057	ppbv #	100
18) 1,1-Dichloroethene	4.39	96	524222	9.880	ppbv	96
19) Isopropyl Alcohol	4.06	45	1048760	11.951	ppbv #	10
20) Methylene Chloride	4.45	84	455886	8.938	ppbv	94
21) Allyl Chloride	4.51	41	963363	10.843	ppbv	99
22) trans-1,2-Dichloroethene	5.00	96	538789	9.358	ppbv	97
23) Vinyl Acetate	5.20	43	2545445	11.480	ppbv	99
24) 1,1-Dichloroethane	5.13	63	1604683	8.783	ppbv	99
25) Ethyl Acetate	5.81	43	3249757	10.287	ppbv	100
26) Hexane	5.82	57	1440354	10.183	ppbv	95
27) Carbon Disulfide	4.66	76	1308080	10.018	ppbv	99
28) Methyl tert-Butyl Ether	5.15	73	1974997	11.372	ppbv	99
29) Chloroform	5.89	83	1992040	9.236	ppbv	99
30) Cyclohexane	7.30	84	1251790	12.086	ppbv	99
31) cis-1,2-Dichloroethene	5.68	61	1479338	11.550	ppbv	94
32) 1,1,1-Trichloroethane	6.67	97	1959702	9.748	ppbv	96
34) 2-Butanone	5.37	43	2288689	10.163	ppbv	100
35) Carbon Tetrachloride	7.18	117	1885359	8.274	ppbv	98
36) Benzene	7.05	78	2988234	10.358	ppbv	99
37) 1,2-Dichloroethane	6.46	62	1485625	8.403	ppbv	97
38) Trichloroethene	8.01	130	1100655	10.043	ppbv	99
39) 1,2-Dichloropropane	7.79	63	1184530	9.596	ppbv	98
40) 1,4-Dioxane	8.00	88	436010	11.773	ppbv	74
41) Tetrahydrofuran	6.19	42	1417088	11.559	ppbv	98
42) Bromodichloromethane	7.97	83	2359110	9.674	ppbv	99
43) Methyl Methacrylate	8.19	69	1347573	11.010	ppbv	94

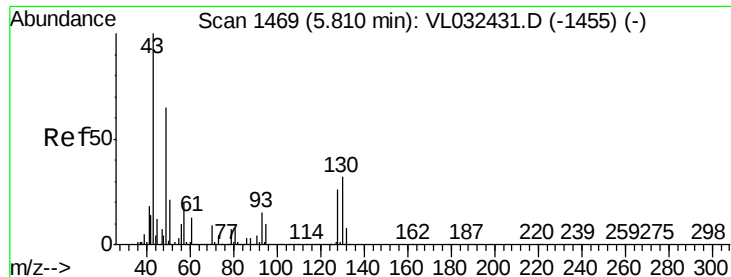
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL083118\
 Data File : VL032451.D
 Acq On : 31 Aug 2018 22:16
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 VSTDCCC010EC

Quant Time: Sep 01 02:03:53 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)
44) 2,2,4-Trimethylpentane	8.04	57	5542980	9.937	ppbv	99
45) t-1,3-Dichloropropene	9.47	75	1550509	11.838	ppbv	96
46) cis-1,3-Dichloropropene	8.89	75	2000898	11.955	ppbv	98
47) 1,1,2-Trichloroethane	9.67	97	1262826	9.622	ppbv	96
48) Dibromochloromethane	10.51	129	1781199	9.799	ppbv	100
49) Bromoform	13.26	173	1510122	9.558	ppbv	100
50) 4-Methyl-2-Pentanone	8.92	43	3455404	10.186	ppbv	99
51) 2-Hexanone	10.32	43	2524042	11.551	ppbv #	99
52) Tetrachloroethene	11.43	164	910785	10.181	ppbv	96
53) Toluene	10.00	91	3318837	11.005	ppbv	99
54) 1,2-Dibromoethane	10.81	107	1914110	10.863	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.33	131	1291030	7.031	ppbv	97
57) Chlorobenzene	12.36	112	2407449	7.396	ppbv	97
58) Ethyl Benzene	12.92	91	4483984	9.199	ppbv	100
59) m/p-Xylene	13.20	91	3305352	7.606	ppbv #	17
60) o-Xylene	13.91	91	3366362	7.886	ppbv	98
61) Styrene	13.74	104	2805684	10.153	ppbv	97
62) Isopropylbenzene	14.88	105	4910004	8.182	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.89	83	2444144	6.404	ppbv	99
64) n-propylbenzene	15.78	120	1306797	8.330	ppbv	99
65) tert-Butylbenzene	16.96	119	4136121	7.999	ppbv	97
66) Benzyl Chloride	17.21	91	2810183	9.756	ppbv	98
67) sec-Butylbenzene	17.51	105	6218972	7.997	ppbv	99
69) p-Isopropyltoluene	17.87	119	4978303	8.260	ppbv	98
70) n-Butylbenzene	18.76	91	5386912	7.885	ppbv	99
71) 2-Chlorotoluene	15.67	91	3896091	8.499	ppbv	100
72) 4-Ethyltoluene	16.05	105	4164239	8.936	ppbv	99
73) 1,3,5-Trimethylbenzene	16.21	105	3913381	8.381	ppbv	100
74) 1,2,4-Trimethylbenzene	16.98	105	3839679	7.522	ppbv	92
75) 1,3-Dichlorobenzene	17.22	146	2162937	7.141	ppbv	99
76) 1,4-Dichlorobenzene	17.36	146	2225130	7.918	ppbv	100
77) 1,2-Dichlorobenzene	18.04	146	2193319	7.506	ppbv	99
78) Hexachloro-1,3-Butadiene	23.59	225	707005	6.475	ppbv	99
79) Naphthalene	22.47	128	3854938	9.287	ppbv	98
80) Naphthalene,2-methyl-	25.15	142	1740291	15.757	ppbv	99
81) 1,2,4-Trichlorobenzene	22.20	180	1767953	8.457	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.81 min Scan# 1468

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

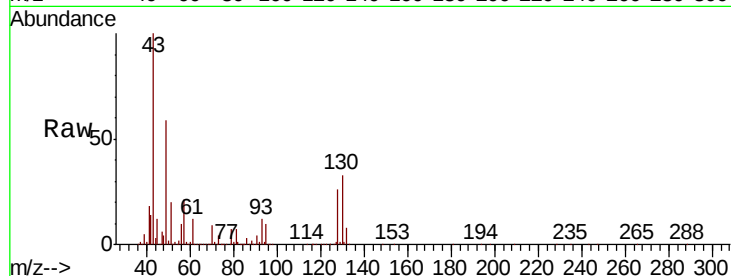
Tgt Ion: 49 Resp: 1485494

Ion Ratio Lower Upper

49 100

128 44.5 20.7 62.1

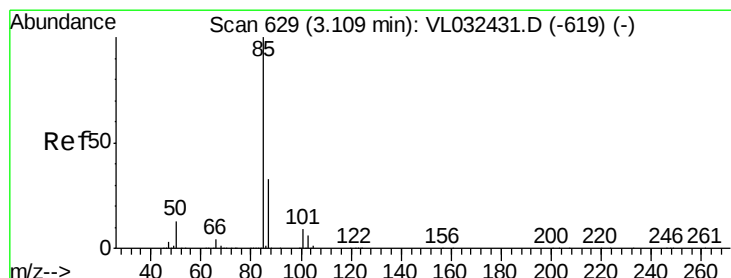
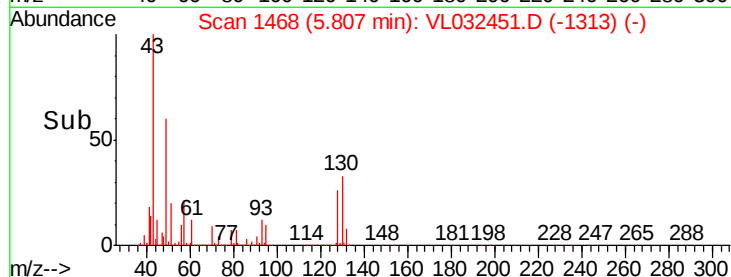
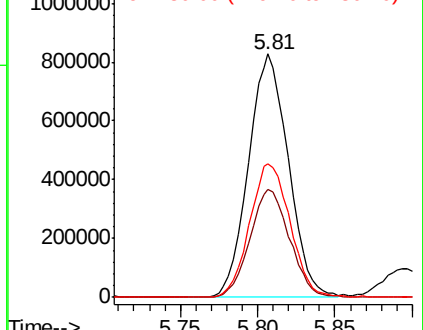
130 56.0 26.6 79.7



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: 6.570 ppbv

RT: 3.11 min Scan# 628

Delta R.T. -0.00 min

Lab File: VL032451.D

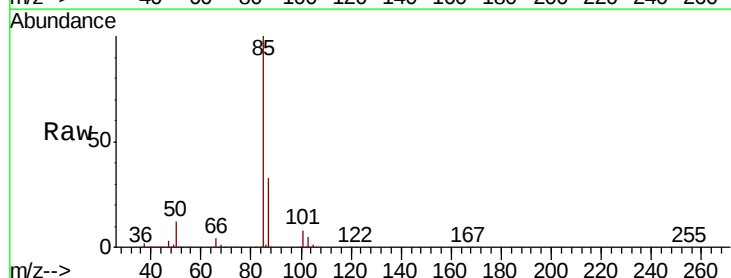
Acq: 31 Aug 2018 22:16

Tgt Ion: 85 Resp: 1248434

Ion Ratio Lower Upper

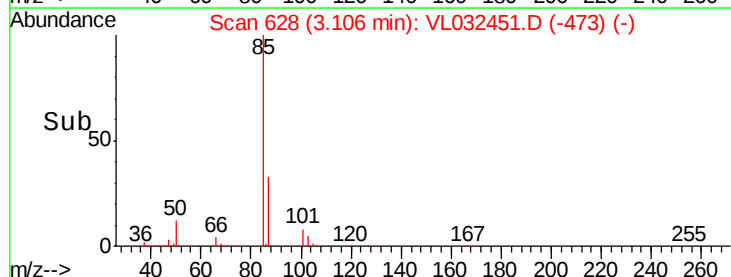
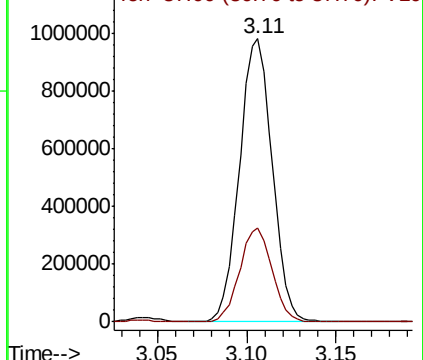
85 100

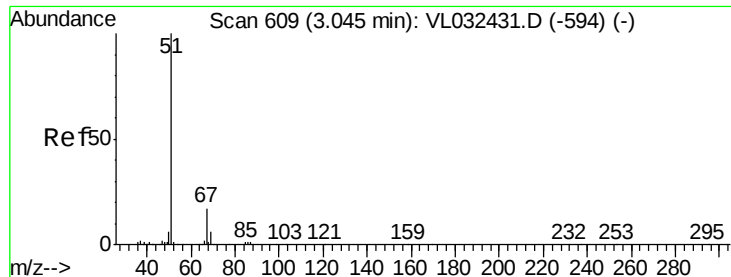
87 33.1 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.795 ppbv

RT: 3.04 min Scan# 608

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

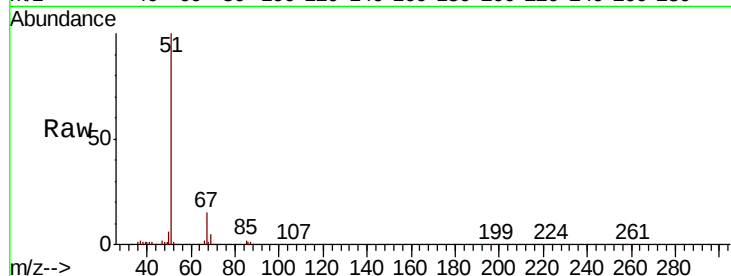
VSTDCCC010EC

Tgt Ion: 51 Resp: 1317069

Ion Ratio Lower Upper

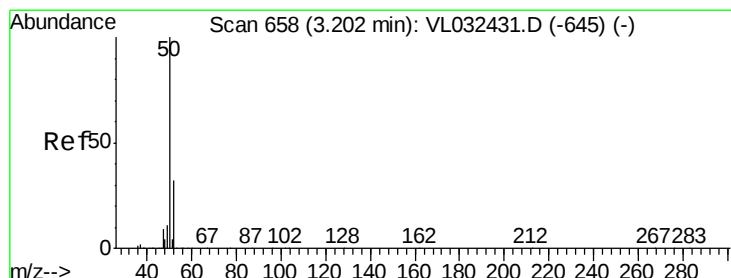
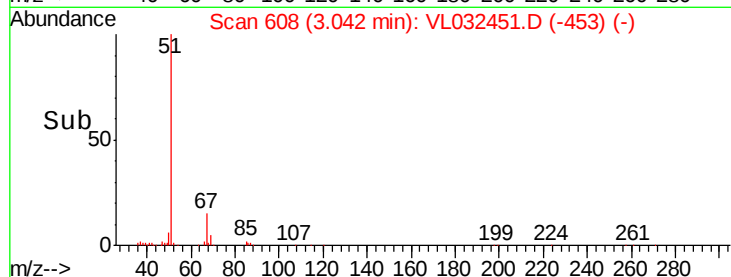
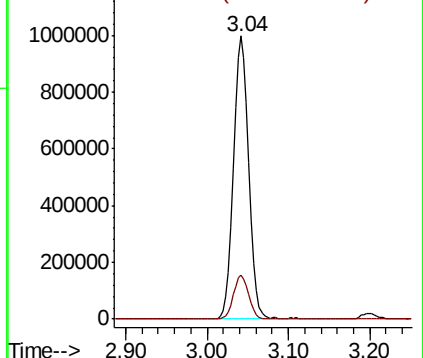
51 100

67 15.6 13.8 20.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.675 ppbv

RT: 3.20 min Scan# 657

Delta R.T. -0.00 min

Lab File: VL032451.D

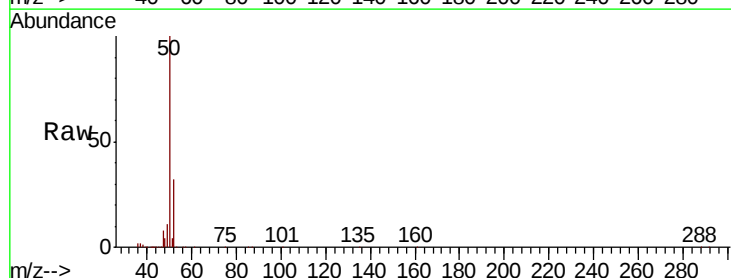
Acq: 31 Aug 2018 22:16

Tgt Ion: 50 Resp: 787756

Ion Ratio Lower Upper

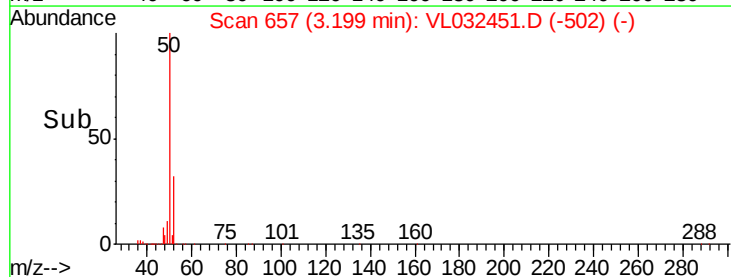
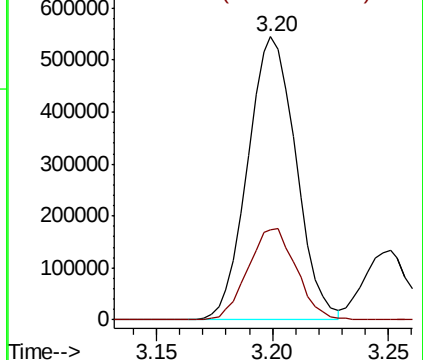
50 100

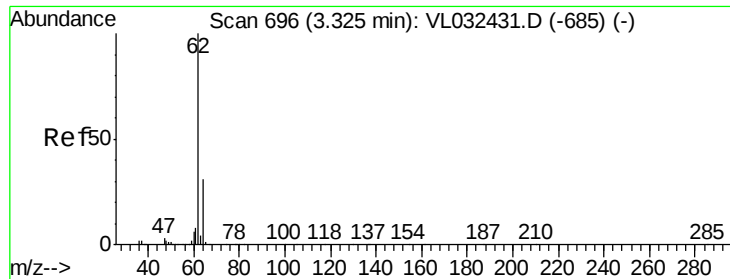
52 32.0 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.263 ppbv

RT: 3.32 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

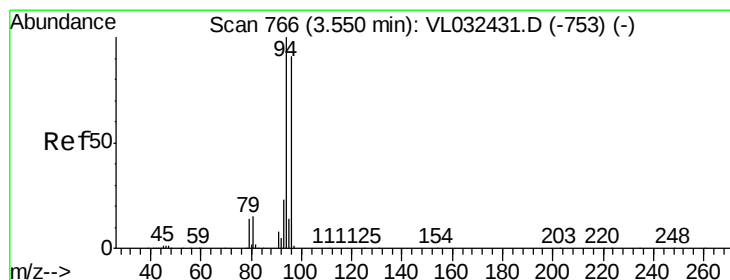
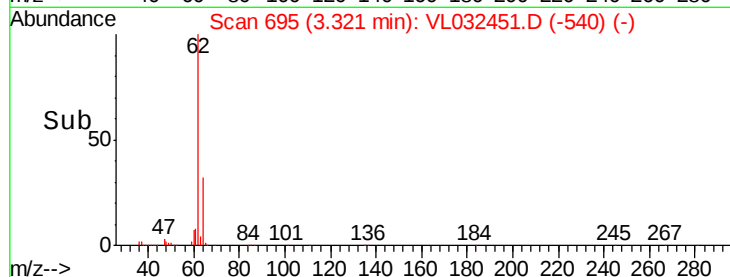
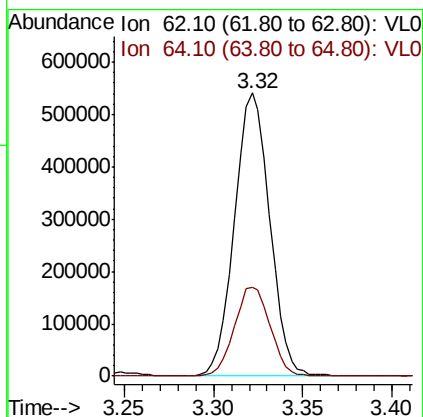
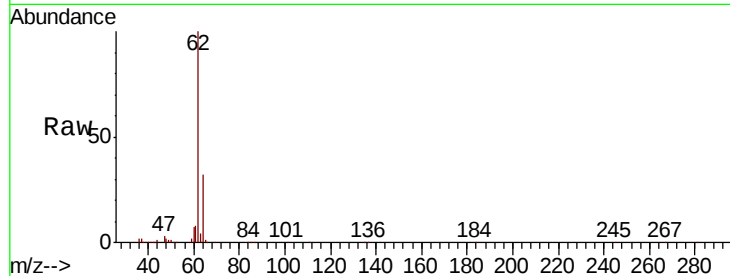
VSTDCCC010EC

Tgt Ion: 62 Resp: 744405

Ion Ratio Lower Upper

62 100

64 31.5 25.0 37.6



#6

Bromomethane

Concen: 9.871 ppbv

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VL032451.D

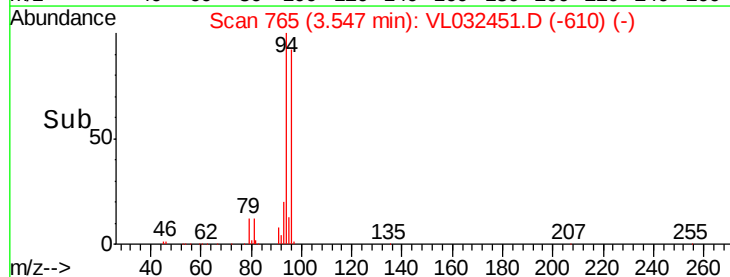
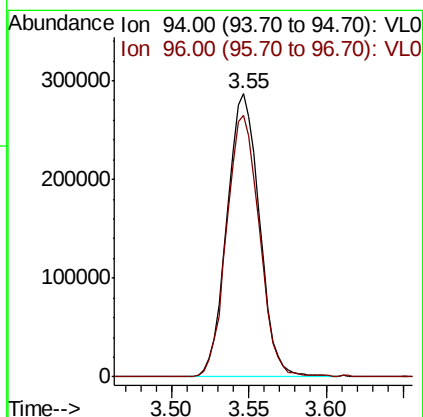
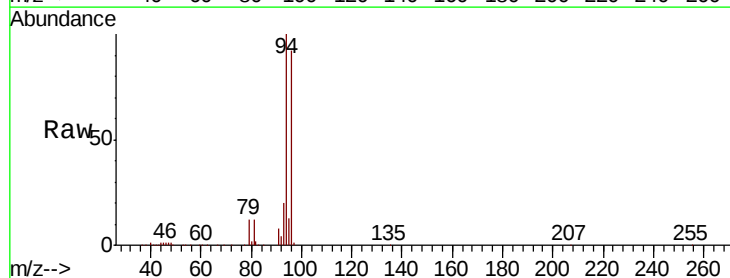
Acq: 31 Aug 2018 22:16

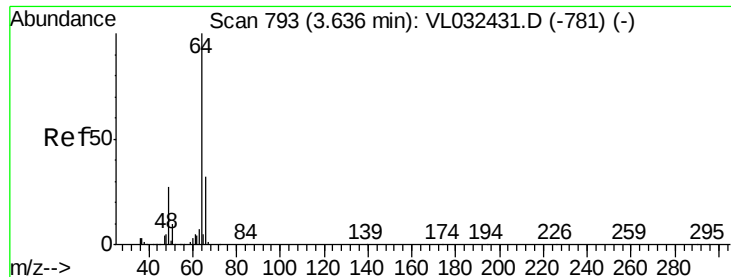
Tgt Ion: 94 Resp: 416424

Ion Ratio Lower Upper

94 100

96 92.2 72.8 109.2





#7

Chloroethane

Concen: 9.433 ppbv

RT: 3.63 min Scan# 792

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

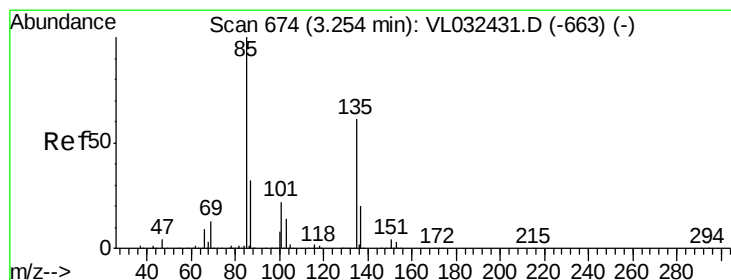
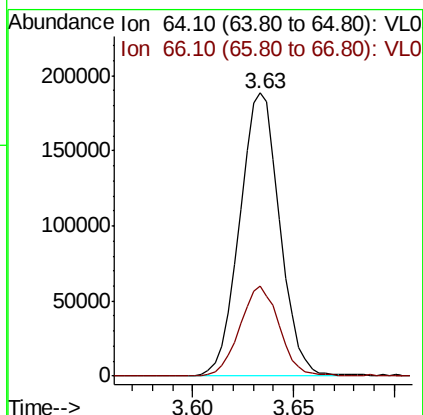
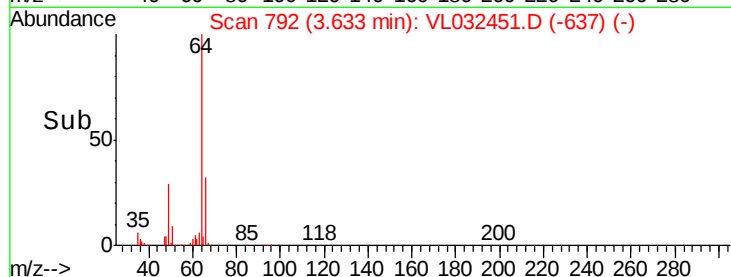
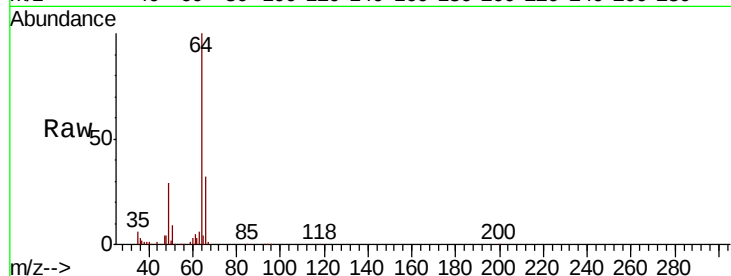
VSTDCCC010EC

Tgt Ion: 64 Resp: 262387

Ion Ratio Lower Upper

64 100

66 32.0 25.8 38.6



#8

Dichlorotetrafluoroethane

Concen: 9.136 ppbv

RT: 3.25 min Scan# 673

Delta R.T. -0.00 min

Lab File: VL032451.D

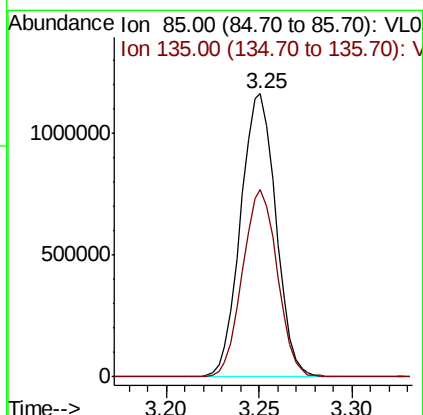
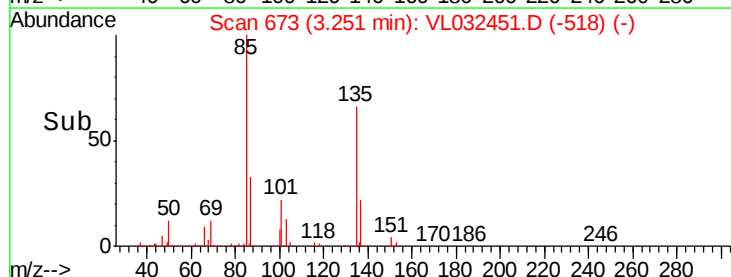
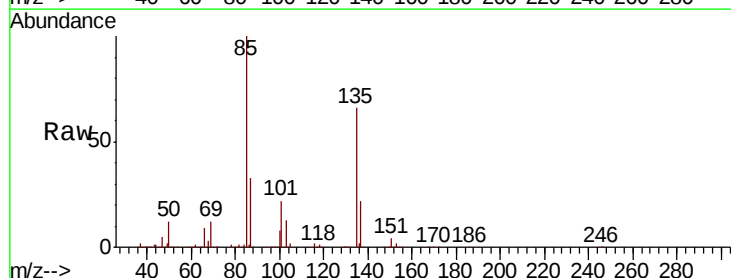
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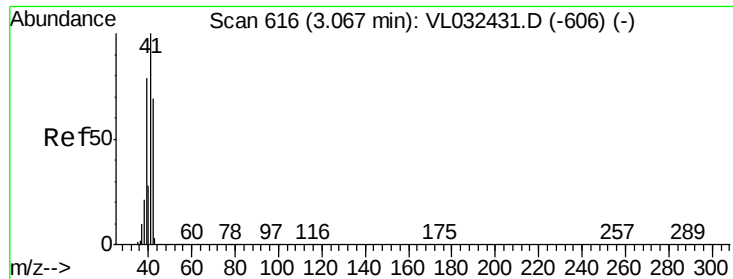
Tgt Ion: 85 Resp: 1540690

Ion Ratio Lower Upper

85 100

135 65.8 48.6 72.8





#9

Propene

Concen: 13.064 ppbv

RT: 3.06 min Scan# 615

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

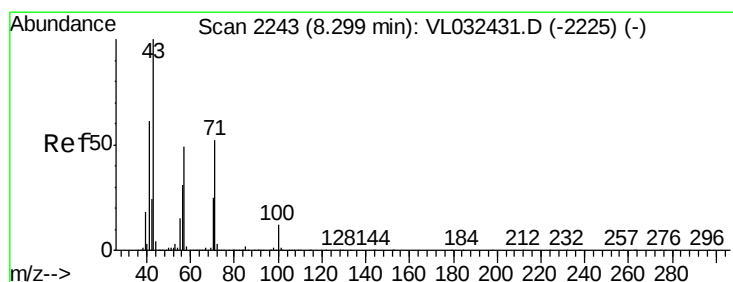
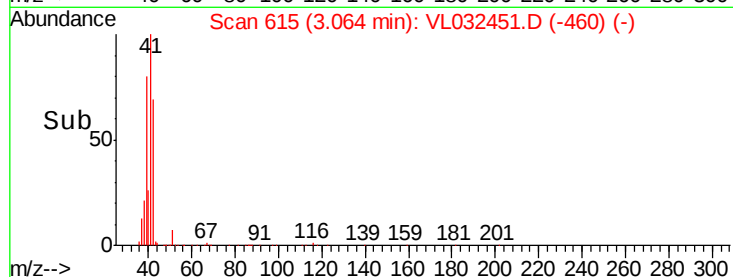
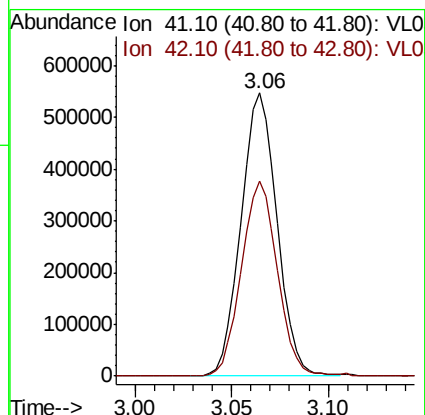
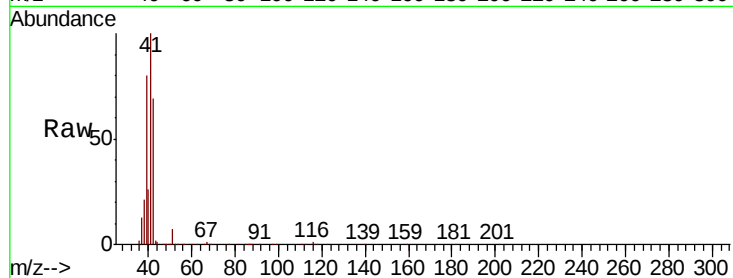
VSTDCCC010EC

Tgt Ion: 41 Resp: 708612

Ion Ratio Lower Upper

41 100

42 69.5 56.6 84.8



#10

Heptane

Concen: 11.534 ppbv

RT: 8.30 min Scan# 2243

Delta R.T. 0.00 min

Lab File: VL032451.D

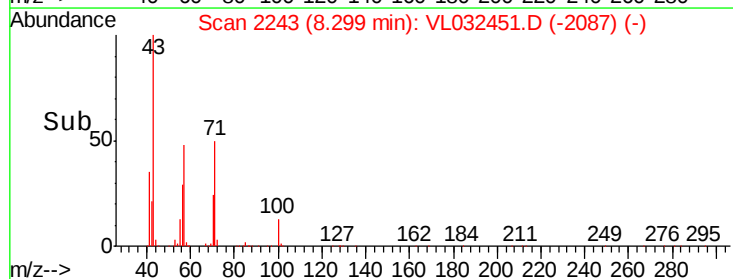
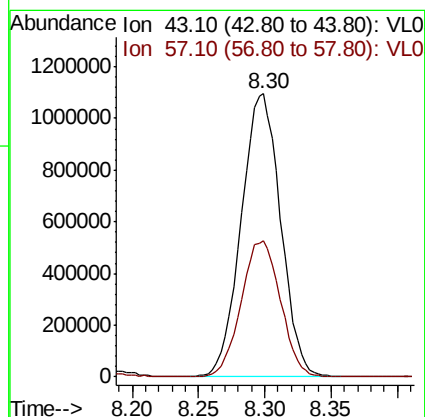
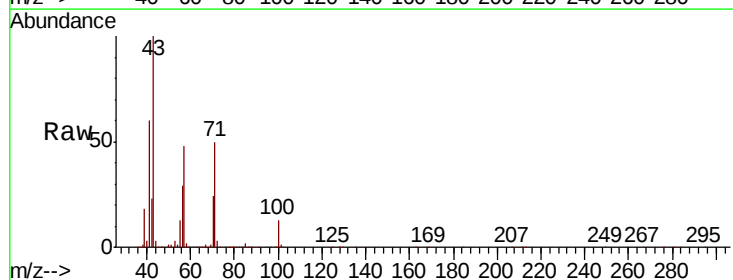
Acq: 31 Aug 2018 22:16

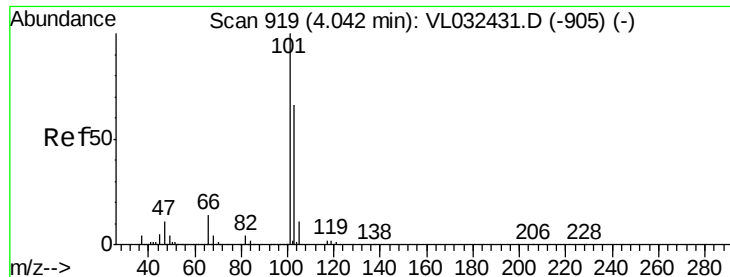
Tgt Ion: 43 Resp: 2244494

Ion Ratio Lower Upper

43 100

57 48.3 39.6 59.4

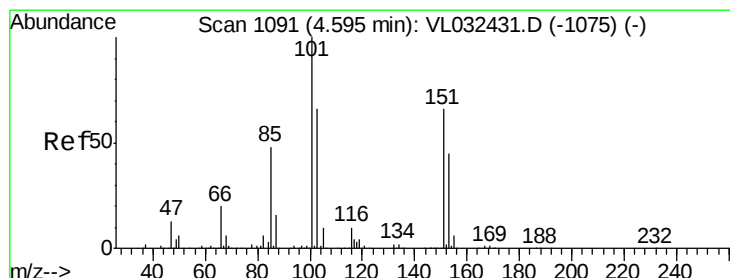
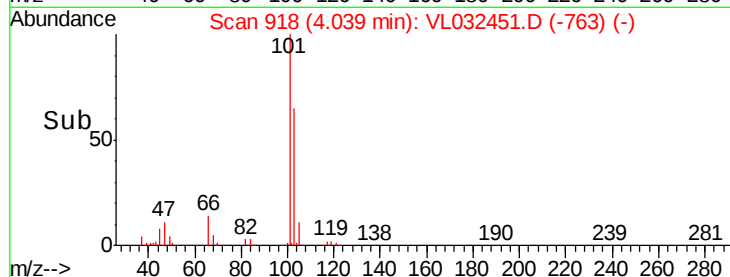
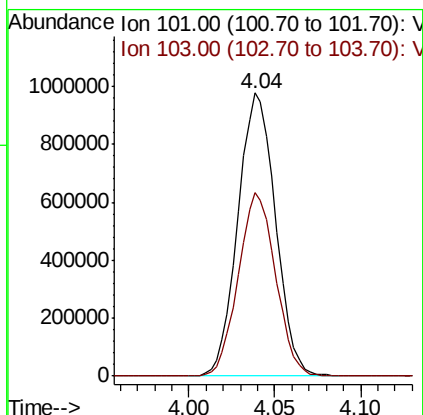
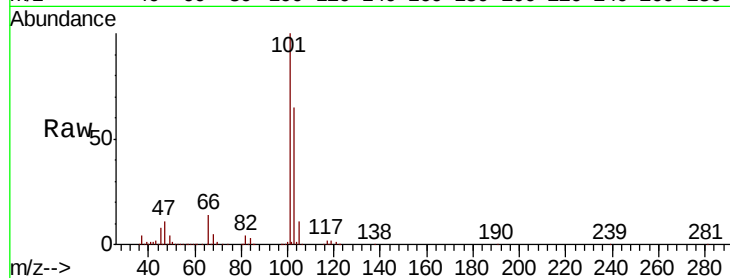




#11
 Trichlorofluoromethane
 Concen: 8.657 ppbv
 RT: 4.04 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

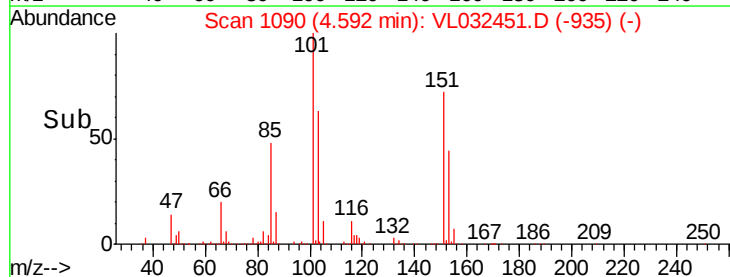
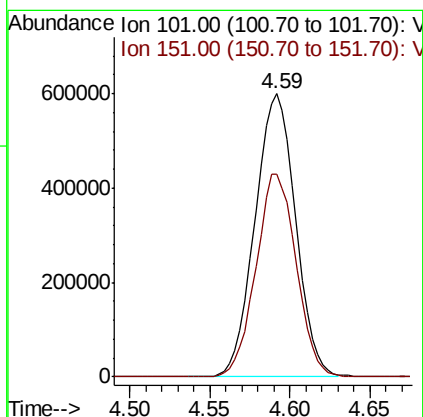
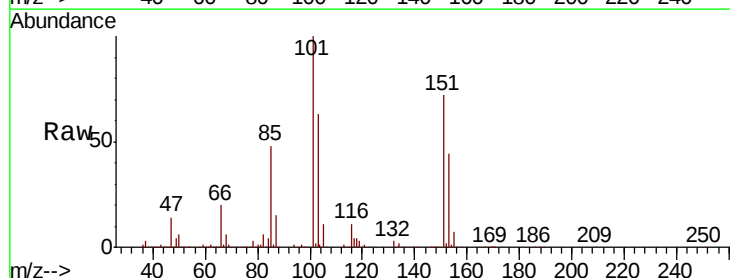
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

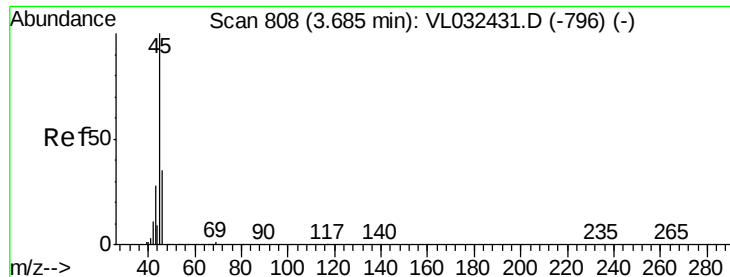
Tgt Ion:101 Resp: 1483214
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.8 79.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.023 ppbv
 RT: 4.59 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion:101 Resp: 1047604
 Ion Ratio Lower Upper
 101 100
 151 71.3 52.6 78.8





#13

Ethanol

Concen: 10.410 ppbv

RT: 3.68 min Scan# 808

Delta R.T. 0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

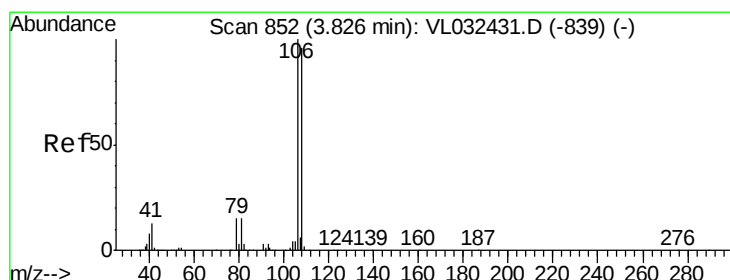
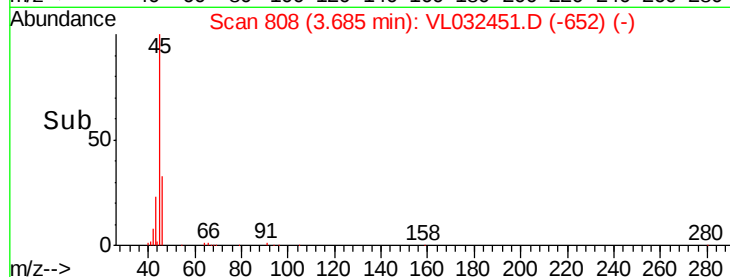
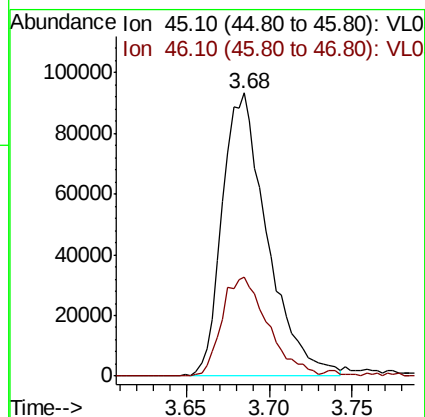
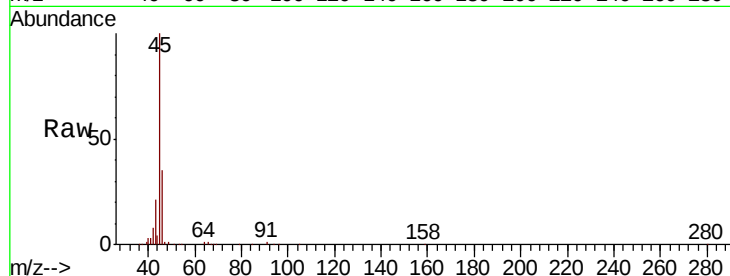
VSTDCCC010EC

Tgt Ion: 45 Resp: 176013

Ion Ratio Lower Upper

45 100

46 36.5 14.2 56.8



#14

Bromoethene

Concen: 10.376 ppbv

RT: 3.82 min Scan# 851

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

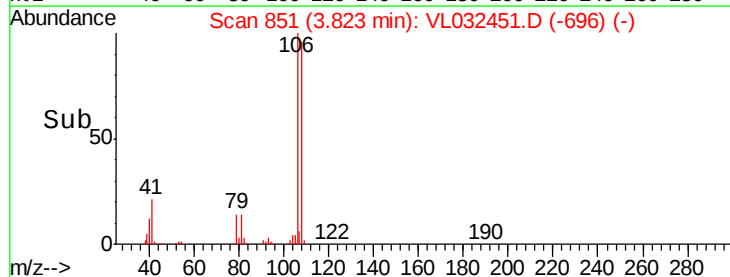
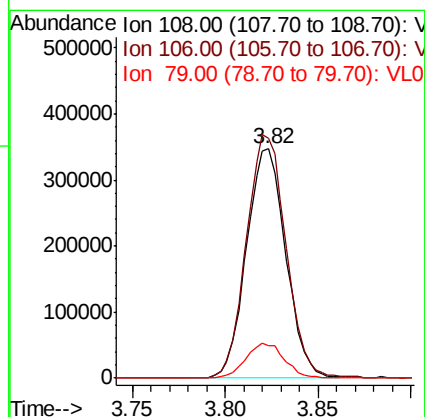
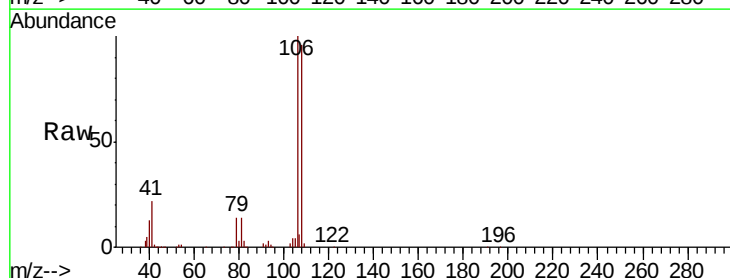
Tgt Ion: 108 Resp: 510375

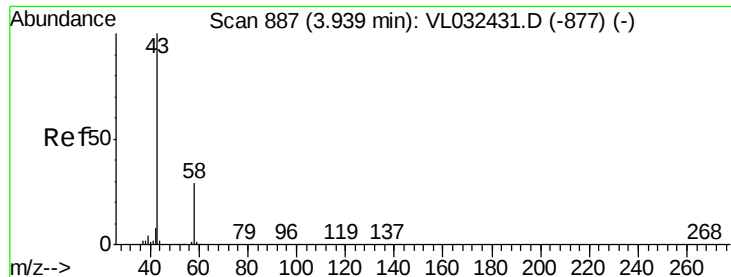
Ion Ratio Lower Upper

108 100

106 107.2 85.5 128.3

79 15.2 13.0 19.6





#15

Acetone

Concen: 9.353 ppbv

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

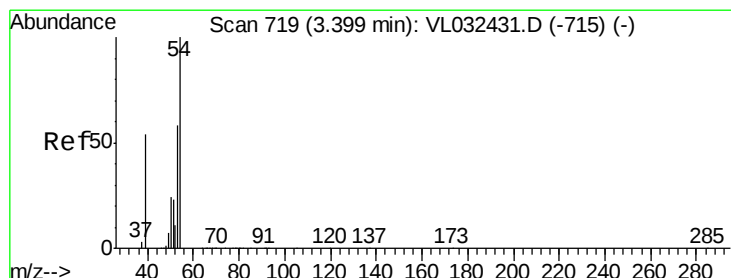
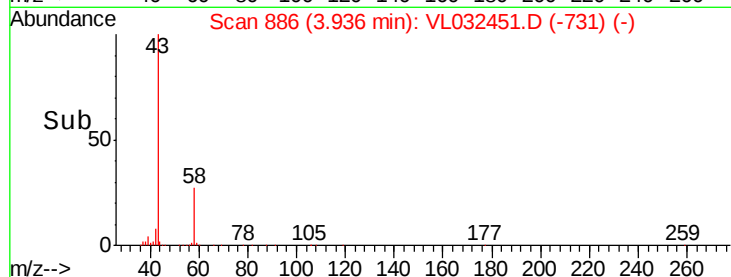
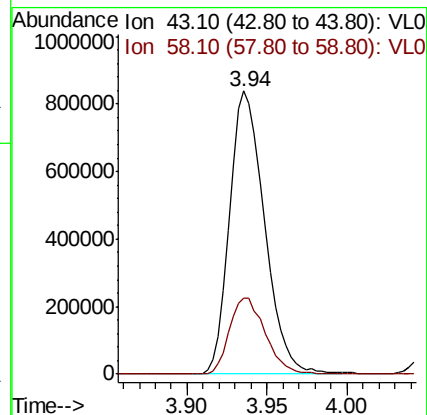
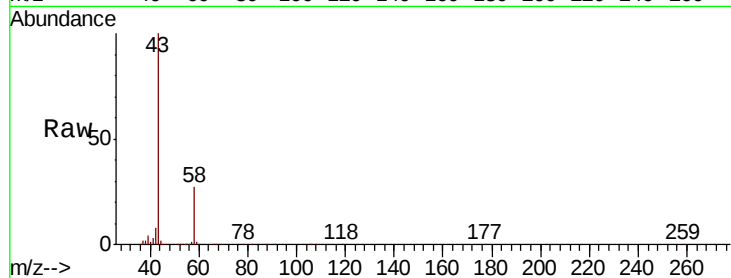
VSTDCCC010EC

Tgt Ion: 43 Resp: 1251128

Ion Ratio Lower Upper

43 100

58 27.7 22.6 33.8



#16

1,3-Butadiene

Concen: 9.777 ppbv

RT: 3.39 min Scan# 717

Delta R.T. -0.01 min

Lab File: VL032451.D

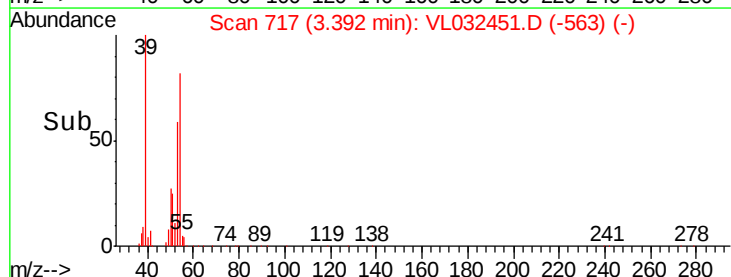
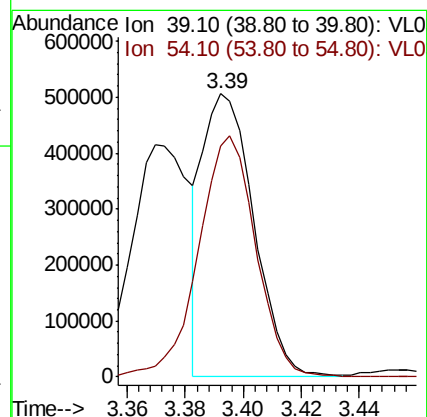
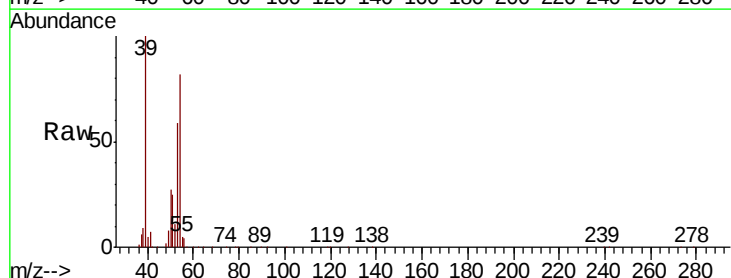
Acq: 31 Aug 2018 22:16

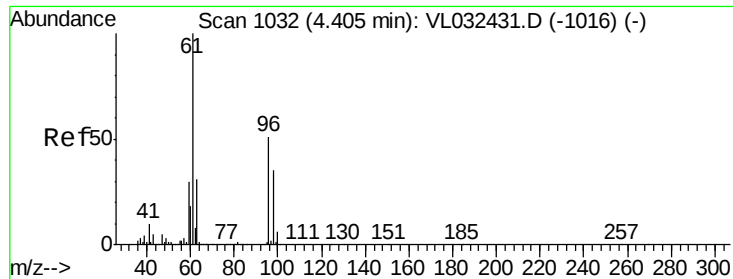
Tgt Ion: 39 Resp: 615443

Ion Ratio Lower Upper

39 100

54 96.7 80.8 121.2

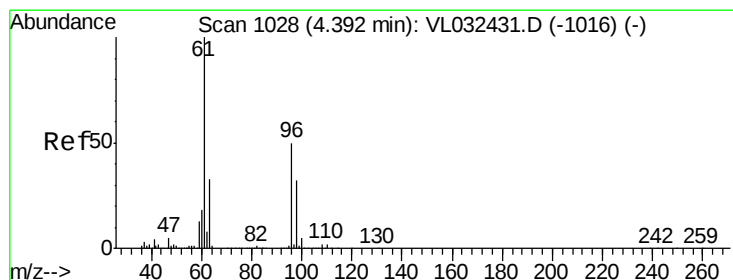
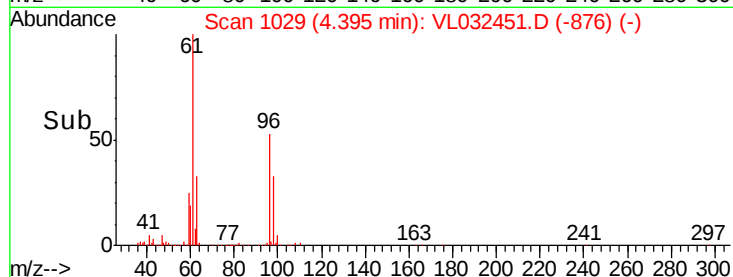
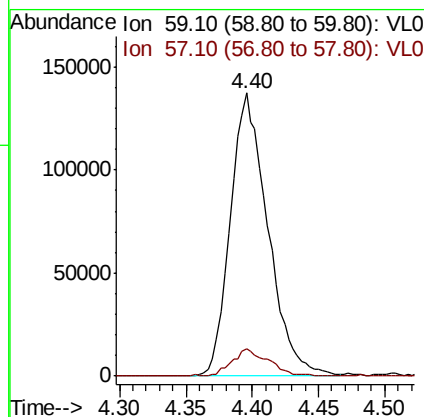
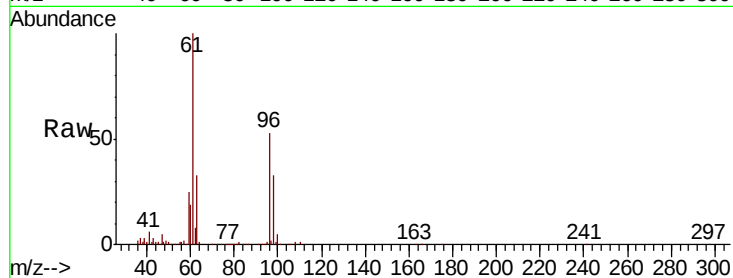




#17
 tert-Butyl alcohol
 Concen: 13.057 ppbv
 RT: 4.40 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

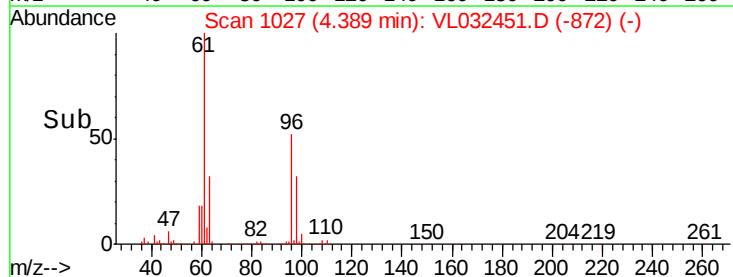
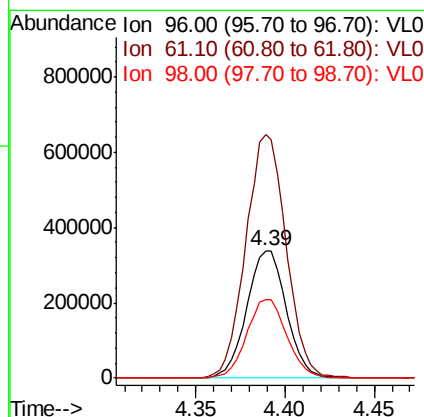
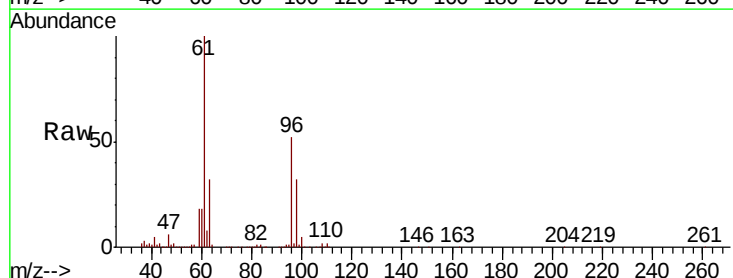
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

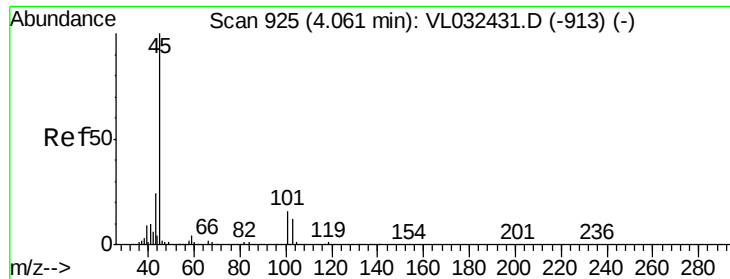
Tgt Ion: 59 Resp: 268795
 Ion Ratio Lower Upper
 59 100
 57 9.7 0.0 0.0#



#18
 1,1-Dichloroethene
 Concen: 9.880 ppbv
 RT: 4.39 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion: 96 Resp: 524222
 Ion Ratio Lower Upper
 96 100
 61 191.4 159.2 238.8
 98 61.9 51.0 76.4





#19

Isopropyl Alcohol

Concen: 11.951 ppbv

RT: 4.06 min Scan# 924

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

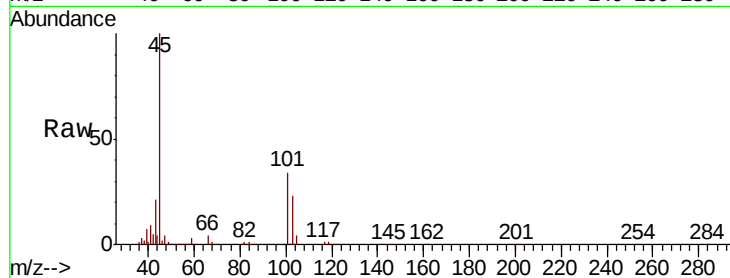
VSTDCCC010EC

Tgt Ion: 45 Resp: 1048760

Ion Ratio Lower Upper

45 100

58 33.1 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.06

600000

500000

400000

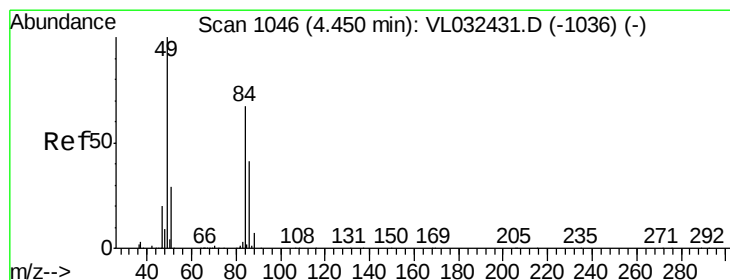
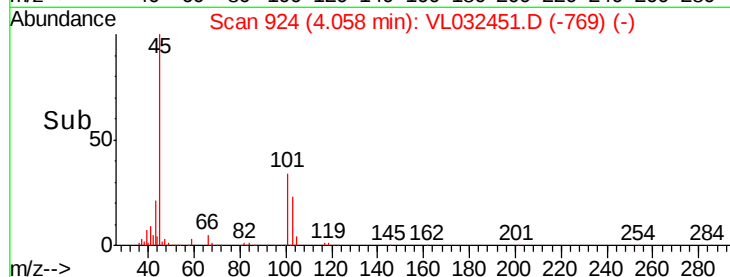
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.938 ppbv

RT: 4.45 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Tgt Ion: 84 Resp: 455886

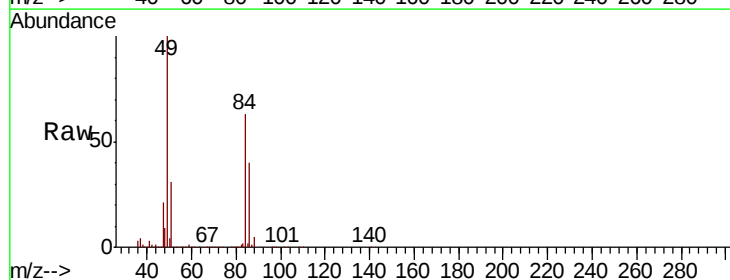
Ion Ratio Lower Upper

84 100

49 158.2 119.1 178.7

51 48.6 35.2 52.8

86 63.4 49.4 74.2



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

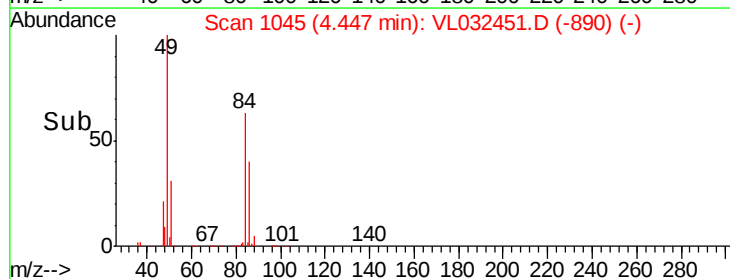
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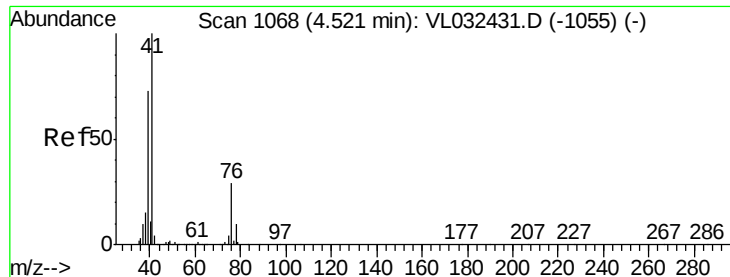
400000

200000

0

Time-->

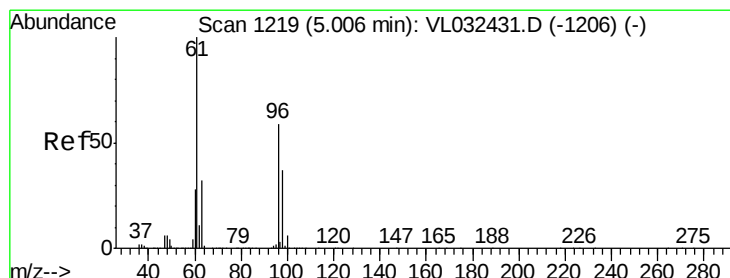
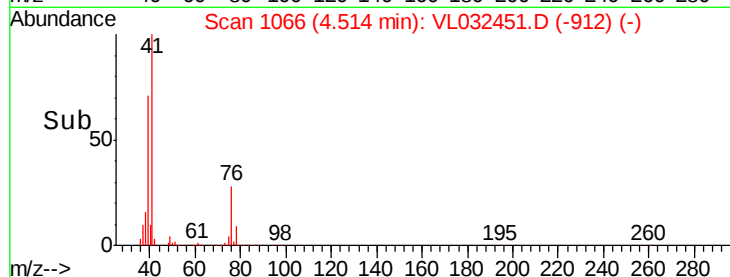
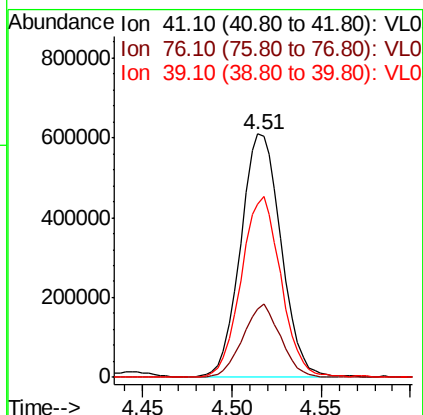
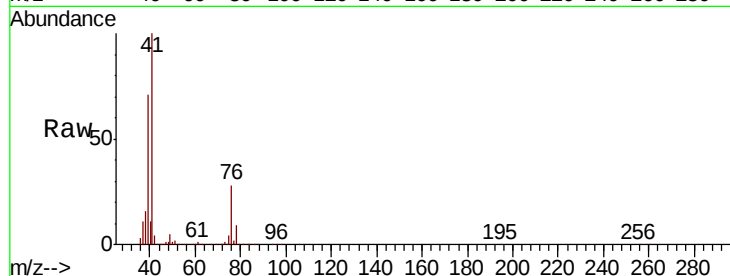




#21
 Allyl Chloride
 Concen: 10.843 ppbv
 RT: 4.51 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

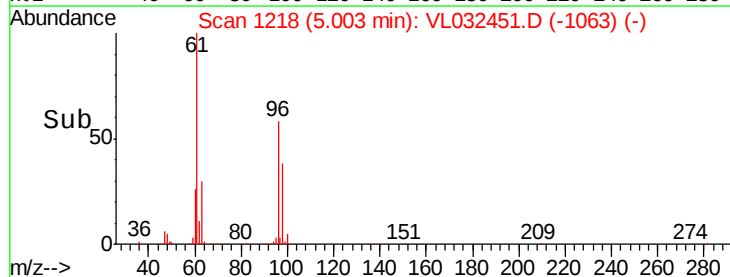
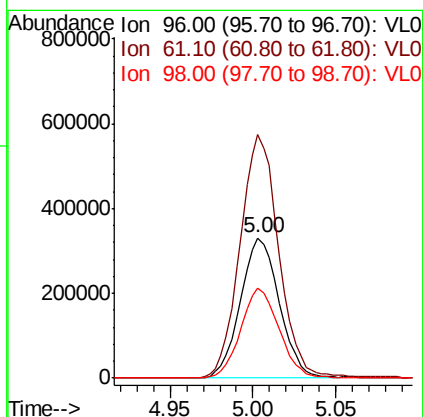
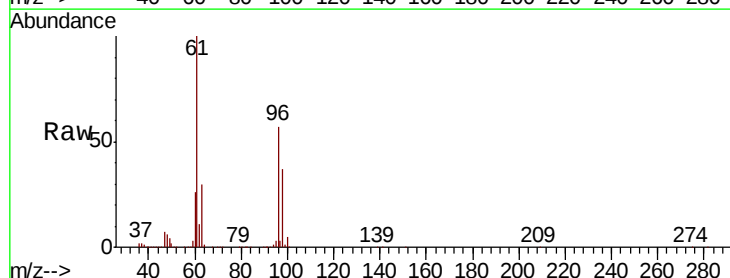
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

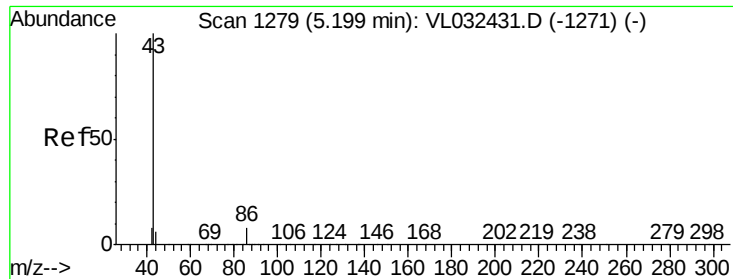
Tgt Ion: 41 Resp: 963363
 Ion Ratio Lower Upper
 41 100
 76 28.4 23.6 35.4
 39 73.1 57.7 86.5



#22
 trans-1,2-Dichloroethene
 Concen: 9.358 ppbv
 RT: 5.00 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion: 96 Resp: 538789
 Ion Ratio Lower Upper
 96 100
 61 173.9 136.2 204.4
 98 64.6 50.4 75.6



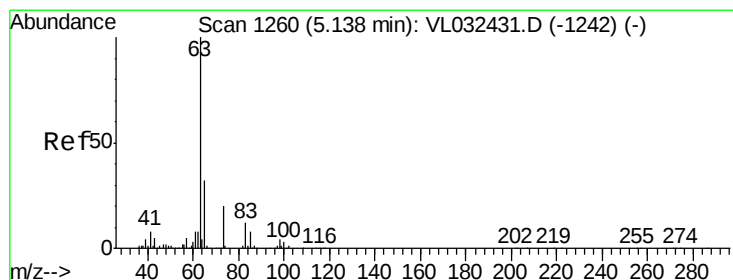
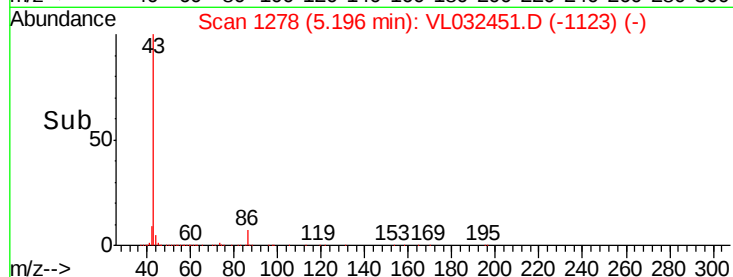
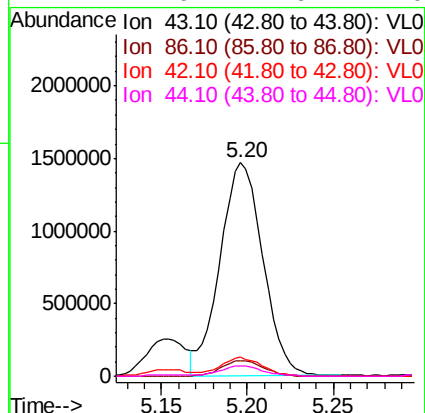
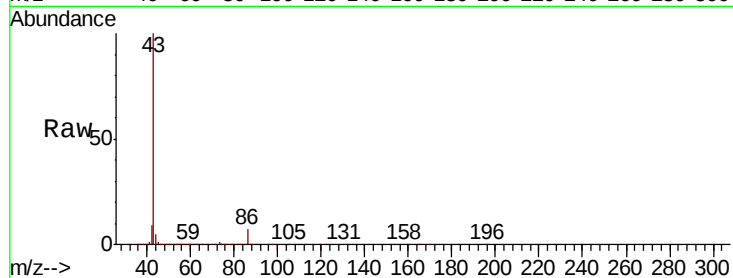


#23
 Vinyl Acetate
 Concen: 11.480 ppbv
 RT: 5.20 min Scan# 1278
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 43 Resp: 2545445

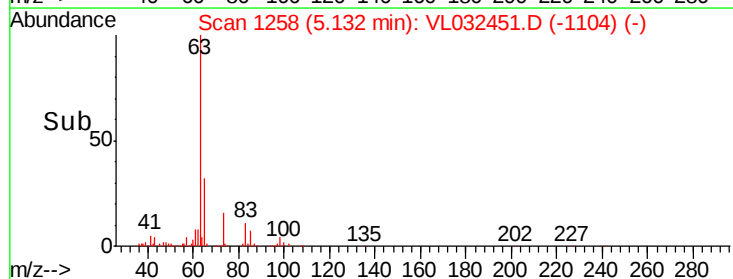
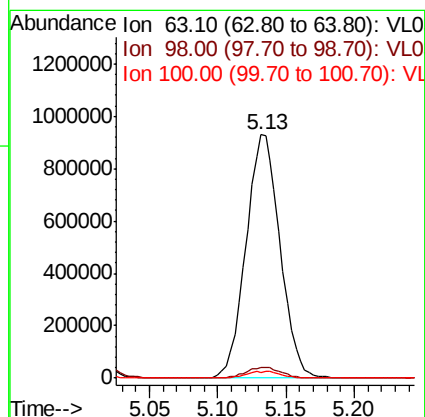
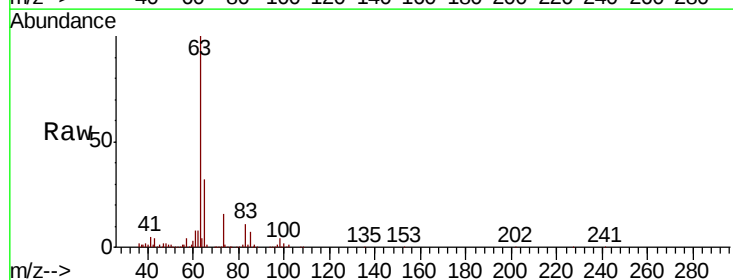
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.9	8.9
42	8.7	6.9	10.3
44	4.9	4.6	7.0

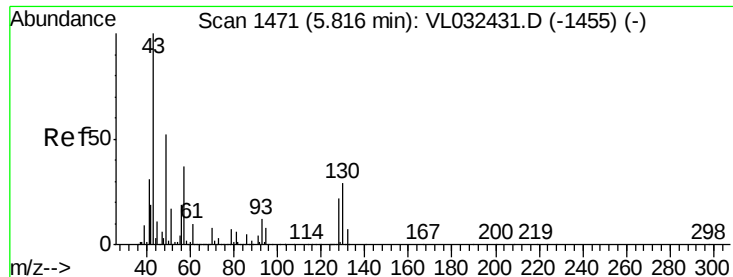


#24
 1,1-Dichloroethane
 Concen: 8.783 ppbv
 RT: 5.13 min Scan# 1258
 Delta R.T. -0.01 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion: 63 Resp: 1604683

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.5
100	2.5	1.5	4.4



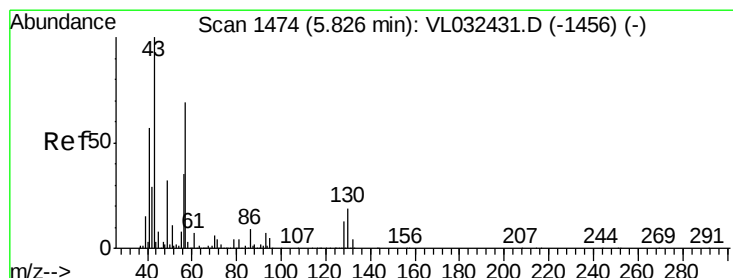
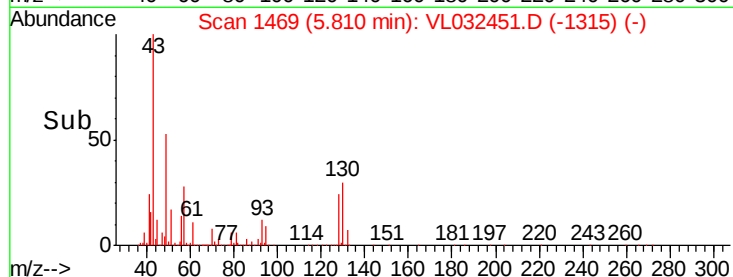
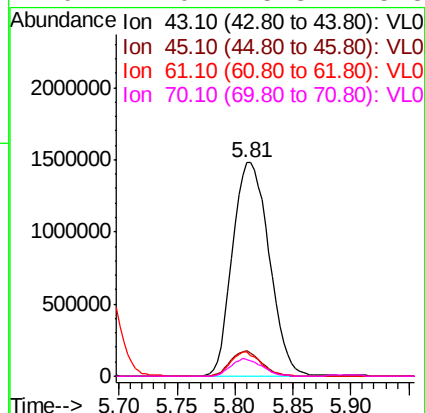
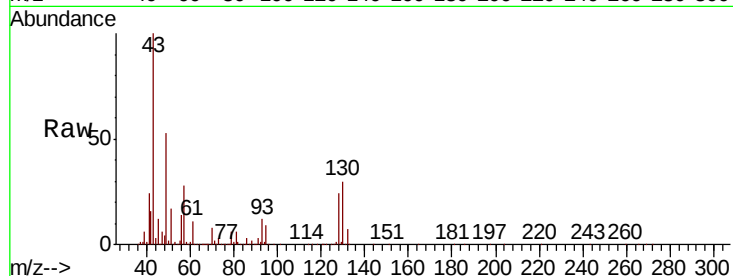


#25
Ethyl Acetate
Concen: 10.287 ppbv
RT: 5.81 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 3249757

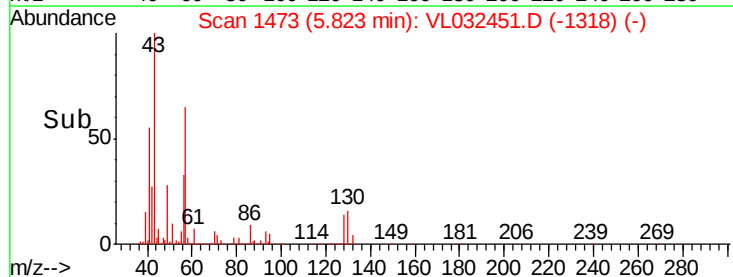
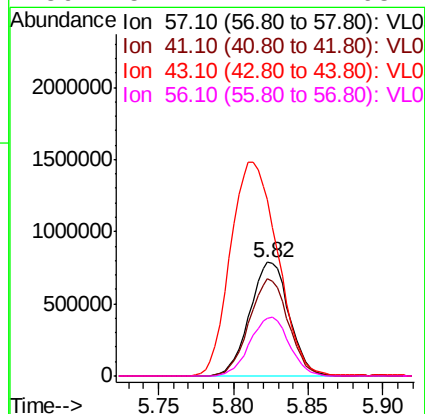
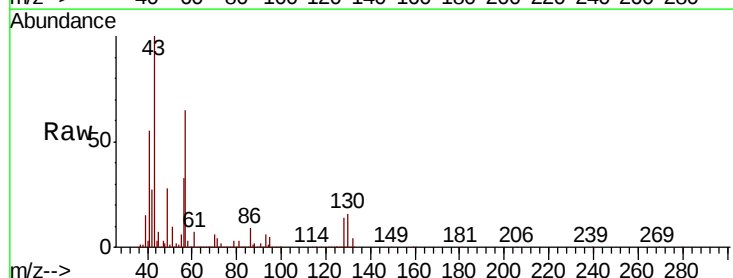
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.3	7.6	11.4
70	7.0	5.8	8.8

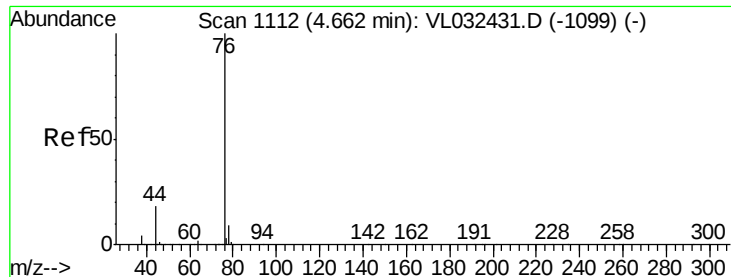


#26
Hexane
Concen: 10.183 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Tgt Ion: 57 Resp: 1440354

Ion	Ratio	Lower	Upper
57	100		
41	85.2	69.0	103.4
43	226.7	172.1	258.1
56	52.1	42.2	63.2

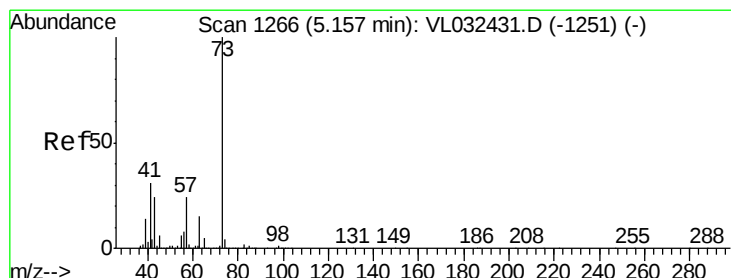
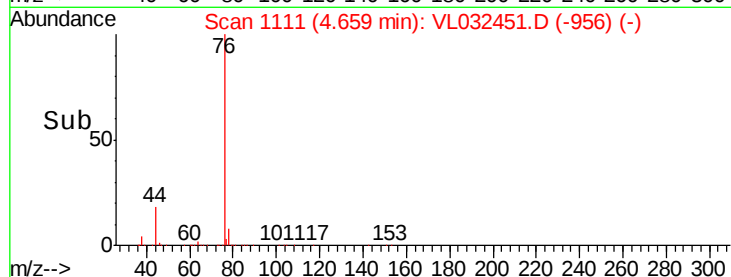
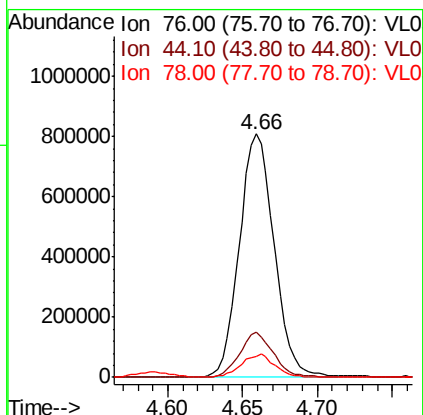
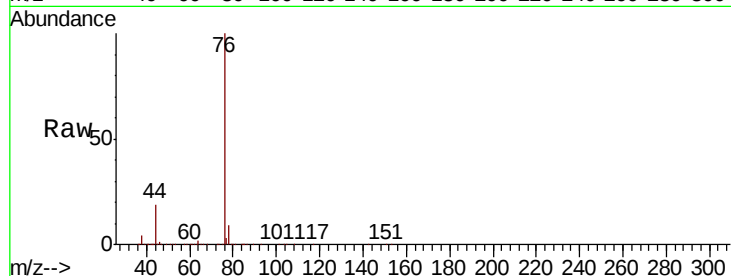




#27
Carbon Disulfide
Concen: 10.018 ppbv
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

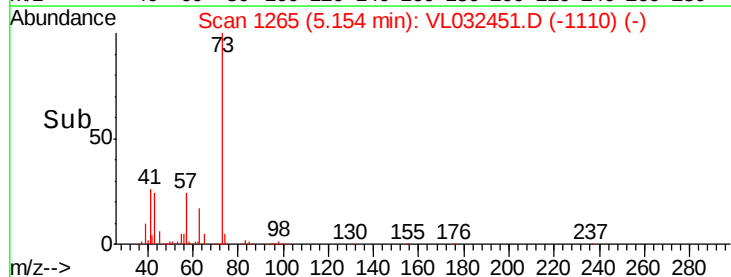
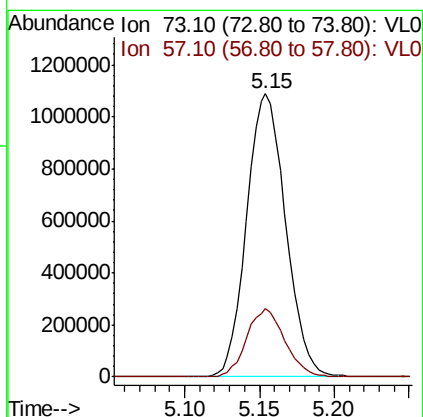
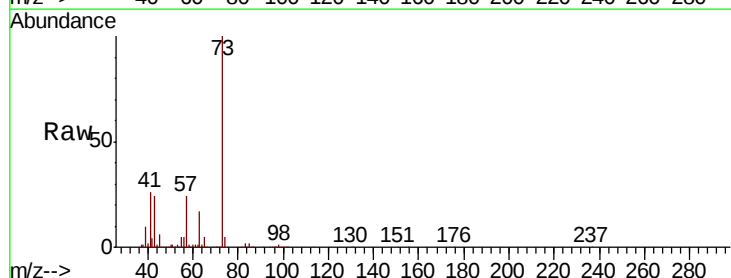
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

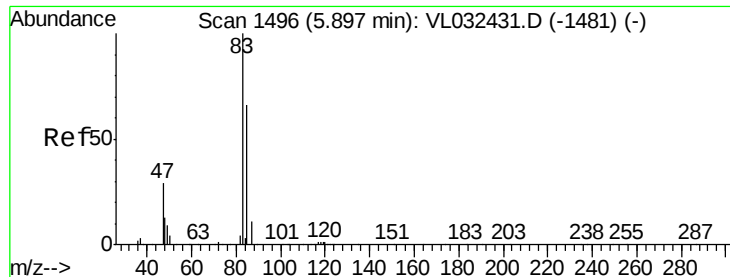
Tgt Ion: 76 Resp: 1308080
Ion Ratio Lower Upper
76 100
44 18.1 14.0 21.0
78 9.1 7.5 11.3



#28
Methyl tert-Butyl Ether
Concen: 11.372 ppbv
RT: 5.15 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Tgt Ion: 73 Resp: 1974997
Ion Ratio Lower Upper
73 100
57 23.7 19.3 28.9





#29

Chloroform

Concen: 9.236 ppbv

RT: 5.89 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

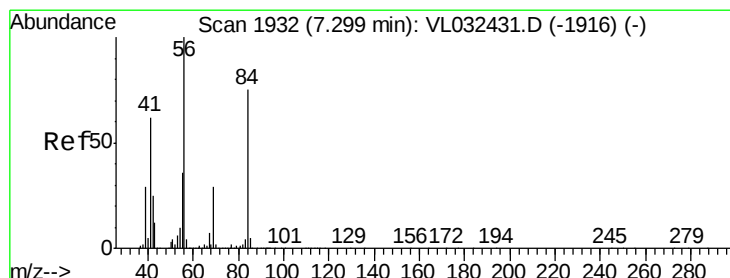
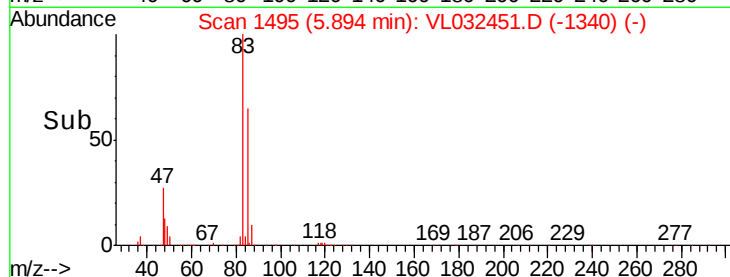
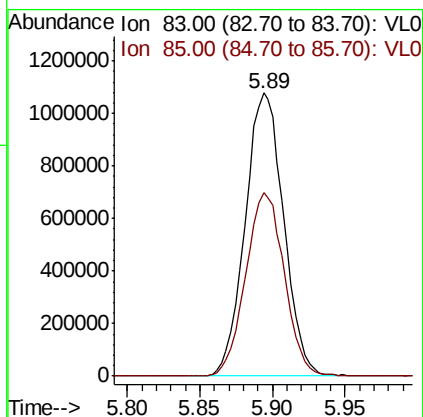
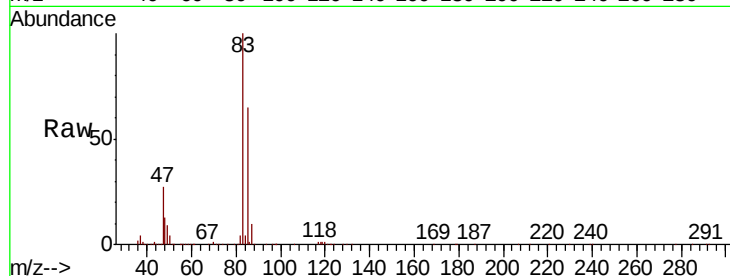
VSTDCCC010EC

Tgt Ion: 83 Resp: 1992040

Ion Ratio Lower Upper

83 100

85 64.8 52.5 78.7



#30

Cyclohexane

Concen: 12.086 ppbv

RT: 7.30 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

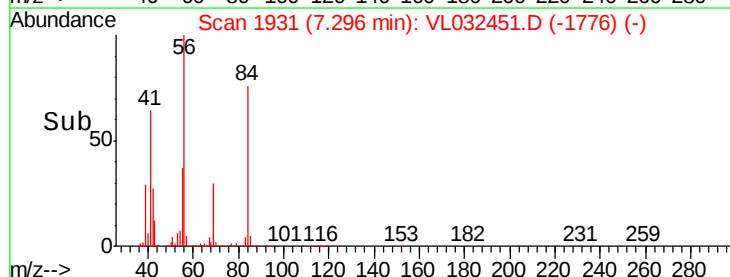
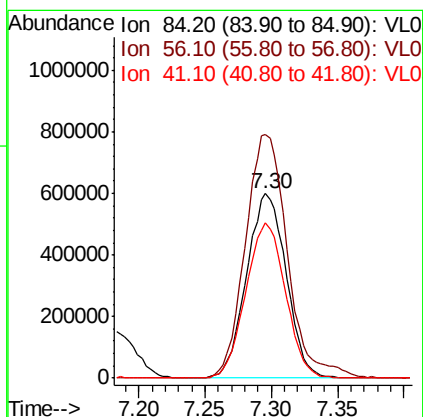
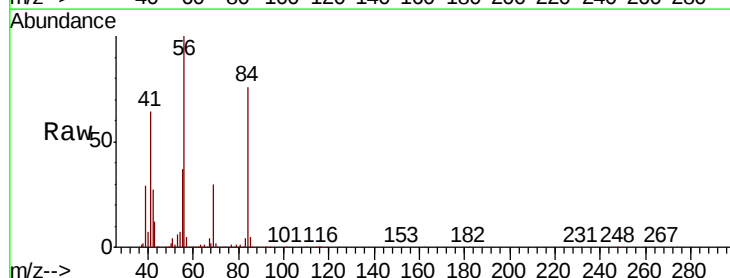
Tgt Ion: 84 Resp: 1251790

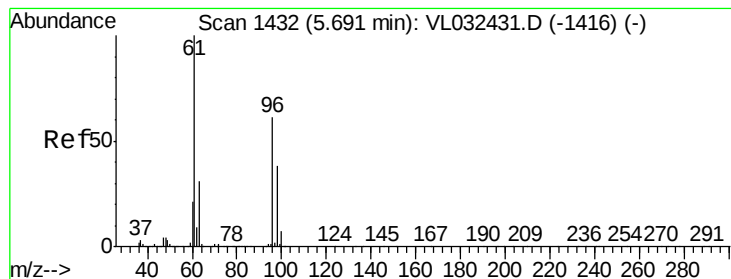
Ion Ratio Lower Upper

84 100

56 140.1 113.5 170.3

41 84.0 68.1 102.1





#31

cis-1,2-Dichloroethene

Concen: 11.550 ppbv

RT: 5.68 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

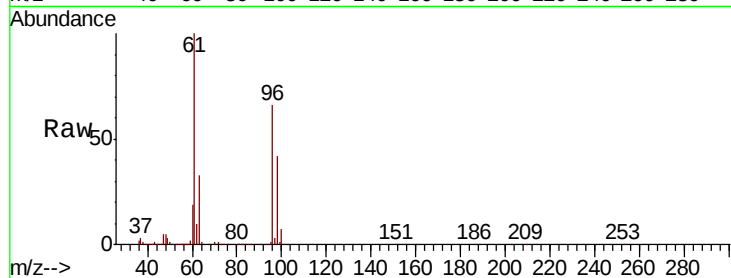
Tgt Ion: 61 Resp: 1479338

Ion Ratio Lower Upper

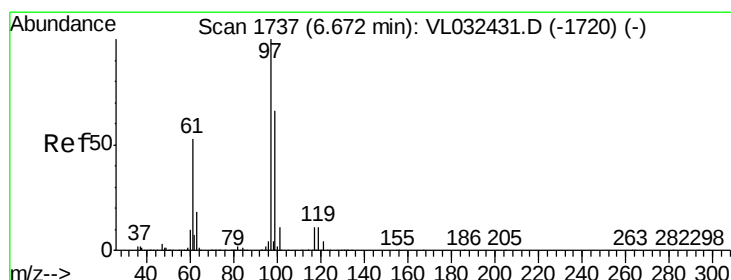
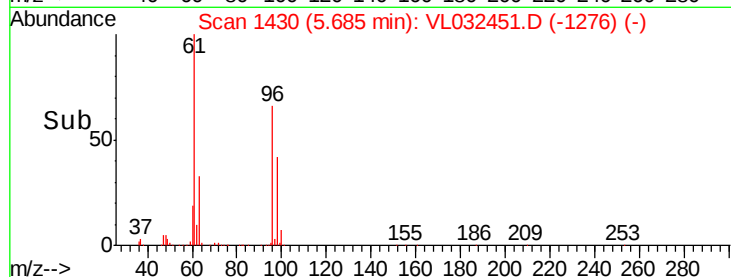
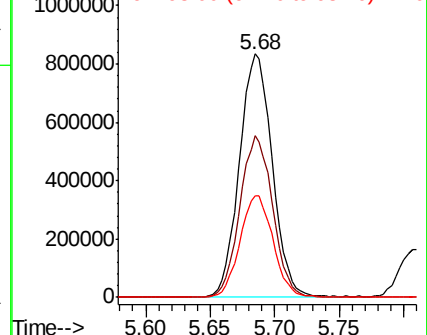
61 100

96 66.2 49.2 73.8

98 41.9 30.7 46.1



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



#32

1,1,1-Trichloroethane

Concen: 9.748 ppbv

RT: 6.67 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

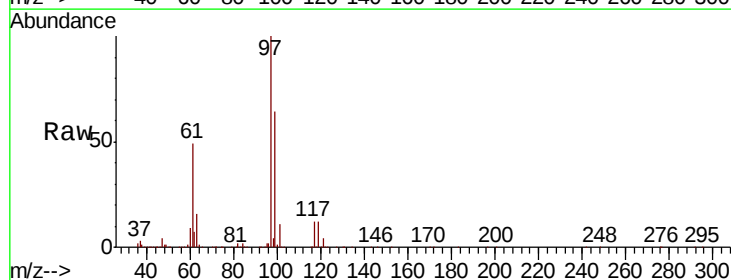
Tgt Ion: 97 Resp: 1959702

Ion Ratio Lower Upper

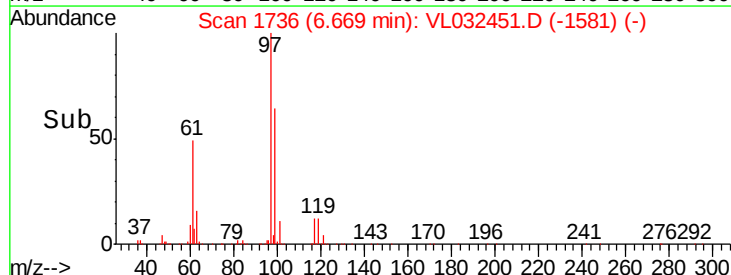
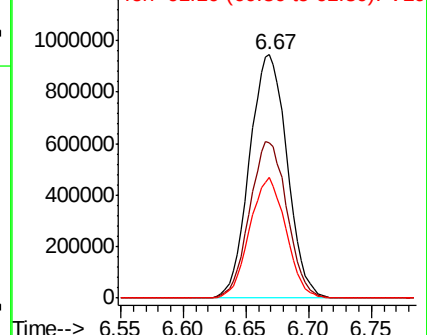
97 100

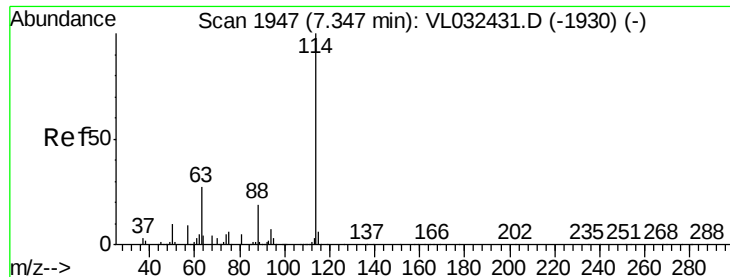
99 64.2 52.1 78.1

61 48.2 42.5 63.7



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

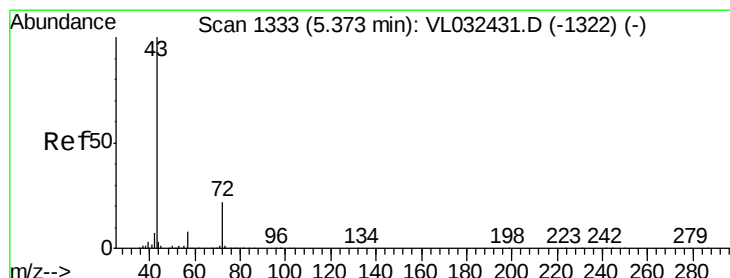
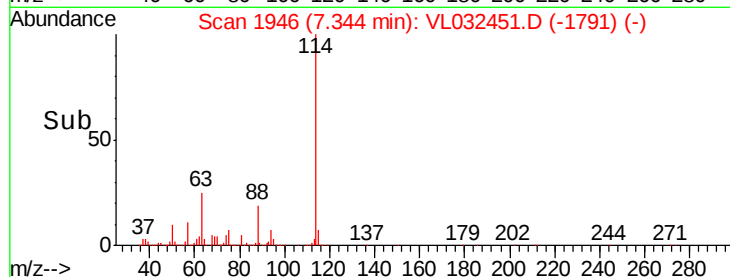
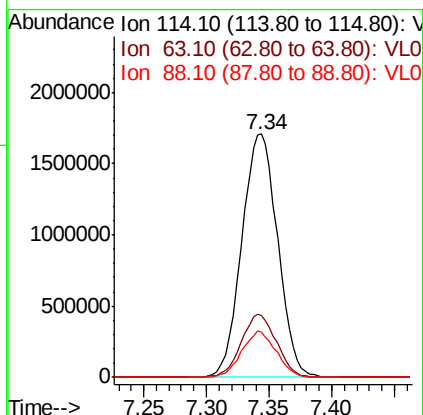
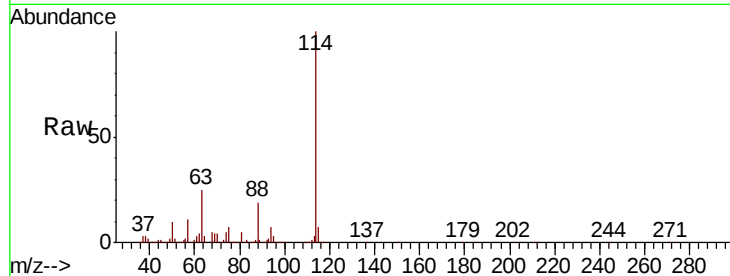




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.34 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

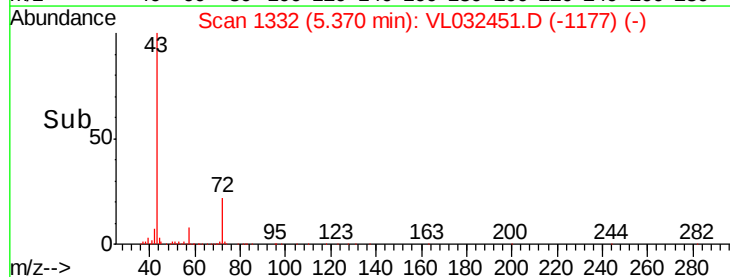
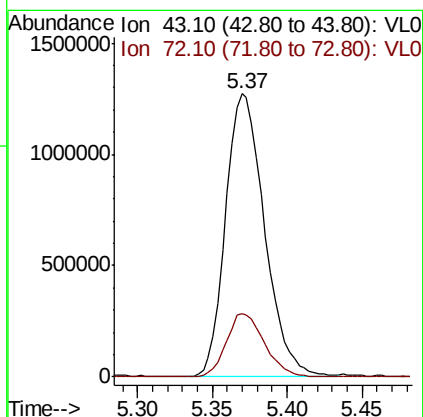
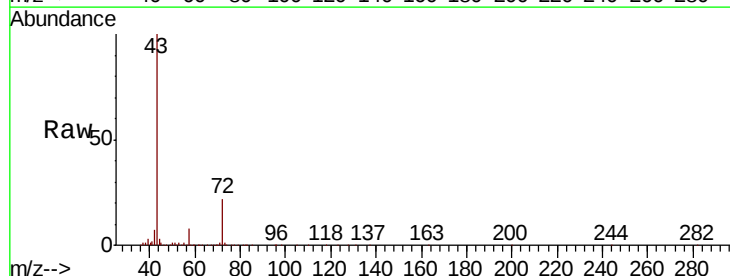
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

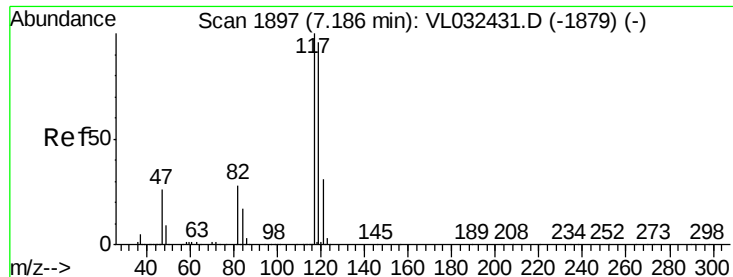
Tgt Ion:114 Resp: 3390262
 Ion Ratio Lower Upper
 114 100
 63 25.6 22.2 33.4
 88 18.3 15.0 22.4



#34
 2-Butanone
 Concen: 10.163 ppbv
 RT: 5.37 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion: 43 Resp: 2288689
 Ion Ratio Lower Upper
 43 100
 72 22.2 17.8 26.6

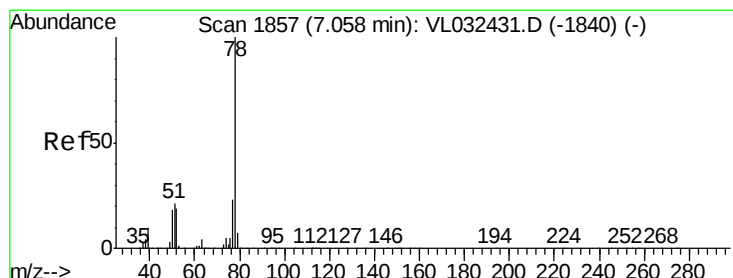
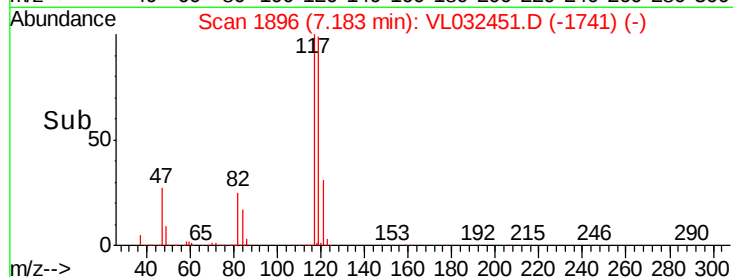
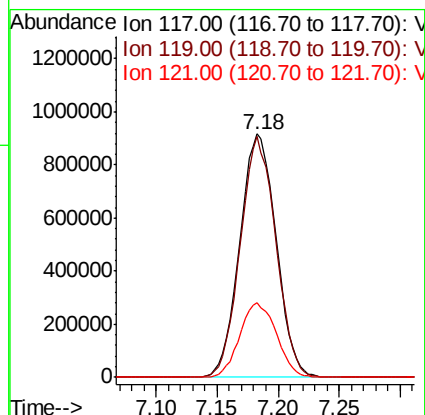
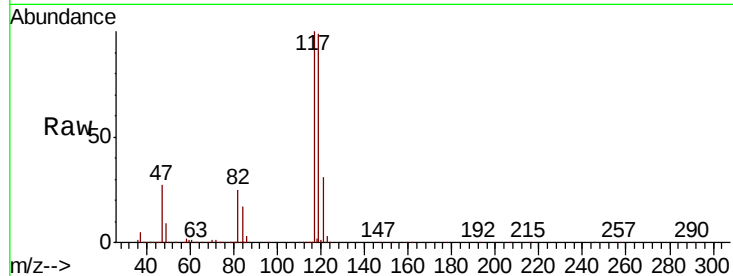




#35
Carbon Tetrachloride
Concen: 8.274 ppbv
RT: 7.18 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

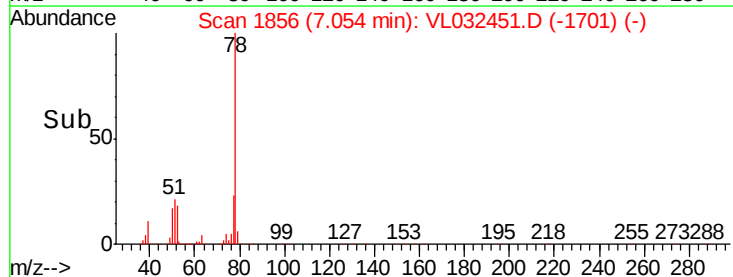
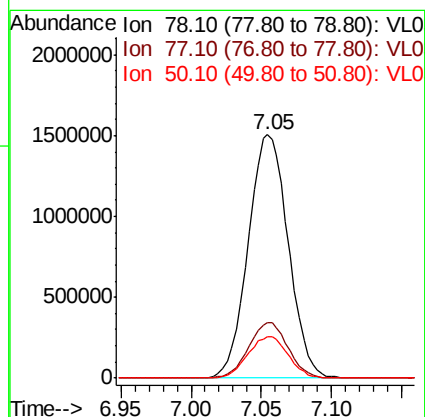
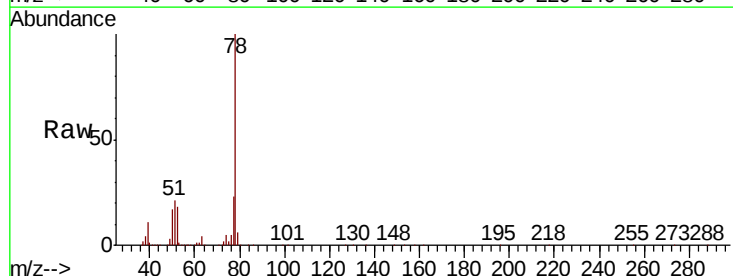
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

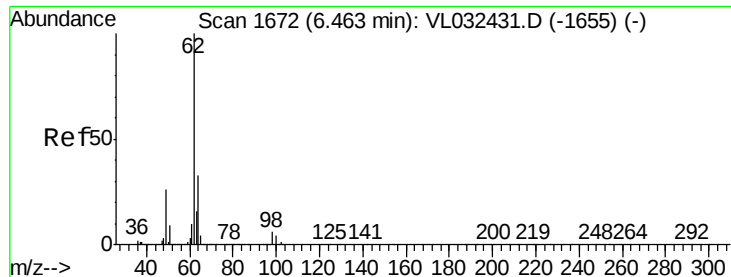
Tgt Ion:117 Resp: 1885359
Ion Ratio Lower Upper
117 100
119 98.8 76.6 115.0
121 30.5 24.6 36.8



#36
Benzene
Concen: 10.358 ppbv
RT: 7.05 min Scan# 1856
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Tgt Ion: 78 Resp: 2988234
Ion Ratio Lower Upper
78 100
77 22.8 18.4 27.6
50 17.2 14.4 21.6

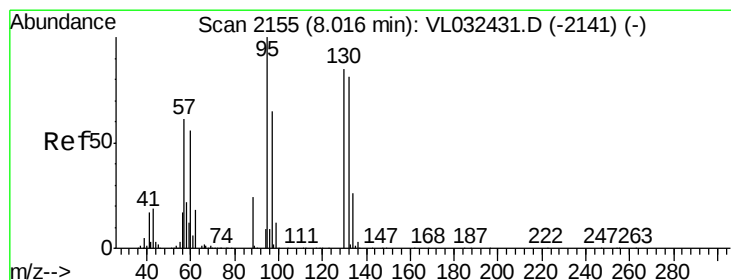
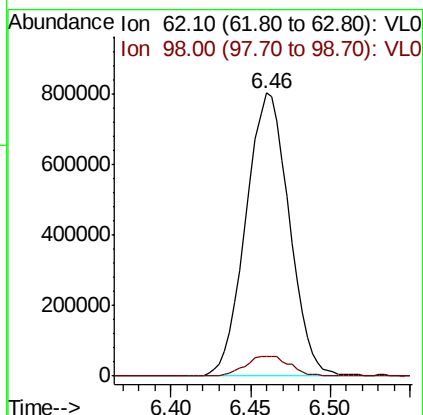
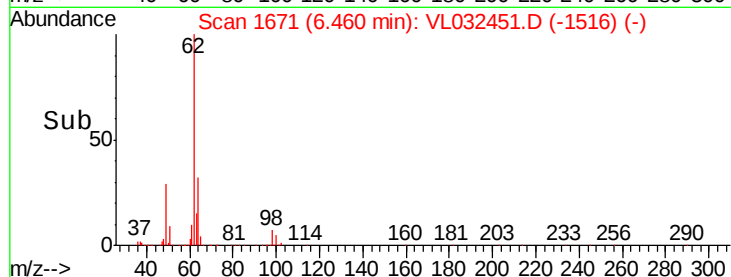
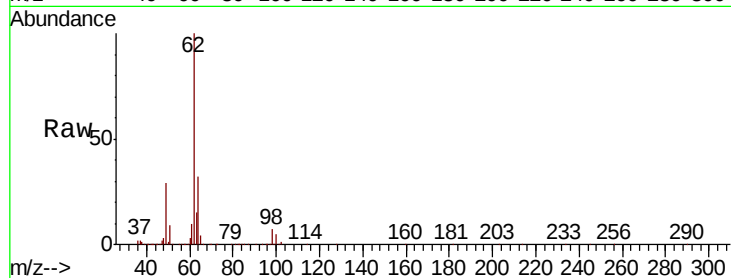




#37
 1,2-Dichloroethane
 Concen: 8.403 ppbv
 RT: 6.46 min Scan# 1671
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

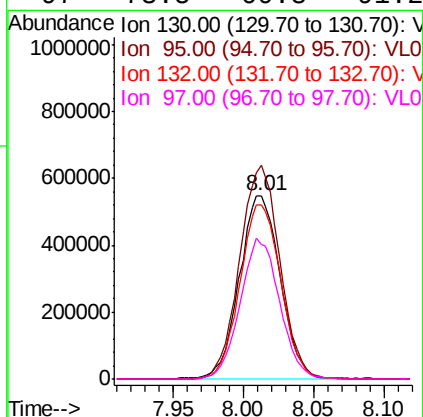
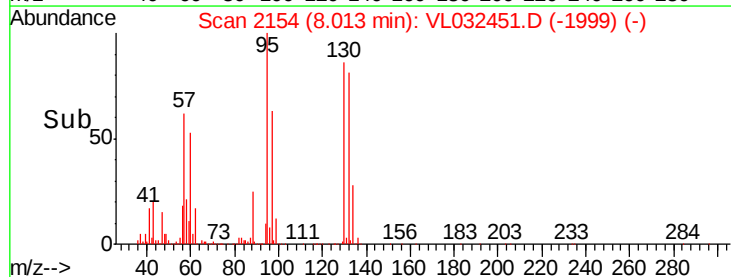
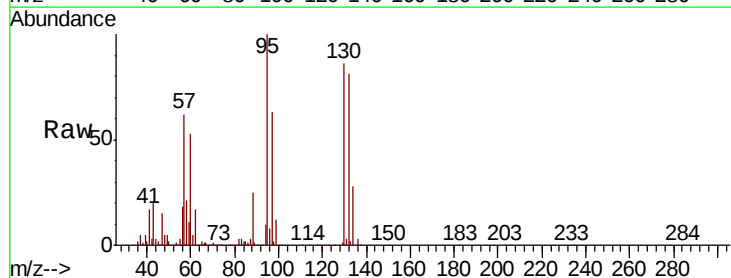
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

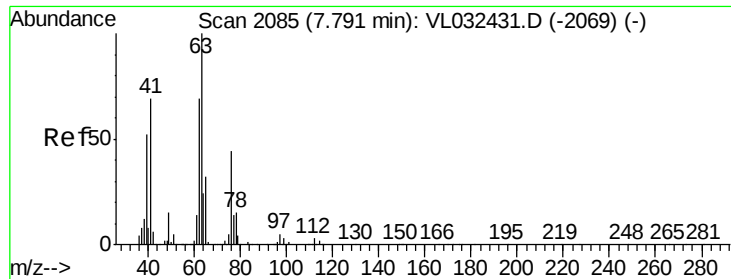
Tgt Ion: 62 Resp: 1485625
 Ion Ratio Lower Upper
 62 100
 98 7.3 5.0 7.6



#38
 Trichloroethene
 Concen: 10.043 ppbv
 RT: 8.01 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion: 130 Resp: 1100655
 Ion Ratio Lower Upper
 130 100
 95 116.9 94.2 141.4
 132 95.2 76.2 114.4
 97 73.5 60.8 91.2

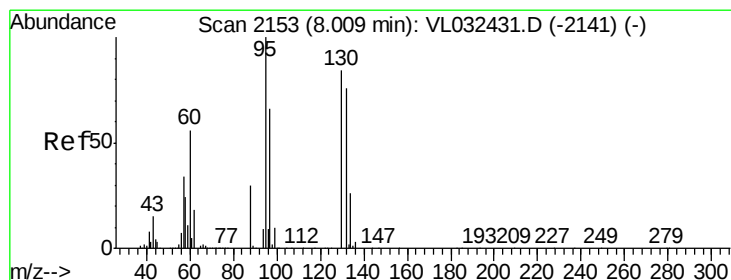
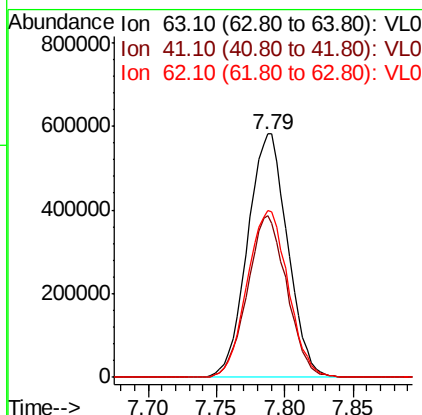
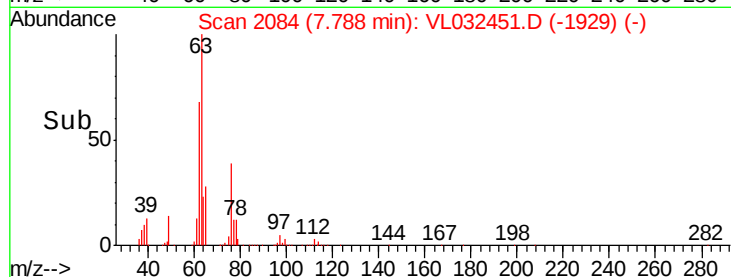
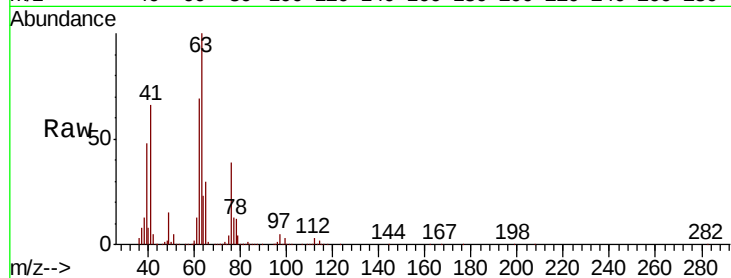




#39
 1,2-Dichloropropane
 Concen: 9.596 ppbv
 RT: 7.79 min Scan# 2084
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

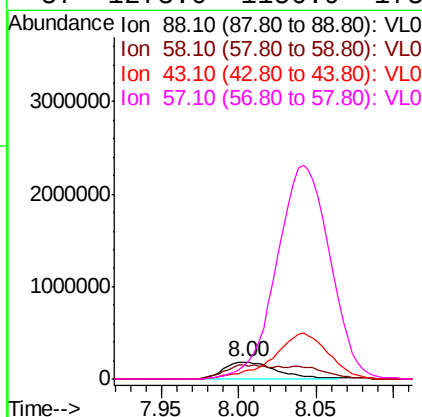
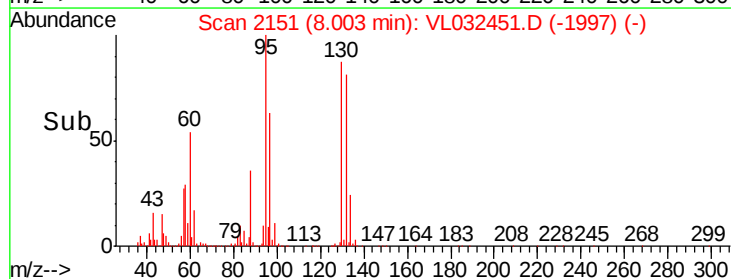
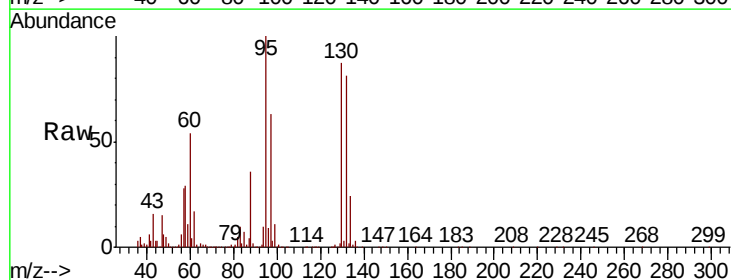
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

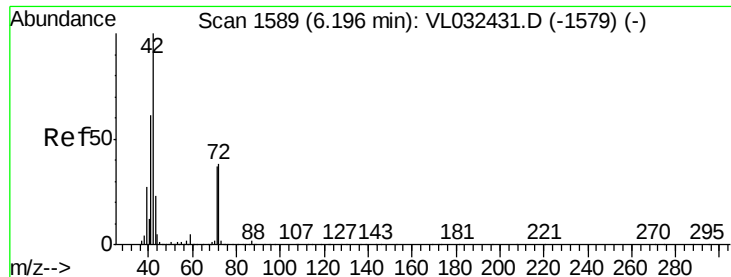
Tgt Ion: 63 Resp: 1184530
 Ion Ratio Lower Upper
 63 100
 41 66.3 55.4 83.0
 62 68.5 55.4 83.0



#40
 1,4-Dioxane
 Concen: 11.773 ppbv
 RT: 8.00 min Scan# 2151
 Delta R.T. -0.01 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion: 88 Resp: 436010
 Ion Ratio Lower Upper
 88 100
 58 139.4 119.7 179.5
 43 286.0 253.0 379.4
 57 1273.0 1156.9 1735.3





#41

Tetrahydrofuran

Concen: 11.559 ppbv

RT: 6.19 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

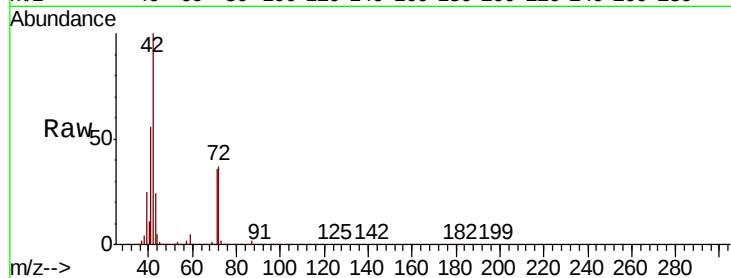
Tgt Ion: 42 Resp: 1417088

Ion Ratio Lower Upper

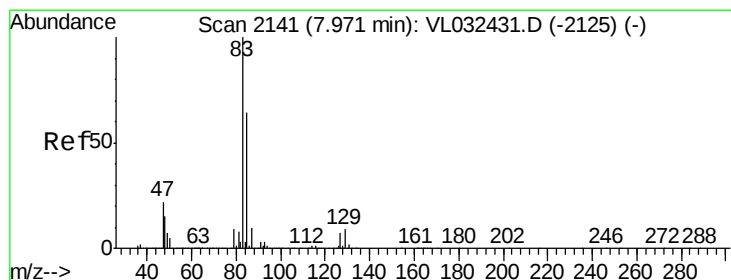
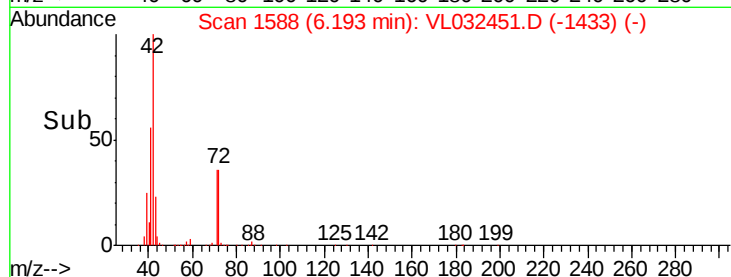
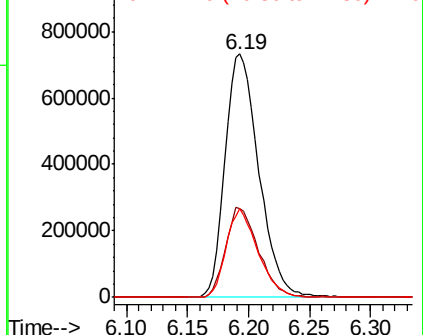
42 100

72 36.1 29.5 44.3

71 34.4 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: 9.674 ppbv

RT: 7.97 min Scan# 2140

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

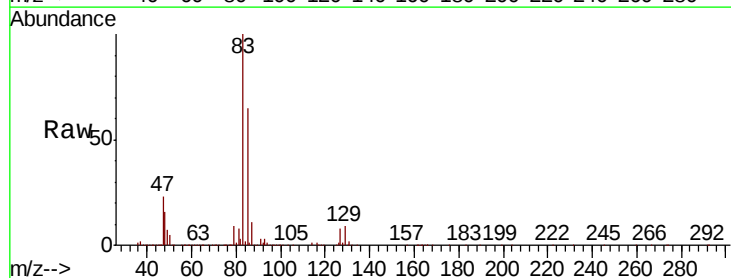
Tgt Ion: 83 Resp: 2359110

Ion Ratio Lower Upper

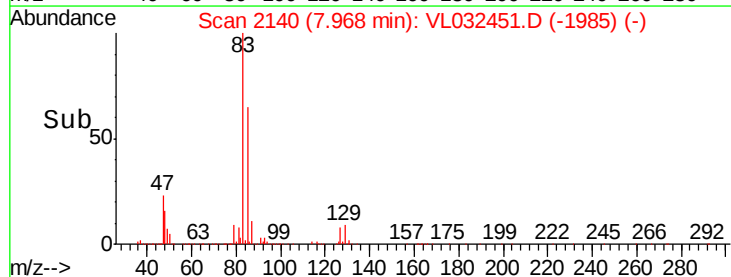
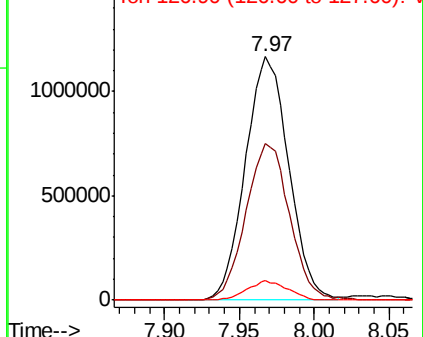
83 100

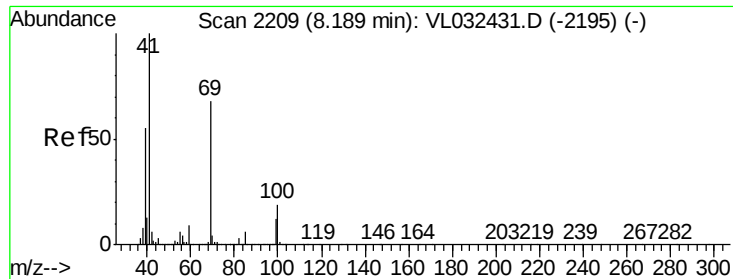
85 64.6 51.1 76.7

127 7.8 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

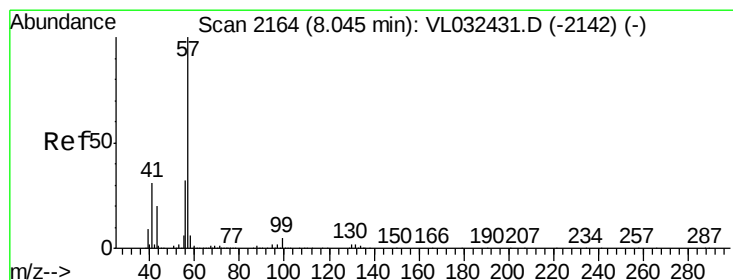
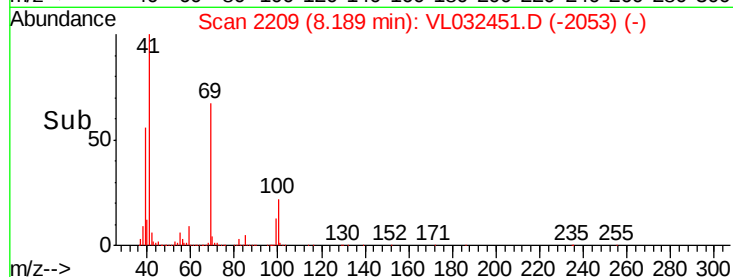
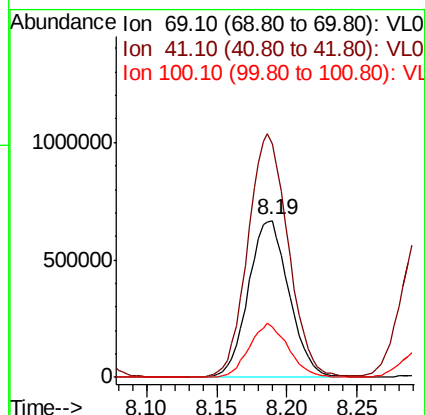
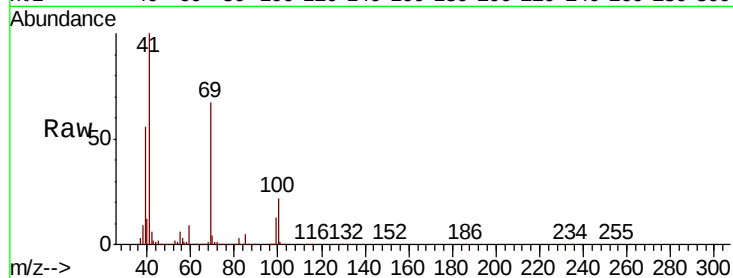




#43
Methyl Methacrylate
Concen: 11.010 ppbv
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

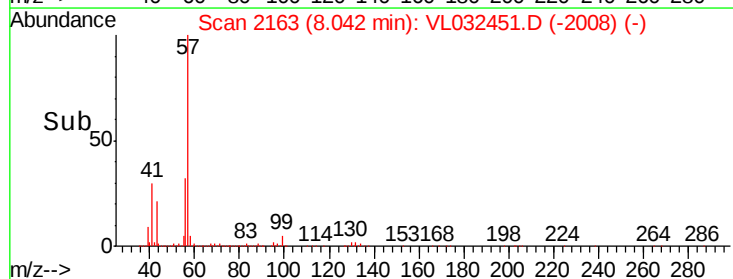
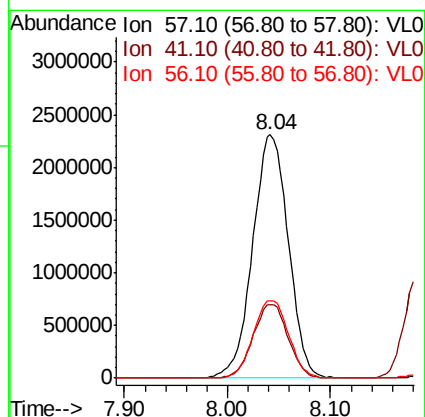
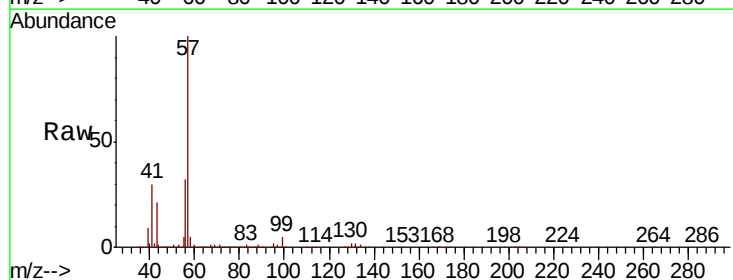
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

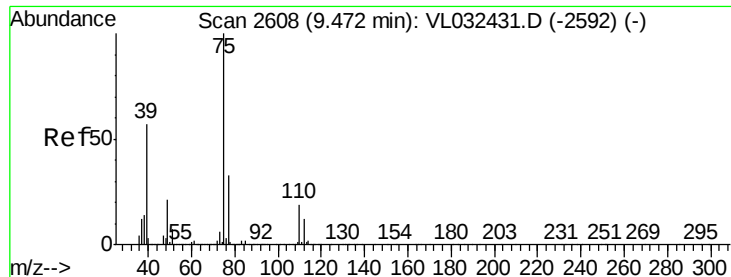
Tgt Ion: 69 Resp: 1347573
Ion Ratio Lower Upper
69 100
41 153.6 117.1 175.7
100 32.8 23.4 35.2



#44
2,2,4-Trimethylpentane
Concen: 9.937 ppbv
RT: 8.04 min Scan# 2163
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Tgt Ion: 57 Resp: 5542980
Ion Ratio Lower Upper
57 100
41 29.9 24.4 36.6
56 31.7 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 11.838 ppbv

RT: 9.47 min Scan# 2606

Delta R.T. -0.01 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

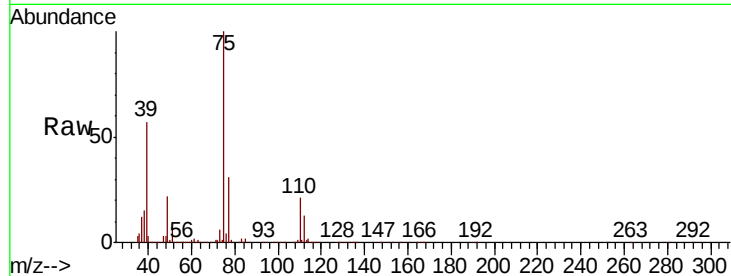
VSTDCCC010EC

Tgt Ion: 75 Resp: 1550509

Ion Ratio Lower Upper

75 100

77 30.6 26.2 39.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

800000

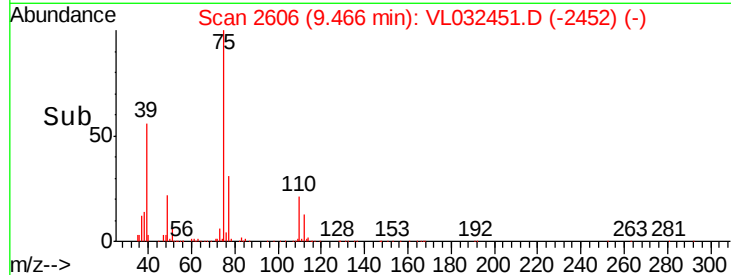
600000

400000

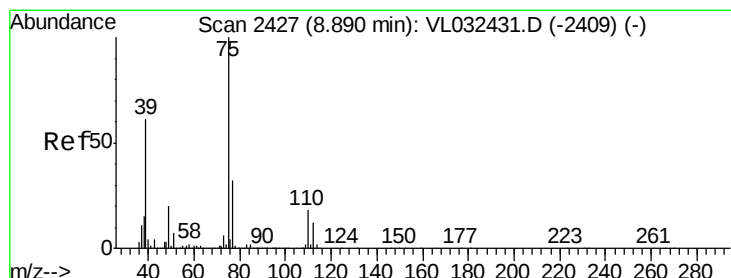
200000

0

9.40 9.45 9.50 9.55



Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.955 ppbv

RT: 8.89 min Scan# 2426

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

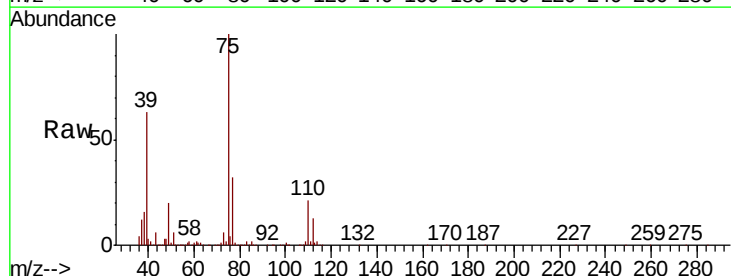
Tgt Ion: 75 Resp: 2000898

Ion Ratio Lower Upper

75 100

39 62.8 48.9 73.3

77 32.3 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

1200000

1000000

800000

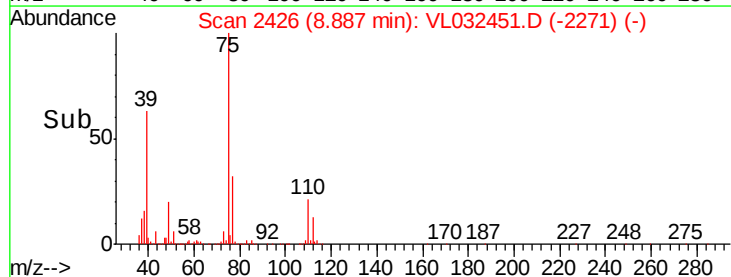
600000

400000

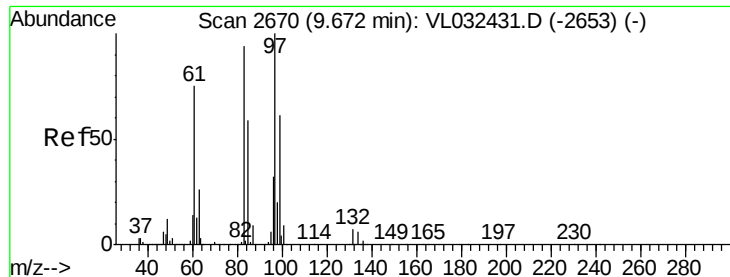
200000

0

8.80 8.85 8.90 8.95



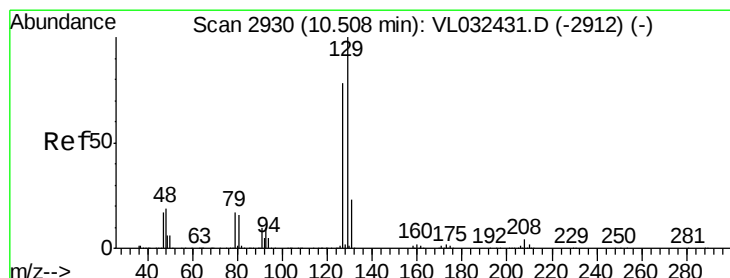
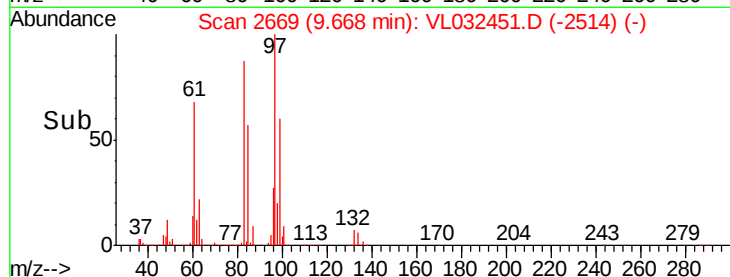
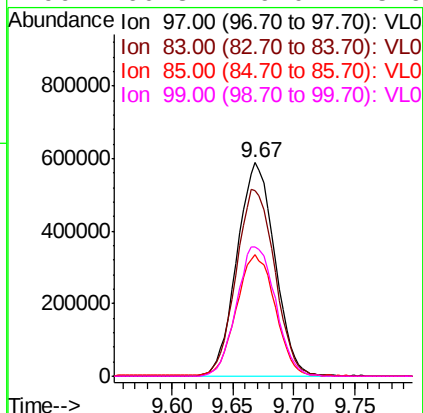
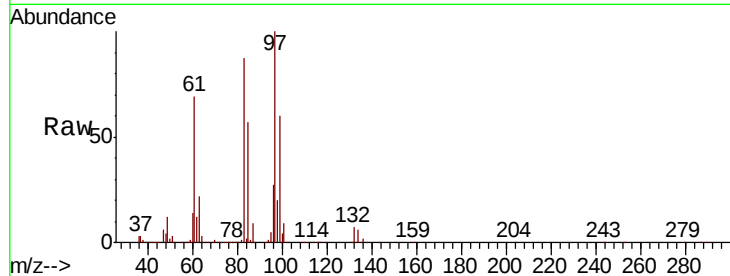
Time-->



#47
 1,1,2-Trichloroethane
 Concen: 9.622 ppbv
 RT: 9.67 min Scan# 2669
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

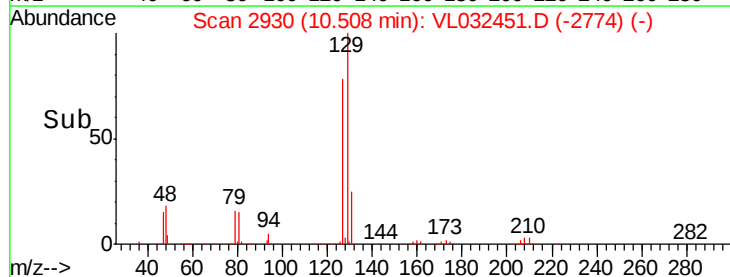
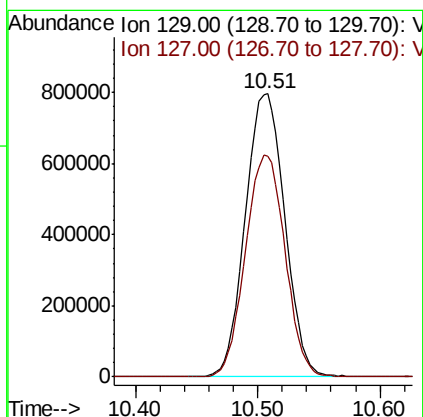
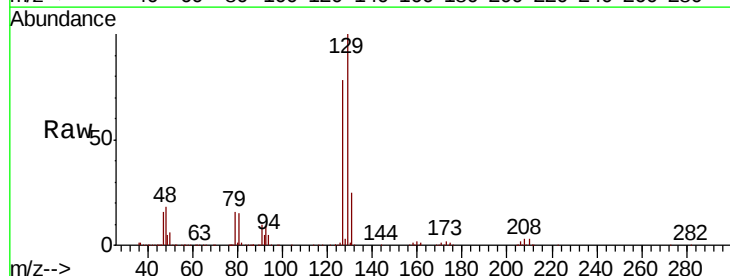
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

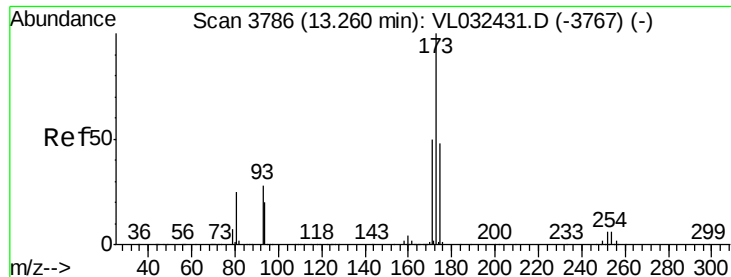
Tgt Ion: 97 Resp: 1262826
 Ion Ratio Lower Upper
 97 100
 83 86.8 75.0 112.4
 85 56.8 47.5 71.3
 99 60.3 49.0 73.6



#48
 Dibromochloromethane
 Concen: 9.799 ppbv
 RT: 10.51 min Scan# 2930
 Delta R.T. 0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion: 129 Resp: 1781199
 Ion Ratio Lower Upper
 129 100
 127 78.8 39.5 118.3





#49

Bromoform

Concen: 9.558 ppbv

RT: 13.26 min Scan# 3785

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

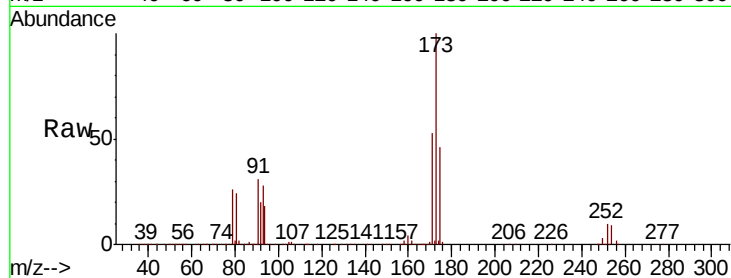
Tgt Ion:173 Resp: 1510122

Ion Ratio Lower Upper

173 100

175 48.3 38.9 58.3

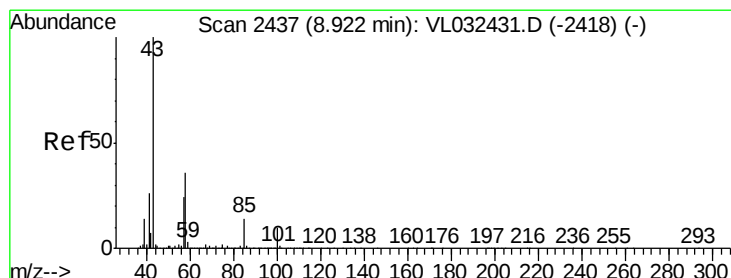
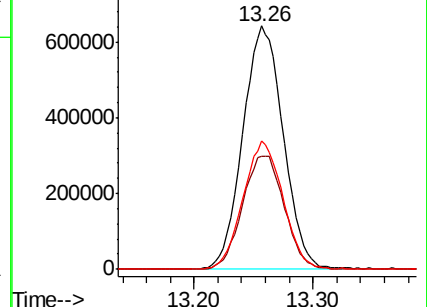
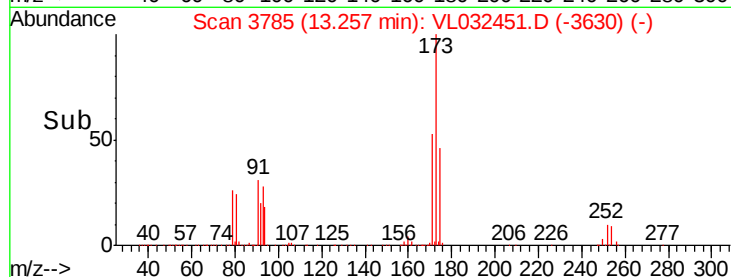
171 52.2 41.6 62.4



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: 10.186 ppbv

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VL032451.D

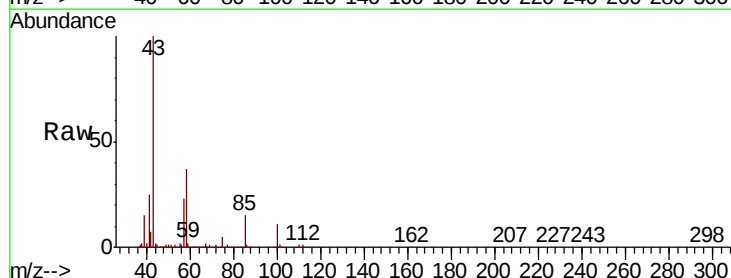
Acq: 31 Aug 2018 22:16

Tgt Ion: 43 Resp: 3455404

Ion Ratio Lower Upper

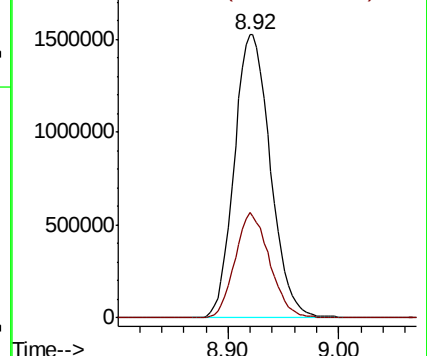
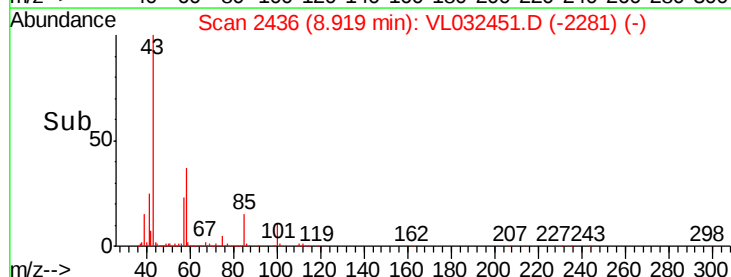
43 100

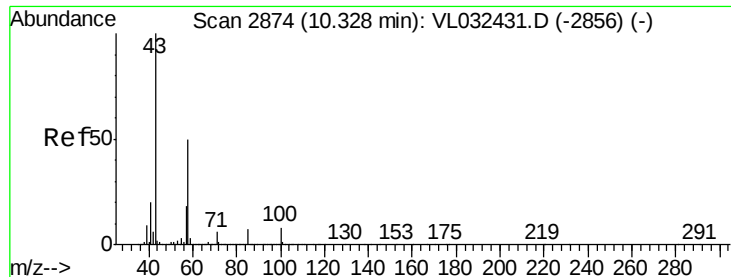
58 35.7 29.0 43.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.551 ppbv

RT: 10.32 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

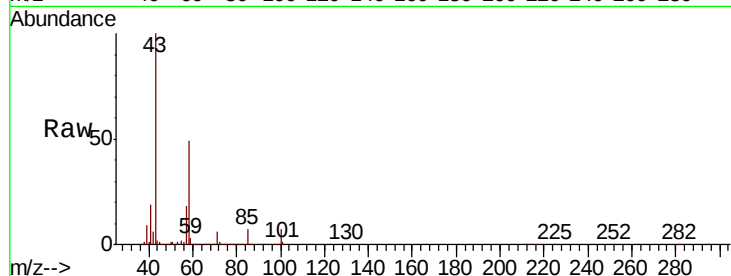
Tgt Ion: 43 Resp: 2524042

Ion Ratio Lower Upper

43 100

58 49.6 39.2 58.8

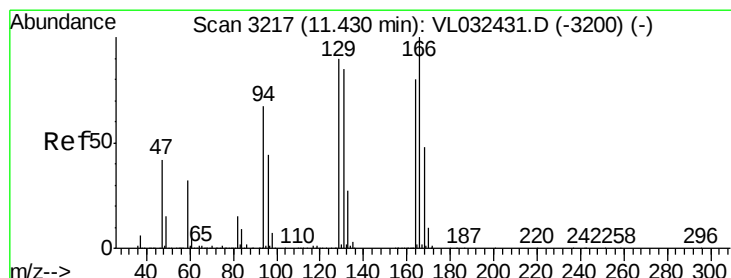
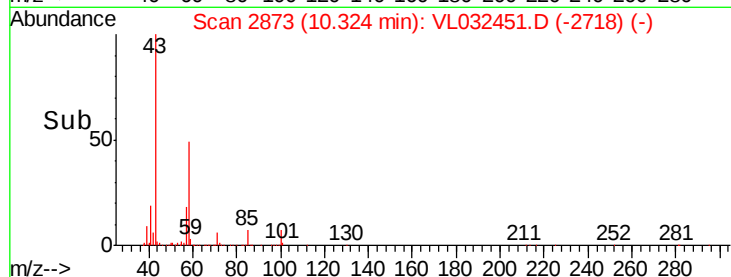
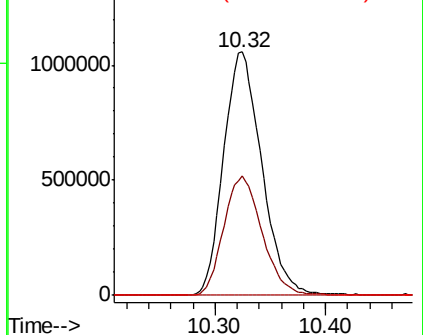
98 0.1 0.4 0.6#



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: 10.181 ppbv

RT: 11.43 min Scan# 3216

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Tgt Ion: 164 Resp: 910785

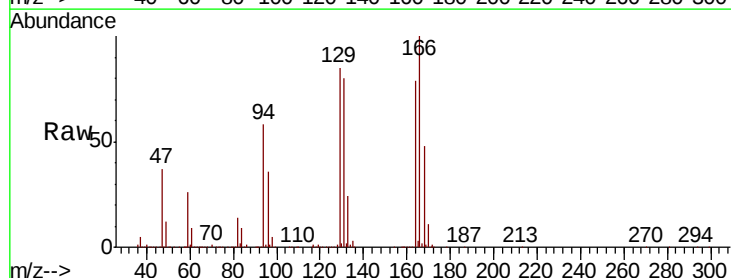
Ion Ratio Lower Upper

164 100

166 126.5 100.6 150.8

129 107.1 89.9 134.9

131 101.2 85.9 128.9

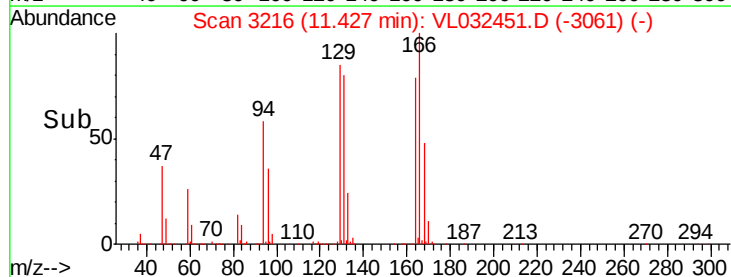
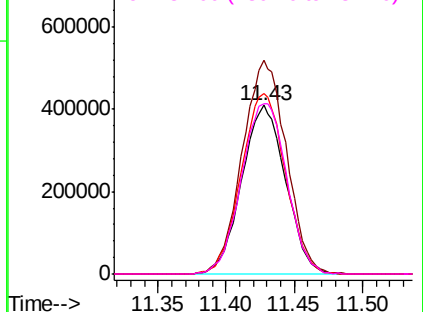


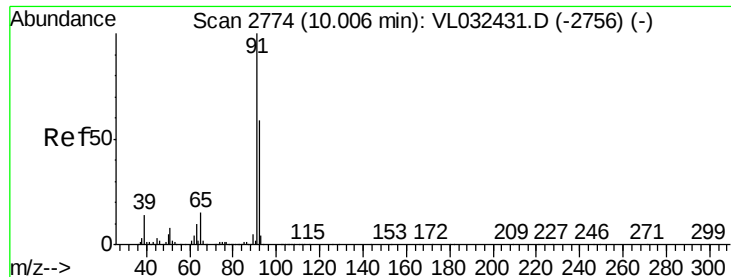
Abundance Ion 163.90 (163.60 to 164.60): V

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: 11.005 ppbv

RT: 10.00 min Scan# 2772

Delta R.T. -0.01 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

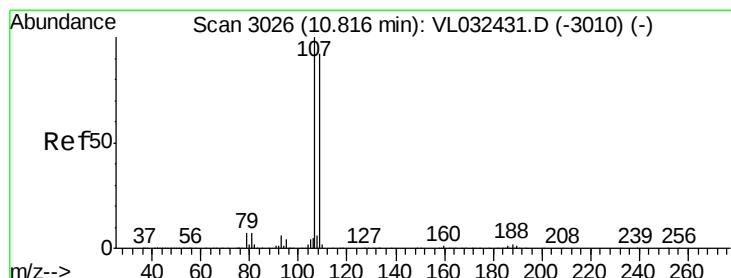
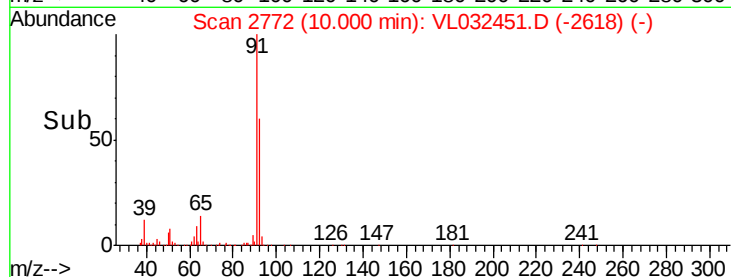
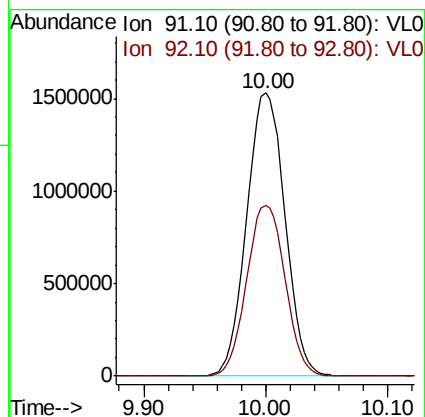
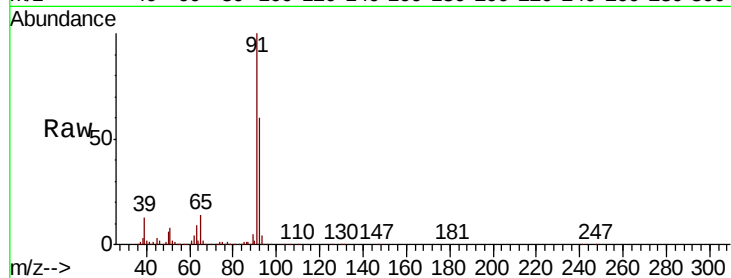
VSTDCCC010EC

Tgt Ion: 91 Resp: 3318837

Ion Ratio Lower Upper

91 100

92 60.7 48.1 72.1



#54

1,2-Dibromoethane

Concen: 10.863 ppbv

RT: 10.81 min Scan# 3025

Delta R.T. -0.00 min

Lab File: VL032451.D

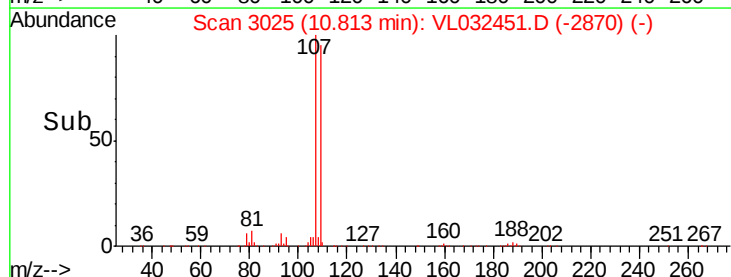
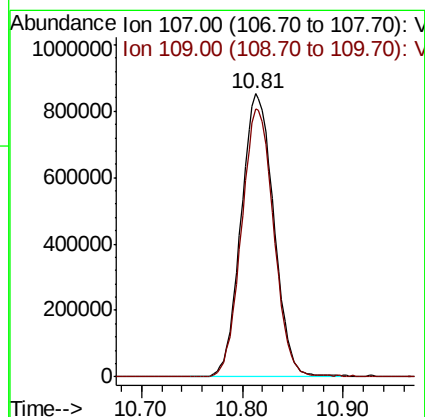
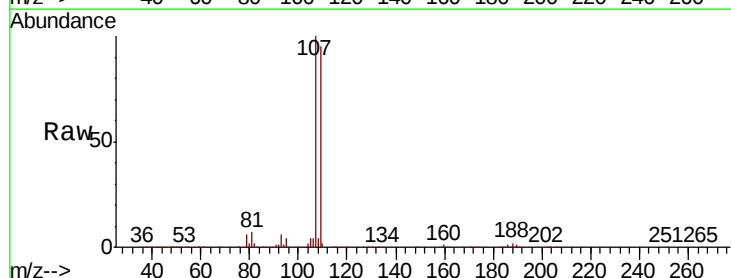
Acq: 31 Aug 2018 22:16

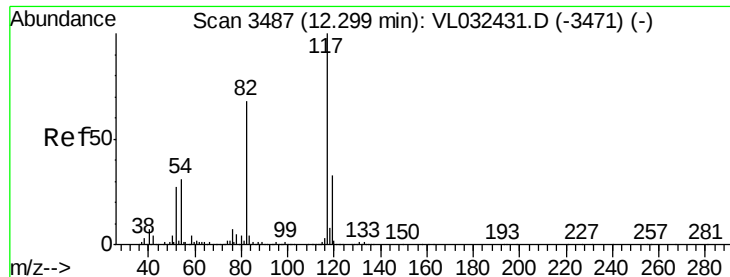
Tgt Ion: 107 Resp: 1914110

Ion Ratio Lower Upper

107 100

109 94.7 73.9 110.9

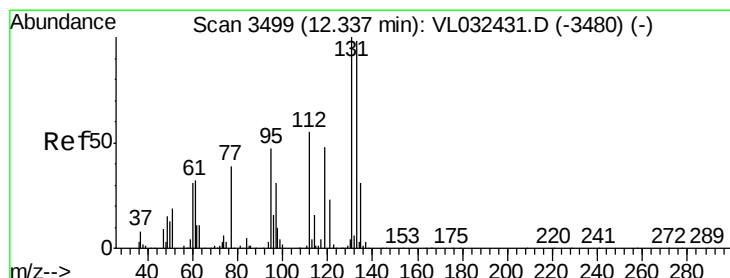
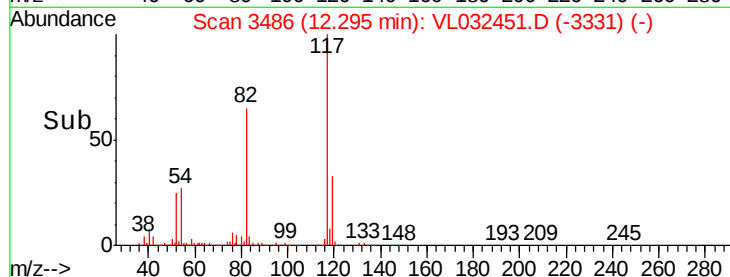
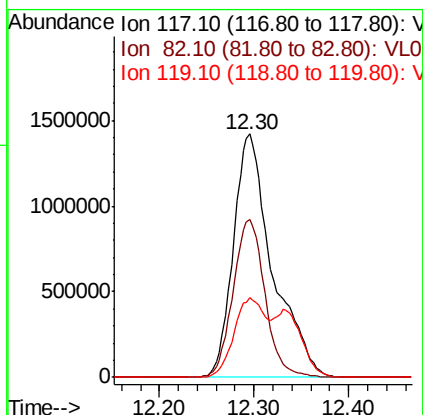
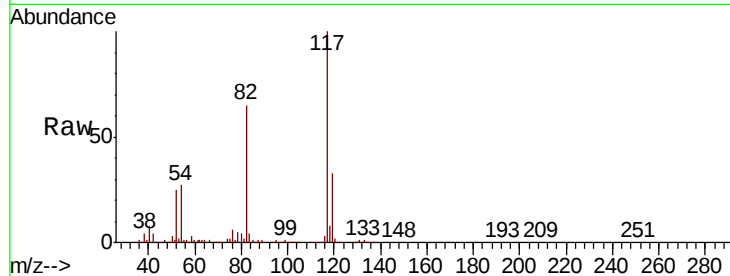




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.30 min Scan# 3486
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

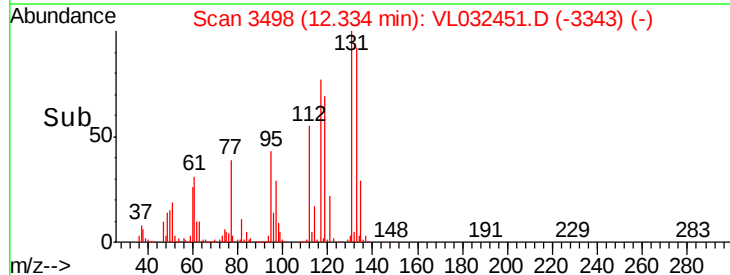
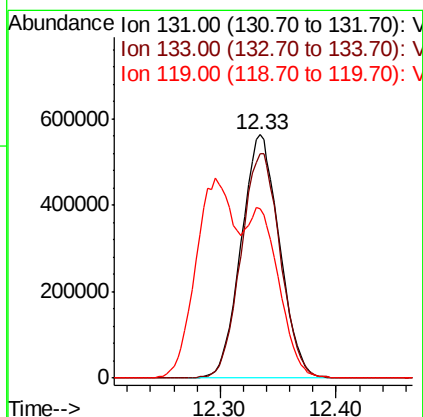
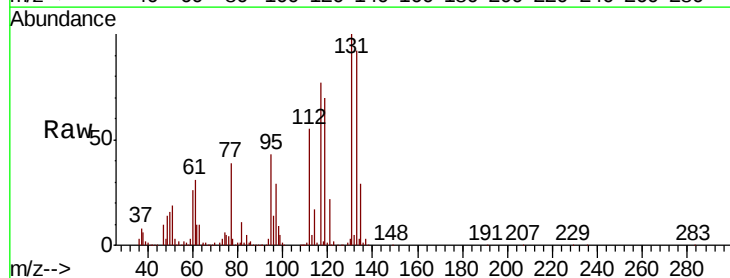
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

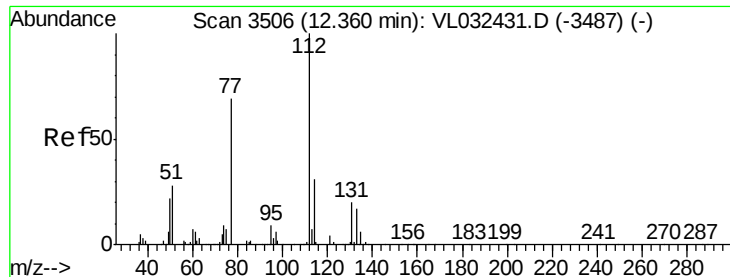
Tgt Ion:117 Resp: 4073036
Ion Ratio Lower Upper
117 100
82 53.3 53.0 79.6
119 46.5 45.9 68.9



#56
1,1,1,2-Tetrachloroethane
Concen: 7.031 ppbv
RT: 12.33 min Scan# 3498
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Tgt Ion:131 Resp: 1291030
Ion Ratio Lower Upper
131 100
133 95.0 77.0 115.4
119 146.9 114.2 171.2





#57

Chlorobenzene

Concen: 7.396 ppbv

RT: 12.36 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

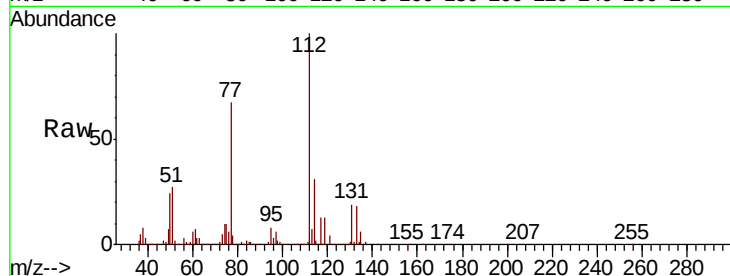
Tgt Ion: 112 Resp: 2407449

Ion Ratio Lower Upper

112 100

77 66.6 56.1 84.1

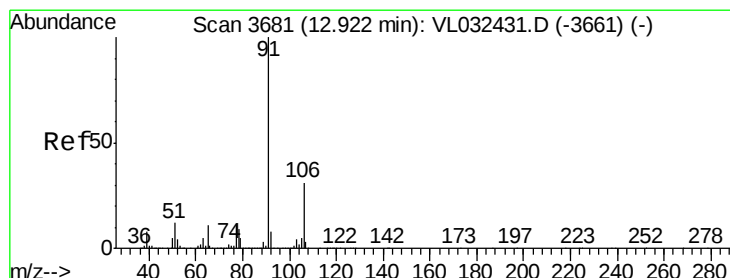
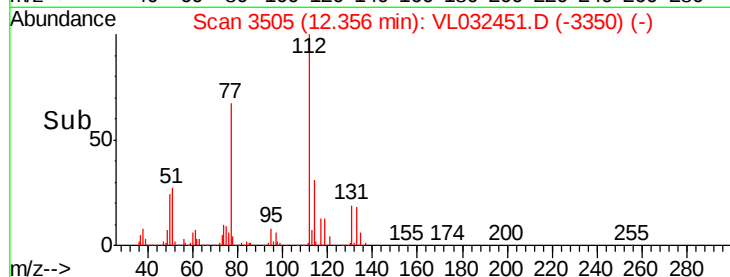
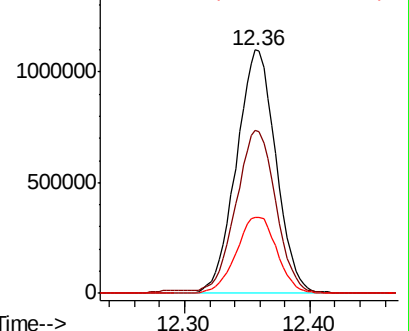
114 31.2 27.8 34.0



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: 9.199 ppbv

RT: 12.92 min Scan# 3680

Delta R.T. -0.00 min

Lab File: VL032451.D

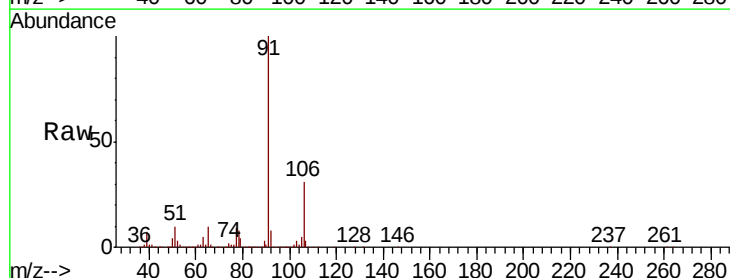
Acq: 31 Aug 2018 22:16

Tgt Ion: 91 Resp: 4483984

Ion Ratio Lower Upper

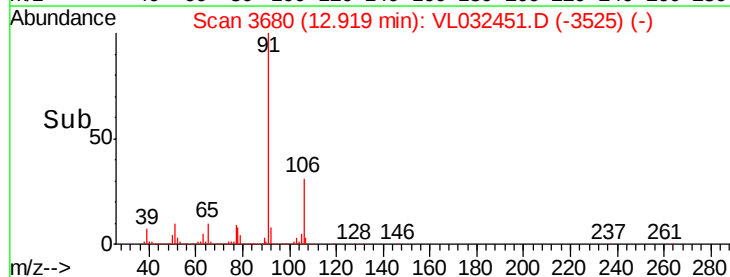
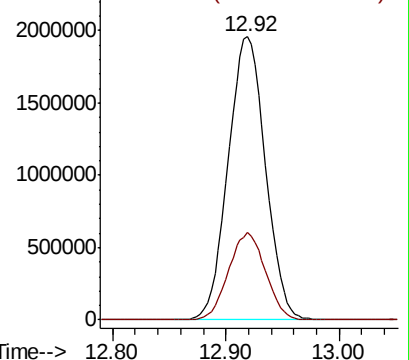
91 100

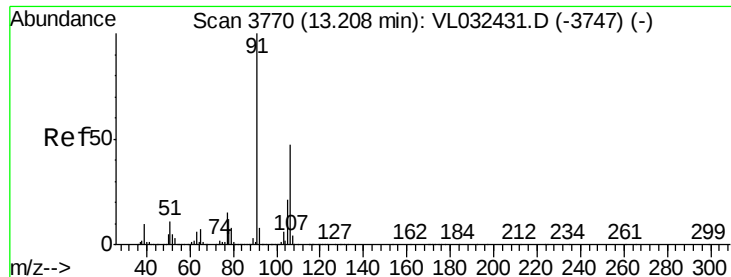
106 31.0 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

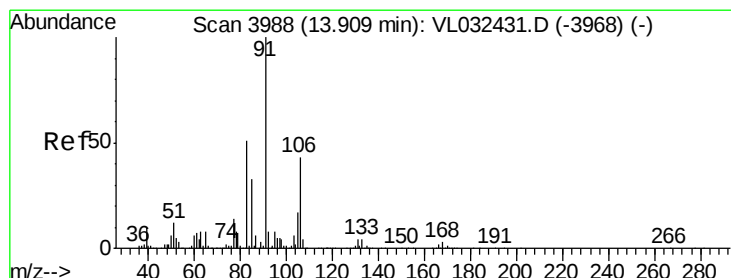
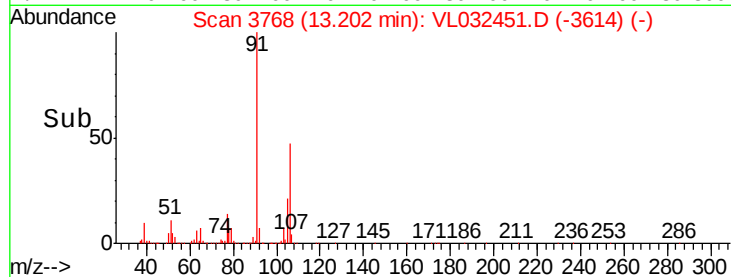
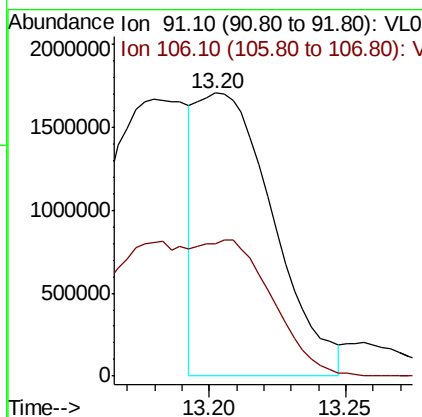
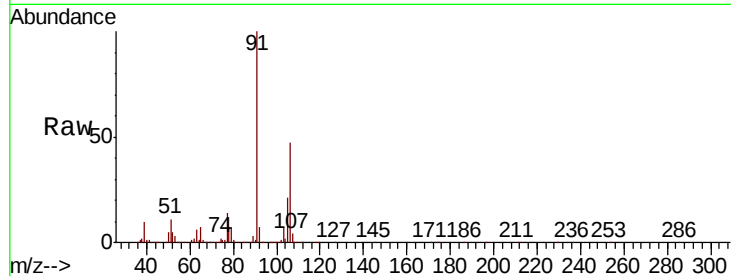




#59
m/p-Xylene
Concen: 7.606 ppbv
RT: 13.20 min Scan# 3768
Delta R.T. -0.01 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

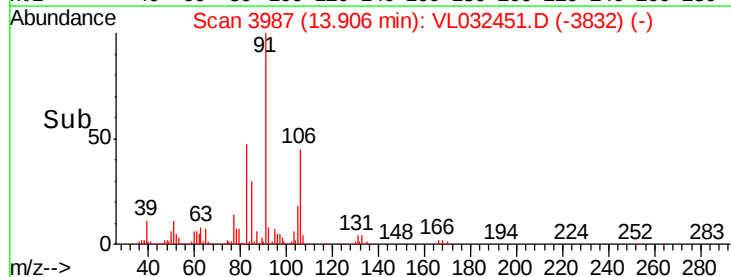
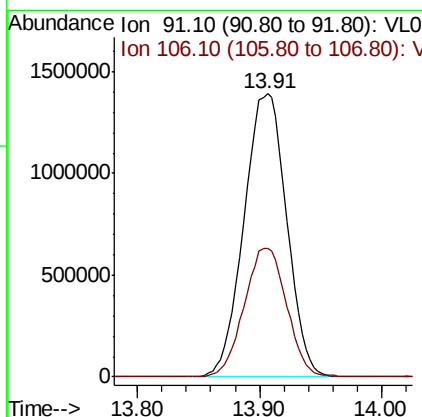
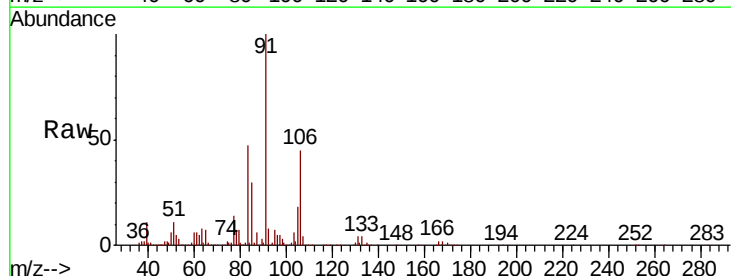
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

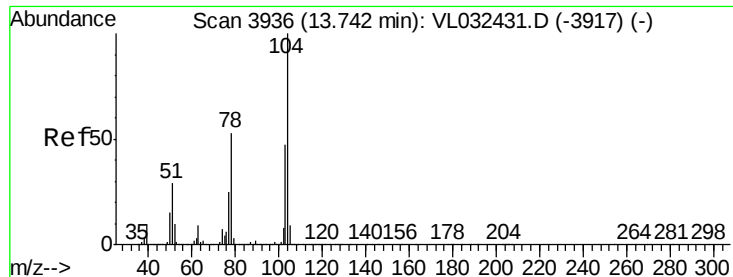
Tgt Ion: 91 Resp: 3305352
Ion Ratio Lower Upper
91 100
106 100.7 36.6 55.0#



#60
o-Xylene
Concen: 7.886 ppbv
RT: 13.91 min Scan# 3987
Delta R.T. -0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Tgt Ion: 91 Resp: 3366362
Ion Ratio Lower Upper
91 100
106 45.3 21.9 65.7





#61

Styrene

Concen: 10.153 ppbv

RT: 13.74 min Scan# 3935

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

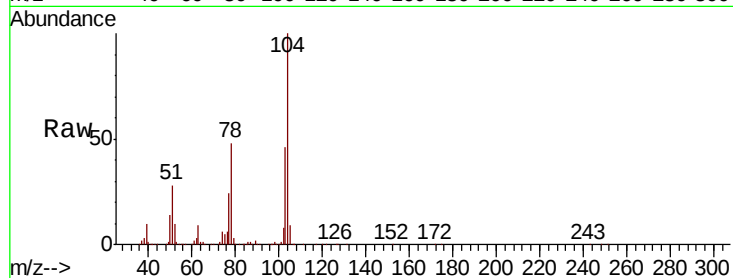
Tgt Ion:104 Resp: 2805684

Ion Ratio Lower Upper

104 100

78 48.9 41.8 62.8

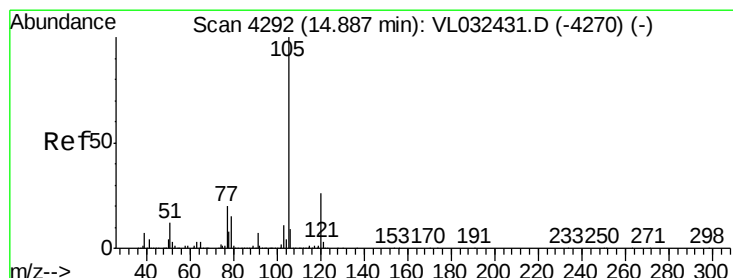
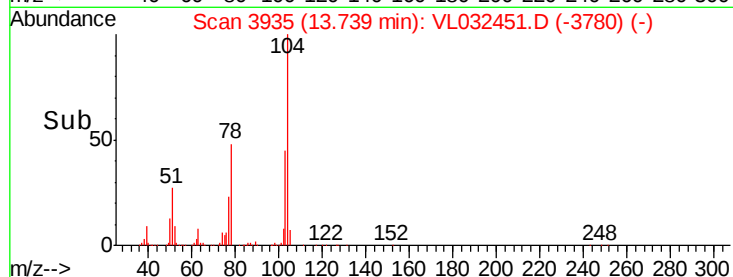
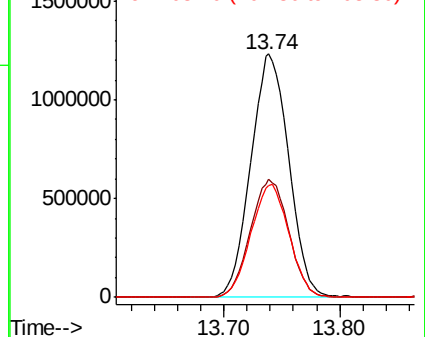
103 46.7 38.0 57.0



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: 8.182 ppbv

RT: 14.88 min Scan# 4290

Delta R.T. -0.01 min

Lab File: VL032451.D

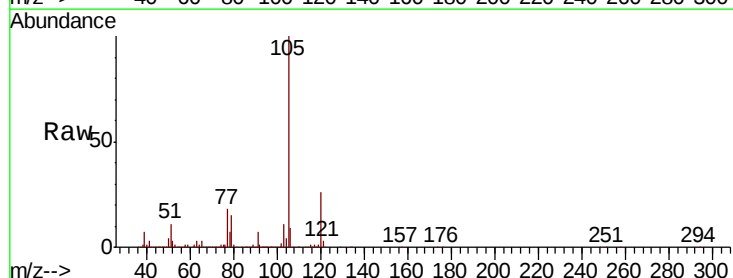
Acq: 31 Aug 2018 22:16

Tgt Ion:105 Resp: 4910004

Ion Ratio Lower Upper

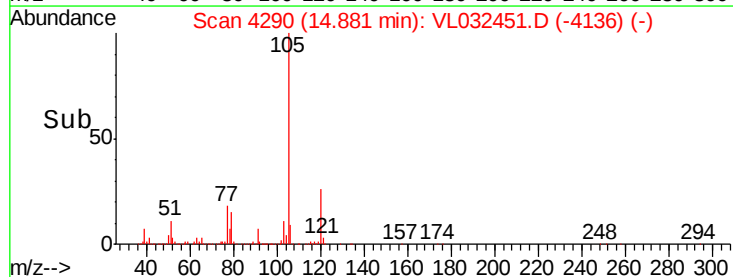
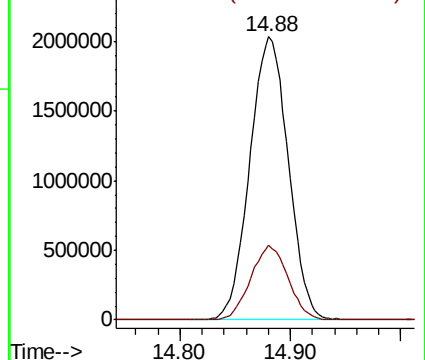
105 100

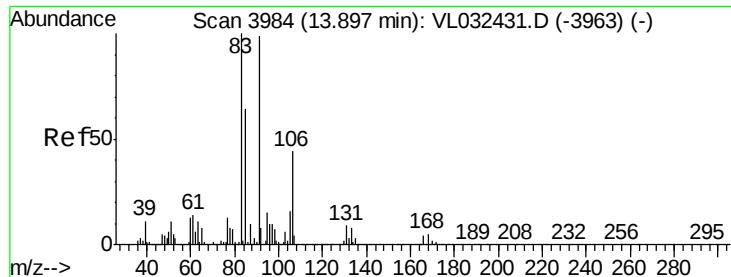
120 25.7 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

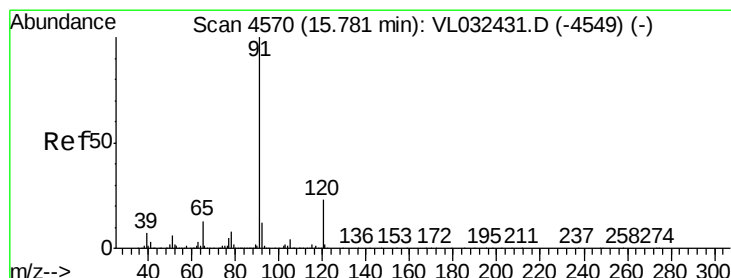
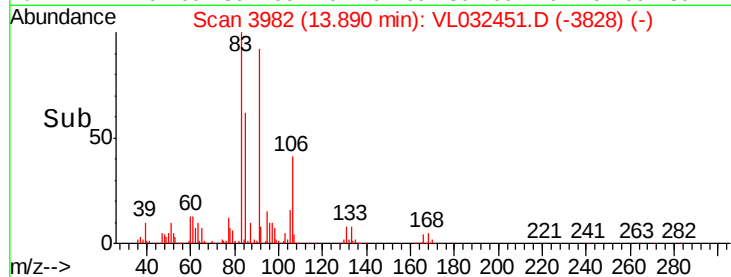
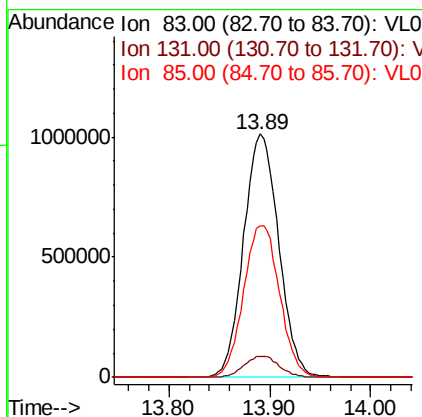
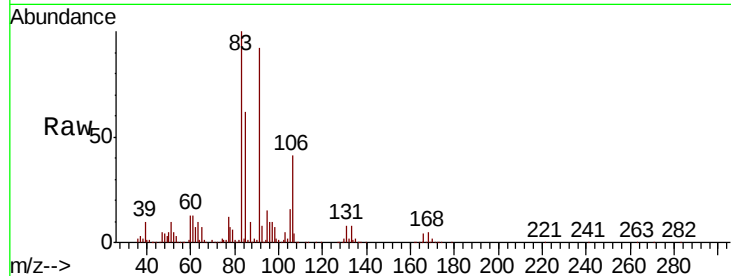




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.404 ppbv
 RT: 13.89 min Scan# 3982
 Delta R.T. -0.01 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

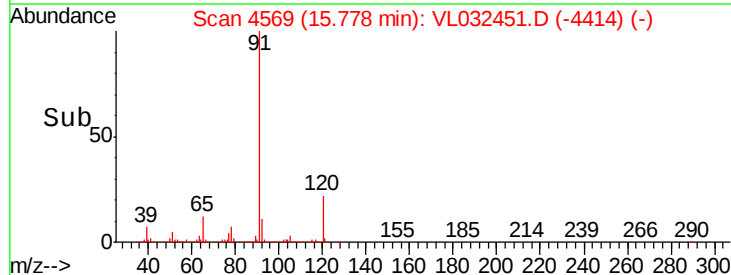
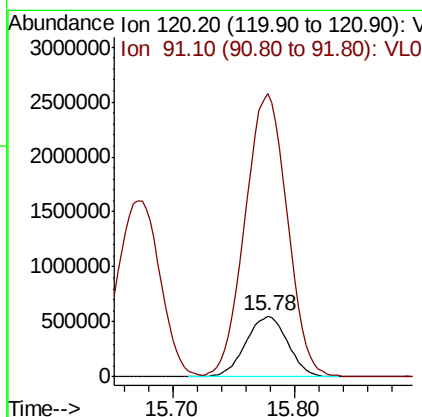
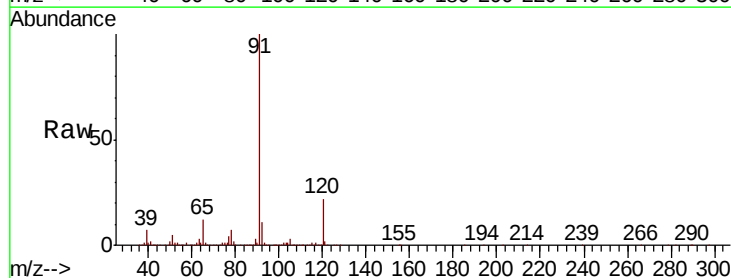
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

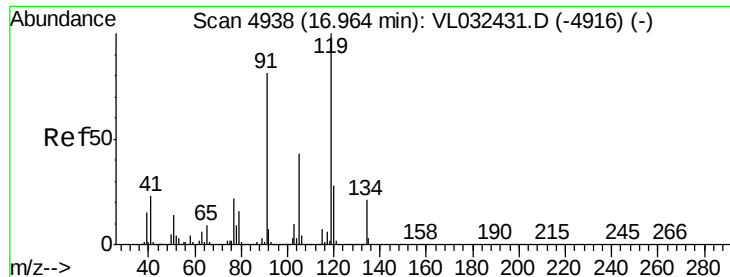
Tgt Ion: 83 Resp: 2444144
 Ion Ratio Lower Upper
 83 100
 131 8.8 4.3 12.8
 85 64.0 32.3 96.8



#64
 n-propylbenzene
 Concen: 8.330 ppbv
 RT: 15.78 min Scan# 4569
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion: 120 Resp: 1306797
 Ion Ratio Lower Upper
 120 100
 91 473.6 381.8 572.6

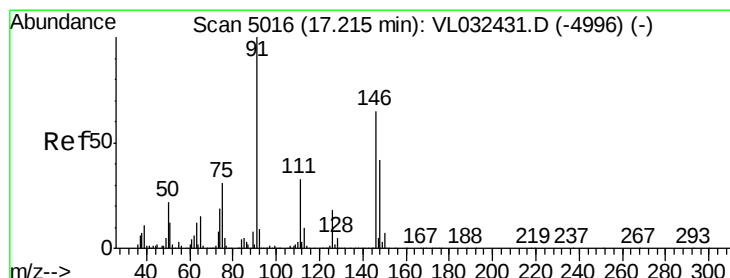
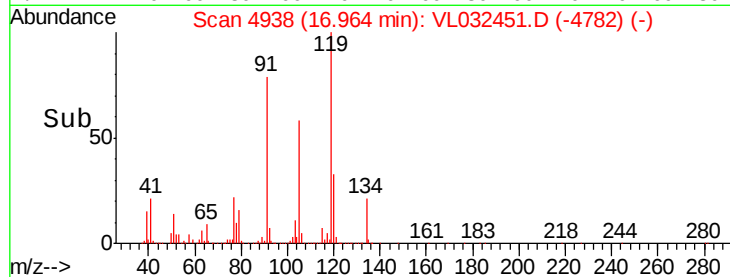
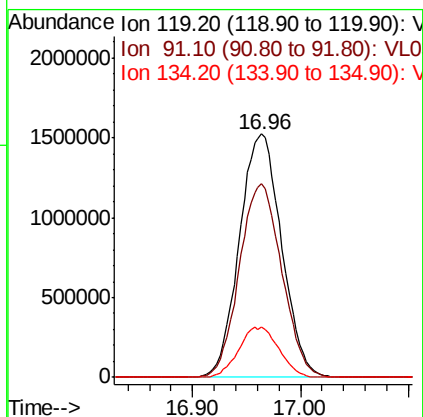
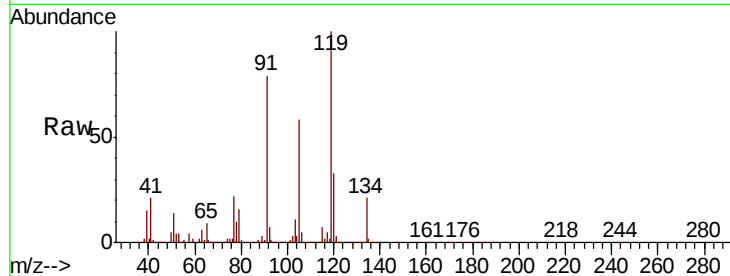




#65
 tert-Butylbenzene
 Concen: 7.999 ppbv
 RT: 16.96 min Scan# 4938
 Delta R.T. 0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

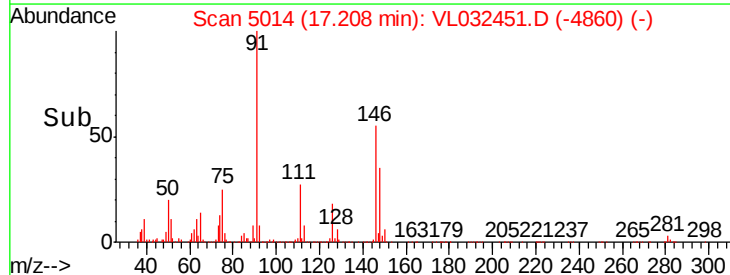
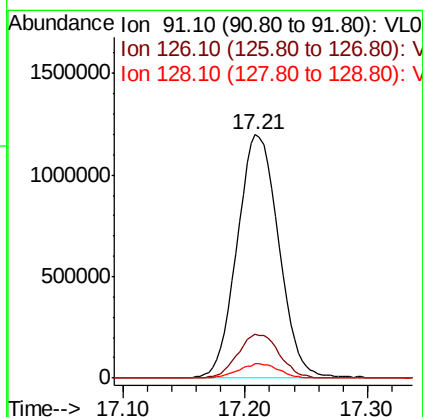
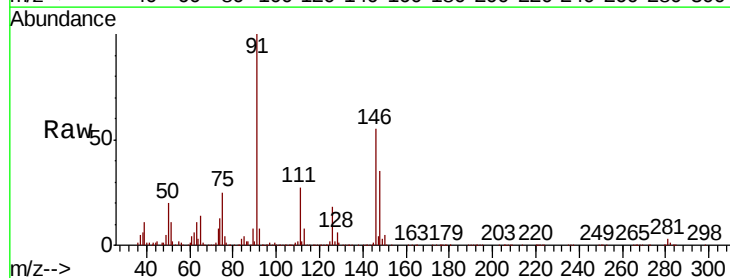
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

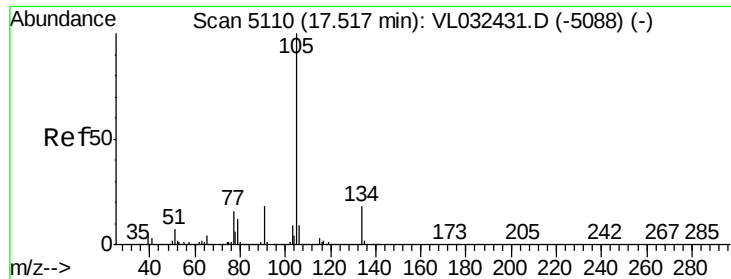
Tgt Ion: 119 Resp: 4136121
 Ion Ratio Lower Upper
 119 100
 91 80.2 66.5 99.7
 134 19.7 16.0 24.0



#66
 Benzyl Chloride
 Concen: 9.756 ppbv
 RT: 17.21 min Scan# 5014
 Delta R.T. -0.01 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion: 91 Resp: 2810183
 Ion Ratio Lower Upper
 91 100
 126 18.4 13.8 20.8
 128 5.8 4.4 6.6

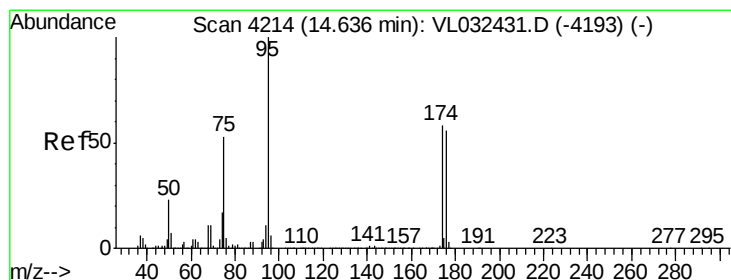
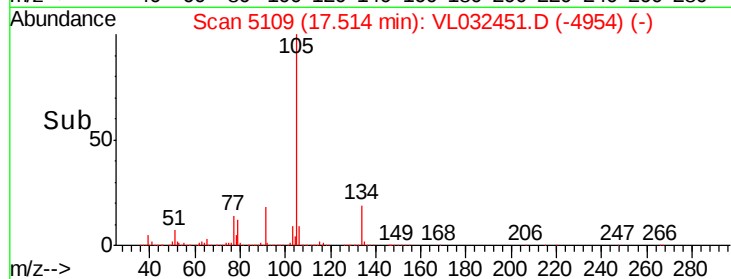
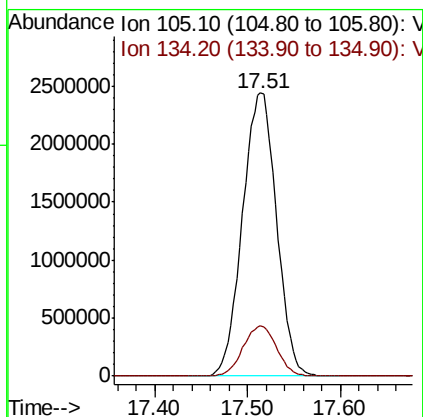
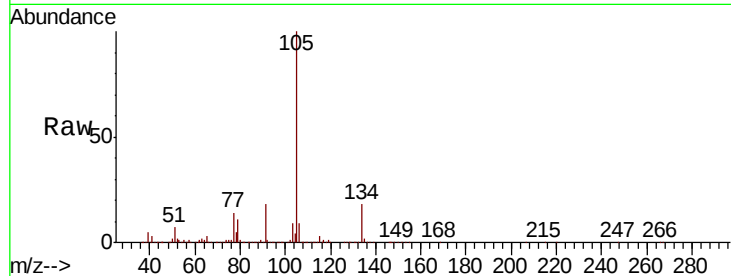




#67
 sec-Butylbenzene
 Concen: 7.997 ppbv
 RT: 17.51 min Scan# 5109
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

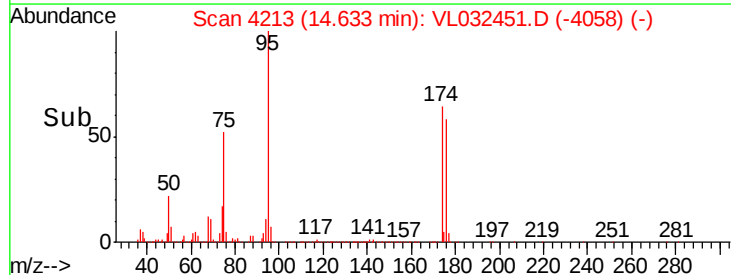
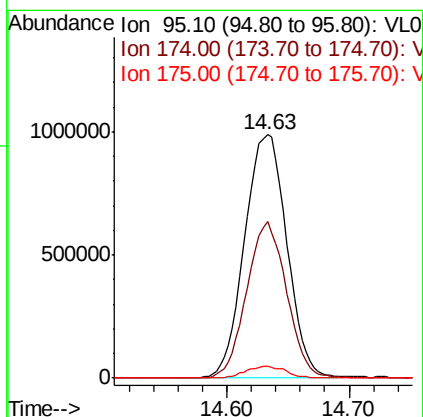
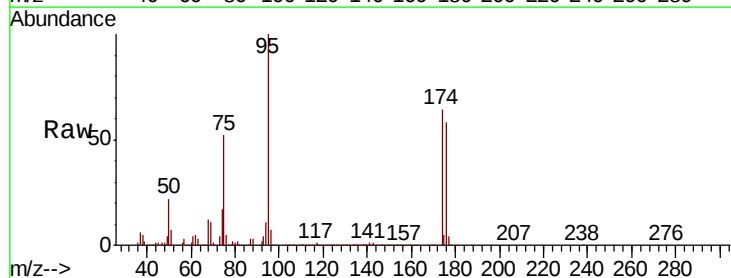
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

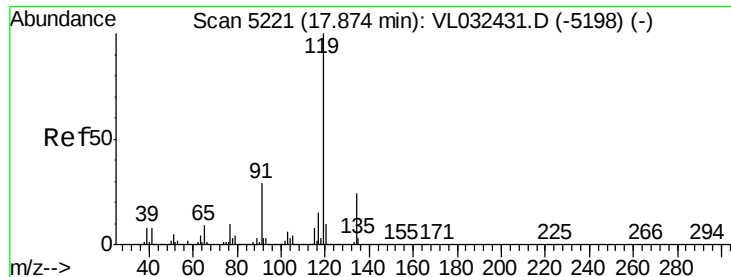
Tgt Ion: 105 Resp: 6218972
 Ion Ratio Lower Upper
 105 100
 134 17.5 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.848 ppbv
 RT: 14.63 min Scan# 4213
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion: 95 Resp: 2373269
 Ion Ratio Lower Upper
 95 100
 174 61.0 46.3 69.5
 175 4.7 3.4 5.0

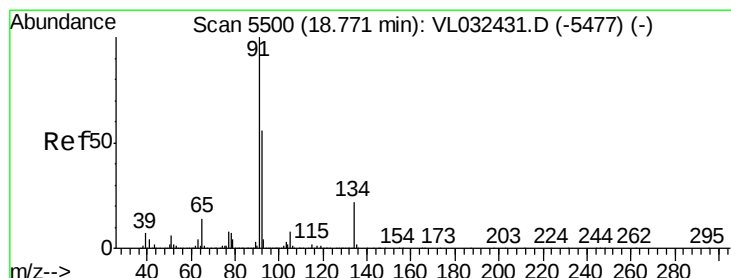
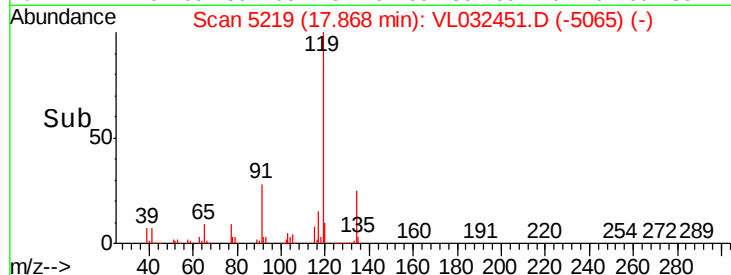
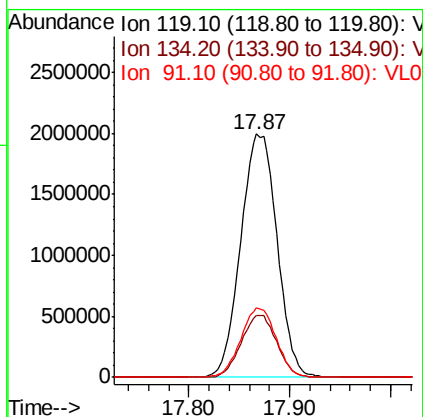
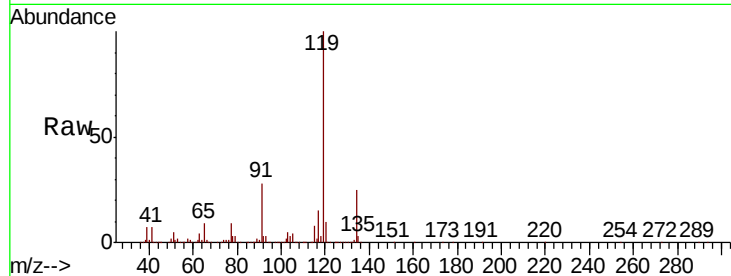




#69
 p-Isopropyltoluene
 Concen: 8.260 ppbv
 RT: 17.87 min Scan# 5219
 Delta R.T. -0.01 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

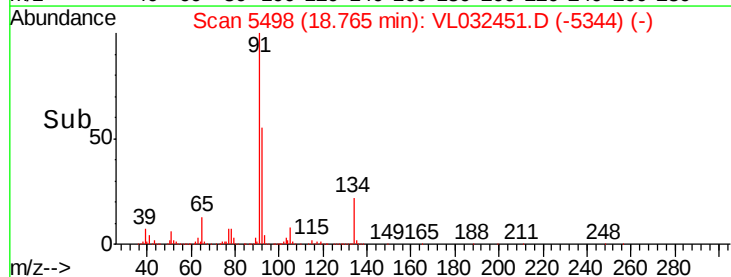
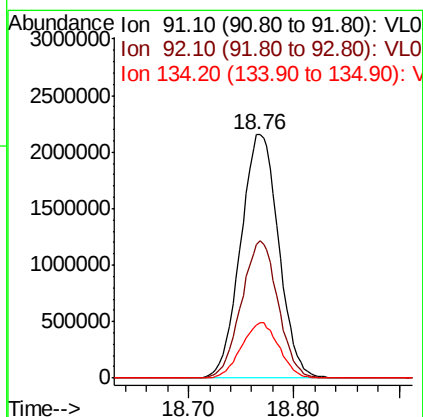
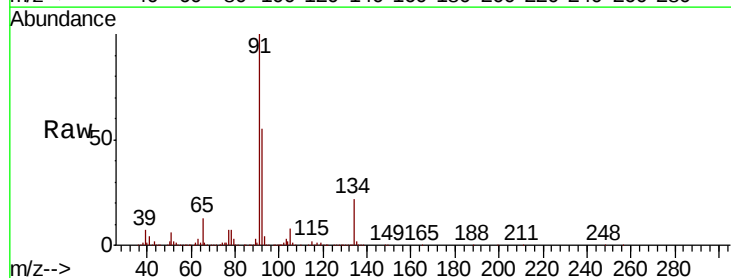
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

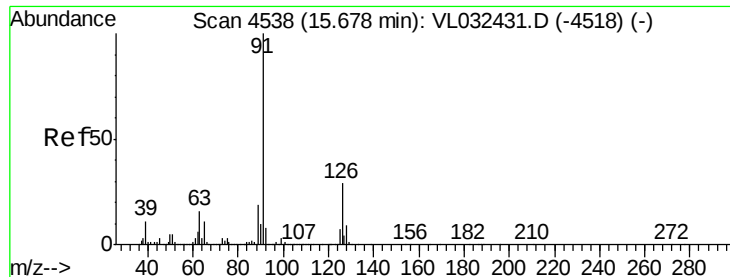
Tgt Ion: 119 Resp: 4978303
 Ion Ratio Lower Upper
 119 100
 134 25.0 20.4 30.6
 91 27.7 23.4 35.2



#70
 n-Butylbenzene
 Concen: 7.885 ppbv
 RT: 18.76 min Scan# 5498
 Delta R.T. -0.01 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion: 91 Resp: 5386912
 Ion Ratio Lower Upper
 91 100
 92 54.5 43.8 65.8
 134 22.4 17.4 26.0





#71

2-Chlorotoluene

Concen: 8.499 ppbv

RT: 15.67 min Scan# 4536

Delta R.T. -0.01 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

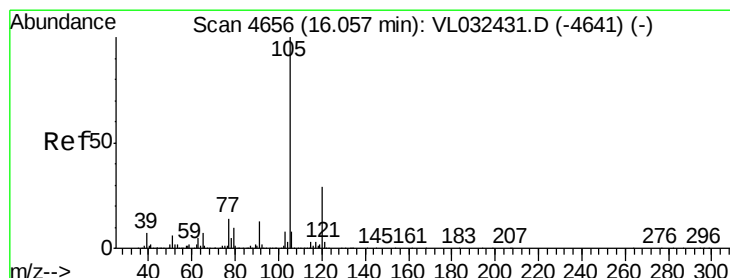
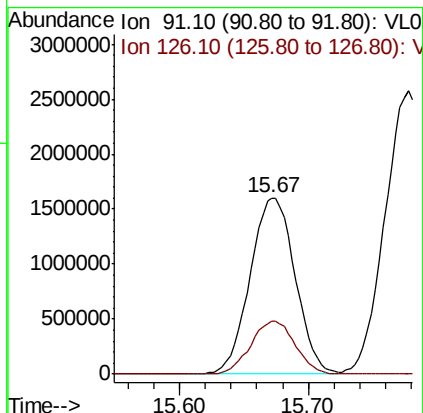
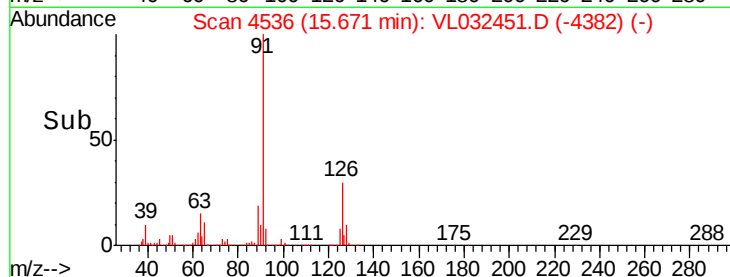
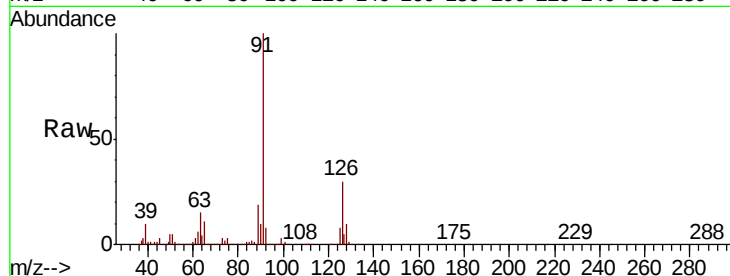
VSTDCCC010EC

Tgt Ion: 91 Resp: 3896091

Ion Ratio Lower Upper

91 100

126 29.9 11.9 47.7



#72

4-Ethyltoluene

Concen: 8.936 ppbv

RT: 16.05 min Scan# 4655

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Tgt Ion: 105 Resp: 4164239

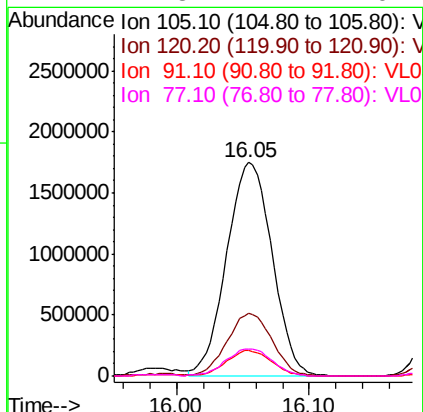
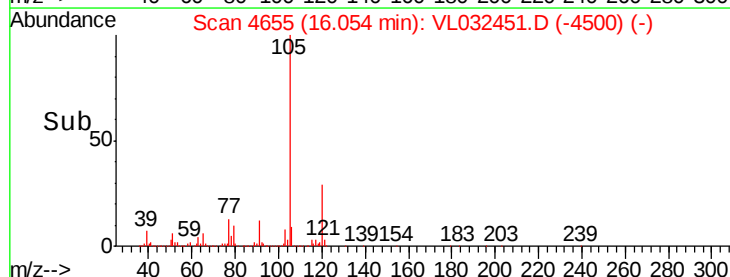
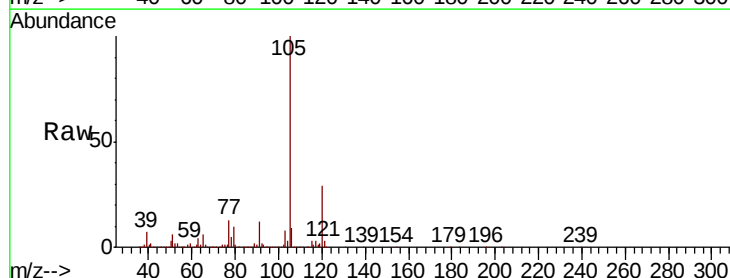
Ion Ratio Lower Upper

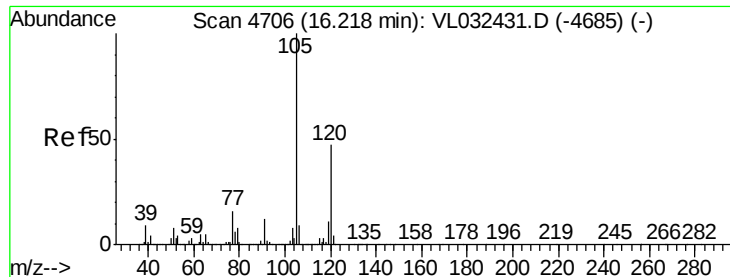
105 100

120 29.2 23.5 35.3

91 11.8 10.2 15.2

77 12.8 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.381 ppbv

RT: 16.21 min Scan# 4705

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

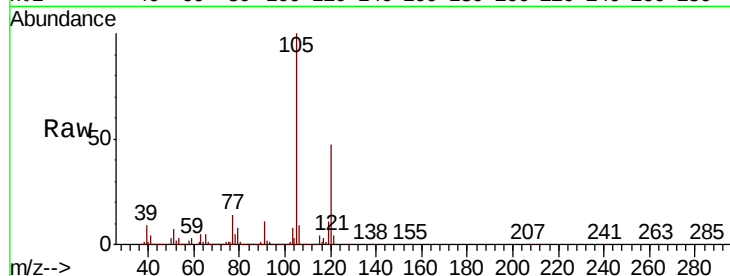
VSTDCCC010EC

Tgt Ion:105 Resp: 3913381

Ion Ratio Lower Upper

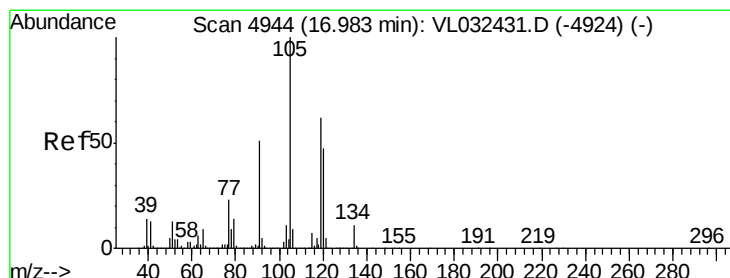
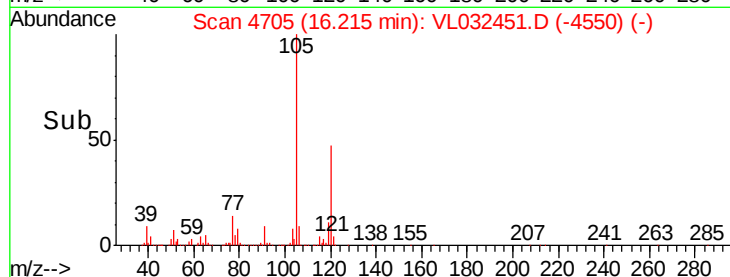
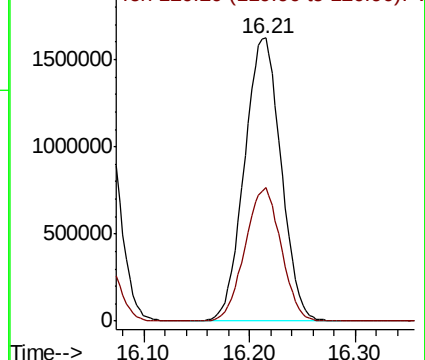
105 100

120 47.4 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: 7.522 ppbv

RT: 16.98 min Scan# 4944

Delta R.T. 0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Tgt Ion:105 Resp: 3839679

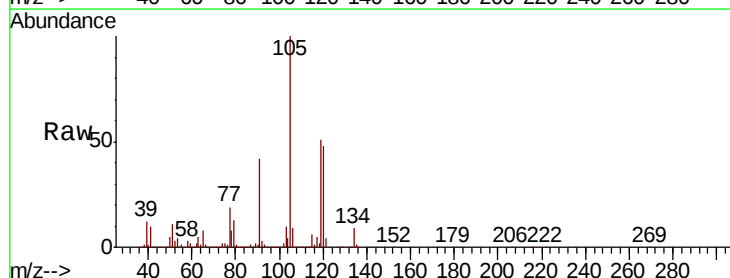
Ion Ratio Lower Upper

105 100

120 47.9 37.8 56.8

91 41.4 41.4 62.0

77 18.9 18.6 28.0

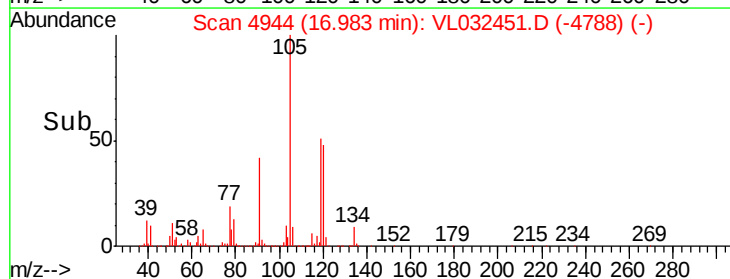
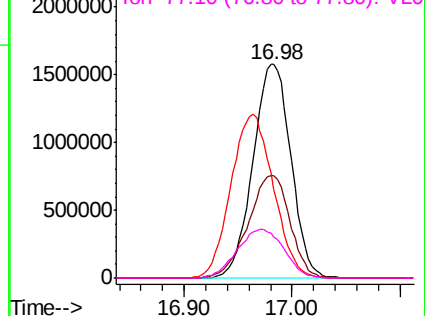


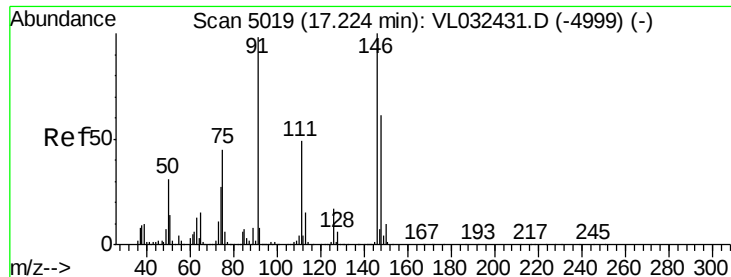
Abundance Ion 105.10 (104.80 to 105.80): V

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: 7.141 ppbv

RT: 17.22 min Scan# 5018

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

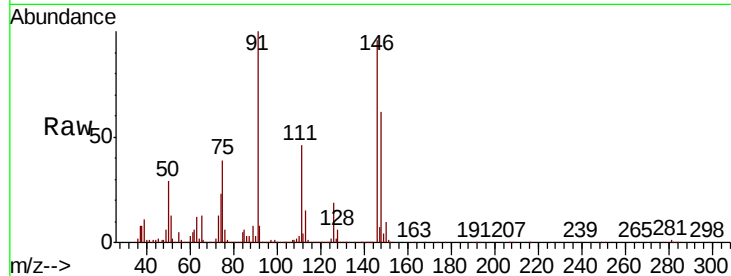
Tgt Ion:146 Resp: 2162937

Ion Ratio Lower Upper

146 100

111 47.4 24.5 73.5

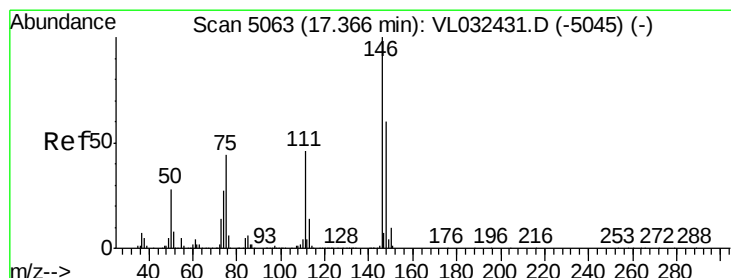
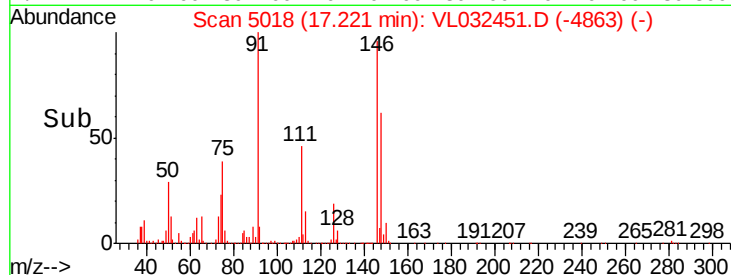
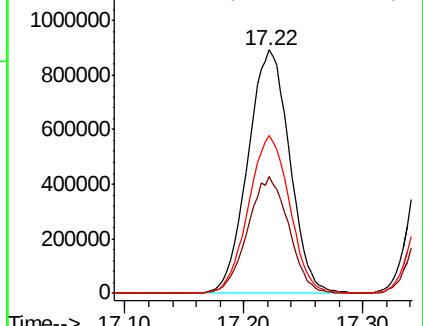
148 64.2 32.0 96.2



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: 7.918 ppbv

RT: 17.36 min Scan# 5062

Delta R.T. -0.00 min

Lab File: VL032451.D

Acq: 31 Aug 2018 22:16

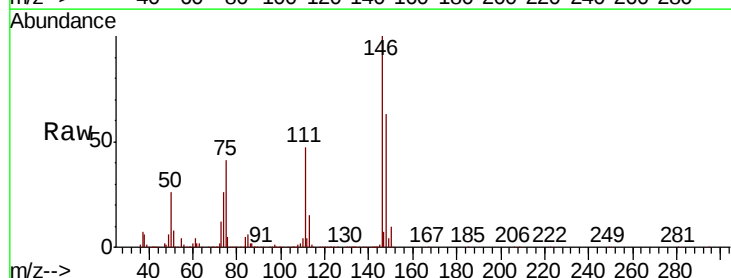
Tgt Ion:146 Resp: 2225130

Ion Ratio Lower Upper

146 100

111 46.5 23.4 70.2

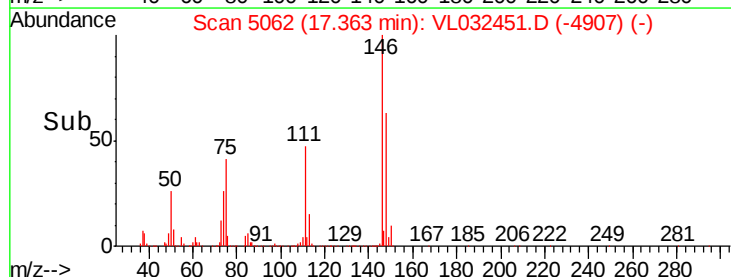
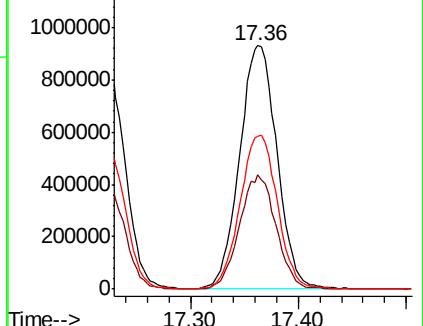
148 63.9 32.0 96.2

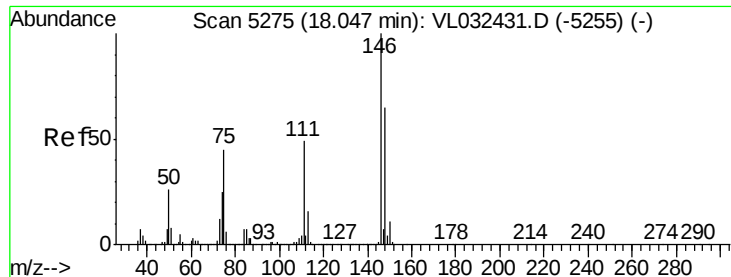


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

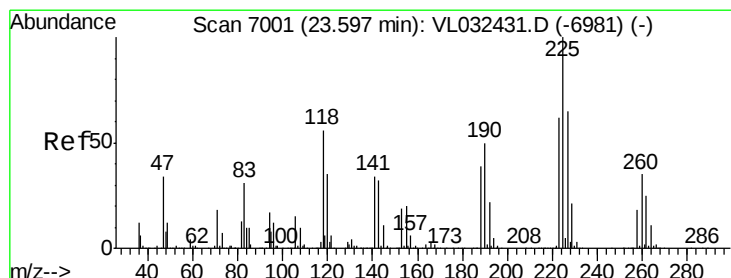
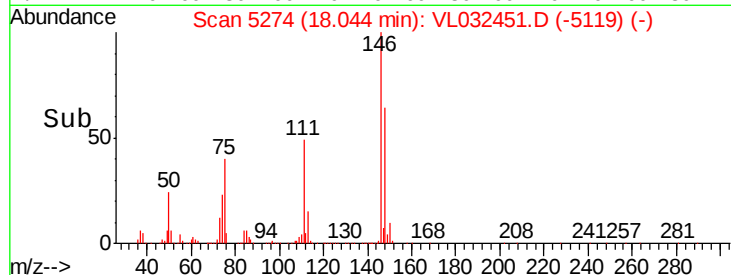
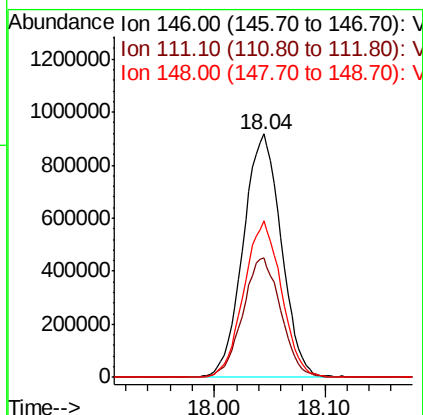
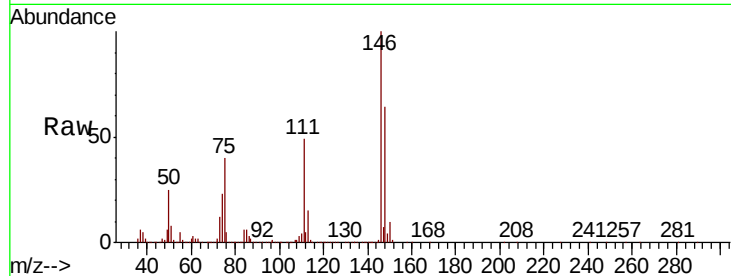




#77
 1,2-Dichlorobenzene
 Concen: 7.506 ppbv
 RT: 18.04 min Scan# 5274
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

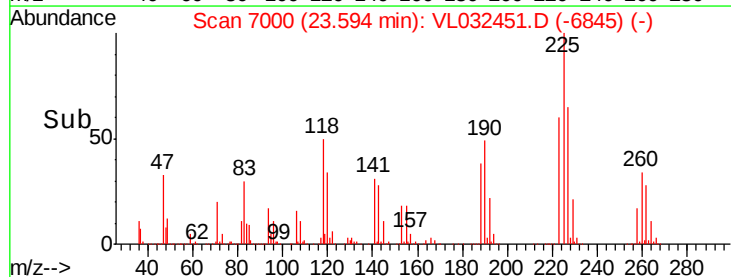
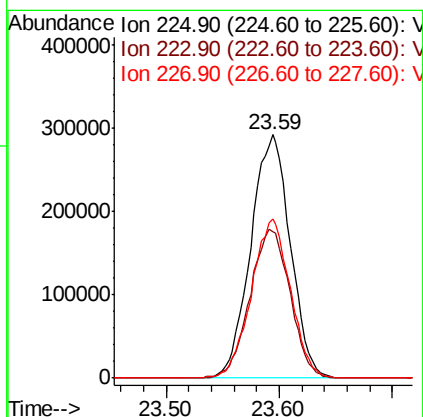
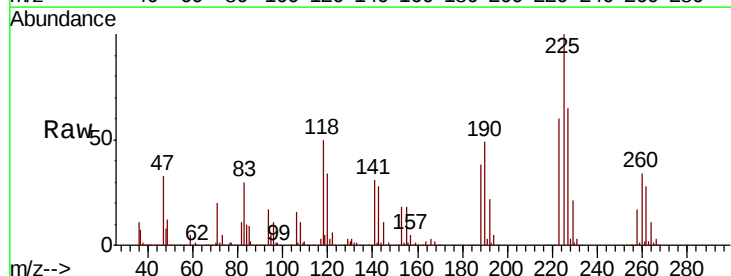
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

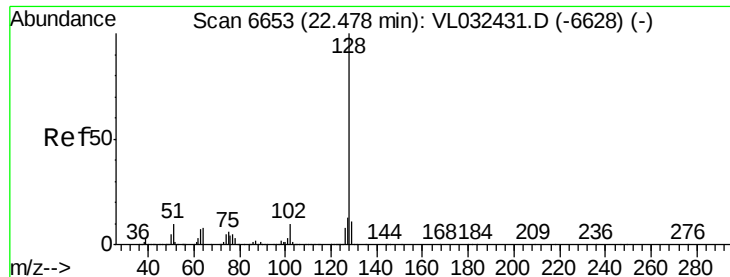
Tgt Ion:146 Resp: 2193319
 Ion Ratio Lower Upper
 146 100
 111 49.0 24.9 74.8
 148 63.7 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.475 ppbv
 RT: 23.59 min Scan# 7000
 Delta R.T. -0.00 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Tgt Ion:225 Resp: 707005
 Ion Ratio Lower Upper
 225 100
 223 62.2 50.6 76.0
 227 64.5 51.2 76.8

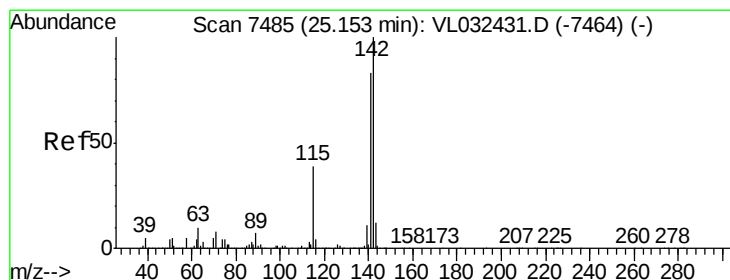
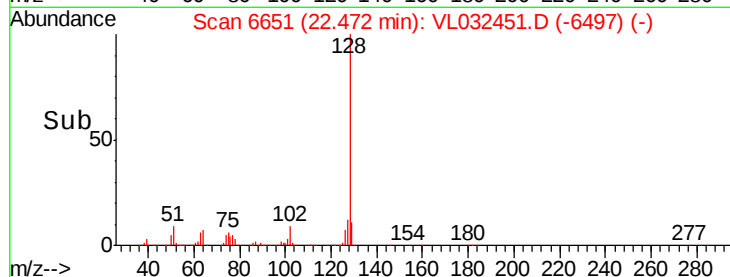
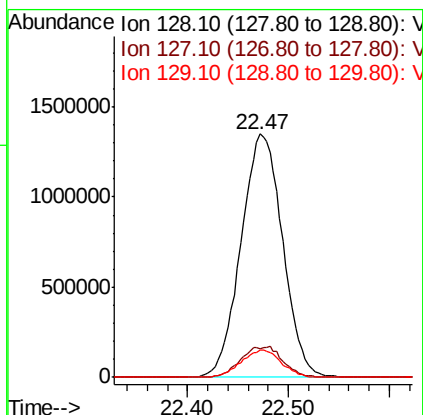
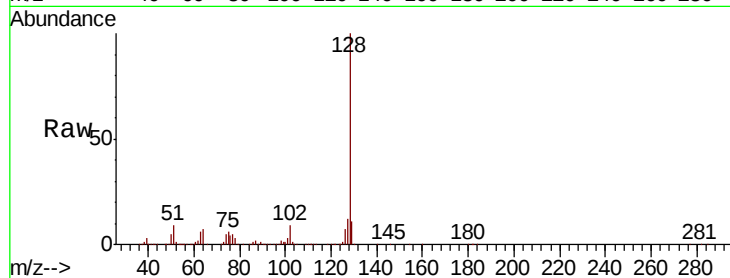




#79
Naphthalene
Concen: 9.287 ppbv
RT: 22.47 min Scan# 6651
Delta R.T. -0.01 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

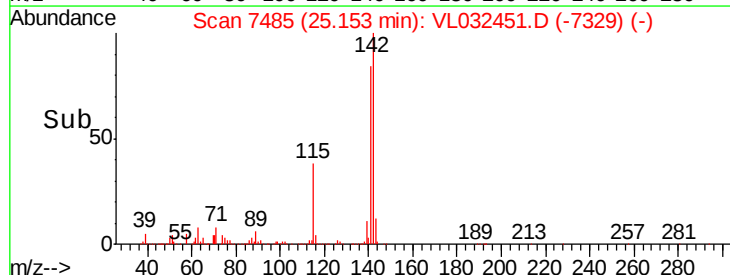
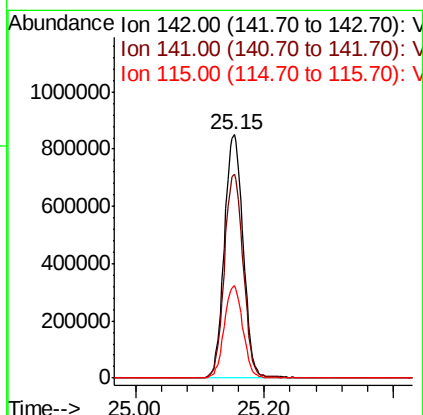
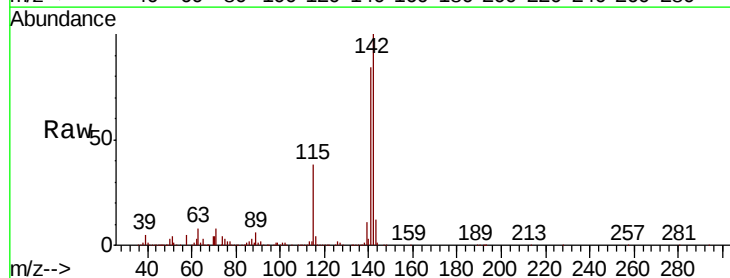
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

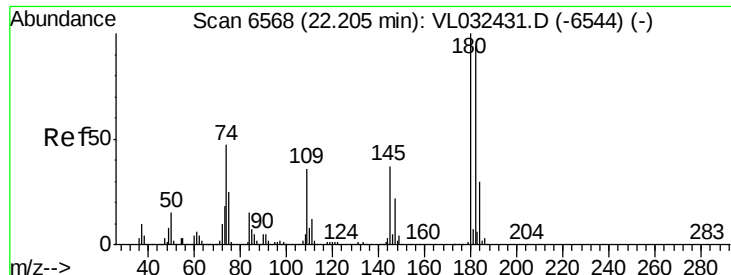
Tgt Ion:128 Resp: 3854938
Ion Ratio Lower Upper
128 100
127 11.8 10.2 15.2
129 11.4 8.5 12.7



#80
Naphthalene, 2-methyl-
Concen: 15.757 ppbv
RT: 25.15 min Scan# 7485
Delta R.T. 0.00 min
Lab File: VL032451.D
Acq: 31 Aug 2018 22:16

Tgt Ion:142 Resp: 1740291
Ion Ratio Lower Upper
142 100
141 83.8 67.0 100.6
115 37.3 31.3 46.9





#81
 1,2,4-Trichlorobenzene
 Concen: 8.457 ppbv
 RT: 22.20 min Scan# 6565
 Delta R.T. -0.01 min
 Lab File: VL032451.D
 Acq: 31 Aug 2018 22:16

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1767953
 Ion Ratio Lower Upper
 180 100
 182 96.4 76.1 114.1
 184 31.0 23.8 35.8

