

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041619\
 Data File : VL033597.D
 Acq On : 16 Apr 2019 18:08
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Apr 17 08:32:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 26 16:00:50 2019
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	835980	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2005437	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2238537m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1674636	9.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	879044	7.210	ppbv	95
3) Chlorodifluoromethane	3.01	51	844220	8.772	ppbv	100
4) Chloromethane	3.17	50	450139	8.838	ppbv	99
5) Vinyl Chloride	3.29	62	455050	9.094	ppbv	99
6) Bromomethane	3.52	94	302352	9.402	ppbv	94
7) Chloroethane	3.60	64	171913	9.231	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1167161	8.984	ppbv	99
9) Propene	3.04	41	360868	8.928	ppbv	99
10) Heptane	8.25	43	962887	8.912	ppbv	100
11) Trichlorofluoromethane	4.00	101	1382837	9.203	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	927845	9.193	ppbv	99
13) Ethanol	3.65	45	116685	11.156	ppbv	66
14) Bromoethene	3.79	108	378588	9.405	ppbv	98
15) Acetone	3.90	43	859429	8.550	ppbv	99
16) 1,3-Butadiene	3.36	39	413033	10.360	ppbv	92
17) tert-Butyl alcohol	4.35	59	180094	9.744	ppbv	100
18) 1,1-Dichloroethene	4.35	96	411286	9.487	ppbv	97
19) Isopropyl Alcohol	4.02	45	654812	10.299	ppbv	# 98
20) Methylene Chloride	4.41	84	354235	8.302	ppbv	96
21) Allyl Chloride	4.48	41	606735	9.549	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	422583	9.343	ppbv	97
23) Vinyl Acetate	5.16	43	1306318	9.131	ppbv	99
24) 1,1-Dichloroethane	5.09	63	925826	8.519	ppbv	100
25) Ethyl Acetate	5.77	43	1610075	8.633	ppbv	100
26) Hexane	5.78	57	717241	8.650	ppbv	99
27) Carbon Disulfide	4.62	76	1023988	10.384	ppbv	98
28) Methyl tert-Butyl Ether	5.11	73	1059457	8.871	ppbv	100
29) Chloroform	5.85	83	1247066	8.773	ppbv	99
30) Cyclohexane	7.25	84	613588	9.353	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	747462	9.066	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1235240	9.126	ppbv	100
34) 2-Butanone	5.33	43	1040566	8.636	ppbv	100
35) Carbon Tetrachloride	7.13	117	1356935	9.553	ppbv	98
36) Benzene	7.01	78	1523351	9.053	ppbv	97
37) 1,2-Dichloroethane	6.42	62	956799	8.483	ppbv	100
38) Trichloroethene	7.96	130	625443	9.876	ppbv	99
39) 1,2-Dichloropropane	7.73	63	559746	8.492	ppbv	99
40) 1,4-Dioxane	7.96	88	241665	10.279	ppbv	# 1
41) Tetrahydrofuran	6.15	42	585271	8.831	ppbv	98
42) Bromodichloromethane	7.92	83	1389108	9.043	ppbv	99
43) Methyl Methacrylate	8.14	69	624784	9.144	ppbv	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.99	57	2621142	8.914	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	854077	10.181	ppbv	98
46) cis-1,3-Dichloropropene	8.84	75	953692	9.735	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	654756	8.748	ppbv	99
48) Dibromochloromethane	10.45	129	1226077	9.711	ppbv	99
49) Bromoform	13.20	173	1123397	9.314	ppbv	99
50) 4-Methyl-2-Pentanone	8.87	43	1580672	8.959	ppbv	99
51) 2-Hexanone	10.27	43	1265941	9.619	ppbv #	100
52) Tetrachloroethene	11.37	164	598610	9.429	ppbv	96
53) Toluene	9.95	91	1852303	9.473	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1052832	8.993	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.28	131	851911	8.304	ppbv #	59
57) Chlorobenzene	12.30	112	1429169	8.222	ppbv	95
58) Ethyl Benzene	12.87	91	2633679	8.810	ppbv	100
59) m/p-Xylene	13.15	91	4548340m	17.034	ppbv	
60) o-Xylene	13.85	91	2238132	8.668	ppbv	99
61) Styrene	13.69	104	1658969	9.362	ppbv	100
62) Isopropylbenzene	14.83	105	3109306	8.504	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1549123	8.148	ppbv	99
64) n-propylbenzene	15.73	120	808939	8.719	ppbv	98
65) tert-Butylbenzene	16.91	119	2871850	8.913	ppbv	99
66) Benzyl Chloride	17.16	91	1598730	10.671	ppbv	99
67) sec-Butylbenzene	17.46	105	4016531	8.766	ppbv	100
69) p-Isopropyltoluene	17.82	119	3352301	8.986	ppbv	100
70) n-Butylbenzene	18.72	91	3503574	8.863	ppbv	99
71) 2-Chlorotoluene	15.62	91	2404755	8.649	ppbv	99
72) 4-Ethyltoluene	16.00	105	2580441	8.891	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	2506993	9.026	ppbv	98
74) 1,2,4-Trimethylbenzene	16.93	105	2651177	8.906	ppbv	96
75) 1,3-Dichlorobenzene	17.17	146	1572207	8.545	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1548435	8.637	ppbv	100
77) 1,2-Dichlorobenzene	17.99	146	1512145	8.662	ppbv	100
78) Hexachloro-1,3-Butadiene	23.54	225	1143656	9.896	ppbv	99
79) Naphthalene	22.41	128	2566079	10.070	ppbv	98
80) Naphthalene, 2-methyl-	25.11	142	1189272	13.906	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1348088	9.537	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

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VSTDCCC010EC

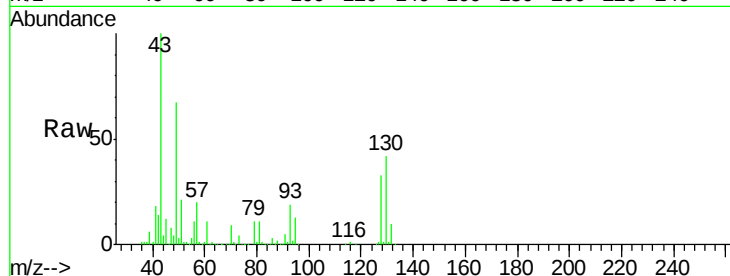
Tot Ion: 49 Resp: 835980

Ion Ratio Lower Upper

49 100

128 49.2 24.0 72.0

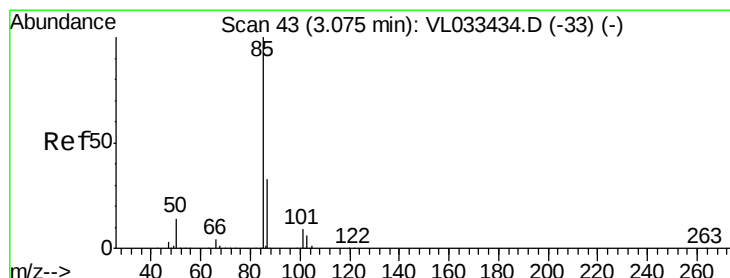
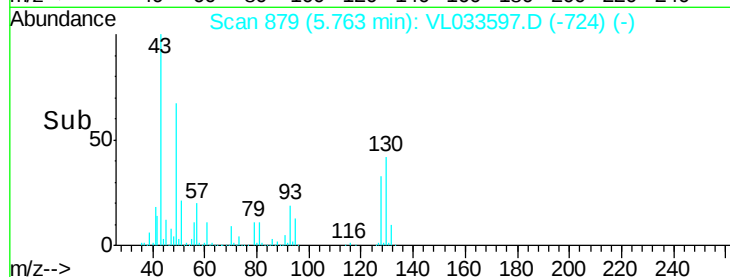
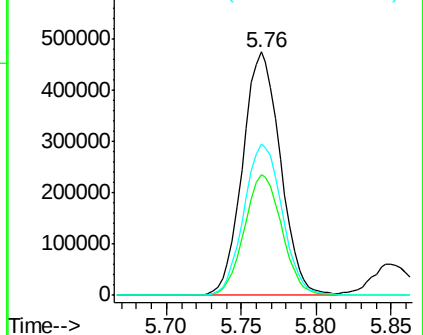
130 63.2 31.2 93.6



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.210 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033597.D

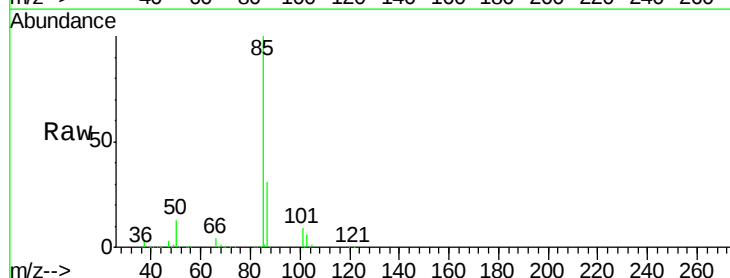
Acq: 16 Apr 2019 18:08

Tgt Ion: 85 Resp: 879044

Ion Ratio Lower Upper

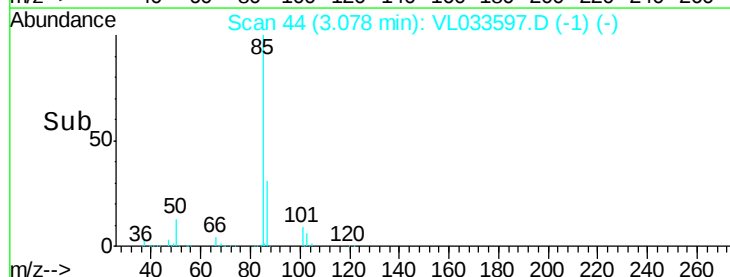
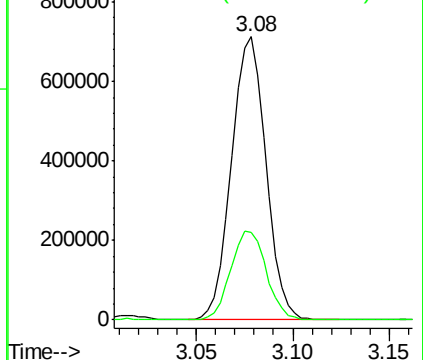
85 100

87 30.8 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.772 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :

MSVOA_L

ClientSampleId :

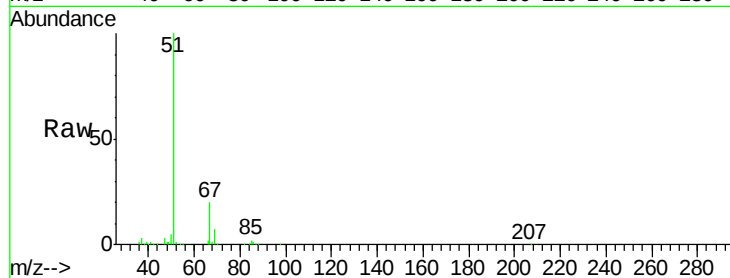
VSTDCCC010EC

Tot Ion: 51 Resp: 844220

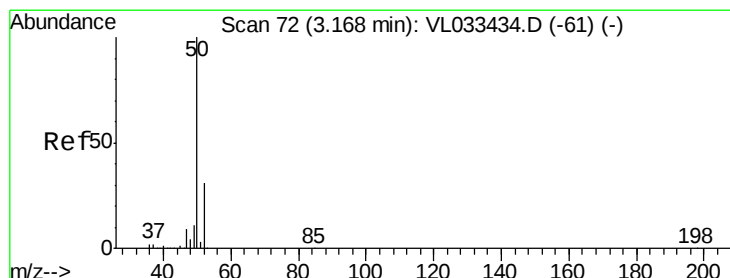
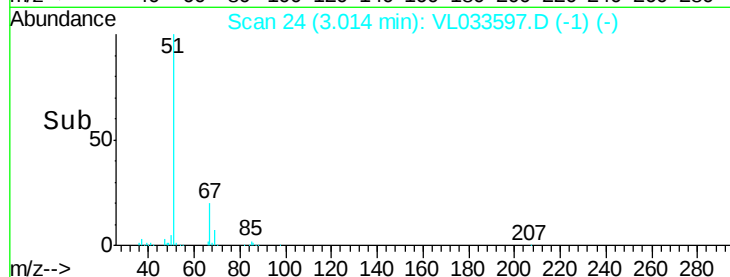
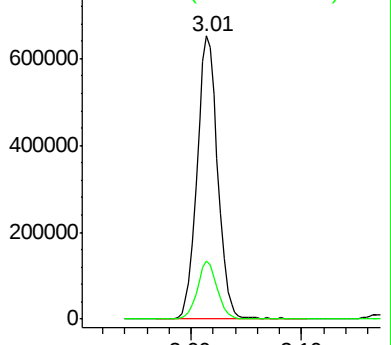
Ion Ratio Lower Upper

51 100

67 19.8 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.838 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.00 min

Lab File: VL033597.D

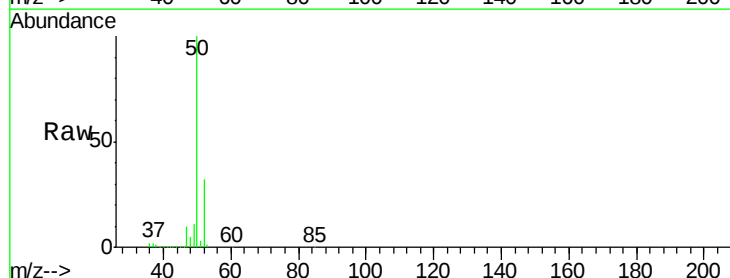
Acq: 16 Apr 2019 18:08

Tgt Ion: 50 Resp: 450139

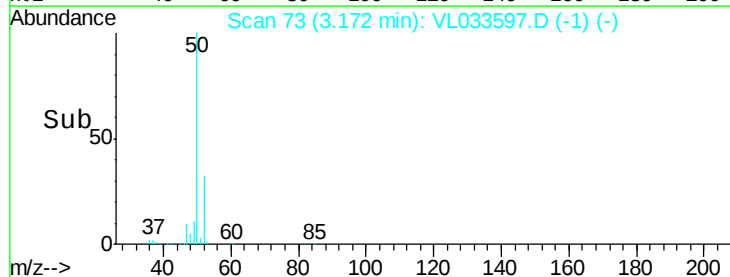
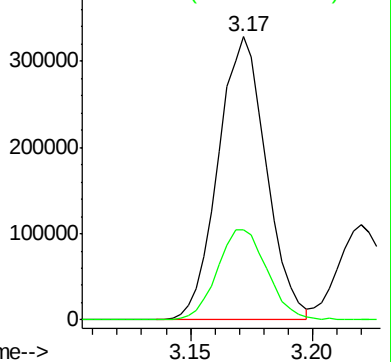
Ion Ratio Lower Upper

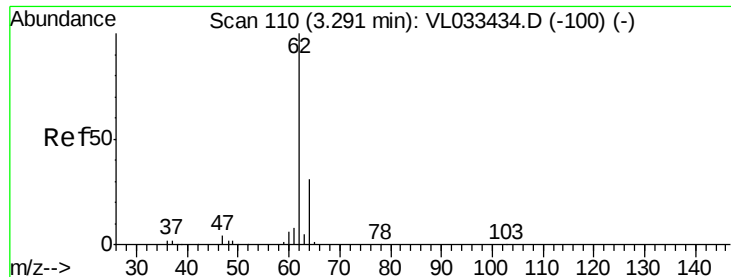
50 100

52 32.0 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.094 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :

MSVOA_L

ClientSampleId :

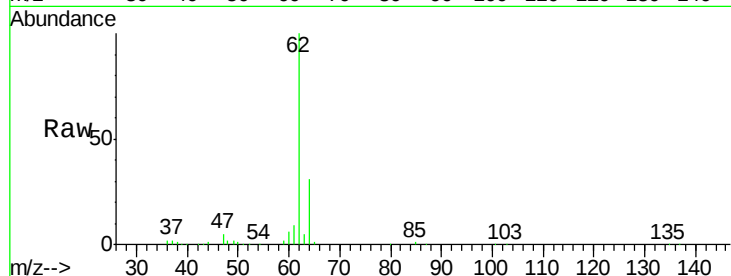
VSTDCCC010EC

Tot Ion: 62 Resp: 455050

Ion Ratio Lower Upper

62 100

64 31.4 24.9 37.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.29

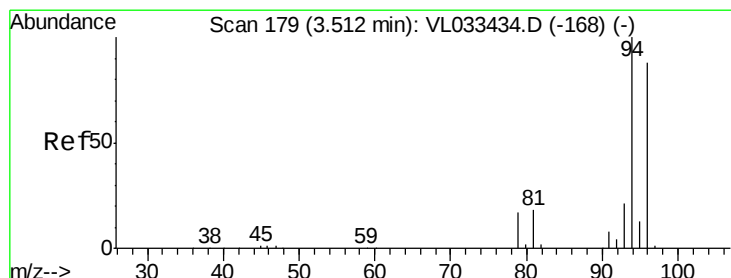
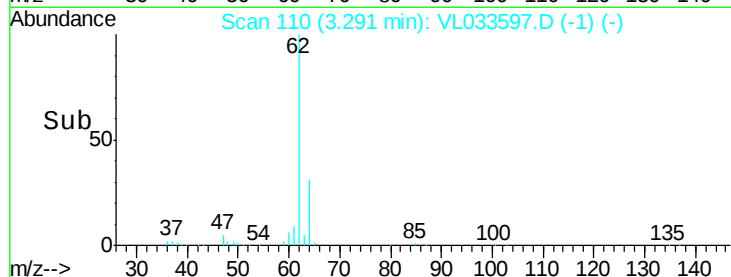
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.402 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033597.D

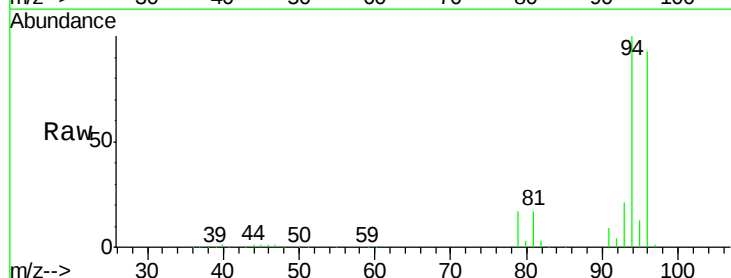
Acq: 16 Apr 2019 18:08

Tgt Ion: 94 Resp: 302352

Ion Ratio Lower Upper

94 100

96 93.2 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.52

250000

200000

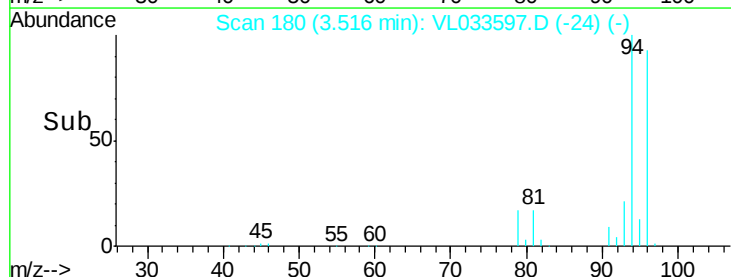
150000

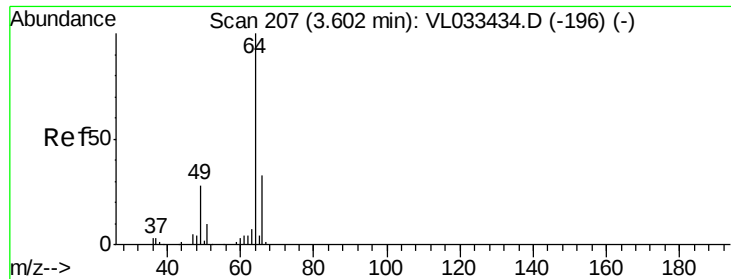
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.231 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :

MSVOA_L

ClientSampleId :

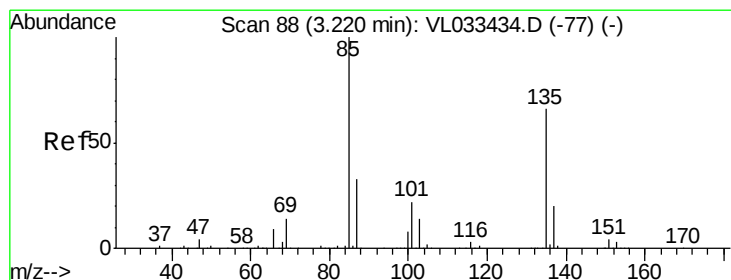
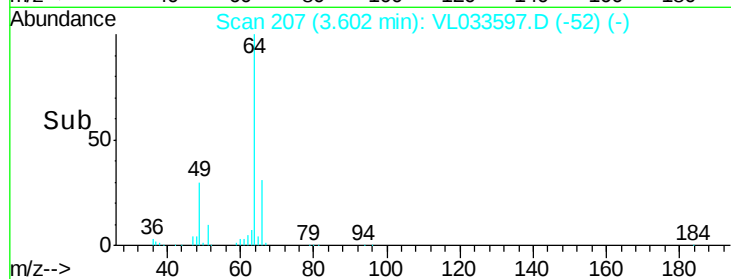
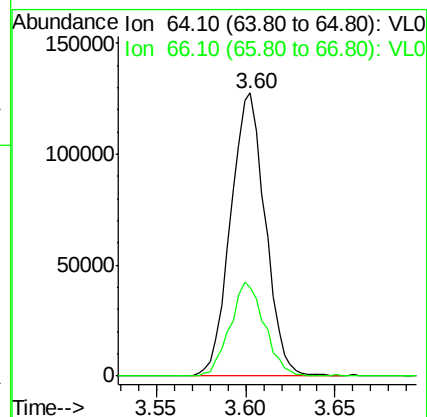
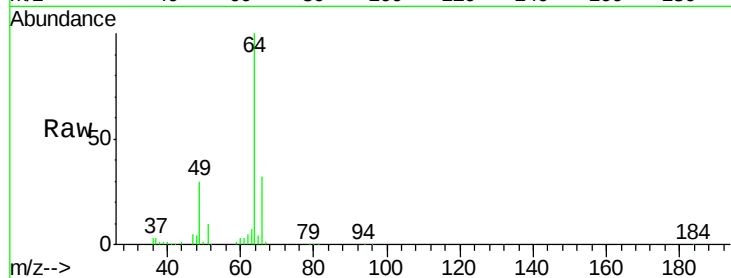
VSTDCCC010EC

Tot Ion: 64 Resp: 171913

Ion Ratio Lower Upper

64 100

66 31.6 26.7 40.1



#8

Dichlorotetrafluoroethane

Concen: 8.984 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033597.D

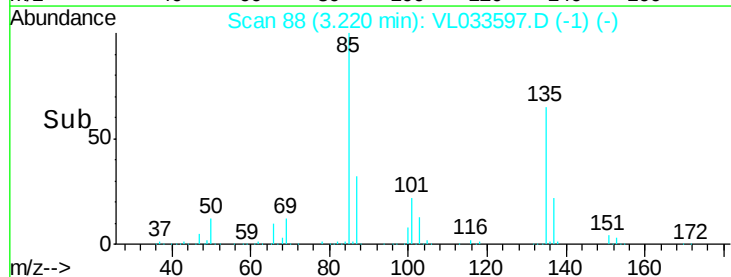
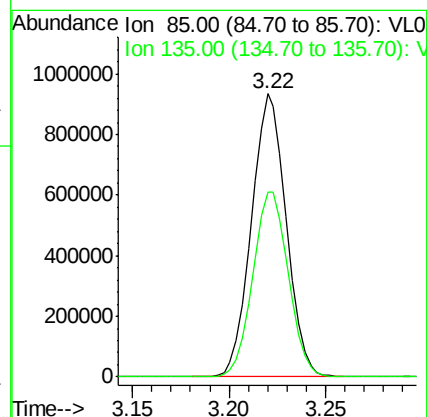
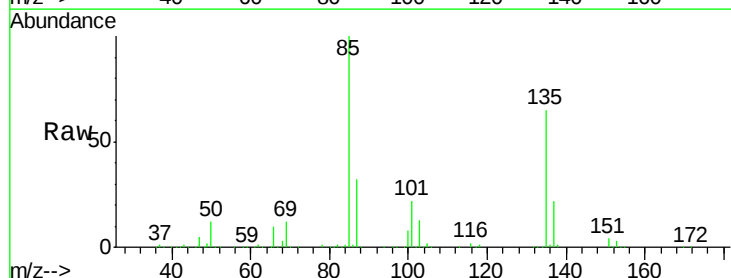
Acq: 16 Apr 2019 18:08

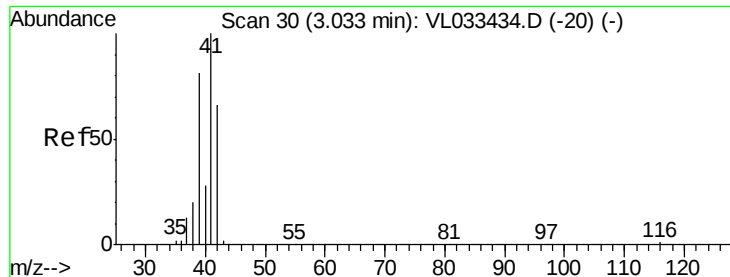
Tgt Ion: 85 Resp: 1167161

Ion Ratio Lower Upper

85 100

135 67.0 54.0 81.0





#9

Propene

Concen: 8.928 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :

MSVOA_L

ClientSampleId :

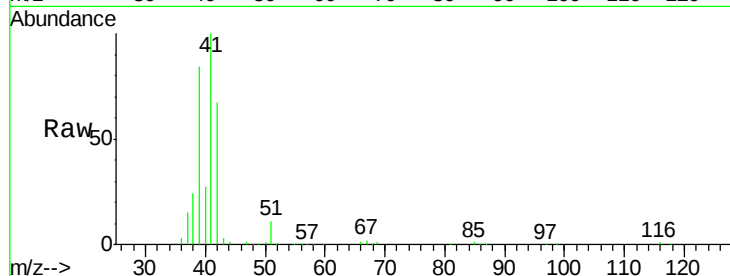
VSTDCCC010EC

Tot Ion: 41 Resp: 360868

Ion Ratio Lower Upper

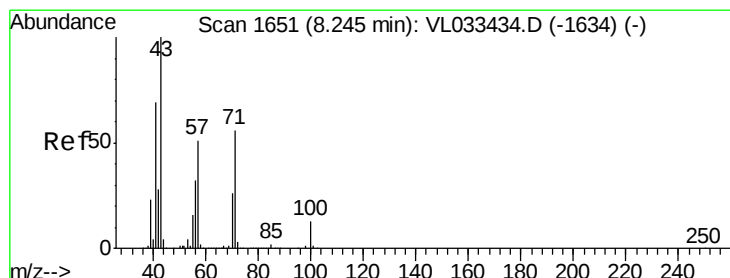
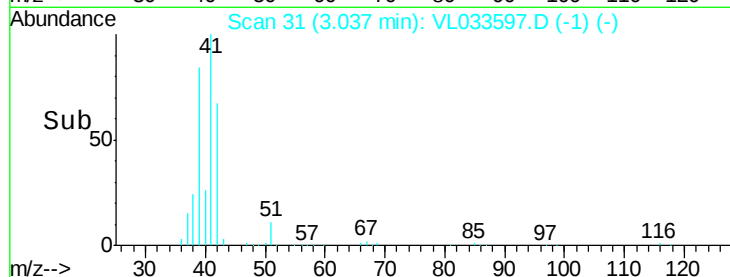
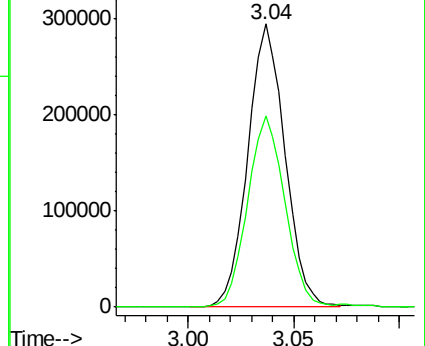
41 100

42 68.5 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 8.912 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VL033597.D

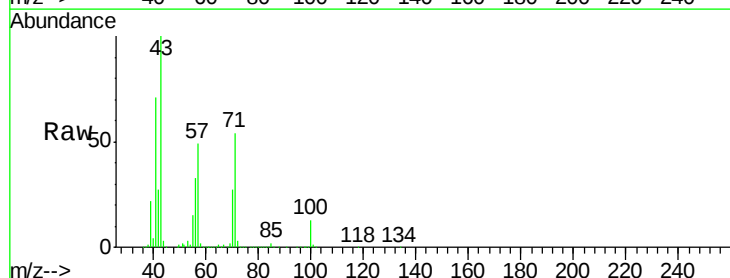
Acq: 16 Apr 2019 18:08

Tgt Ion: 43 Resp: 962887

Ion Ratio Lower Upper

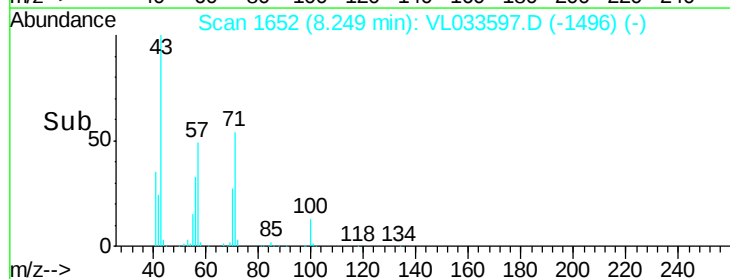
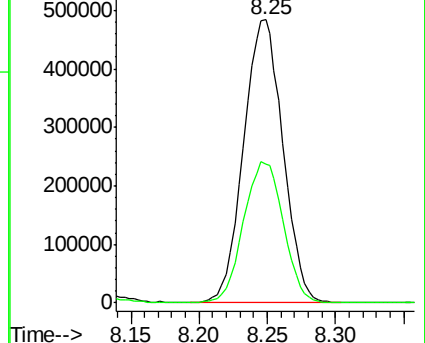
43 100

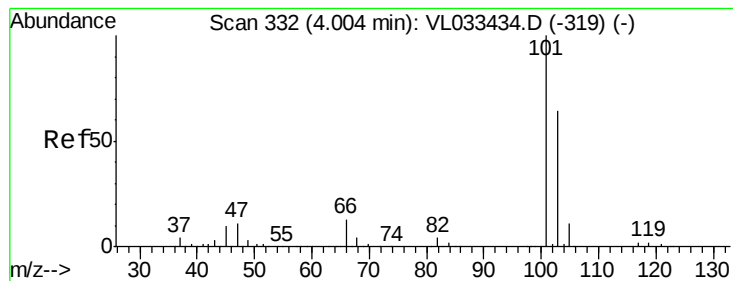
57 50.9 40.6 60.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 9.203 ppbv

RT: 4.00 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :

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ClientSampleId :

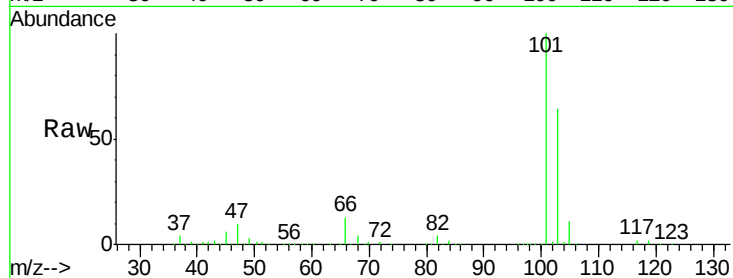
VSTDCCC010EC

Tot Ion:101 Resp: 1382837

Ion Ratio Lower Upper

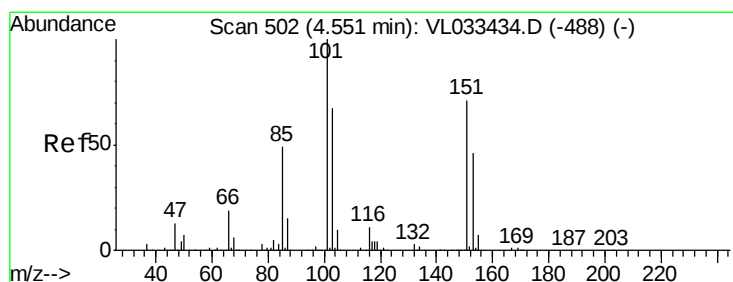
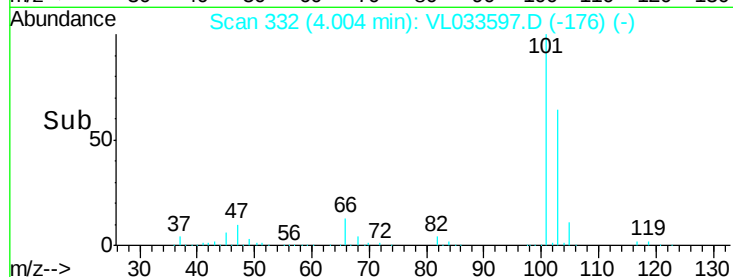
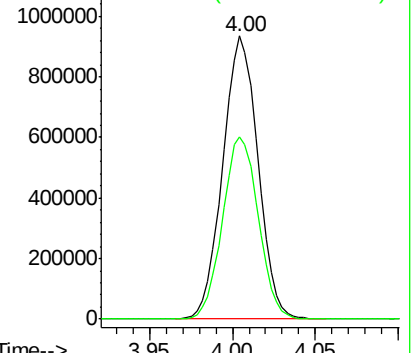
101 100

103 64.4 51.3 76.9



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: 9.193 ppbv

RT: 4.55 min Scan# 503

Delta R.T. 0.00 min

Lab File: VL033597.D

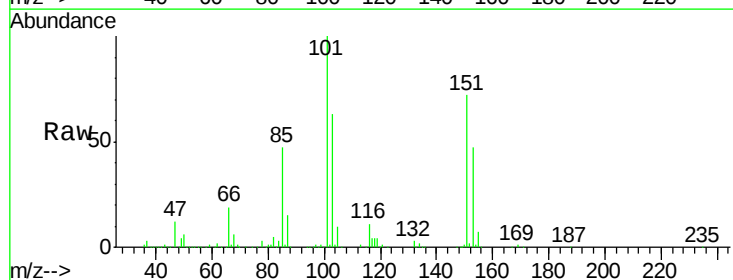
Acq: 16 Apr 2019 18:08

Tgt Ion:101 Resp: 927845

Ion Ratio Lower Upper

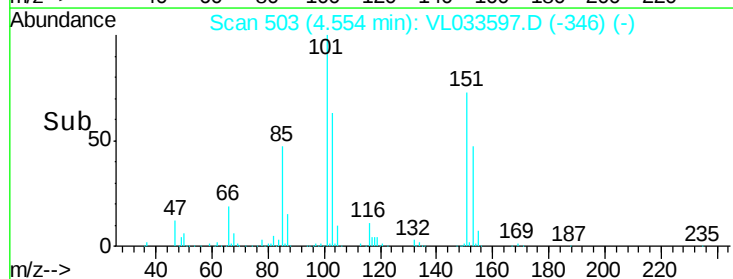
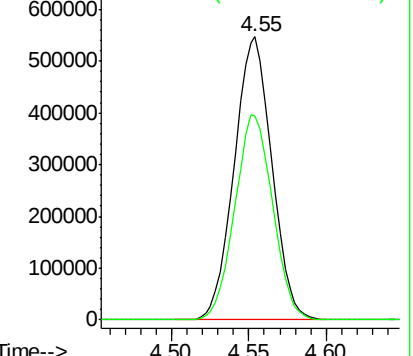
101 100

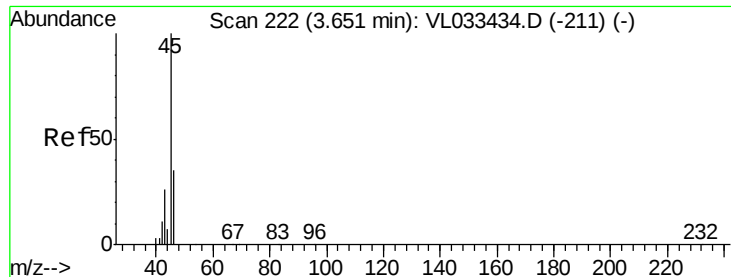
151 73.1 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 11.156 ppbv

RT: 3.65 min Scan# 221

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :

MSVOA_L

ClientSampleId :

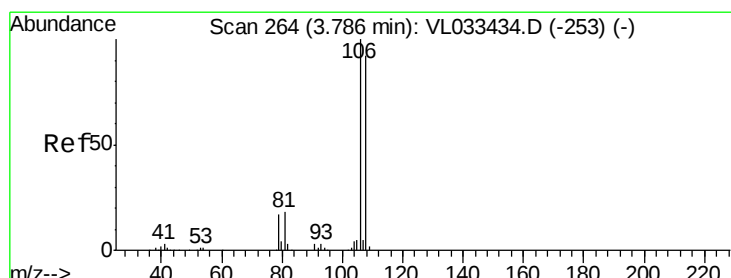
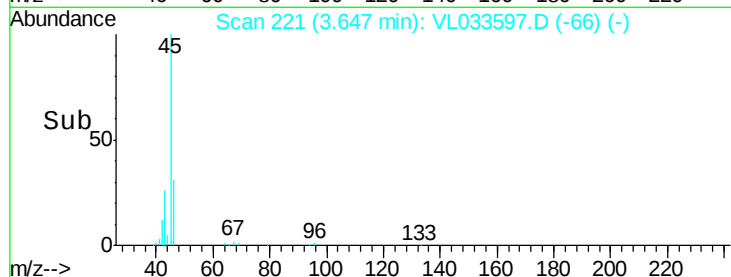
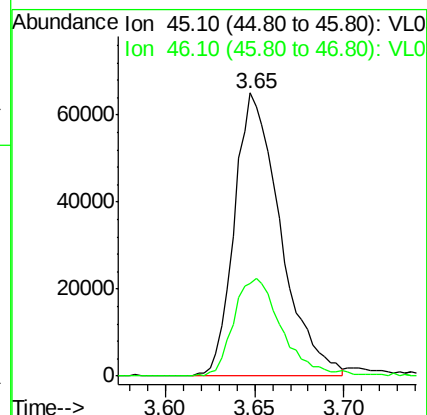
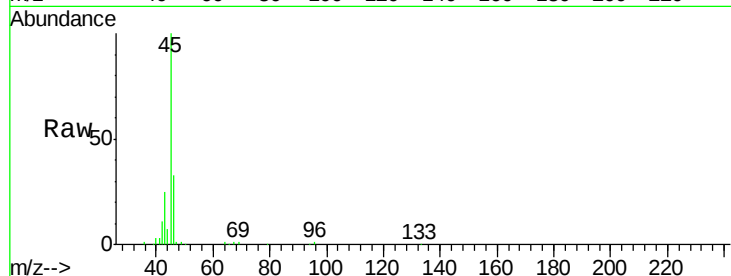
VSTDCCC010EC

Tot Ion: 45 Resp: 116685

Ion Ratio Lower Upper

45 100

46 36.8 25.4 101.8



#14

Bromoethene

Concen: 9.405 ppbv

RT: 3.79 min Scan# 265

Delta R.T. 0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

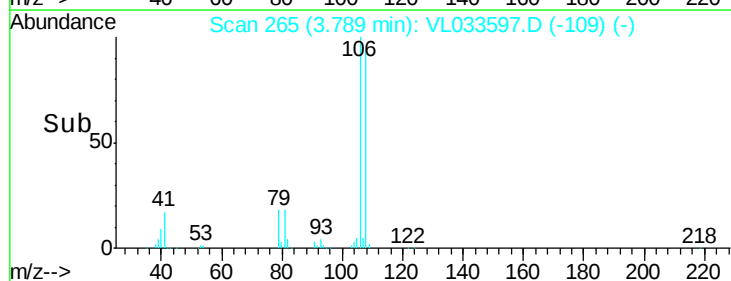
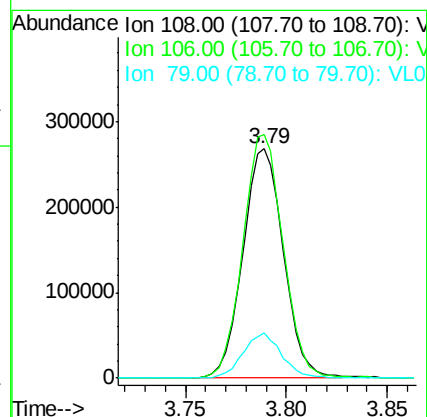
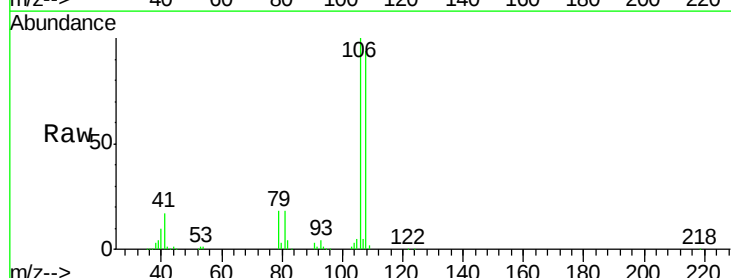
Tgt Ion: 108 Resp: 378588

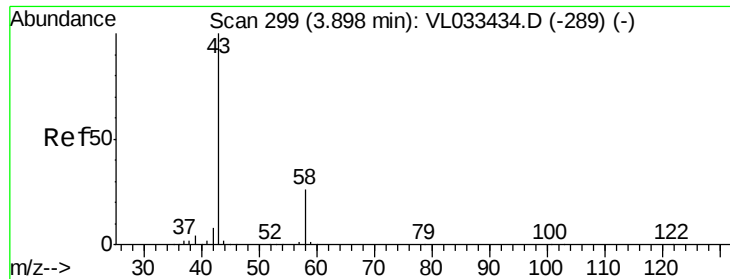
Ion Ratio Lower Upper

108 100

106 105.9 86.4 129.6

79 18.9 15.8 23.8





#15

Acetone

Concen: 8.550 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :

MSVOA_L

ClientSampleId :

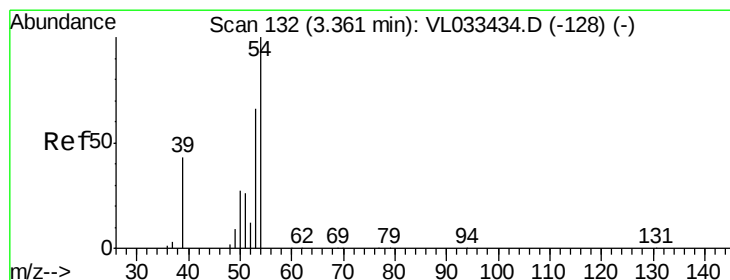
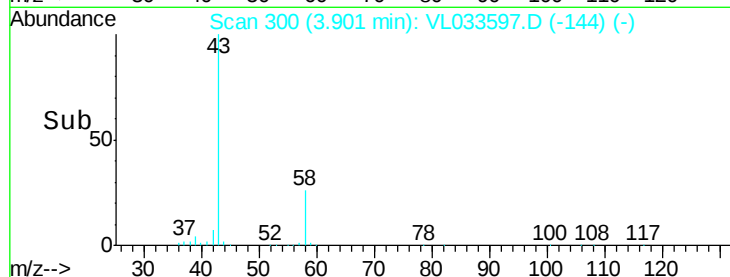
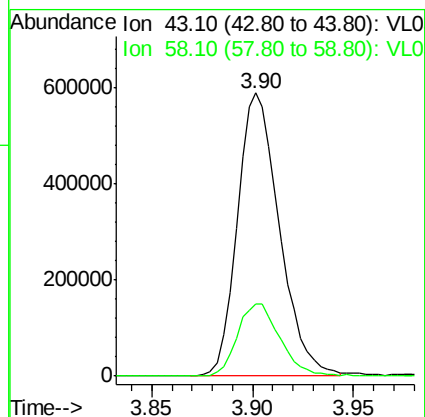
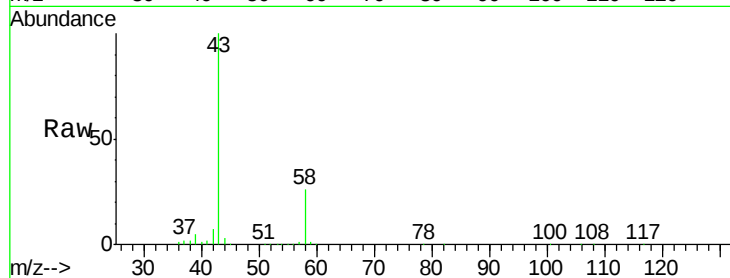
VSTDCCC010EC

Tot Ion: 43 Resp: 859429

Ion Ratio Lower Upper

43 100

58 26.1 20.5 30.7



#16

1,3-Butadiene

Concen: 10.360 ppbv

RT: 3.36 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL033597.D

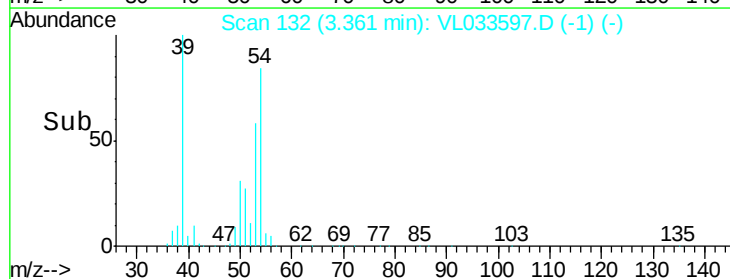
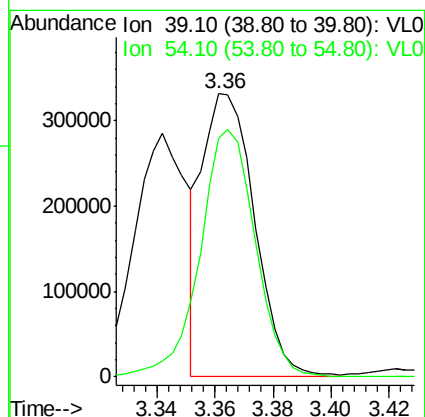
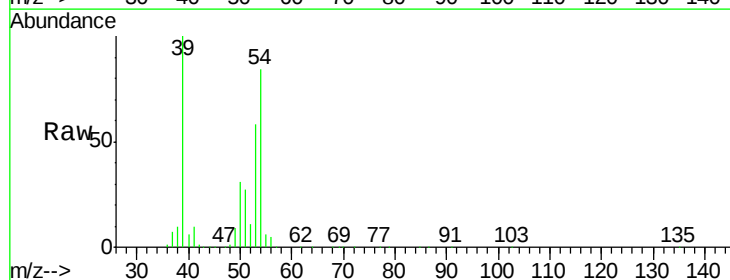
Acq: 16 Apr 2019 18:08

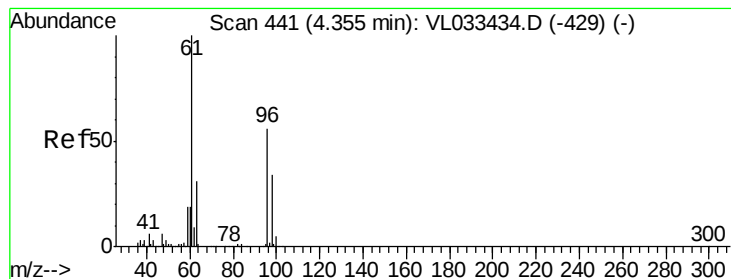
Tgt Ion: 39 Resp: 413033

Ion Ratio Lower Upper

39 100

54 93.9 69.4 104.2



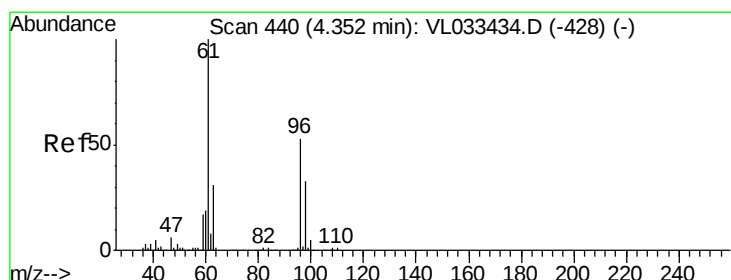
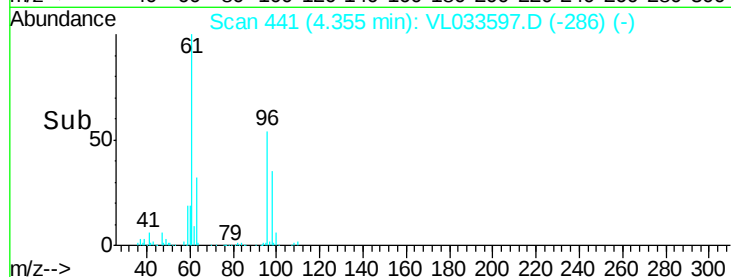
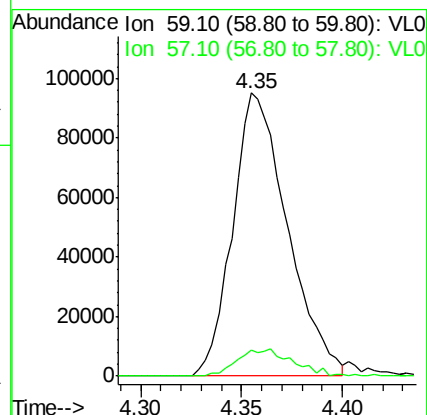
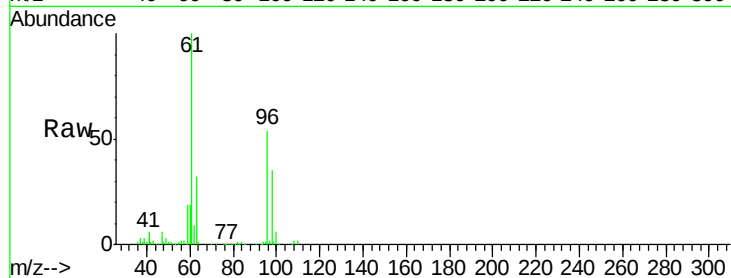


#17

tert-Butyl alcohol
 Concen: 9.744 ppbv
 RT: 4.35 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VL033597.D
 Acq: 16 Apr 2019 18:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

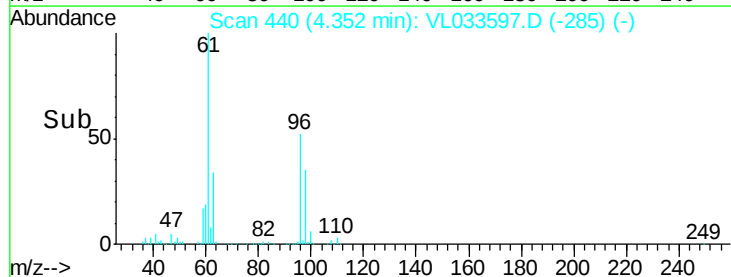
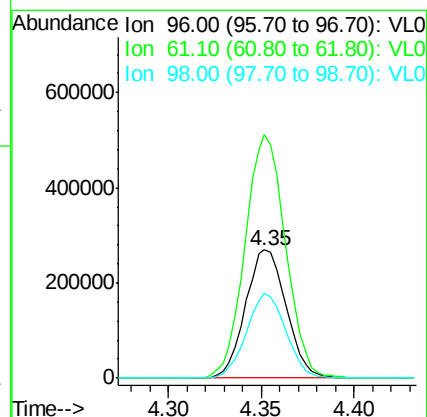
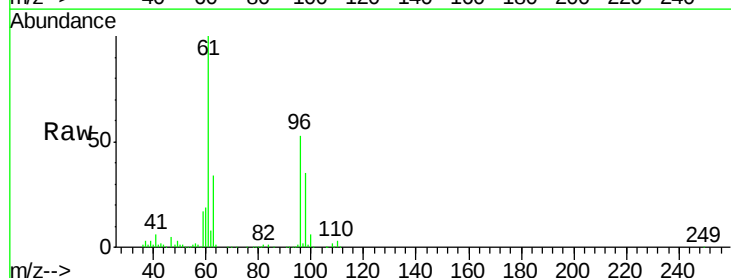
Tot Ion: 59 Resp: 180094
 Ion Ratio Lower Upper
 59 100
 57 9.9 7.8 11.8

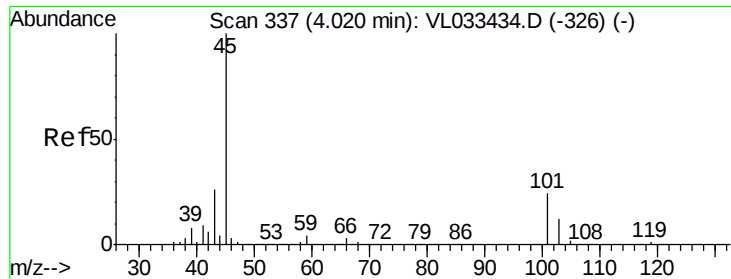


#18

1,1-Dichloroethene
 Concen: 9.487 ppbv
 RT: 4.35 min Scan# 440
 Delta R.T. -0.00 min
 Lab File: VL033597.D
 Acq: 16 Apr 2019 18:08

Tgt Ion: 96 Resp: 411286
 Ion Ratio Lower Upper
 96 100
 61 190.4 149.8 224.6
 98 66.1 48.7 73.1





#19

Isopropyl Alcohol

Concen: 10.299 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :

MSVOA_L

ClientSampleId :

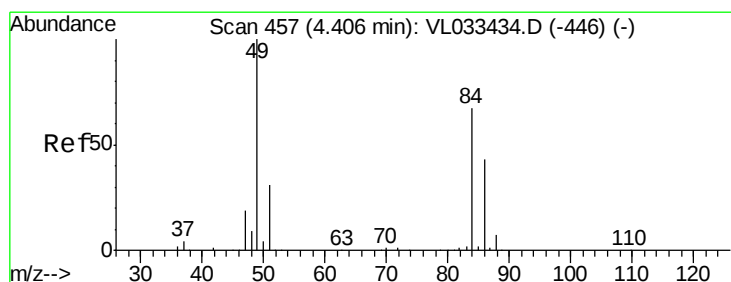
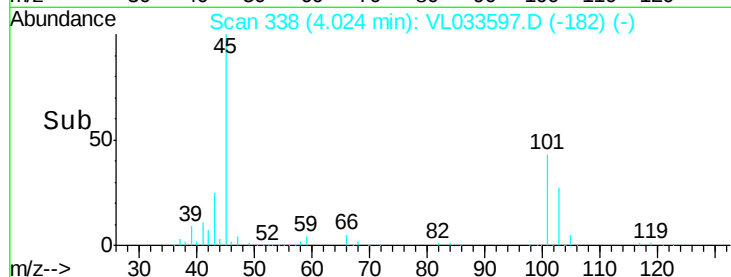
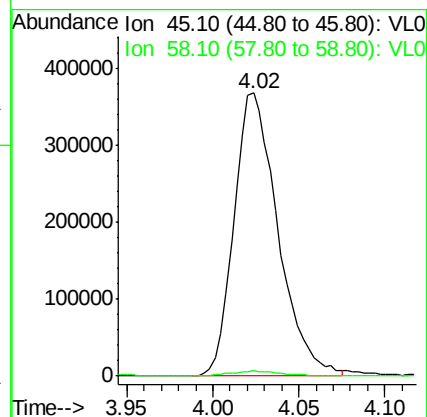
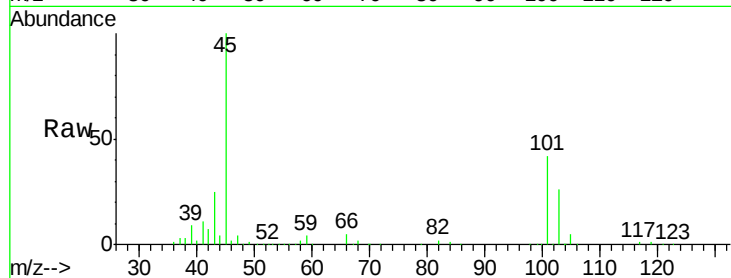
VSTDCCC010EC

Tot Ion: 45 Resp: 654812

Ion Ratio Lower Upper

45 100

58 2.4 1.4 2.2#



#20

Methylene Chloride

Concen: 8.302 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Tgt Ion: 84 Resp: 354235

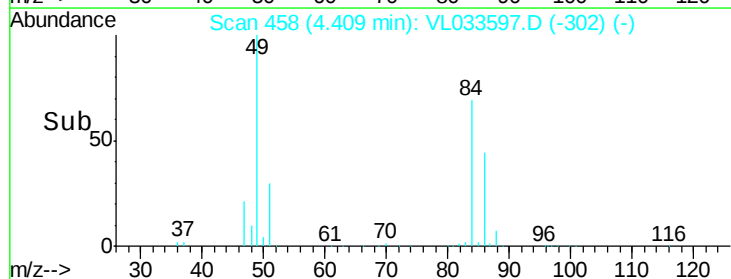
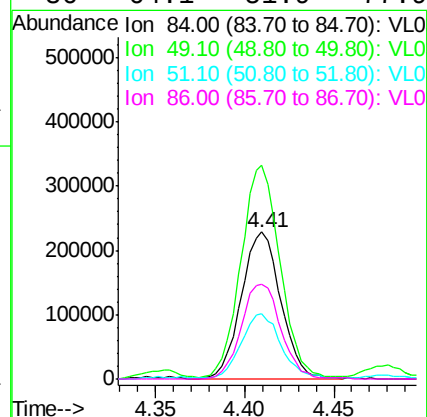
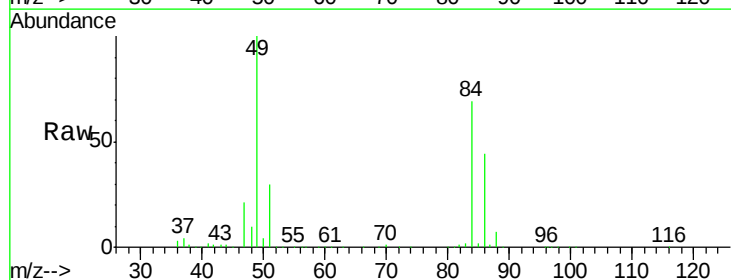
Ion Ratio Lower Upper

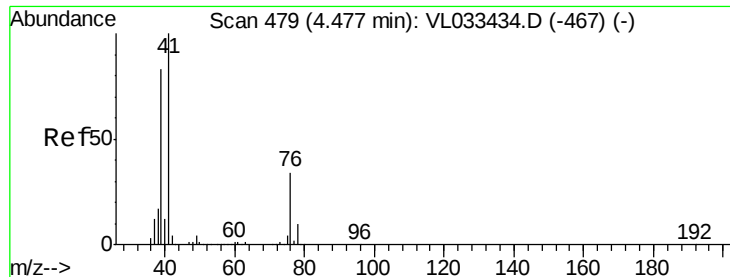
84 100

49 143.9 120.0 180.0

51 43.5 36.7 55.1

86 64.1 51.9 77.9





#21

Allvl Chloride

Concen: 9.549 ppbv

RT: 4.48 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

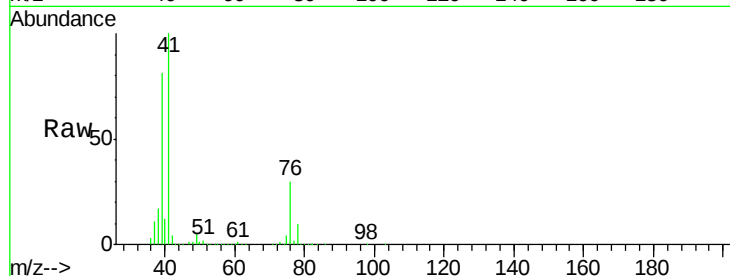
Tot Ion: 41 Resp: 606735

Ion Ratio Lower Upper

41 100

76 31.9 25.4 38.2

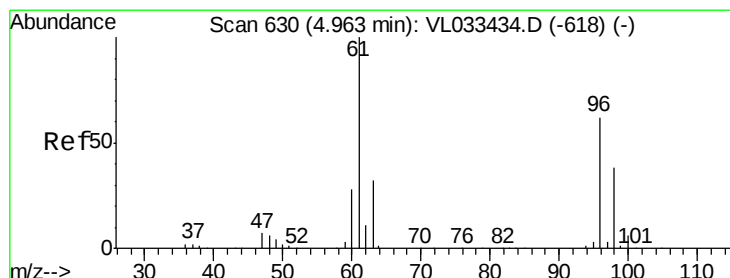
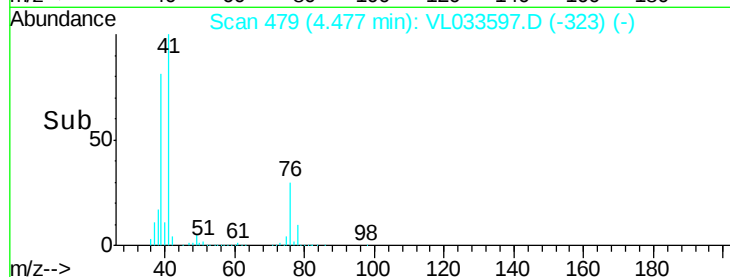
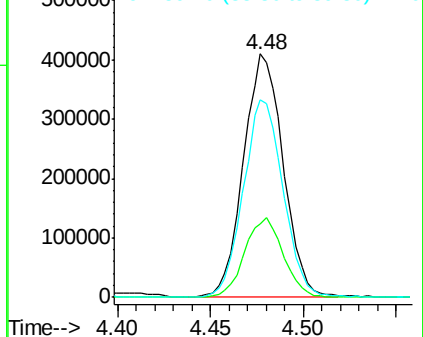
39 81.9 65.3 97.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.343 ppbv

RT: 4.96 min Scan# 630

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

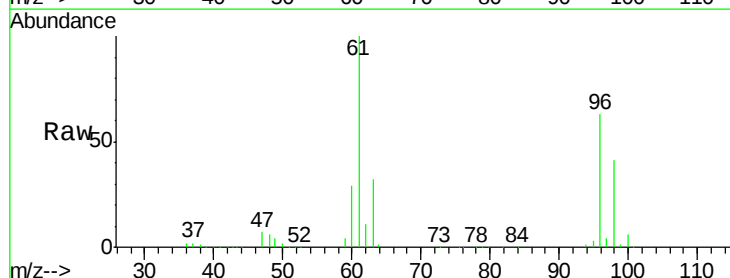
Tgt Ion: 96 Resp: 422583

Ion Ratio Lower Upper

96 100

61 157.8 128.9 193.3

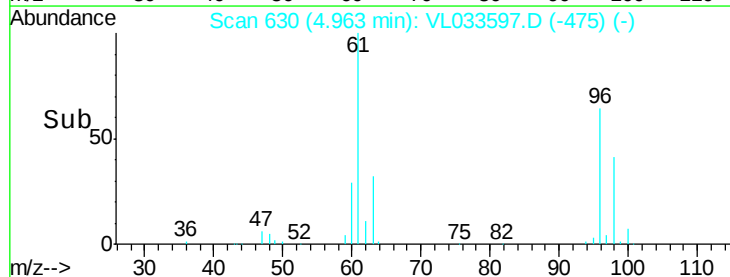
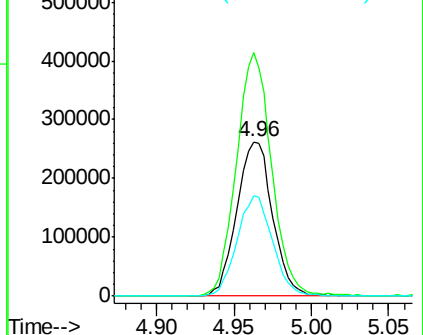
98 64.7 49.5 74.3

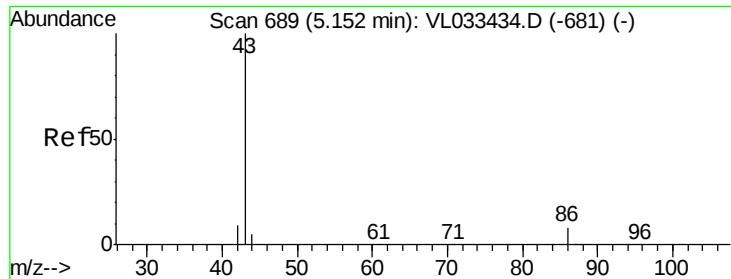


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.131 ppbv

RT: 5.16 min Scan# 690

Delta R.T. 0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1306318

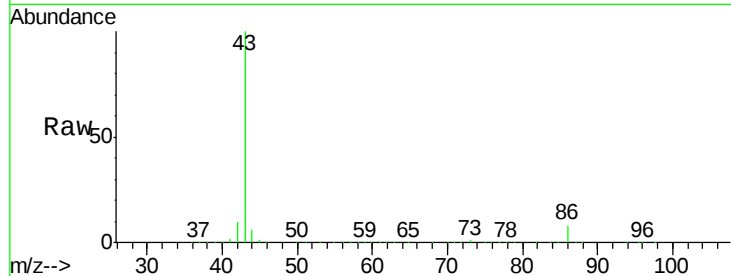
Ion Ratio Lower Upper

43 100

86 7.5 5.6 8.4

42 10.0 8.0 12.0

44 5.6 3.9 5.9

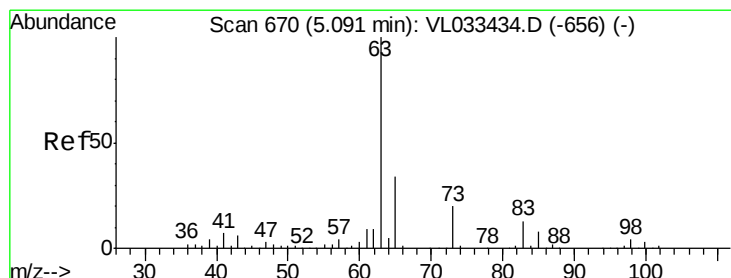
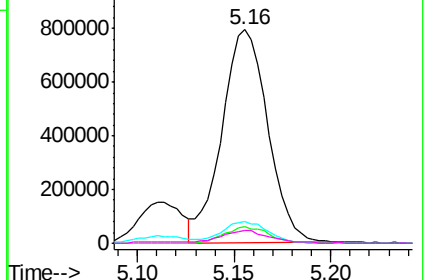
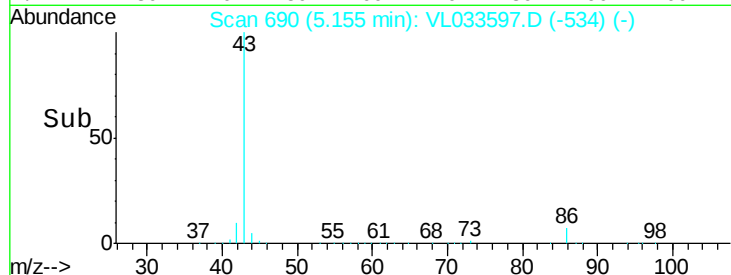


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.519 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

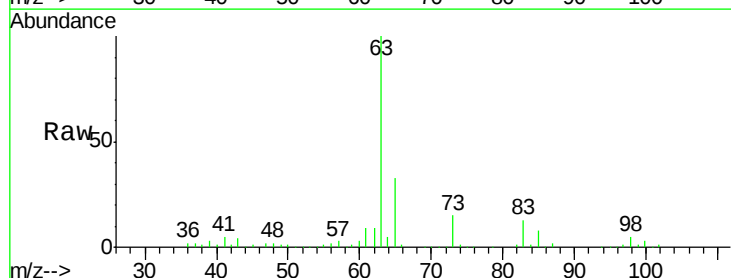
Tgt Ion: 63 Resp: 925826

Ion Ratio Lower Upper

63 100

98 4.5 2.2 6.6

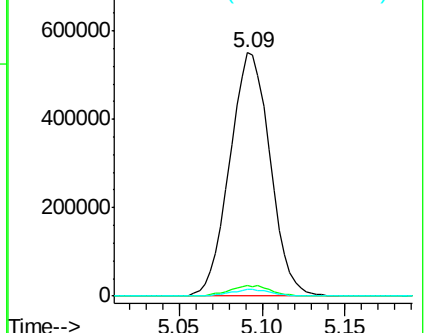
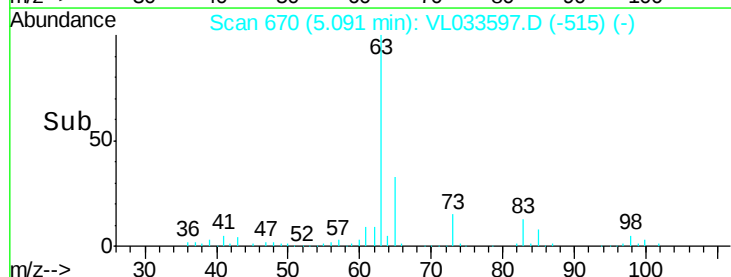
100 2.6 1.5 4.4

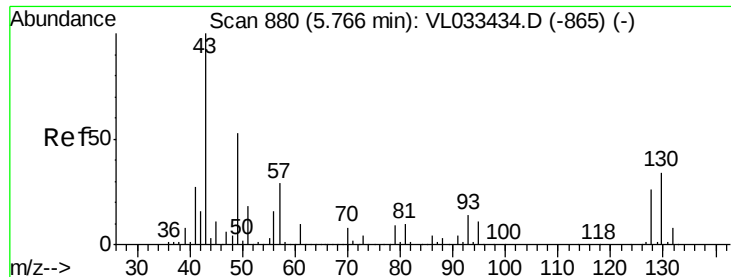


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 8.633 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1610075

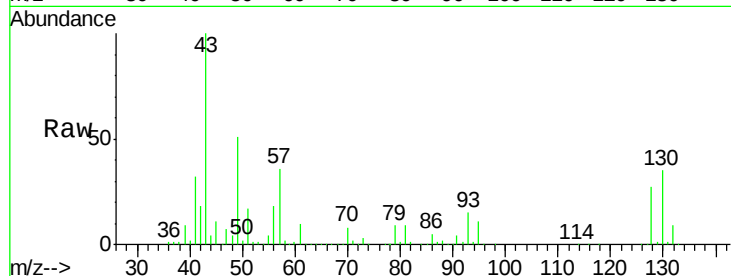
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.6
61	9.2	7.3	10.9
70	6.9	5.6	8.4

43 100

45 9.9 7.8 11.6

61 9.2 7.3 10.9

70 6.9 5.6 8.4

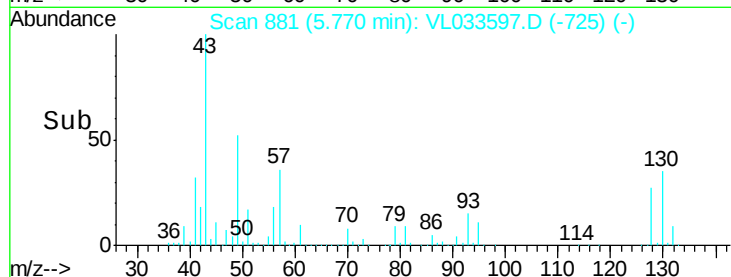


Abundance Ion 43.10 (42.80 to 43.80): VL0

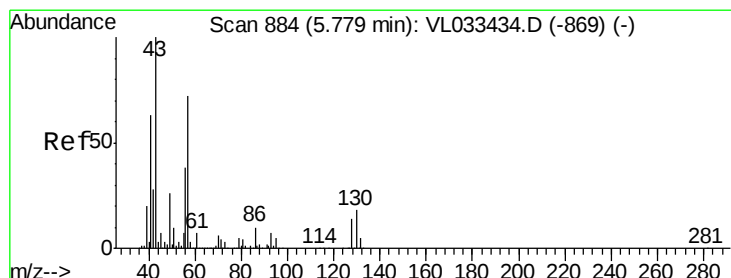
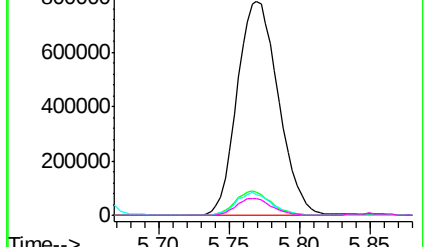
Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



Time-->



#26

Hexane

Concen: 8.650 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Tgt Ion: 57 Resp: 717241

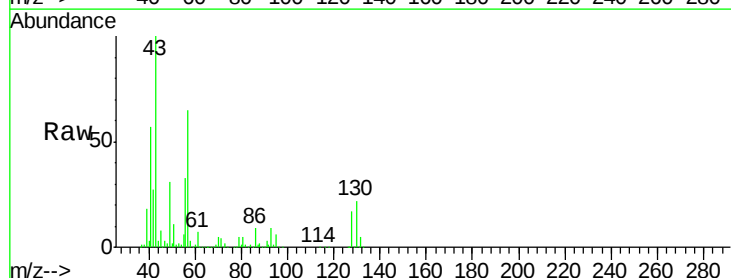
Ion	Ratio	Lower	Upper
57	100		
41	89.5	70.7	106.1
43	225.6	182.6	274.0
56	52.7	42.0	63.0

57 100

41 89.5 70.7 106.1

43 225.6 182.6 274.0

56 52.7 42.0 63.0

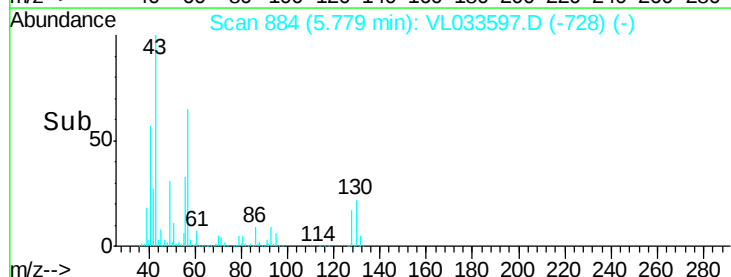


Abundance Ion 57.10 (56.80 to 57.80): VL0

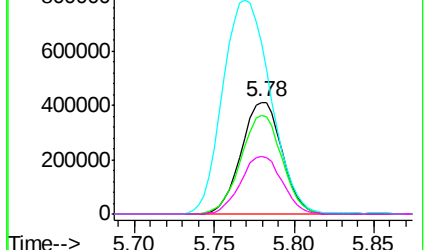
Ion 41.10 (40.80 to 41.80): VL0

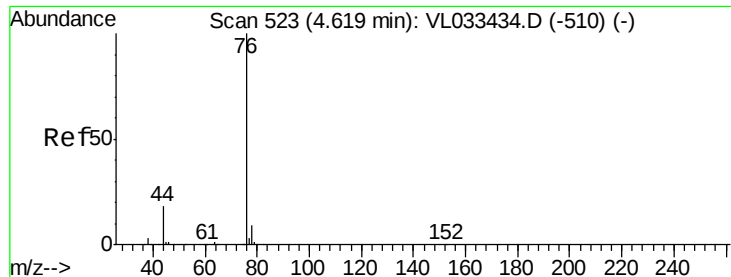
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



Time-->





#27

Carbon Disulfide

Concen: 10.384 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

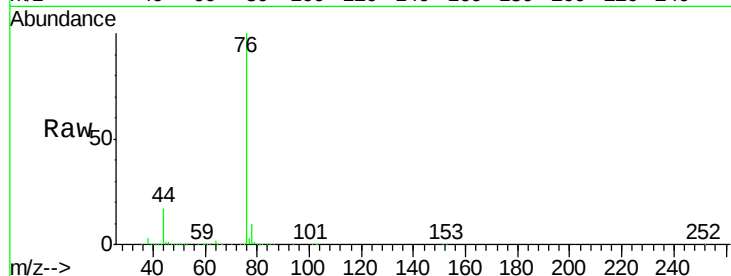
Tot Ion: 76 Resp: 1023988

Ion Ratio Lower Upper

76 100

44 17.6 14.8 22.2

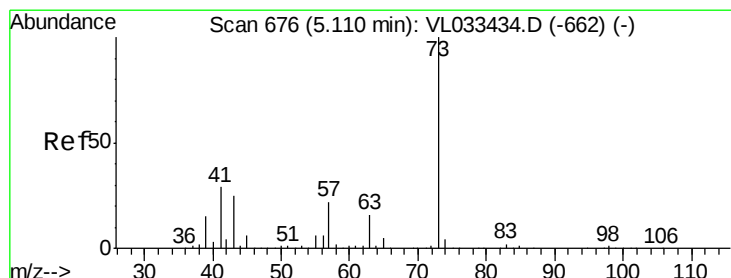
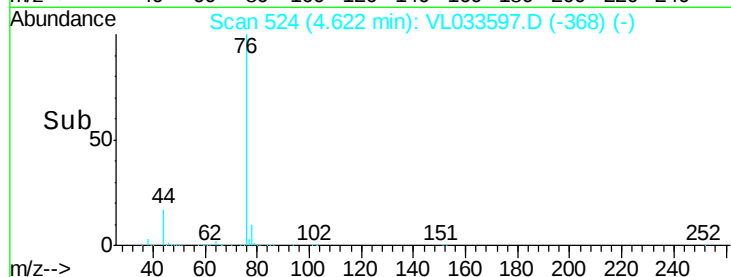
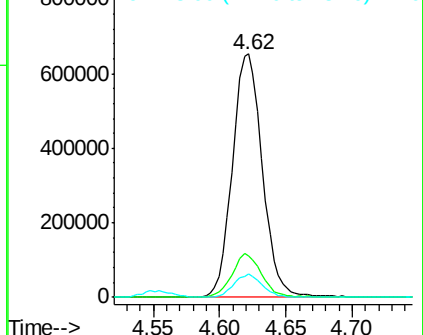
78 9.2 7.6 11.4



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: 8.871 ppbv

RT: 5.11 min Scan# 677

Delta R.T. 0.00 min

Lab File: VL033597.D

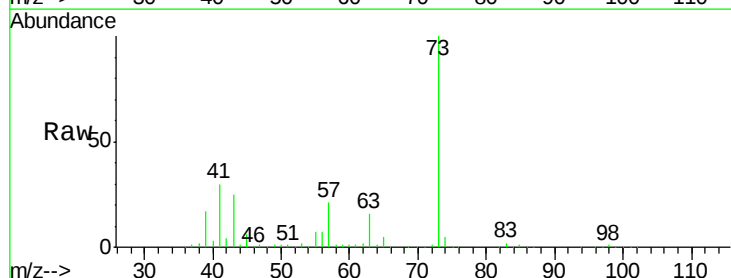
Acq: 16 Apr 2019 18:08

Tgt Ion: 73 Resp: 1059457

Ion Ratio Lower Upper

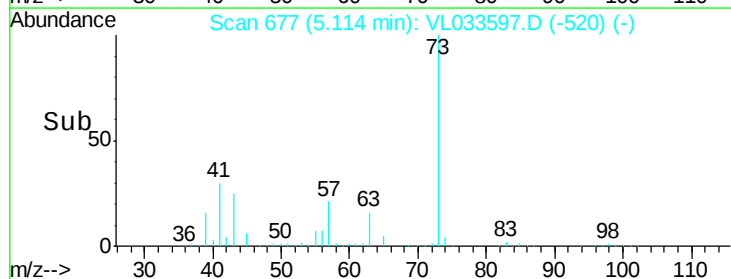
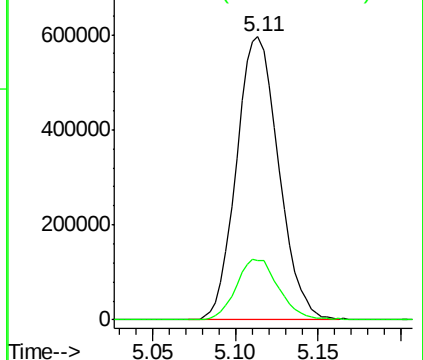
73 100

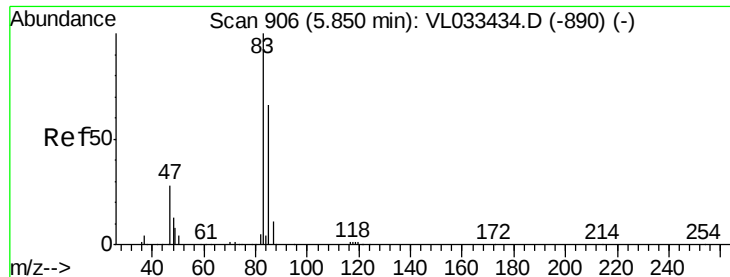
57 21.7 17.4 26.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

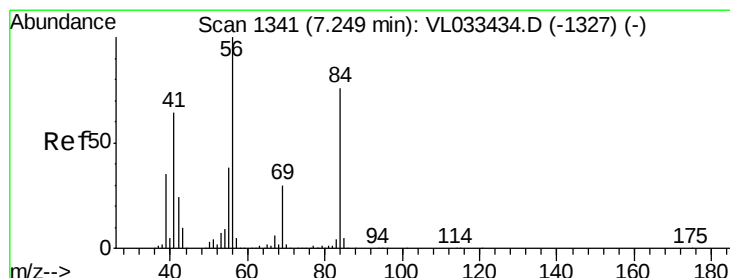
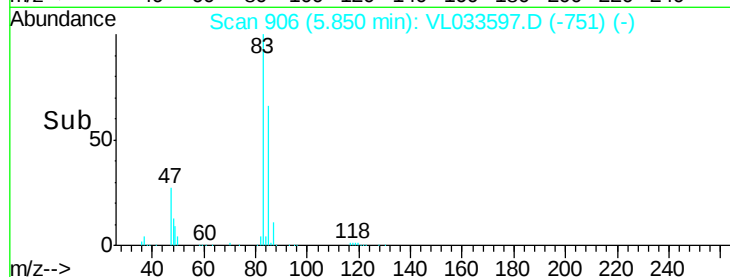
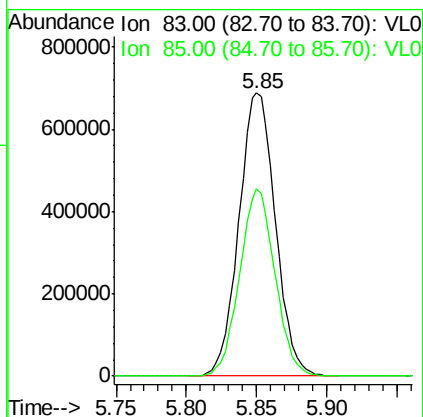
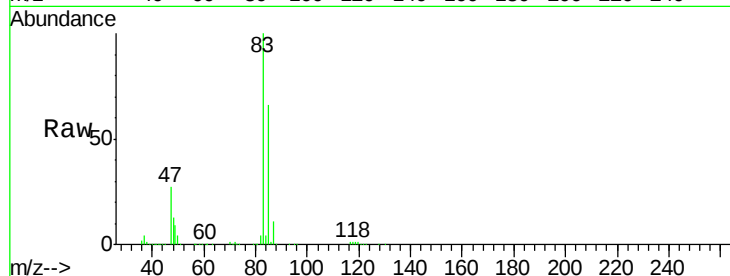




#29
Chloroform
Concen: 8.773 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

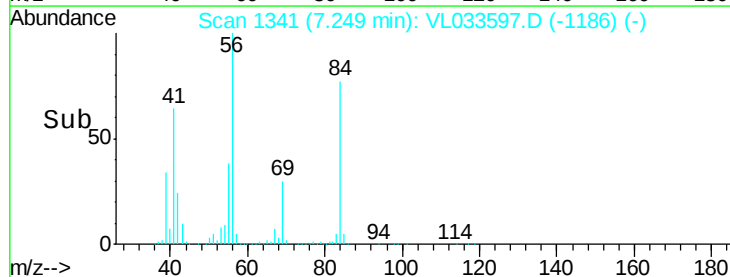
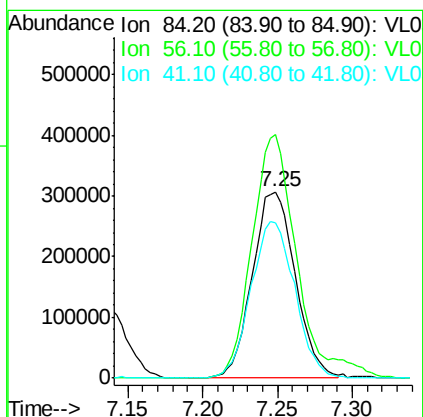
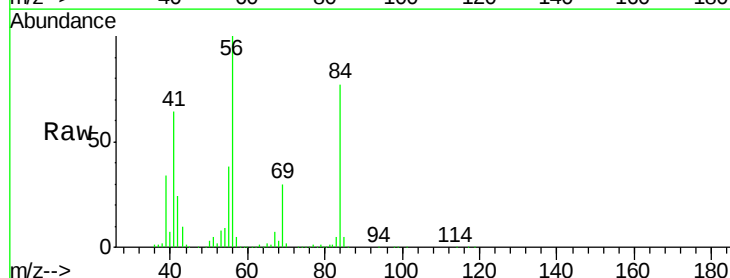
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

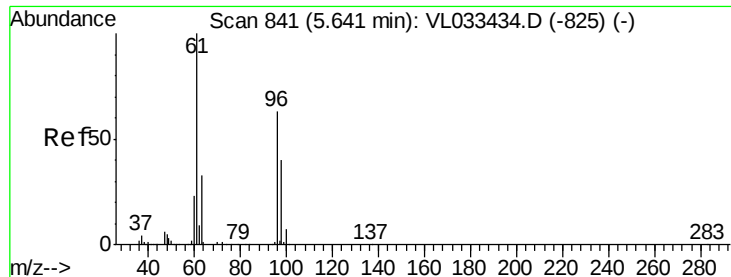
Tot Ion: 83 Resp: 1247066
Ion Ratio Lower Upper
83 100
85 66.3 52.6 79.0



#30
Cyclohexane
Concen: 9.353 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 84 Resp: 613588
Ion Ratio Lower Upper
84 100
56 136.6 109.7 164.5
41 85.8 68.2 102.2





#31

cis-1,2-Dichloroethene

Concen: 9.066 ppbv

RT: 5.64 min Scan# 841

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

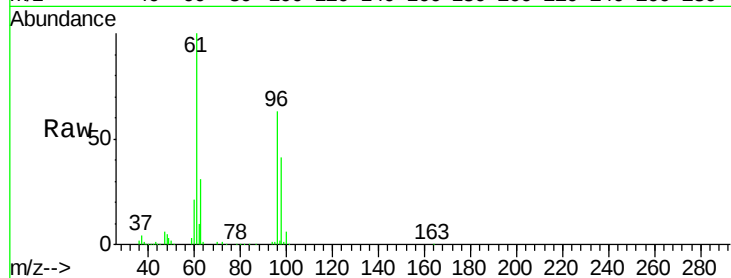
Tot Ion: 61 Resp: 747462

Ion Ratio Lower Upper

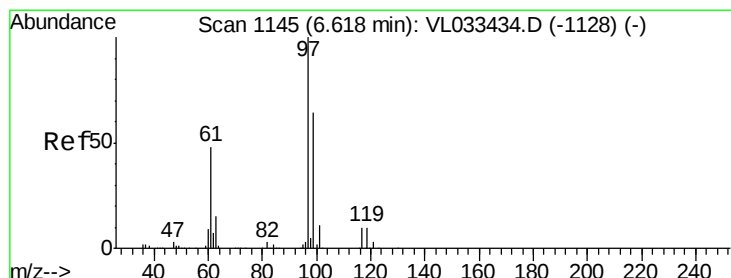
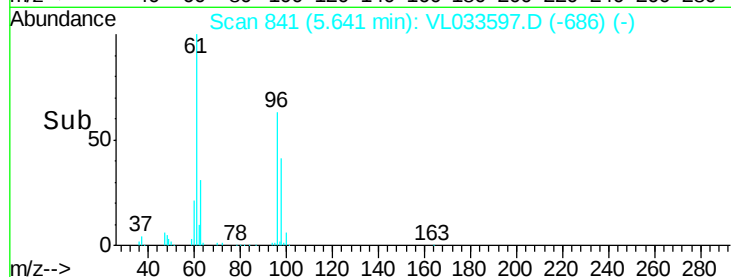
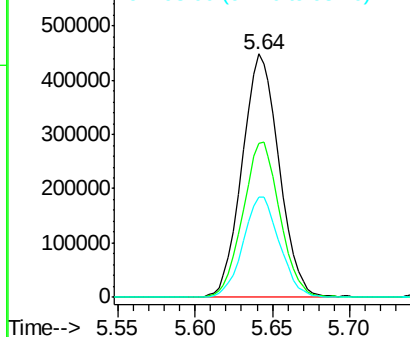
61 100

96 63.4 50.6 76.0

98 41.4 32.2 48.2



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: 9.126 ppbv

RT: 6.62 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

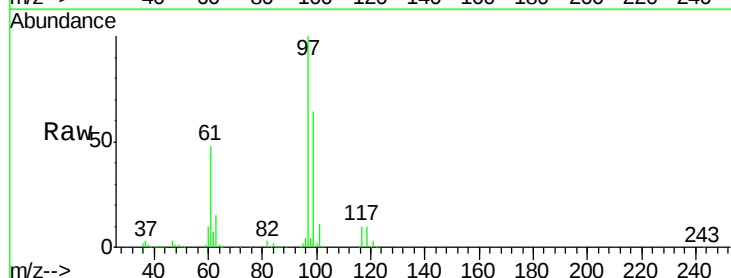
Tgt Ion: 97 Resp: 1235240

Ion Ratio Lower Upper

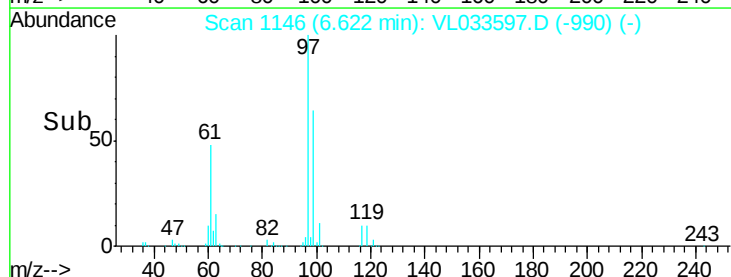
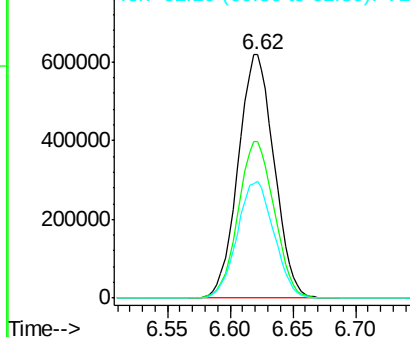
97 100

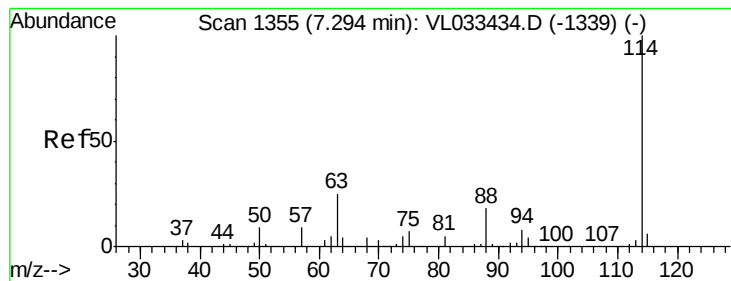
99 64.4 51.5 77.3

61 48.9 38.8 58.2



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: 7.29 min Scan# 1355

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

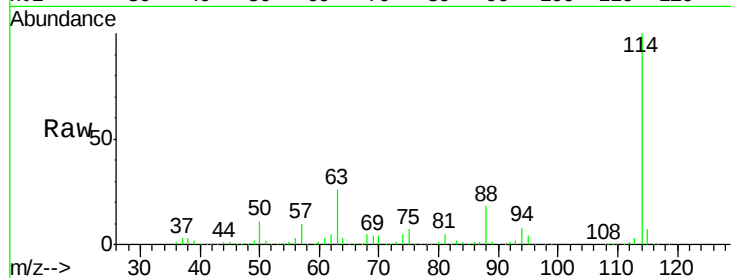
Tot Ion:114 Resp: 2005437

Ion Ratio Lower Upper

114 100

63 26.6 21.5 32.3

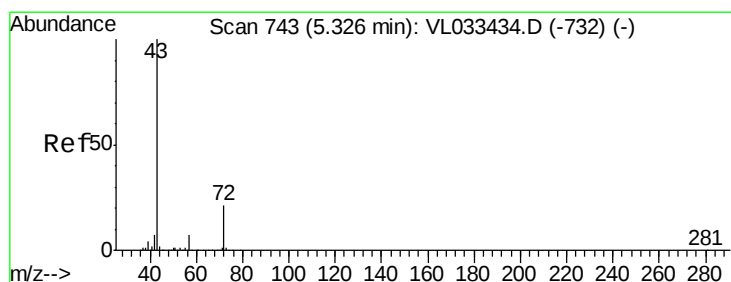
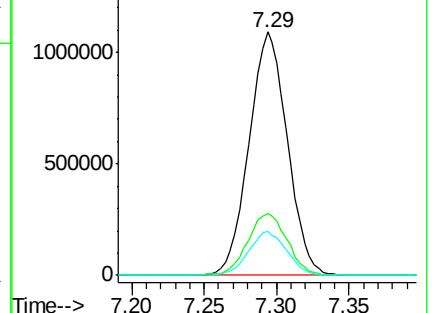
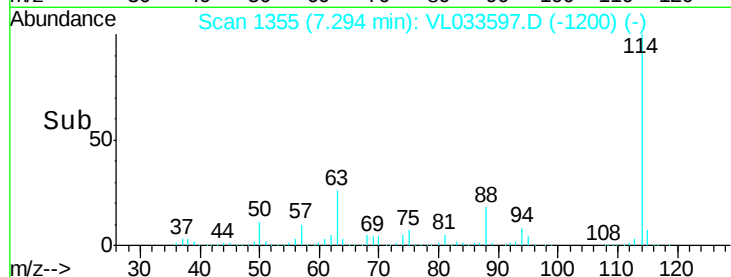
88 18.0 14.5 21.7



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.636 ppbv

RT: 5.33 min Scan# 744

Delta R.T. 0.00 min

Lab File: VL033597.D

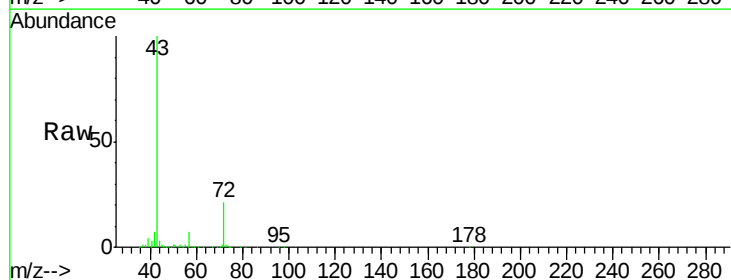
Acq: 16 Apr 2019 18:08

Tgt Ion: 43 Resp: 1040566

Ion Ratio Lower Upper

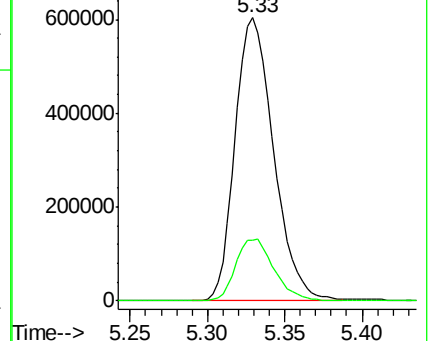
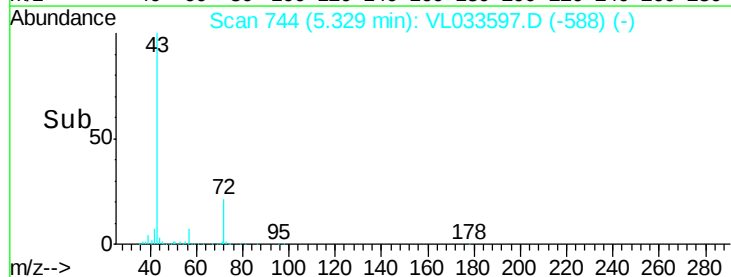
43 100

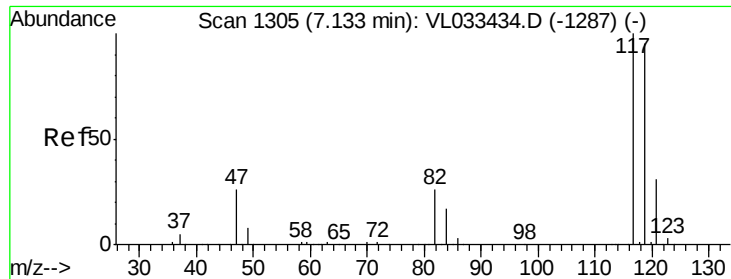
72 21.9 17.4 26.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

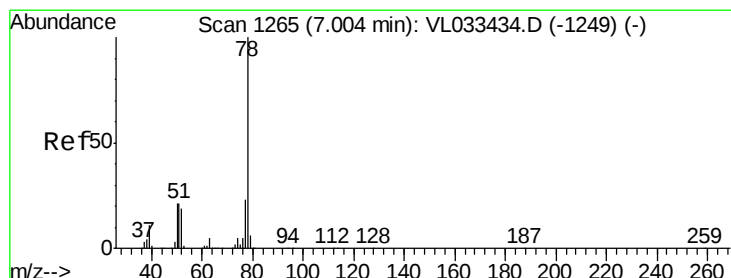
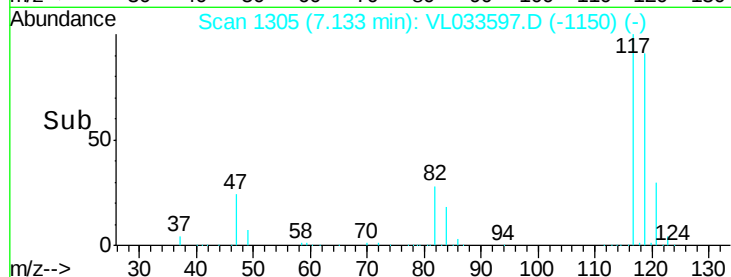
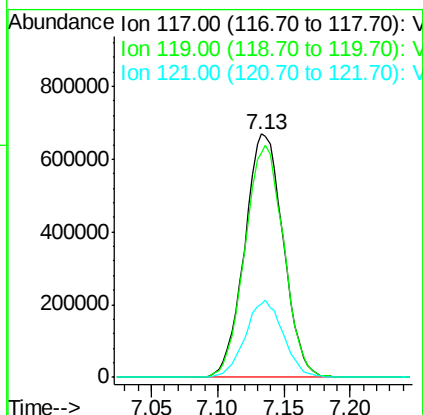
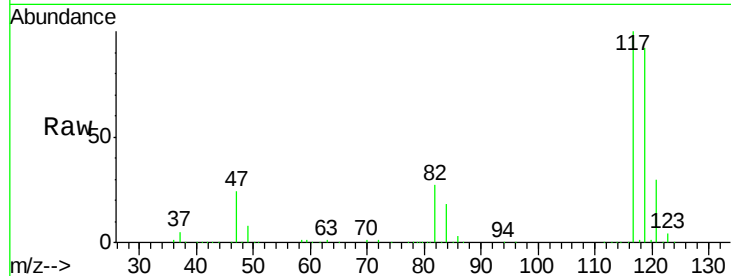




#35
Carbon Tetrachloride
Concen: 9.553 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

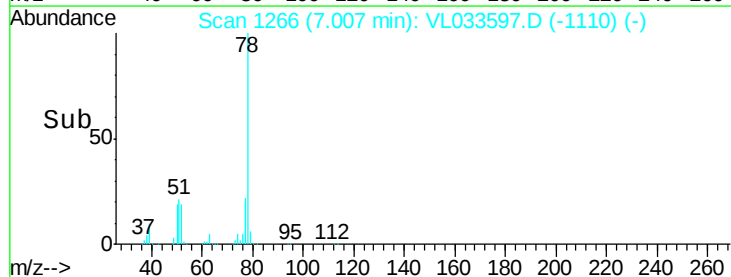
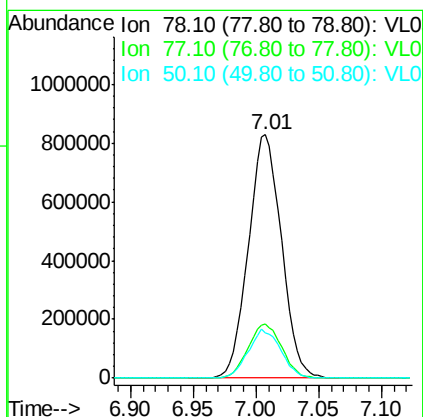
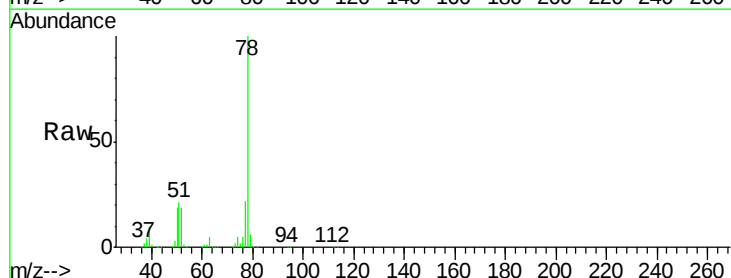
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

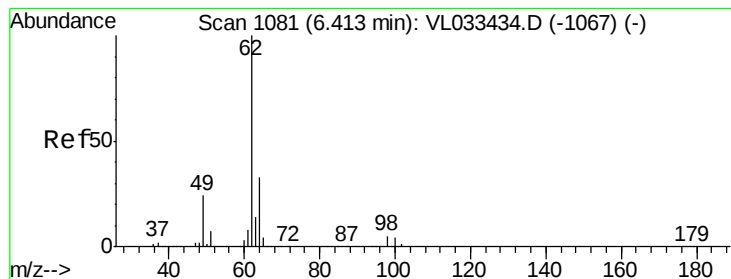
Tot Ion:117 Resp: 1356935
Ion Ratio Lower Upper
117 100
119 92.0 75.8 113.8
121 30.3 24.7 37.1



#36
Benzene
Concen: 9.053 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 78 Resp: 1523351
Ion Ratio Lower Upper
78 100
77 22.2 18.1 27.1
50 18.8 16.7 25.1





#37

1,2-Dichloroethane

Concen: 8.483 ppbv

RT: 6.42 min Scan# 1082

Delta R.T. 0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :

MSVOA_L

ClientSampleId :

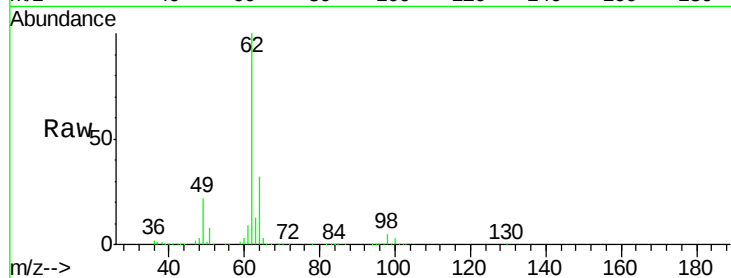
VSTDCCC010EC

Tot Ion: 62 Resp: 956799

Ion Ratio Lower Upper

62 100

98 5.5 4.4 6.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.42

500000

400000

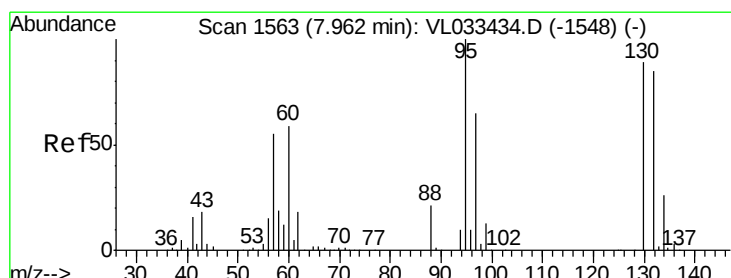
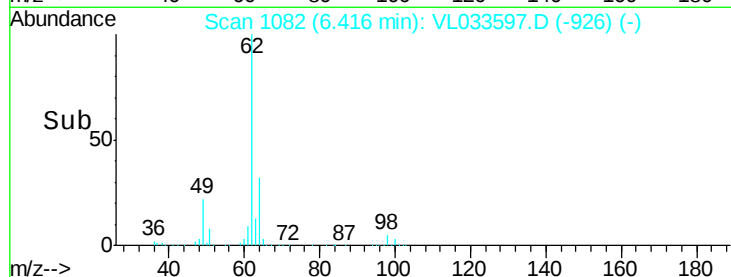
300000

200000

100000

0

Time-->



#38

Trichloroethene

Concen: 9.876 ppbv

RT: 7.96 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Tgt Ion: 130 Resp: 625443

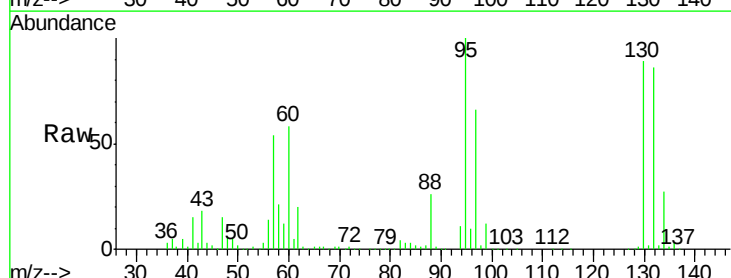
Ion Ratio Lower Upper

130 100

95 113.2 89.8 134.8

132 97.4 76.6 115.0

97 75.0 58.6 88.0



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

500000

400000

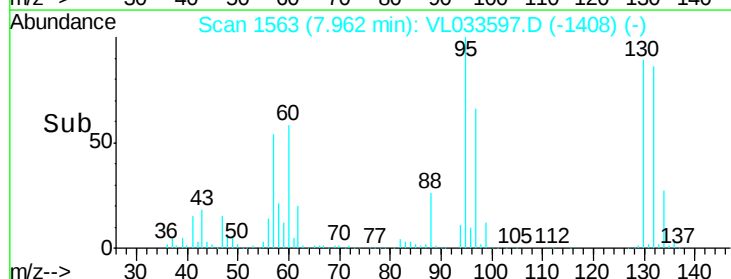
300000

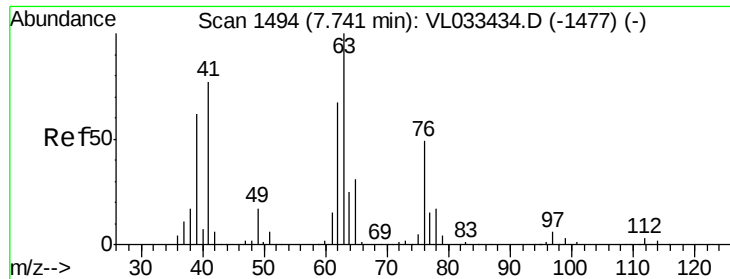
200000

100000

0

Time-->

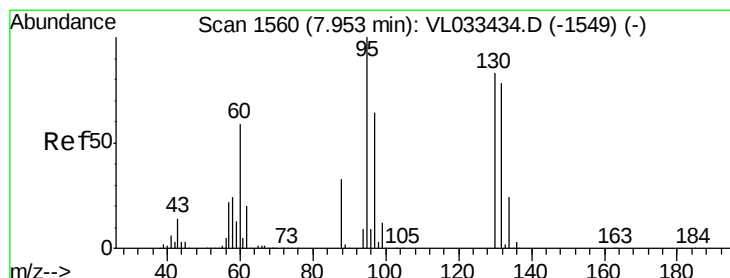
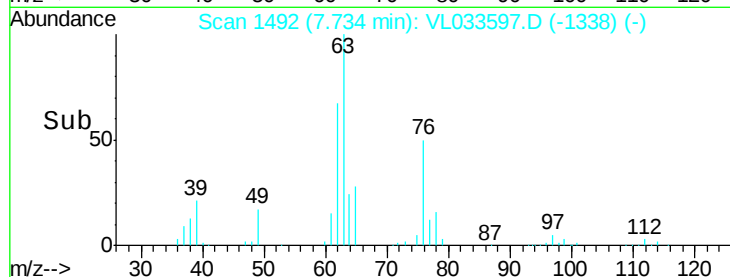
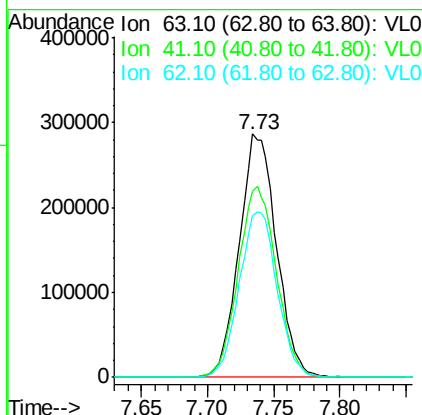
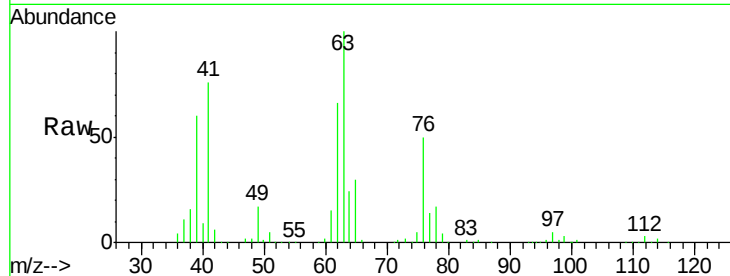




#39
 1,2-Dichloropropane
 Concen: 8.492 ppbv
 RT: 7.73 min Scan# 1492
 Delta R.T. -0.01 min
 Lab File: VL033597.D
 Acq: 16 Apr 2019 18:08

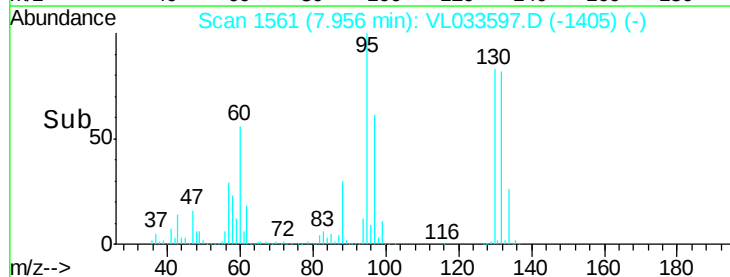
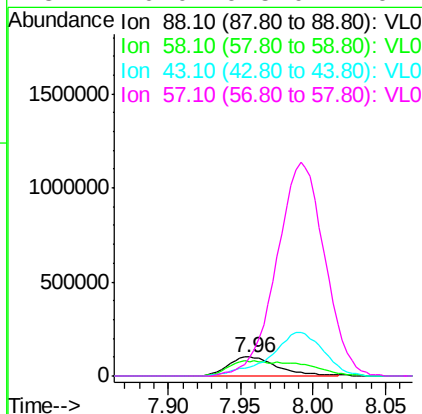
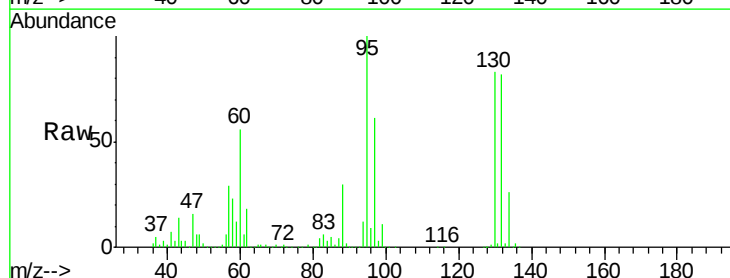
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

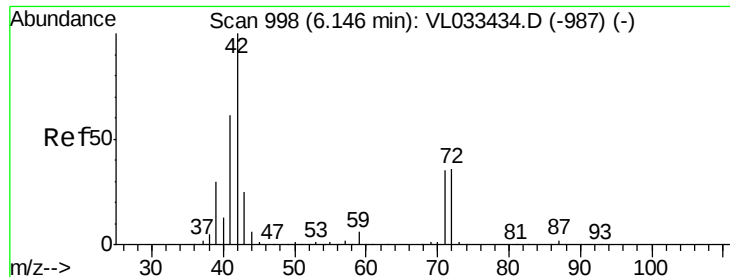
Tot Ion: 63 Resp: 559746
 Ion Ratio Lower Upper
 63 100
 41 76.2 61.2 91.8
 62 66.1 54.0 81.0



#40
 1,4-Dioxane
 Concen: 10.279 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. 0.00 min
 Lab File: VL033597.D
 Acq: 16 Apr 2019 18:08

Tgt Ion: 88 Resp: 241665
 Ion Ratio Lower Upper
 88 100
 58 125.8 105.6 158.4
 43 0.0 216.7 325.1#
 57 0.0 975.0 1462.4#





#41

Tetrahydrofuran

Concen: 8.831 ppbv

RT: 6.15 min Scan# 998

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

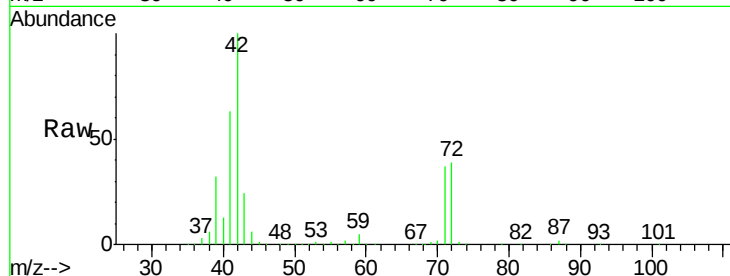
Tot Ion: 42 Resp: 585271

Ion Ratio Lower Upper

42 100

72 39.5 30.2 45.2

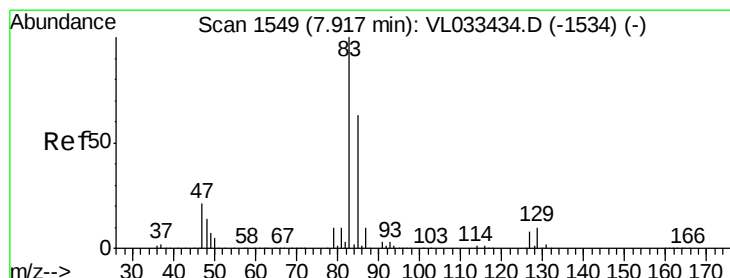
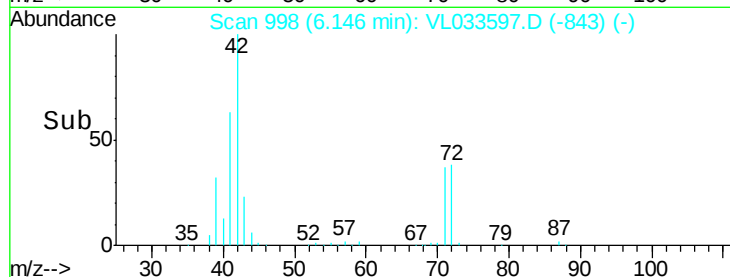
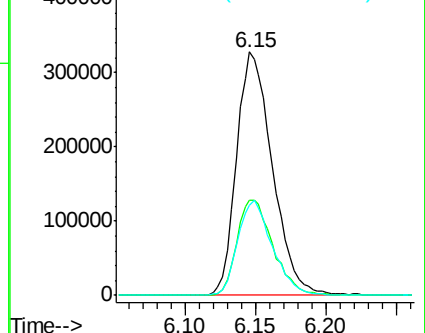
71 37.8 29.4 44.2



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: 9.043 ppbv

RT: 7.92 min Scan# 1549

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

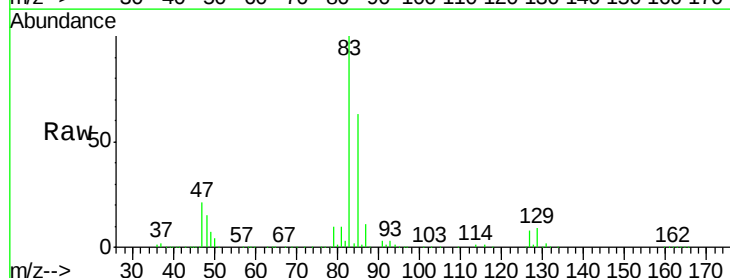
Tgt Ion: 83 Resp: 1389108

Ion Ratio Lower Upper

83 100

85 62.6 50.7 76.1

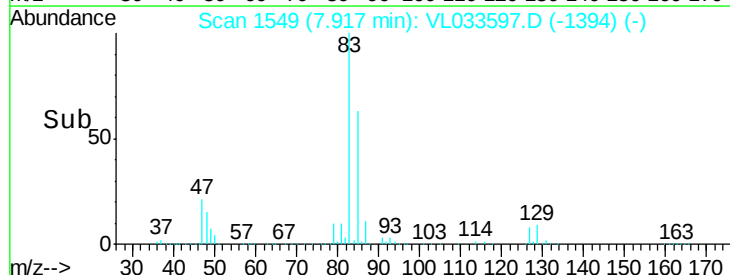
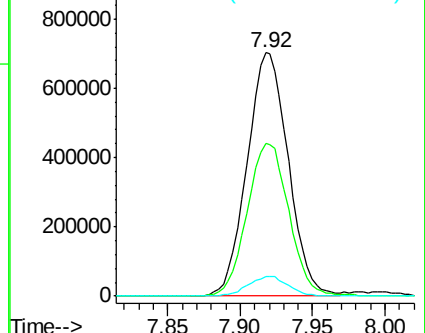
127 8.1 6.6 9.8

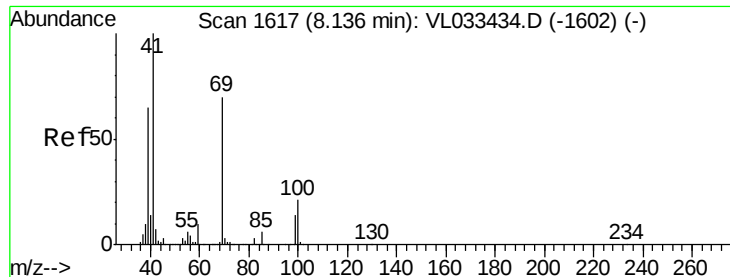


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

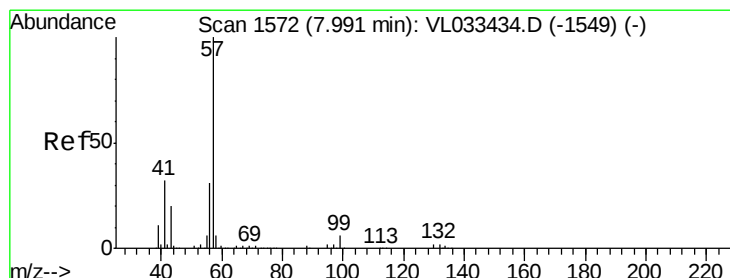
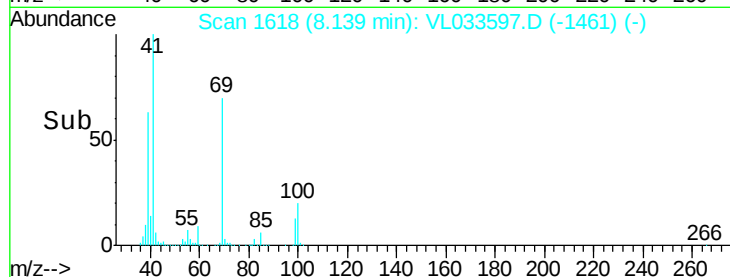
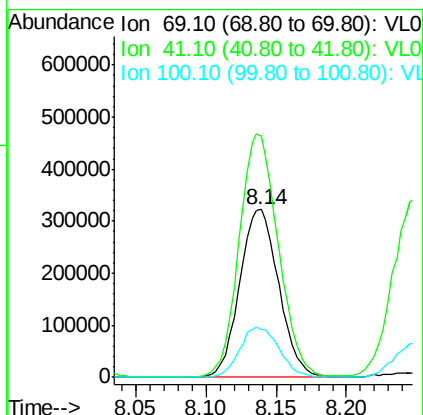
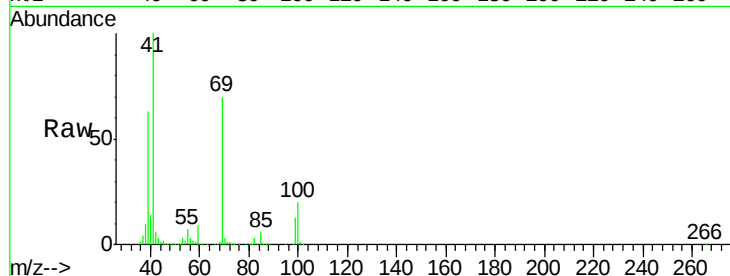




#43
Methvl Methacrilate
Concen: 9.144 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

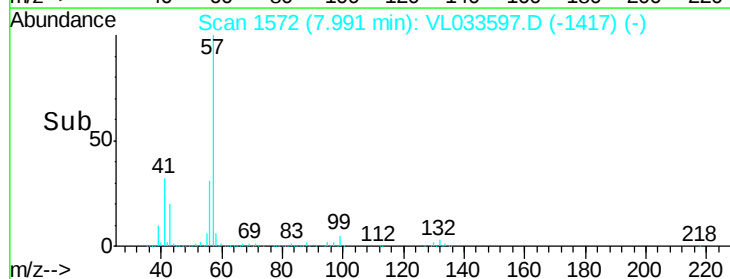
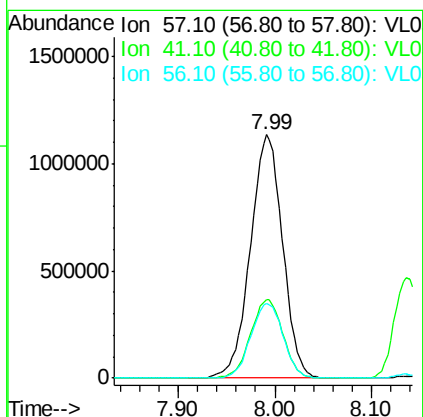
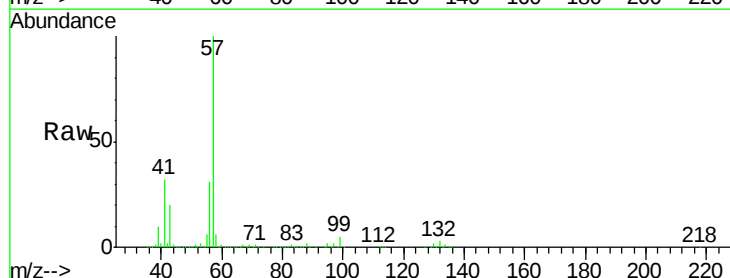
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

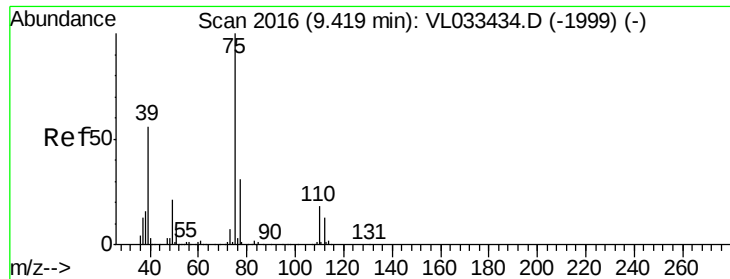
Tot Ion: 69 Resp: 624784
Ion Ratio Lower Upper
69 100
41 145.9 116.6 174.8
100 30.4 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 8.914 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 57 Resp: 2621142
Ion Ratio Lower Upper
57 100
41 32.4 26.0 39.0
56 30.8 24.6 37.0





#45

t-1,3-Dichloropropene

Concen: 10.181 ppbv

RT: 9.42 min Scan# 2015

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :

MSVOA_L

ClientSampleId :

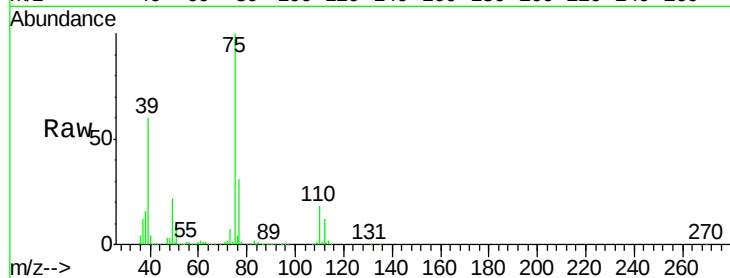
VSTDCCC010EC

Tot Ion: 75 Resp: 854077

Ion Ratio Lower Upper

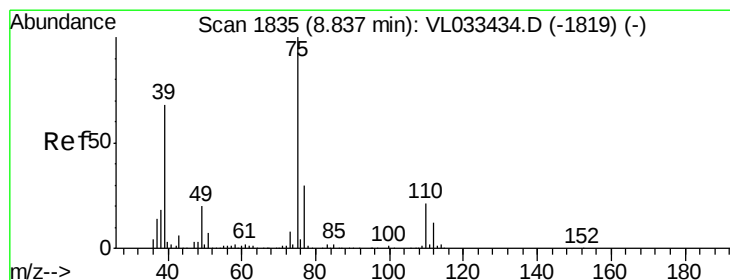
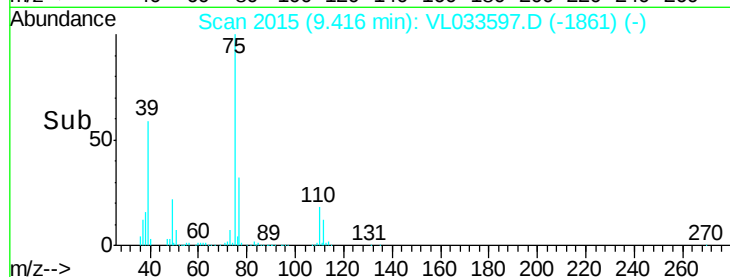
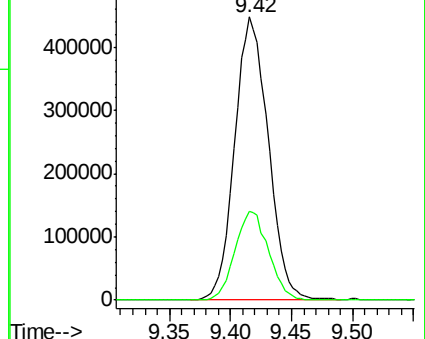
75 100

77 31.5 24.5 36.7



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 9.735 ppbv

RT: 8.84 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

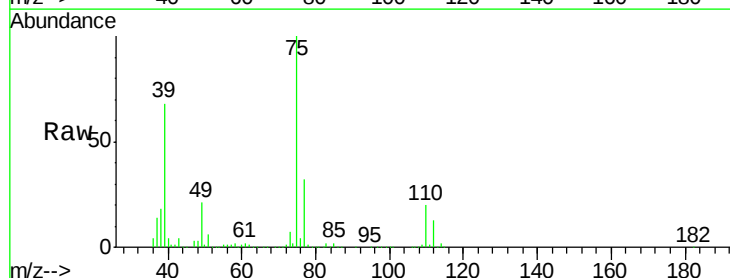
Tgt Ion: 75 Resp: 953692

Ion Ratio Lower Upper

75 100

39 67.4 54.1 81.1

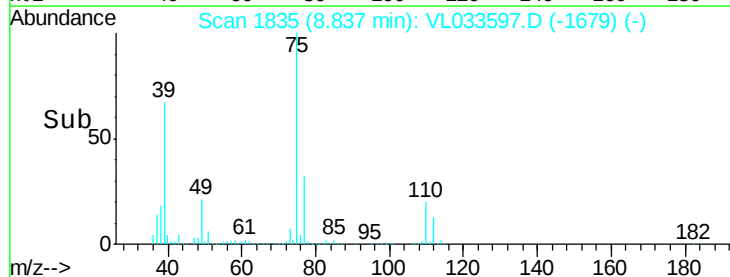
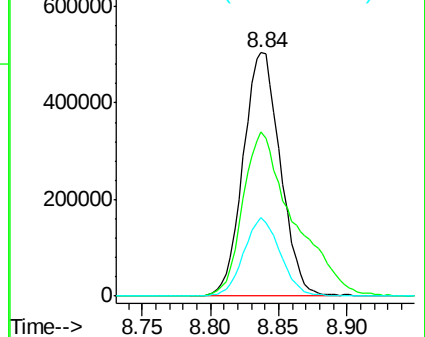
77 32.5 23.9 35.9

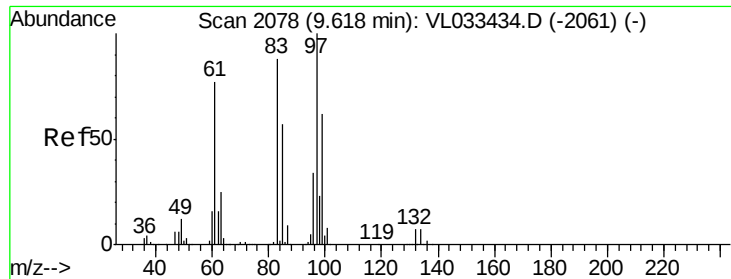


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

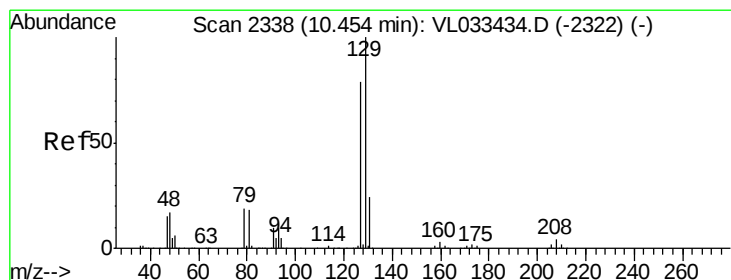
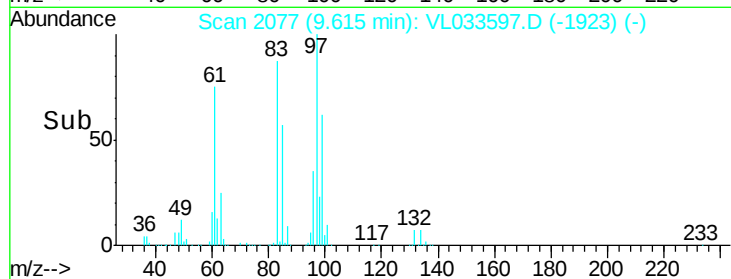
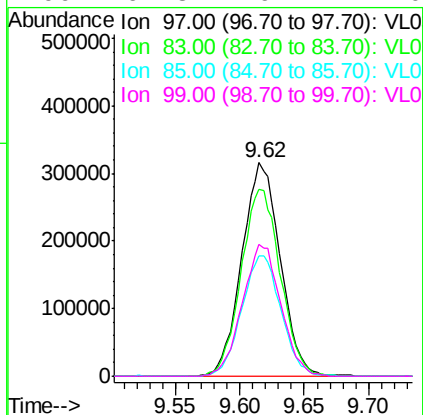
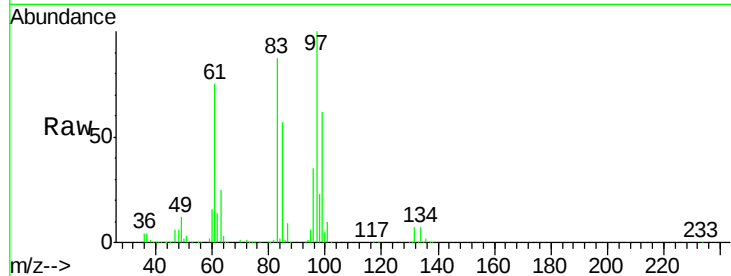




#47
 1,1,2-Trichloroethane
 Concen: 8.748 ppbv
 RT: 9.62 min Scan# 2077
 Delta R.T. -0.00 min
 Lab File: VL033597.D
 Acq: 16 Apr 2019 18:08

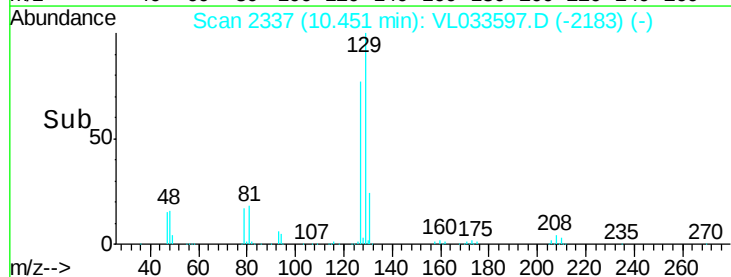
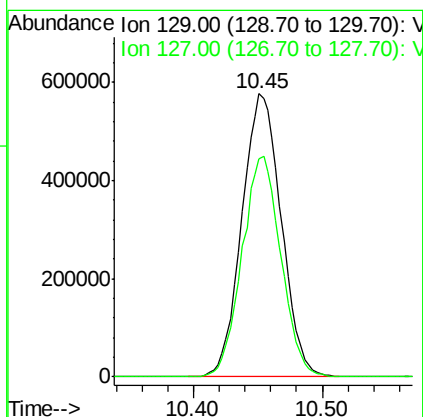
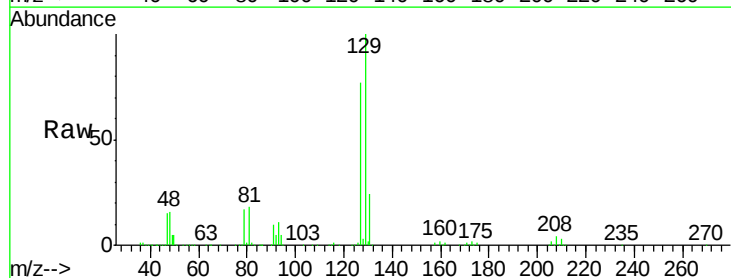
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

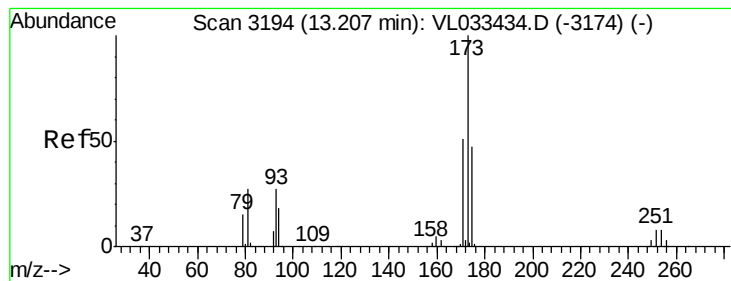
Tot Ion: 97 Resp: 654756
 Ion Ratio Lower Upper
 97 100
 83 87.4 70.5 105.7
 85 56.4 45.6 68.4
 99 61.8 49.4 74.0



#48
 Dibromochloromethane
 Concen: 9.711 ppbv
 RT: 10.45 min Scan# 2337
 Delta R.T. -0.00 min
 Lab File: VL033597.D
 Acq: 16 Apr 2019 18:08

Tgt Ion: 129 Resp: 1226077
 Ion Ratio Lower Upper
 129 100
 127 77.1 39.1 117.2





#49

Bromoform

Concen: 9.314 ppbv

RT: 13.20 min Scan# 3193

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

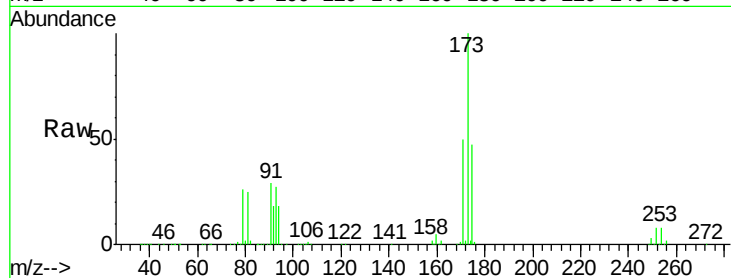
Tot Ion:173 Resp: 1123397

Ion Ratio Lower Upper

173 100

175 49.3 39.3 58.9

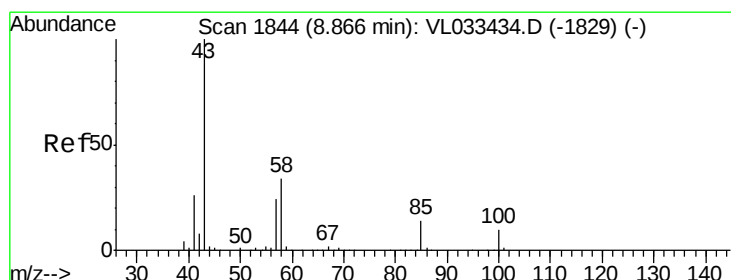
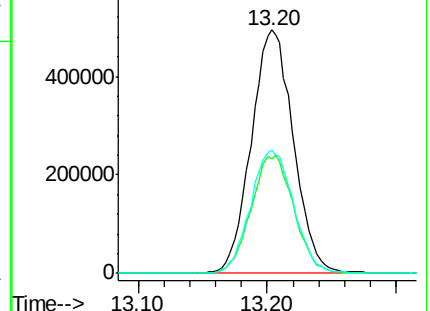
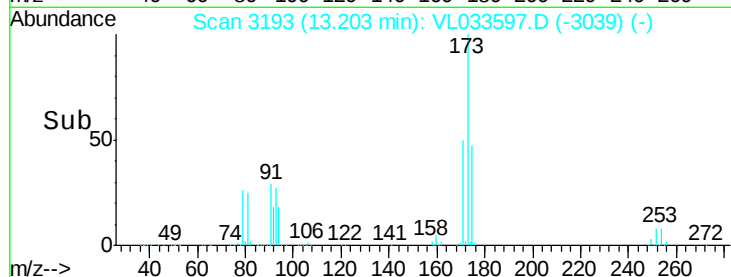
171 52.1 41.2 61.8



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: 8.959 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VL033597.D

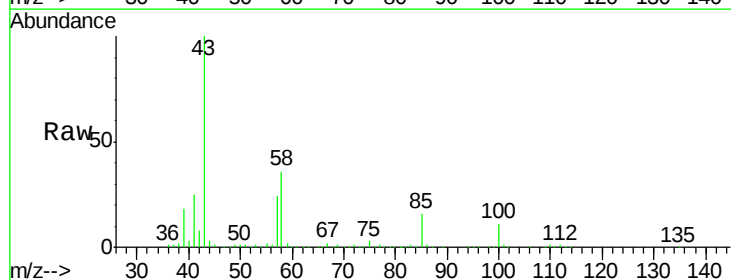
Acq: 16 Apr 2019 18:08

Tgt Ion: 43 Resp: 1580672

Ion Ratio Lower Upper

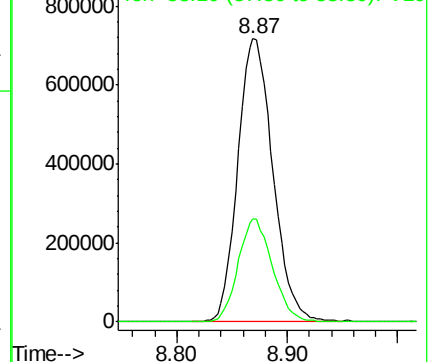
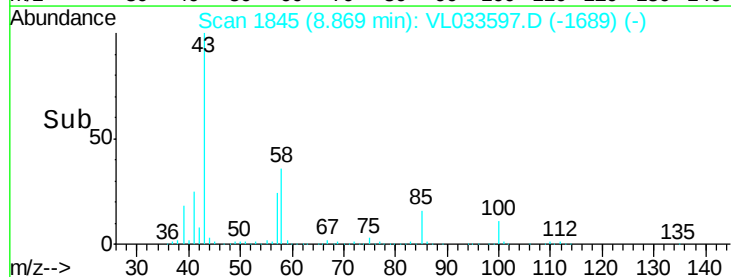
43 100

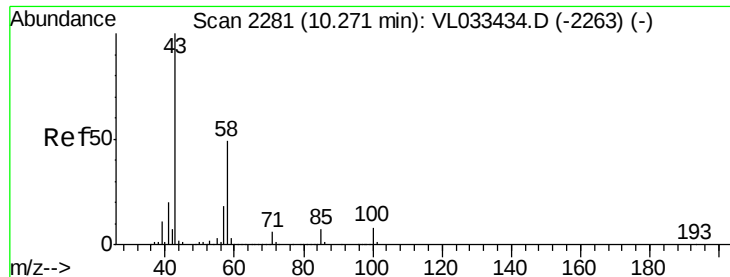
58 35.7 28.0 42.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

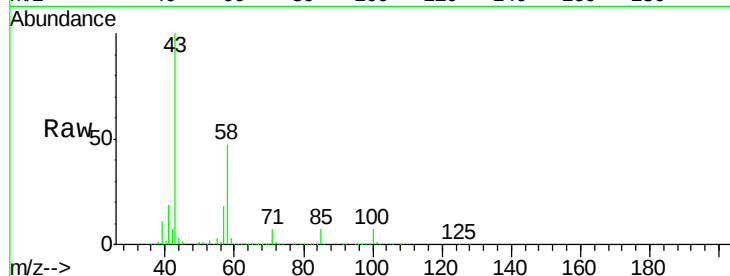




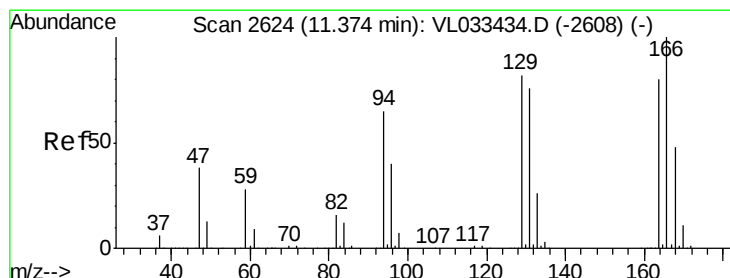
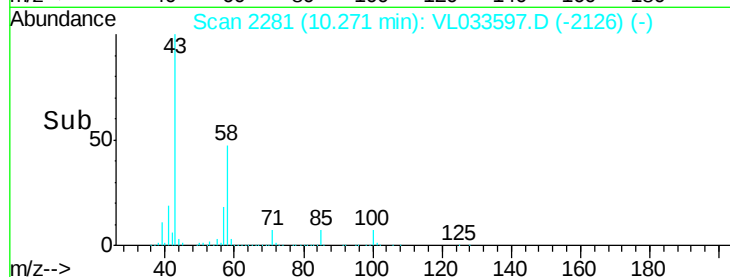
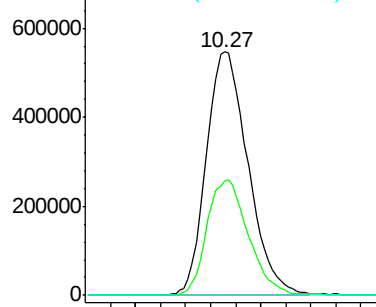
#51
2-Hexanone
Concen: 9.619 ppbv
RT: 10.27 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1265941
Ion Ratio Lower Upper
43 100
58 47.4 38.2 57.2
98 0.3 0.2 0.2#

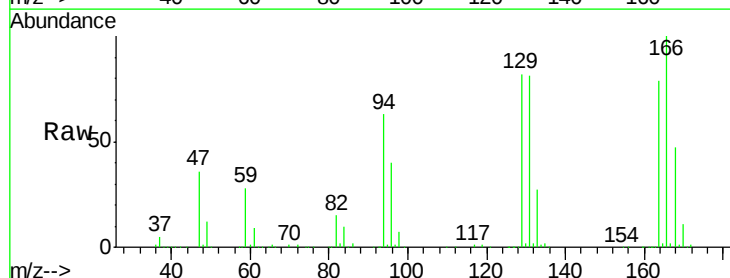


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

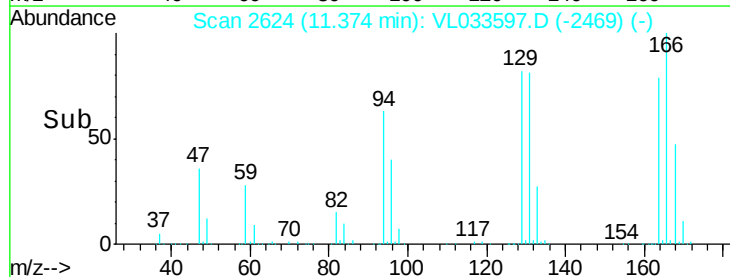
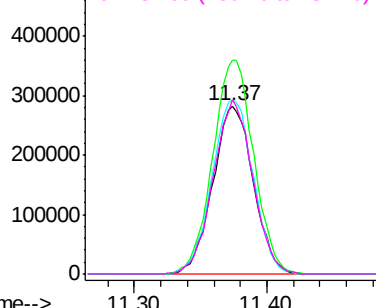


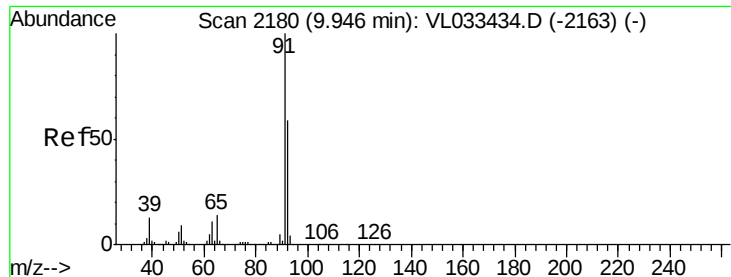
#52
Tetrachloroethene
Concen: 9.429 ppbv
RT: 11.37 min Scan# 2624
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 164 Resp: 598610
Ion Ratio Lower Upper
164 100
166 127.1 99.5 149.3
129 103.9 81.4 122.2
131 103.3 75.6 113.4



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: 9.473 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :

MSVOA_L

ClientSampleId :

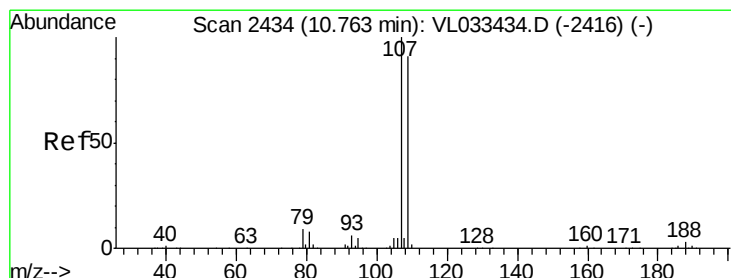
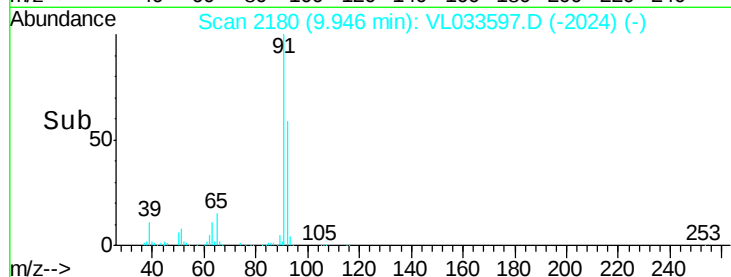
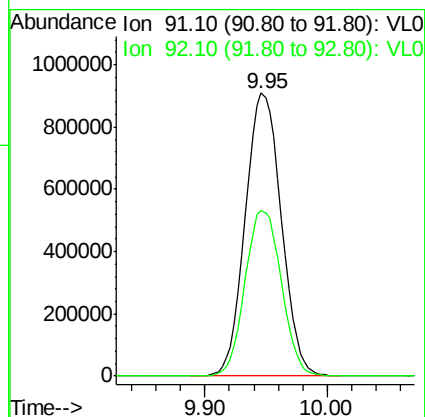
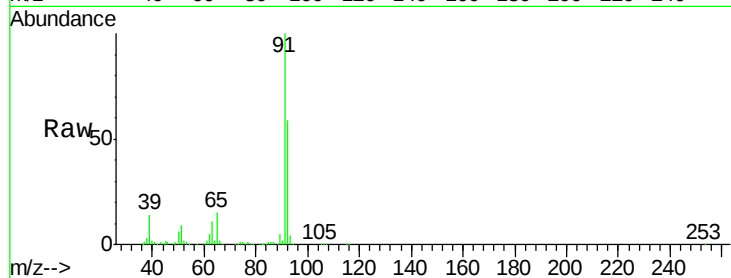
VSTDCCC010EC

Tot Ion: 91 Resp: 1852303

Ion Ratio Lower Upper

91 100

92 59.1 47.4 71.0



#54

1,2-Dibromoethane

Concen: 8.993 ppbv

RT: 10.76 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VL033597.D

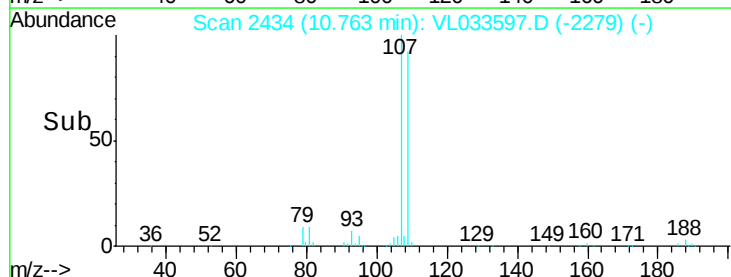
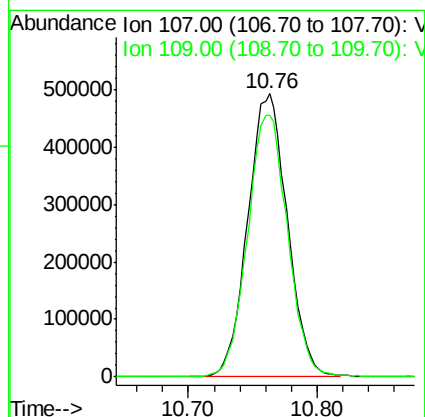
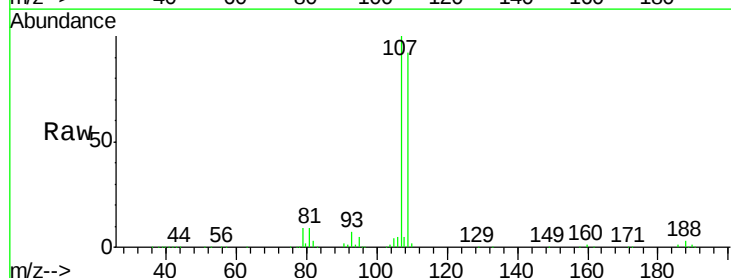
Acq: 16 Apr 2019 18:08

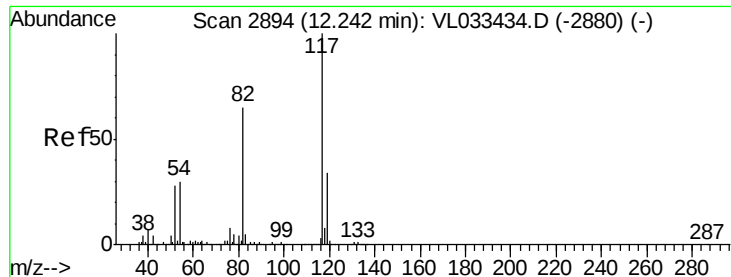
Tgt Ion: 107 Resp: 1052832

Ion Ratio Lower Upper

107 100

109 92.4 72.7 109.1

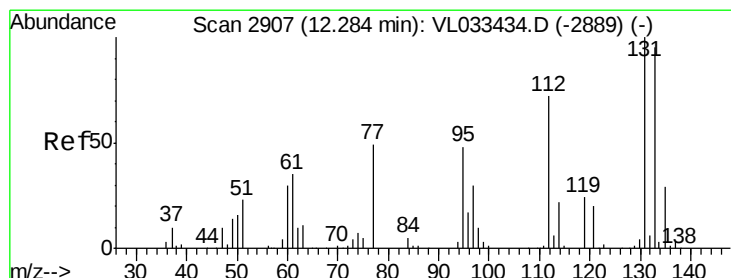
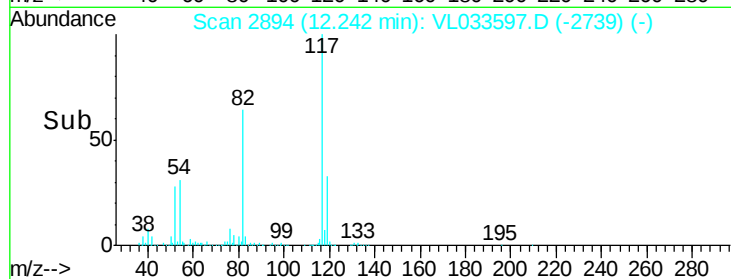
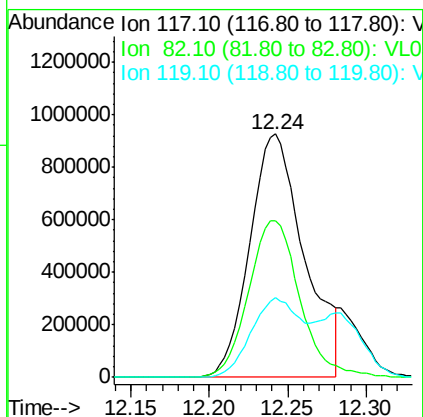
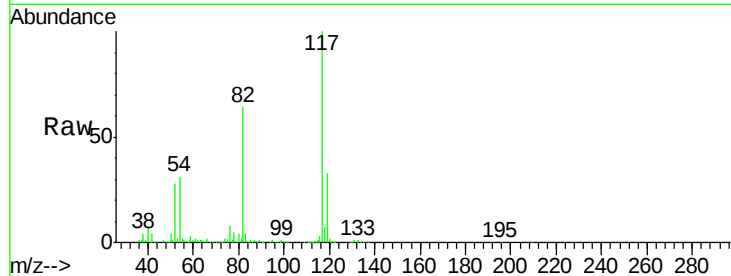




#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

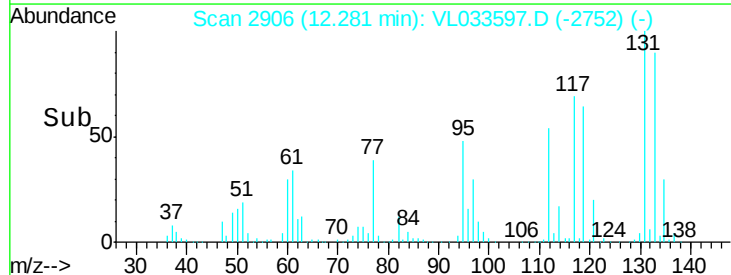
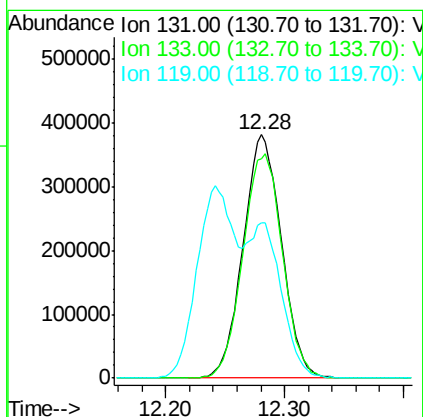
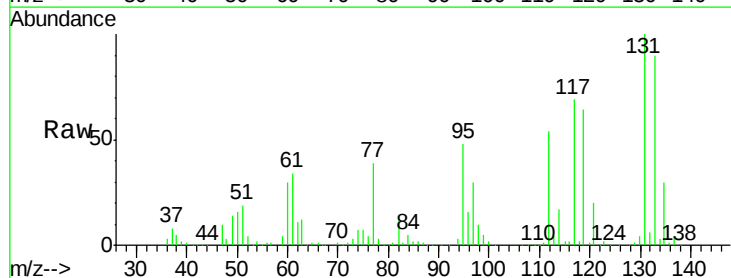
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

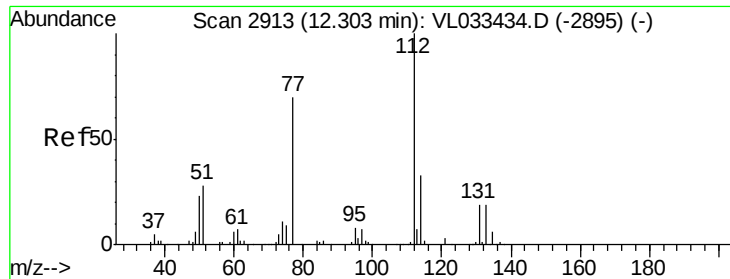
Tot Ion:117 Resp: 2238537
Ion Ratio Lower Upper
117 100
82 60.9 51.5 77.3
119 51.9 25.5 38.3#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.304 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion:131 Resp: 851911
Ion Ratio Lower Upper
131 100
133 95.3 76.2 114.4
119 136.8 45.0 67.6#

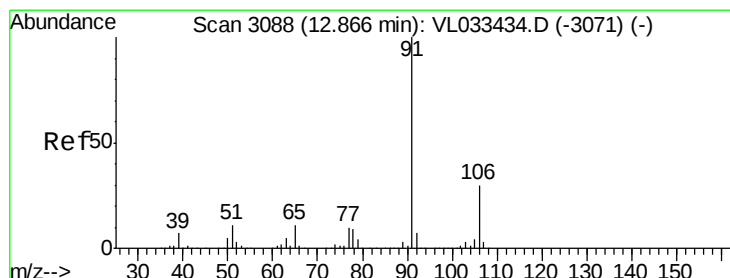
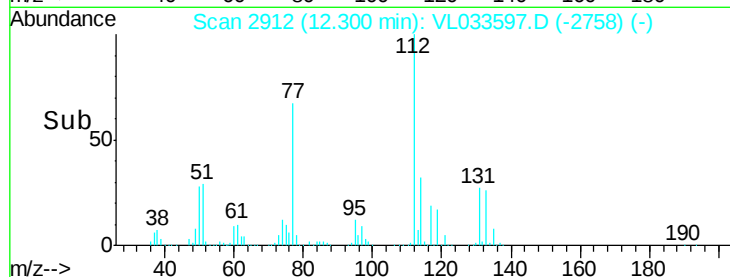
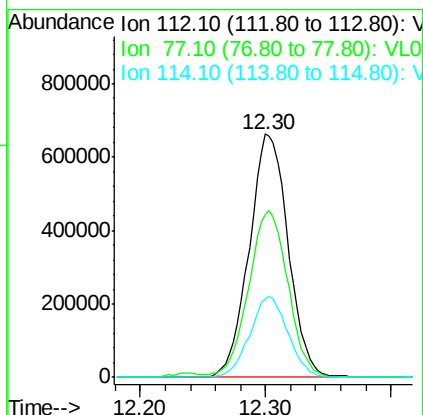
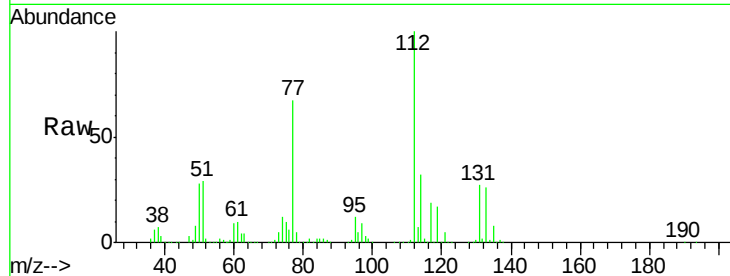




#57
Chlorobenzene
Concen: 8.222 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

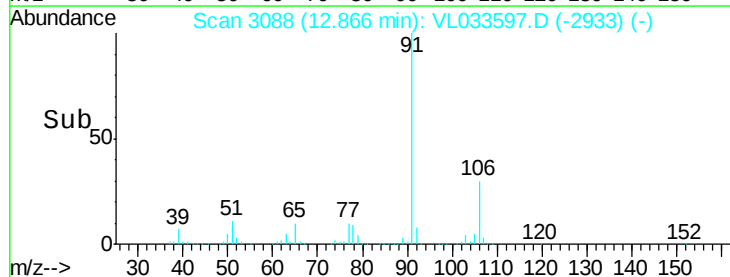
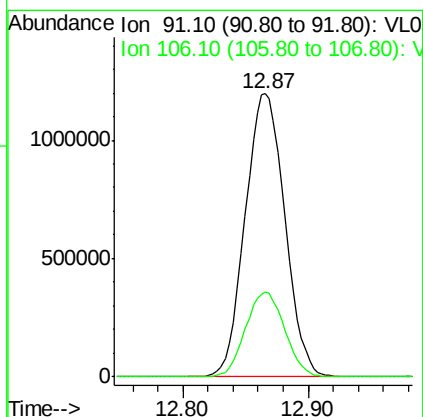
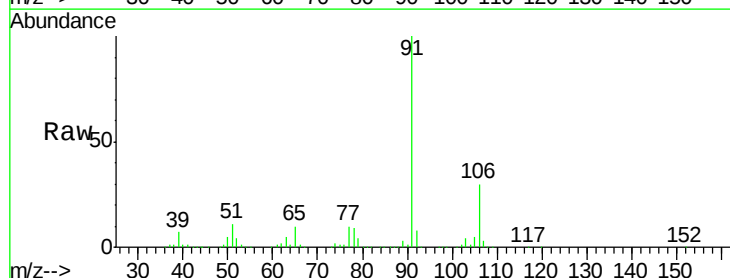
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

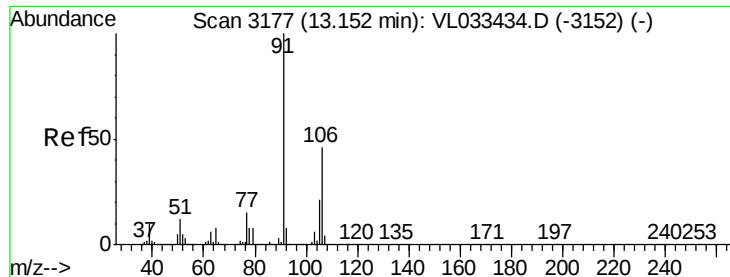
Tot Ion:112 Resp: 1429169
Ion Ratio Lower Upper
112 100
77 66.4 57.3 85.9
114 32.0 29.8 36.4



#58
Ethyl Benzene
Concen: 8.810 ppbv
RT: 12.87 min Scan# 3088
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 91 Resp: 2633679
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.6

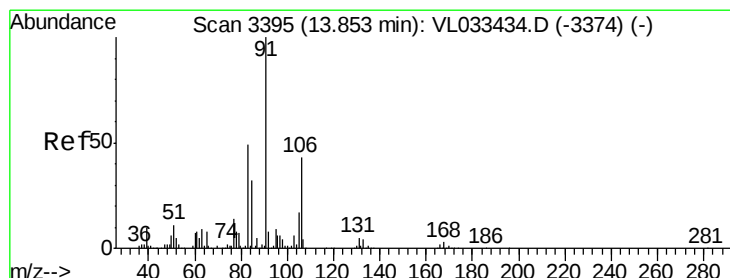
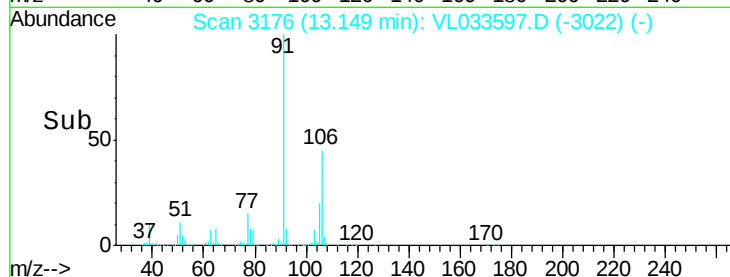
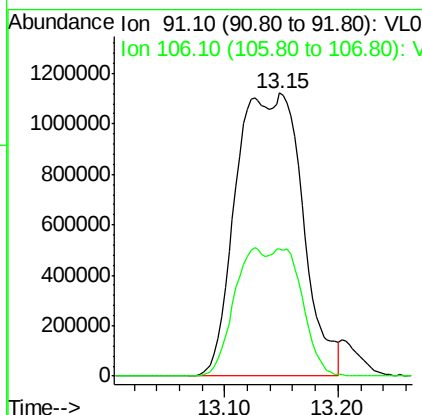
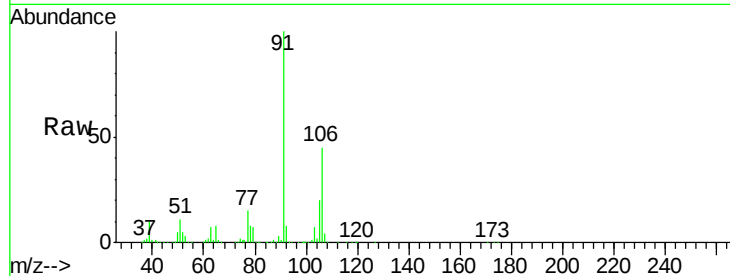




#59
m/p-Xylene
Concen: 17.034 ppbv m
RT: 13.15 min Scan# 3176
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

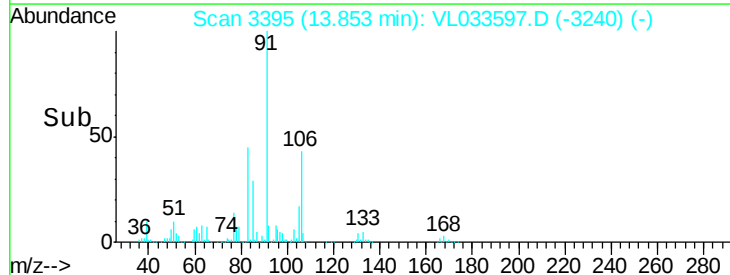
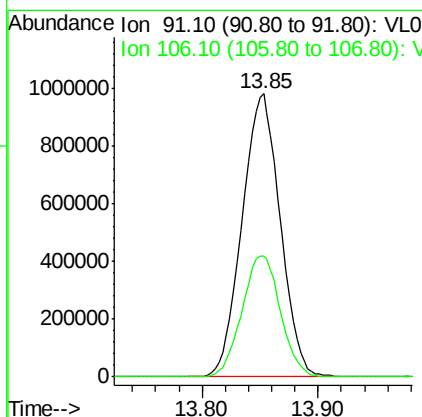
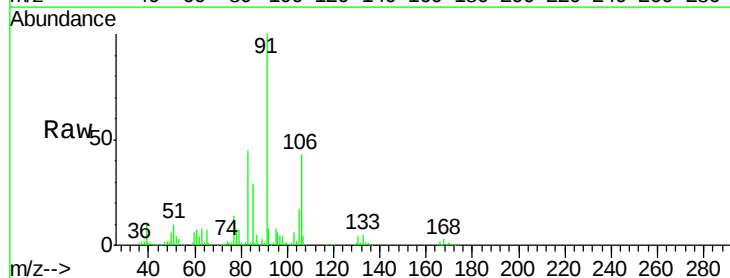
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

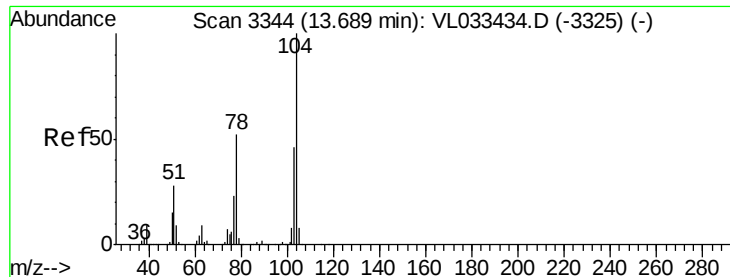
Tot Ion: 91 Resp: 4548340
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 8.668 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 91 Resp: 2238132
Ion Ratio Lower Upper
91 100
106 43.4 21.4 64.3

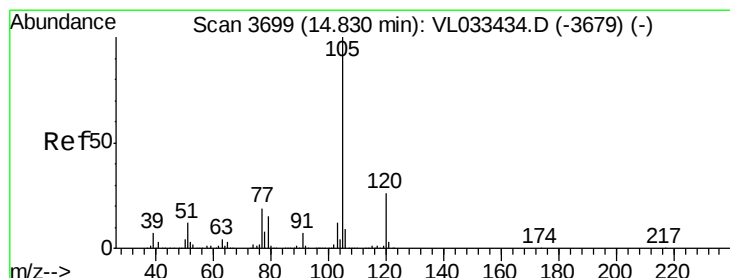
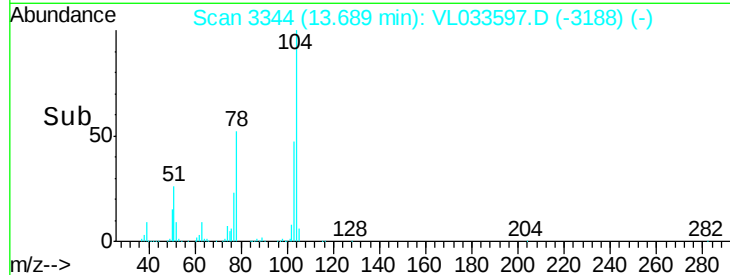
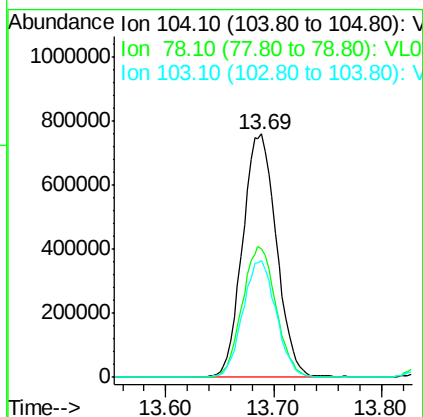
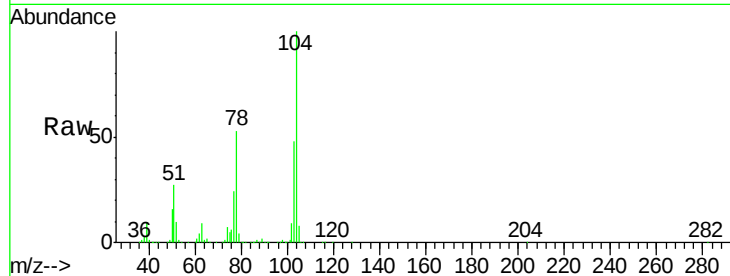




#61
Stvrene
Concen: 9.362 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

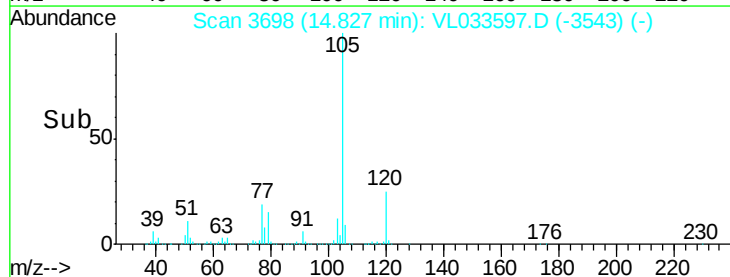
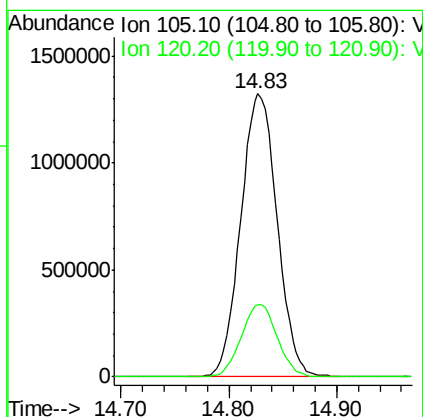
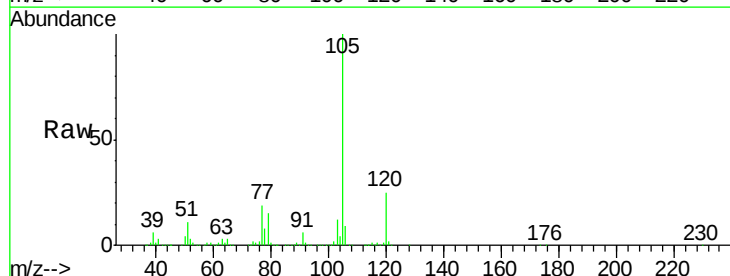
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

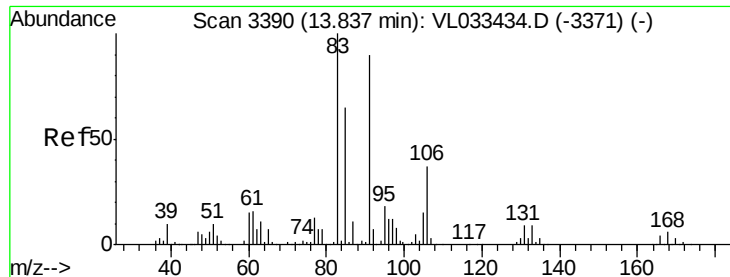
Tot Ion:104 Resp: 1658969
Ion Ratio Lower Upper
104 100
78 53.5 43.2 64.8
103 47.2 37.8 56.8



#62
Isopropylbenzene
Concen: 8.504 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion:105 Resp: 3109306
Ion Ratio Lower Upper
105 100
120 25.3 20.2 30.2

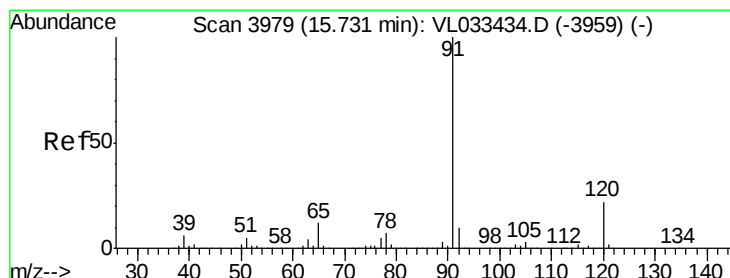
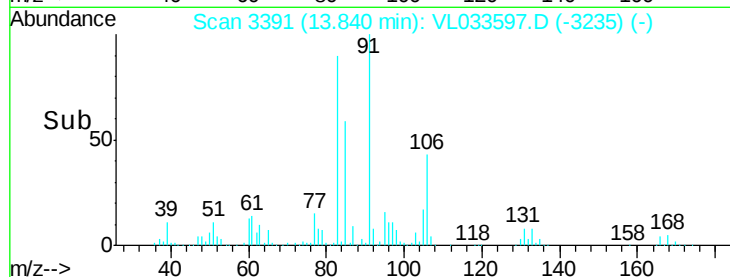
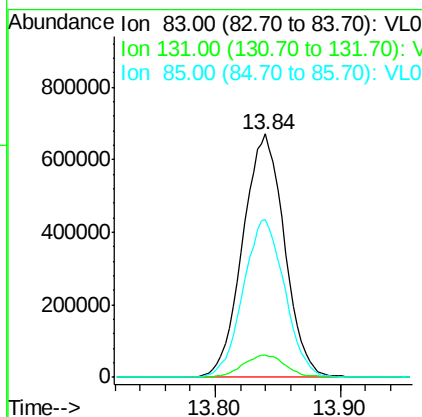
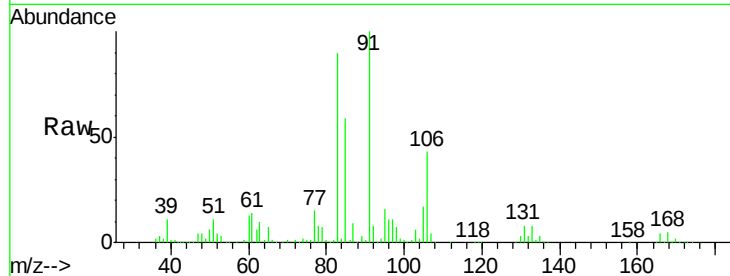




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.148 ppbv
 RT: 13.84 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VL033597.D
 Acq: 16 Apr 2019 18:08

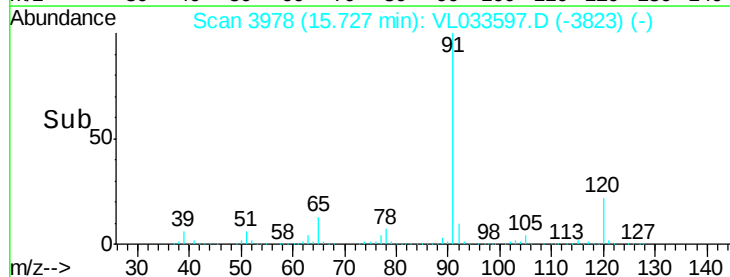
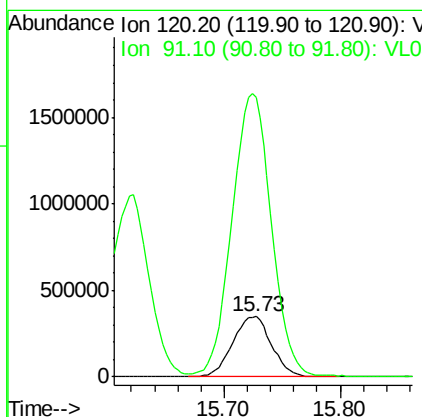
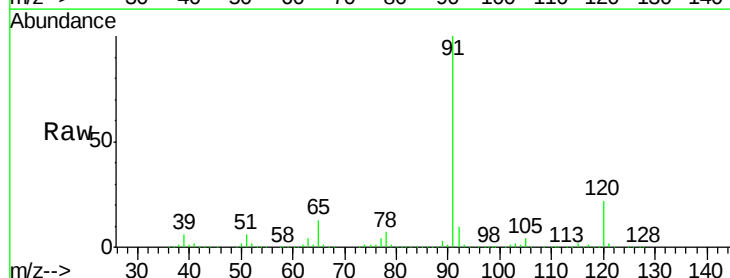
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

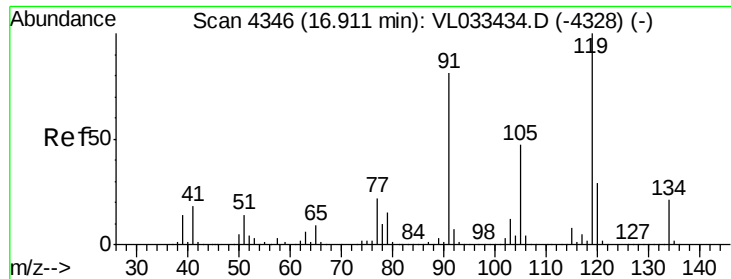
Tot Ion: 83 Resp: 1549123
 Ion Ratio Lower Upper
 83 100
 131 9.4 4.7 14.0
 85 64.8 32.7 98.1



#64
 n-propylbenzene
 Concen: 8.719 ppbv
 RT: 15.73 min Scan# 3978
 Delta R.T. -0.00 min
 Lab File: VL033597.D
 Acq: 16 Apr 2019 18:08

Tgt Ion:120 Resp: 808939
 Ion Ratio Lower Upper
 120 100
 91 478.9 387.4 581.2

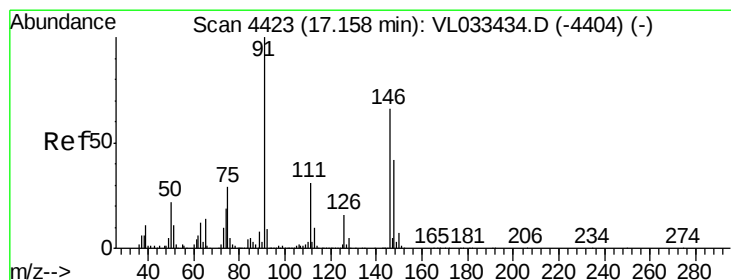
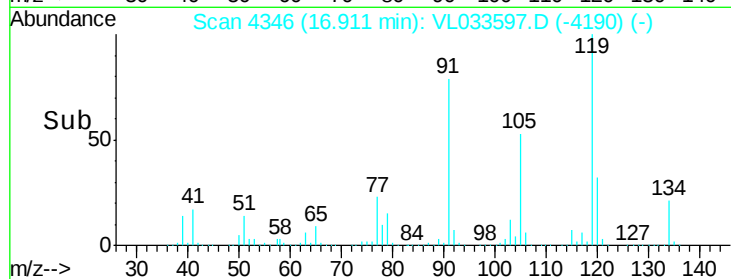
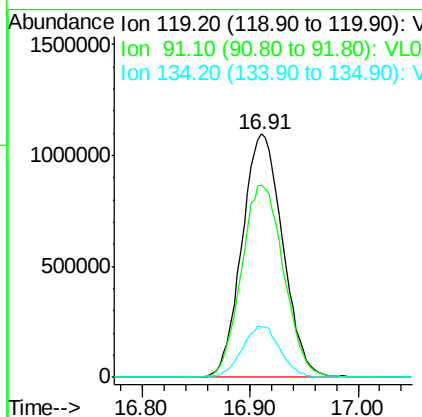
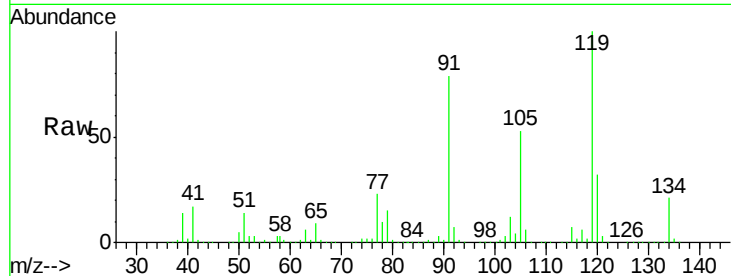




#65
 tert-Butylbenzene
 Concen: 8.913 ppbv
 RT: 16.91 min Scan# 4346
 Delta R.T. -0.00 min
 Lab File: VL033597.D
 Acq: 16 Apr 2019 18:08

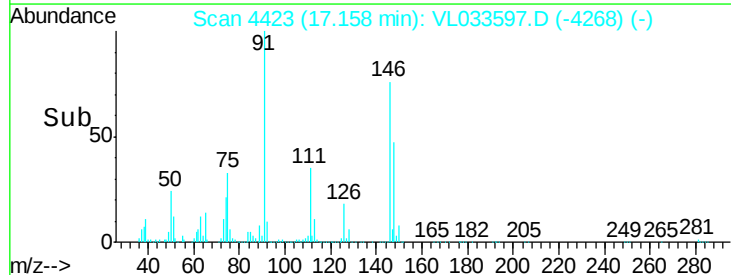
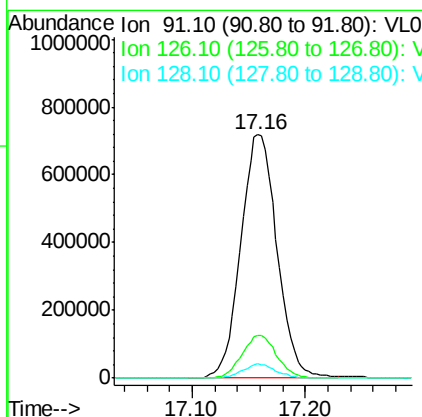
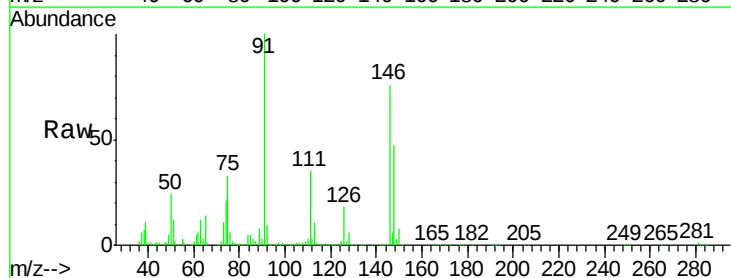
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

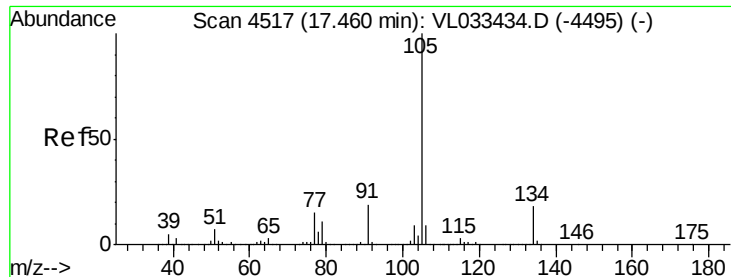
Tot Ion: 119 Resp: 2871850
 Ion Ratio Lower Upper
 119 100
 91 82.2 66.4 99.6
 134 19.9 15.5 23.3



#66
 Benzyl Chloride
 Concen: 10.671 ppbv
 RT: 17.16 min Scan# 4423
 Delta R.T. -0.00 min
 Lab File: VL033597.D
 Acq: 16 Apr 2019 18:08

Tgt Ion: 91 Resp: 1598730
 Ion Ratio Lower Upper
 91 100
 126 16.9 13.0 19.6
 128 5.5 4.2 6.2





#67

sec-Butylbenzene

Concen: 8.766 ppbv

RT: 17.46 min Scan# 4517

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :

MSVOA_L

ClientSampleId :

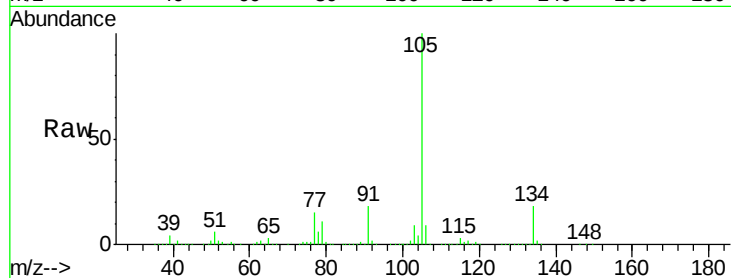
VSTDCCC010EC

Tot Ion:105 Resp: 4016531

Ion Ratio Lower Upper

105 100

134 18.1 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2000000

1500000

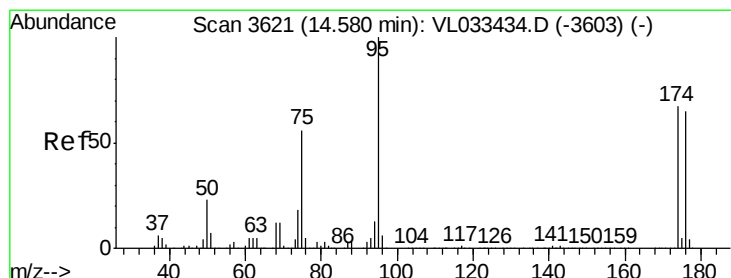
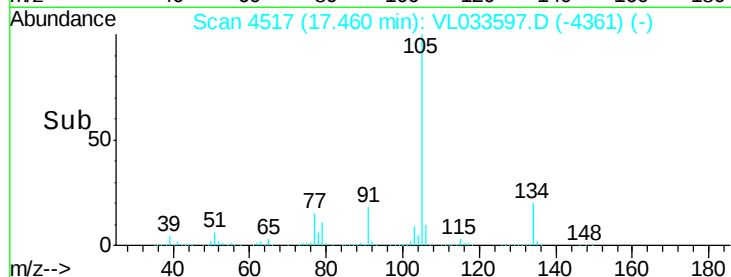
1000000

500000

0

17.40 17.50

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.542 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

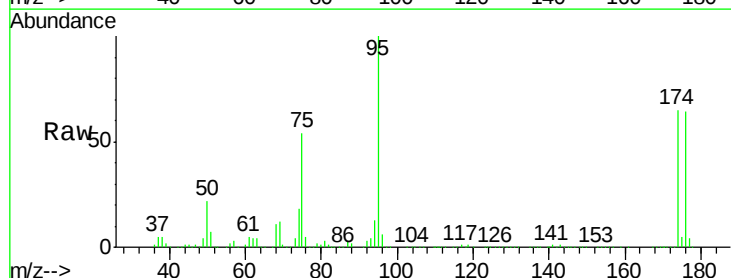
Tgt Ion: 95 Resp: 1674636

Ion Ratio Lower Upper

95 100

174 67.6 52.9 79.3

175 4.9 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1000000

800000

600000

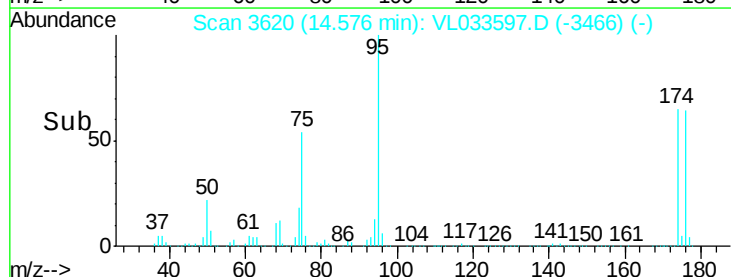
400000

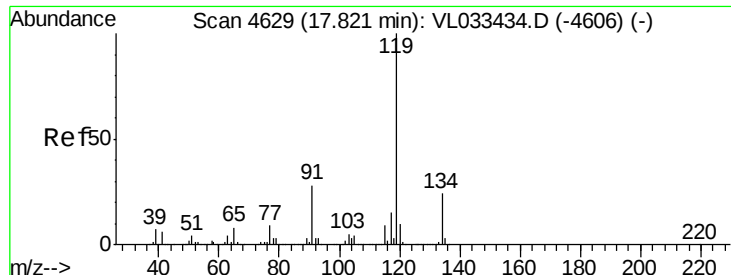
200000

0

14.50 14.60

Time-->

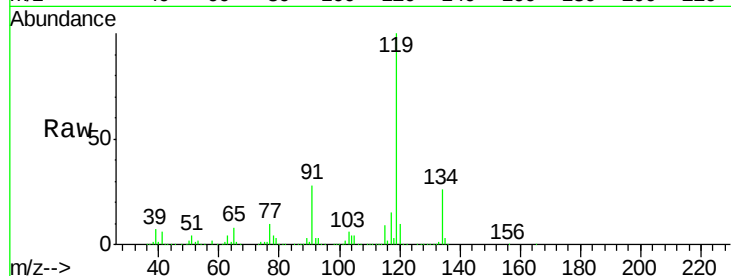




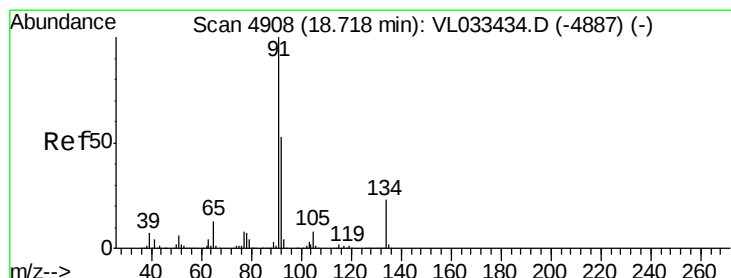
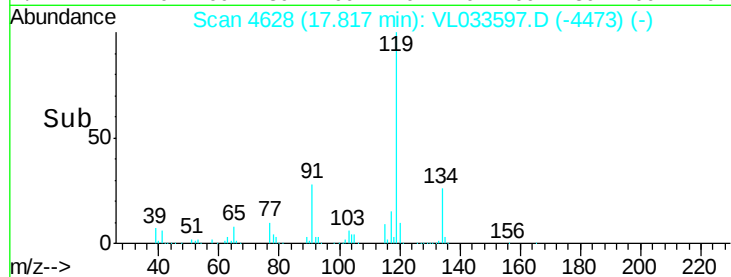
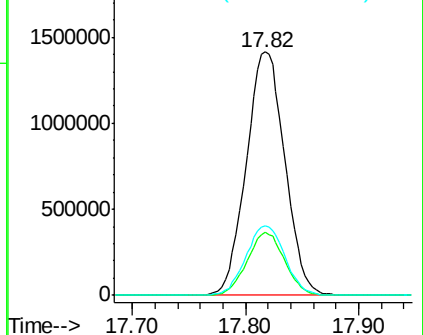
#69
p-Isopropyltoluene
Concen: 8.986 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:119 Resp: 3352301
Ion Ratio Lower Upper
119 100
134 25.2 19.9 29.9
91 29.0 23.4 35.0

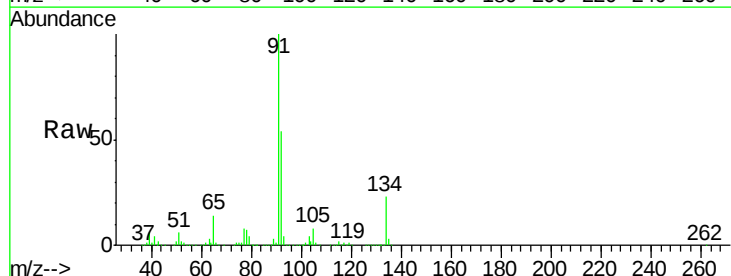


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

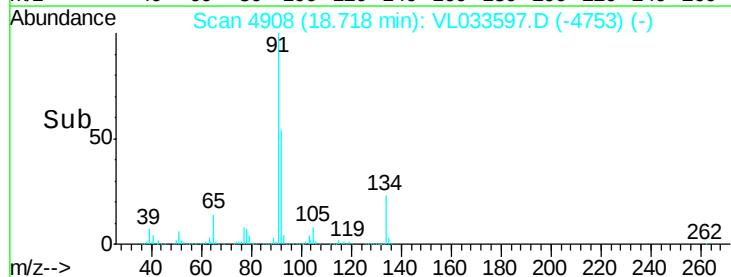
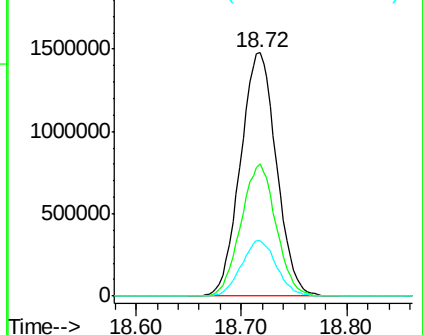


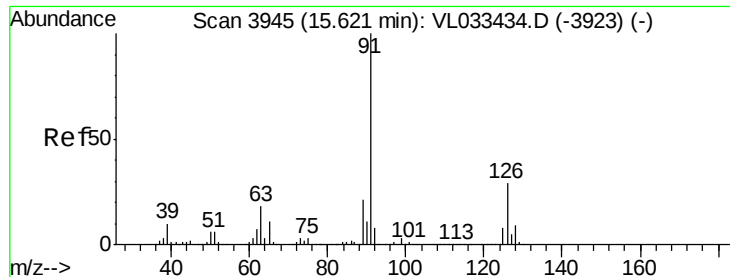
#70
n-Butylbenzene
Concen: 8.863 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 91 Resp: 3503574
Ion Ratio Lower Upper
91 100
92 53.0 42.6 64.0
134 22.3 17.5 26.3



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

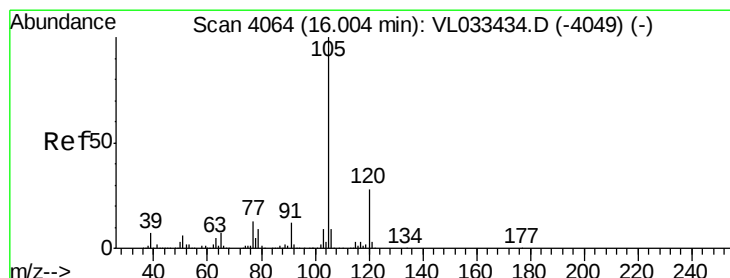
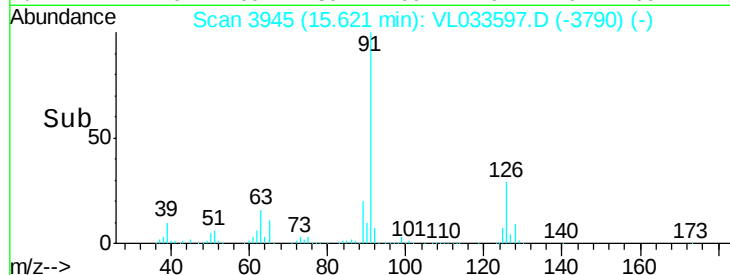
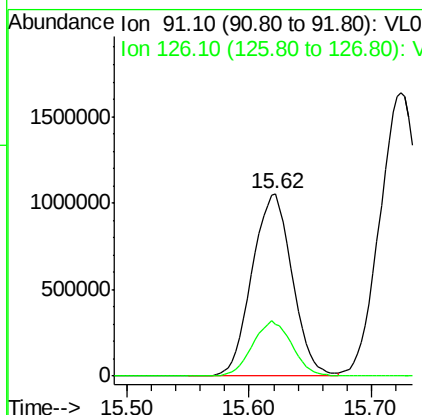
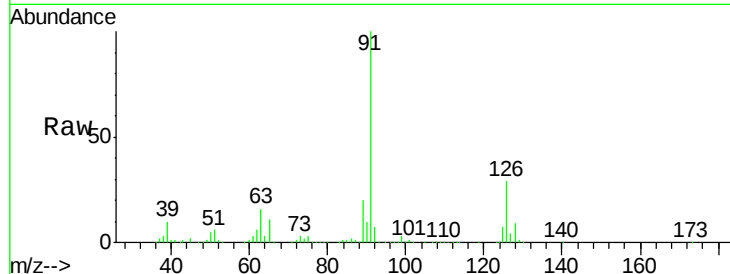




#71
2-Chlorotoluene
Concen: 8.649 ppbv
RT: 15.62 min Scan# 3945
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

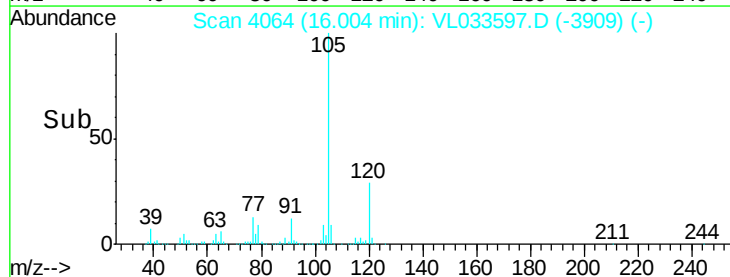
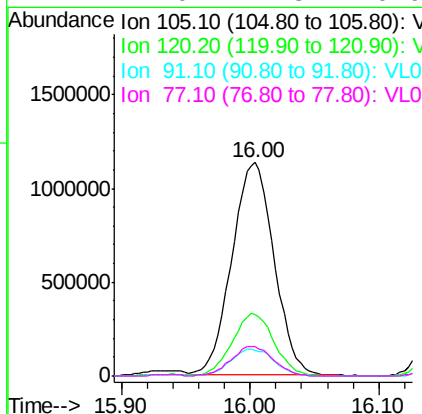
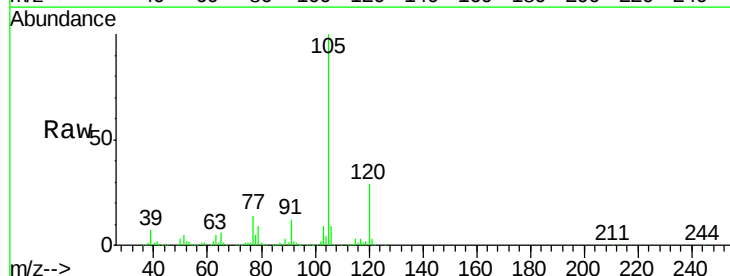
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

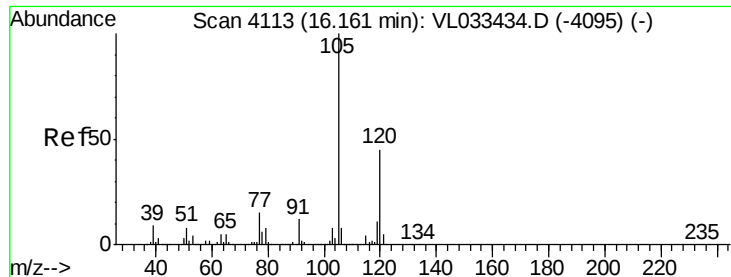
Tot Ion: 91 Resp: 2404755
Ion Ratio Lower Upper
91 100
126 29.7 11.7 46.9



#72
4-Ethyltoluene
Concen: 8.891 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL033597.D
Acq: 16 Apr 2019 18:08

Tgt Ion: 105 Resp: 2580441
Ion Ratio Lower Upper
105 100
120 30.1 23.2 34.8
91 12.9 10.4 15.6
77 14.0 11.3 16.9

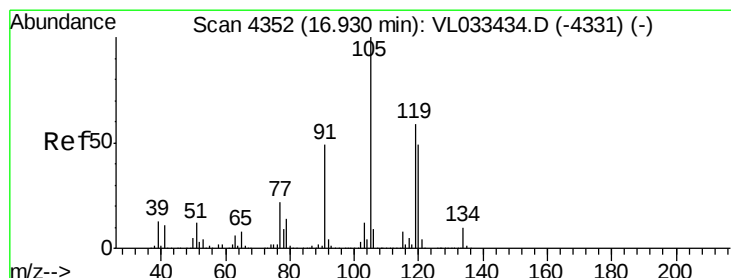
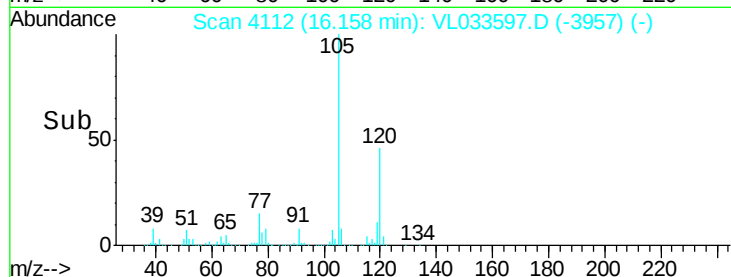
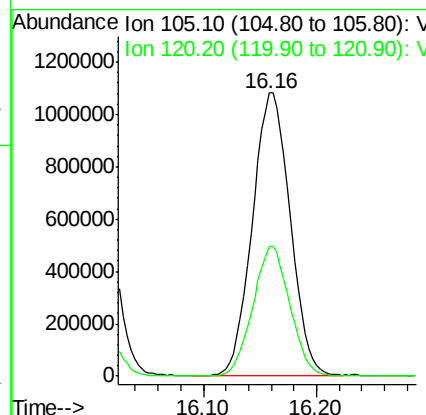
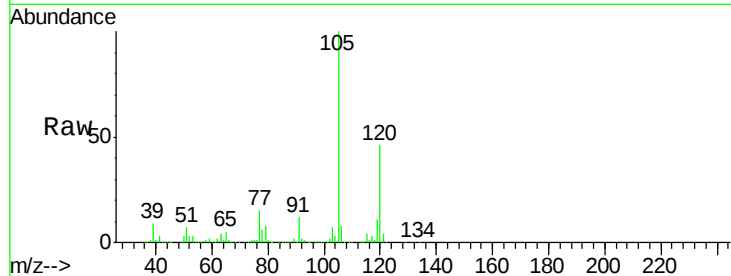




#73
 1,3,5-Trimethylbenzene
 Concen: 9.026 ppbv
 RT: 16.16 min Scan# 4112
 Delta R.T. -0.00 min
 Lab File: VL033597.D
 Acq: 16 Apr 2019 18:08

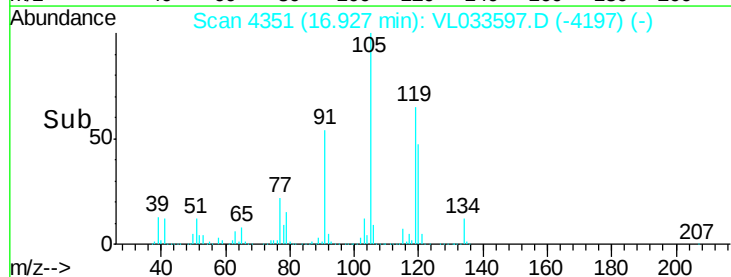
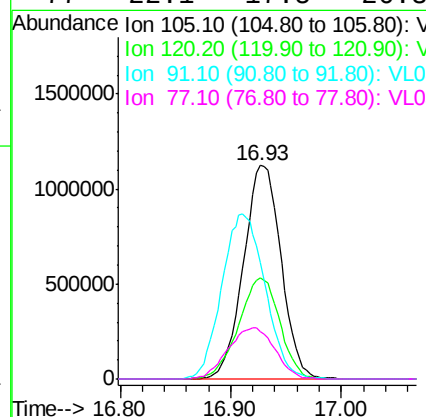
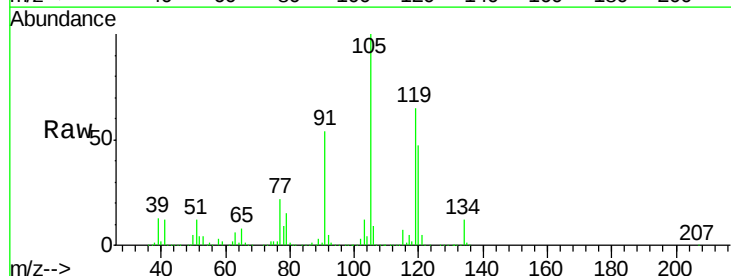
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

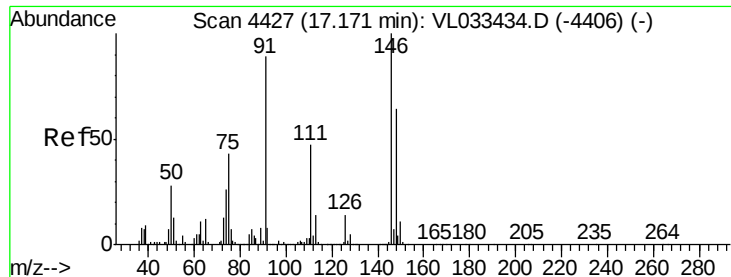
Tot Ion:105 Resp: 2506993
 Ion Ratio Lower Upper
 105 100
 120 45.8 35.7 53.5



#74
 1,2,4-Trimethylbenzene
 Concen: 8.906 ppbv
 RT: 16.93 min Scan# 4351
 Delta R.T. -0.00 min
 Lab File: VL033597.D
 Acq: 16 Apr 2019 18:08

Tgt Ion:105 Resp: 2651177
 Ion Ratio Lower Upper
 105 100
 120 47.1 39.0 58.6
 91 54.2 40.0 60.0
 77 22.1 17.5 26.3





#75

1,3-Dichlorobenzene

Concen: 8.545 ppbv

RT: 17.17 min Scan# 4426

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

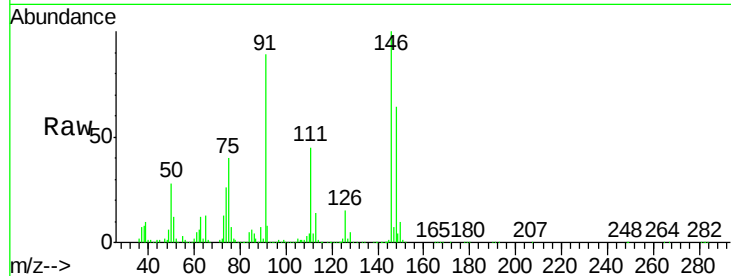
Tot Ion:146 Resp: 1572207

Ion Ratio Lower Upper

146 100

111 44.8 22.9 68.8

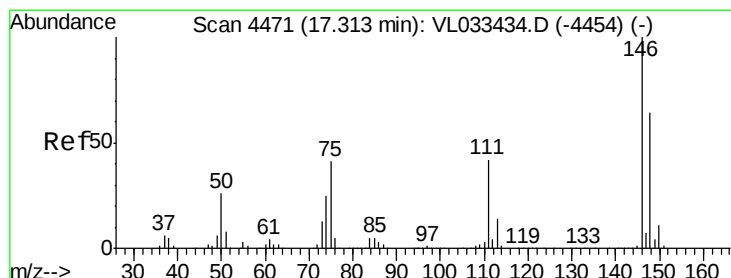
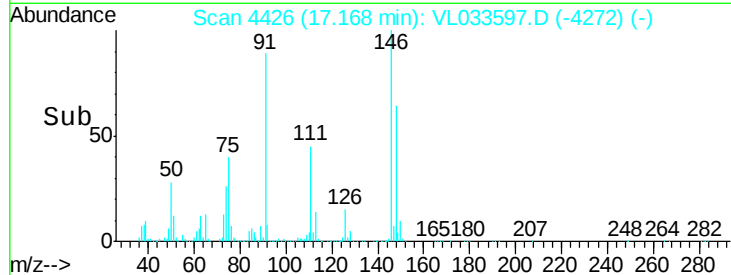
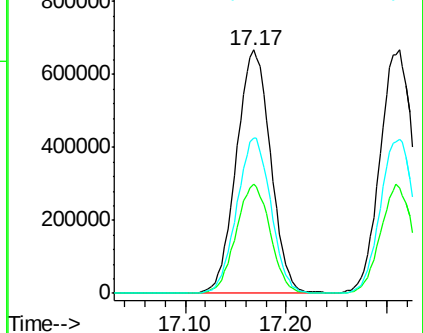
148 63.7 32.0 96.2



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: 8.637 ppbv

RT: 17.31 min Scan# 4471

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

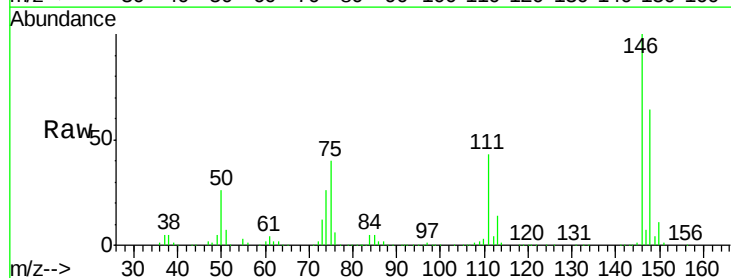
Tgt Ion:146 Resp: 1548435

Ion Ratio Lower Upper

146 100

111 43.4 21.7 65.1

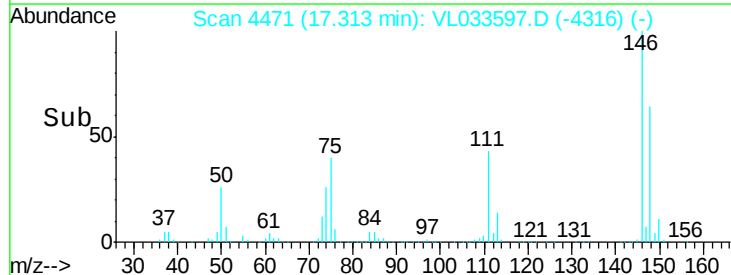
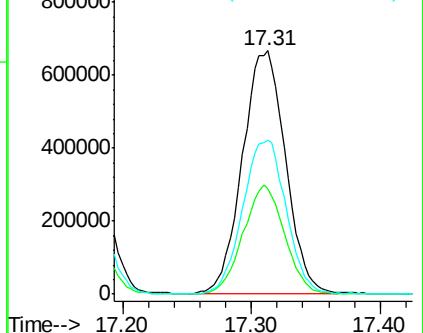
148 64.5 32.0 96.2

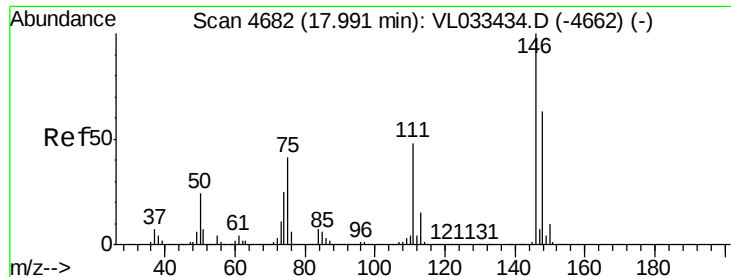


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

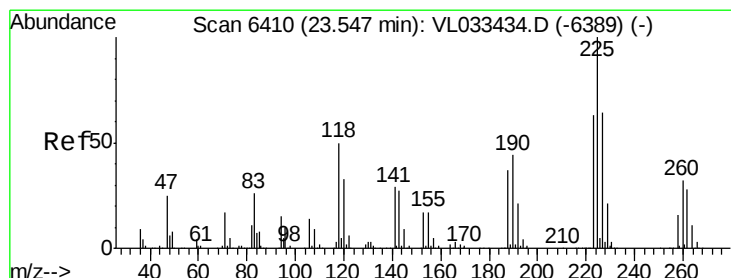
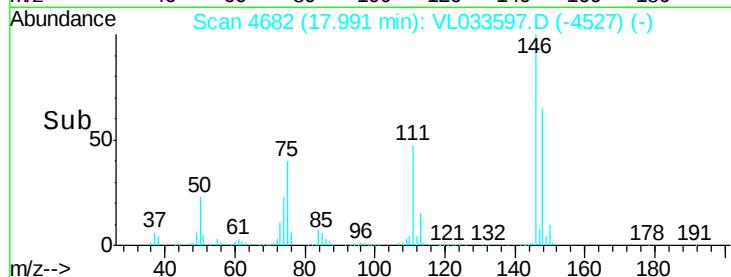
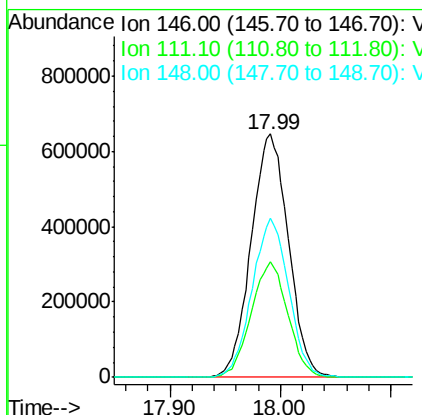
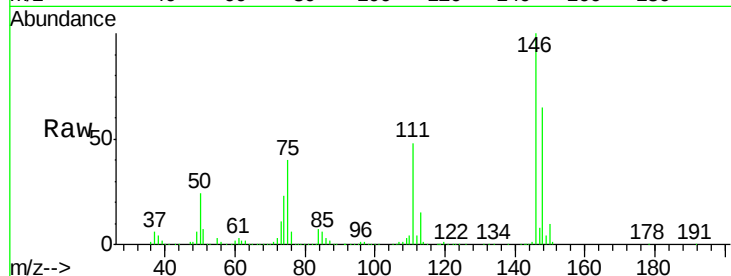




#77
 1,2-Dichlorobenzene
 Concen: 8.662 ppbv
 RT: 17.99 min Scan# 4682
 Delta R.T. -0.00 min
 Lab File: VL033597.D
 Acq: 16 Apr 2019 18:08

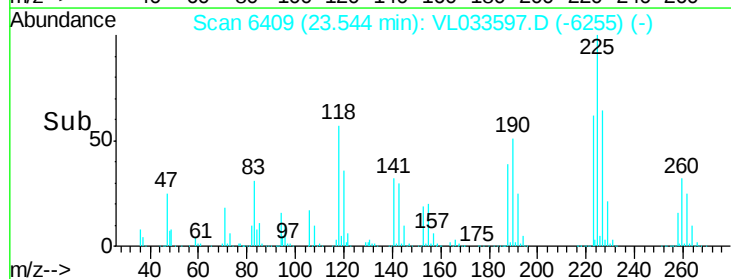
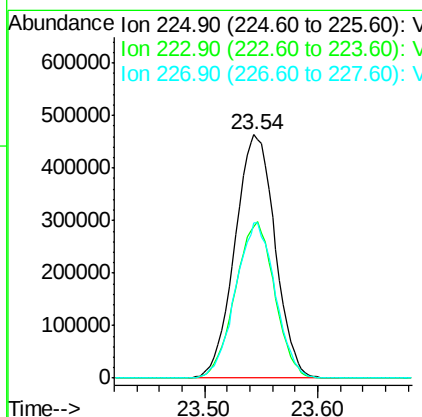
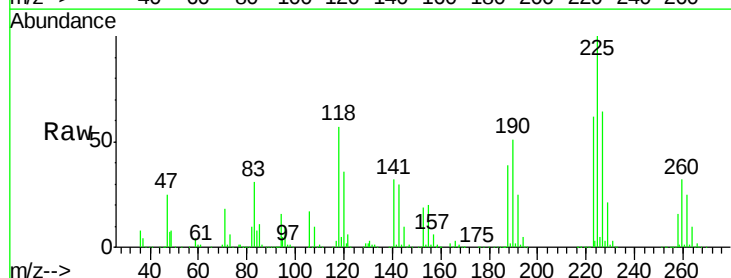
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

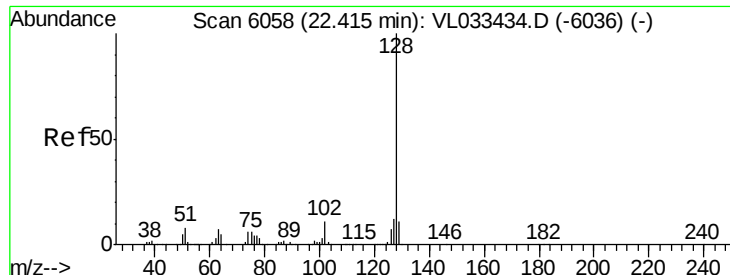
Tot Ion:146 Resp: 1512145
 Ion Ratio Lower Upper
 146 100
 111 46.8 23.5 70.5
 148 64.2 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.896 ppbv
 RT: 23.54 min Scan# 6409
 Delta R.T. -0.00 min
 Lab File: VL033597.D
 Acq: 16 Apr 2019 18:08

Tgt Ion:225 Resp: 1143656
 Ion Ratio Lower Upper
 225 100
 223 63.0 50.0 75.0
 227 63.2 51.1 76.7





#79

Naphthalene

Concen: 10.070 ppbv

RT: 22.41 min Scan# 6057

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

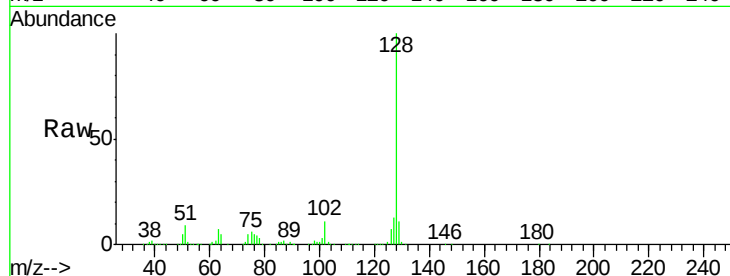
Tot Ion:128 Resp: 2566079

Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.8	14.8
129	11.3	8.6	12.8

128 100

127 13.0 9.8 14.8

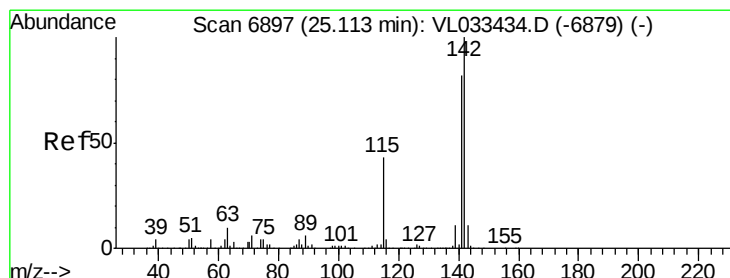
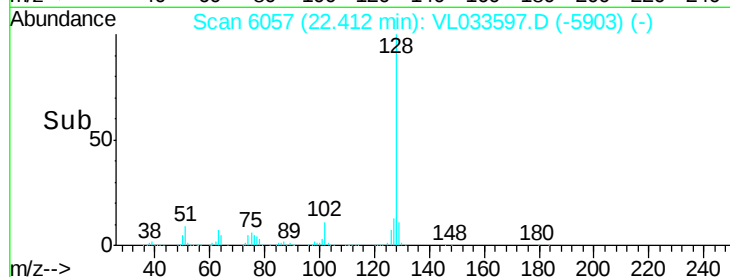
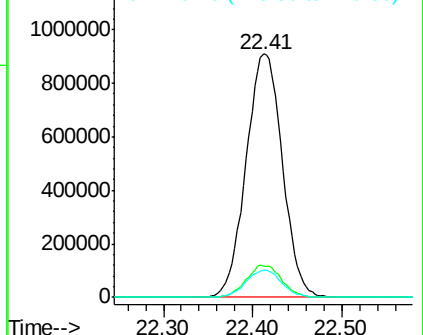
129 11.3 8.6 12.8



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 13.906 ppbv

RT: 25.11 min Scan# 6897

Delta R.T. -0.00 min

Lab File: VL033597.D

Acq: 16 Apr 2019 18:08

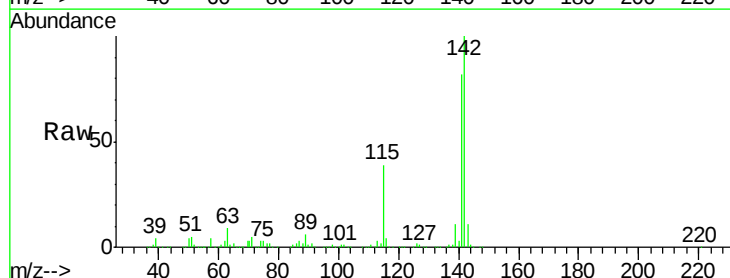
Tgt Ion:142 Resp: 1189272

Ion	Ratio	Lower	Upper
142	100		
141	83.4	66.6	99.8
115	41.2	34.4	51.6

142 100

141 83.4 66.6 99.8

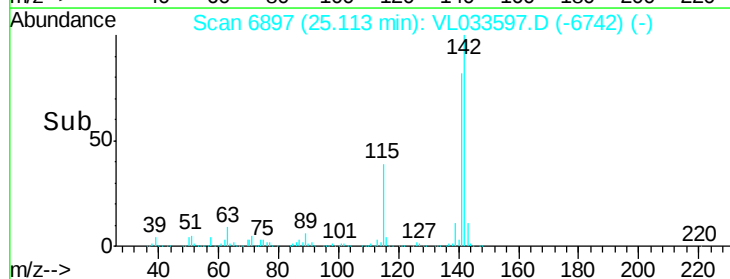
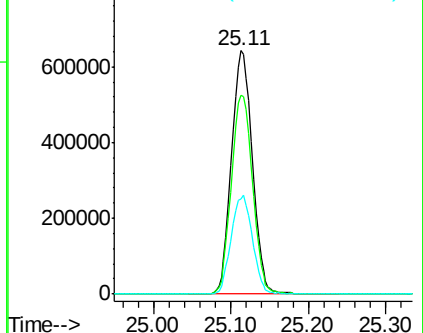
115 41.2 34.4 51.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.537 ppbv
 RT: 22.14 min Scan# 5971
 Delta R.T. -0.01 min
 Lab File: VL033597.D
 Acq: 16 Apr 2019 18:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:180 Resp: 1348088
 Ion Ratio Lower Upper
 180 100
 182 96.3 77.0 115.4
 184 30.3 24.6 36.8

