

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091020\
 Data File : VL035581.D
 Acq On : 10 Sep 2020 12:07
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Sep 11 08:11:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1152701	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	4986606	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	6370641	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	3768857	8.33	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1673447	8.377	ppbv 99
3) Chlorodifluoromethane	2.97	51	1211370	9.502	ppbv 99
4) Chloromethane	3.12	50	641362	9.390	ppbv 100
5) Vinyl Chloride	3.24	62	767694	9.117	ppbv 100
6) Bromomethane	3.46	94	677720	9.582	ppbv 98
7) Chloroethane	3.54	64	292020	9.809	ppbv 97
8) Dichlorotetrafluoroethane	3.17	85	2212955	9.147	ppbv 95
9) Propene	2.99	41	459415	9.347	ppbv 100
10) Heptane	8.12	43	1277476	9.677	ppbv 99
11) Trichlorofluoromethane	3.94	101	2557617	8.779	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1944897	8.845	ppbv 92
13) Ethanol	3.59	45	103612	8.503	ppbv 99
14) Bromoethene	3.73	108	933856	9.867	ppbv 98
15) Acetone	3.84	43	1033897	8.132	ppbv 99
16) 1,3-Butadiene	3.31	39	453344	9.579	ppbv 97
17) tert-Butyl alcohol	4.28	59	1564278	10.108	ppbv 100
18) 1,1-Dichloroethene	4.28	96	929110	9.596	ppbv 96
19) Isopropyl Alcohol	3.95	45	734888	9.690	ppbv 100
20) Methylene Chloride	4.33	84	825708	8.720	ppbv 96
21) Allyl Chloride	4.40	41	628453	10.551	ppbv 99
22) trans-1,2-Dichloroethene	4.87	96	950277	9.219	ppbv 93
23) Vinyl Acetate	5.06	43	1626450	9.968	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1596171	9.505	ppbv 99
25) Ethyl Acetate	5.67	43	2125811	9.465	ppbv 100
26) Hexane	5.68	57	1227155	9.643	ppbv 98
27) Carbon Disulfide	4.54	76	2003754	10.973	ppbv 100
28) Methyl tert-Butyl Ether	5.02	73	2244299	10.119	ppbv 100
29) Chloroform	5.74	83	2480393	9.566	ppbv 99
30) Cyclohexane	7.12	84	1400645	10.274	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1330245	10.189	ppbv 99
32) 1,1,1-Trichloroethane	6.51	97	2488096	9.892	ppbv 100
34) 2-Butanone	5.23	43	1462185	9.880	ppbv 99
35) Carbon Tetrachloride	7.01	117	2561828	10.222	ppbv 100
36) Benzene	6.89	78	3220169	9.976	ppbv 100
37) 1,2-Dichloroethane	6.30	62	1520367	9.879	ppbv 100
38) Trichloroethene	7.83	130	1679640	8.958	ppbv 97
39) 1,2-Dichloropropane	7.61	63	1078550	9.891	ppbv 99
40) 1,4-Dioxane	7.83	88	524978	9.638	ppbv 81
41) Tetrahydrofuran	6.04	42	831970	10.602	ppbv 98
42) Bromodichloromethane	7.79	83	2644153	10.625	ppbv 99
43) Methyl Methacrylate	8.01	69	1337009	10.712	ppbv 99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091020\
 Data File : VL035581.D
 Acq On : 10 Sep 2020 12:07
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Sep 11 08:11:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4078904	9.604	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1519214	12.015	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	1809848	11.528	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	1583137	9.839	ppbv	98
48) Dibromochloromethane	10.30	129	2721120	10.746	ppbv	100
49) Bromoform	13.04	173	2511435	10.943	ppbv	99
50) 4-Methyl-2-Pentanone	8.74	43	2180844	10.177	ppbv	99
51) 2-Hexanone	10.13	43	1876971	10.678	ppbv	98
52) Tetrachloroethene	11.22	164	1667731	8.844	ppbv	99
53) Toluene	9.81	91	4083790	10.061	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2538235	9.984	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	2131865	8.224	ppbv	96
57) Chlorobenzene	12.15	112	3486876	7.437	ppbv	98
58) Ethyl Benzene	12.71	91	5307635	8.079	ppbv	100
59) m/p-Xylene	13.00	91	4679916	8.525	ppbv #	38
60) o-Xylene	13.70	91	4369201	7.903	ppbv	100
61) Styrene	13.53	104	3595066	8.502	ppbv	99
62) Isopropylbenzene	14.67	105	6693648	7.537	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	3147753	7.344	ppbv	100
64) n-propylbenzene	15.57	120	2143333	7.908	ppbv	98
65) tert-Butylbenzene	16.75	119	6338603	7.678	ppbv	99
66) Benzyl Chloride	17.00	91	2228085	10.859	ppbv	99
67) sec-Butylbenzene	17.30	105	8222639	7.476	ppbv	99
69) p-Isopropyltoluene	17.66	119	7251623	7.516	ppbv	99
70) n-Butylbenzene	18.56	91	7090504	7.630	ppbv	99
71) 2-Chlorotoluene	15.46	91	5156235	7.973	ppbv	99
72) 4-Ethyltoluene	15.85	105	5559581	7.910	ppbv	100
73) 1,3,5-Trimethylbenzene	16.00	105	5156949	7.932	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	5382956	7.540	ppbv	99
75) 1,3-Dichlorobenzene	17.00	146	3832383	7.247	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3862676	7.406	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	3797327	7.412	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	2317384	7.085	ppbv	100
79) Naphthalene	22.21	128	6511531	8.220	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	2684018	9.927	ppbv	99
81) 1,2,4-Trichlorobenzene	21.94	180	3640927	7.675	ppbv	100

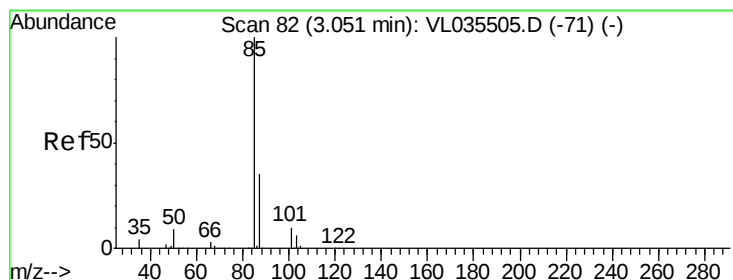
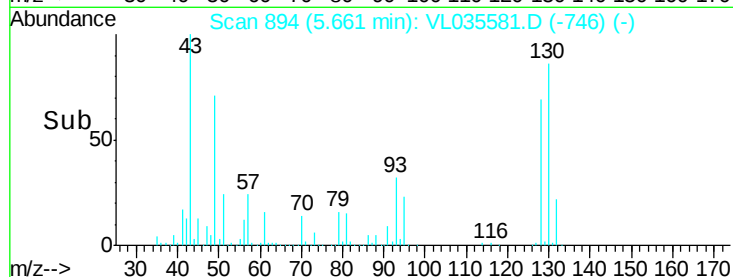
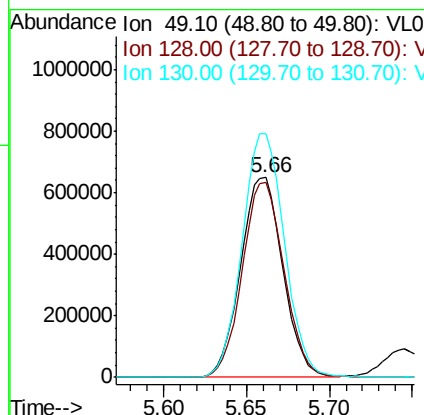
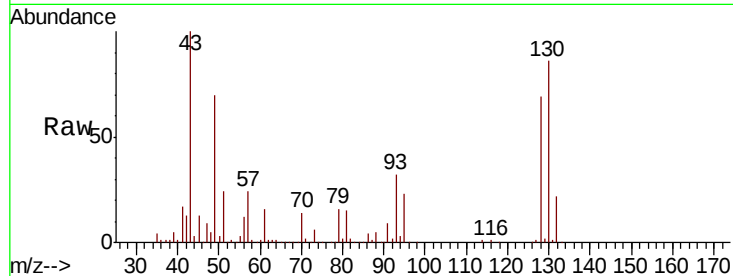
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

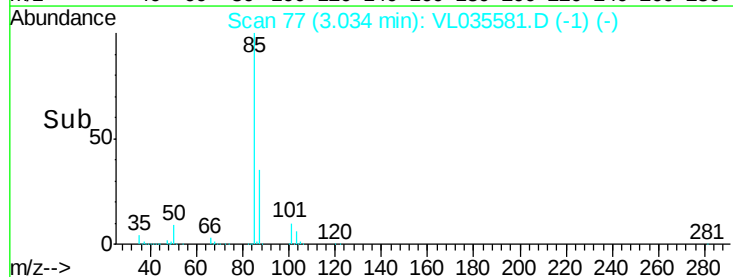
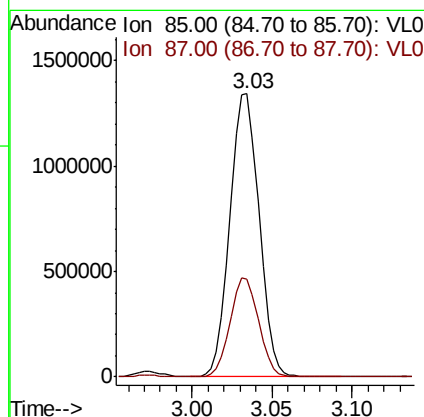
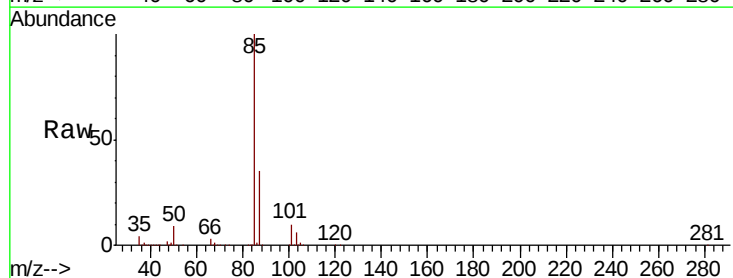
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

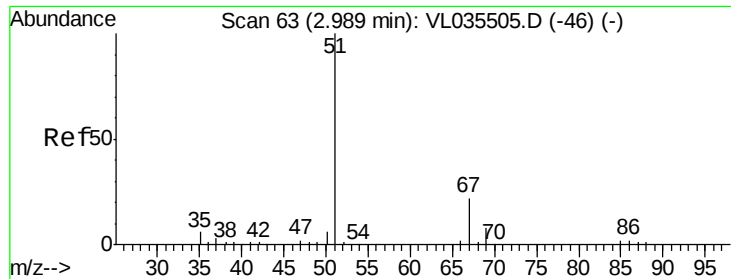
Tot Ion: 49 Resp: 1152701
Ion Ratio Lower Upper
49 100
128 96.6 50.0 150.1
130 122.7 64.4 193.2



#2
Dichlorodifluoromethane
Concen: 8.377 ppbv
RT: 3.03 min Scan# 77
Delta R.T. -0.02 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tgt Ion: 85 Resp: 1673447
Ion Ratio Lower Upper
85 100
87 34.5 28.0 42.0





#3

Chlorodifluoromethane

Concen: 9.502 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

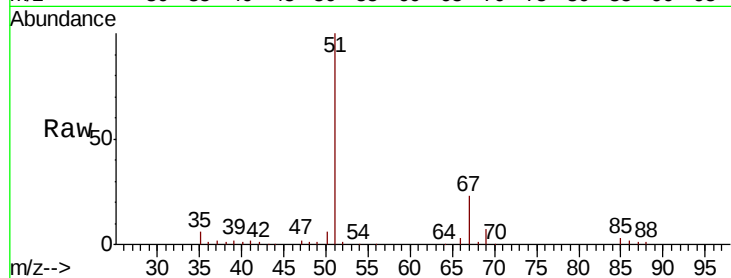
VSTDCCC010

Tot Ion: 51 Resp: 1211370

Ion Ratio Lower Upper

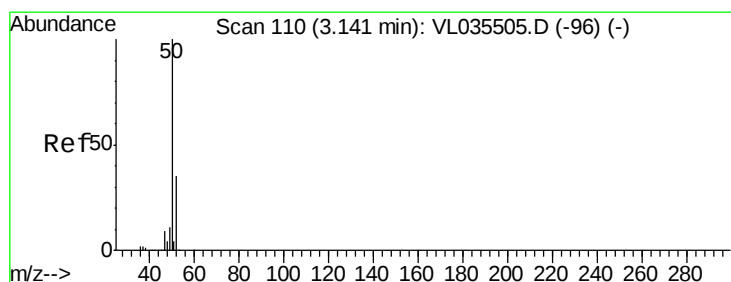
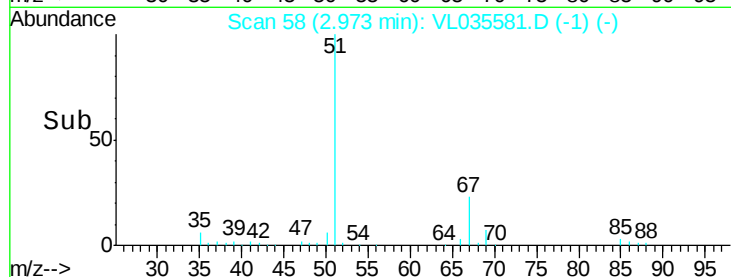
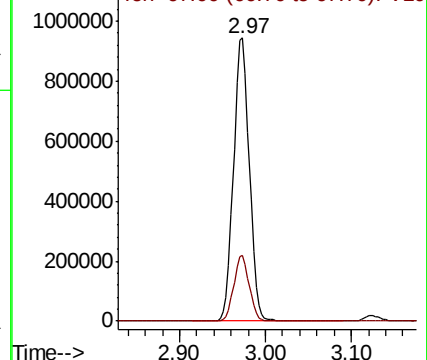
51 100

67 22.6 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.390 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL035581.D

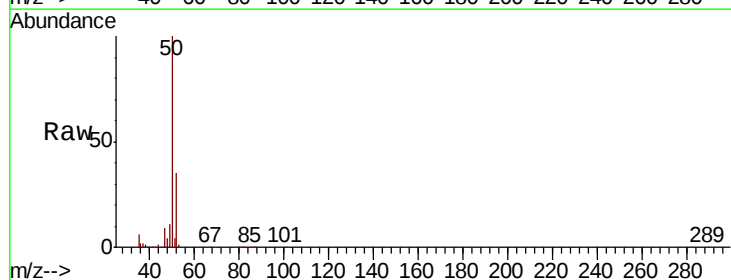
Acq: 10 Sep 2020 12:07

Tgt Ion: 50 Resp: 641362

Ion Ratio Lower Upper

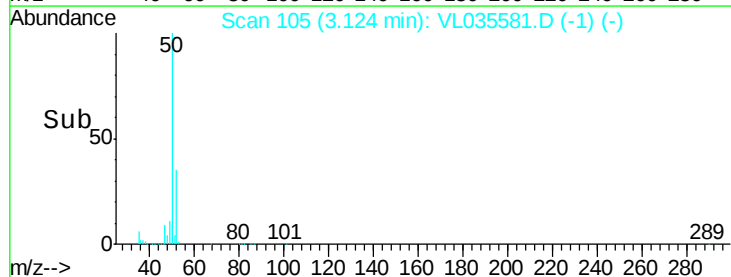
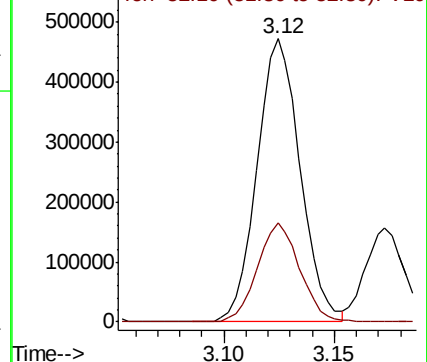
50 100

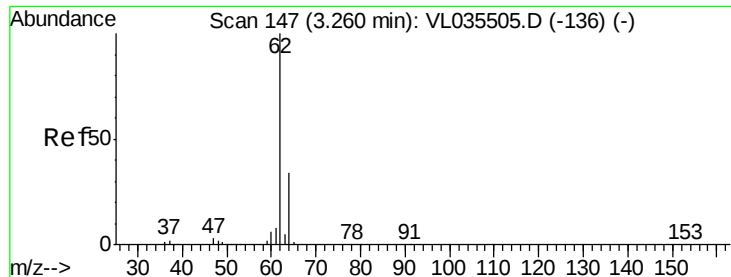
52 34.8 27.7 41.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.117 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

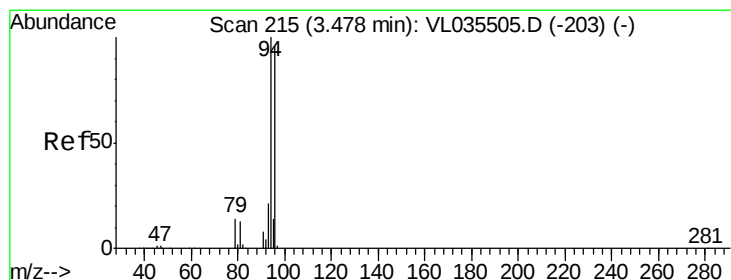
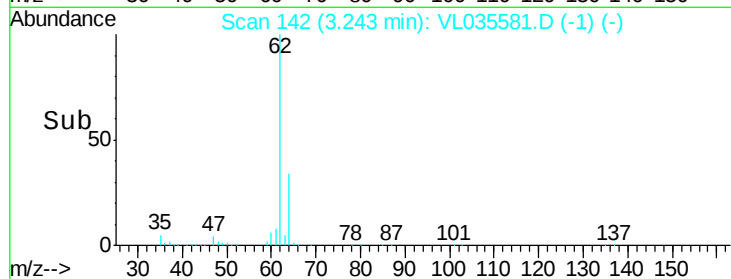
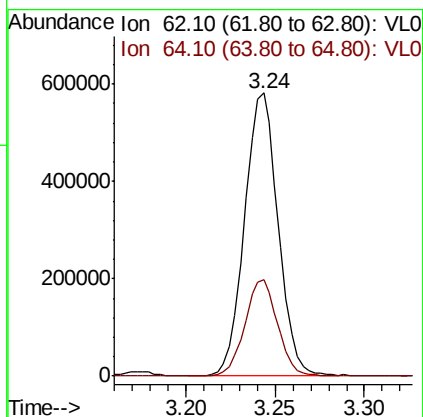
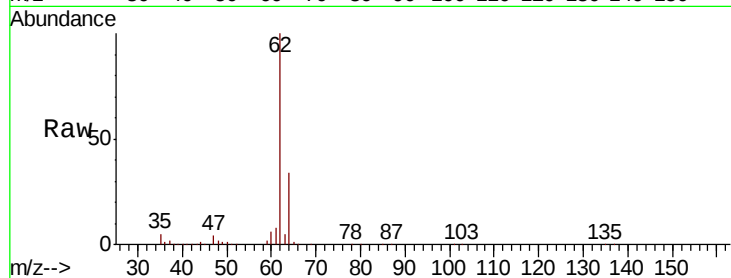
VSTDCCC010

Tot Ion: 62 Resp: 767694

Ion Ratio Lower Upper

62 100

64 34.1 27.4 41.2



#6

Bromomethane

Concen: 9.582 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.02 min

Lab File: VL035581.D

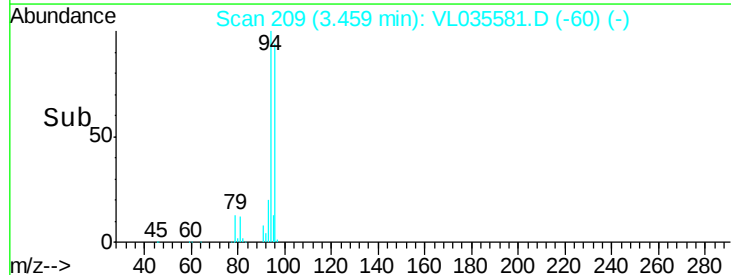
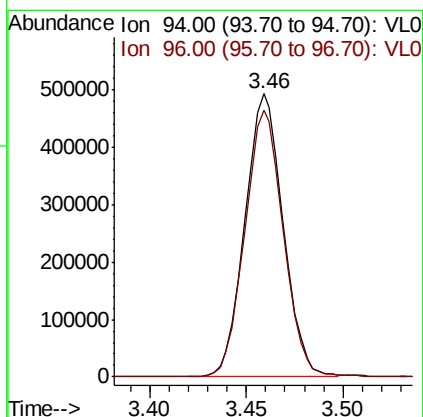
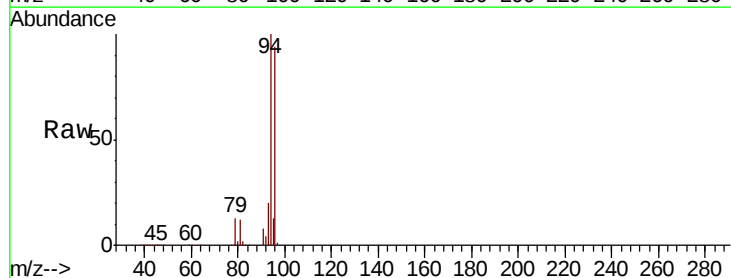
Acq: 10 Sep 2020 12:07

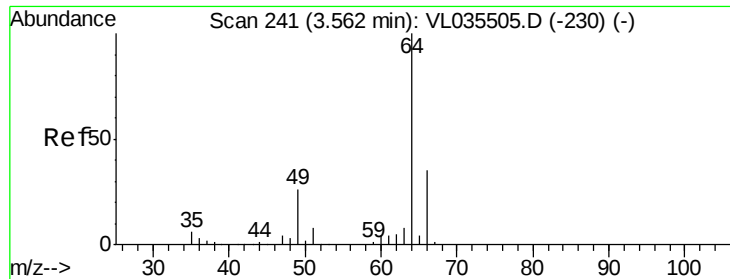
Tgt Ion: 94 Resp: 677720

Ion Ratio Lower Upper

94 100

96 94.2 77.1 115.7





#7

Chloroethane

Concen: 9.809 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

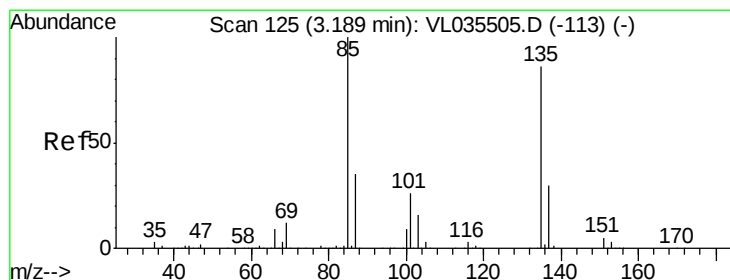
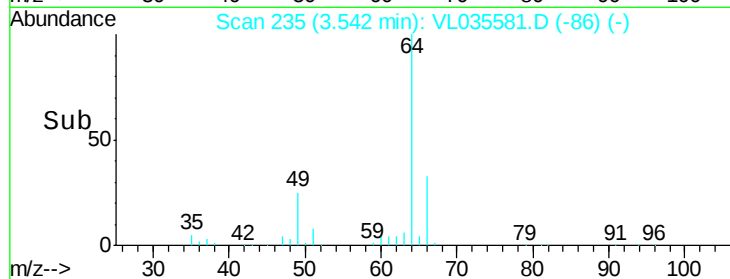
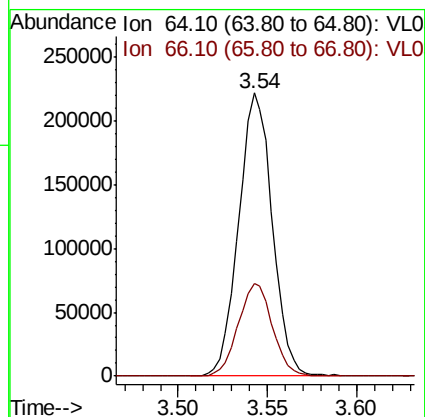
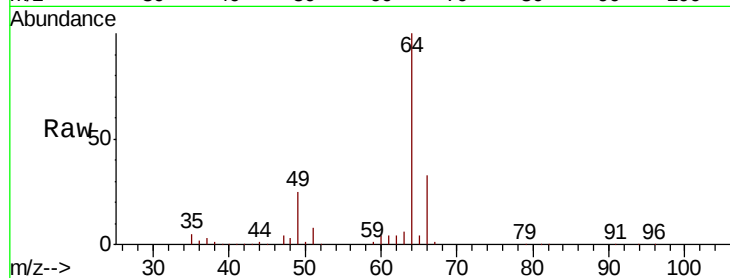
VSTDCCC010

Tot Ion: 64 Resp: 292020

Ion Ratio Lower Upper

64 100

66 32.7 27.7 41.5



#8

Dichlorotetrafluoroethane

Concen: 9.147 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.02 min

Lab File: VL035581.D

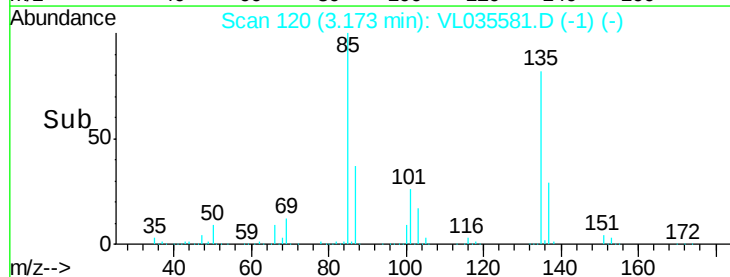
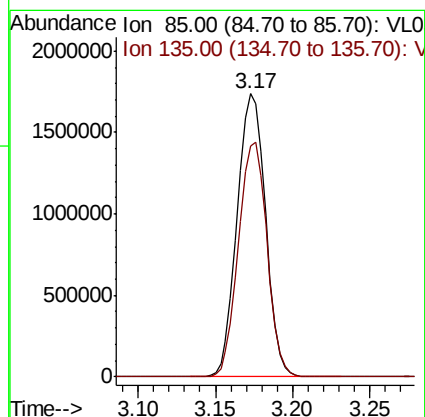
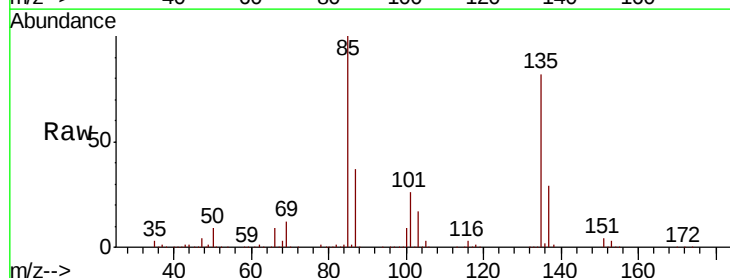
Acq: 10 Sep 2020 12:07

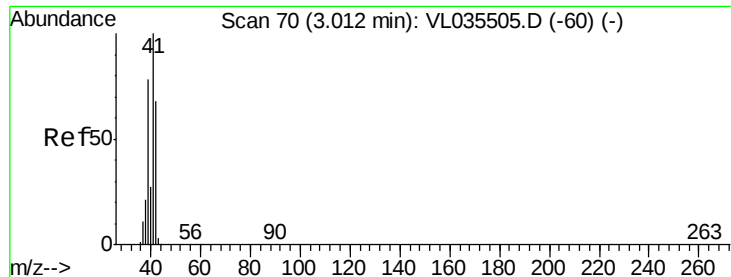
Tgt Ion: 85 Resp: 2212955

Ion Ratio Lower Upper

85 100

135 83.7 70.4 105.6





#9

Propene

Concen: 9.347 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

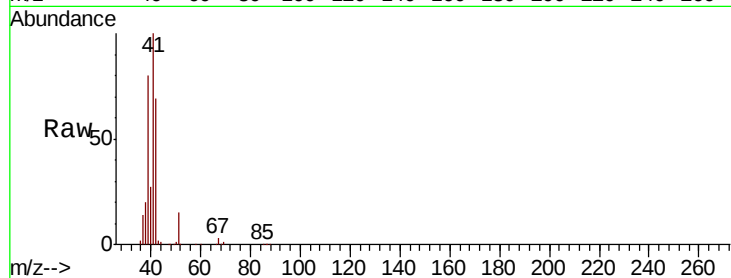
VSTDCCC010

Tot Ion: 41 Resp: 459415

Ion Ratio Lower Upper

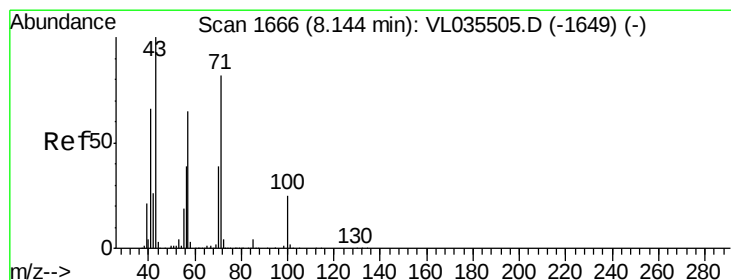
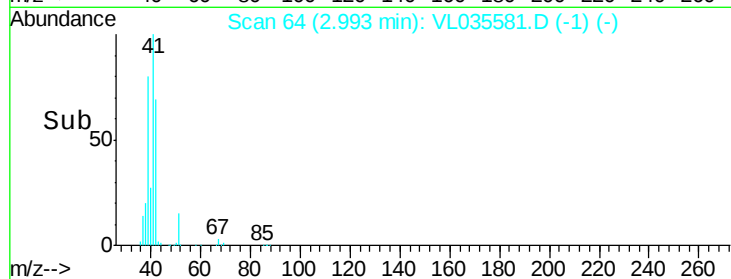
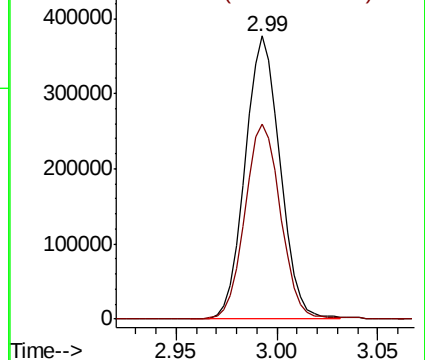
41 100

42 70.7 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.677 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.03 min

Lab File: VL035581.D

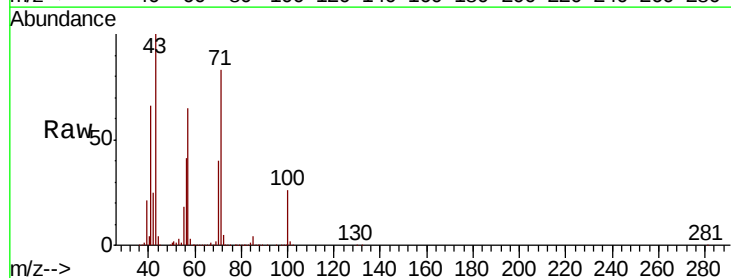
Acq: 10 Sep 2020 12:07

Tgt Ion: 43 Resp: 1277476

Ion Ratio Lower Upper

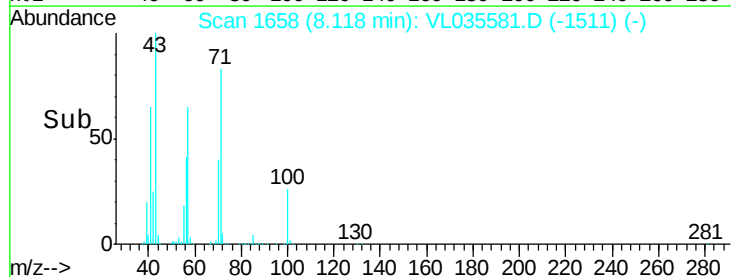
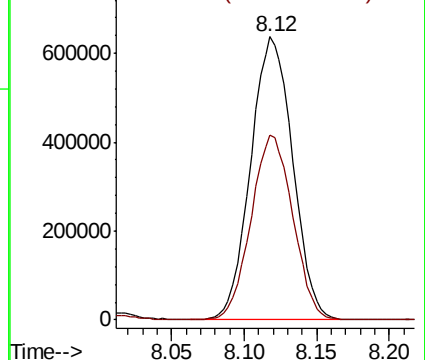
43 100

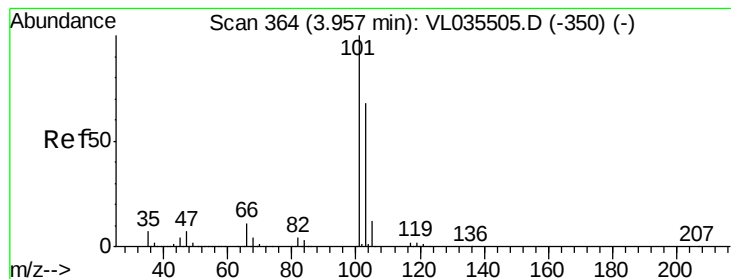
57 65.1 51.4 77.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 8.779 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

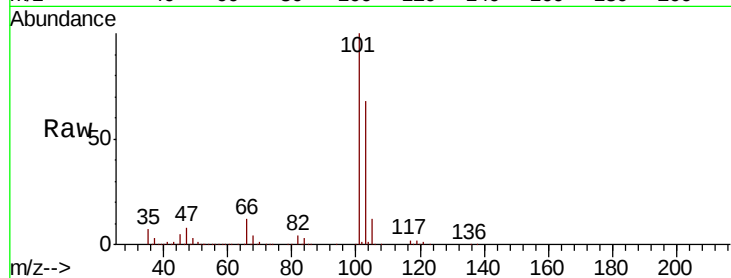
VSTDCCC010

Tot Ion:101 Resp: 2557617

Ion Ratio Lower Upper

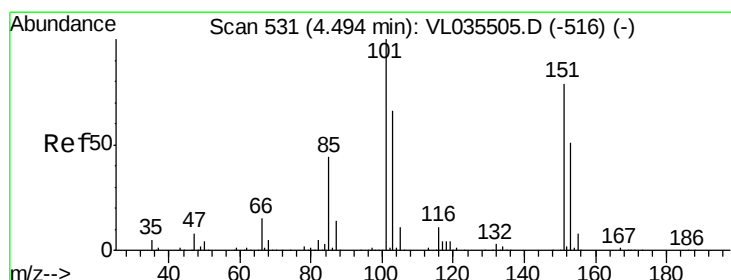
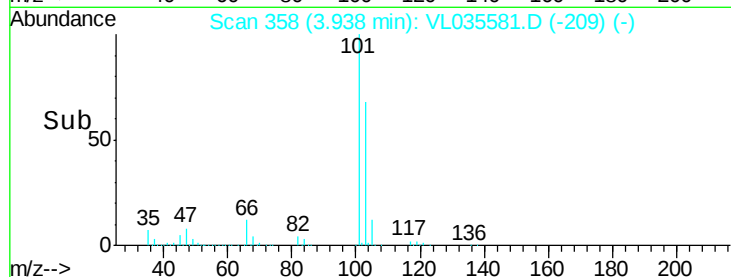
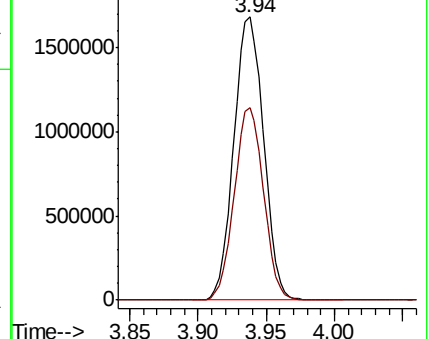
101 100

103 68.0 54.5 81.7



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: 8.845 ppbv

RT: 4.47 min Scan# 524

Delta R.T. -0.02 min

Lab File: VL035581.D

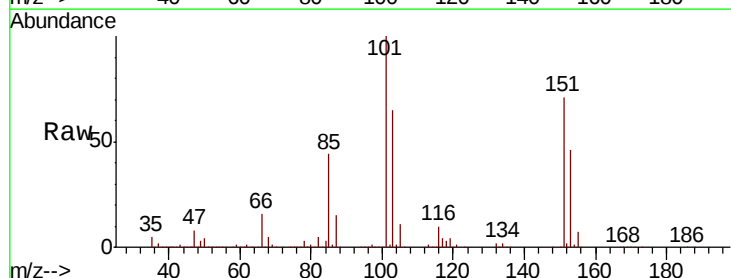
Acq: 10 Sep 2020 12:07

Tgt Ion:101 Resp: 1944897

Ion Ratio Lower Upper

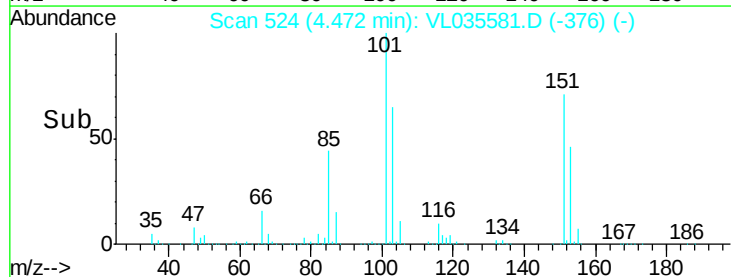
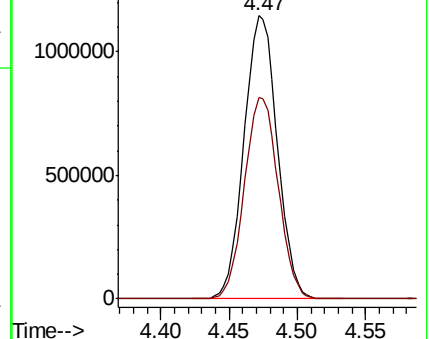
101 100

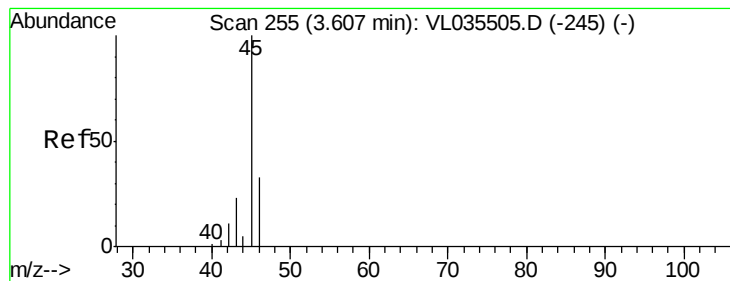
151 72.5 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.503 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

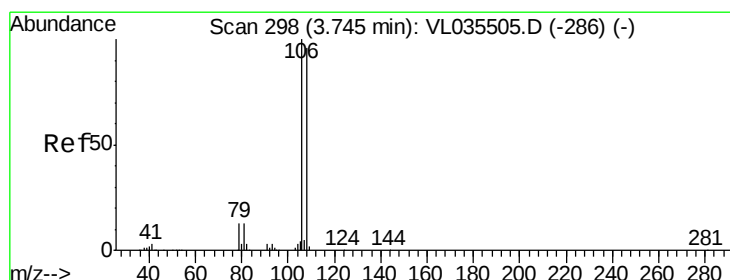
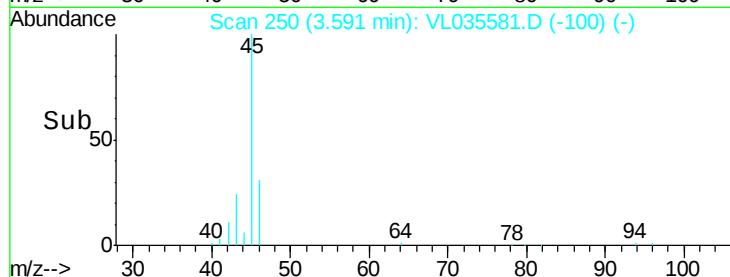
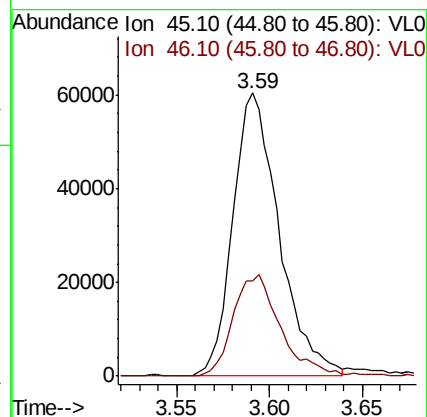
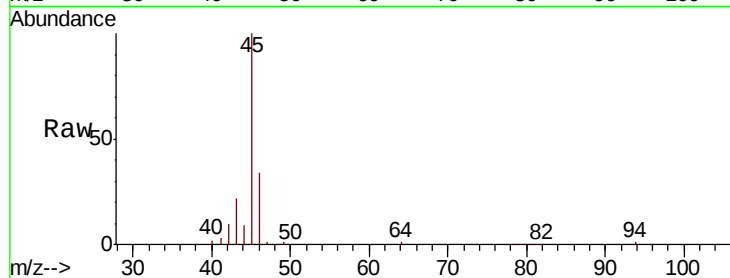
VSTDCCC010

Tot Ion: 45 Resp: 103612

Ion Ratio Lower Upper

45 100

46 37.1 15.2 60.6



#14

Bromoethene

Concen: 9.867 ppbv

RT: 3.73 min Scan# 292

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

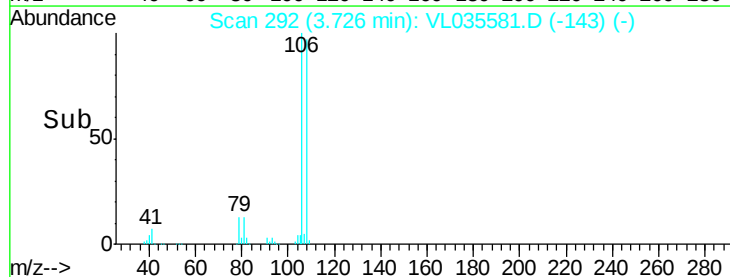
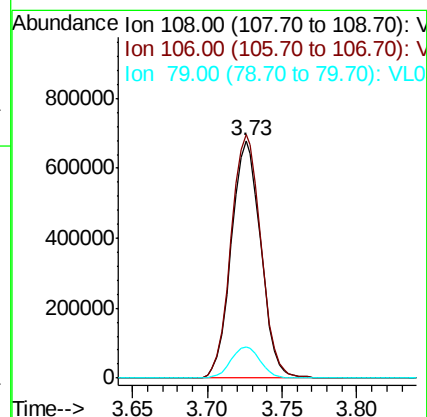
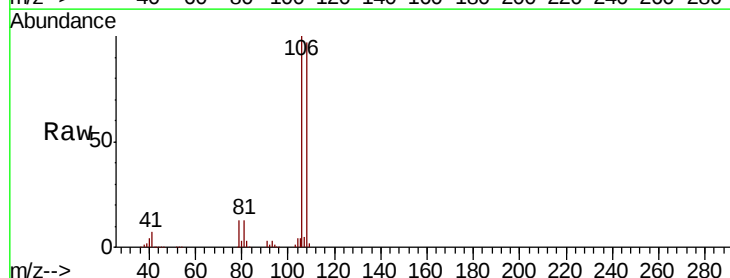
Tgt Ion: 108 Resp: 933856

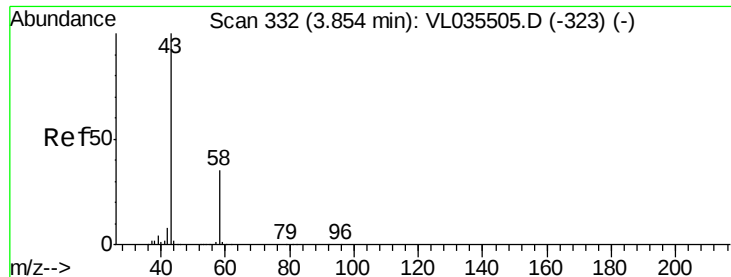
Ion Ratio Lower Upper

108 100

106 104.3 84.9 127.3

79 13.3 10.8 16.2





#15

Acetone

Concen: 8.132 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

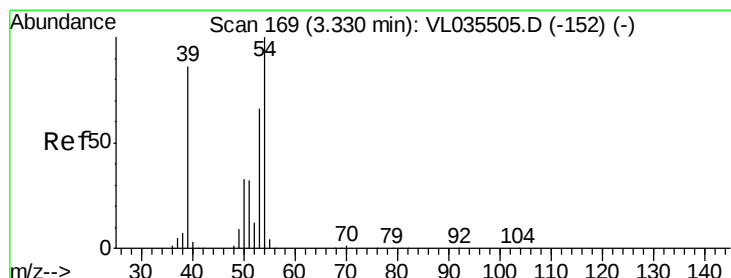
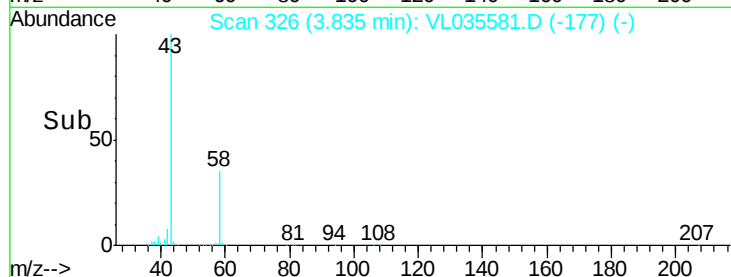
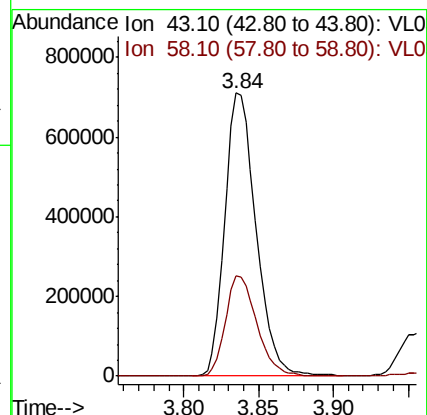
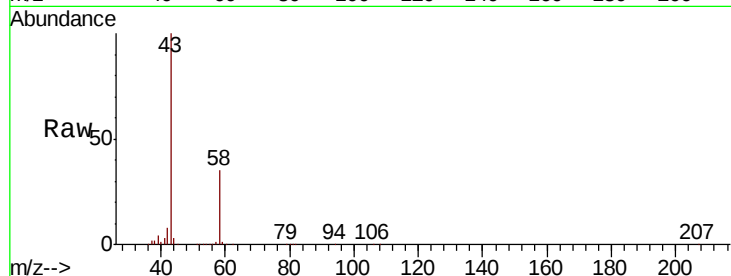
VSTDCCC010

Tot Ion: 43 Resp: 1033897

Ion Ratio Lower Upper

43 100

58 35.8 28.4 42.6



#16

1,3-Butadiene

Concen: 9.579 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.02 min

Lab File: VL035581.D

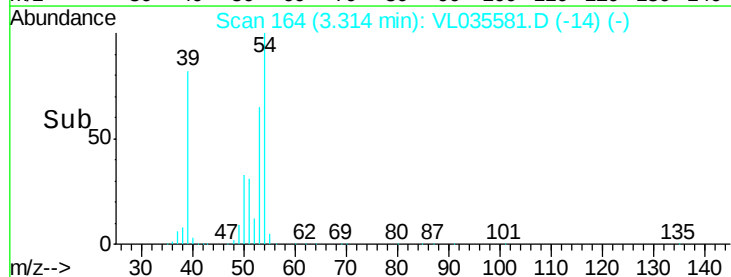
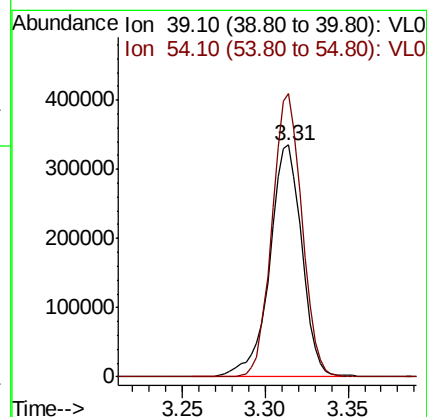
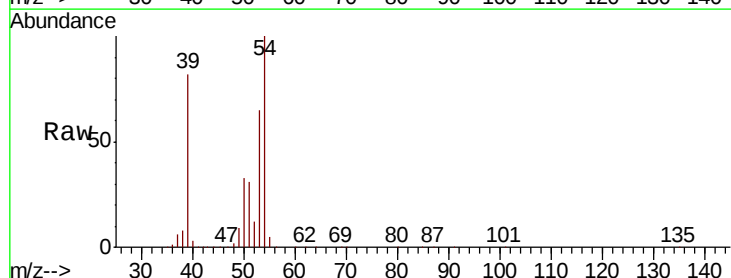
Acq: 10 Sep 2020 12:07

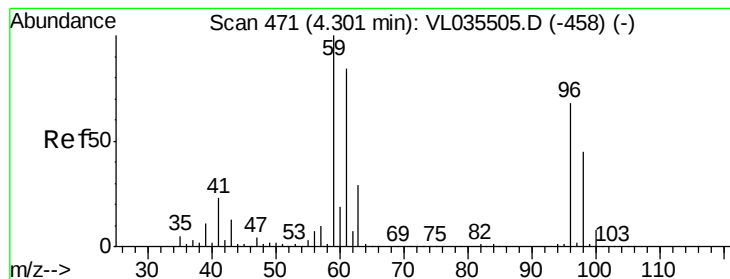
Tgt Ion: 39 Resp: 453344

Ion Ratio Lower Upper

39 100

54 113.7 88.4 132.6





#17

tert-Butyl alcohol

Concen: 10.108 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

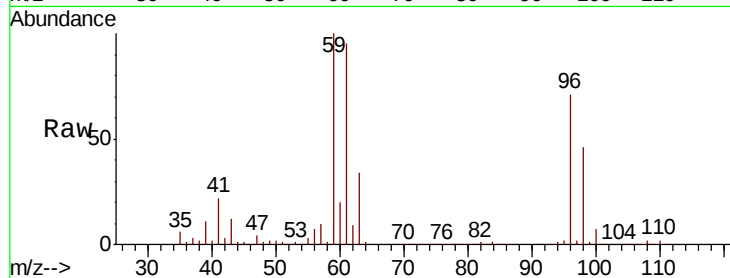
VSTDCCC010

Tot Ion: 59 Resp: 1564278

Ion Ratio Lower Upper

59 100

57 10.3 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

800000

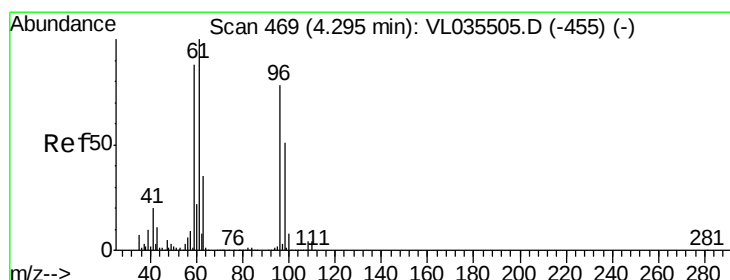
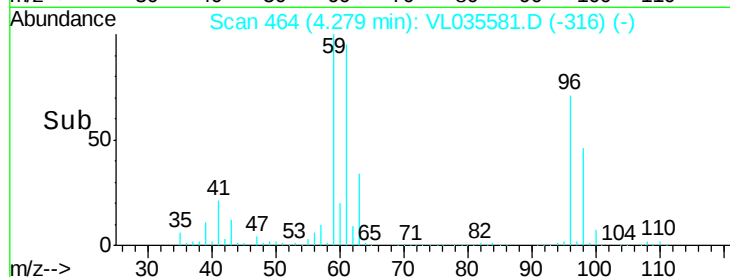
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.596 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

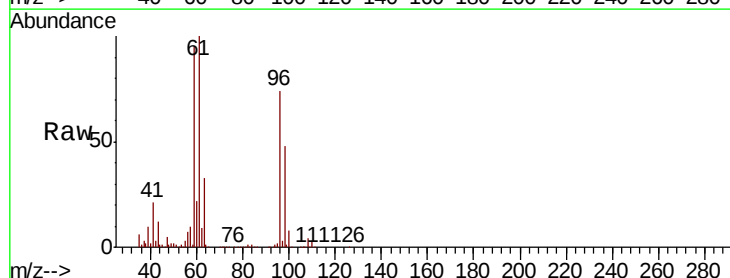
Tgt Ion: 96 Resp: 929110

Ion Ratio Lower Upper

96 100

61 135.7 103.0 154.6

98 65.4 52.8 79.2



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1000000

800000

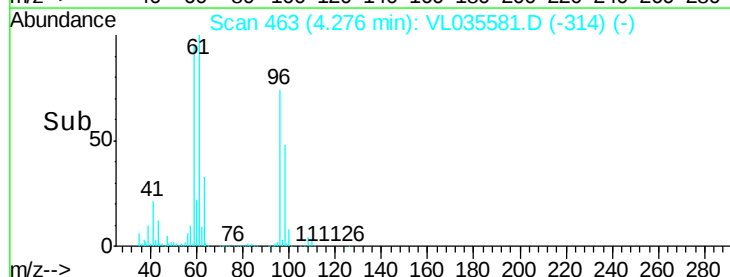
600000

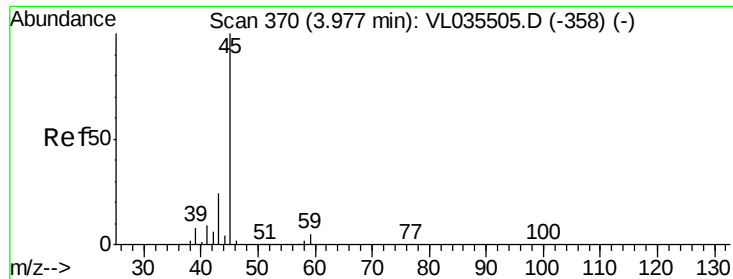
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.690 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

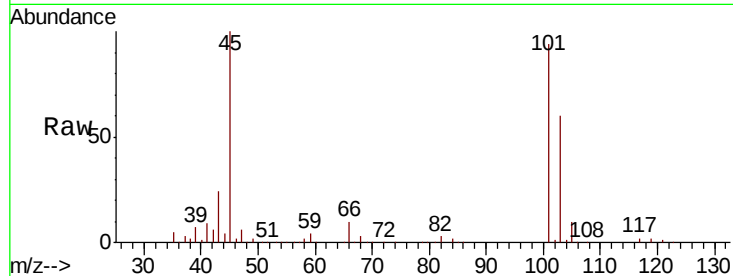
VSTDCCC010

Tot Ion: 45 Resp: 734888

Ion Ratio Lower Upper

45 100

58 2.4 2.0 3.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

400000

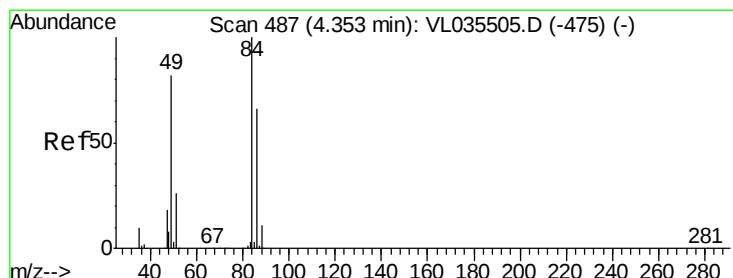
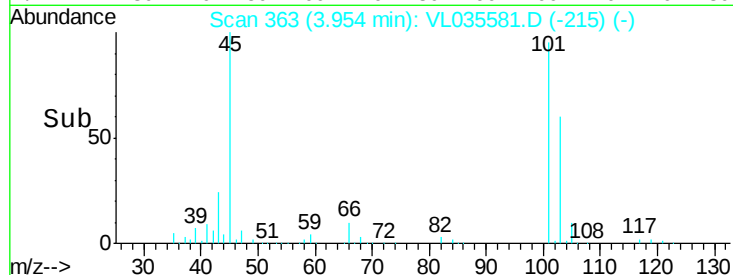
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.720 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Tgt Ion: 84 Resp: 825708

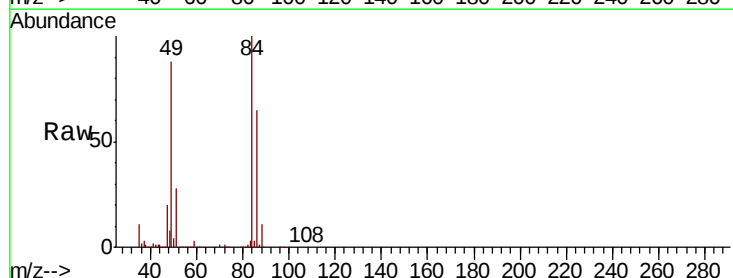
Ion Ratio Lower Upper

84 100

49 87.5 65.4 98.0

51 27.4 21.5 32.3

86 65.2 52.9 79.3



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

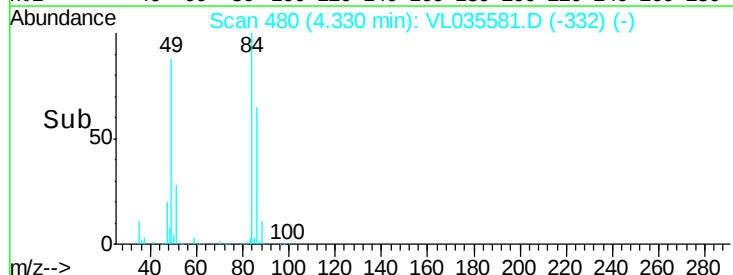
600000

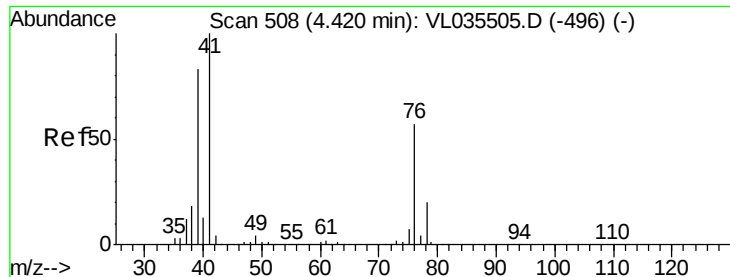
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 10.551 ppbv

RT: 4.40 min Scan# 502

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

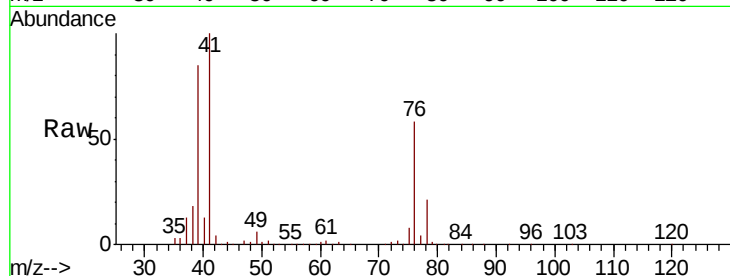
Tot Ion: 41 Resp: 628453

Ion Ratio Lower Upper

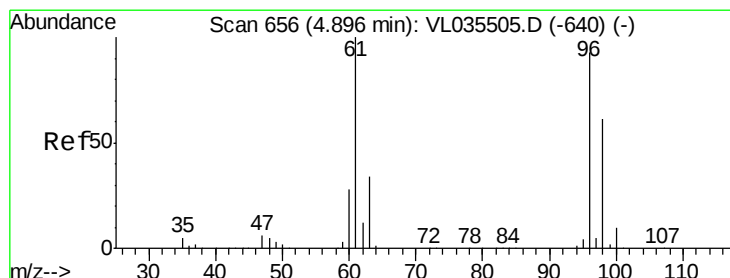
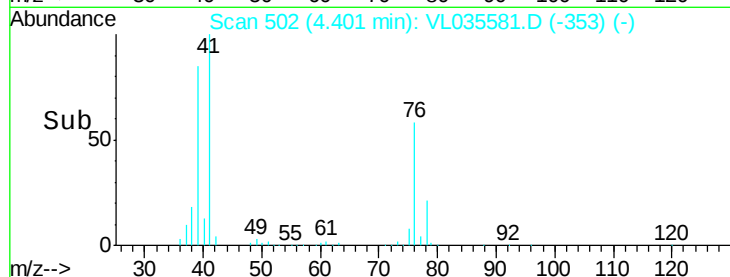
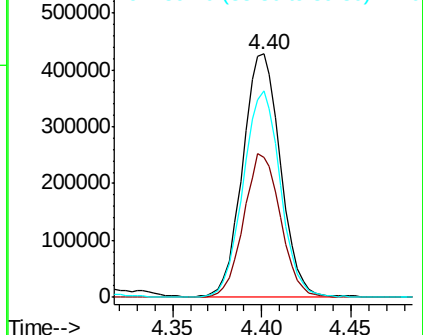
41 100

76 58.1 46.2 69.2

39 84.2 67.8 101.6



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: 9.219 ppbv

RT: 4.87 min Scan# 649

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

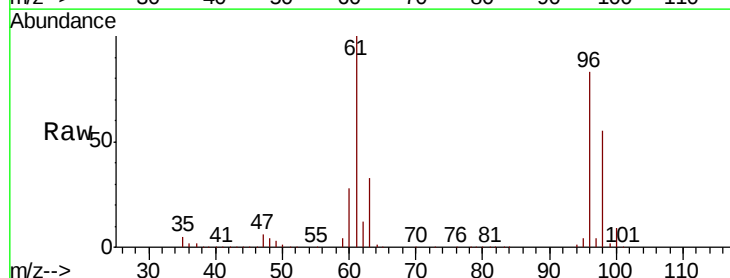
Tgt Ion: 96 Resp: 950277

Ion Ratio Lower Upper

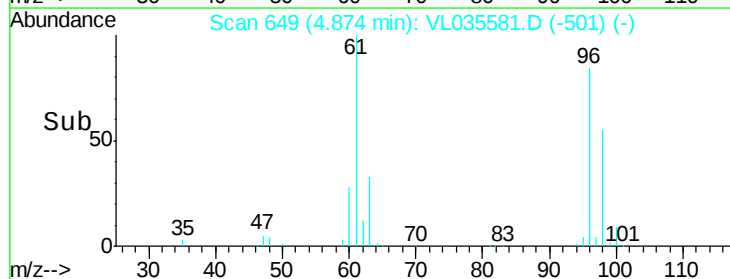
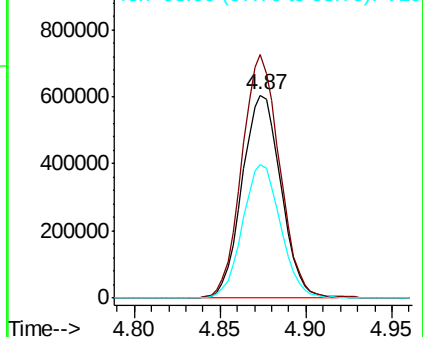
96 100

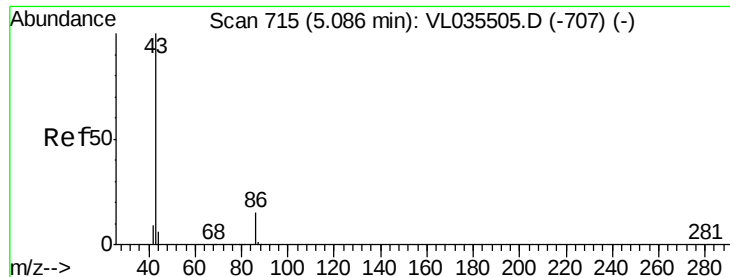
61 119.8 86.0 129.0

98 65.4 52.3 78.5



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: 9.968 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1626450

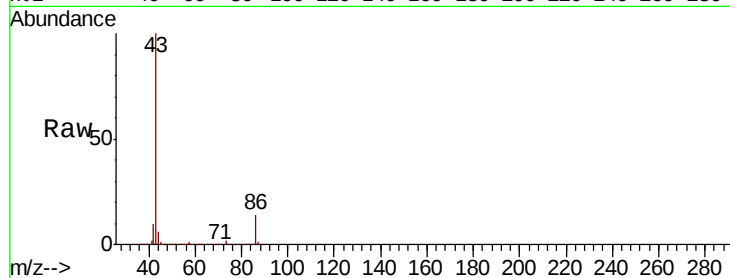
Ion	Ratio	Lower	Upper
43	100		
86	13.7	10.6	16.0
42	9.7	7.5	11.3
44	5.3	4.4	6.6

43 100

86 13.7 10.6 16.0

42 9.7 7.5 11.3

44 5.3 4.4 6.6

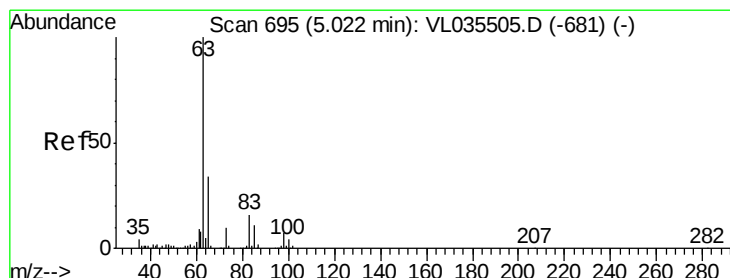
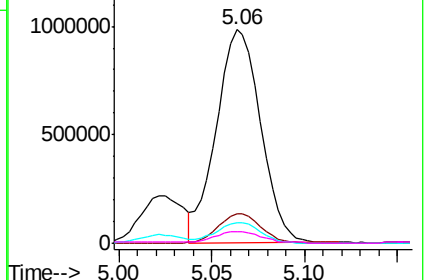
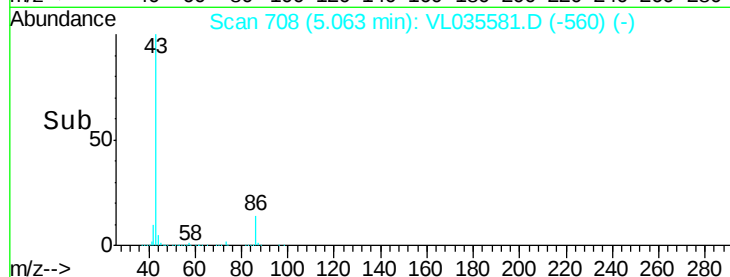


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.505 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

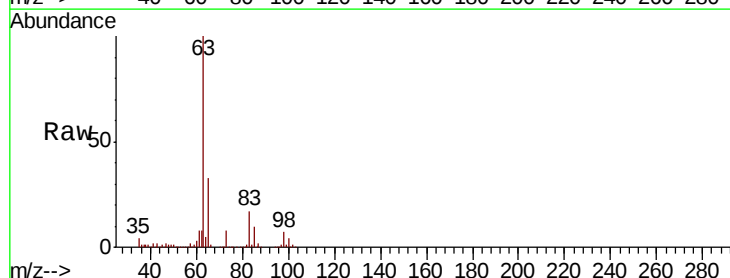
Tgt Ion: 63 Resp: 1596171

Ion	Ratio	Lower	Upper
63	100		
98	6.5	3.4	10.1
100	4.0	2.1	6.5

63 100

98 6.5 3.4 10.1

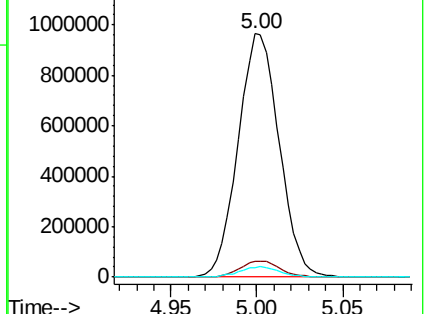
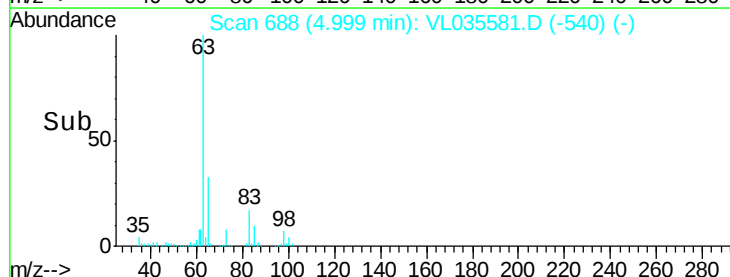
100 4.0 2.1 6.5

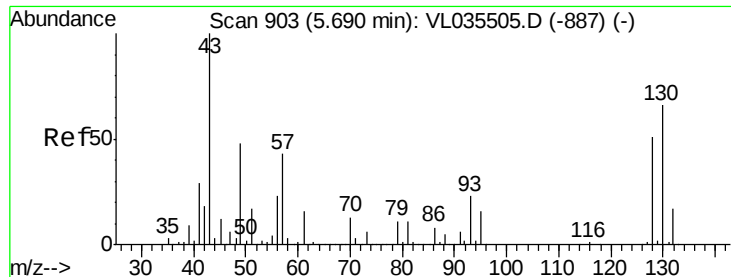


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.465 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.02 min

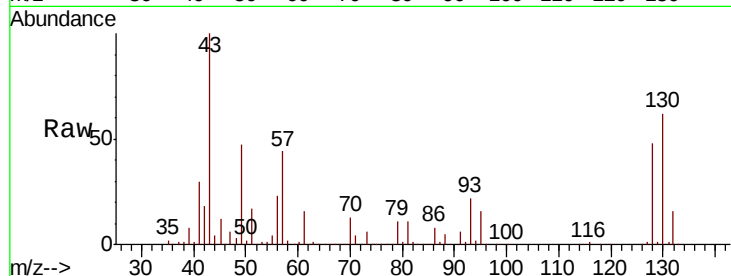
Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2125811

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.4	12.6
61	13.5	10.6	16.0
70	11.8	9.4	14.2



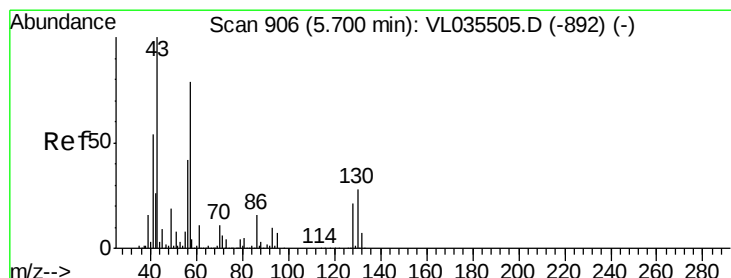
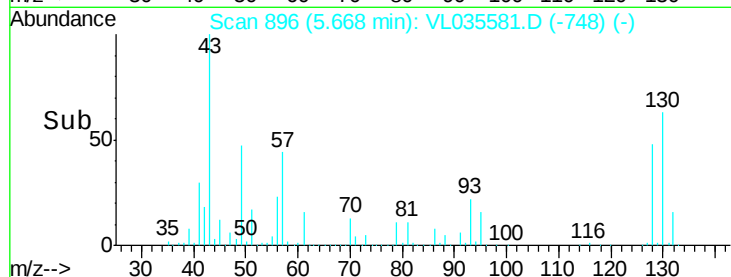
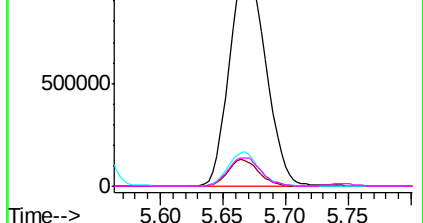
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.643 ppbv

RT: 5.68 min Scan# 899

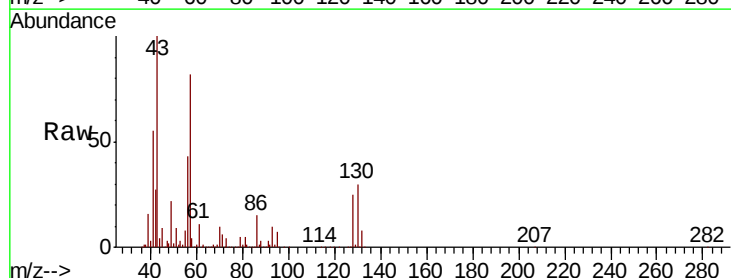
Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Tgt Ion: 57 Resp: 1227155

Ion	Ratio	Lower	Upper
57	100		
41	69.5	55.9	83.9
43	173.8	141.8	212.8
56	52.3	41.8	62.8



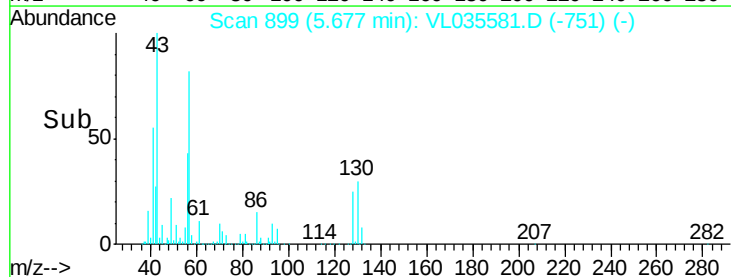
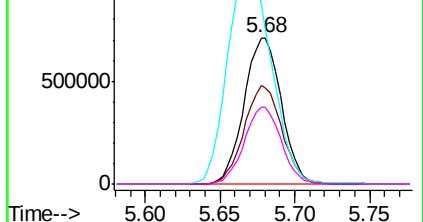
Abundance

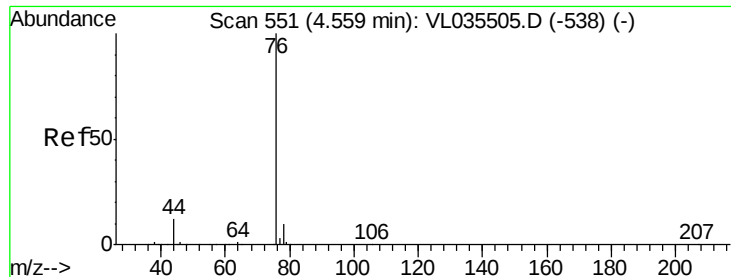
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.973 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

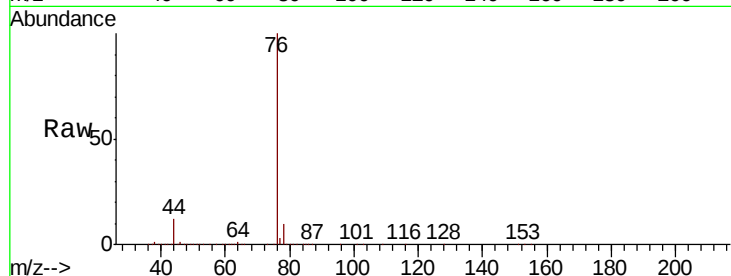
Tot Ion: 76 Resp: 2003754

Ion Ratio Lower Upper

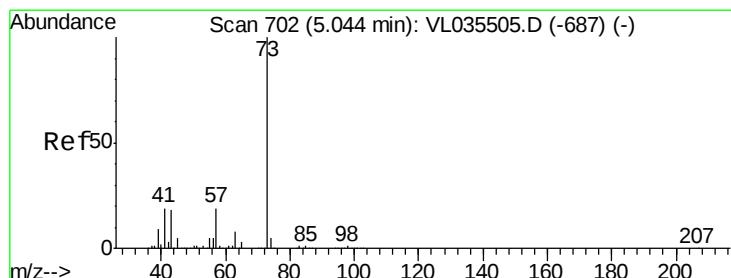
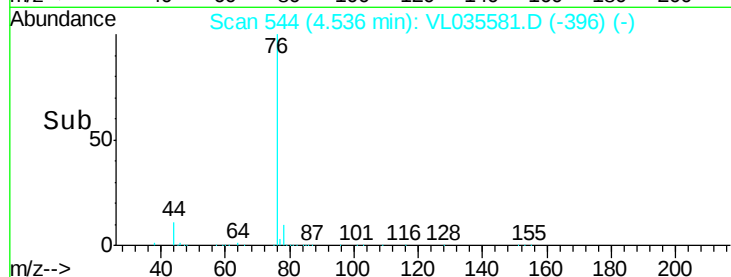
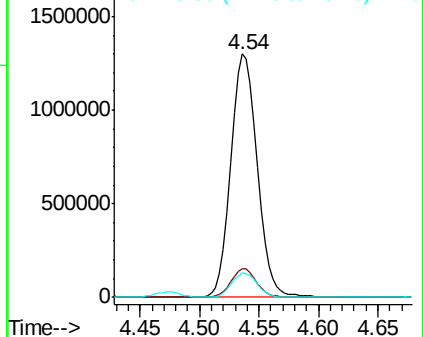
76 100

44 11.5 9.3 13.9

78 9.7 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.119 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.02 min

Lab File: VL035581.D

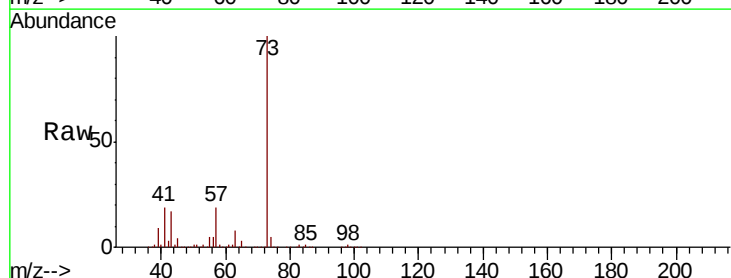
Acq: 10 Sep 2020 12:07

Tgt Ion: 73 Resp: 2244299

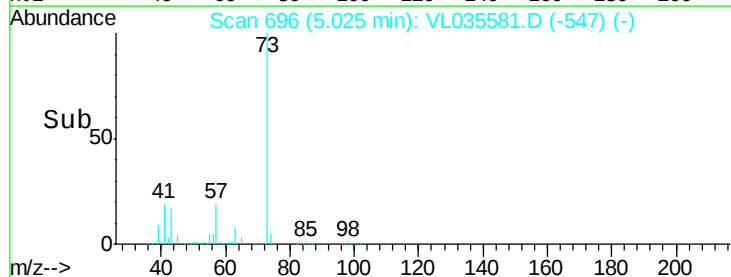
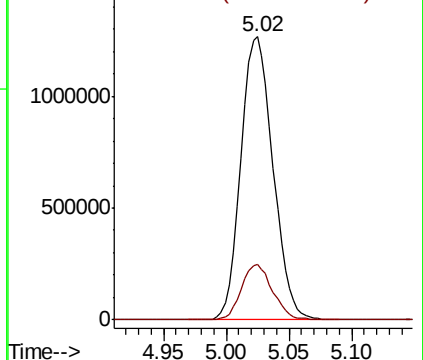
Ion Ratio Lower Upper

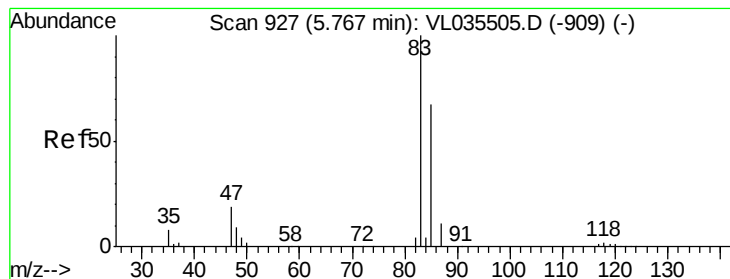
73 100

57 19.1 15.2 22.8



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





#29

Chloroform

Concen: 9.566 ppbv

RT: 5.74 min Scan# 920

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

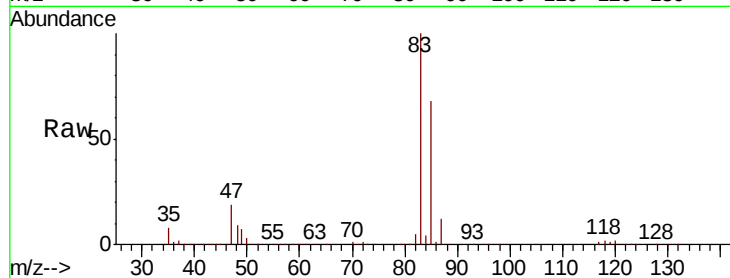
VSTDCCC010

Tot Ion: 83 Resp: 2480393

Ion Ratio Lower Upper

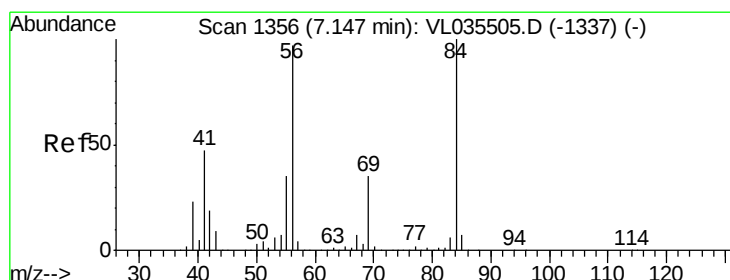
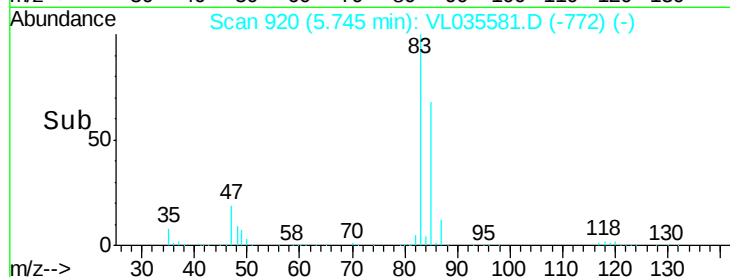
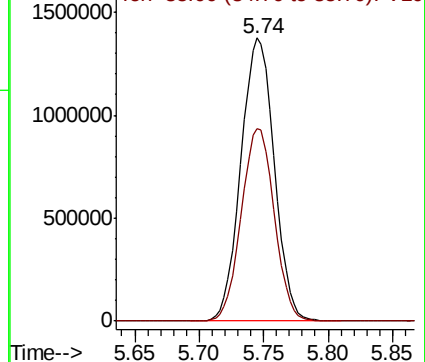
83 100

85 68.0 53.9 80.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 10.274 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

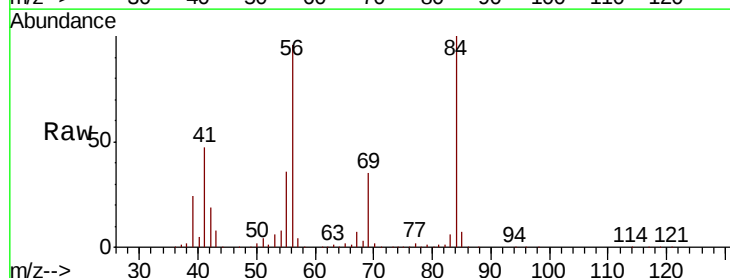
Tgt Ion: 84 Resp: 1400645

Ion Ratio Lower Upper

84 100

56 100.7 80.1 120.1

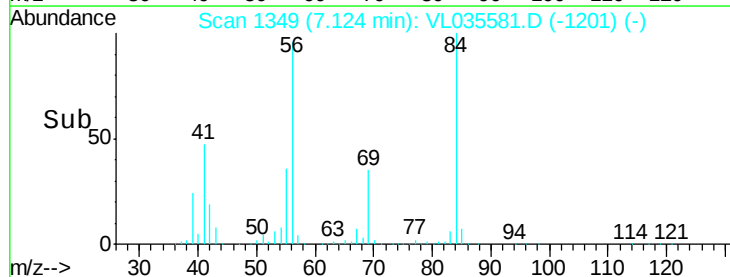
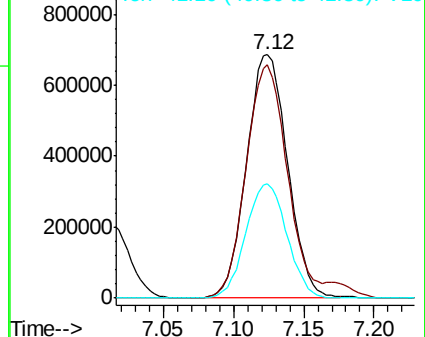
41 47.1 38.1 57.1

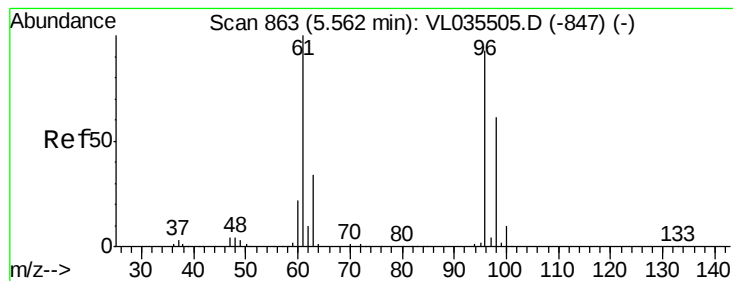


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



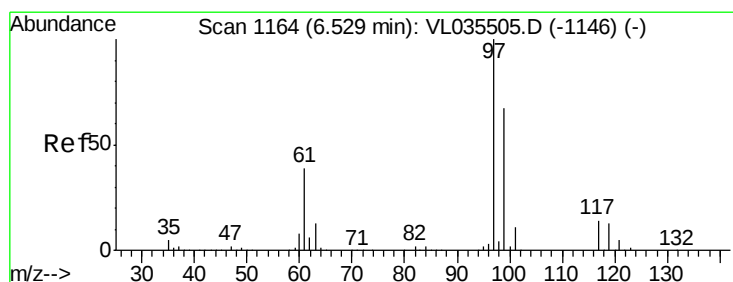
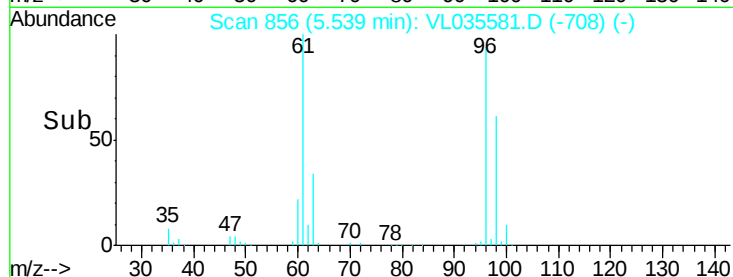
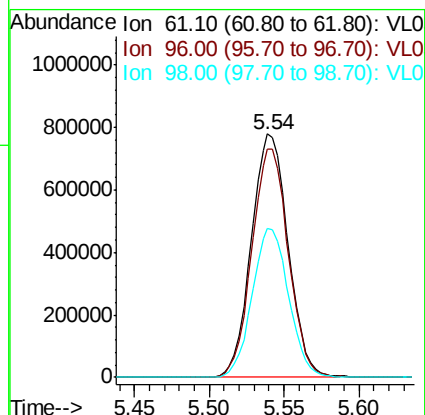
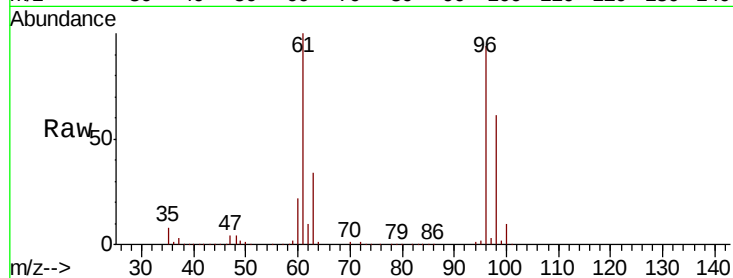


#31

cis-1,2-Dichloroethene
 Concen: 10.189 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. -0.02 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

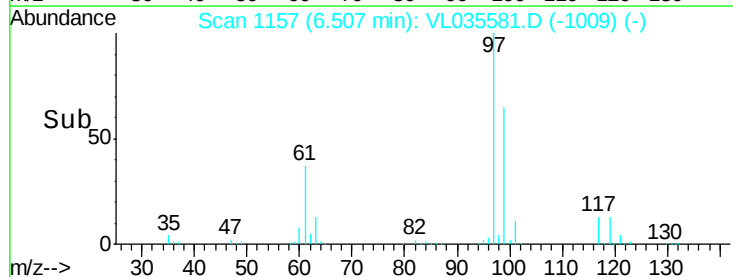
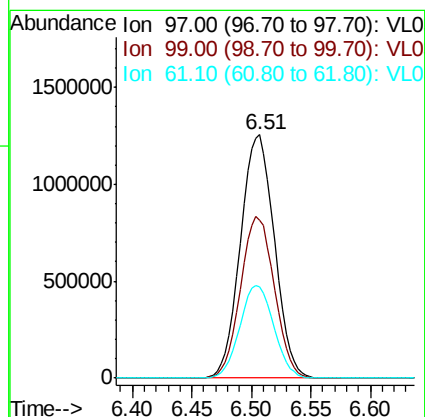
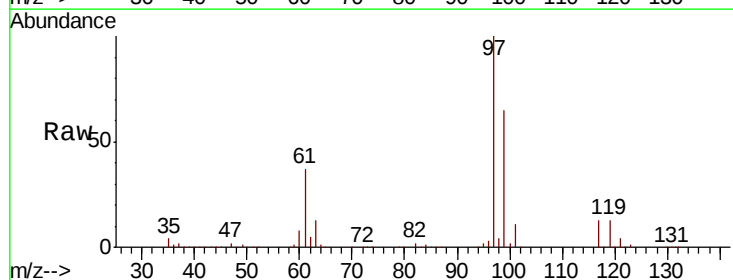
Tot Ion: 61 Resp: 1330245
 Ion Ratio Lower Upper
 61 100
 96 93.9 74.4 111.6
 98 61.3 49.2 73.8

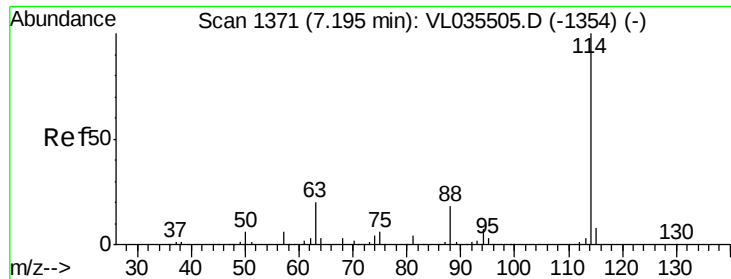


#32

1,1,1-Trichloroethane
 Concen: 9.892 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. -0.02 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Tgt Ion: 97 Resp: 2488096
 Ion Ratio Lower Upper
 97 100
 99 66.2 53.3 79.9
 61 38.2 30.6 46.0

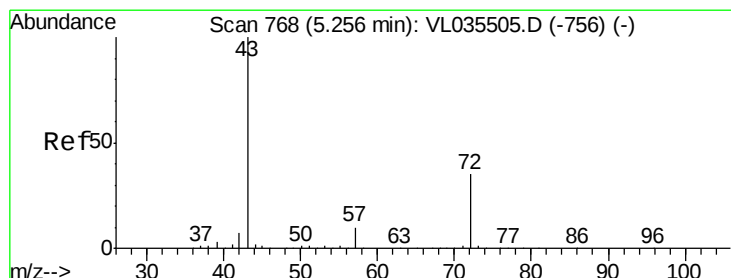
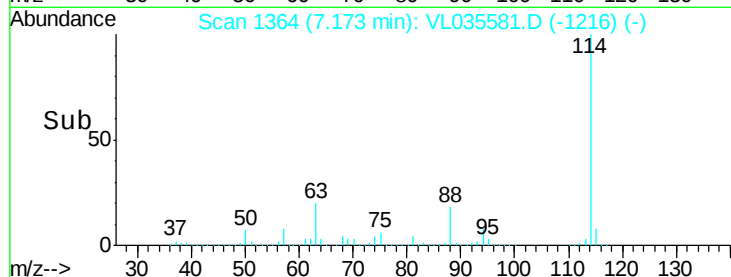
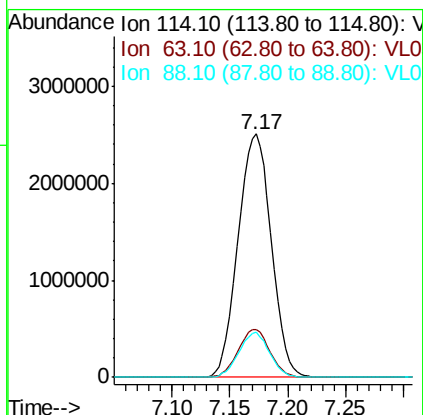
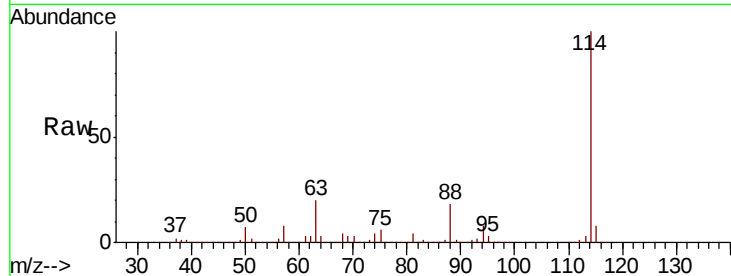




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.02 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

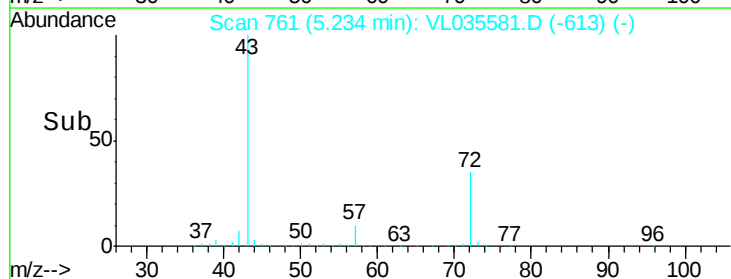
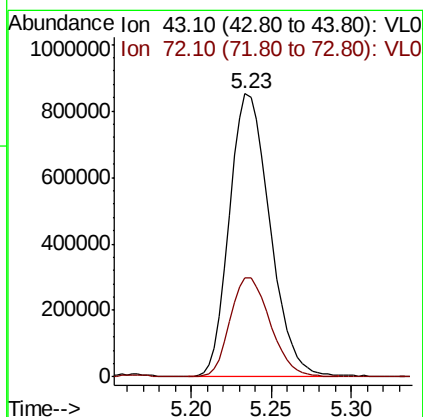
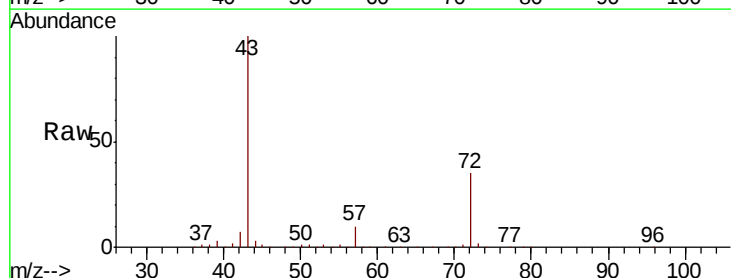
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

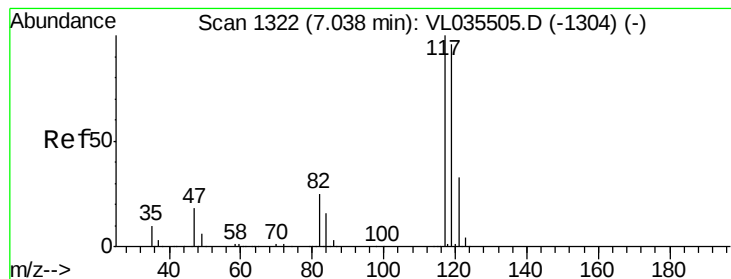
Tot Ion:114 Resp: 4986606
 Ion Ratio Lower Upper
 114 100
 63 19.1 14.7 22.1
 88 17.1 13.4 20.2



#34
 2-Butanone
 Concen: 9.880 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. -0.02 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Tgt Ion: 43 Resp: 1462185
 Ion Ratio Lower Upper
 43 100
 72 35.1 27.7 41.5





#35

Carbon Tetrachloride

Concen: 10.222 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

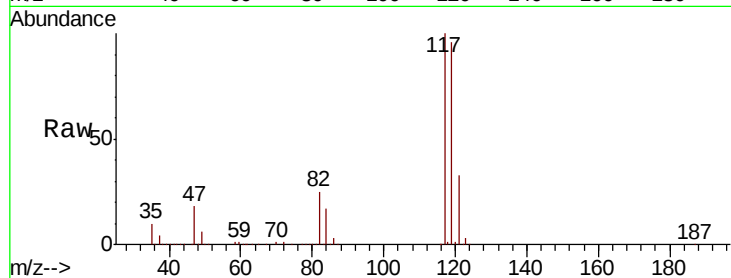
Tot Ion:117 Resp: 2561828

Ion Ratio Lower Upper

117 100

119 96.2 77.2 115.8

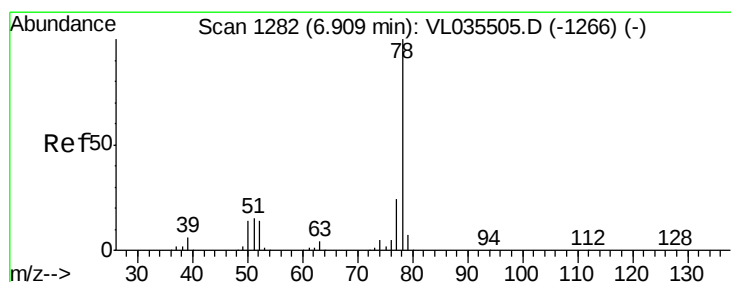
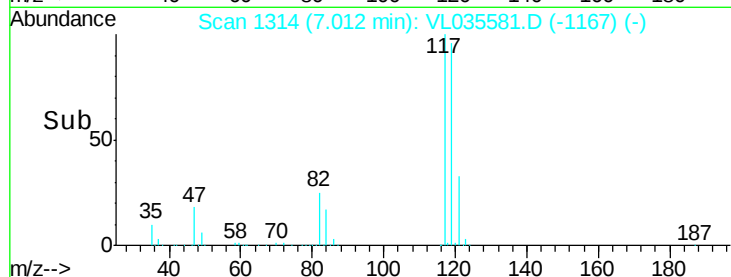
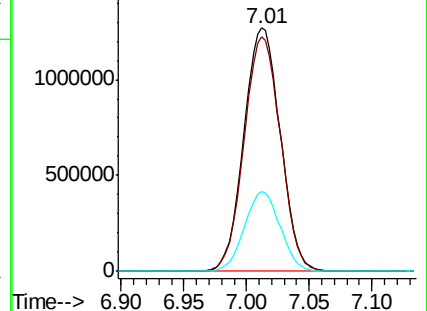
121 32.8 26.1 39.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.976 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

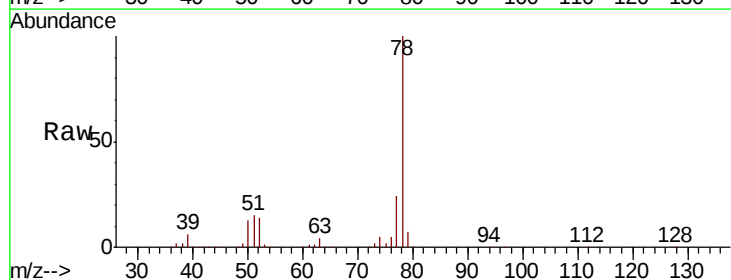
Tgt Ion: 78 Resp: 3220169

Ion Ratio Lower Upper

78 100

77 24.2 19.3 28.9

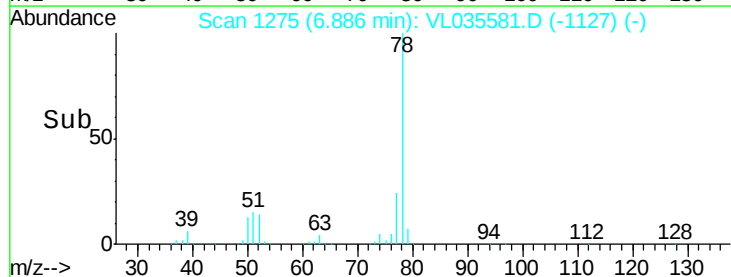
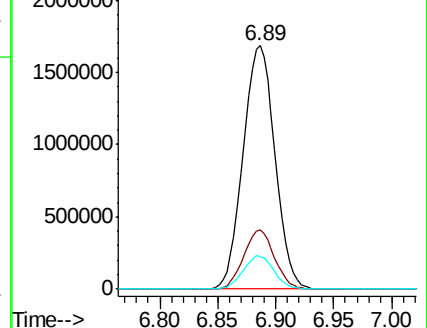
50 13.4 11.0 16.6

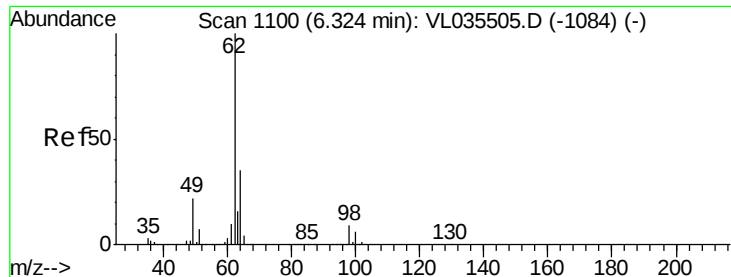


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.879 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

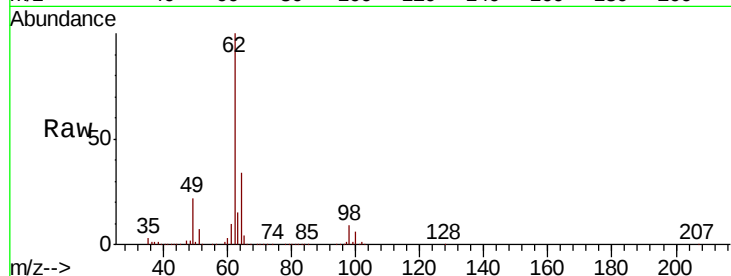
VSTDCCC010

Tot Ion: 62 Resp: 1520367

Ion Ratio Lower Upper

62 100

98 9.2 7.4 11.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.30

800000

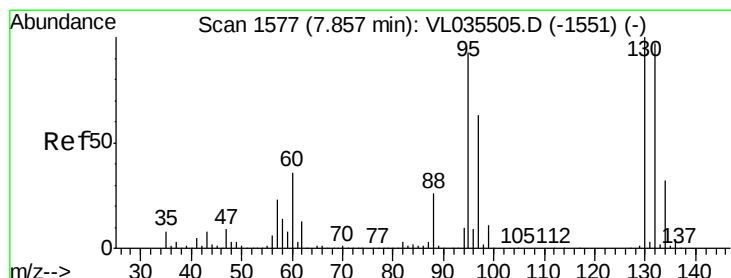
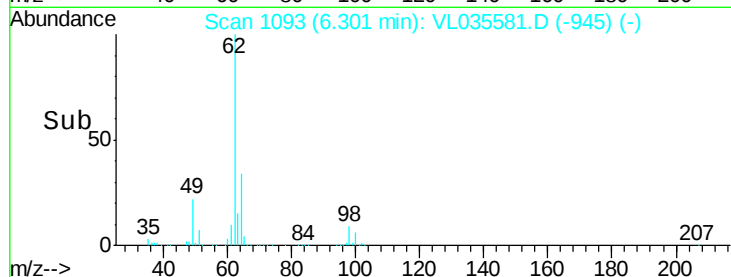
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 8.958 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Tgt Ion:130 Resp: 1679640

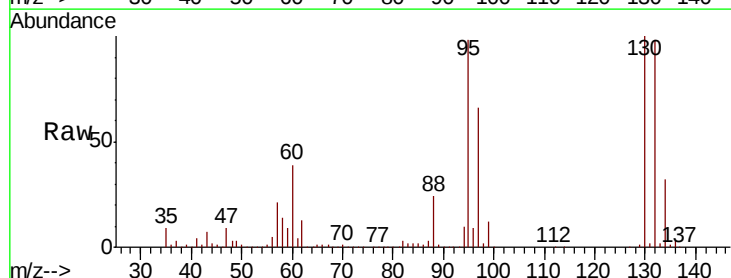
Ion Ratio Lower Upper

130 100

95 98.0 74.6 112.0

132 98.3 77.6 116.4

97 65.6 50.6 76.0



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

7.83

1200000

1000000

800000

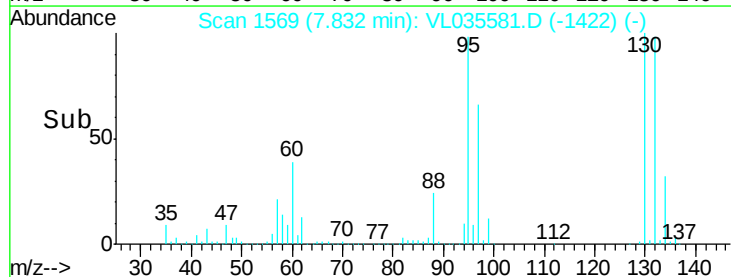
600000

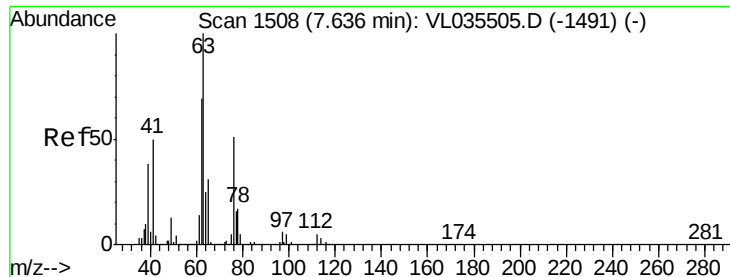
400000

200000

0

Time-->





#39

1,2-Dichloropropane

Concen: 9.891 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

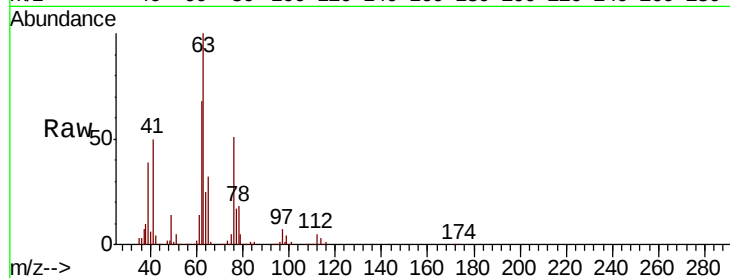
Tot Ion: 63 Resp: 1078550

Ion Ratio Lower Upper

63 100

41 49.8 40.0 60.0

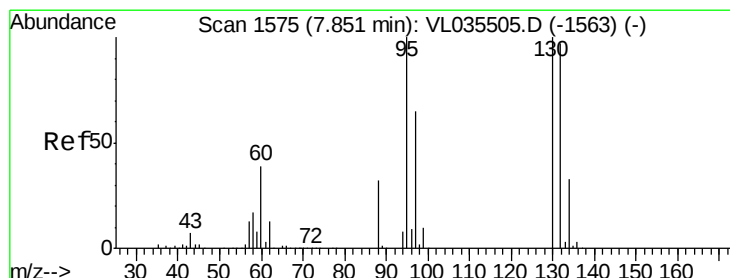
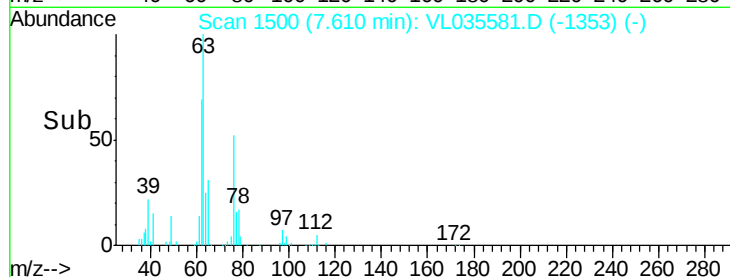
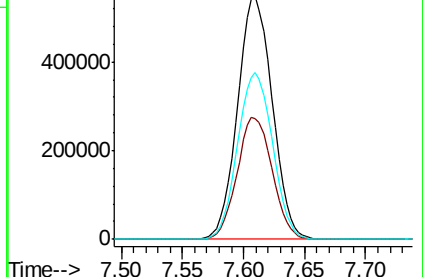
62 68.3 55.4 83.0



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.638 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Tgt Ion: 88 Resp: 524978

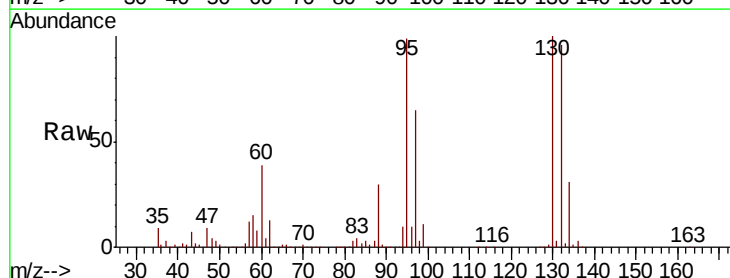
Ion Ratio Lower Upper

88 100

58 91.3 68.7 103.1

43 142.2 104.3 156.5

57 777.6 560.7 841.1

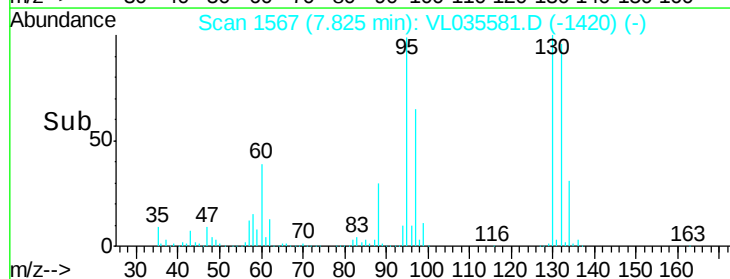
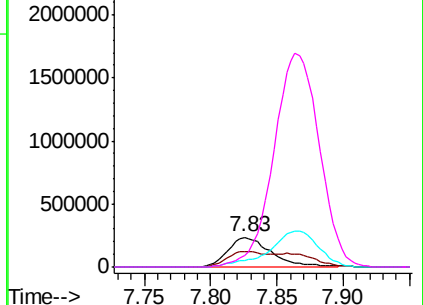


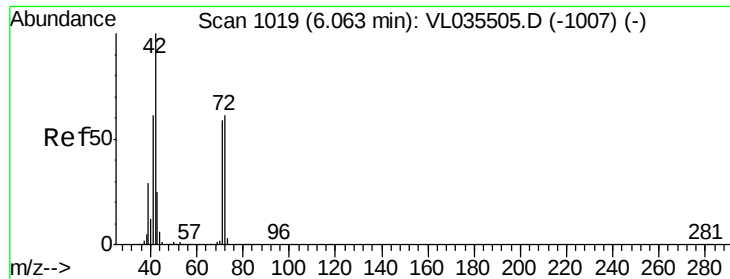
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

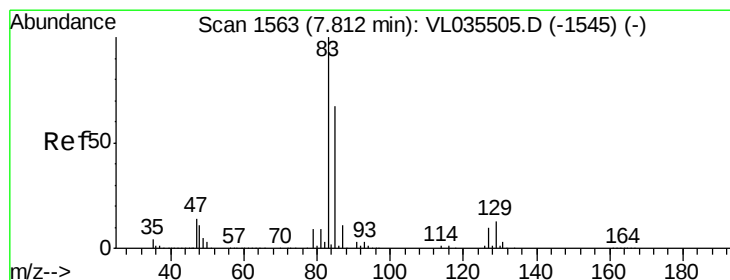
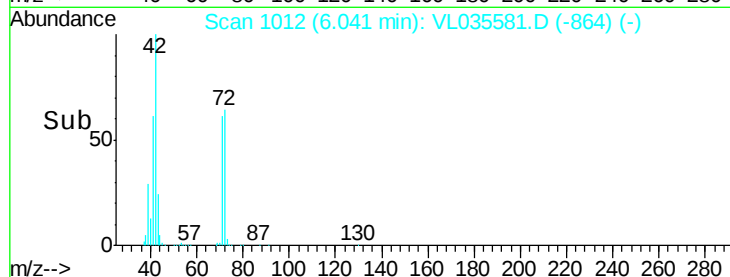
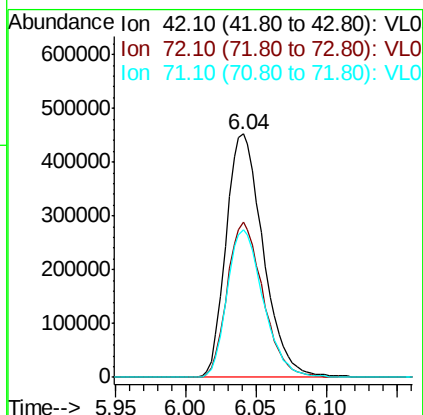
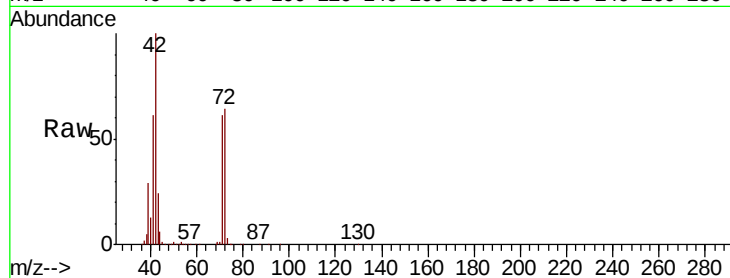




#41
Tetrahydrofuran
Concen: 10.602 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.02 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

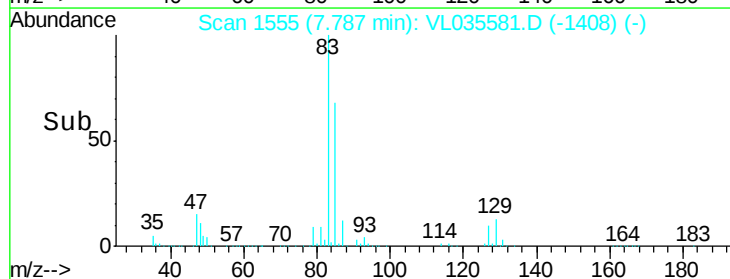
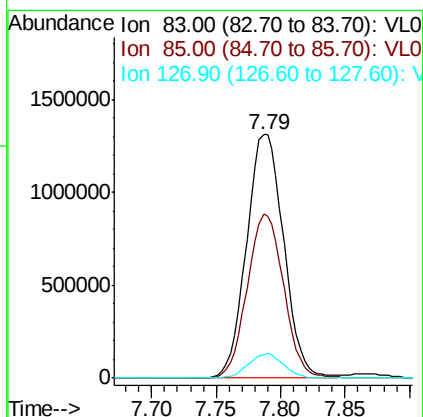
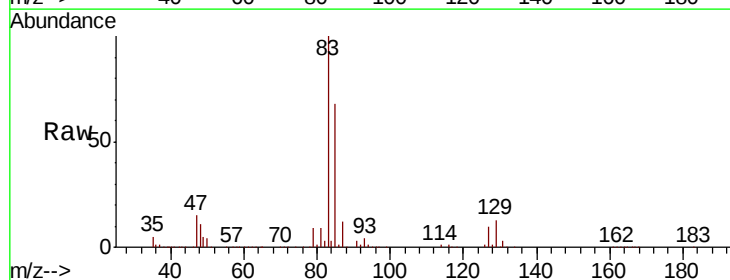
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

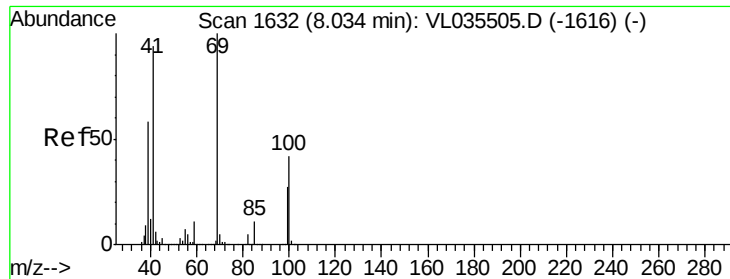
Tot Ion: 42 Resp: 831970
Ion Ratio Lower Upper
42 100
72 62.1 48.6 73.0
71 59.5 46.1 69.1



#42
Bromodichloromethane
Concen: 10.625 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tgt Ion: 83 Resp: 2644153
Ion Ratio Lower Upper
83 100
85 67.5 53.7 80.5
127 9.7 8.1 12.1

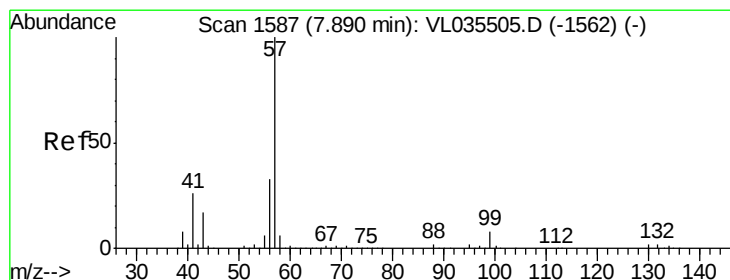
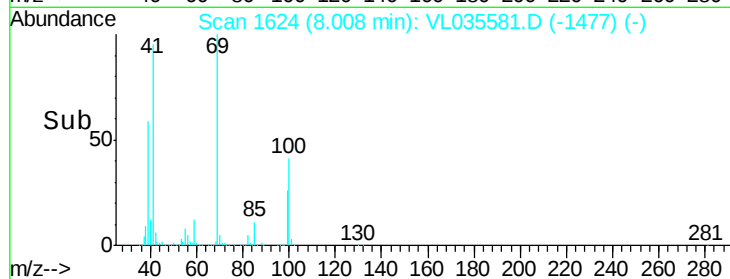
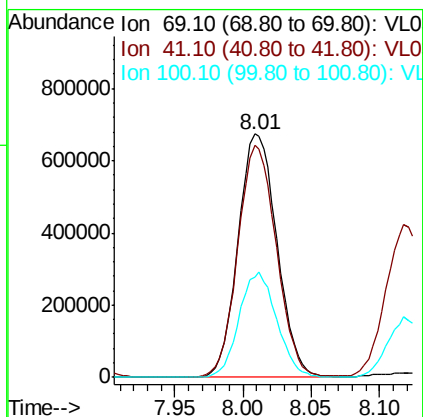
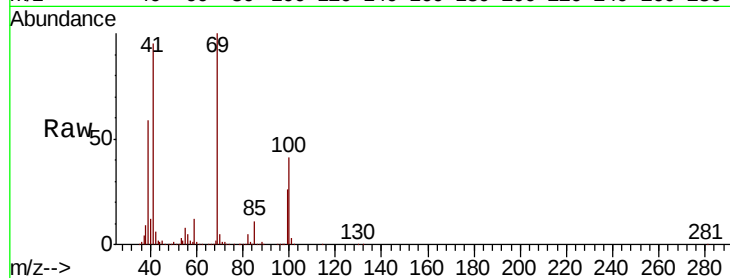




#43
Methvl Methacrylate
Concen: 10.712 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

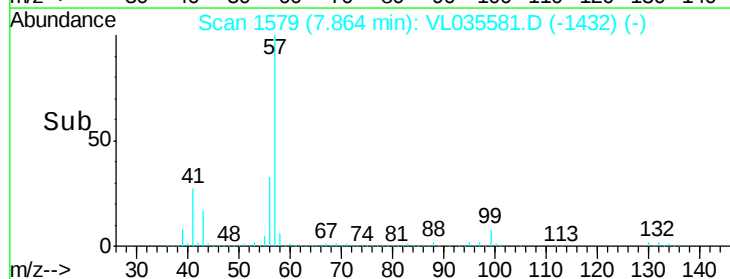
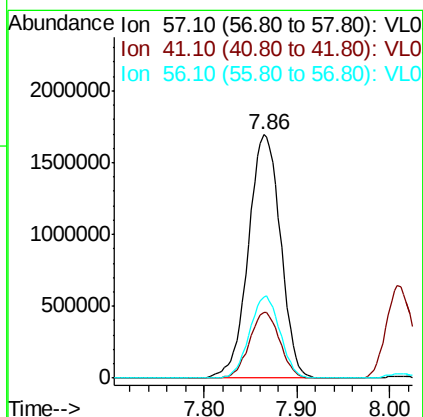
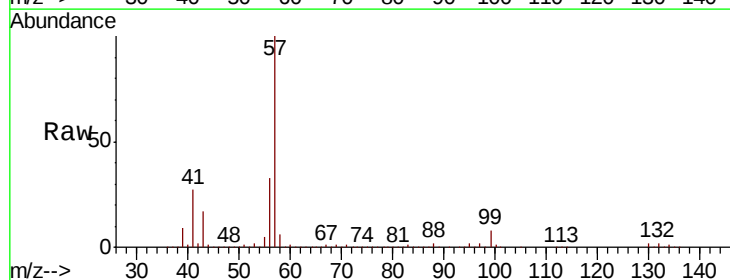
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

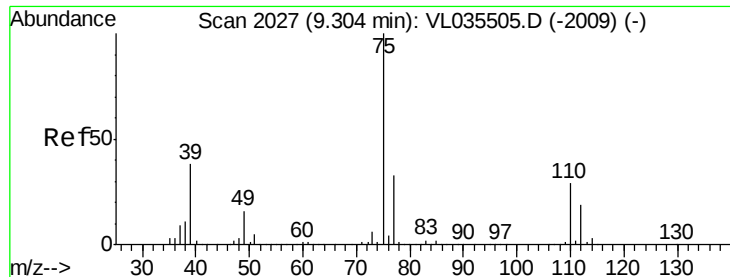
Tot Ion: 69 Resp: 1337009
Ion Ratio Lower Upper
69 100
41 94.5 76.6 114.8
100 41.7 33.8 50.6



#44
2,2,4-Trimethylpentane
Concen: 9.604 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tgt Ion: 57 Resp: 4078904
Ion Ratio Lower Upper
57 100
41 25.5 20.5 30.7
56 31.9 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 12.015 ppbv

RT: 9.28 min Scan# 2019

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

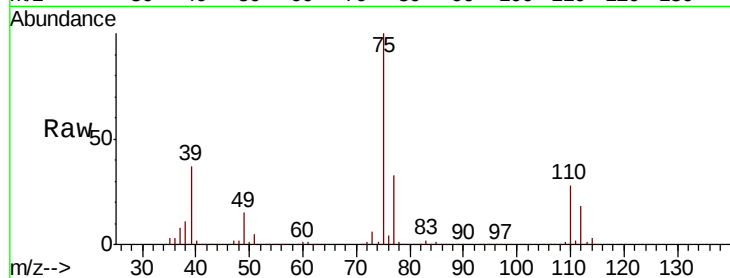
VSTDCCC010

Tot Ion: 75 Resp: 1519214

Ion Ratio Lower Upper

75 100

77 32.9 26.5 39.7



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.28

800000

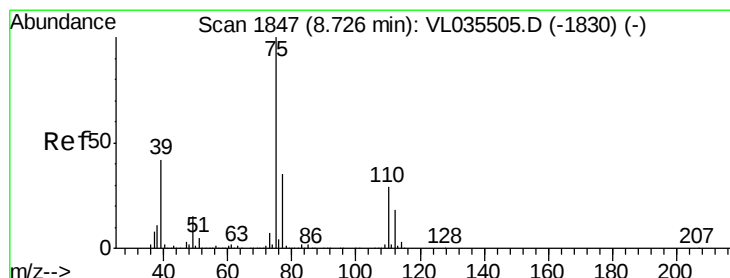
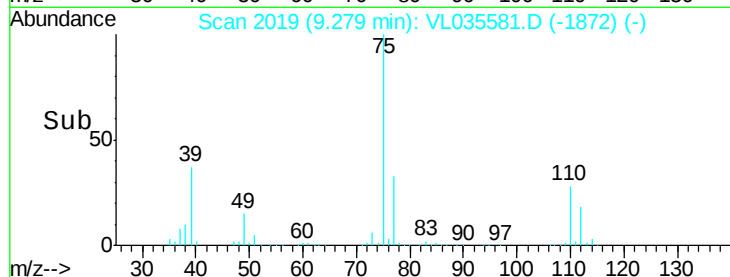
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.528 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

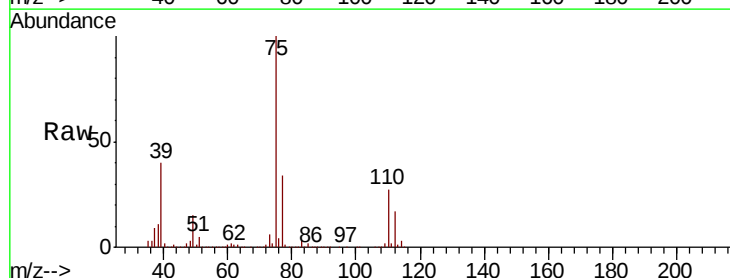
Tgt Ion: 75 Resp: 1809848

Ion Ratio Lower Upper

75 100

39 39.8 33.7 50.5

77 33.8 27.8 41.6



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

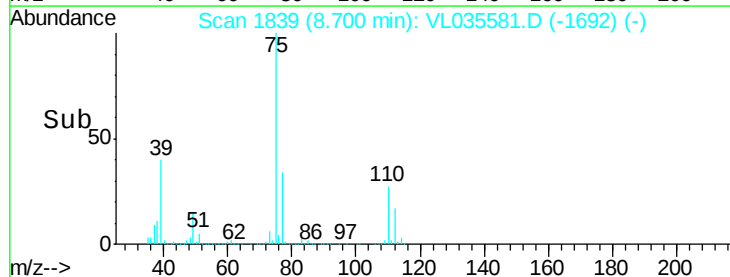
600000

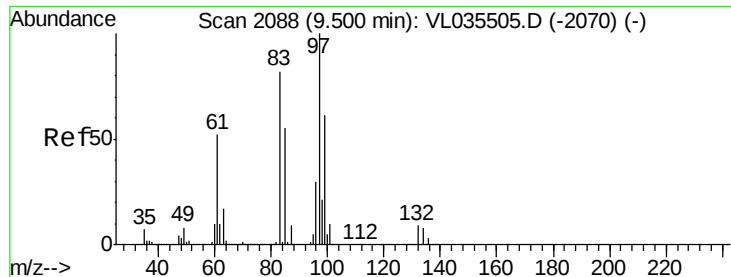
400000

200000

0

Time-->



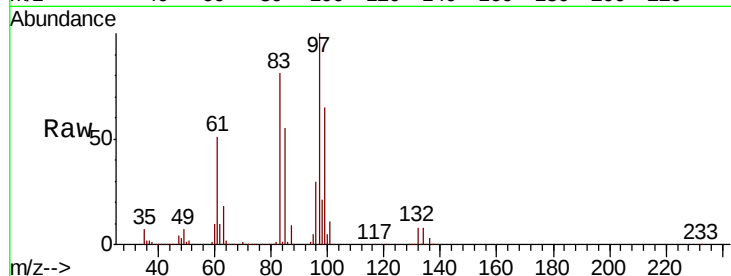


#47
 1,1,2-Trichloroethane
 Concen: 9.839 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.03 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 97 Resp: 1583137

Ion	Ratio	Lower	Upper
97	100		
83	81.1	65.4	98.2
85	54.8	43.7	65.5
99	64.8	49.1	73.7



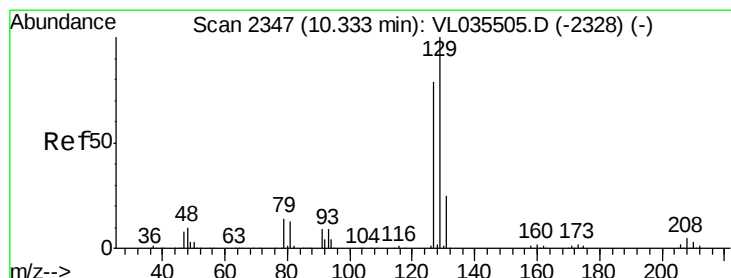
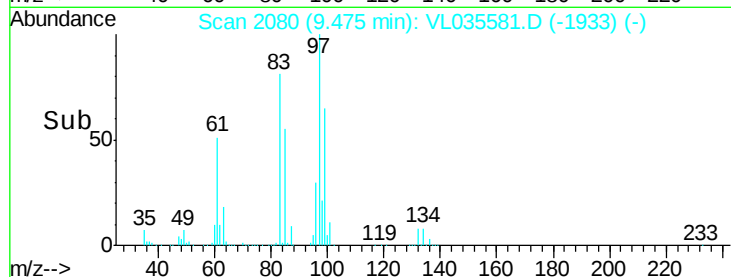
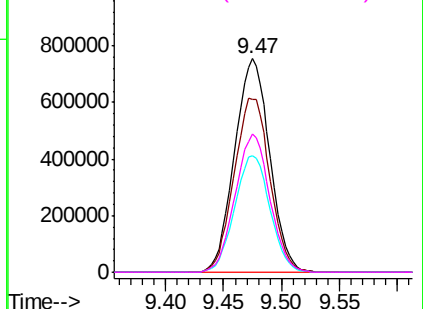
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

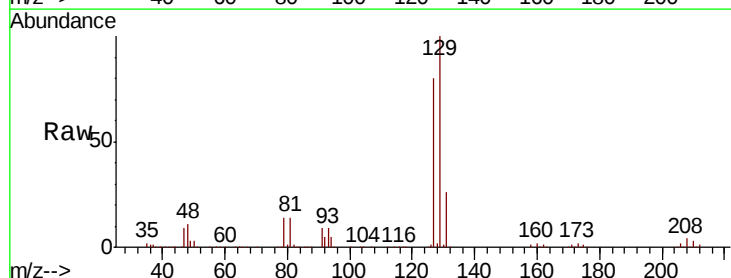
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.746 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.03 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Tgt Ion: 129 Resp: 2721120

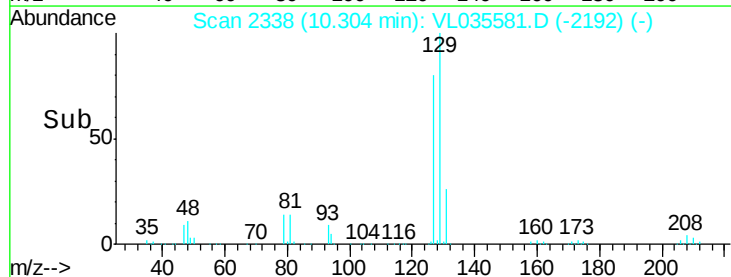
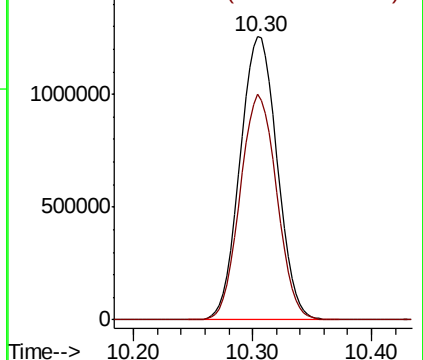
Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.8

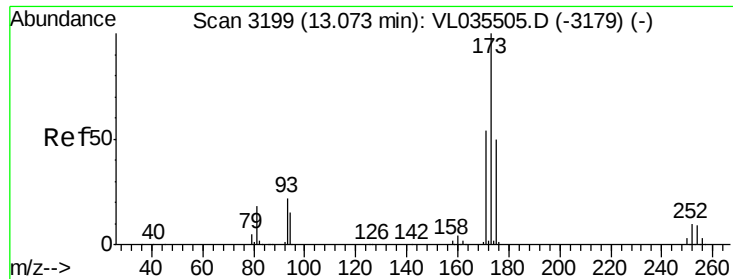


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.943 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

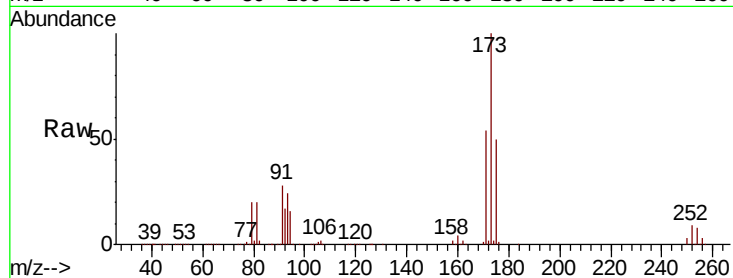
Tot Ion:173 Resp: 2511435

Ion Ratio Lower Upper

173 100

175 50.3 39.8 59.8

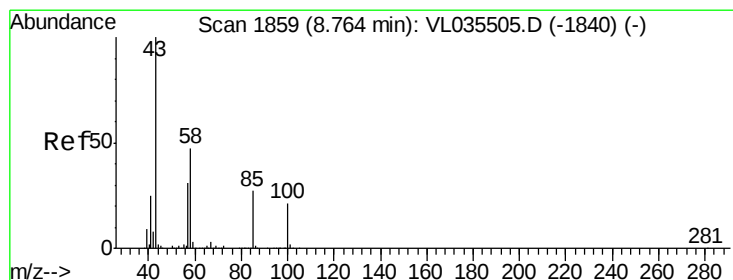
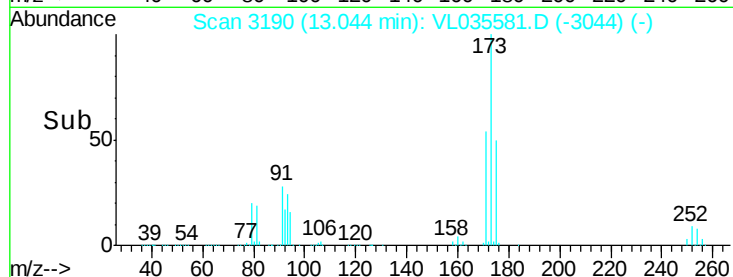
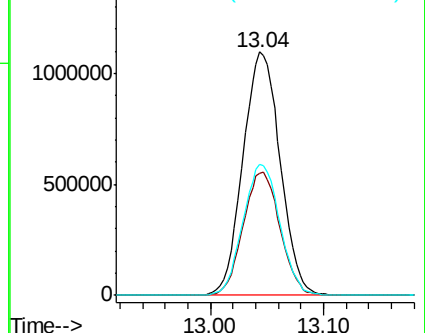
171 53.4 42.4 63.6



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: 10.177 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. -0.03 min

Lab File: VL035581.D

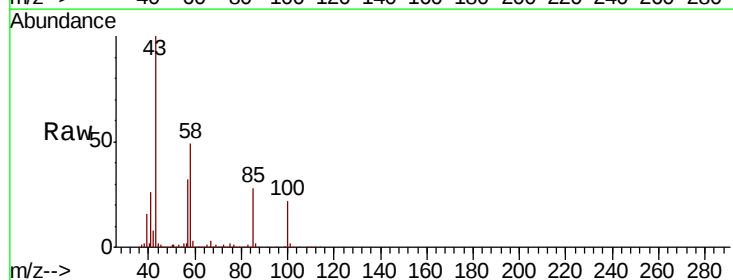
Acq: 10 Sep 2020 12:07

Tgt Ion: 43 Resp: 2180844

Ion Ratio Lower Upper

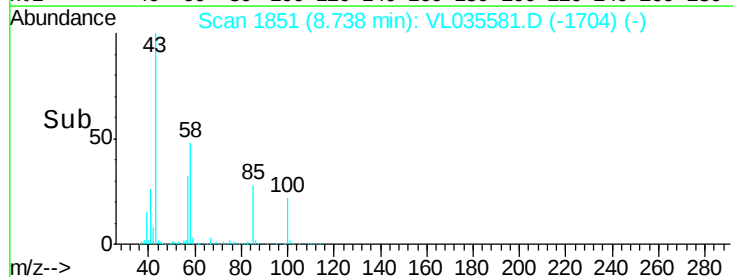
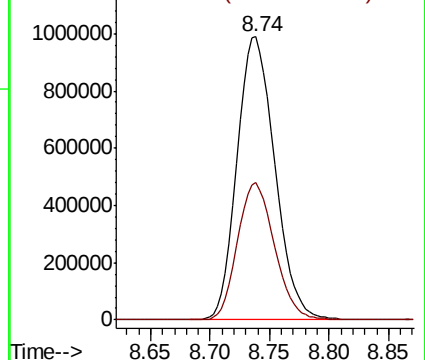
43 100

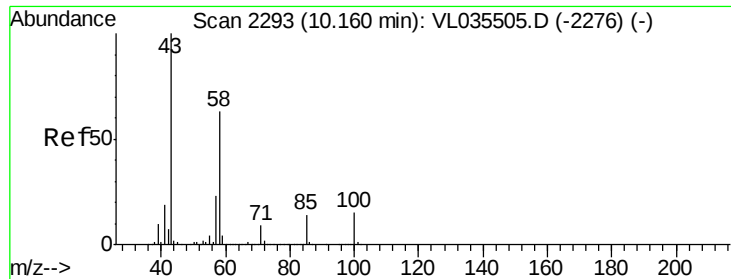
58 47.7 37.4 56.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

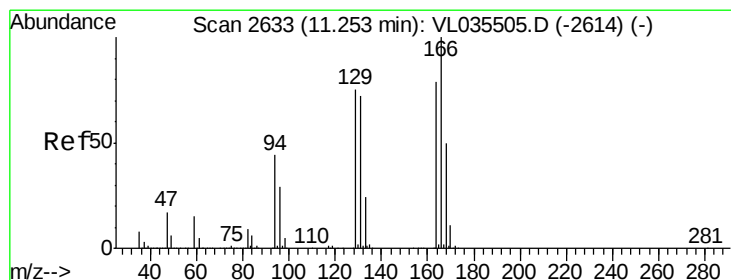
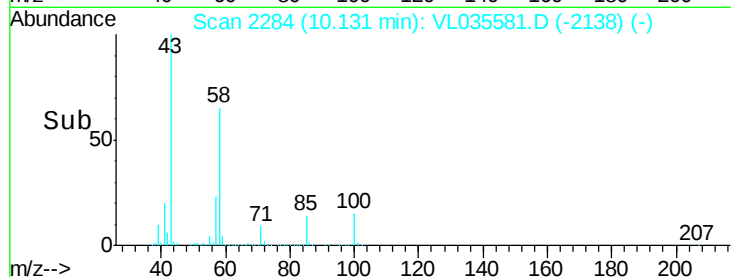
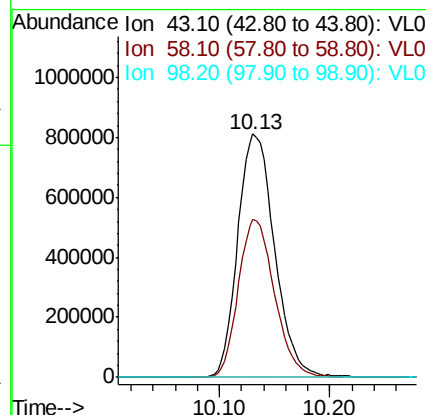
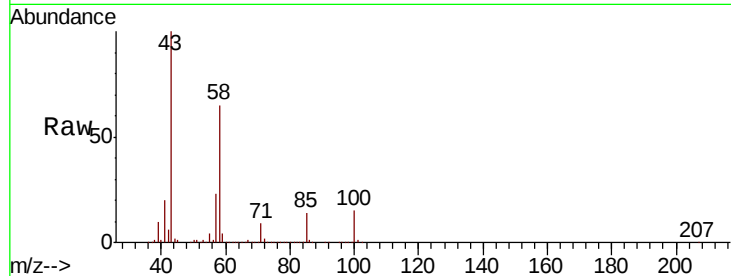




#51
2-Hexanone
Concen: 10.678 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

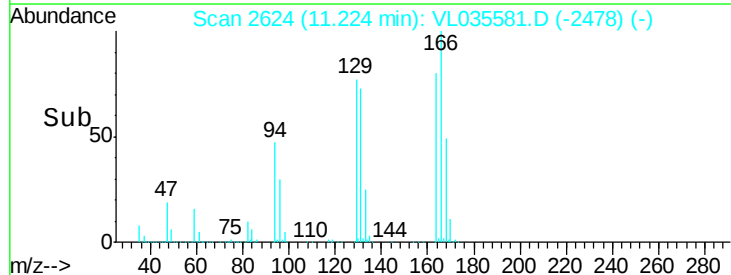
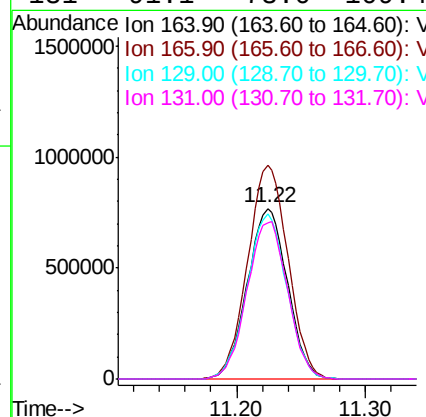
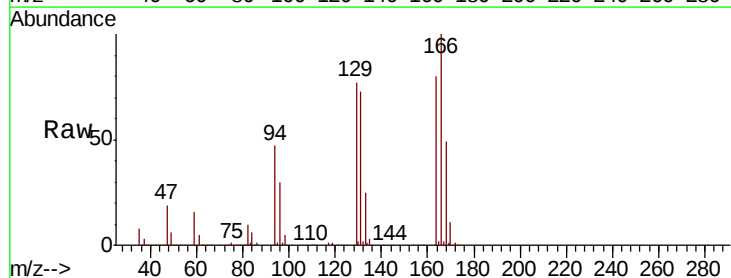
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

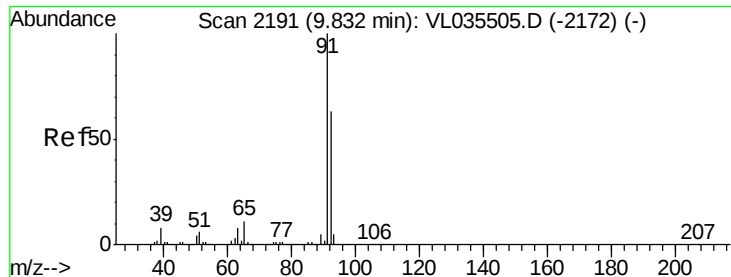
Tot Ion: 43 Resp: 1876971
Ion Ratio Lower Upper
43 100
58 64.1 50.2 75.4
98 0.4 0.4 0.6



#52
Tetrachloroethene
Concen: 8.844 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tgt Ion: 164 Resp: 1667731
Ion Ratio Lower Upper
164 100
166 125.0 100.9 151.3
129 96.4 75.3 112.9
131 91.1 73.0 109.4





#53

Toluene

Concen: 10.061 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

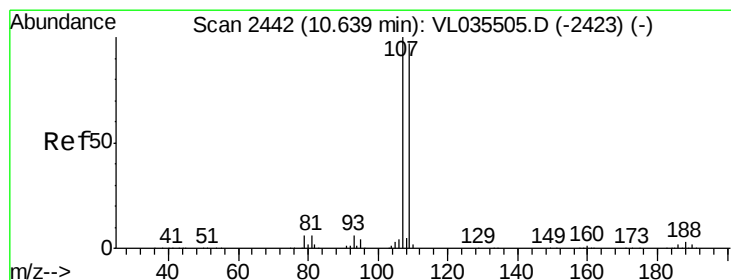
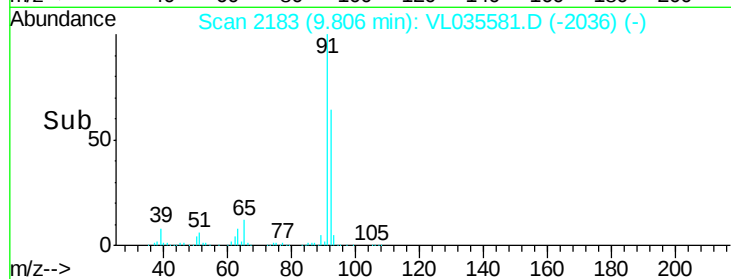
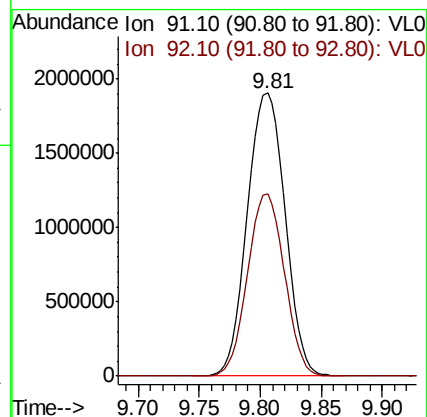
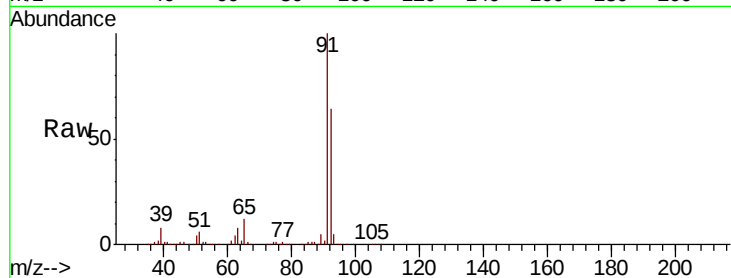
VSTDCCC010

Tot Ion: 91 Resp: 4083790

Ion Ratio Lower Upper

91 100

92 62.6 49.8 74.8



#54

1,2-Dibromoethane

Concen: 9.984 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.03 min

Lab File: VL035581.D

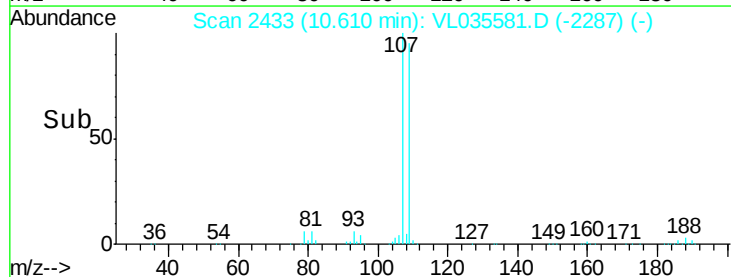
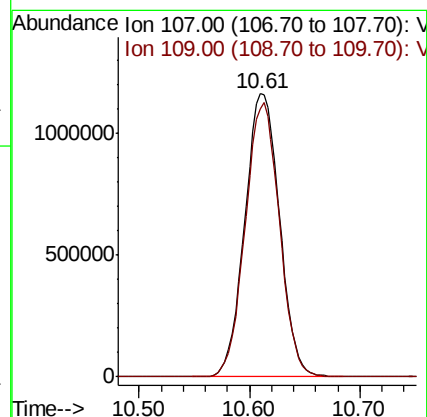
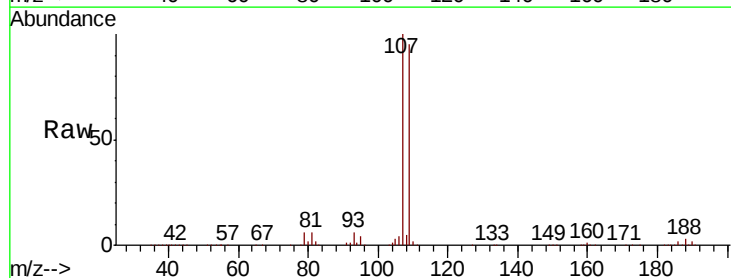
Acq: 10 Sep 2020 12:07

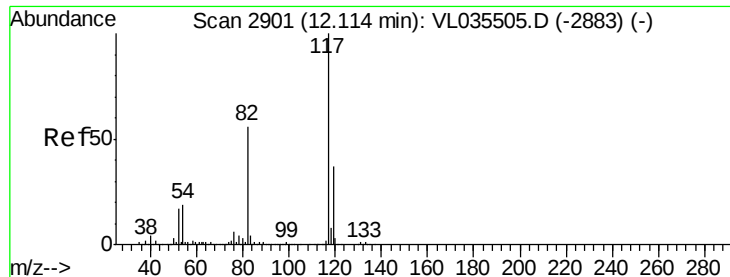
Tgt Ion: 107 Resp: 2538235

Ion Ratio Lower Upper

107 100

109 94.7 77.8 116.8

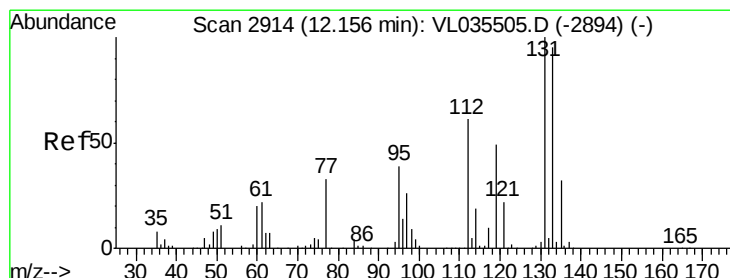
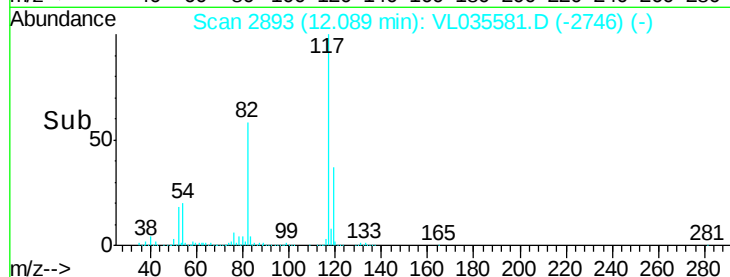
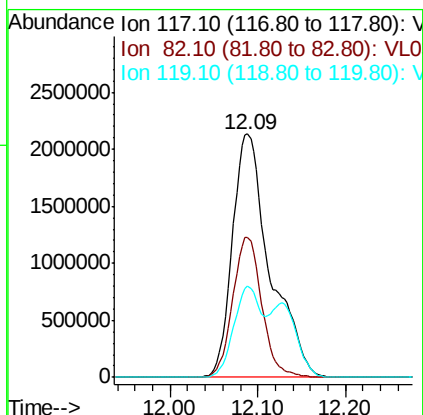
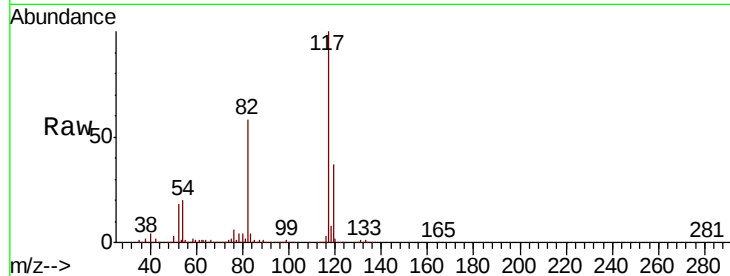




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

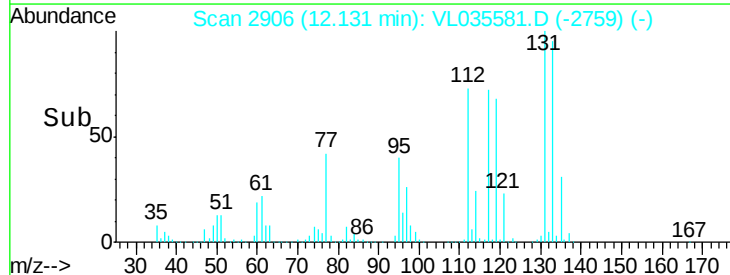
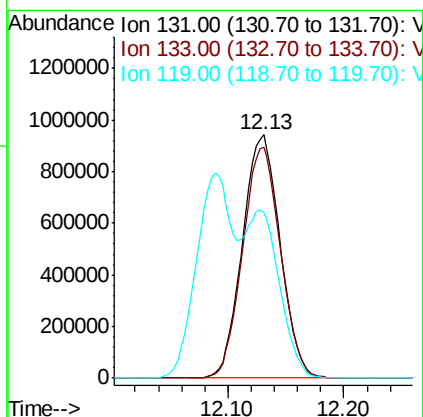
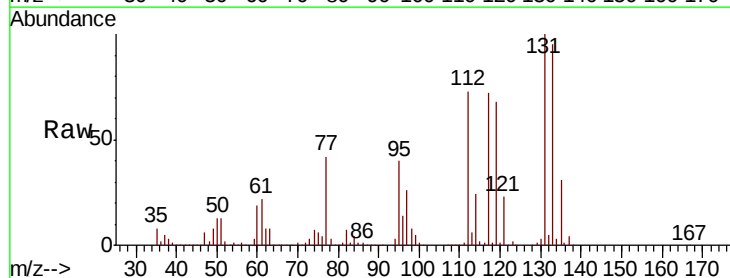
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

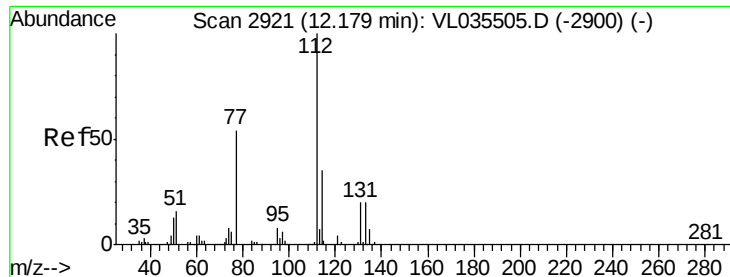
Tot Ion:117 Resp: 6370641
Ion Ratio Lower Upper
117 100
82 44.7 41.6 62.4
119 26.9 29.3 43.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.224 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tgt Ion:131 Resp: 2131865
Ion Ratio Lower Upper
131 100
133 95.3 76.6 115.0
119 56.7 51.6 77.4

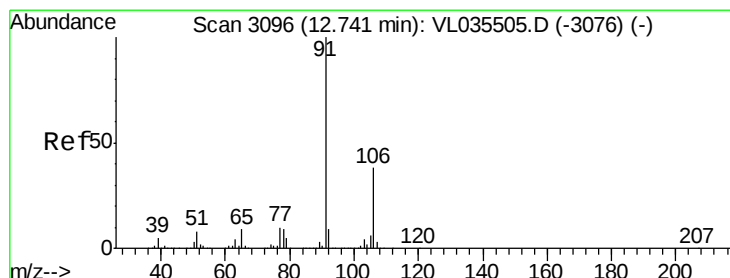
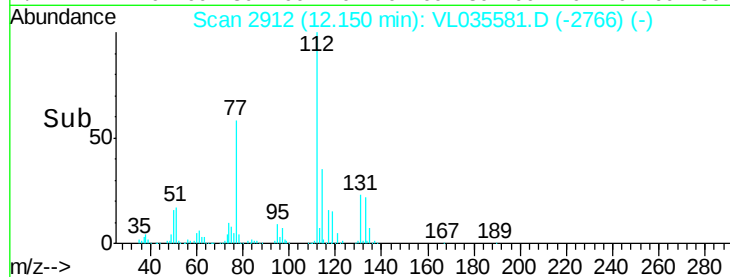
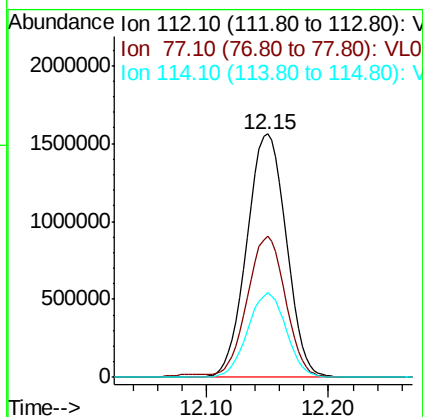
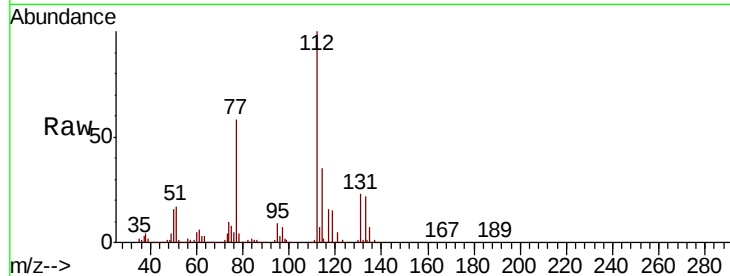




#57
Chlorobenzene
Concen: 7.437 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

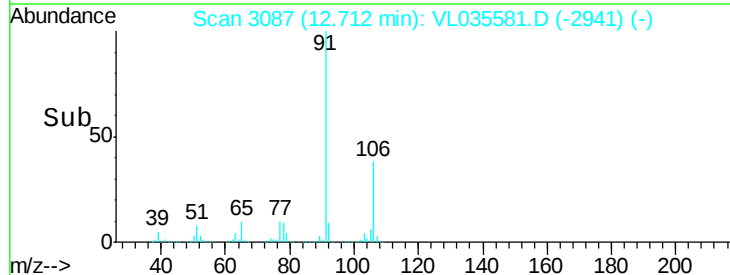
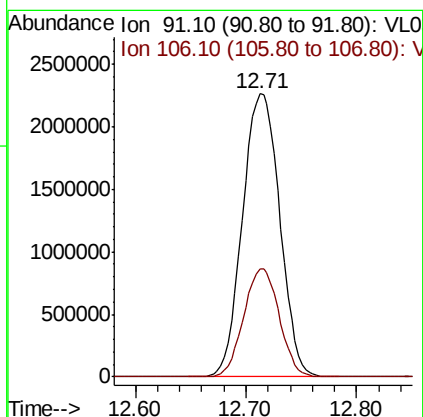
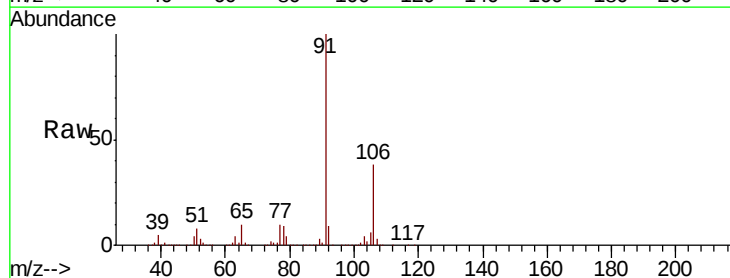
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

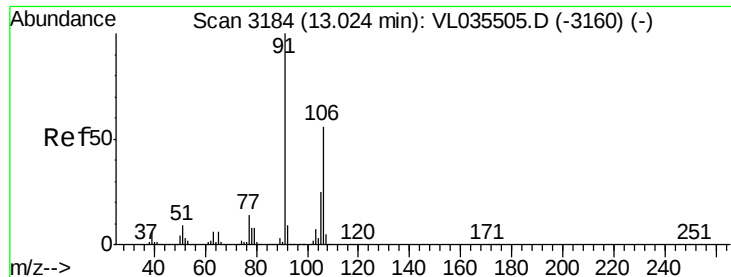
Tot Ion:112 Resp: 3486876
Ion Ratio Lower Upper
112 100
77 57.7 44.2 66.4
114 35.1 31.6 38.6



#58
Ethyl Benzene
Concen: 8.079 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tgt Ion: 91 Resp: 5307635
Ion Ratio Lower Upper
91 100
106 38.1 30.3 45.5

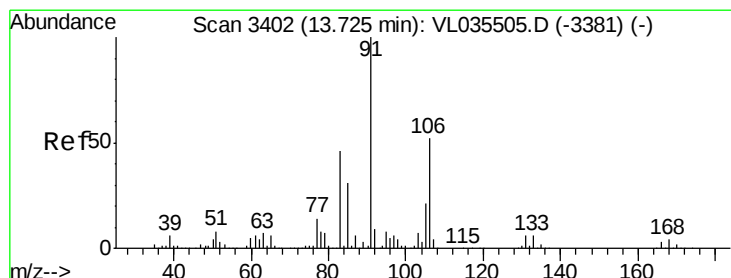
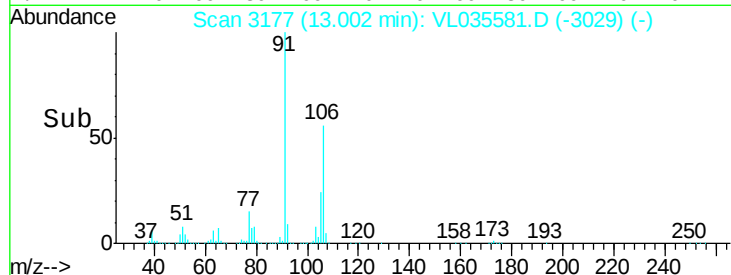
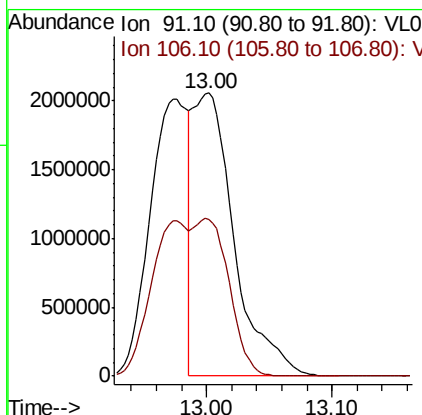
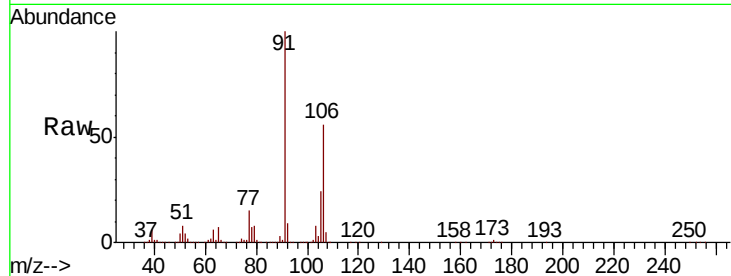




#59
m/p-Xylene
Concen: 8.525 ppbv
RT: 13.00 min Scan# 3177
Delta R.T. -0.02 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

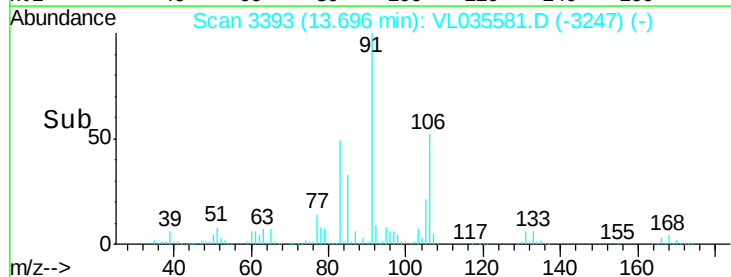
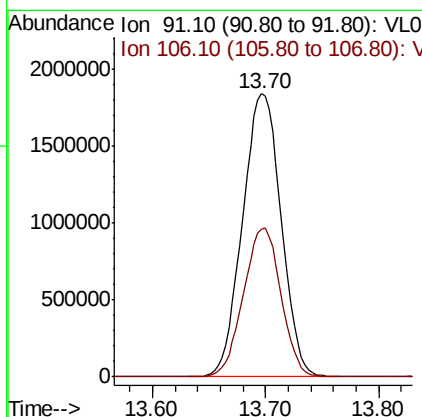
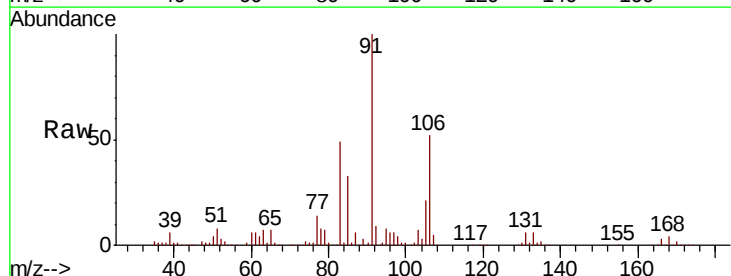
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

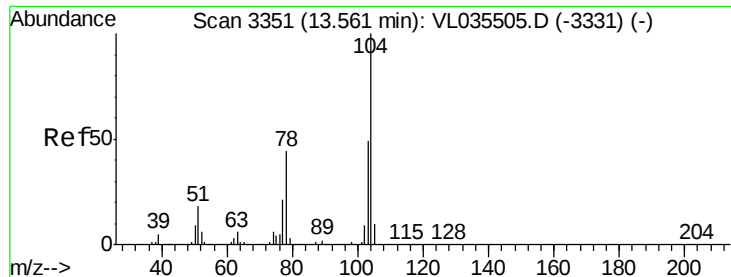
Tot Ion: 91 Resp: 4679916
Ion Ratio Lower Upper
91 100
106 98.6 43.4 65.2#



#60
o-Xylene
Concen: 7.903 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tgt Ion: 91 Resp: 4369201
Ion Ratio Lower Upper
91 100
106 51.3 25.8 77.4





#61

Stvrene

Concen: 8.502 ppbv

RT: 13.53 min Scan# 3342

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

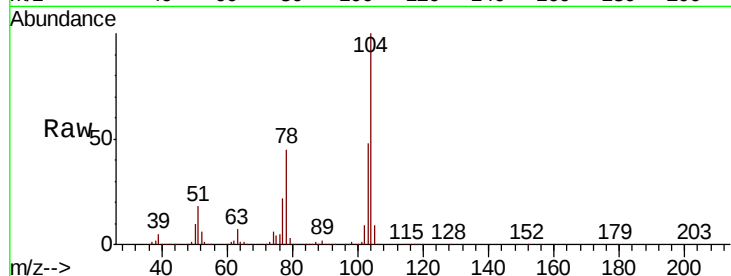
Tot Ion:104 Resp: 3595066

Ion Ratio Lower Upper

104 100

78 44.4 34.8 52.2

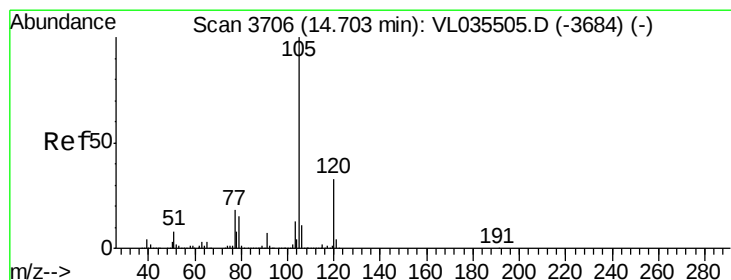
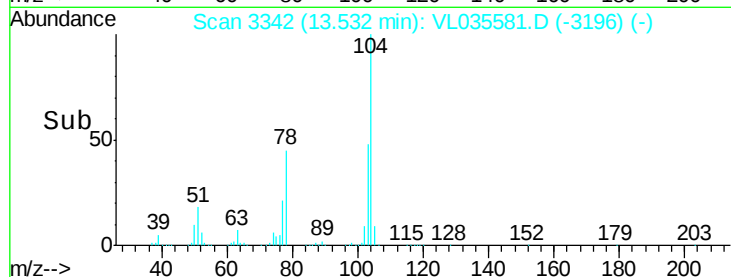
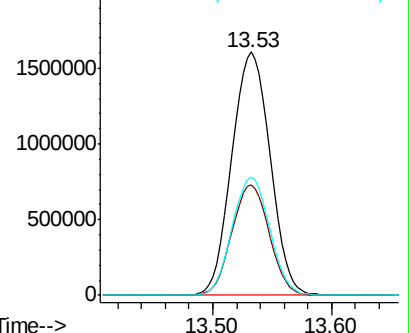
103 47.7 38.2 57.4



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: 7.537 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. -0.03 min

Lab File: VL035581.D

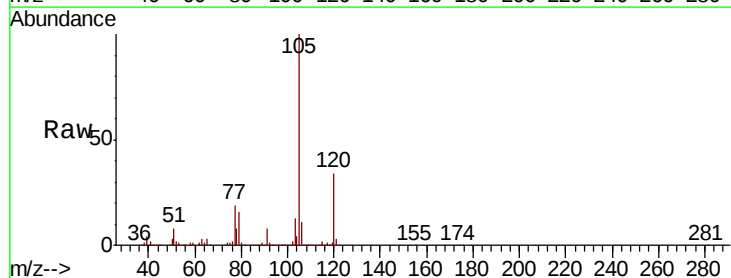
Acq: 10 Sep 2020 12:07

Tgt Ion:105 Resp: 6693648

Ion Ratio Lower Upper

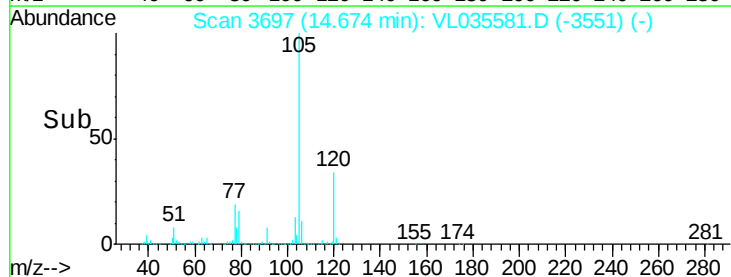
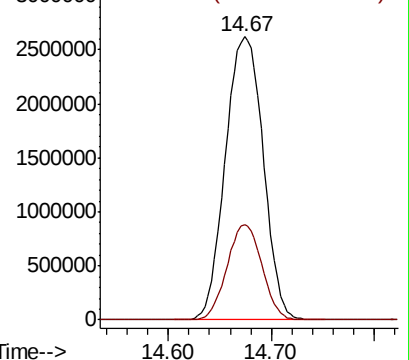
105 100

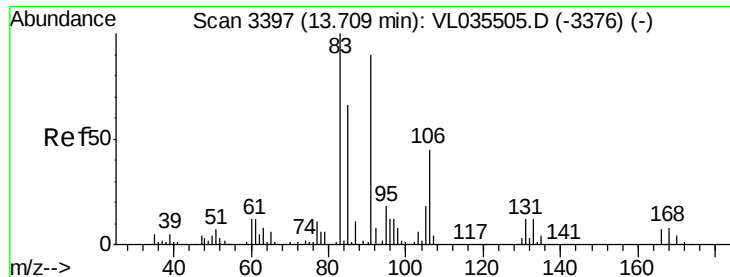
120 31.2 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

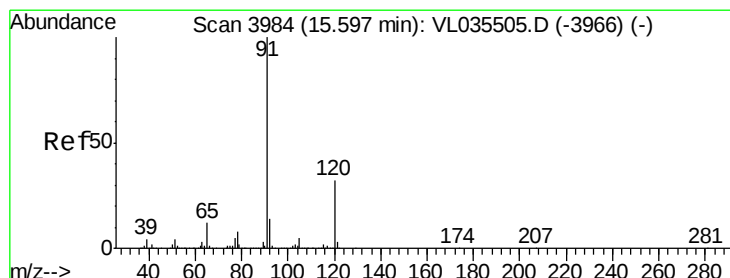
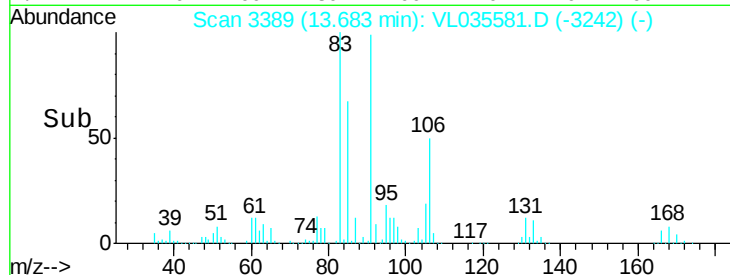
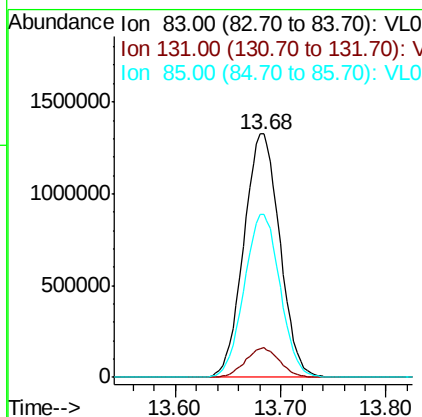
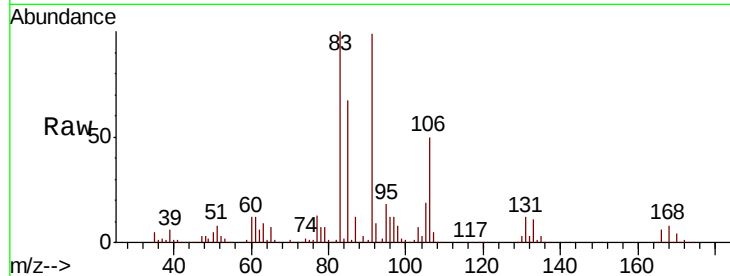




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.344 ppbv
 RT: 13.68 min Scan# 3389
 Delta R.T. -0.03 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

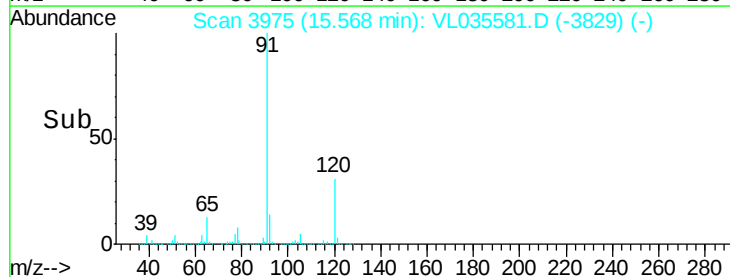
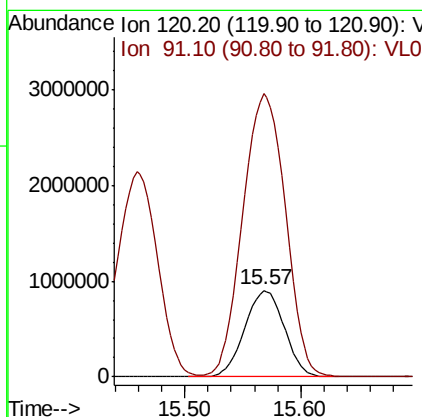
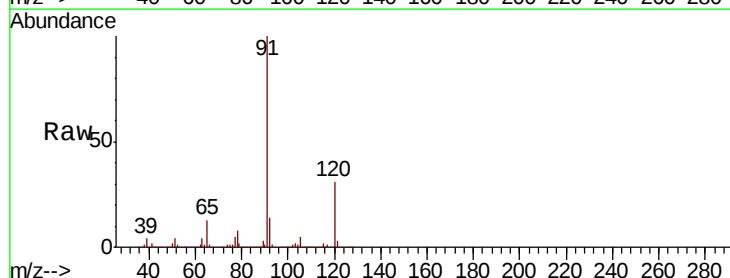
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

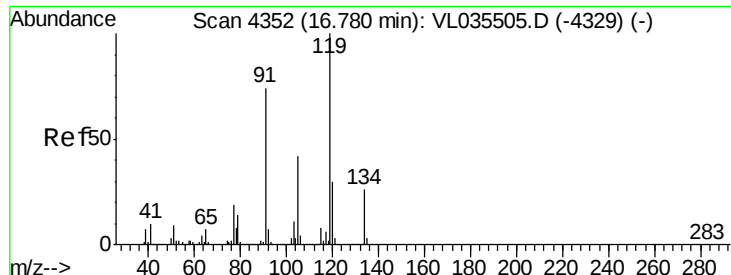
Tot Ion: 83 Resp: 3147753
 Ion Ratio Lower Upper
 83 100
 131 11.6 6.0 18.0
 85 67.0 33.4 100.2



#64
 n-propylbenzene
 Concen: 7.908 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T. -0.03 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Tgt Ion: 120 Resp: 2143333
 Ion Ratio Lower Upper
 120 100
 91 354.6 279.4 419.0





#65

tert-Butylbenzene

Concen: 7.678 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

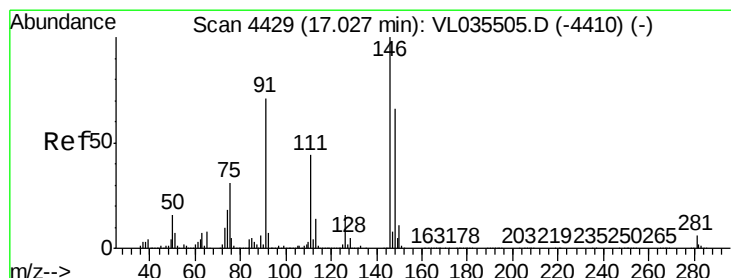
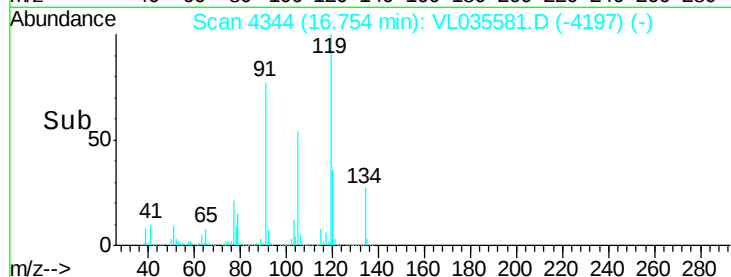
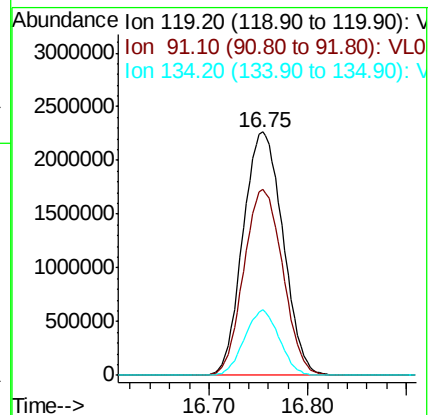
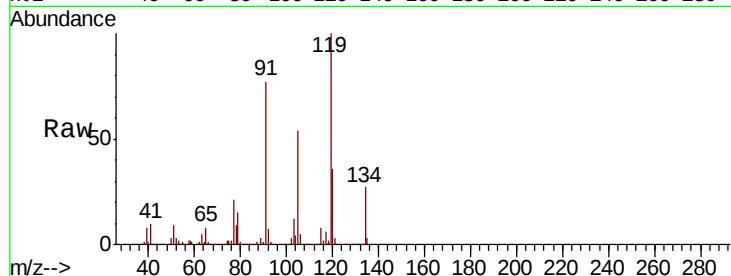
Tot Ion:119 Resp: 6338603

Ion Ratio Lower Upper

119 100

91 74.7 58.6 87.8

134 23.5 18.9 28.3



#66

Benzyl Chloride

Concen: 10.859 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

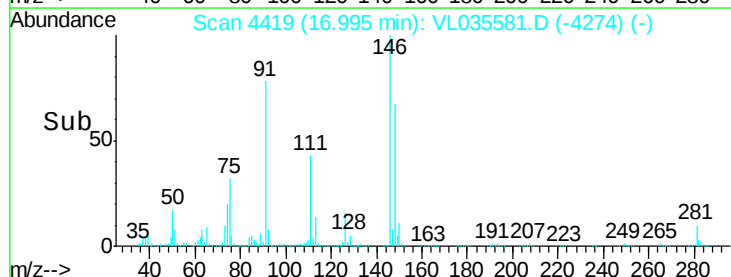
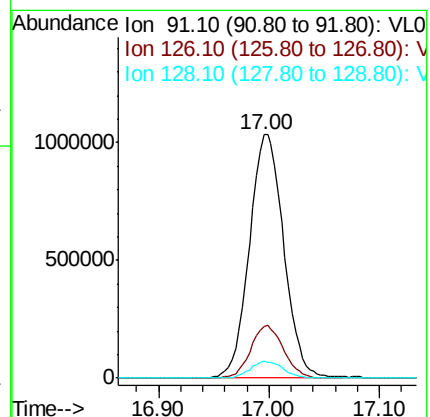
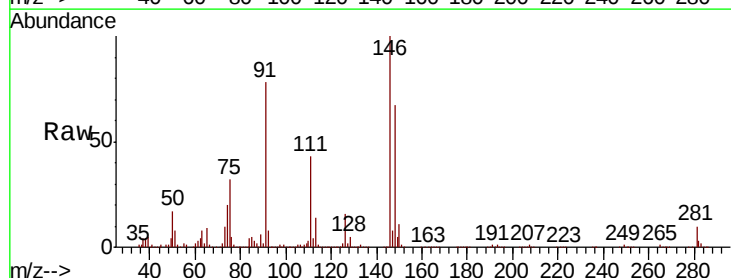
Tgt Ion: 91 Resp: 2228085

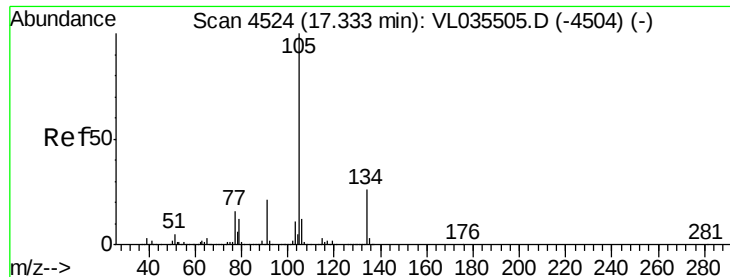
Ion Ratio Lower Upper

91 100

126 20.7 17.2 25.8

128 6.6 5.5 8.3





#67

sec-Butylbenzene

Concen: 7.476 ppbv

RT: 17.30 min Scan# 4515

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

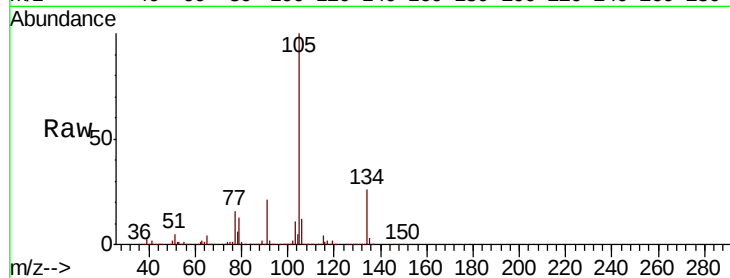
VSTDCCC010

Tot Ion:105 Resp: 8222639

Ion Ratio Lower Upper

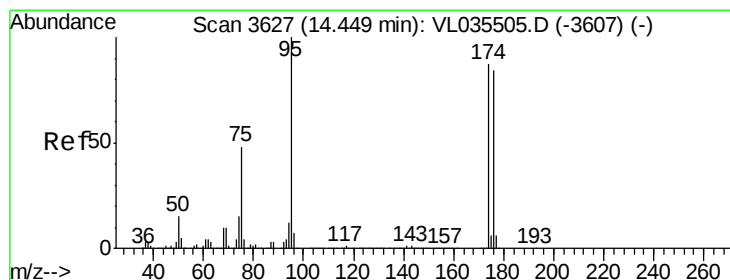
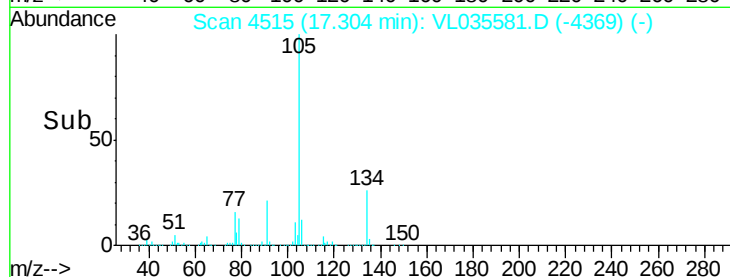
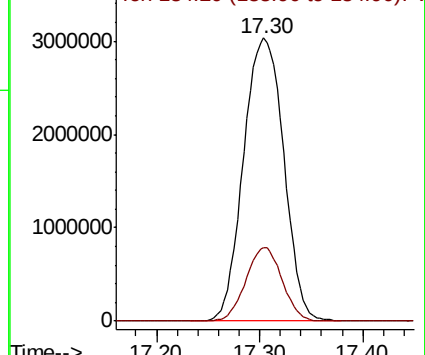
105 100

134 23.5 19.1 28.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.331 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

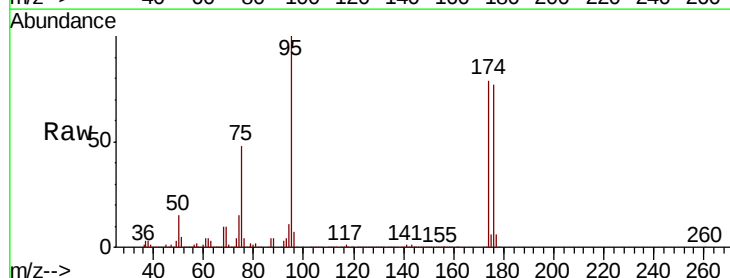
Tgt Ion: 95 Resp: 3768857

Ion Ratio Lower Upper

95 100

174 81.2 69.6 104.4

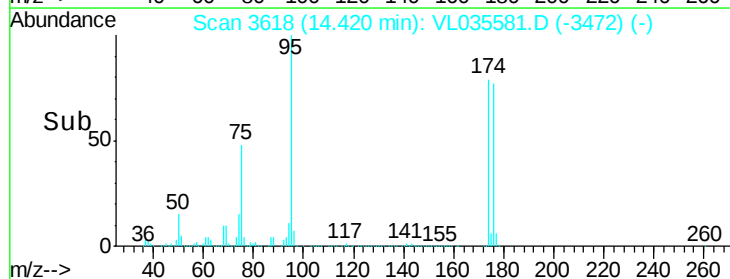
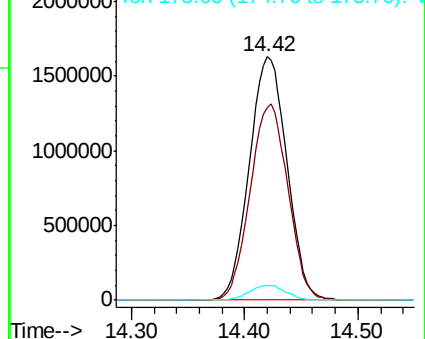
175 5.9 5.1 7.7

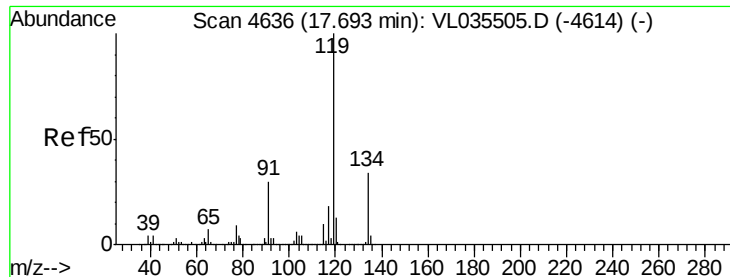


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

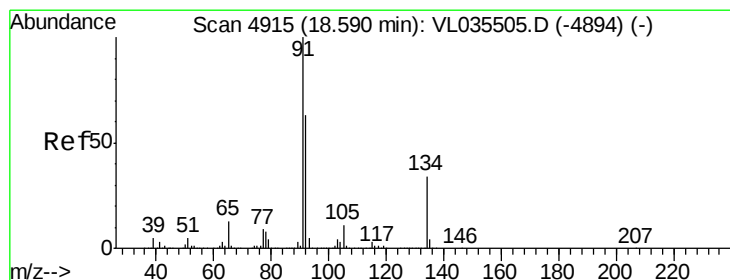
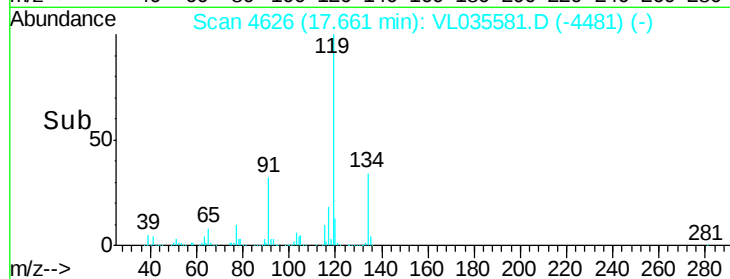
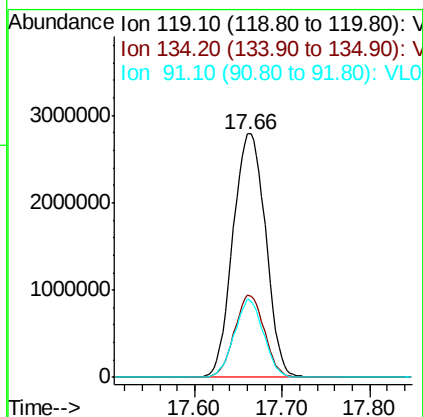
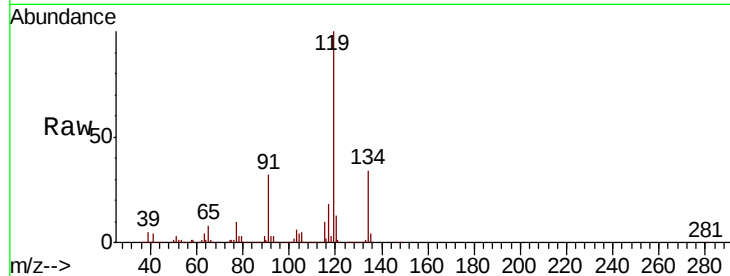




#69
p-Isopropyltoluene
Concen: 7.516 ppbv
RT: 17.66 min Scan# 4626
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

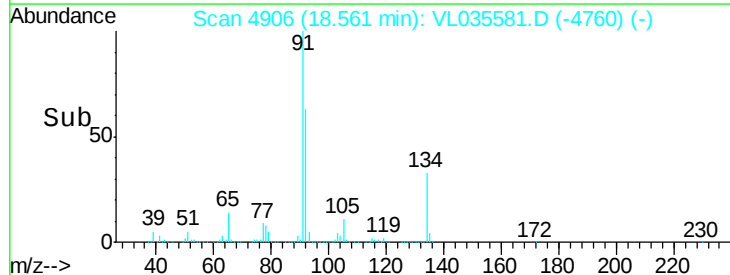
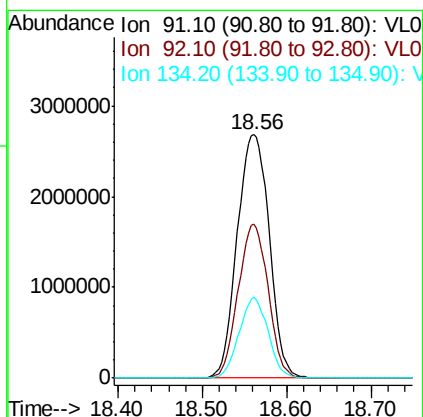
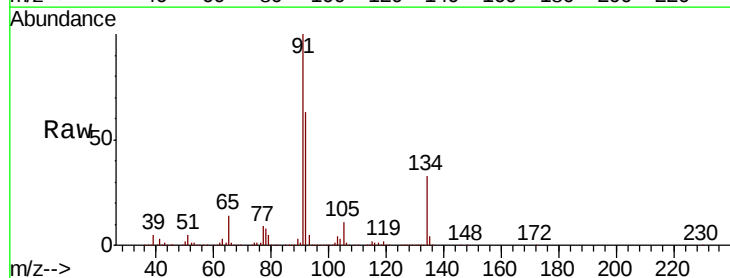
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

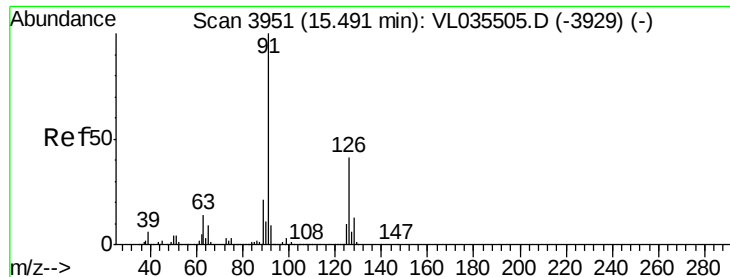
Tot Ion:119 Resp: 7251623
Ion Ratio Lower Upper
119 100
134 30.9 25.0 37.4
91 28.6 22.3 33.5



#70
n-Butylbenzene
Concen: 7.630 ppbv
RT: 18.56 min Scan# 4906
Delta R.T. -0.03 min
Lab File: VL035581.D
Acq: 10 Sep 2020 12:07

Tgt Ion: 91 Resp: 7090504
Ion Ratio Lower Upper
91 100
92 59.4 47.3 70.9
134 30.0 24.6 37.0

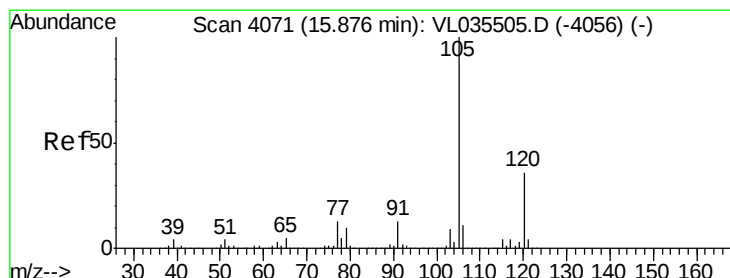
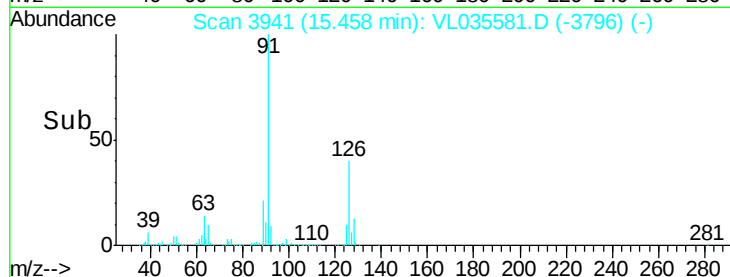
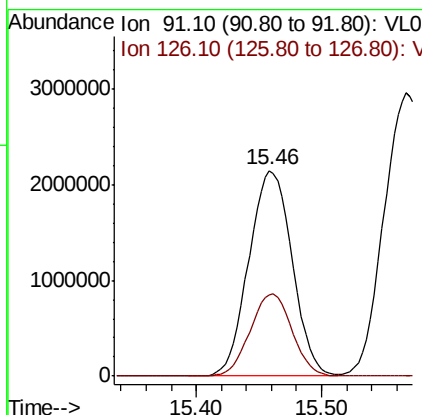
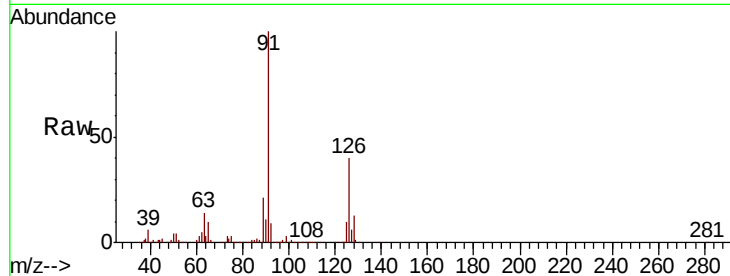




#71
 2-Chlorotoluene
 Concen: 7.973 ppbv
 RT: 15.46 min Scan# 3941
 Delta R.T. -0.03 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

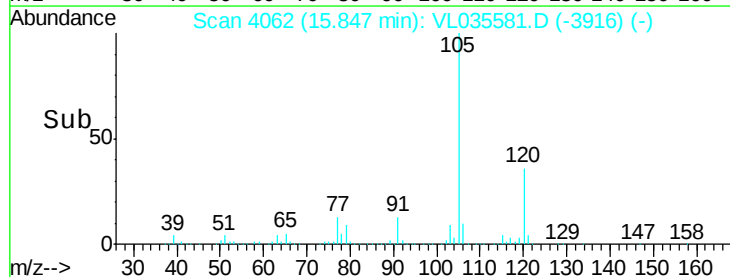
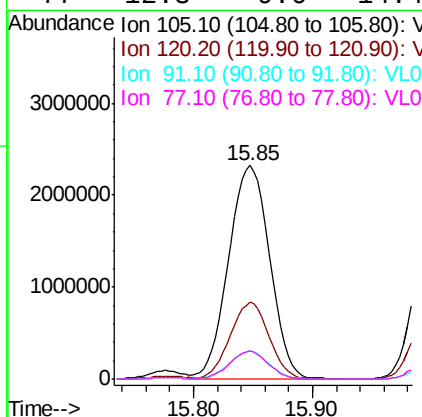
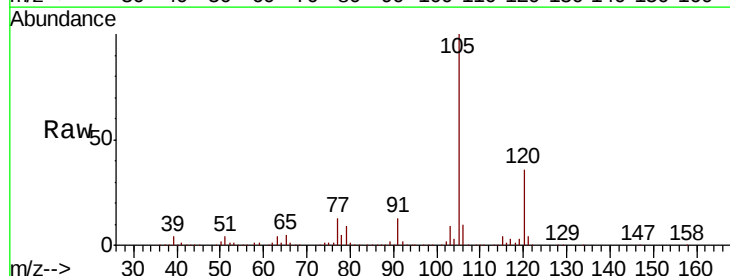
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

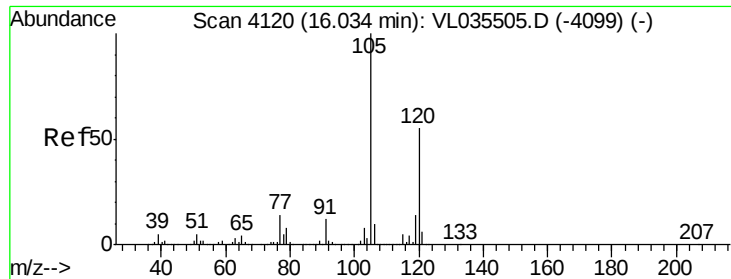
Tot Ion: 91 Resp: 5156235
 Ion Ratio Lower Upper
 91 100
 126 38.6 15.6 62.6



#72
 4-Ethyltoluene
 Concen: 7.910 ppbv
 RT: 15.85 min Scan# 4062
 Delta R.T. -0.03 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Tgt Ion: 105 Resp: 5559581
 Ion Ratio Lower Upper
 105 100
 120 34.2 27.4 41.2
 91 12.3 9.7 14.5
 77 12.3 9.6 14.4





#73

1,3,5-Trimethylbenzene

Concen: 7.932 ppbv

RT: 16.00 min Scan# 4111

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

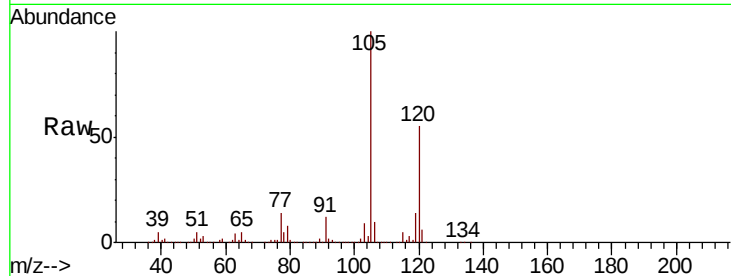
VSTDCCC010

Tot Ion:105 Resp: 5156949

Ion Ratio Lower Upper

105 100

120 55.2 44.2 66.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2500000

2000000

1500000

1000000

500000

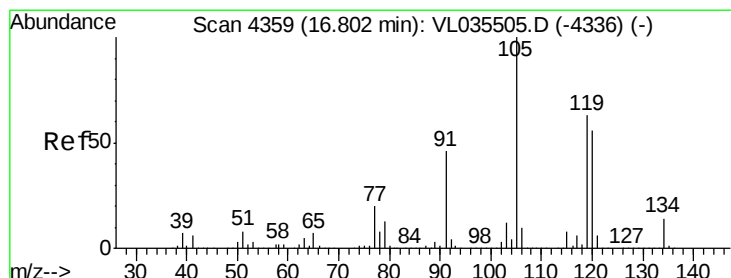
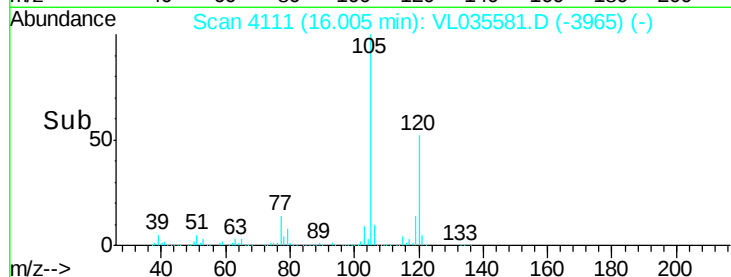
0

15.90

16.00

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.540 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Tgt Ion:105 Resp: 5382956

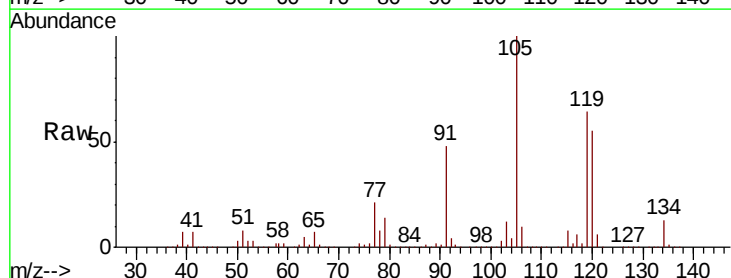
Ion Ratio Lower Upper

105 100

120 55.3 44.4 66.6

91 48.1 37.1 55.7

77 20.6 16.0 24.0



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

3000000

2000000

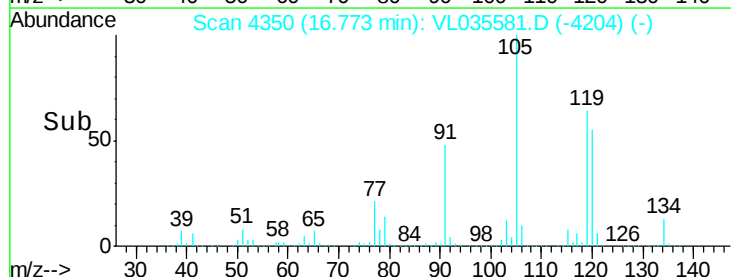
1000000

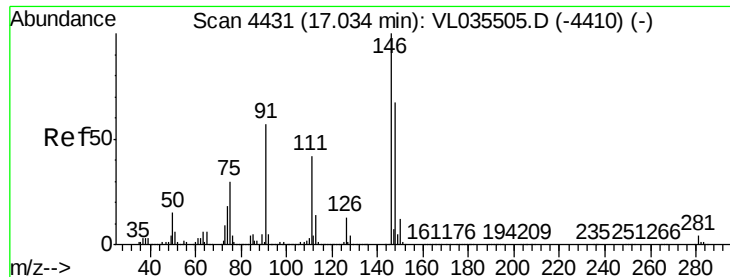
0

16.70

16.80

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.247 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

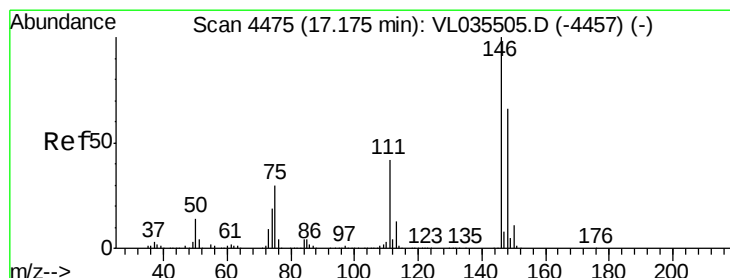
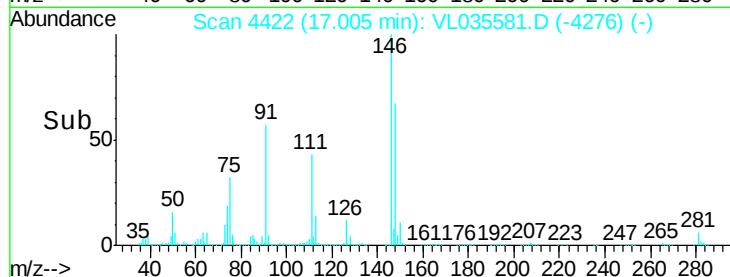
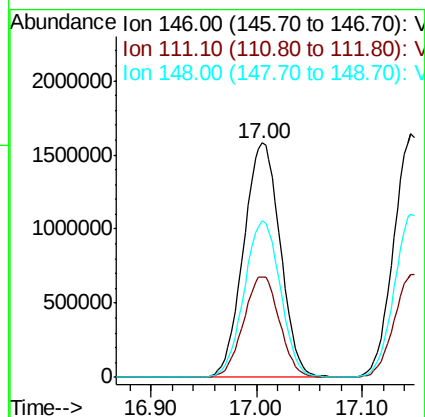
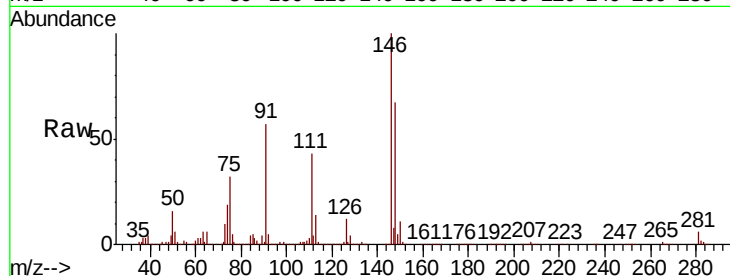
Tot Ion:146 Resp: 3832383

Ion Ratio Lower Upper

146 100

111 42.3 20.7 62.1

148 66.0 33.0 98.9



#76

1,4-Dichlorobenzene

Concen: 7.406 ppbv

RT: 17.15 min Scan# 4466

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

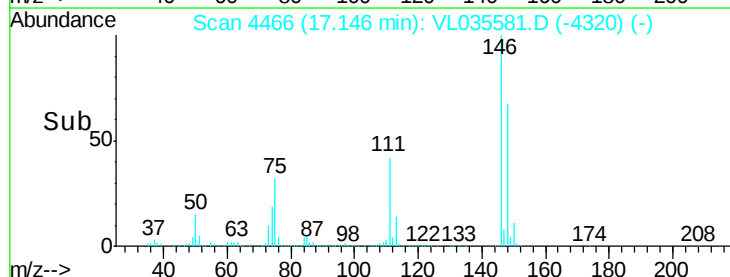
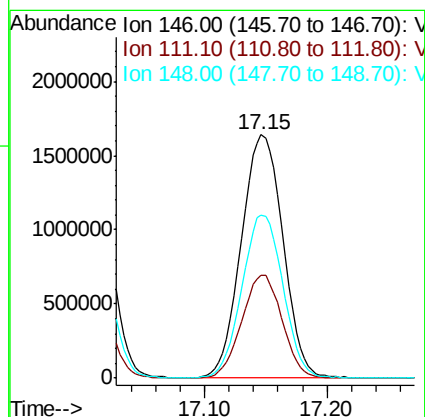
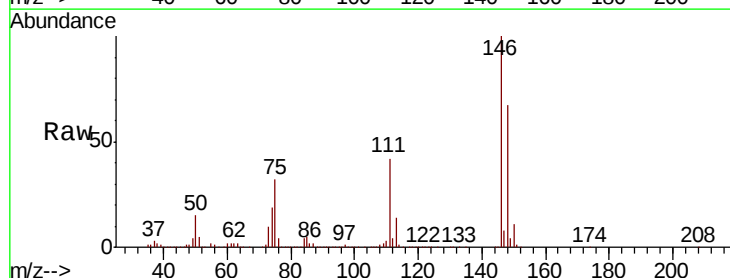
Tgt Ion:146 Resp: 3862676

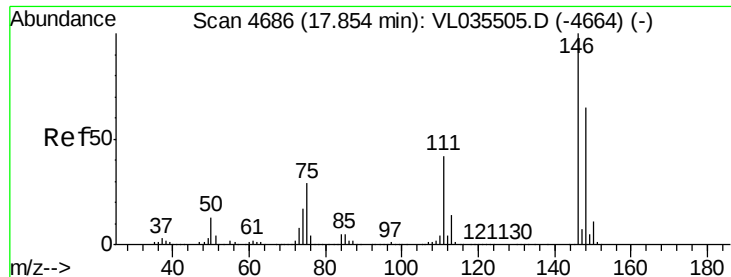
Ion Ratio Lower Upper

146 100

111 41.2 20.0 60.0

148 66.5 33.2 99.6





#77

1,2-Dichlorobenzene

Concen: 7.412 ppbv

RT: 17.82 min Scan# 4677

Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

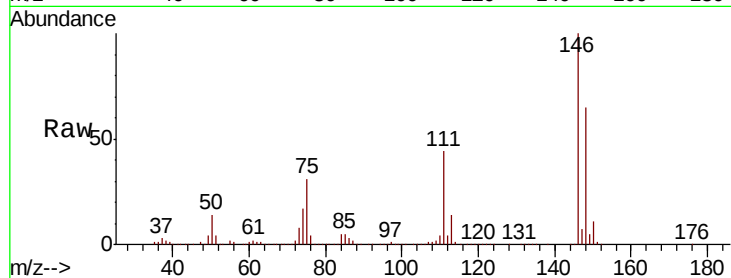
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 3797327

Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.1	63.3
148	66.0	32.9	98.7

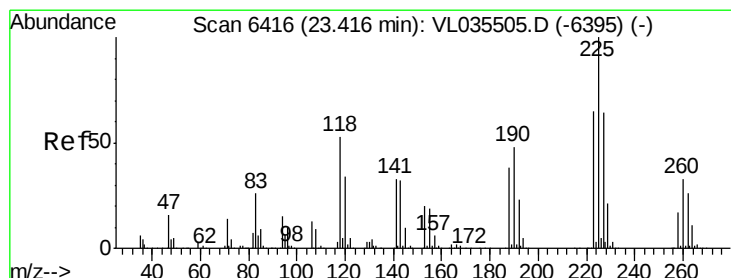
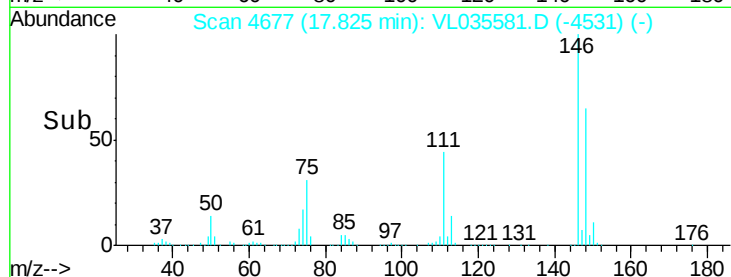
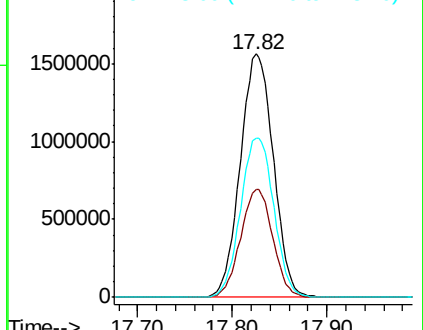


Abundance

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



#78

Hexachloro-1,3-Butadiene

Concen: 7.085 ppbv

RT: 23.39 min Scan# 6408

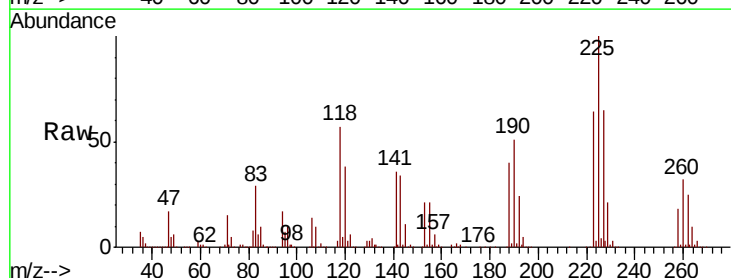
Delta R.T. -0.03 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Tgt Ion:225 Resp: 2317384

Ion	Ratio	Lower	Upper
225	100		
223	64.0	51.7	77.5
227	64.4	51.5	77.3

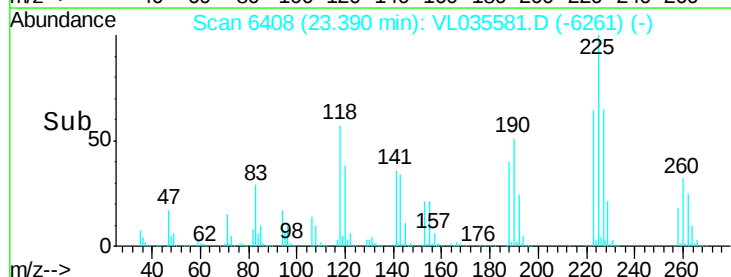
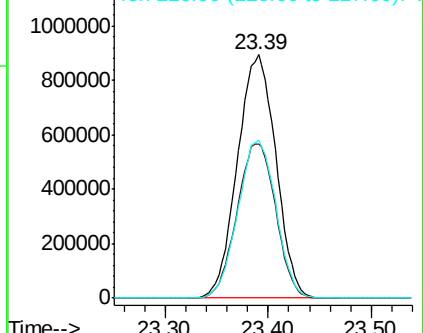


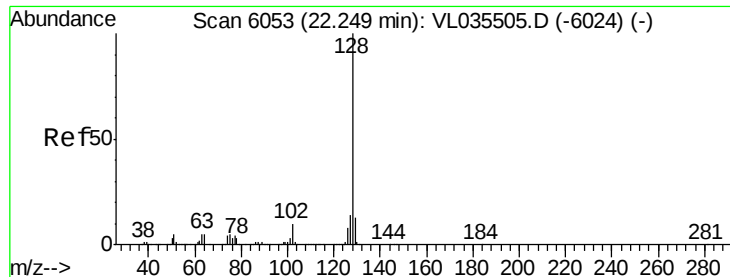
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.220 ppbv

RT: 22.21 min Scan# 6042

Delta R.T. -0.04 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Instrument :

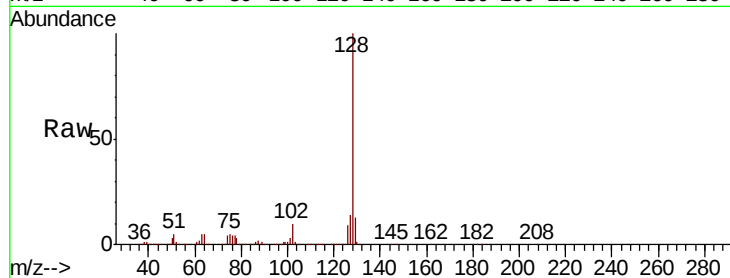
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 6511531

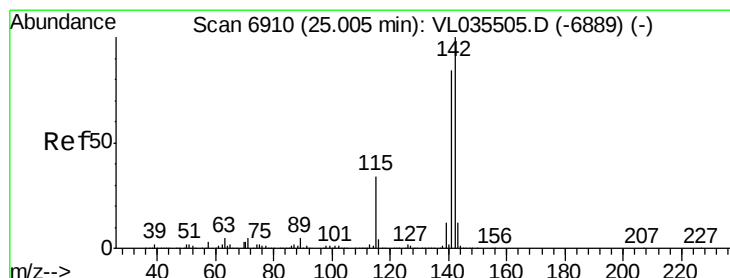
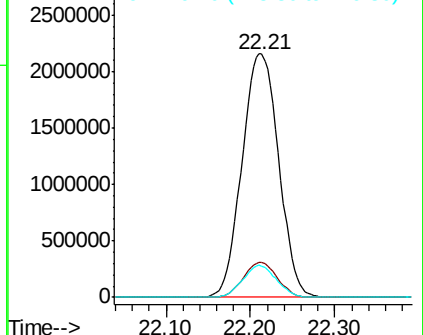
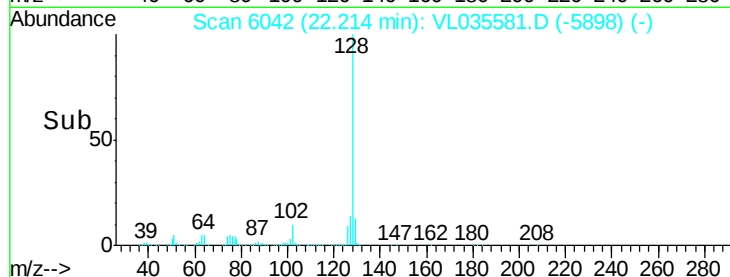
Ion	Ratio	Lower	Upper
128	100		
127	14.5	11.4	17.2
129	12.7	10.5	15.7



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: 9.927 ppbv

RT: 24.98 min Scan# 6903

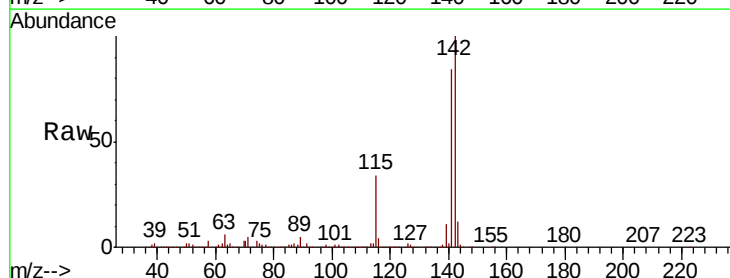
Delta R.T. -0.02 min

Lab File: VL035581.D

Acq: 10 Sep 2020 12:07

Tgt Ion:142 Resp: 2684018

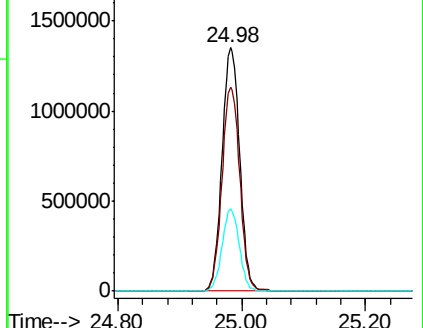
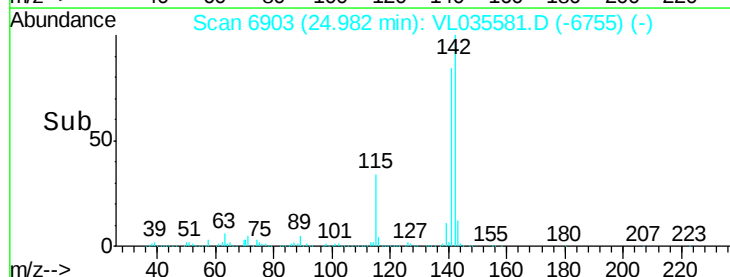
Ion	Ratio	Lower	Upper
142	100		
141	84.1	67.6	101.4
115	32.9	25.8	38.8

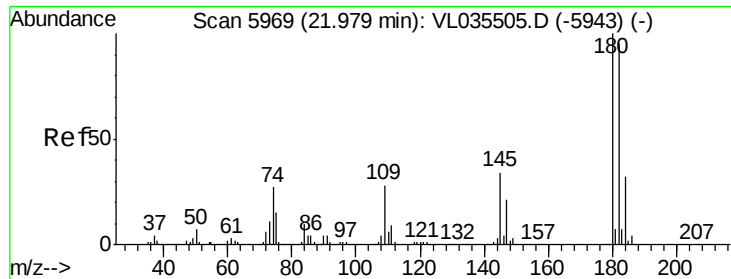


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

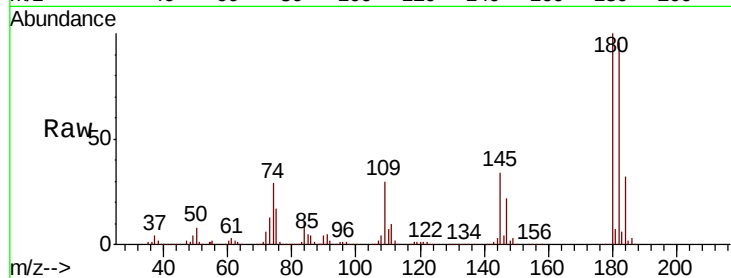




#81
 1,2,4-Trichlorobenzene
 Concen: 7.675 ppbv
 RT: 21.94 min Scan# 5958
 Delta R.T. -0.04 min
 Lab File: VL035581.D
 Acq: 10 Sep 2020 12:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:180 Resp: 3640927
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.3 114.5
 184 31.4 25.3 37.9



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

