

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035331.D
 Acq On : 4 Aug 2020 2:44
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Aug 04 05:41:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 04 05:31:29 2020
 QLast Update : Tue Aug 04 05:31:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1426558	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3433236	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	4156104	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2917748	8.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1514228	8.113	ppbv 95
3) Chlorodifluoromethane	2.94	51	1365423	8.328	ppbv 97
4) Chloromethane	3.09	50	758408	8.101	ppbv 98
5) Vinyl Chloride	3.21	62	788720	8.653	ppbv 99
6) Bromomethane	3.43	94	514554	8.582	ppbv 99
7) Chloroethane	3.51	64	300654	8.297	ppbv 95
8) Dichlorotetrafluoroethane	3.14	85	1901788	8.447	ppbv 97
9) Propene	2.96	41	502396	8.481	ppbv 96
10) Heptane	8.13	43	1482906	9.753	ppbv 99
11) Trichlorofluoromethane	3.91	101	2100112	8.615	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1481515	8.719	ppbv 95
13) Ethanol	3.56	45	125693	5.744	ppbv 99
14) Bromoethene	3.70	108	616837	8.815	ppbv 99
15) Acetone	3.81	43	1619091	7.849	ppbv 99
16) 1,3-Butadiene	3.28	39	699940	9.098	ppbv 99
17) tert-Butyl alcohol	4.26	59	1592744	8.477	ppbv 99
18) 1,1-Dichloroethene	4.26	96	672403	8.790	ppbv 100
19) Isopropyl Alcohol	3.93	45	996981	7.694	ppbv # 97
20) Methylene Chloride	4.31	84	597882	6.345	ppbv 95
21) Allyl Chloride	4.38	41	1051930	9.004	ppbv 98
22) trans-1,2-Dichloroethene	4.86	96	672772	8.865	ppbv 97
23) Vinyl Acetate	5.05	43	1836666	8.985	ppbv 99
24) 1,1-Dichloroethane	4.99	63	1588409	8.351	ppbv 100
25) Ethyl Acetate	5.66	43	2703133	8.669	ppbv 99
26) Hexane	5.67	57	1221950	8.753	ppbv 99
27) Carbon Disulfide	4.52	76	1805946	9.614	ppbv 100
28) Methyl tert-Butyl Ether	5.01	73	1861978	8.875	ppbv 99
29) Chloroform	5.74	83	2043436	8.653	ppbv 99
30) Cyclohexane	7.12	84	984424	9.400	ppbv 95
31) cis-1,2-Dichloroethene	5.53	61	1191034	9.248	ppbv 97
32) 1,1,1-Trichloroethane	6.51	97	2011586	8.809	ppbv 99
34) 2-Butanone	5.22	43	1617010	8.946	ppbv 100
35) Carbon Tetrachloride	7.01	117	2162784	9.741	ppbv 96
36) Benzene	6.89	78	2366990	9.404	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1573127	9.226	ppbv 99
38) Trichloroethene	7.84	130	1030312	11.139	ppbv 95
39) 1,2-Dichloropropane	7.62	63	912018	9.194	ppbv 97
40) 1,4-Dioxane	7.83	88	157494	3.656	ppbv # 1
41) Tetrahydrofuran	6.03	42	854752	9.586	ppbv 98
42) Bromodichloromethane	7.80	83	2205207	9.479	ppbv 96
43) Methyl Methacrylate	8.02	69	1068286	10.158	ppbv 97

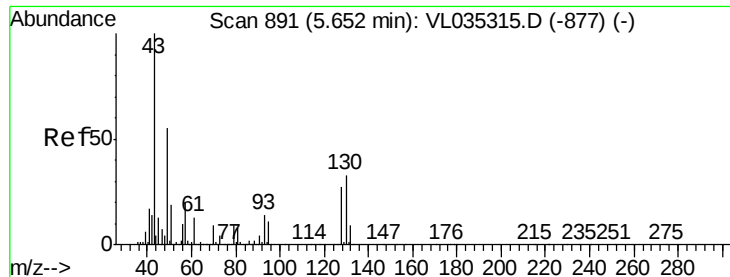
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035331.D
 Acq On : 4 Aug 2020 2:44
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Aug 04 05:41:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 04 05:31:29 2020
 QLast Update : Tue Aug 04 05:31:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4116641	9.547	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1243407	11.077	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1471194	10.947	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	1052474	9.142	ppbv	96
48) Dibromochloromethane	10.32	129	1873028	9.999	ppbv	99
49) Bromoform	13.07	173	1736127	10.640	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2524780	9.890	ppbv	100
51) 2-Hexanone	10.14	43	2042829	10.342	ppbv #	99
52) Tetrachloroethene	11.25	164	906491	10.223	ppbv	98
53) Toluene	9.82	91	2834111	10.707	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1640401	9.625	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	1446525	7.416	ppbv	97
57) Chlorobenzene	12.17	112	2331718	7.331	ppbv	98
58) Ethyl Benzene	12.73	91	3933116	8.637	ppbv	96
59) m/p-Xylene	13.02	91	2759289	6.567	ppbv #	1
60) o-Xylene	13.72	91	3394621	8.172	ppbv	99
61) Styrene	13.55	104	2340368	9.164	ppbv	99
62) Isopropylbenzene	14.70	105	4987839	7.960	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2491134	7.646	ppbv	98
64) n-propylbenzene	15.59	120	746593	4.555	ppbv #	1
65) tert-Butylbenzene	16.78	119	4563310	8.133	ppbv	100
66) Benzyl Chloride	17.03	91	1868466	8.613	ppbv	99
67) sec-Butylbenzene	17.33	105	6375835	8.037	ppbv	100
69) p-Isopropyltoluene	17.69	119	5292168	8.063	ppbv	100
70) n-Butylbenzene	18.59	91	5552120	7.863	ppbv	99
71) 2-Chlorotoluene	15.48	91	3883465	8.304	ppbv	99
72) 4-Ethyltoluene	15.87	105	3962836	8.456	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3804909	8.288	ppbv	98
74) 1,2,4-Trimethylbenzene	16.80	105	4022727	7.642	ppbv	94
75) 1,3-Dichlorobenzene	17.04	146	2313868	7.067	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2300291	7.422	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	2238343	7.412	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1716856	7.003	ppbv	99
79) Naphthalene	22.26	128	3392483	8.143	ppbv	99
80) Naphthalene, 2-methyl-	25.01	142	1173214	9.591	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1908345	7.530	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

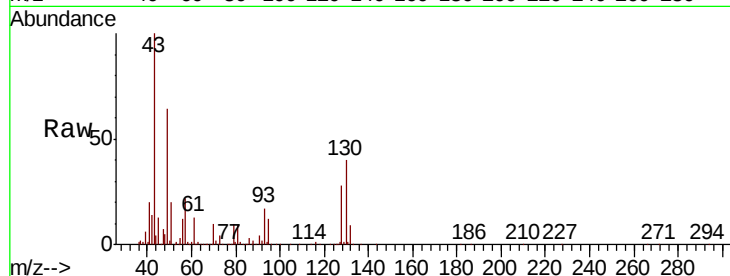
Tot Ion: 49 Resp: 1426558

Ion Ratio Lower Upper

49 100

128 47.7 23.8 71.5

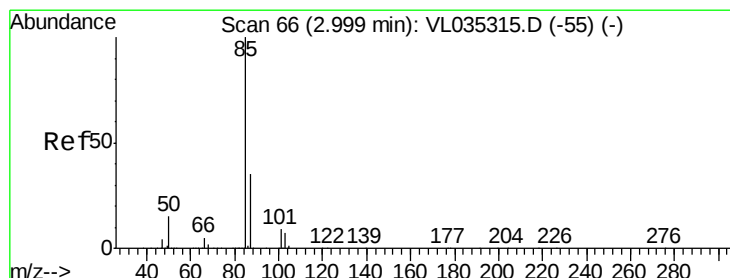
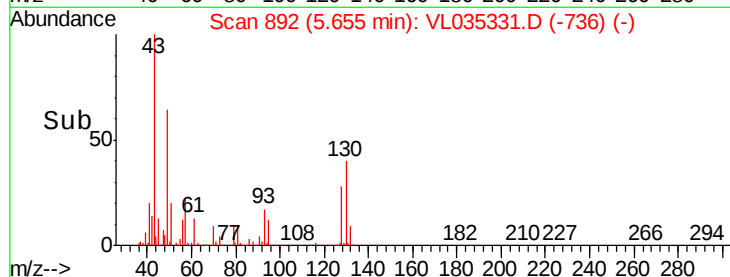
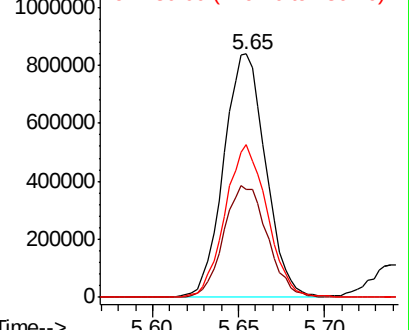
130 63.0 31.4 94.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.113 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL035331.D

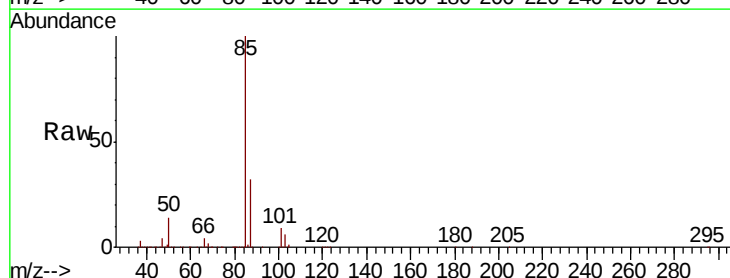
Acq: 4 Aug 2020 2:44

Tgt Ion: 85 Resp: 1514228

Ion Ratio Lower Upper

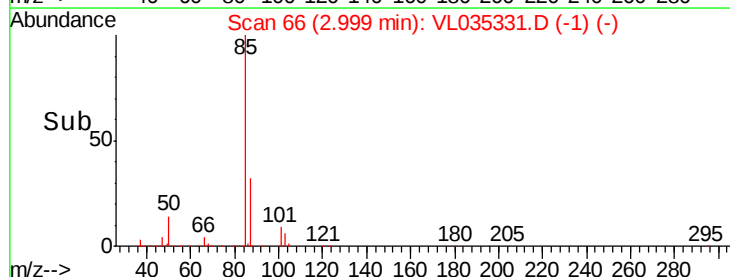
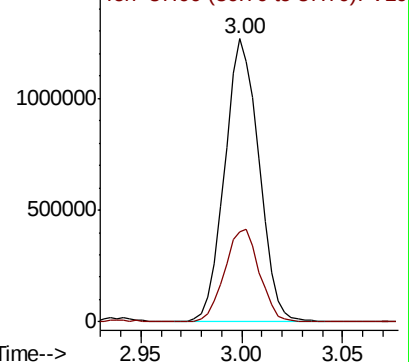
85 100

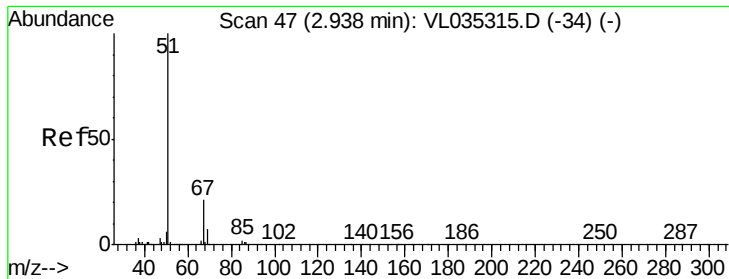
87 31.8 27.8 41.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.328 ppbv

RT: 2.94 min Scan# 47

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

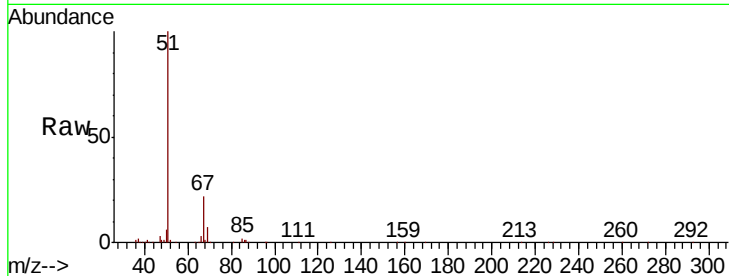
VSTDCCC010EC

Tot Ion: 51 Resp: 1365423

Ion Ratio Lower Upper

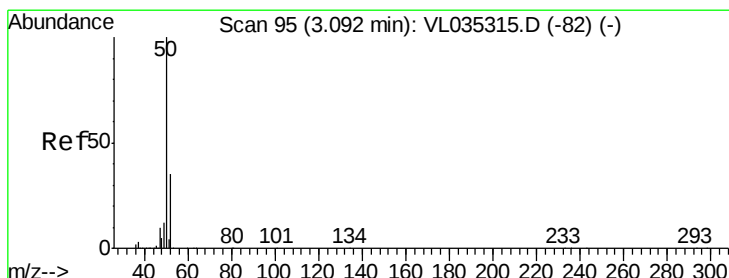
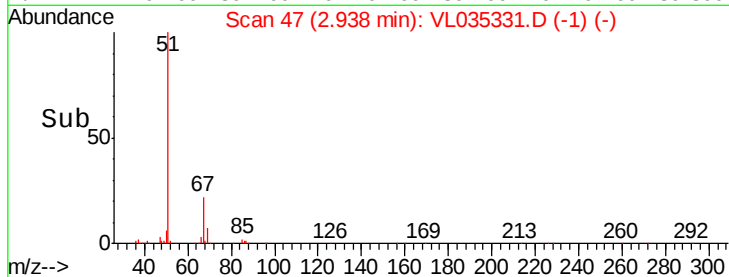
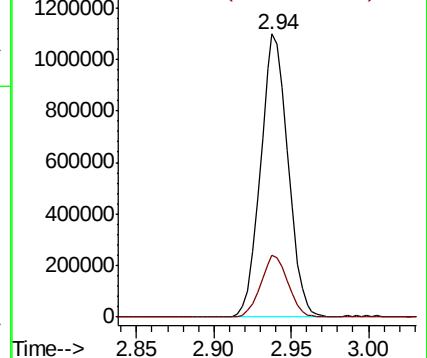
51 100

67 21.7 16.2 24.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.101 ppbv

RT: 3.09 min Scan# 95

Delta R.T. -0.00 min

Lab File: VL035331.D

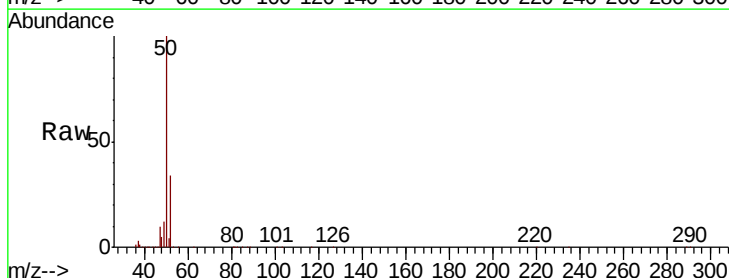
Acq: 4 Aug 2020 2:44

Tgt Ion: 50 Resp: 758408

Ion Ratio Lower Upper

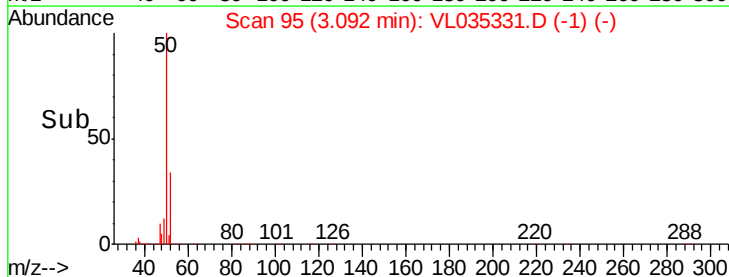
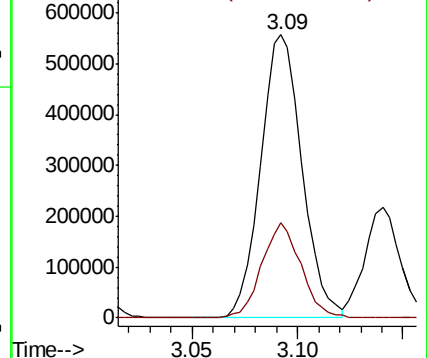
50 100

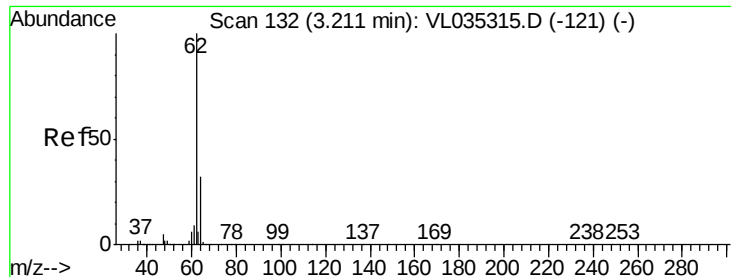
52 33.8 27.8 41.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.653 ppbv

RT: 3.21 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

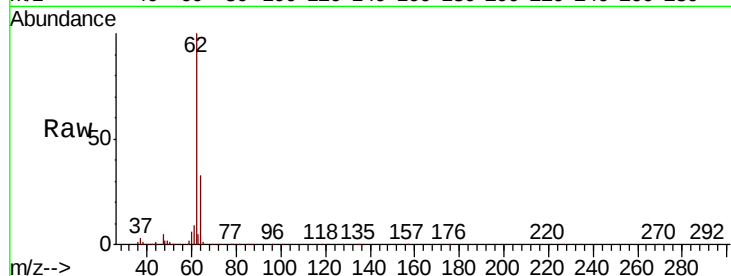
VSTDCCC010EC

Tot Ion: 62 Resp: 788720

Ion Ratio Lower Upper

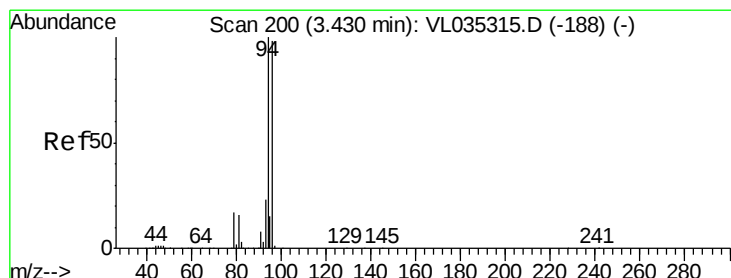
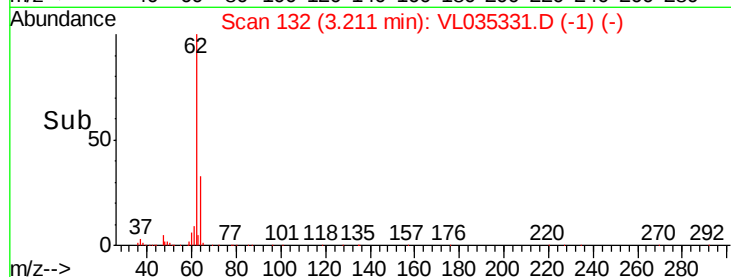
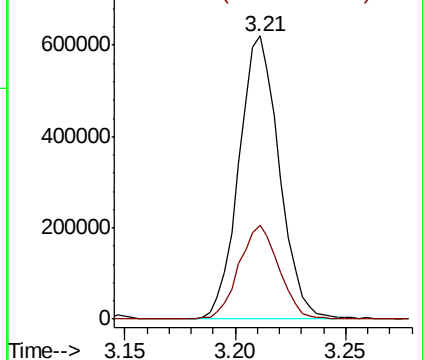
62 100

64 33.2 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.582 ppbv

RT: 3.43 min Scan# 200

Delta R.T. -0.00 min

Lab File: VL035331.D

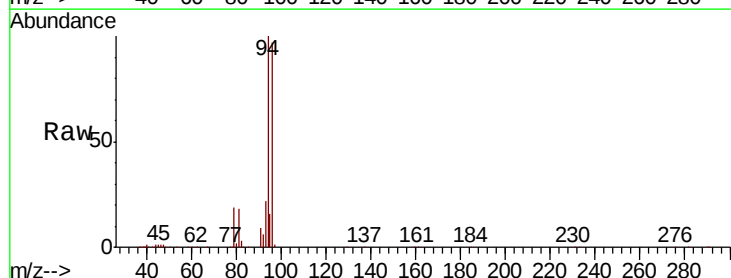
Acq: 4 Aug 2020 2:44

Tgt Ion: 94 Resp: 514554

Ion Ratio Lower Upper

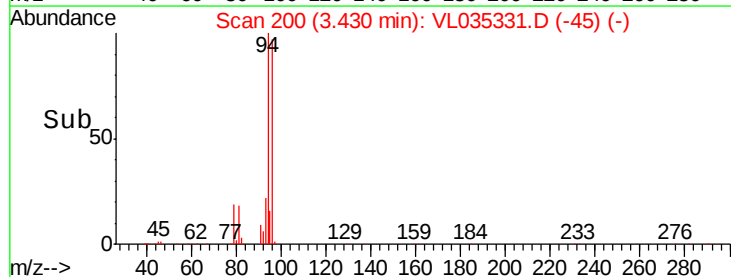
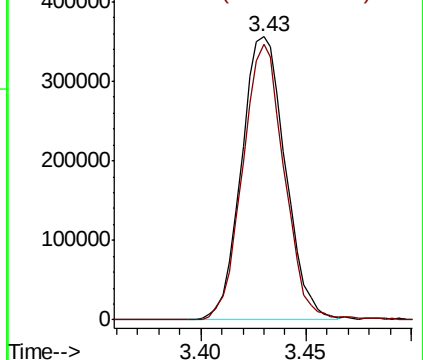
94 100

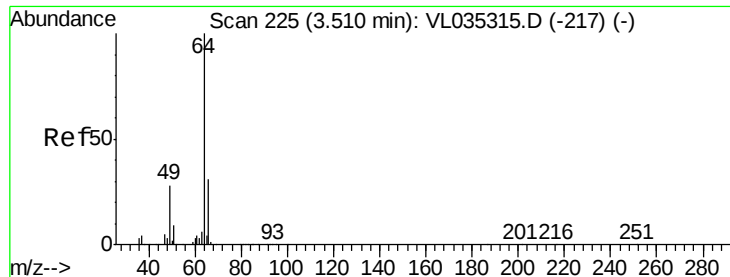
96 97.3 78.6 117.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.297 ppbv

RT: 3.51 min Scan# 226

Delta R.T. 0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

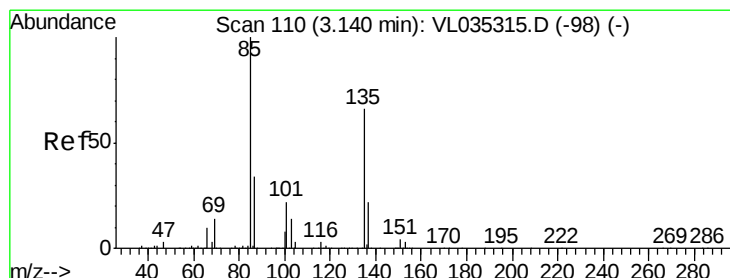
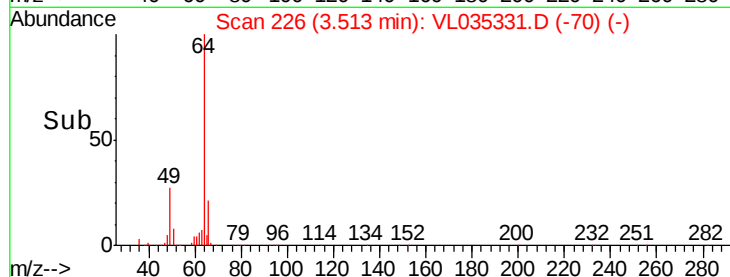
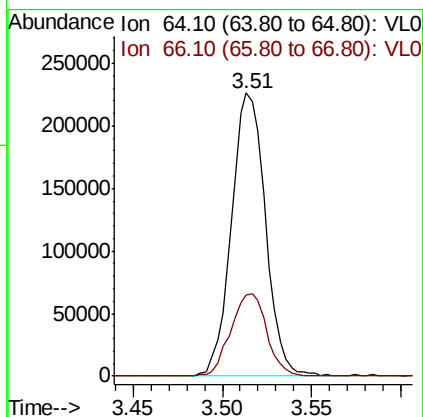
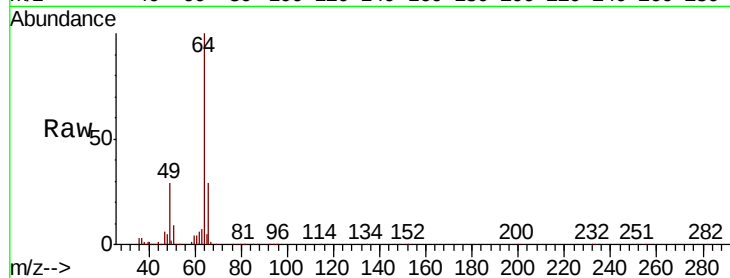
VSTDCCC010EC

Tot Ion: 64 Resp: 300654

Ion Ratio Lower Upper

64 100

66 28.5 24.9 37.3



#8

Dichlorotetrafluoroethane

Concen: 8.447 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL035331.D

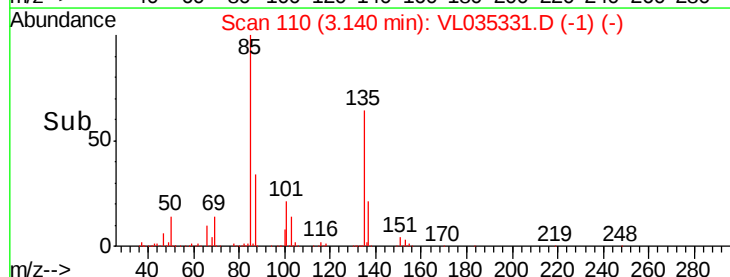
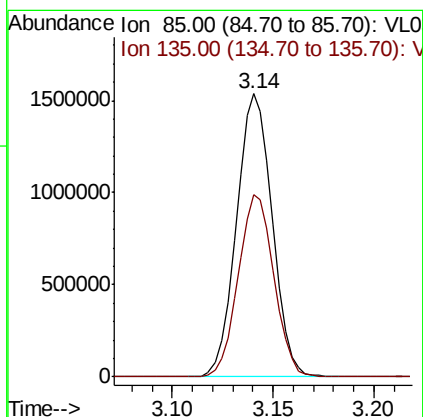
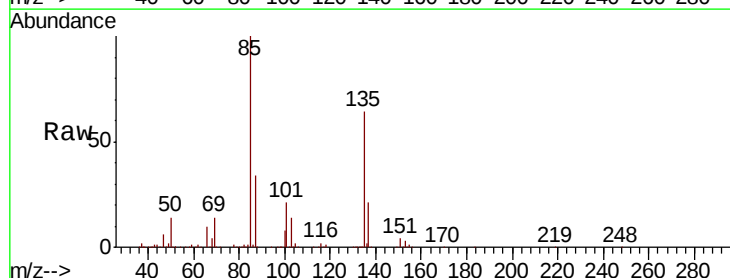
Acq: 4 Aug 2020 2:44

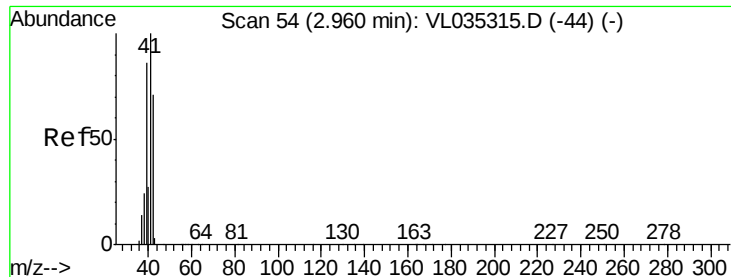
Tgt Ion: 85 Resp: 1901788

Ion Ratio Lower Upper

85 100

135 64.6 53.4 80.0





#9

Propene

Concen: 8.481 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

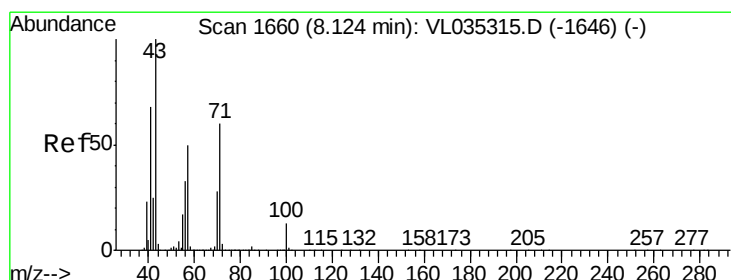
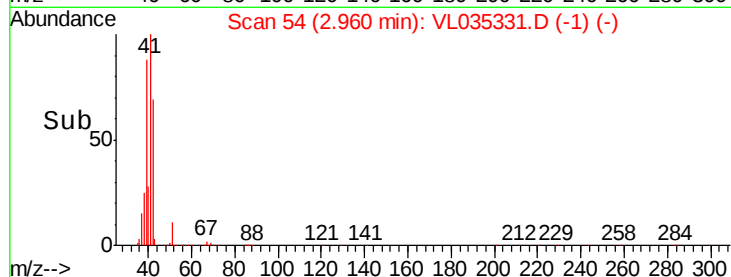
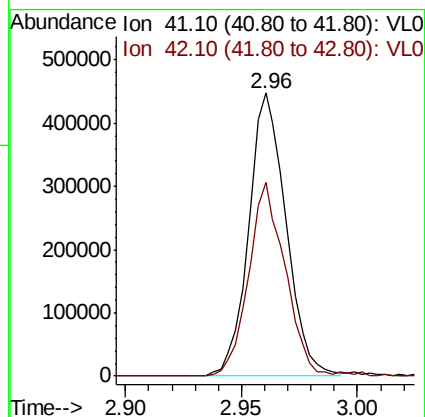
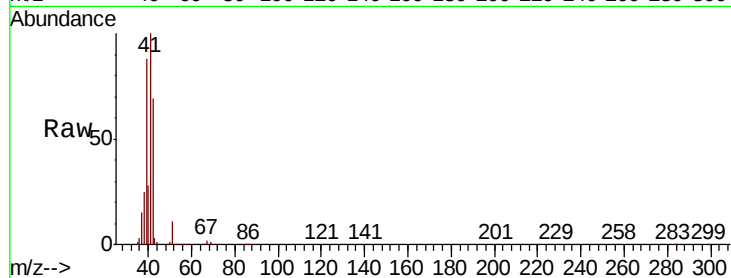
VSTDCCC010EC

Tot Ion: 41 Resp: 502396

Ion Ratio Lower Upper

41 100

42 68.0 56.8 85.2



#10

Heptane

Concen: 9.753 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VL035331.D

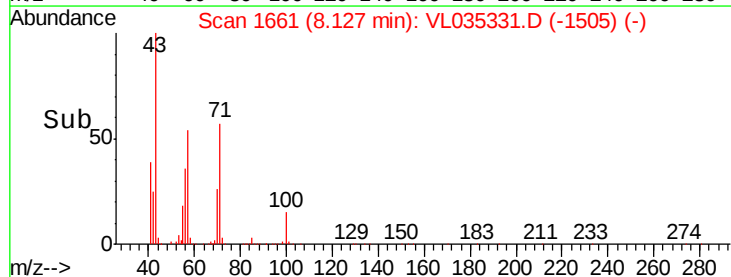
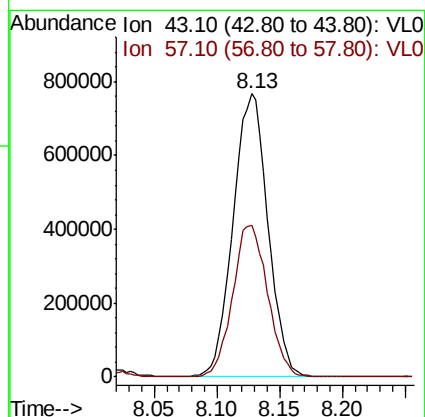
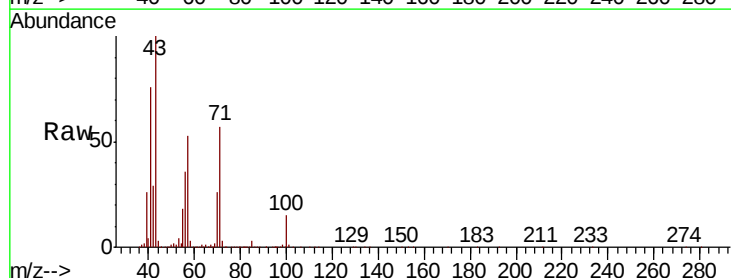
Acq: 4 Aug 2020 2:44

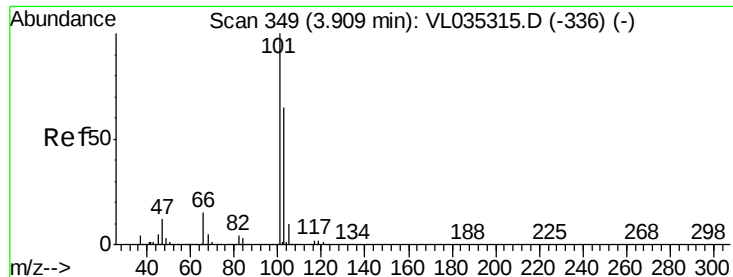
Tgt Ion: 43 Resp: 1482906

Ion Ratio Lower Upper

43 100

57 53.7 42.4 63.6

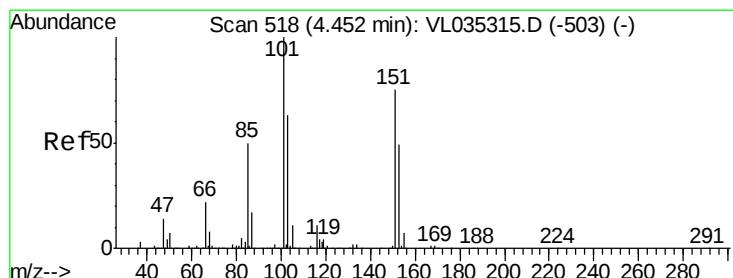
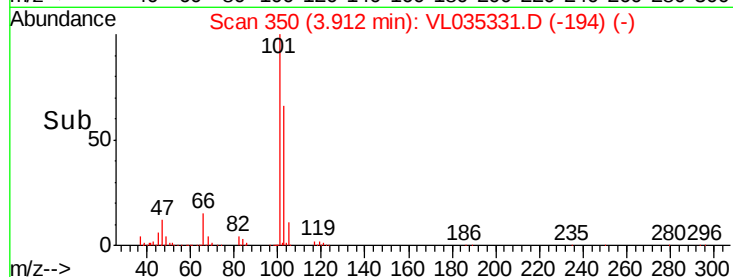
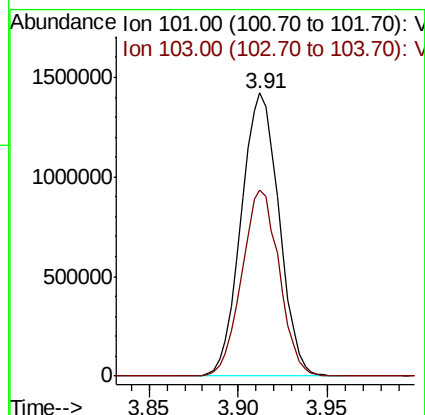
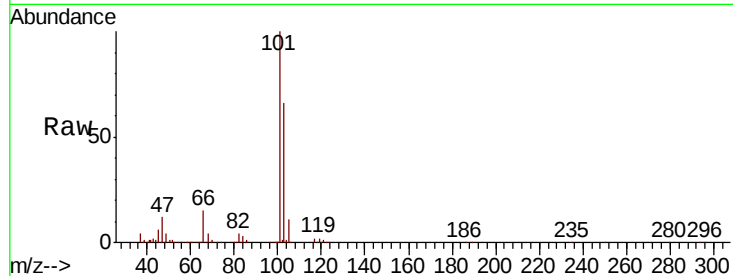




#11
 Trichlorofluoromethane
 Concen: 8.615 ppbv
 RT: 3.91 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

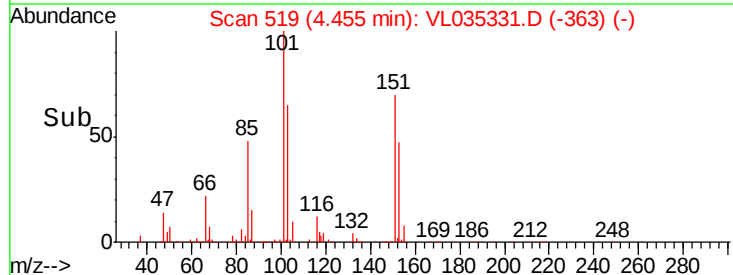
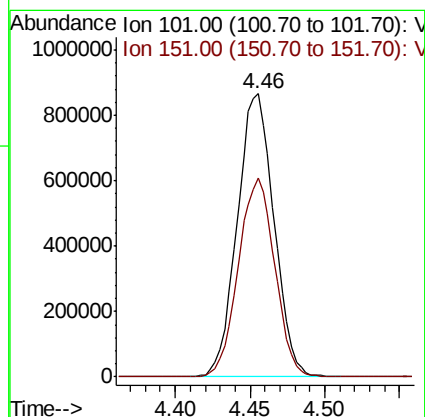
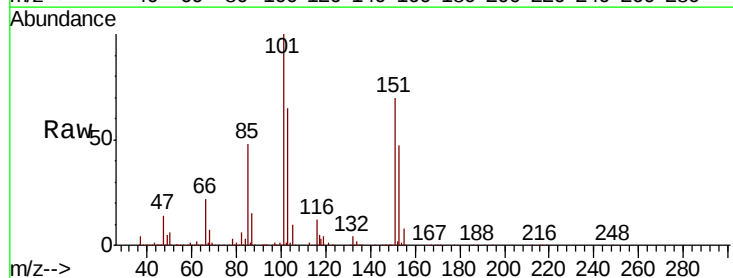
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

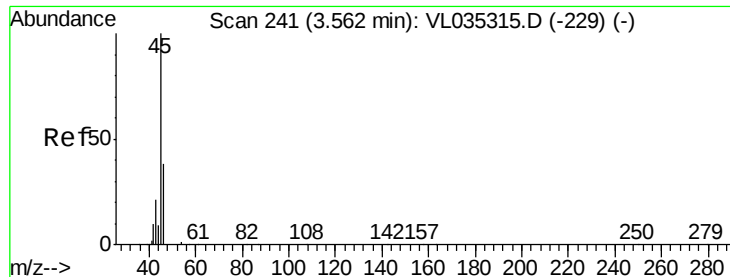
Tot Ion:101 Resp: 2100112
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.719 ppbv
 RT: 4.46 min Scan# 519
 Delta R.T. 0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Tgt Ion:101 Resp: 1481515
 Ion Ratio Lower Upper
 101 100
 151 69.7 58.9 88.3





#13

Ethanol

Concen: 5.744 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

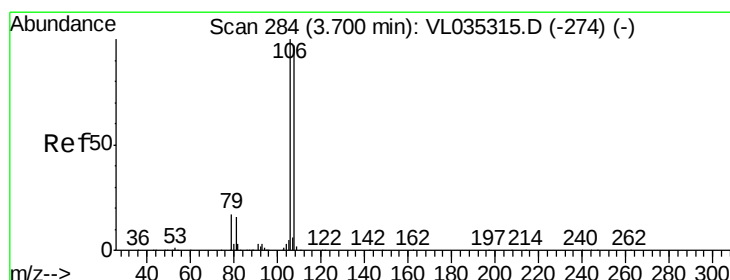
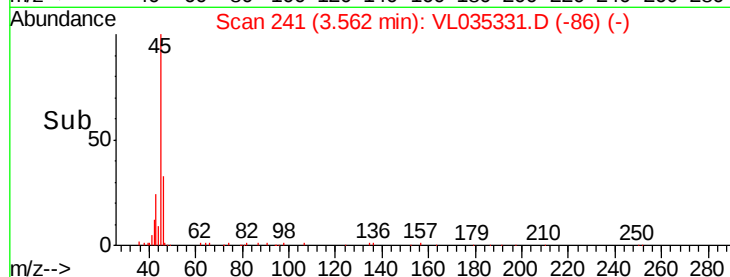
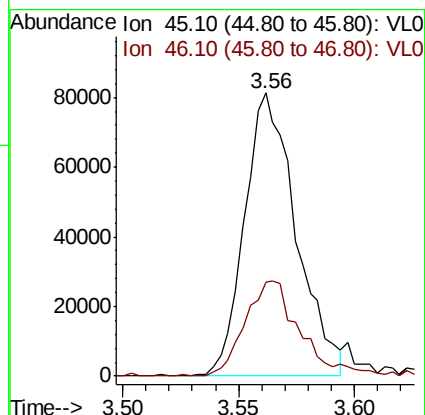
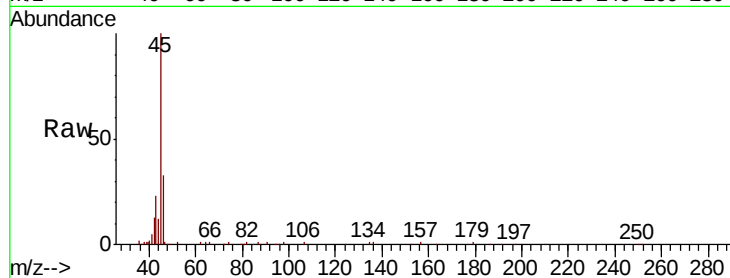
VSTDCCC010EC

Tot Ion: 45 Resp: 125693

Ion Ratio Lower Upper

45 100

46 36.6 14.5 57.9



#14

Bromoethene

Concen: 8.815 ppbv

RT: 3.70 min Scan# 284

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

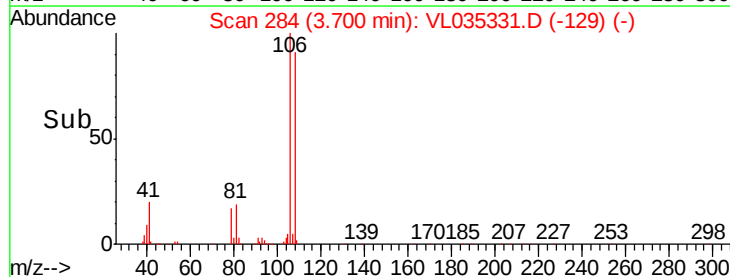
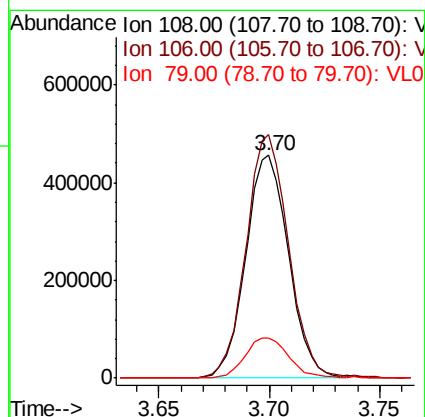
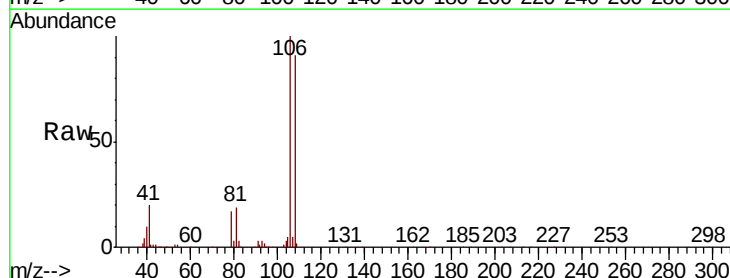
Tgt Ion: 108 Resp: 616837

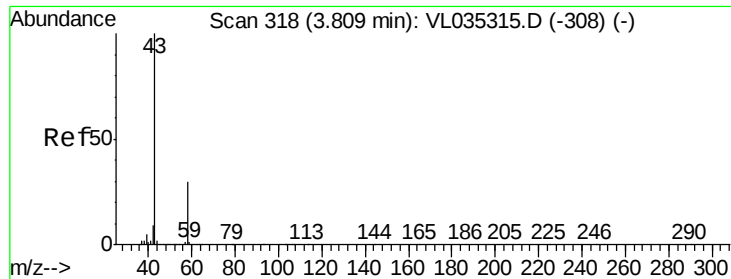
Ion Ratio Lower Upper

108 100

106 108.7 86.2 129.2

79 19.0 14.0 21.0

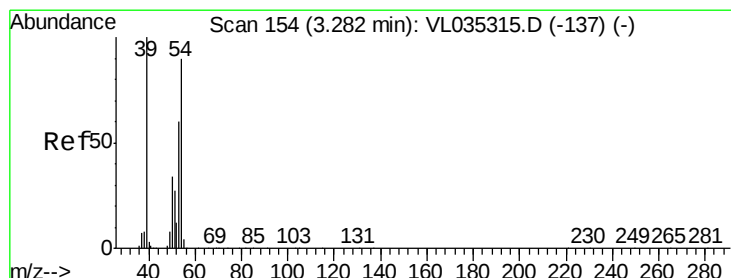
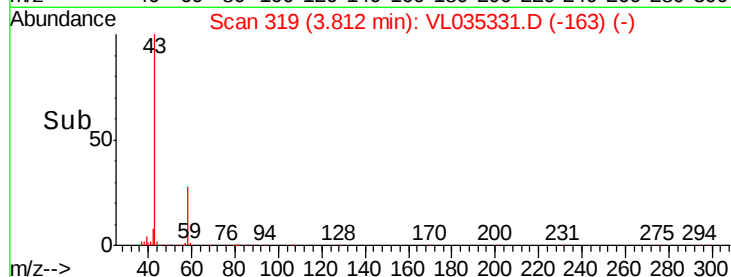
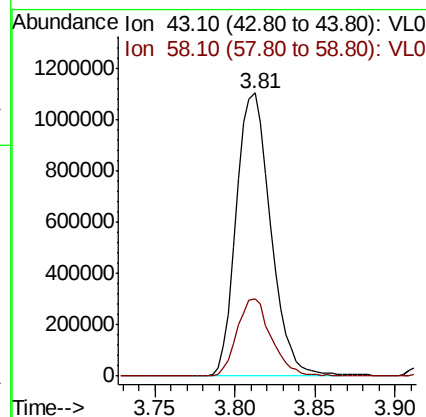
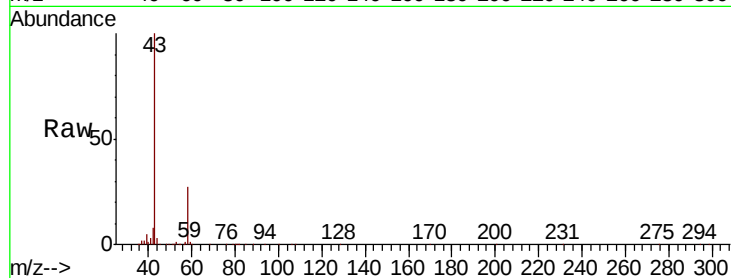




#15
Acetone
Concen: 7.849 ppbv
RT: 3.81 min Scan# 319
Delta R.T. 0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

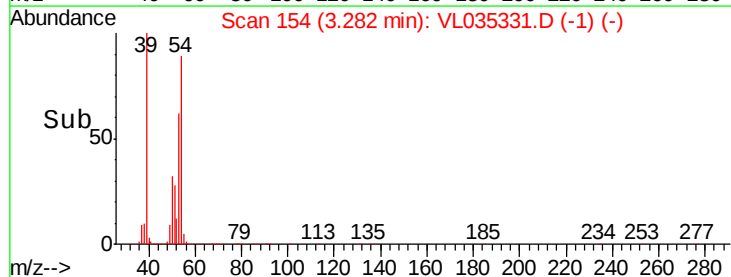
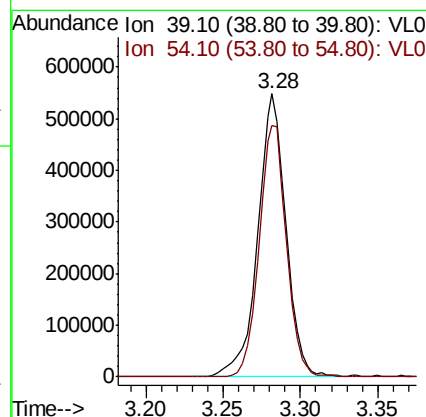
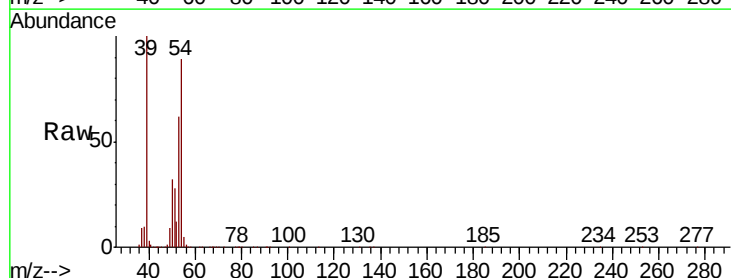
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

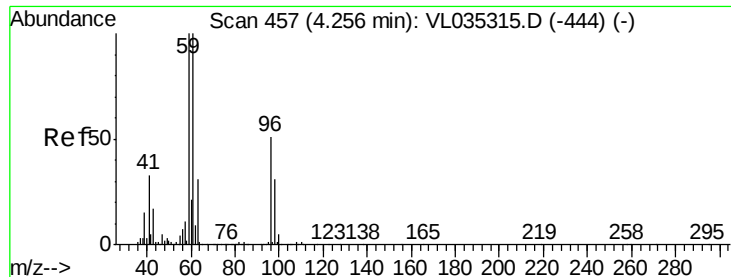
Tot Ion: 43 Resp: 1619091
Ion Ratio Lower Upper
43 100
58 27.3 22.1 33.1



#16
1,3-Butadiene
Concen: 9.098 ppbv
RT: 3.28 min Scan# 154
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Tgt Ion: 39 Resp: 699940
Ion Ratio Lower Upper
39 100
54 86.0 68.0 102.0





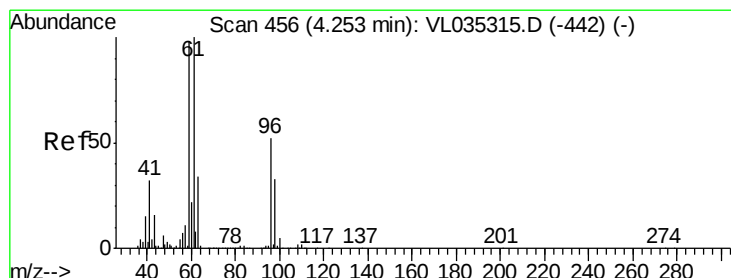
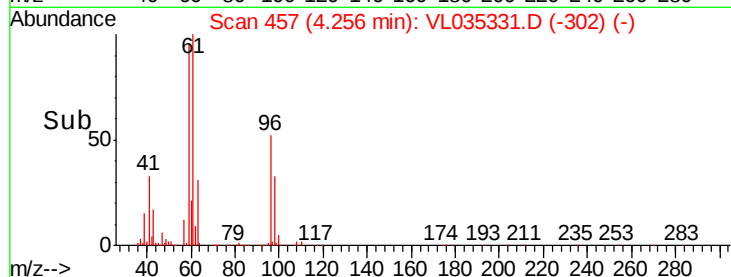
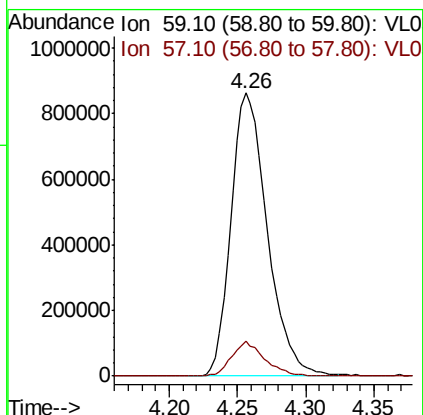
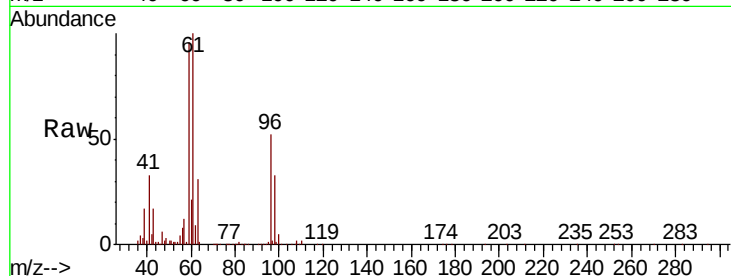
#17

tert-Butyl alcohol
 Concen: 8.477 ppbv
 RT: 4.26 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 59 Resp: 1592744

Ion	Ratio	Lower	Upper
59	100		
57	11.2	8.6	13.0

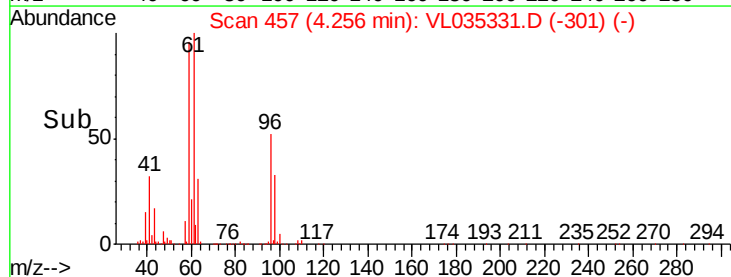
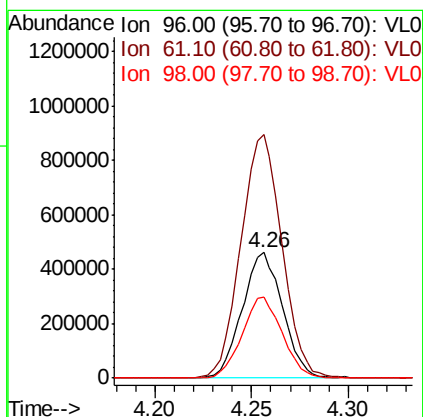
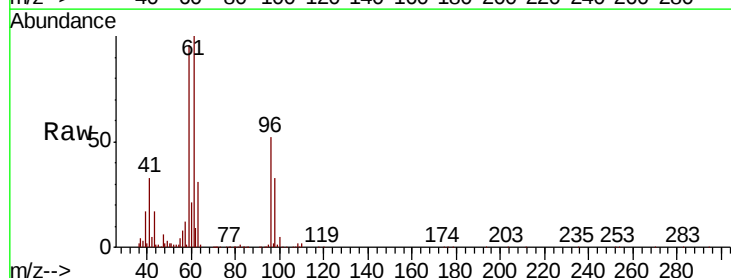


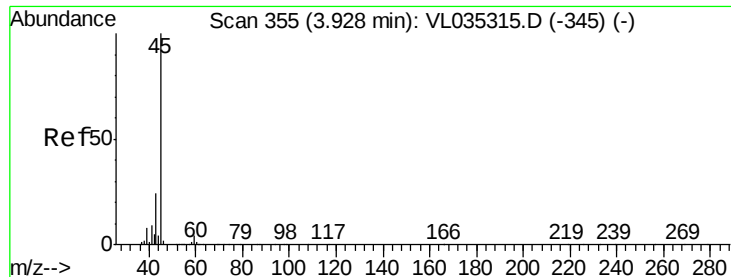
#18

1,1-Dichloroethene
 Concen: 8.790 ppbv
 RT: 4.26 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Tgt Ion: 96 Resp: 672403

Ion	Ratio	Lower	Upper
96	100		
61	194.0	154.9	232.3
98	64.5	51.0	76.4





#19

Isopropyl Alcohol

Concen: 7.694 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

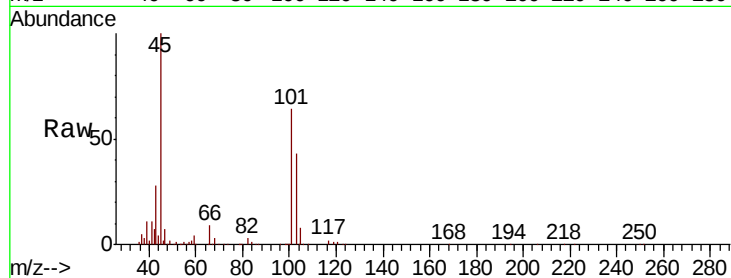
VSTDCCC010EC

Tot Ion: 45 Resp: 996981

Ion Ratio Lower Upper

45 100

58 2.9 1.5 2.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

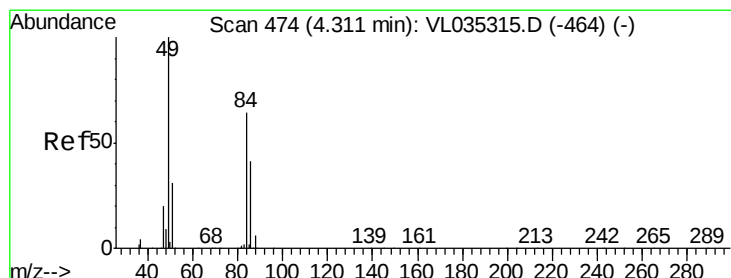
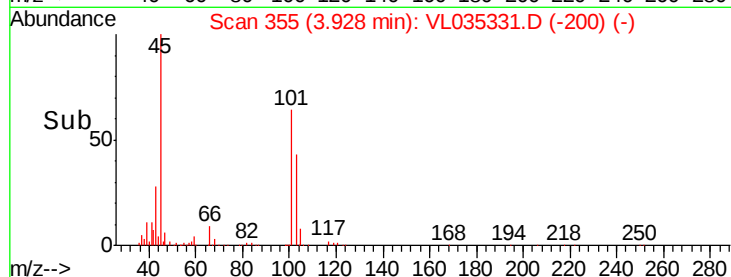
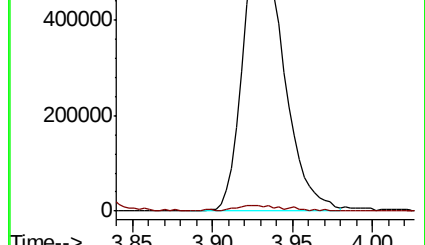
3.93

600000

400000

200000

0



#20

Methylene Chloride

Concen: 6.345 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Tgt Ion: 84 Resp: 597882

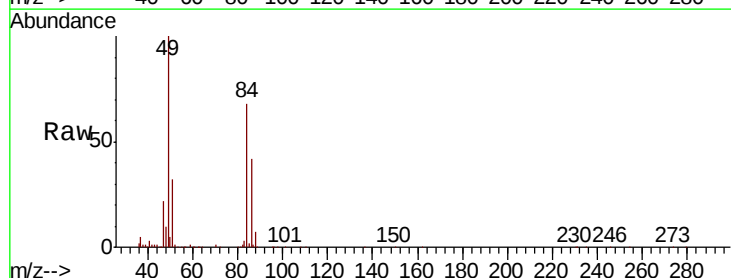
Ion Ratio Lower Upper

84 100

49 147.1 124.2 186.2

51 46.4 38.6 58.0

86 61.9 51.0 76.4



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

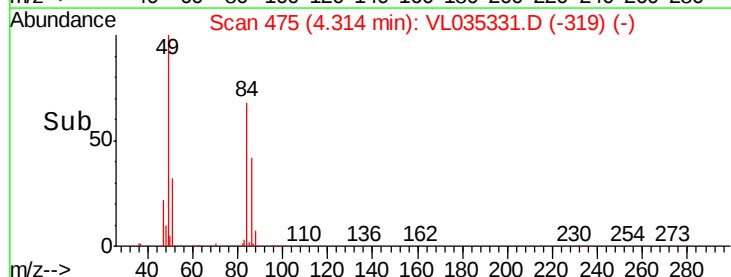
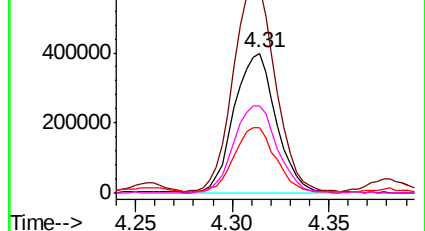
800000

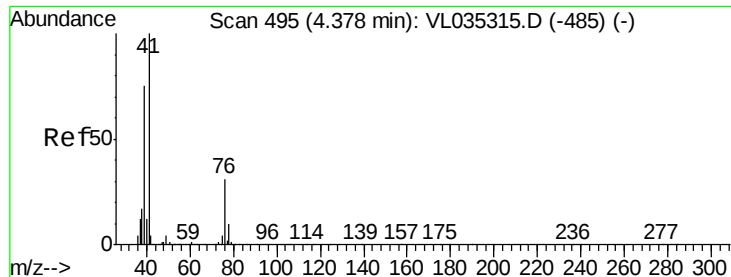
600000

400000

200000

0

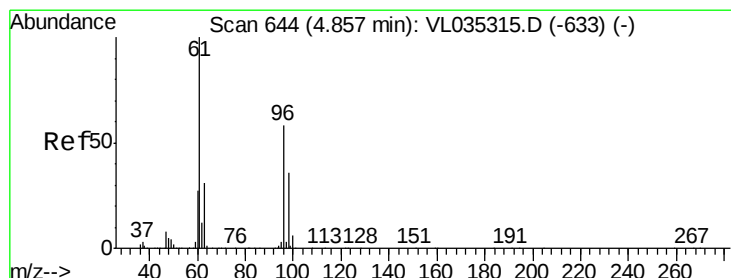
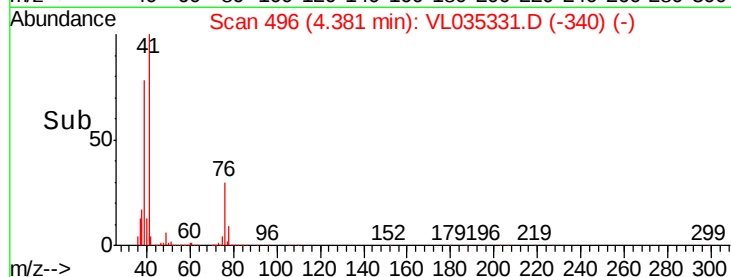
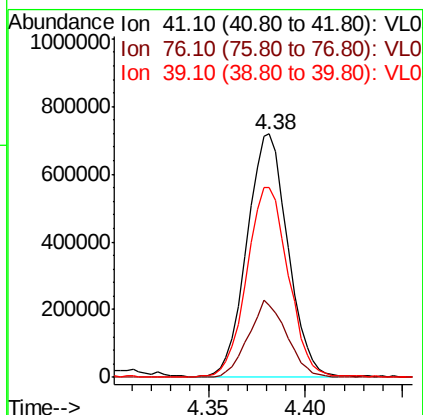
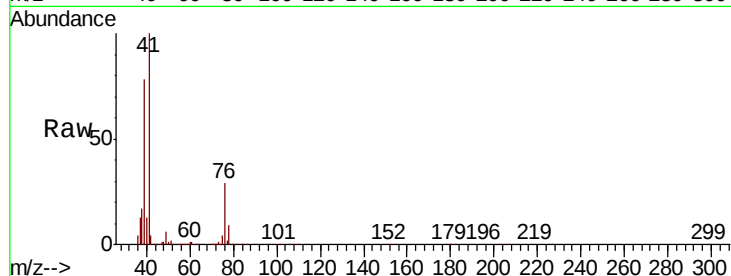




#21
Allvl Chloride
Concen: 9.004 ppbv
RT: 4.38 min Scan# 496
Delta R.T. 0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

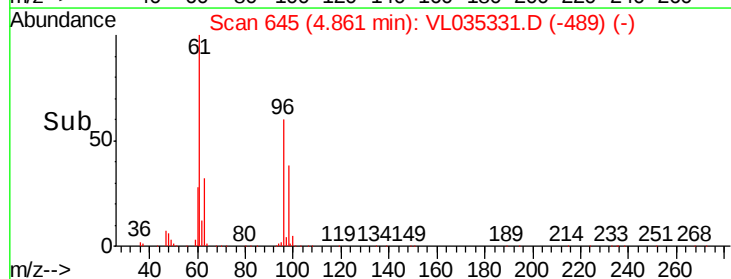
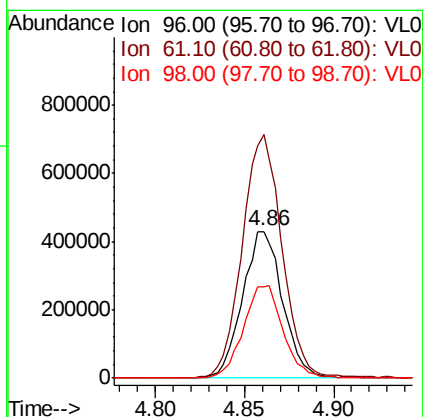
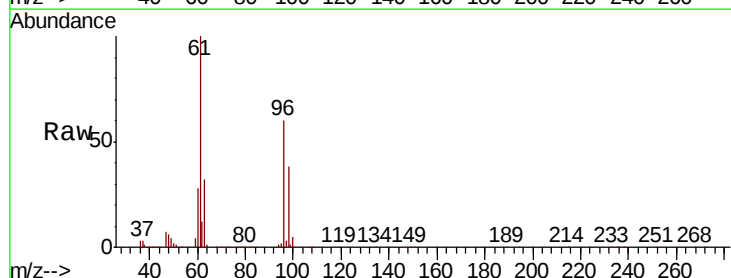
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

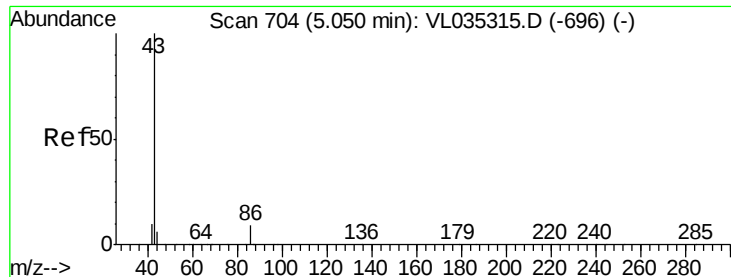
Tot Ion: 41 Resp: 1051930
Ion Ratio Lower Upper
41 100
76 29.9 24.4 36.6
39 79.7 61.8 92.6



#22
trans-1,2-Dichloroethene
Concen: 8.865 ppbv
RT: 4.86 min Scan# 645
Delta R.T. 0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Tgt Ion: 96 Resp: 672772
Ion Ratio Lower Upper
96 100
61 165.7 136.8 205.2
98 62.1 49.2 73.8





#23

Vinyl Acetate

Concen: 8.985 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1836666

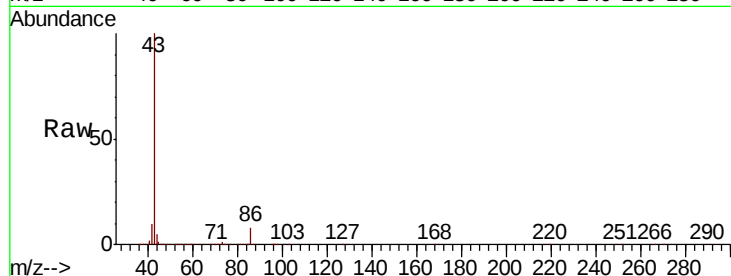
Ion Ratio Lower Upper

43 100

86 8.1 6.5 9.7

42 10.4 8.2 12.4

44 5.1 5.0 7.6

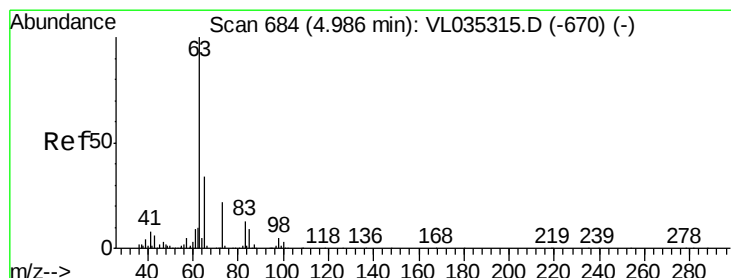
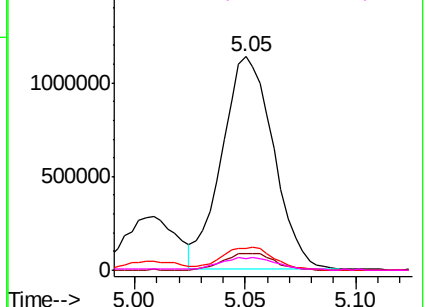
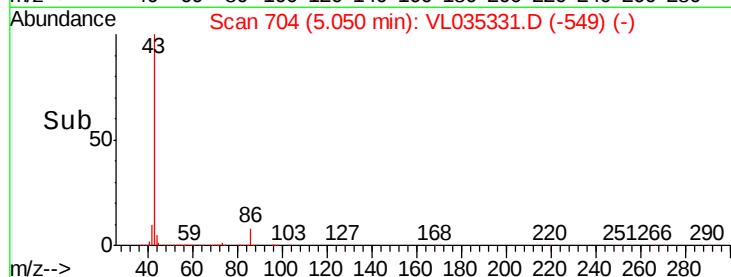


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.351 ppbv

RT: 4.99 min Scan# 685

Delta R.T. 0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

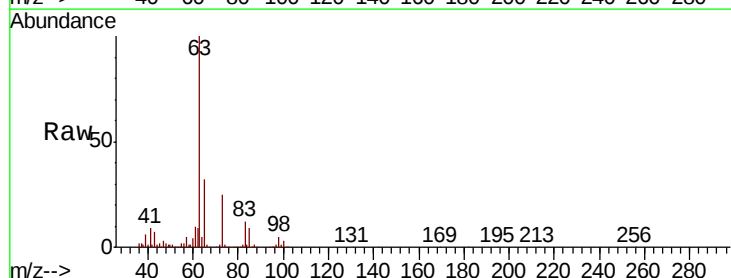
Tgt Ion: 63 Resp: 1588409

Ion Ratio Lower Upper

63 100

98 4.8 2.5 7.5

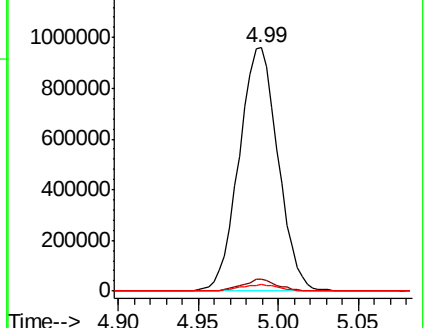
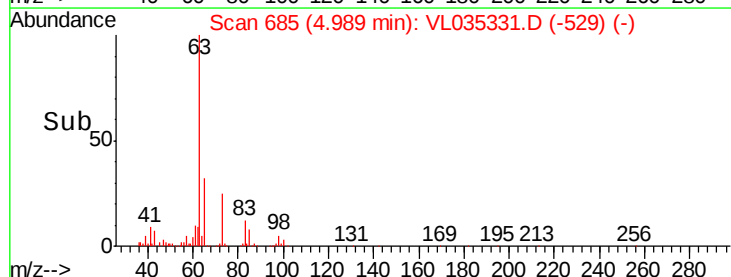
100 2.8 1.5 4.4

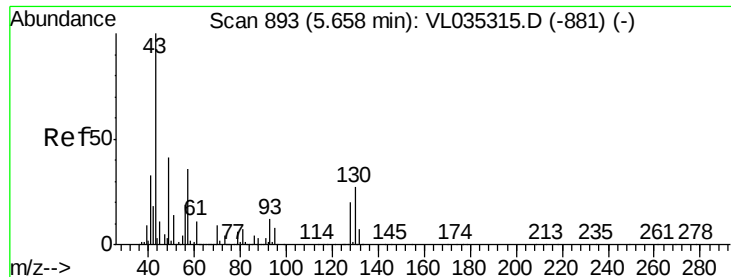


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



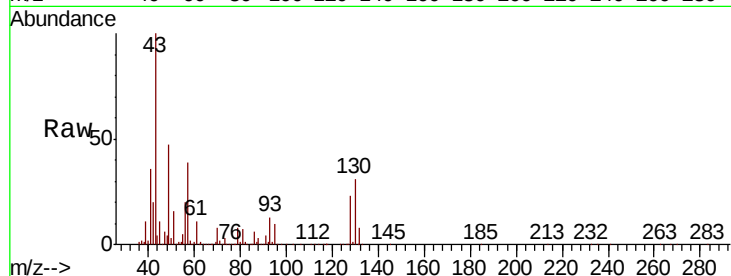


#25
Ethyl Acetate
Concen: 8.669 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2703133

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.6	12.8
61	10.4	8.1	12.1
70	8.0	6.5	9.7



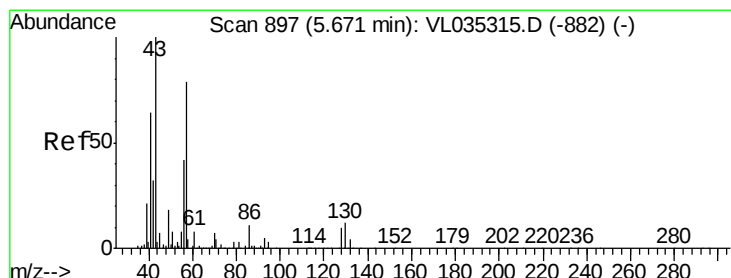
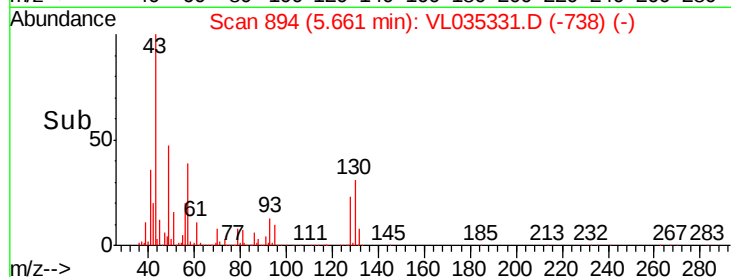
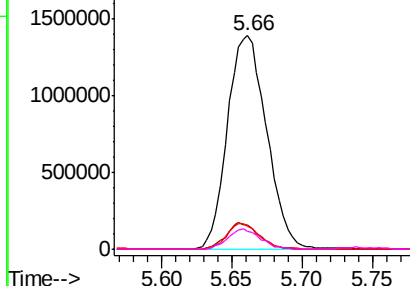
Abundance

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: 8.753 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Tgt Ion: 57 Resp: 1221950

Ion	Ratio	Lower	Upper
57	100		
41	91.2	72.1	108.1
43	222.5	179.0	268.6
56	53.1	42.7	64.1

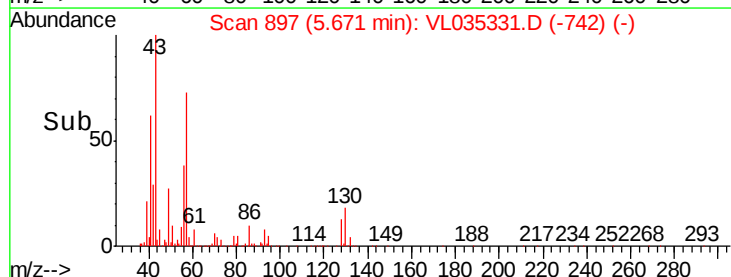
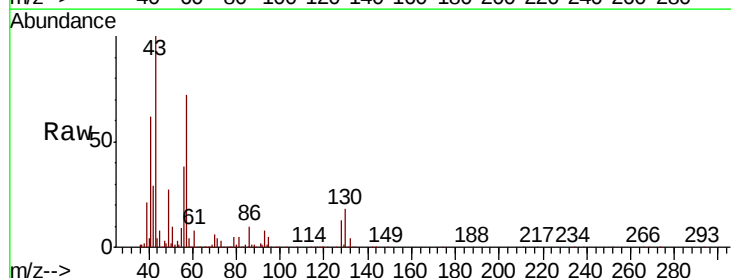
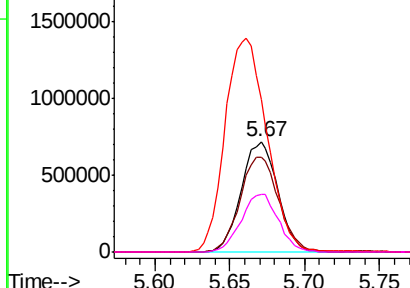
Abundance

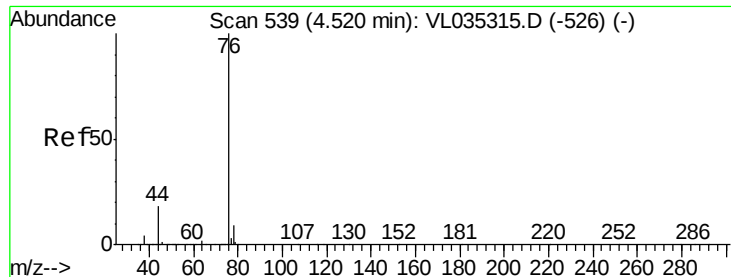
Ion 57.10 (56.80 to 57.80): VL0

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: 9.614 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

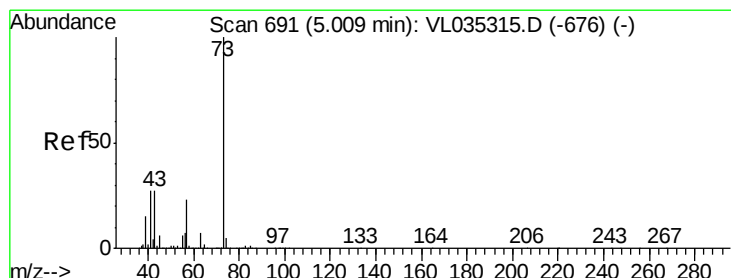
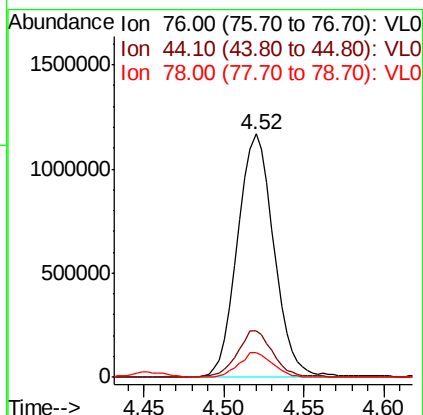
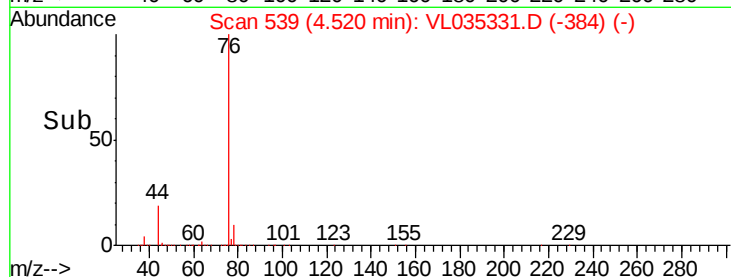
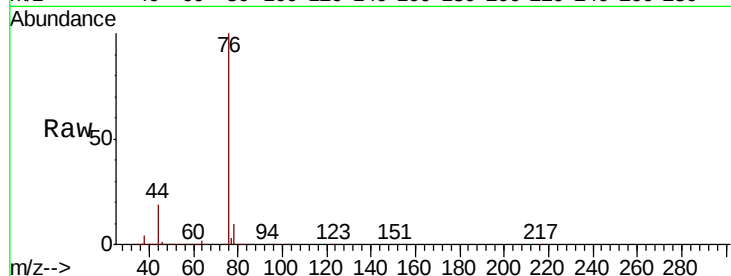
Tot Ion: 76 Resp: 1805946

Ion Ratio Lower Upper

76 100

44 18.5 14.8 22.2

78 9.6 7.8 11.8



#28

Methyl tert-Butyl Ether

Concen: 8.875 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.00 min

Lab File: VL035331.D

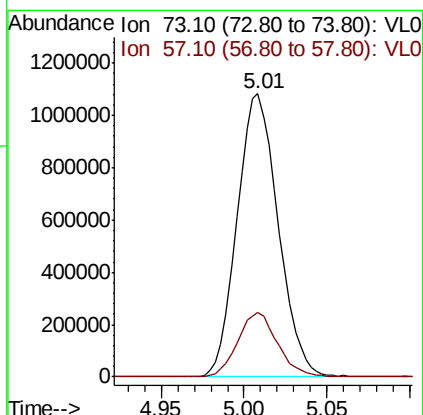
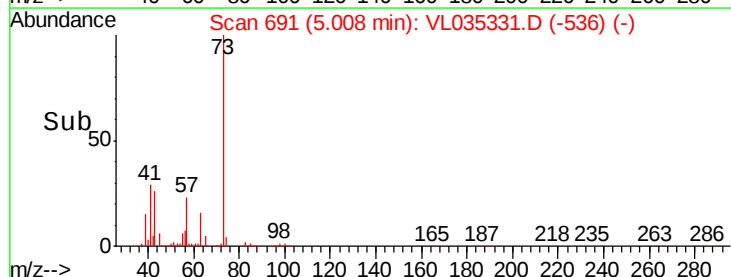
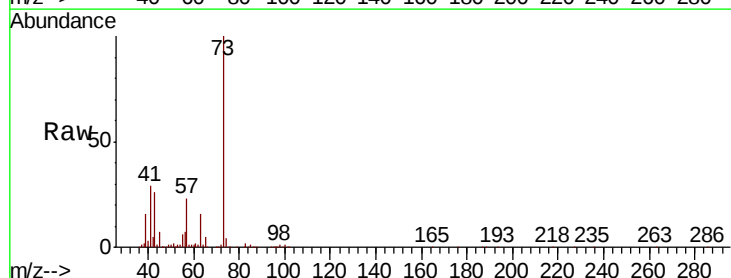
Acq: 4 Aug 2020 2:44

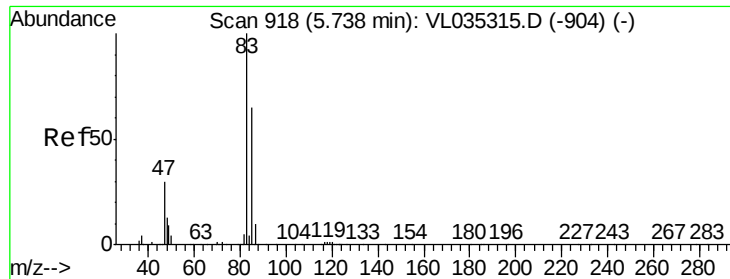
Tgt Ion: 73 Resp: 1861978

Ion Ratio Lower Upper

73 100

57 22.3 18.2 27.2





#29

Chloroform

Concen: 8.653 ppbv

RT: 5.74 min Scan# 918

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

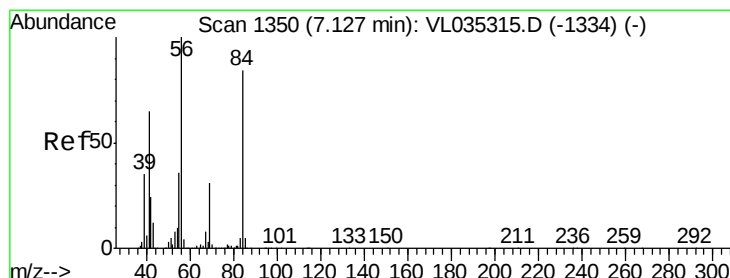
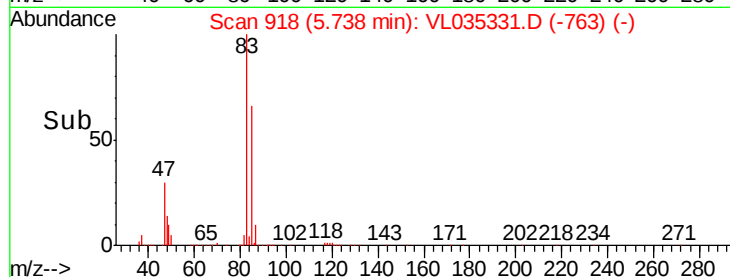
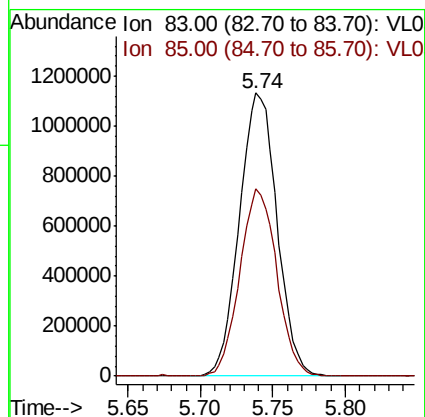
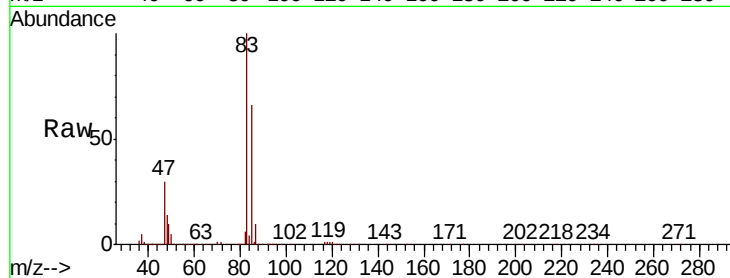
VSTDCCC010EC

Tot Ion: 83 Resp: 2043436

Ion Ratio Lower Upper

83 100

85 66.0 51.9 77.9



#30

Cyclohexane

Concen: 9.400 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

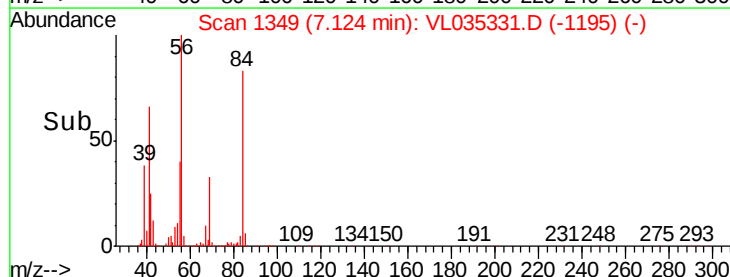
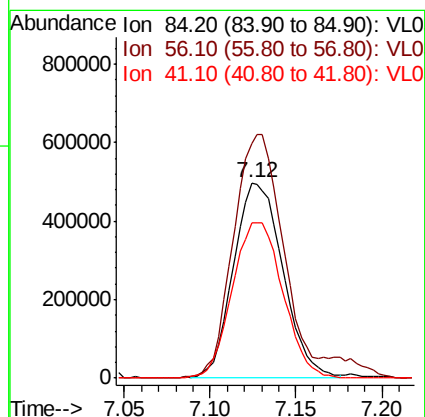
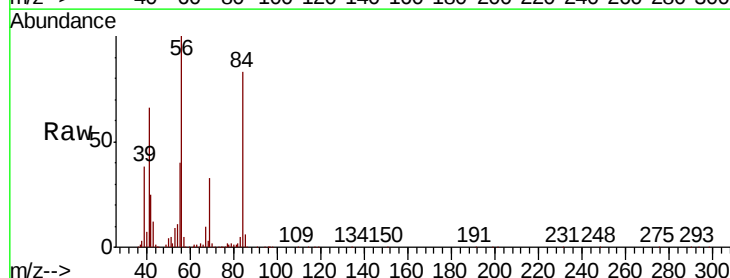
Tgt Ion: 84 Resp: 984424

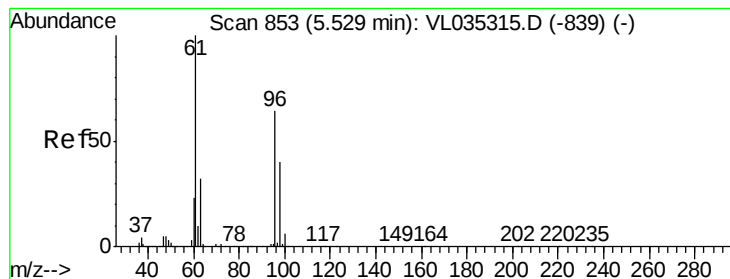
Ion Ratio Lower Upper

84 100

56 134.4 103.0 154.6

41 82.5 62.7 94.1





#31

cis-1,2-Dichloroethene

Concen: 9.248 ppbv

RT: 5.53 min Scan# 854

Delta R.T. 0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

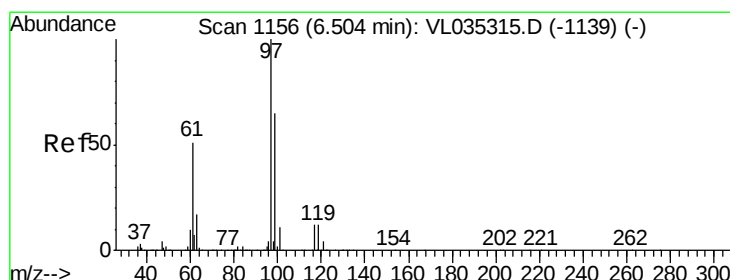
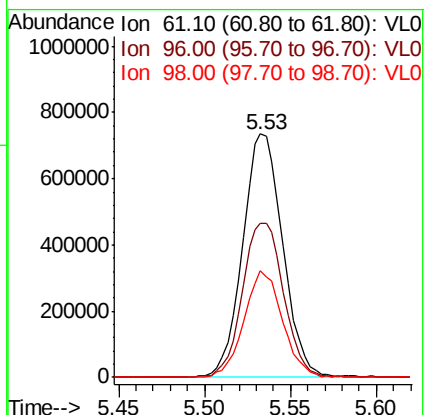
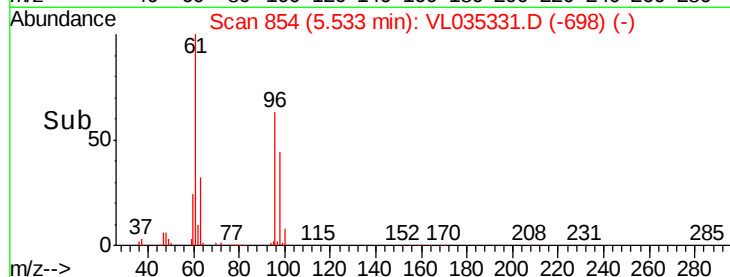
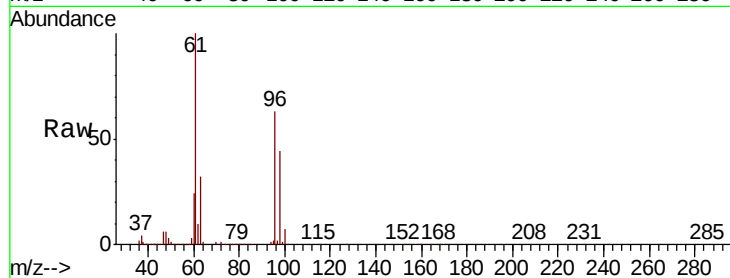
Tot Ion: 61 Resp: 1191034

Ion Ratio Lower Upper

61 100

96 63.1 51.4 77.2

98 43.9 32.2 48.4



#32

1,1,1-Trichloroethane

Concen: 8.809 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. 0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

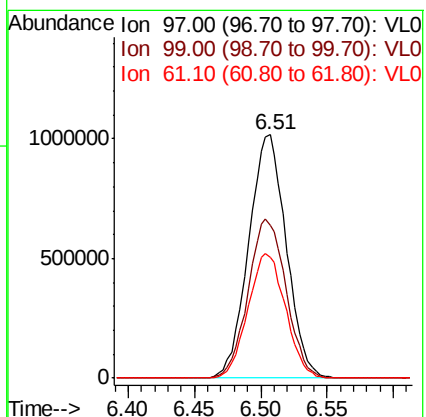
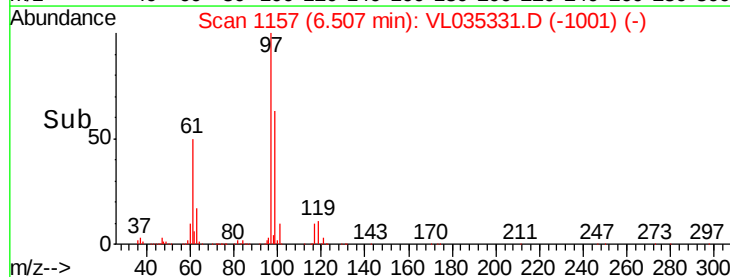
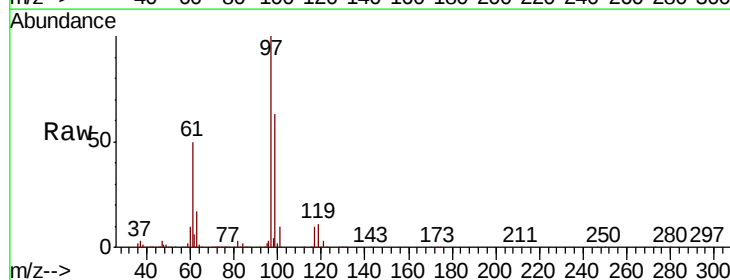
Tgt Ion: 97 Resp: 2011586

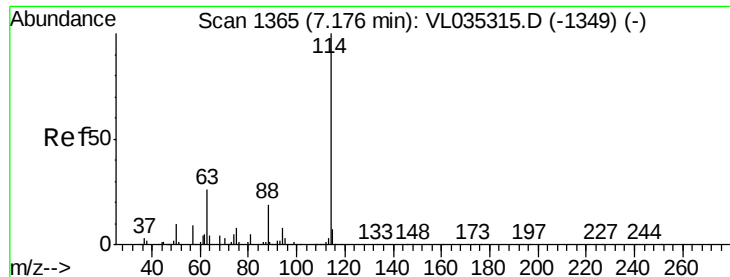
Ion Ratio Lower Upper

97 100

99 66.0 52.2 78.4

61 51.2 40.9 61.3

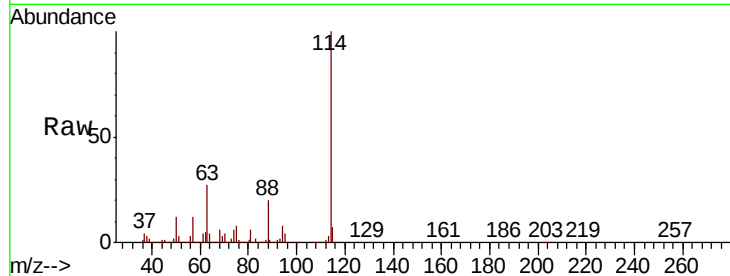




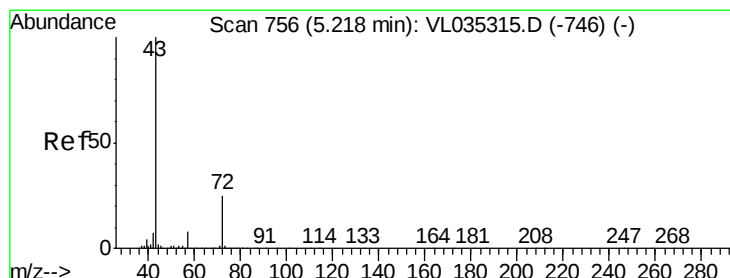
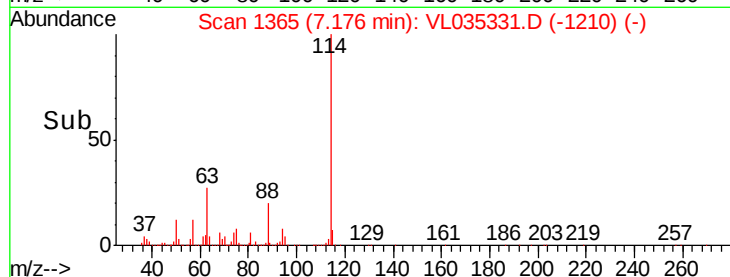
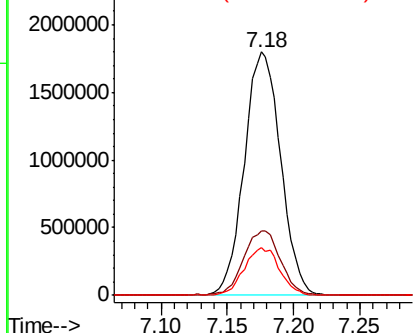
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 3433236
 Ion Ratio Lower Upper
 114 100
 63 27.2 21.5 32.3
 88 19.1 15.3 22.9

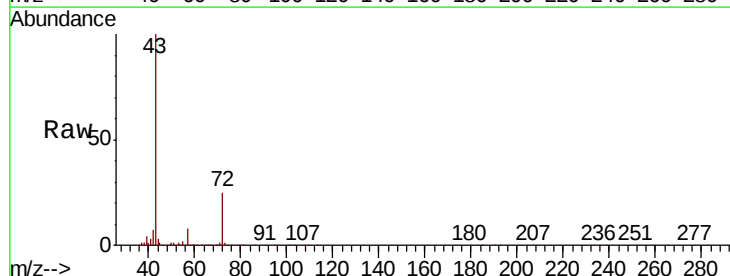


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

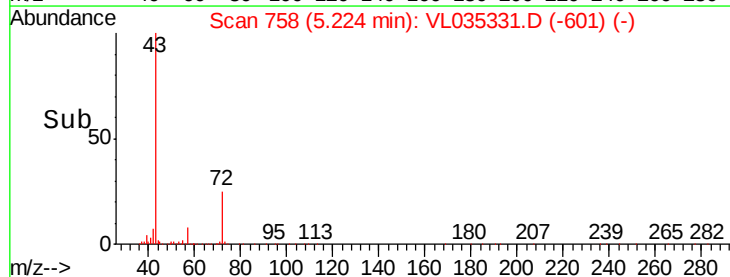
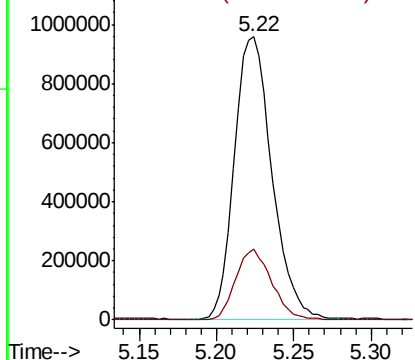


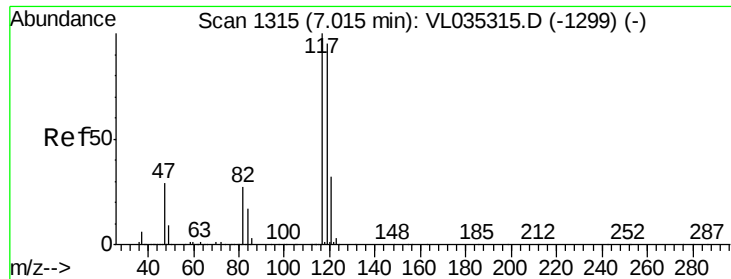
#34
 2-Butanone
 Concen: 8.946 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. 0.01 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Tgt Ion: 43 Resp: 1617010
 Ion Ratio Lower Upper
 43 100
 72 24.0 19.2 28.8



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





#35

Carbon Tetrachloride

Concen: 9.741 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

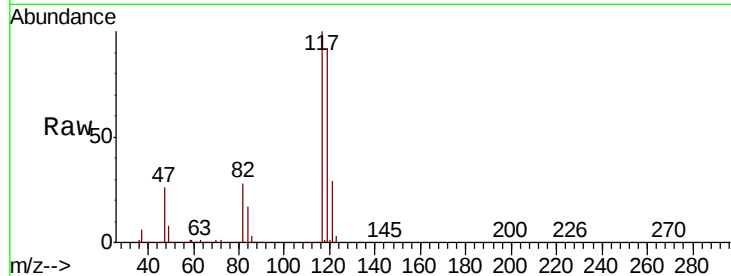
Tot Ion:117 Resp: 2162784

Ion Ratio Lower Upper

117 100

119 91.7 76.1 114.1

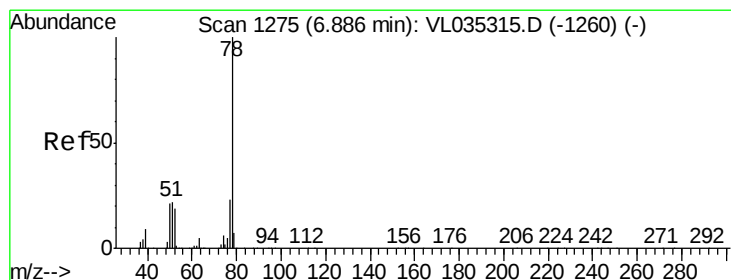
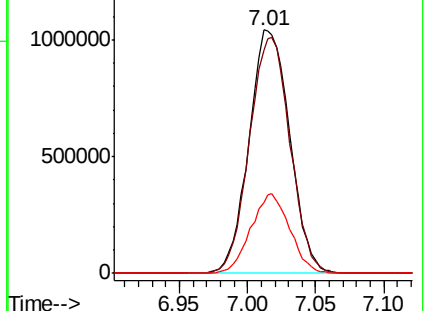
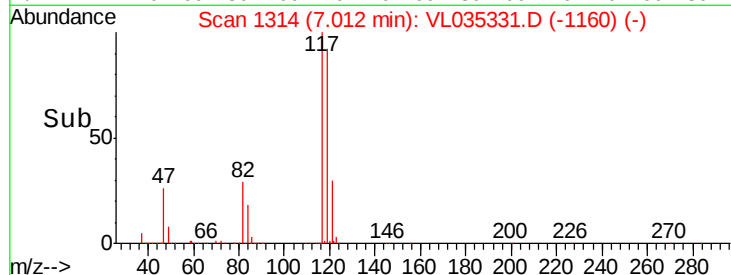
121 29.3 25.6 38.4



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: 9.404 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

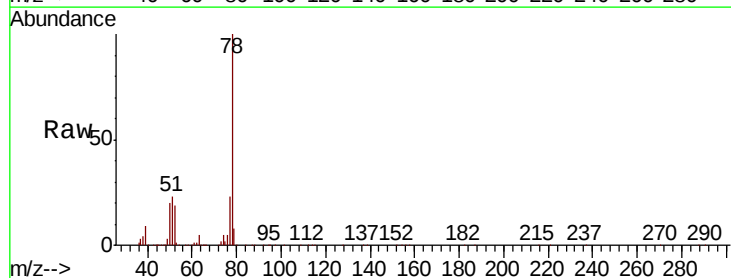
Tgt Ion: 78 Resp: 2366990

Ion Ratio Lower Upper

78 100

77 23.4 18.4 27.6

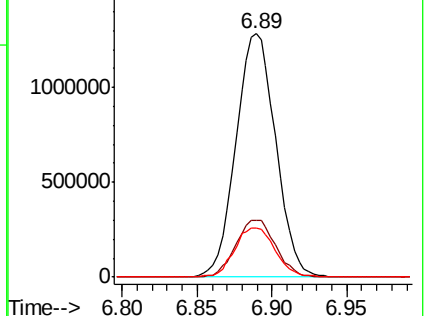
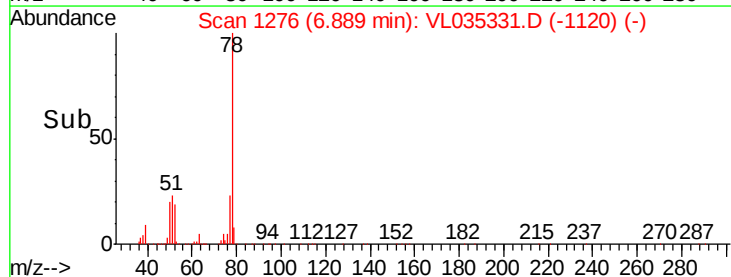
50 20.3 16.6 25.0

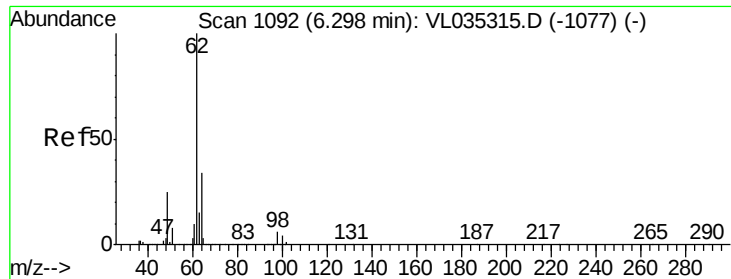


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.226 ppbv

RT: 6.30 min Scan# 1093

Delta R.T. 0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

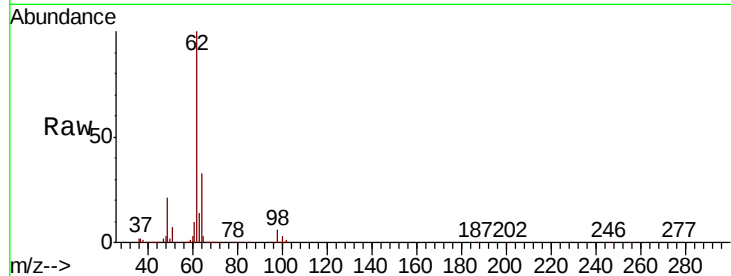
VSTDCCC010EC

Tot Ion: 62 Resp: 1573127

Ion Ratio Lower Upper

62 100

98 5.5 4.6 7.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.30

800000

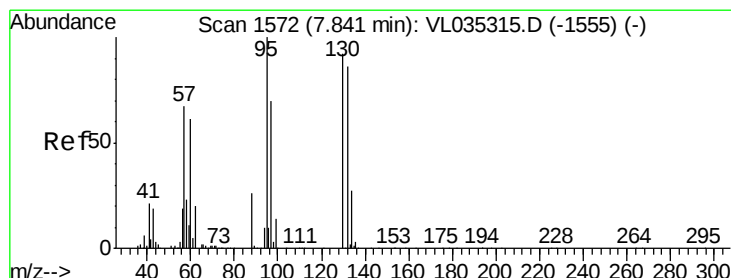
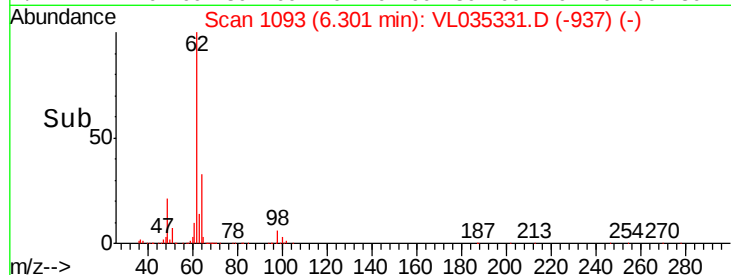
600000

400000

200000

0

Time--> 6.20 6.25 6.30 6.35



#38

Trichloroethene

Concen: 11.139 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Tgt Ion: 130 Resp: 1030312

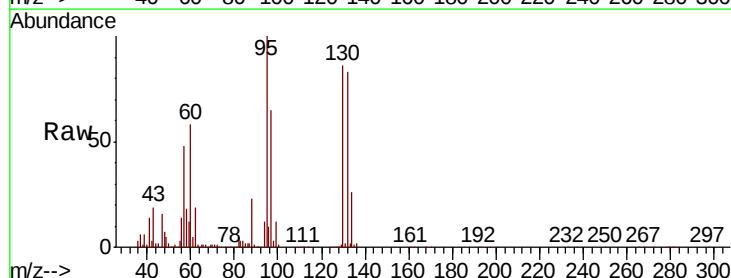
Ion Ratio Lower Upper

130 100

95 116.3 86.3 129.5

132 96.6 74.2 111.2

97 75.6 60.2 90.4



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

800000

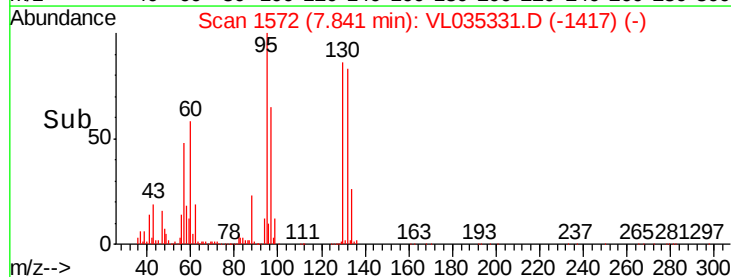
600000

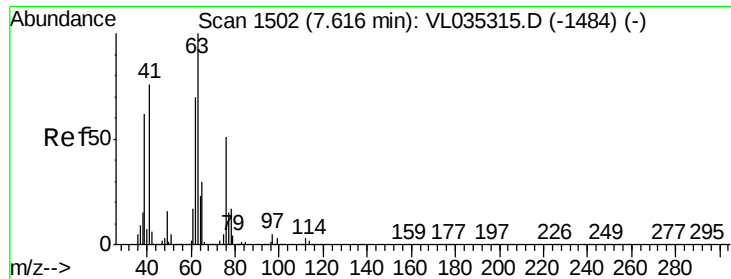
400000

200000

0

Time--> 7.75 7.80 7.85 7.90

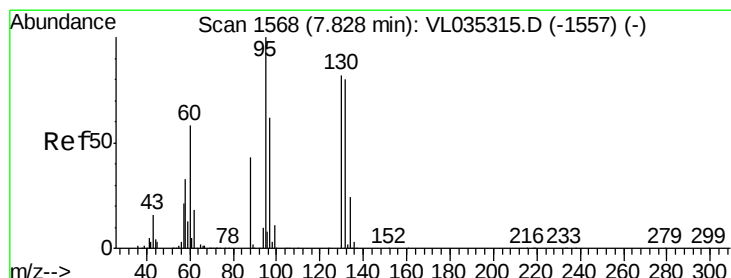
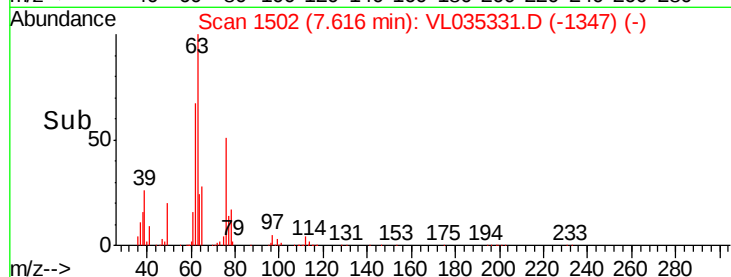
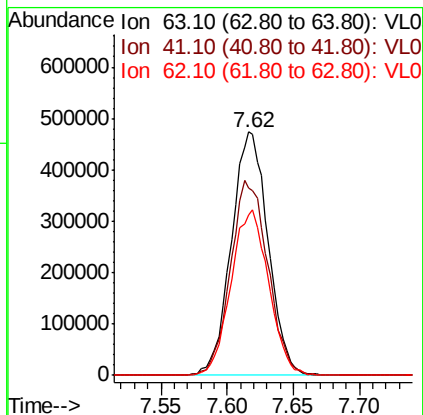
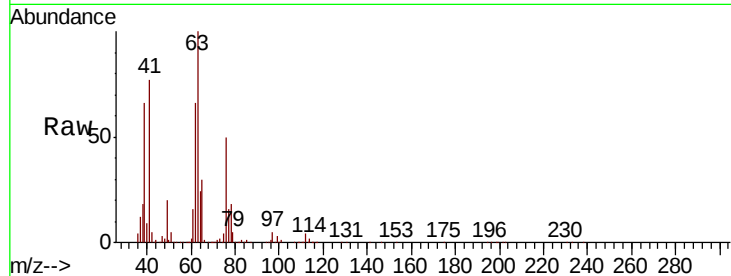




#39
 1,2-Dichloropropane
 Concen: 9.194 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. -0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

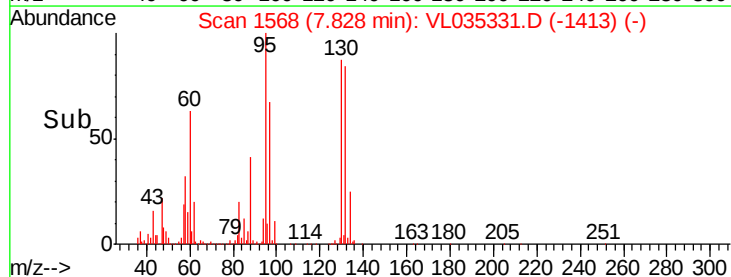
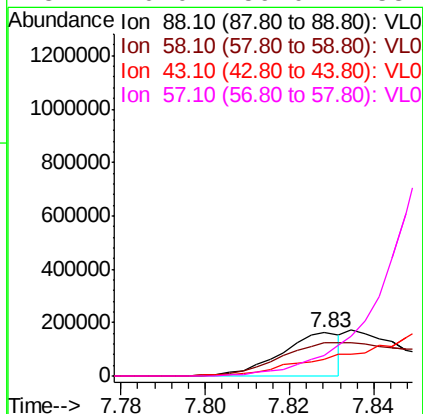
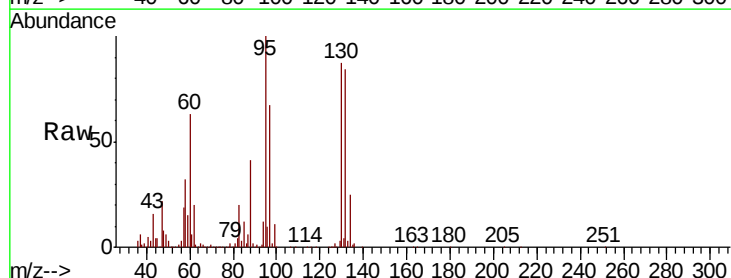
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

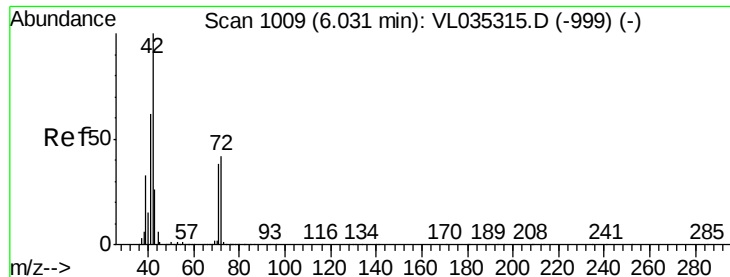
Tot Ion	Ratio	Lower	Upper
63	100		
41	76.8	61.0	91.4
62	65.7	55.8	83.8



#40
 1,4-Dioxane
 Concen: 3.656 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Tgt Ion	Ratio	Lower	Upper
88	100		
58	299.4	95.4	143.2#
43	0.0	172.7	259.1#
57	0.0	759.0	1138.4#





#41

Tetrahydrofuran

Concen: 9.586 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

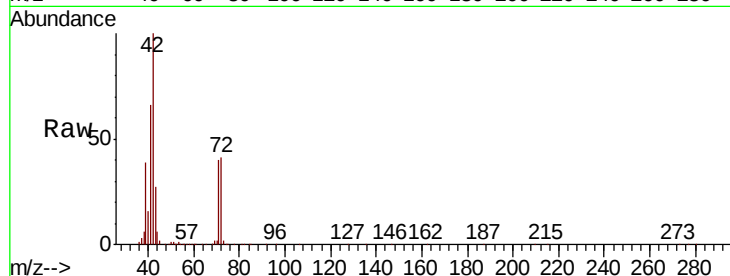
Tot Ion: 42 Resp: 854752

Ion Ratio Lower Upper

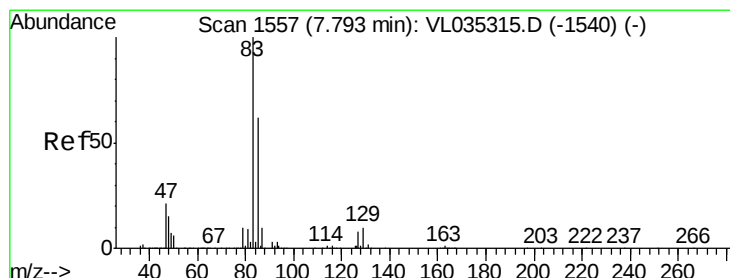
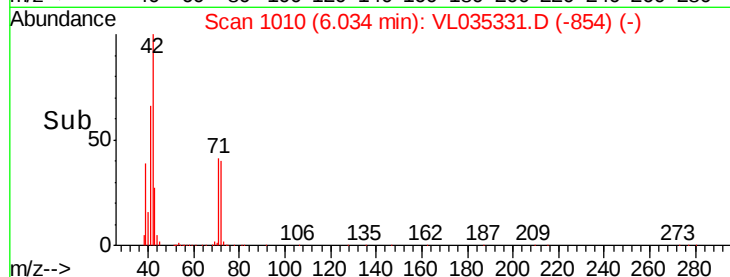
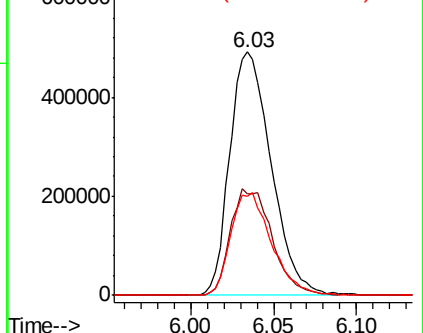
42 100

72 43.9 33.8 50.8

71 41.5 32.7 49.1



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: 9.479 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. 0.01 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

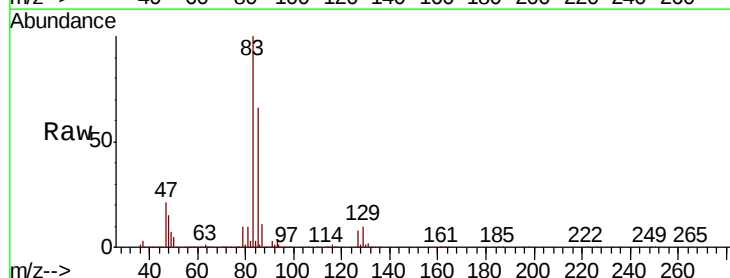
Tgt Ion: 83 Resp: 2205207

Ion Ratio Lower Upper

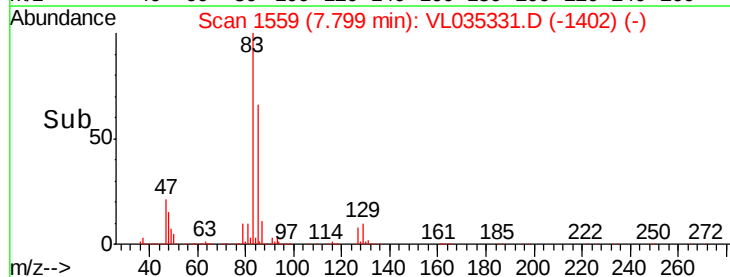
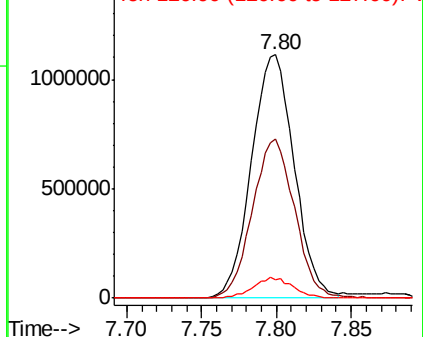
83 100

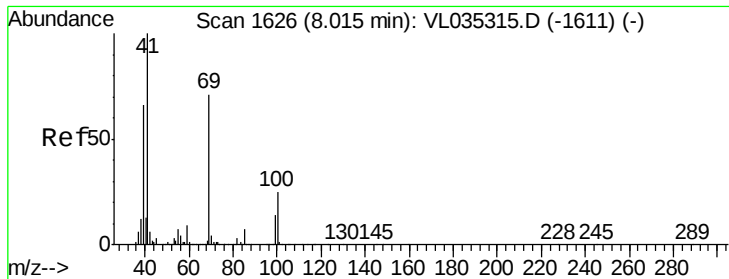
85 65.6 49.9 74.9

127 7.6 6.6 10.0



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

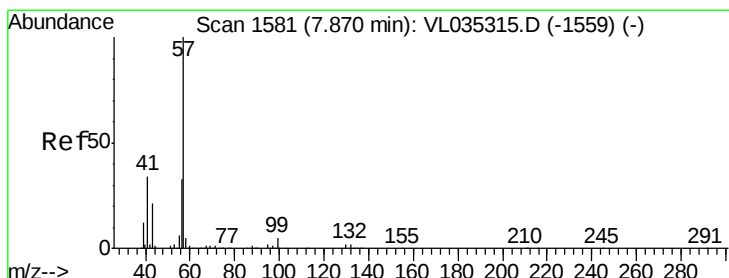
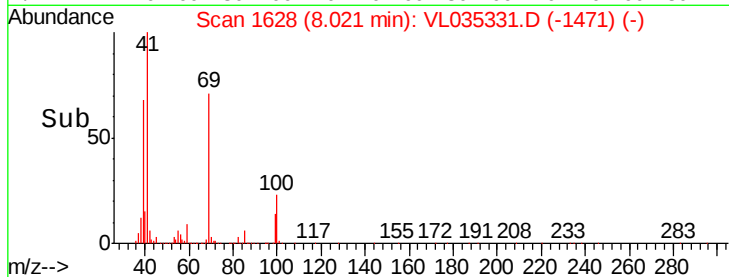
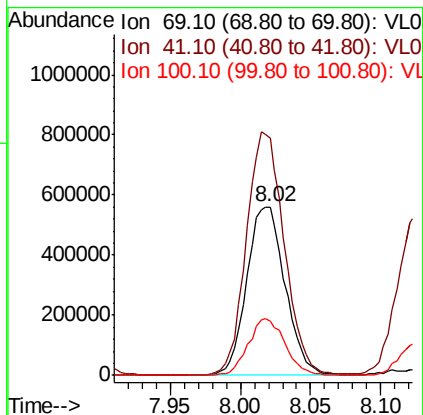
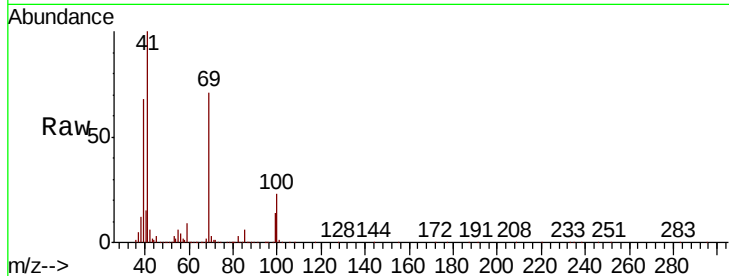




#43
Methvl Methacrylate
Concen: 10.158 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.01 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

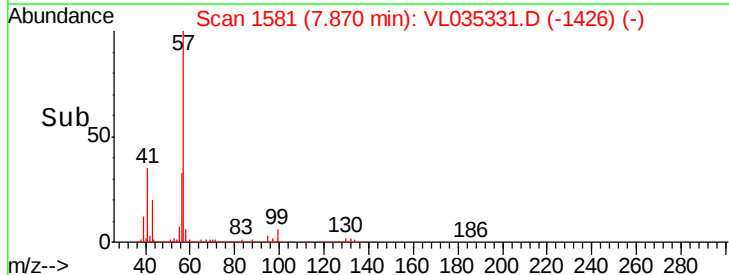
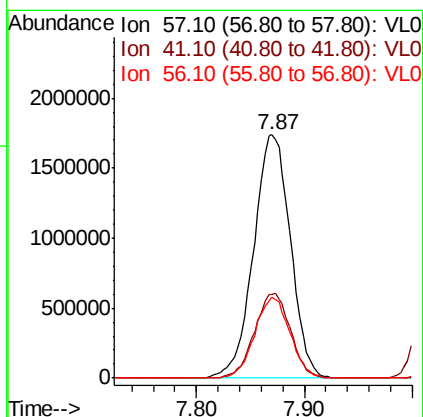
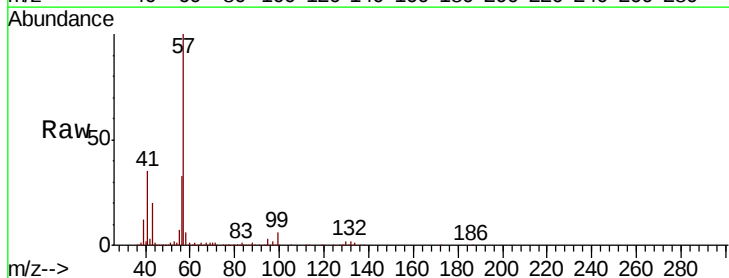
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

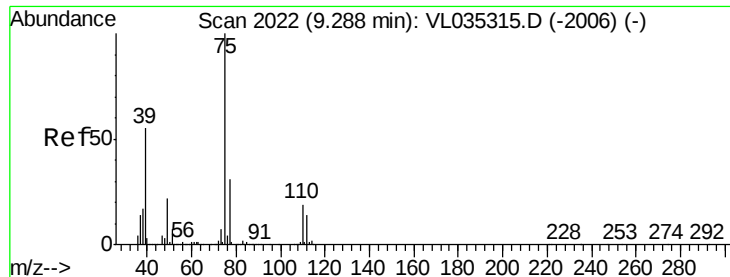
Tot Ion: 69 Resp: 1068286
Ion Ratio Lower Upper
69 100
41 142.3 110.9 166.3
100 32.1 26.0 39.0



#44
2,2,4-Trimethylpentane
Concen: 9.547 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Tgt Ion: 57 Resp: 4116641
Ion Ratio Lower Upper
57 100
41 34.1 26.7 40.1
56 31.9 25.4 38.0





#45

t-1,3-Dichloropropene

Concen: 11.077 ppbv

RT: 9.29 min Scan# 2024

Delta R.T. 0.01 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

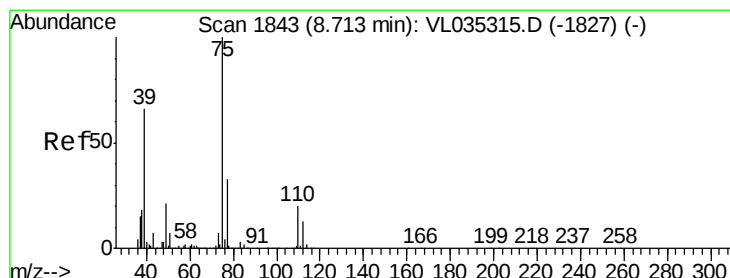
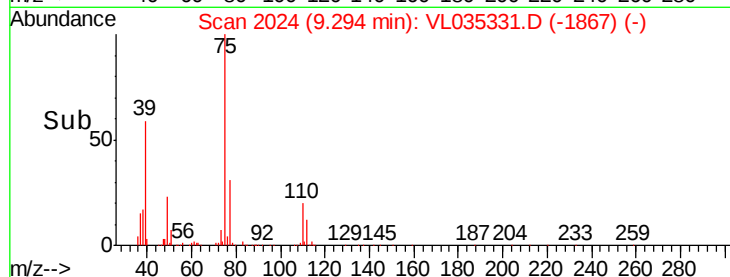
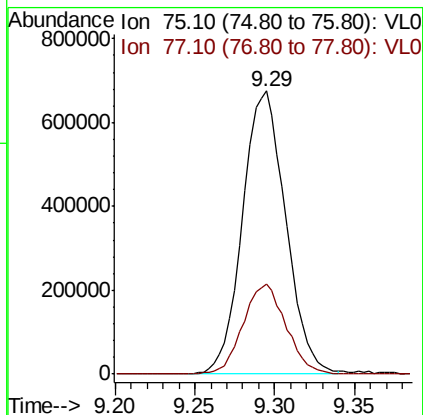
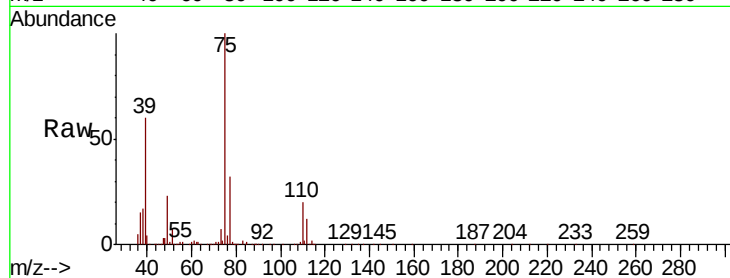
VSTDCCC010EC

Tot Ion: 75 Resp: 1243407

Ion Ratio Lower Upper

75 100

77 31.7 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 10.947 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

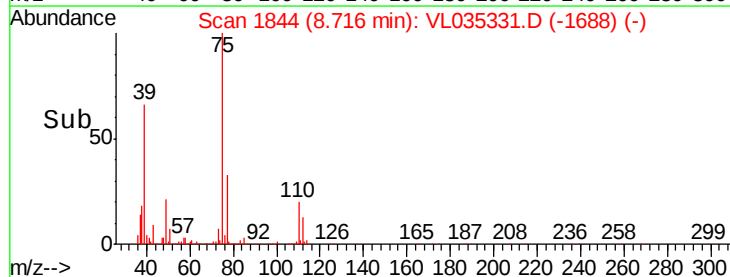
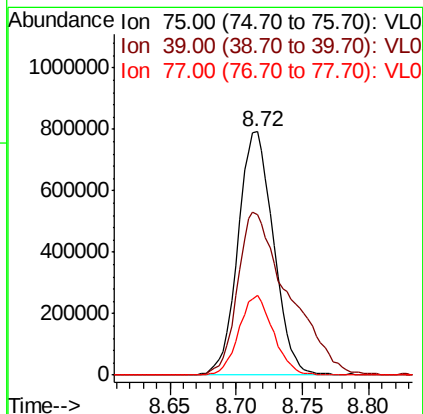
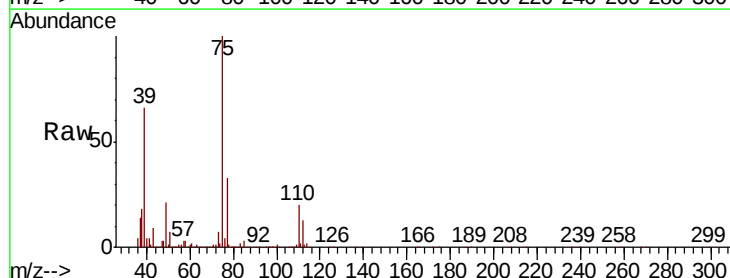
Tgt Ion: 75 Resp: 1471194

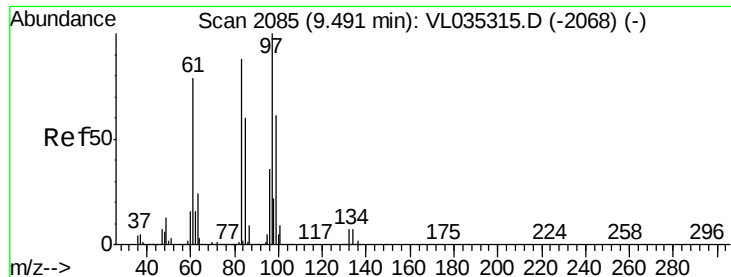
Ion Ratio Lower Upper

75 100

39 65.8 52.6 79.0

77 32.6 26.5 39.7





#47

1,1,2-Trichloroethane

Concen: 9.142 ppbv

RT: 9.49 min Scan# 2085

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 97 Resp: 1052474

Ion	Ratio	Lower	Upper
97	100		
83	93.8	70.6	105.8
85	59.6	47.8	71.8
99	64.1	49.0	73.6

97 100

83 93.8 70.6 105.8

85 59.6 47.8 71.8

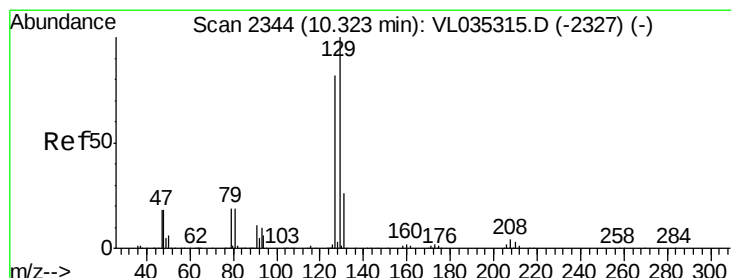
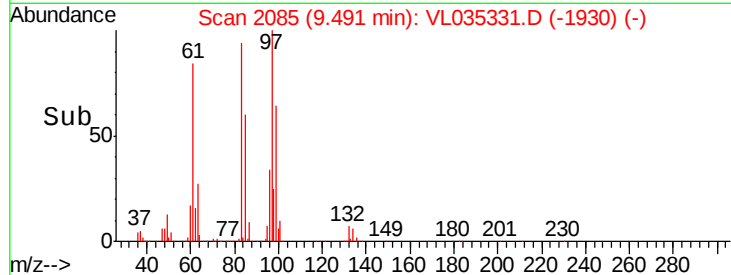
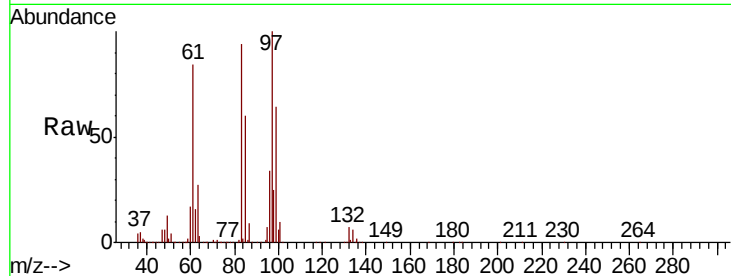
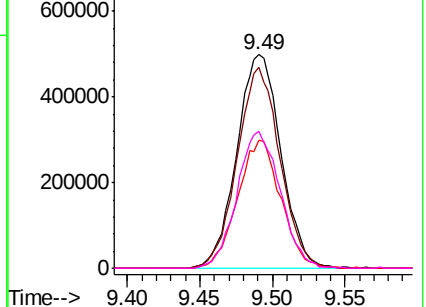
99 64.1 49.0 73.6

Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 9.999 ppbv

RT: 10.32 min Scan# 2344

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Tgt Ion: 129 Resp: 1873028

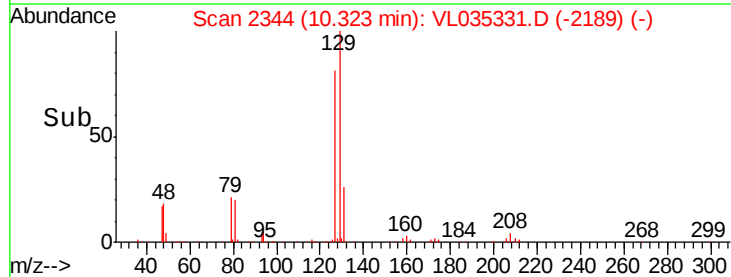
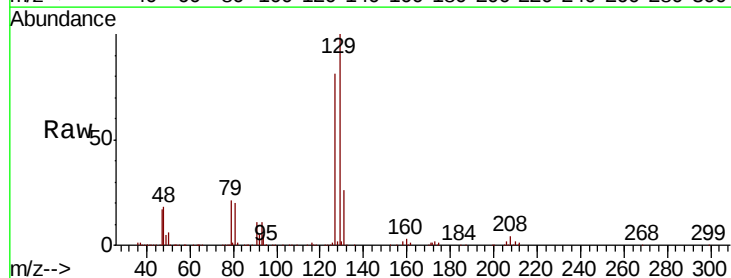
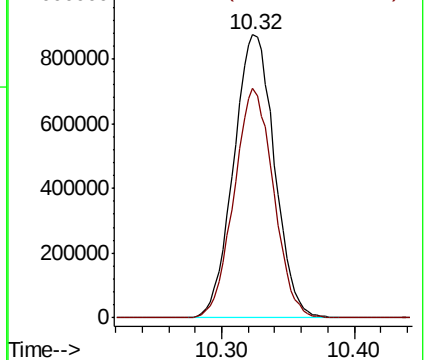
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.0	117.0

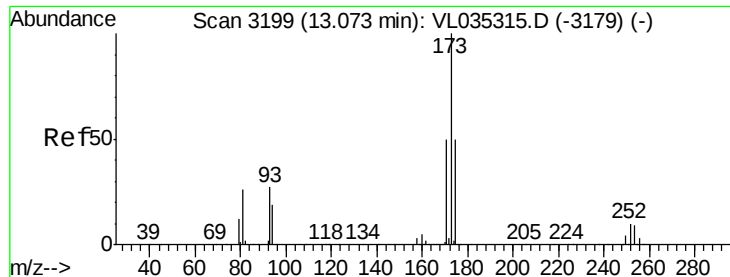
129 100

127 78.5 39.0 117.0

Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.640 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

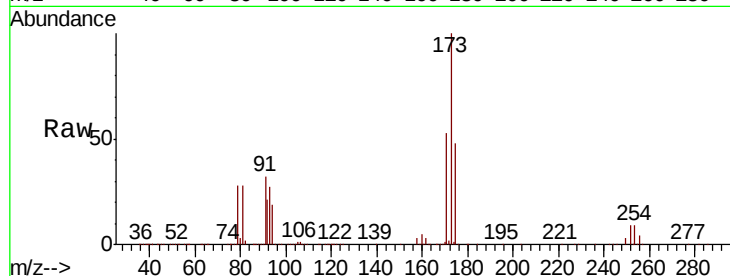
Tot Ion:173 Resp: 1736127

Ion Ratio Lower Upper

173 100

175 49.4 39.8 59.6

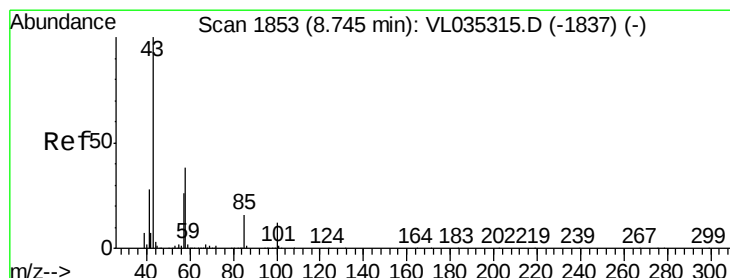
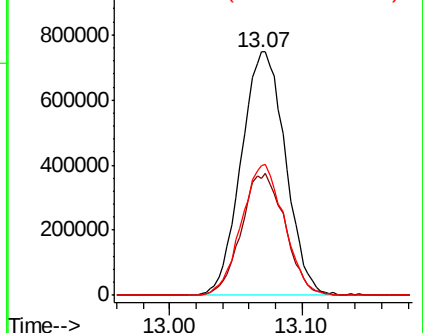
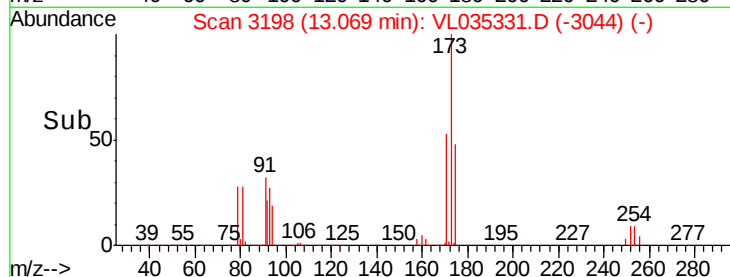
171 52.4 42.0 63.0



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.890 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VL035331.D

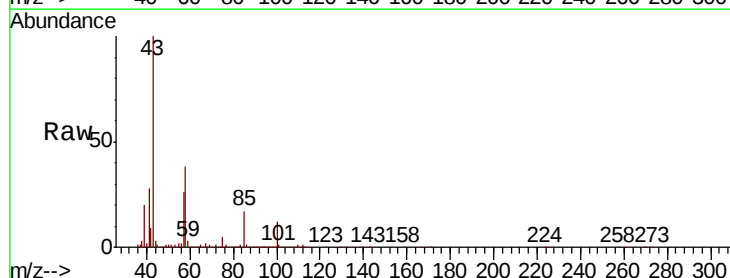
Acq: 4 Aug 2020 2:44

Tgt Ion: 43 Resp: 2524780

Ion Ratio Lower Upper

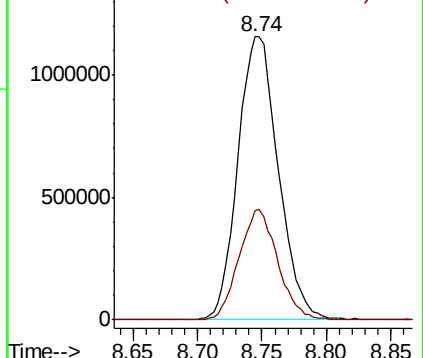
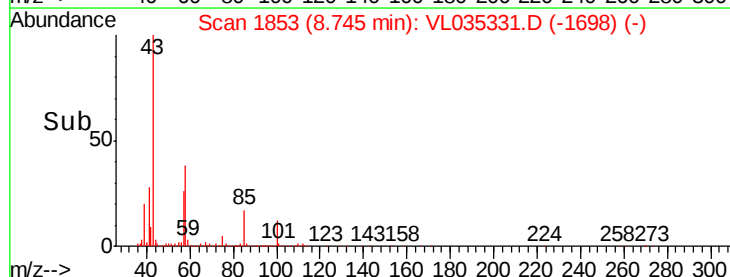
43 100

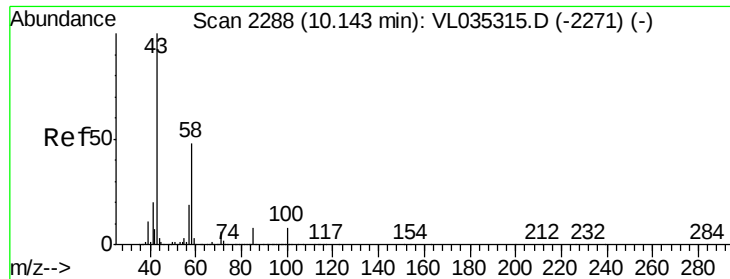
58 37.4 29.8 44.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

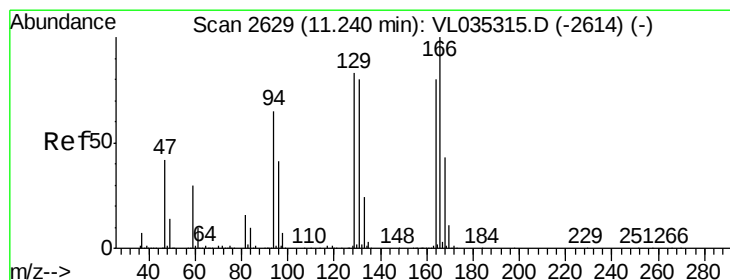
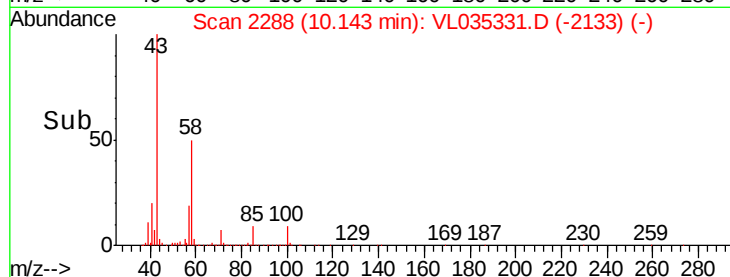
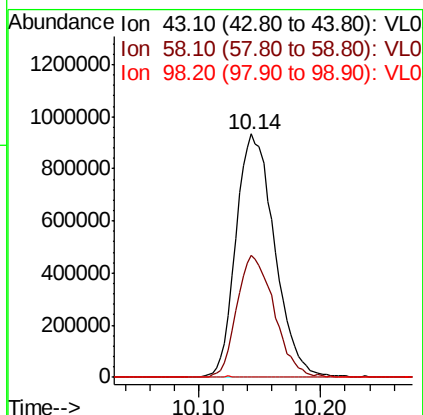
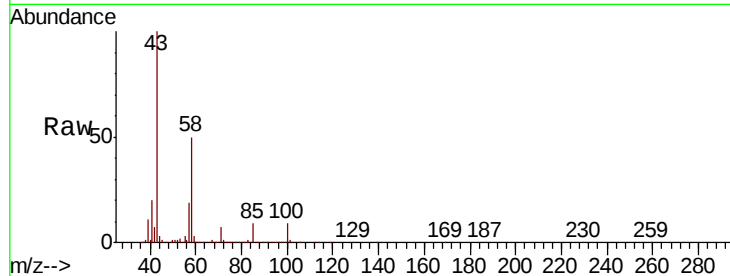




#51
2-Hexanone
Concen: 10.342 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

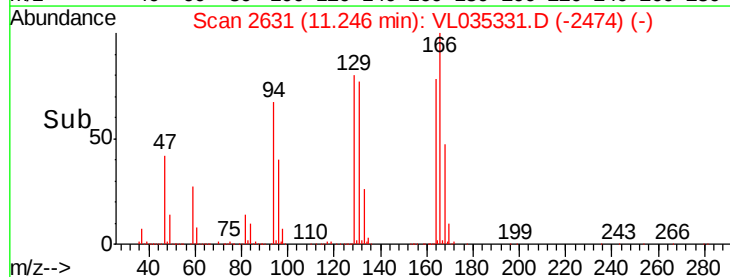
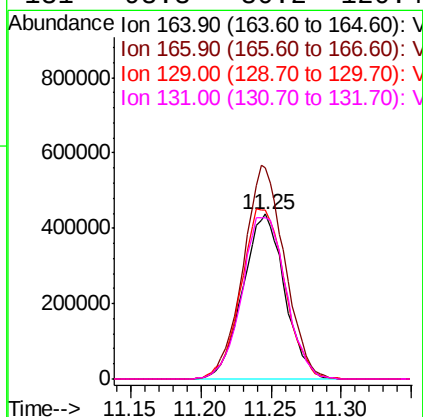
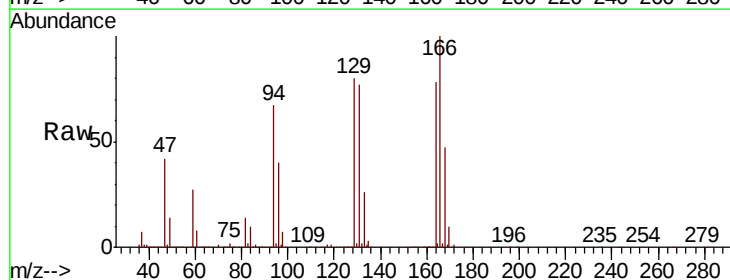
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

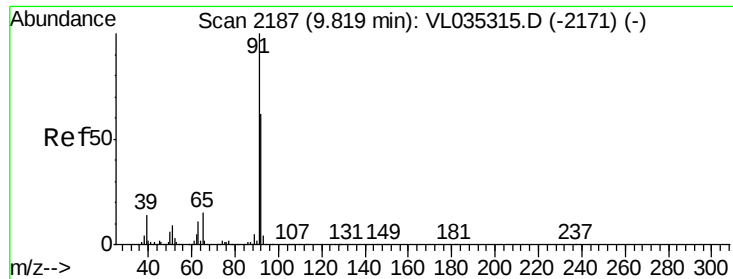
Tot Ion: 43 Resp: 2042829
Ion Ratio Lower Upper
43 100
58 48.7 39.8 59.6
98 0.5 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.223 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.01 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Tgt Ion:164 Resp: 906491
Ion Ratio Lower Upper
164 100
166 128.5 100.2 150.2
129 102.5 82.7 124.1
131 98.3 80.2 120.4





#53

Toluene

Concen: 10.707 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

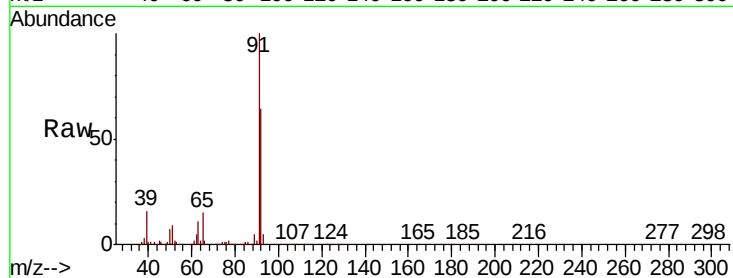
VSTDCCC010EC

Tot Ion: 91 Resp: 2834111

Ion Ratio Lower Upper

91 100

92 60.9 48.7 73.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

9.82

1500000

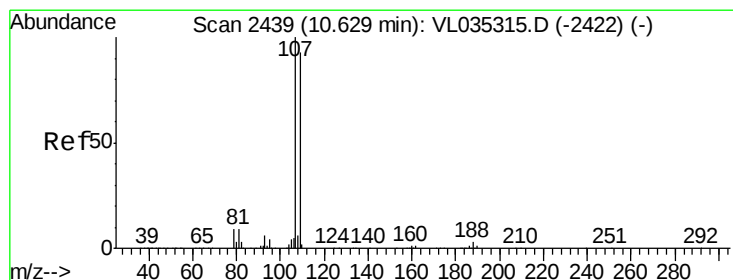
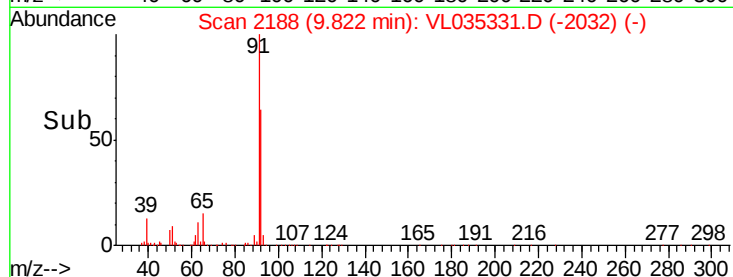
1000000

500000

0

9.75 9.80 9.85 9.90

Time-->



#54

1,2-Dibromoethane

Concen: 9.625 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.00 min

Lab File: VL035331.D

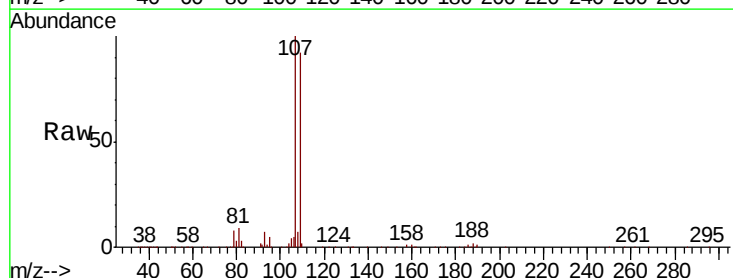
Acq: 4 Aug 2020 2:44

Tgt Ion: 107 Resp: 1640401

Ion Ratio Lower Upper

107 100

109 92.3 74.4 111.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.63

800000

600000

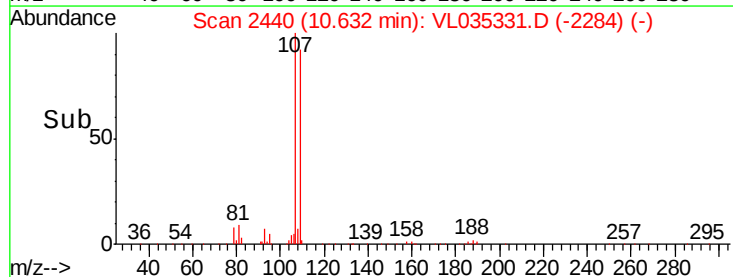
400000

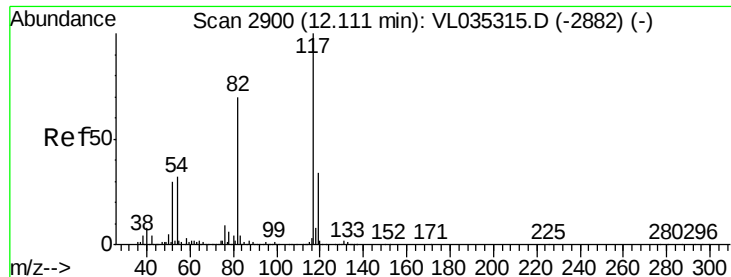
200000

0

10.60 10.70

Time-->

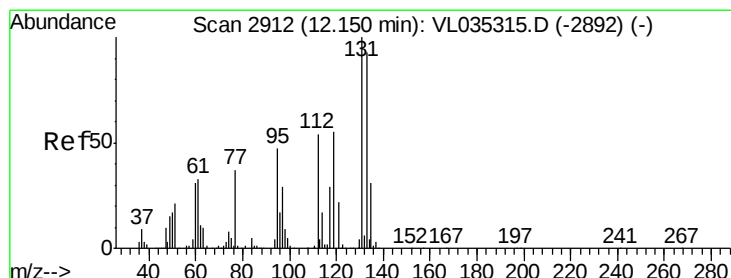
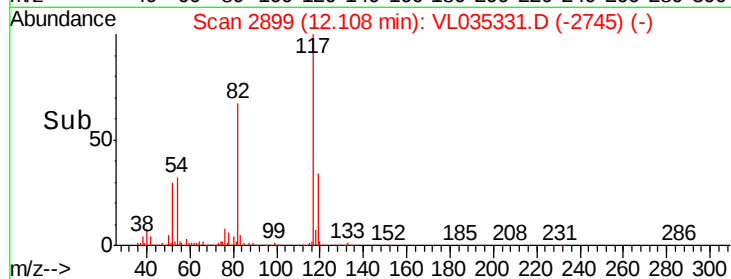
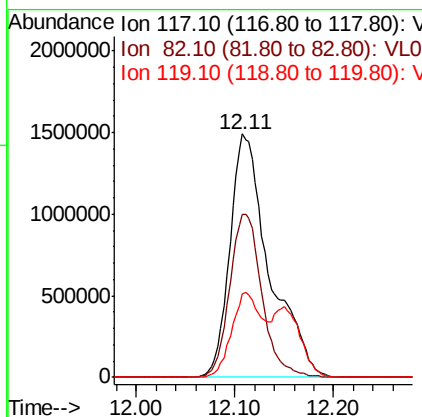
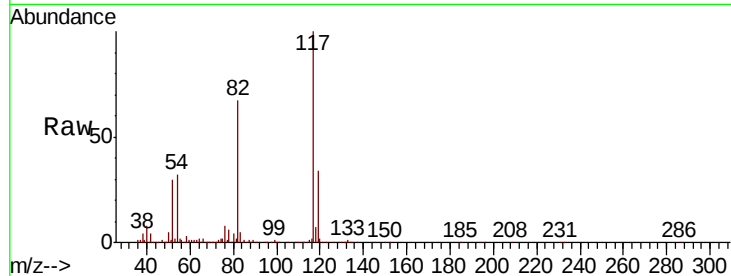




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

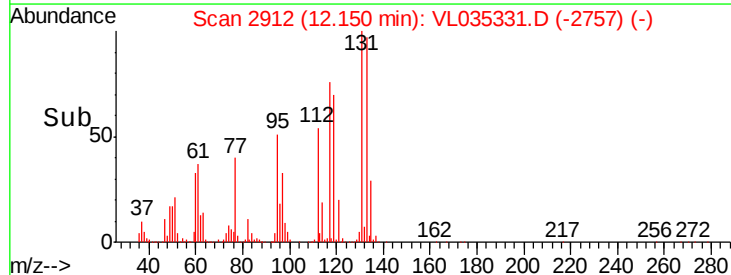
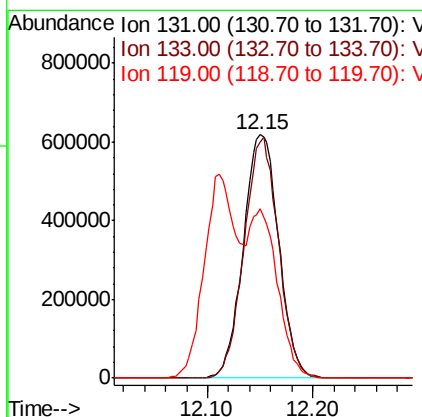
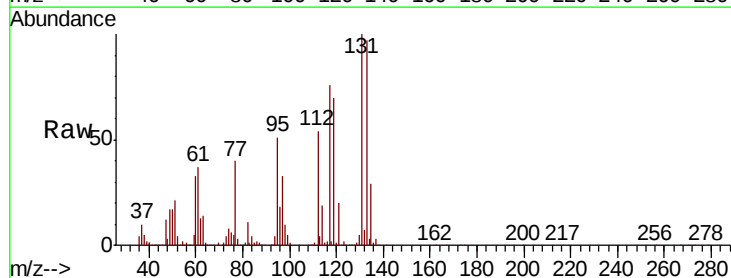
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

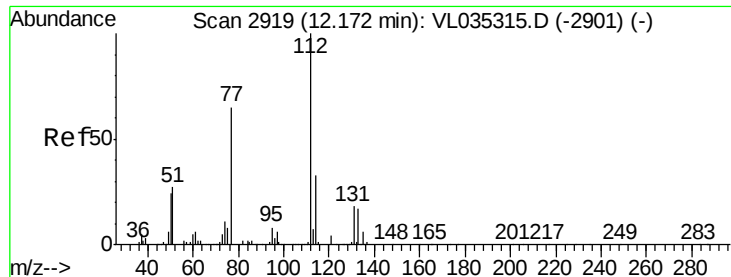
Tot Ion:117 Resp: 4156104
Ion Ratio Lower Upper
117 100
82 54.8 50.6 76.0
119 25.4 24.1 36.1



#56
1,1,1,2-Tetrachloroethane
Concen: 7.416 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Tgt Ion:131 Resp: 1446525
Ion Ratio Lower Upper
131 100
133 95.9 75.5 113.3
119 63.0 53.1 79.7

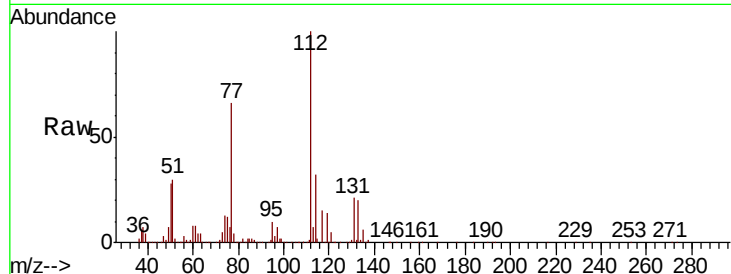




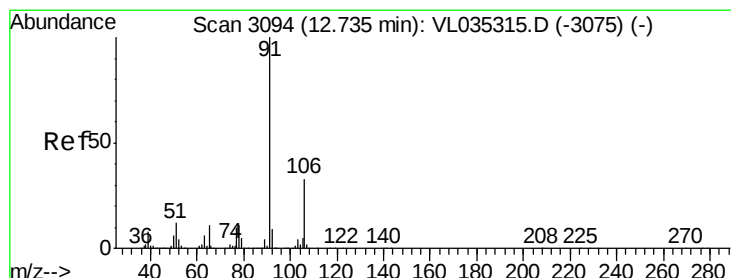
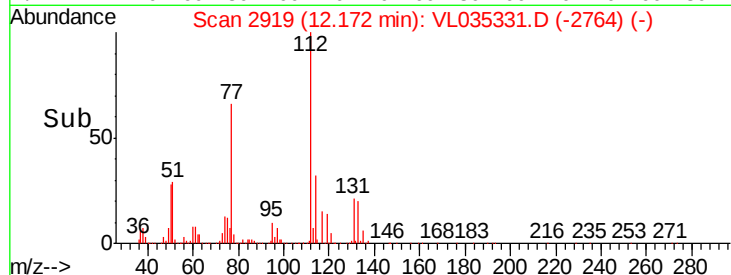
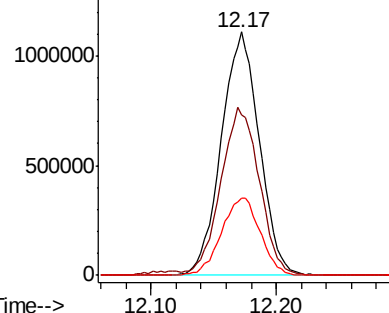
#57
Chlorobenzene
Concen: 7.331 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 2331718
Ion Ratio Lower Upper
112 100
77 65.5 53.0 79.6
114 31.9 30.0 36.6

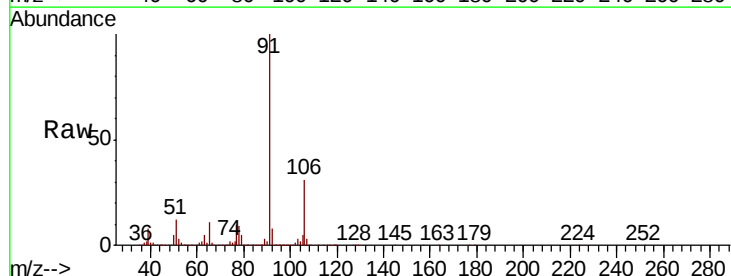


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

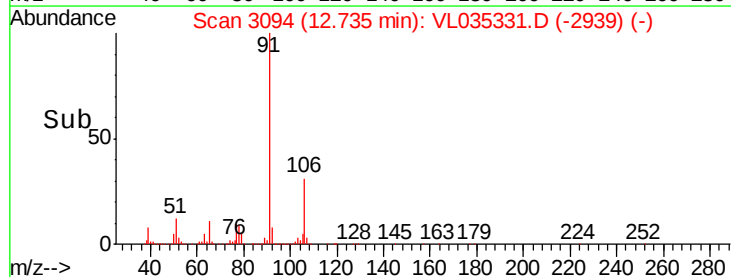
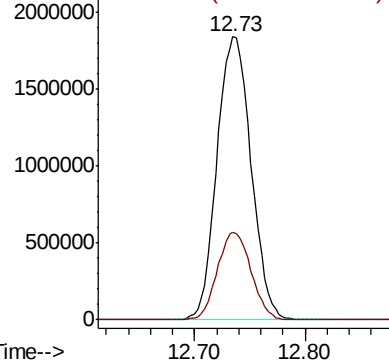


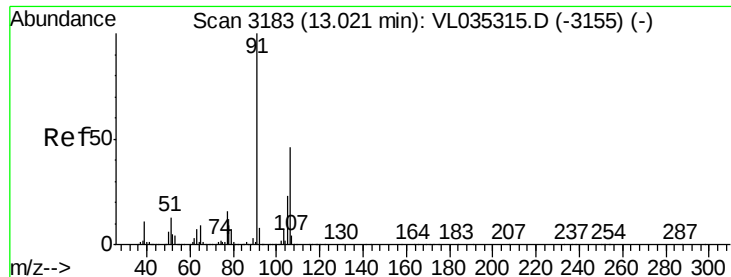
#58
Ethyl Benzene
Concen: 8.637 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL035331.D
Acq: 4 Aug 2020 2:44

Tgt Ion: 91 Resp: 3933116
Ion Ratio Lower Upper
91 100
106 30.8 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 6.567 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

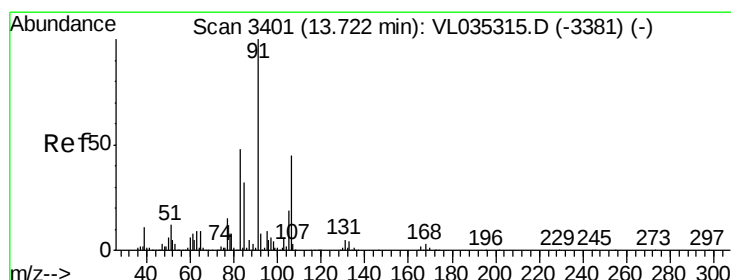
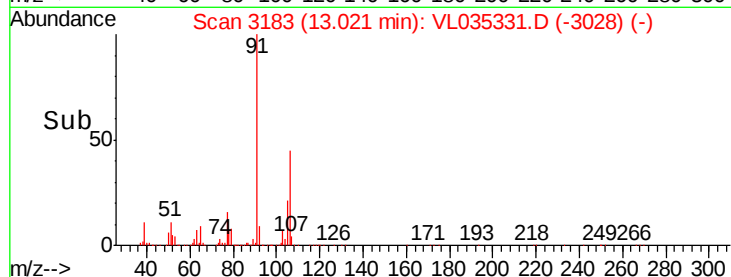
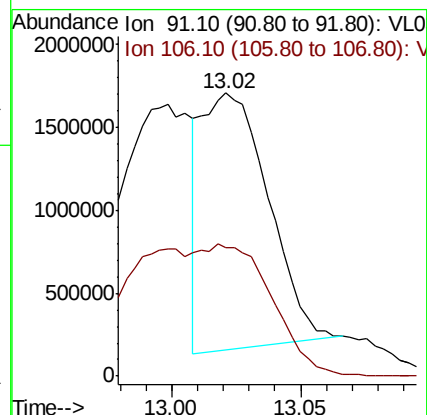
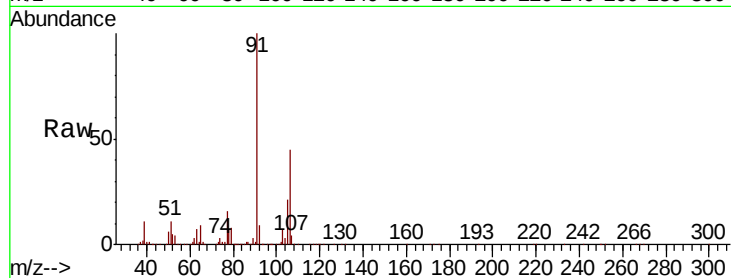
VSTDCCC010EC

Tot Ion: 91 Resp: 2759289

Ion Ratio Lower Upper

91 100

106 111.7 36.6 55.0#



#60

o-Xylene

Concen: 8.172 ppbv

RT: 13.72 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VL035331.D

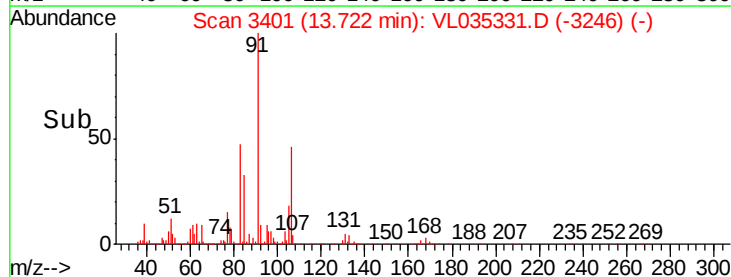
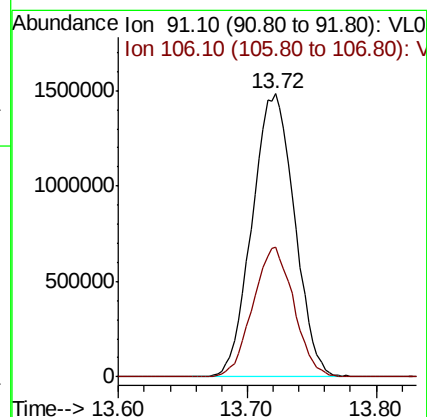
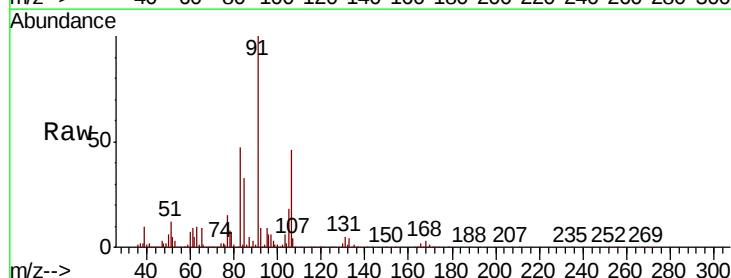
Acq: 4 Aug 2020 2:44

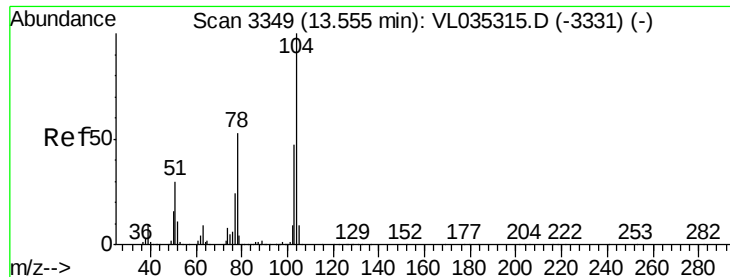
Tgt Ion: 91 Resp: 3394621

Ion Ratio Lower Upper

91 100

106 44.4 22.4 67.3





#61

Stvrene

Concen: 9.164 ppbv

RT: 13.55 min Scan# 3349

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

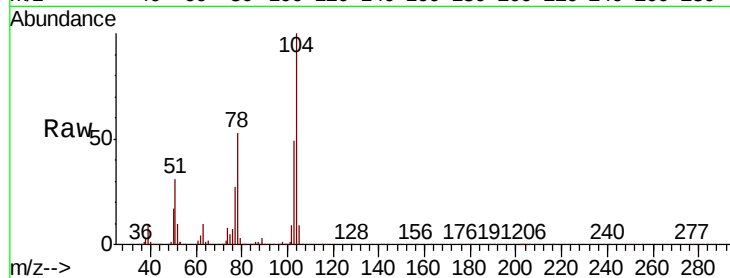
Tot Ion:104 Resp: 2340368

Ion Ratio Lower Upper

104 100

78 55.1 43.1 64.7

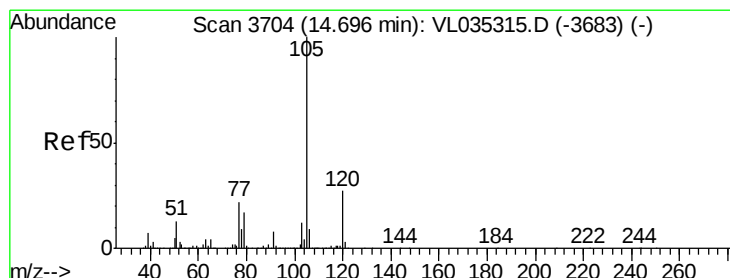
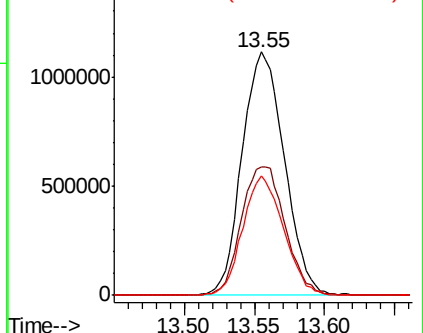
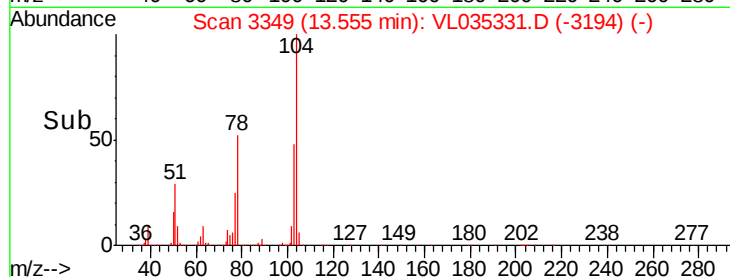
103 47.6 37.6 56.4



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: 7.960 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. -0.00 min

Lab File: VL035331.D

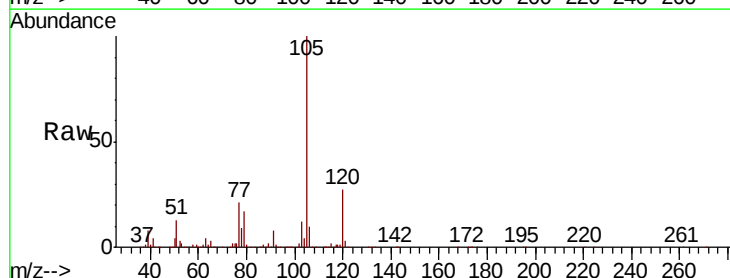
Acq: 4 Aug 2020 2:44

Tgt Ion:105 Resp: 4987839

Ion Ratio Lower Upper

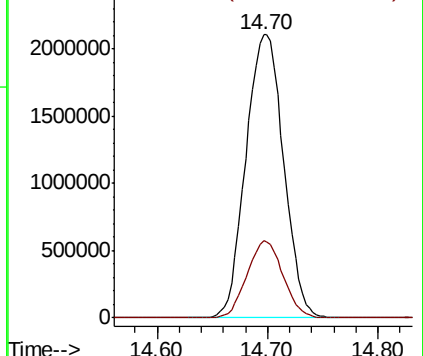
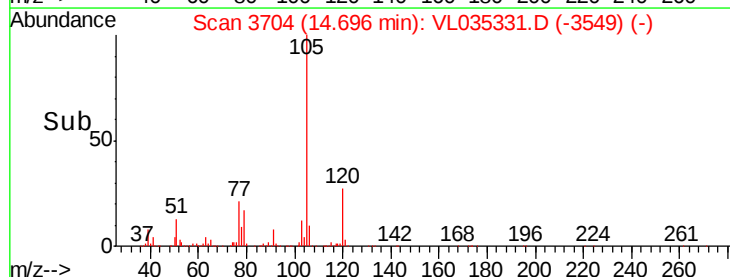
105 100

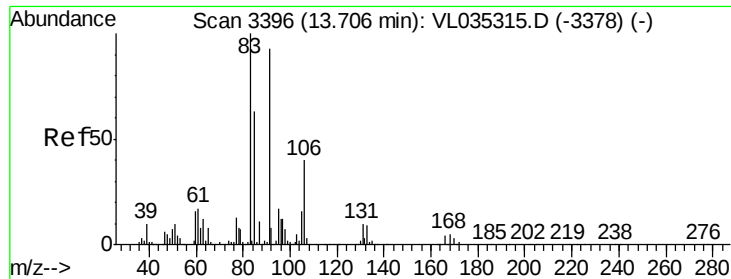
120 25.9 21.0 31.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

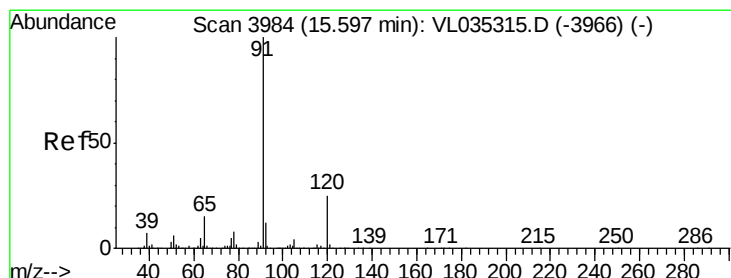
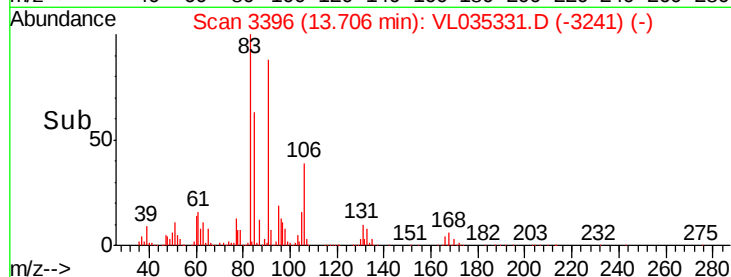
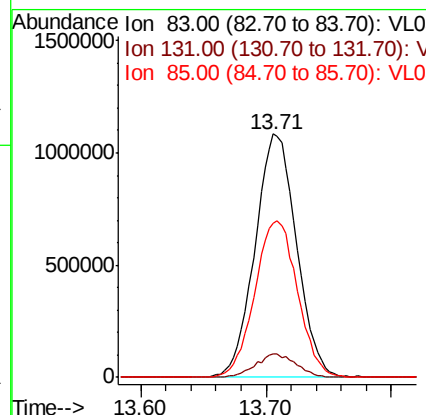
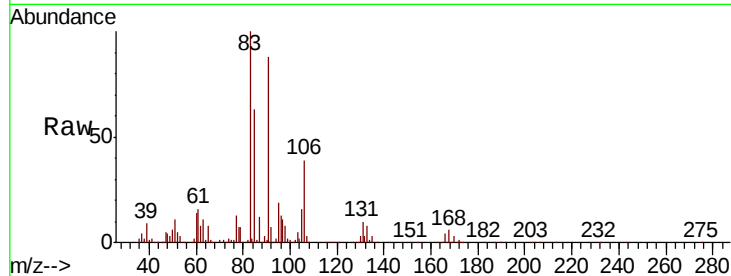




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.646 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

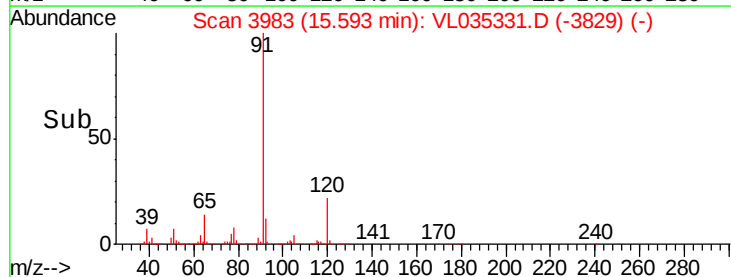
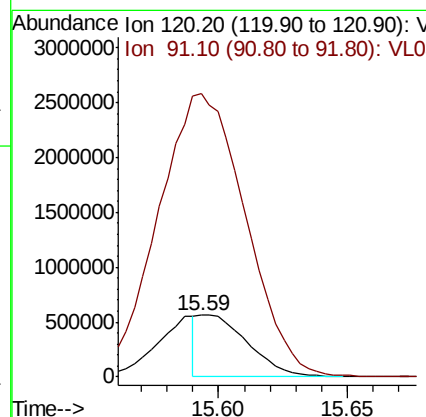
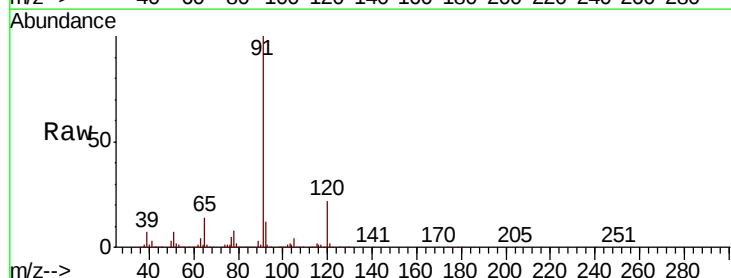
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

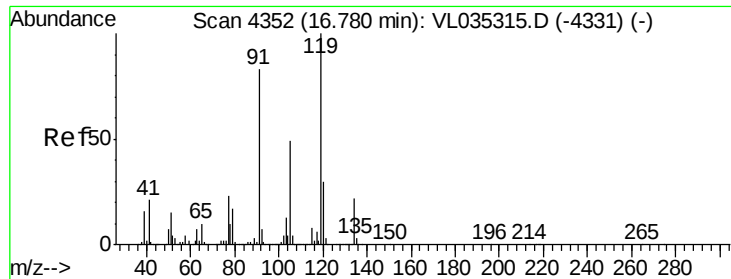
Tot Ion: 83 Resp: 2491134
 Ion Ratio Lower Upper
 83 100
 131 9.5 4.6 13.8
 85 66.7 32.6 97.7



#64
 n-propylbenzene
 Concen: 4.555 ppbv
 RT: 15.59 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Tgt Ion: 120 Resp: 746593
 Ion Ratio Lower Upper
 120 100
 91 820.1 359.3 538.9#





#65

tert-Butylbenzene

Concen: 8.133 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

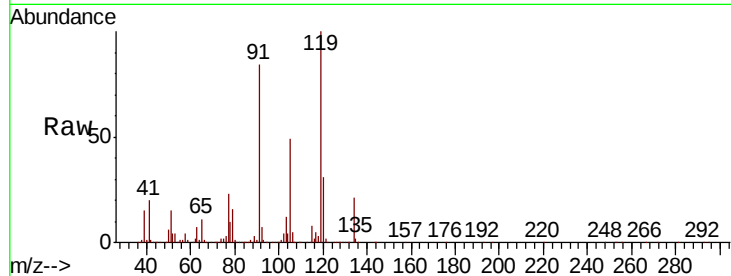
Tot Ion: 119 Resp: 4563310

Ion Ratio Lower Upper

119 100

91 85.3 67.8 101.8

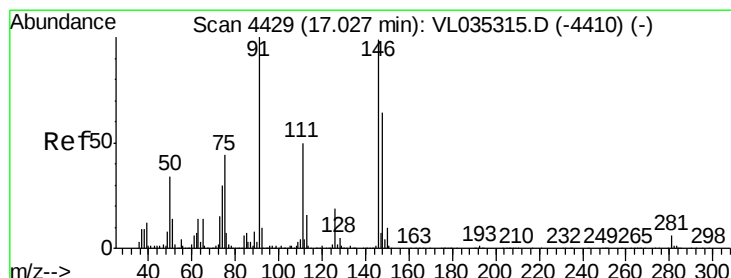
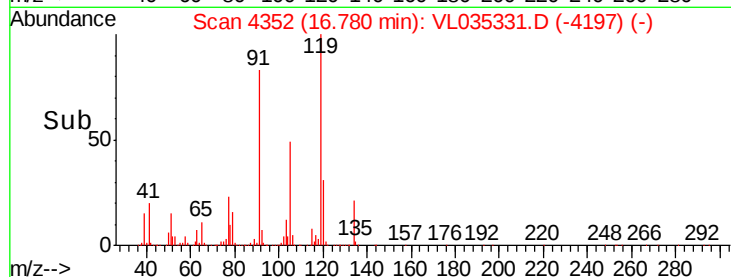
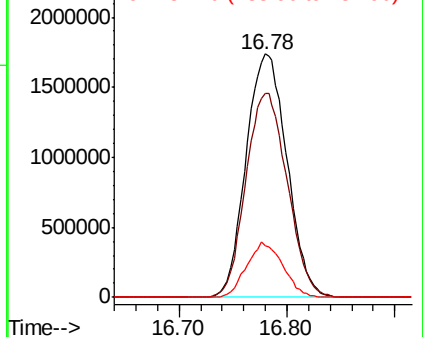
134 20.1 16.1 24.1



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 8.613 ppbv

RT: 17.03 min Scan# 4429

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

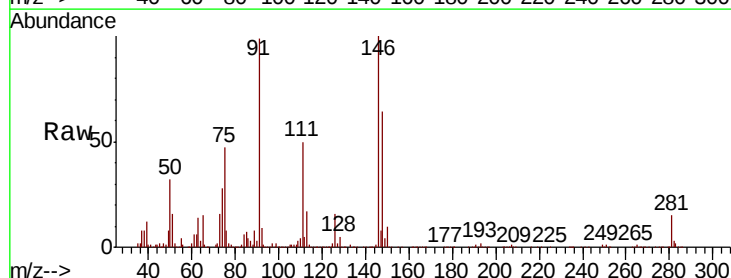
Tgt Ion: 91 Resp: 1868466

Ion Ratio Lower Upper

91 100

126 17.0 13.8 20.8

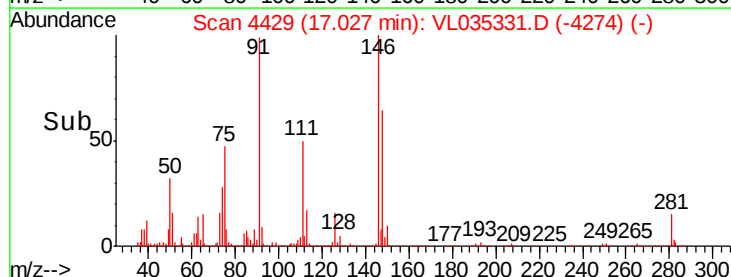
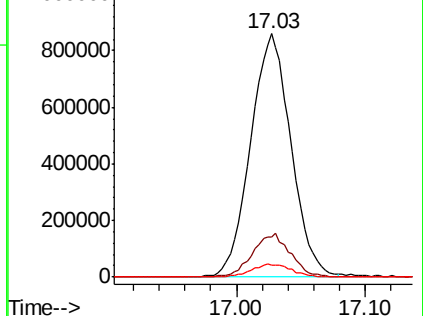
128 5.4 4.2 6.4

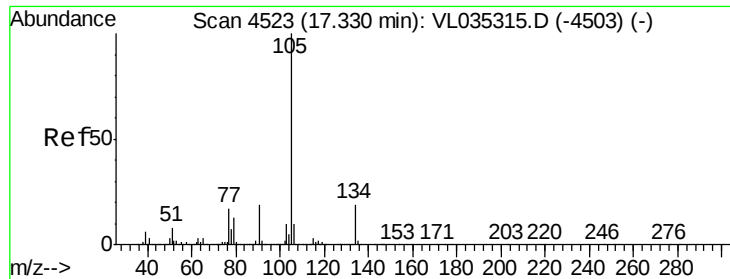


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

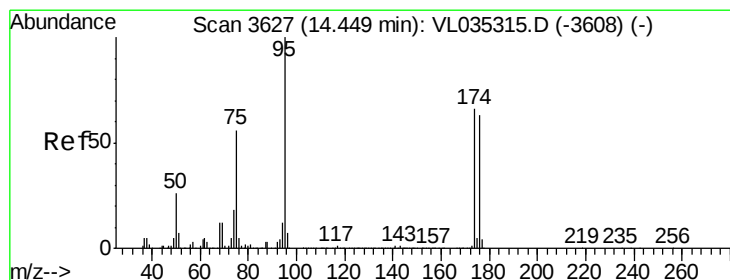
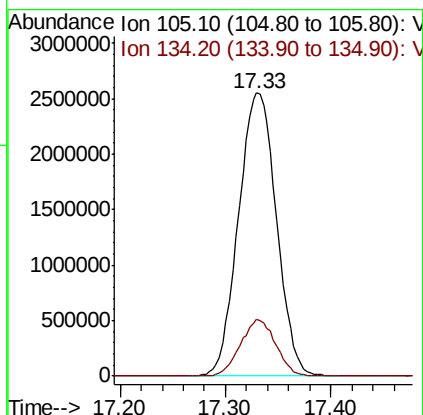
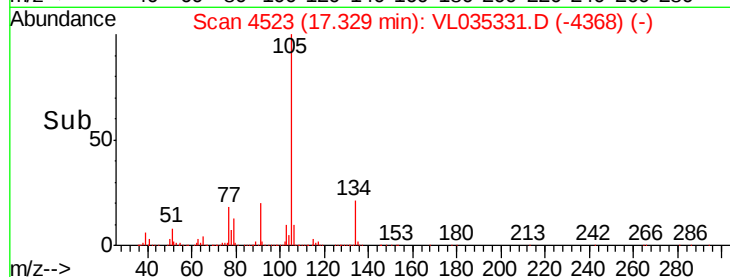
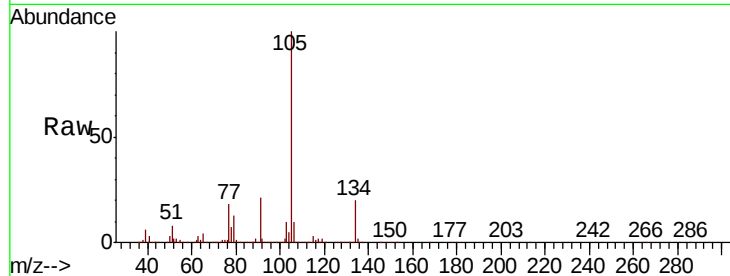




#67
 sec-Butylbenzene
 Concen: 8.037 ppbv
 RT: 17.33 min Scan# 4523
 Delta R.T. -0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

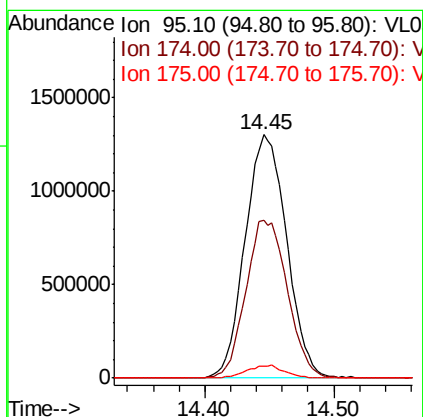
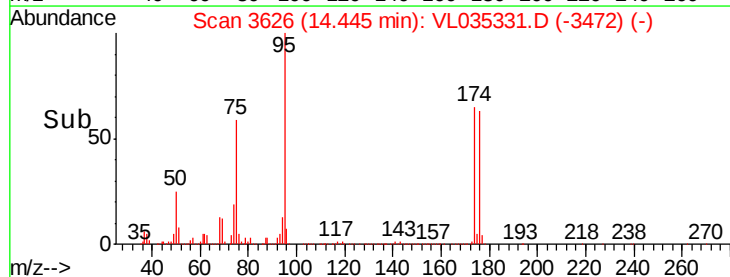
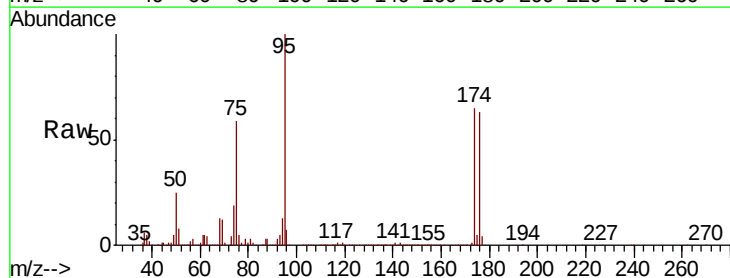
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

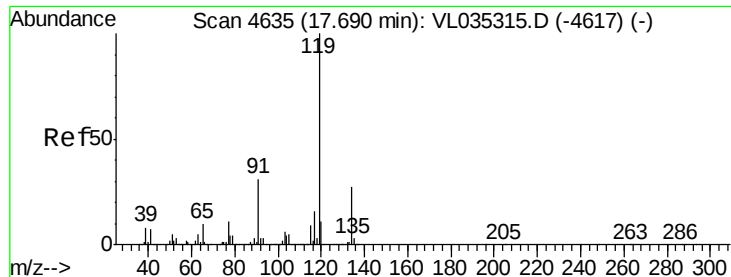
Tot Ion:105 Resp: 6375835
 Ion Ratio Lower Upper
 105 100
 134 18.8 15.1 22.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.381 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Tgt Ion: 95 Resp: 2917748
 Ion Ratio Lower Upper
 95 100
 174 65.3 52.5 78.7
 175 4.8 3.9 5.9





#69

p-Isopropyltoluene

Concen: 8.063 ppbv

RT: 17.69 min Scan# 4635

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

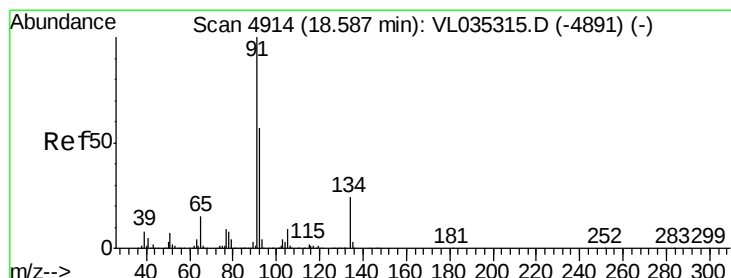
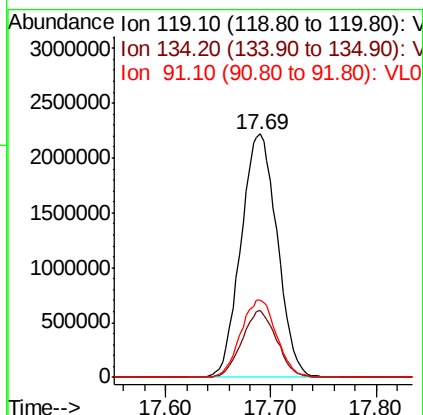
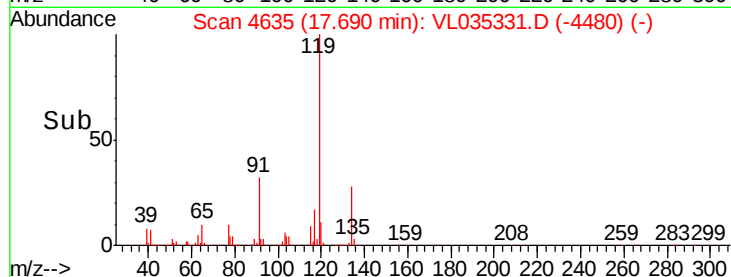
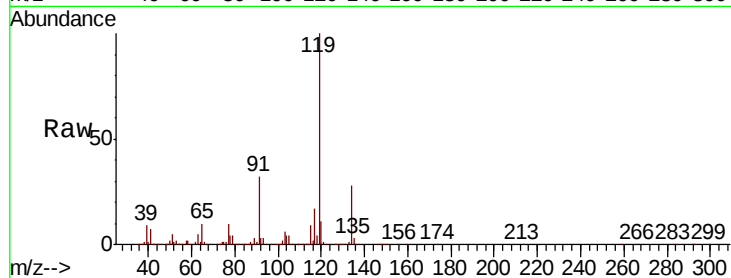
Tot Ion:119 Resp: 5292168

Ion Ratio Lower Upper

119 100

134 26.2 21.2 31.8

91 31.6 25.3 37.9



#70

n-Butylbenzene

Concen: 7.863 ppbv

RT: 18.59 min Scan# 4914

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

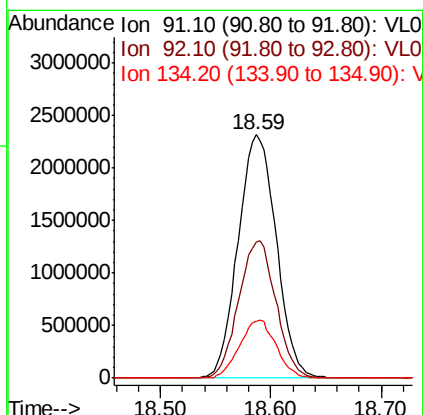
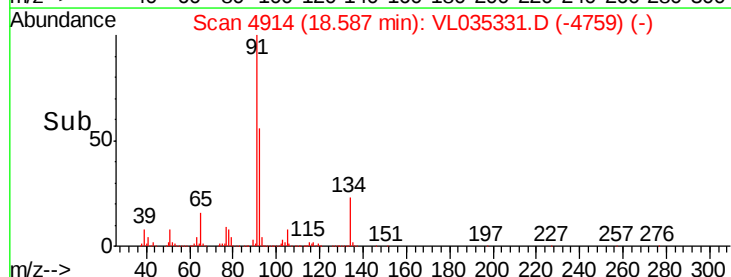
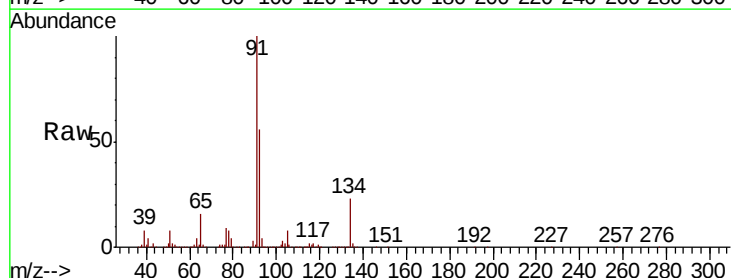
Tgt Ion: 91 Resp: 5552120

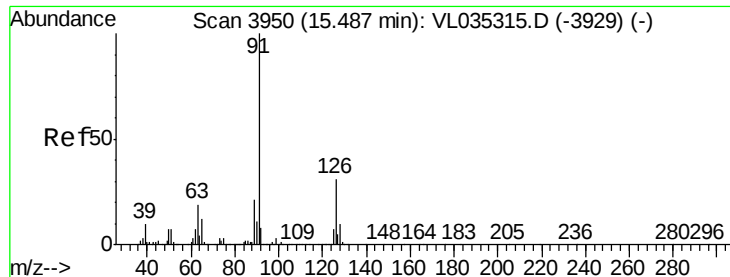
Ion Ratio Lower Upper

91 100

92 55.3 44.6 66.8

134 22.8 18.6 27.8





#71

2-Chlorotoluene

Concen: 8.304 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

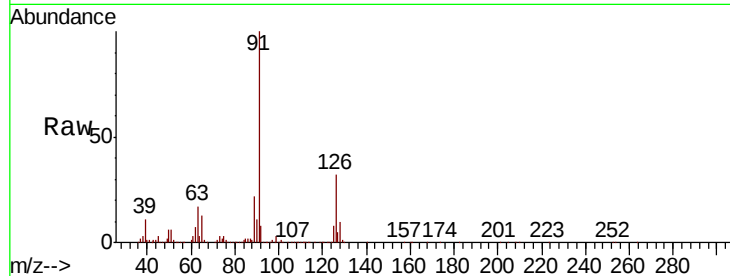
VSTDCCC010EC

Tot Ion: 91 Resp: 3883465

Ion Ratio Lower Upper

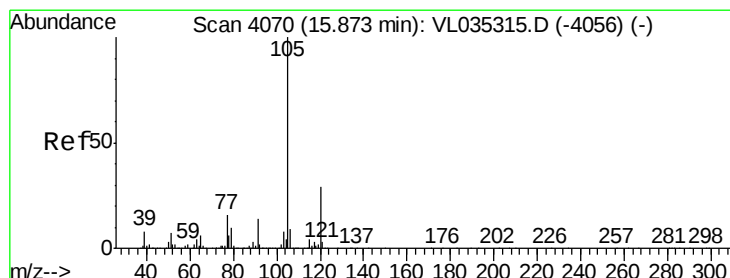
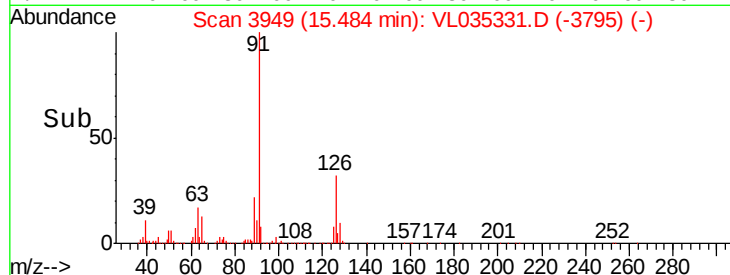
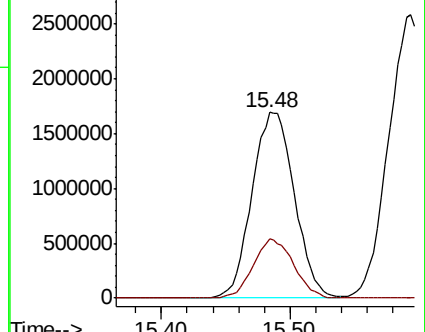
91 100

126 30.4 12.3 49.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.456 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Tgt Ion:105 Resp: 3962836

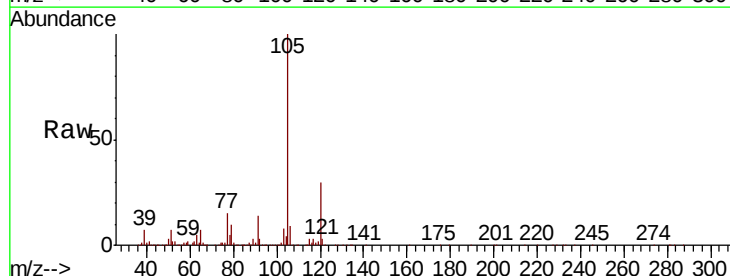
Ion Ratio Lower Upper

105 100

120 29.9 23.6 35.4

91 13.8 11.3 16.9

77 15.0 11.8 17.6

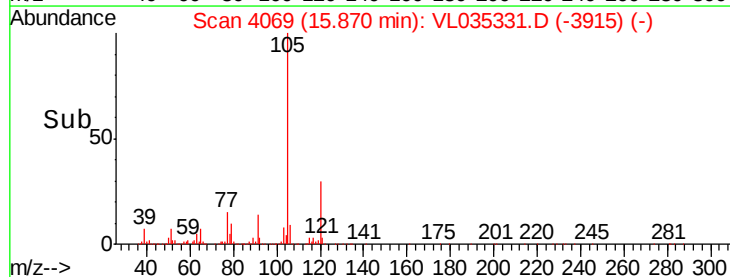
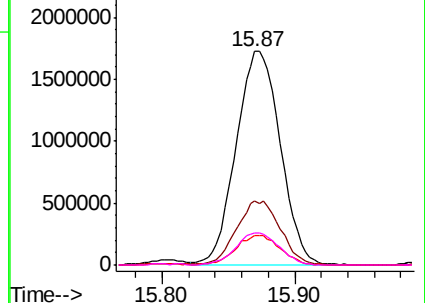


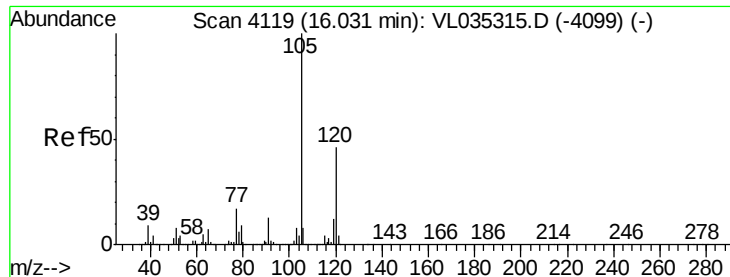
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 8.288 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

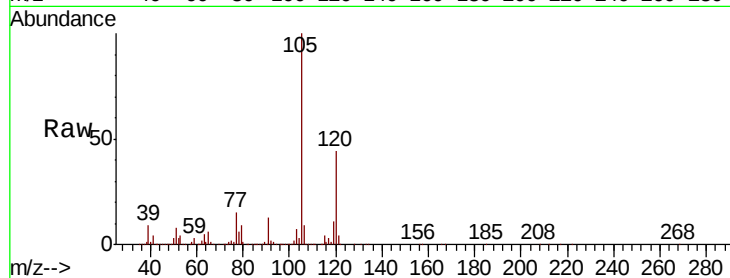
VSTDCCC010EC

Tot Ion:105 Resp: 3804909

Ion Ratio Lower Upper

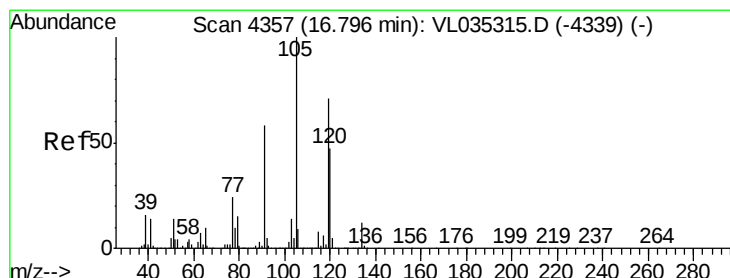
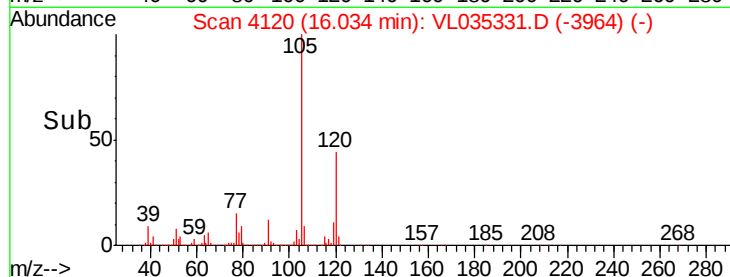
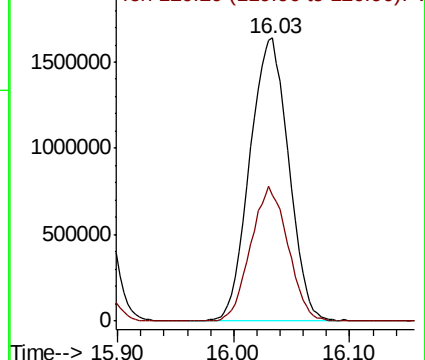
105 100

120 44.4 36.6 54.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.642 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Tgt Ion:105 Resp: 4022727

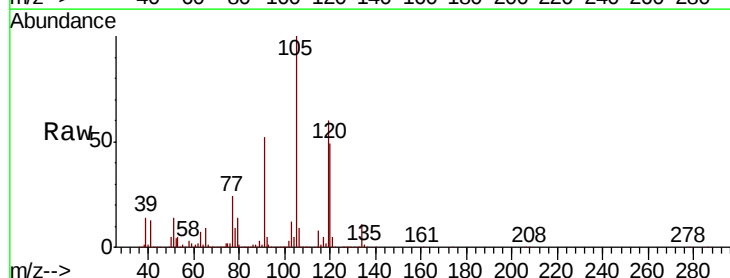
Ion Ratio Lower Upper

105 100

120 48.9 38.0 57.0

91 51.4 47.9 71.9

77 24.4 19.6 29.4

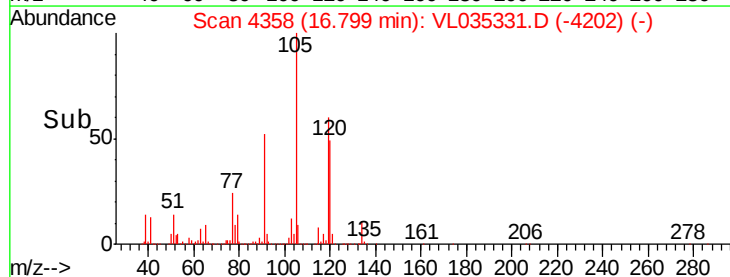
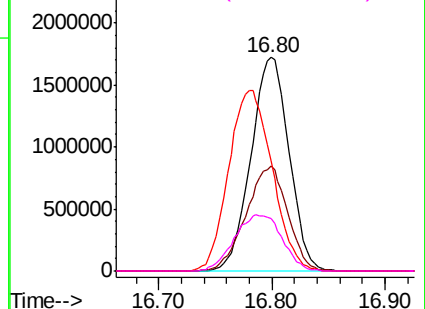


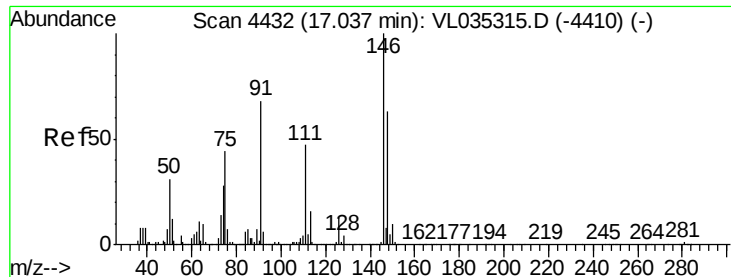
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 7.067 ppbv

RT: 17.04 min Scan# 4432

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

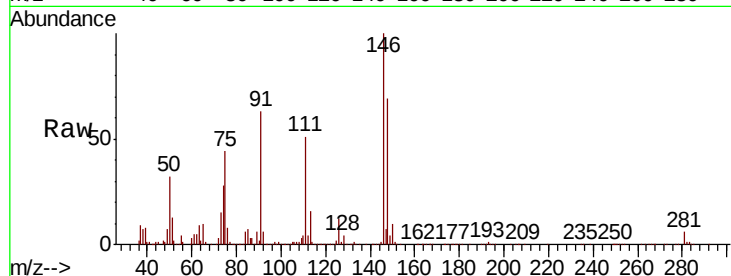
Tot Ion:146 Resp: 2313868

Ion Ratio Lower Upper

146 100

111 48.9 24.2 72.6

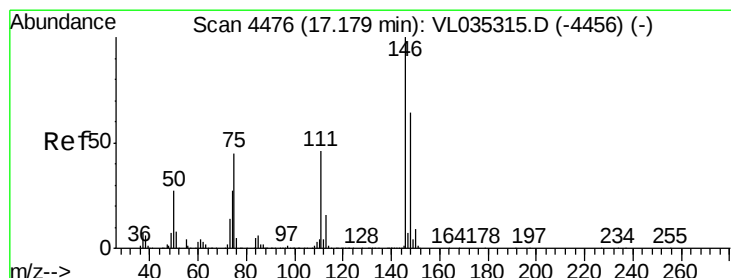
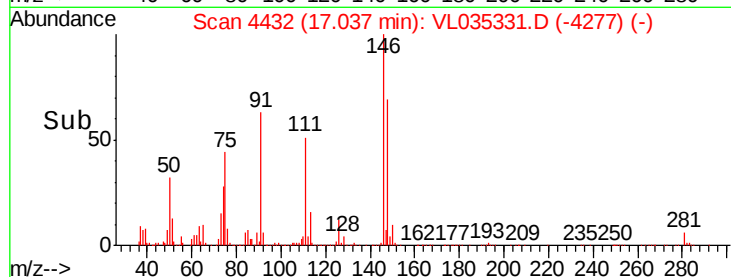
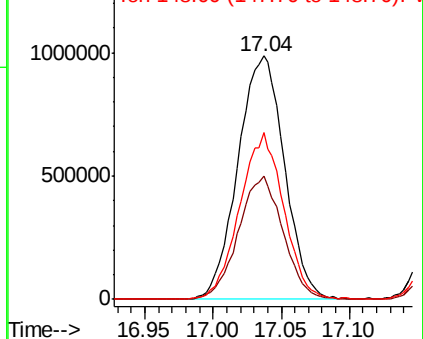
148 65.4 32.4 97.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.422 ppbv

RT: 17.18 min Scan# 4476

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

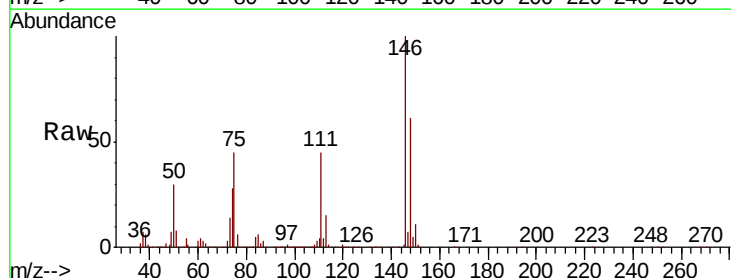
Tgt Ion:146 Resp: 2300291

Ion Ratio Lower Upper

146 100

111 46.5 23.6 70.8

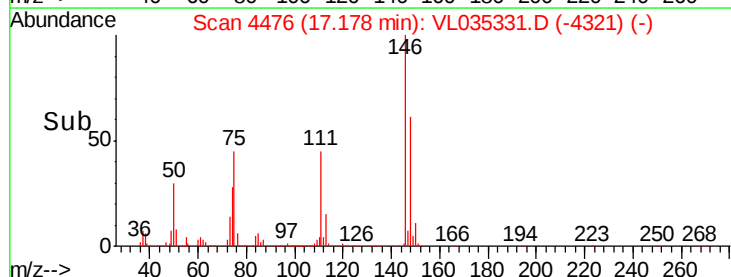
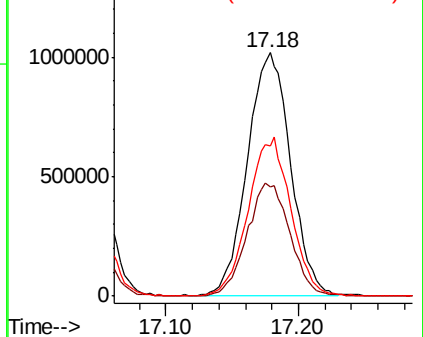
148 64.9 32.8 98.4

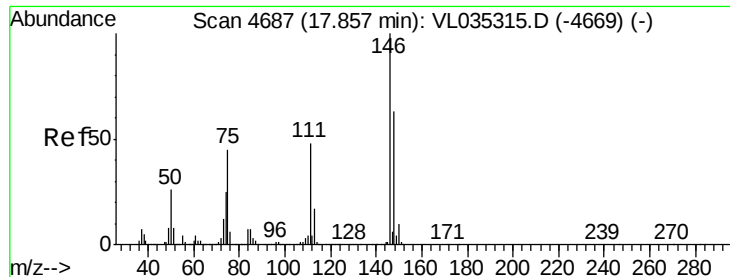


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

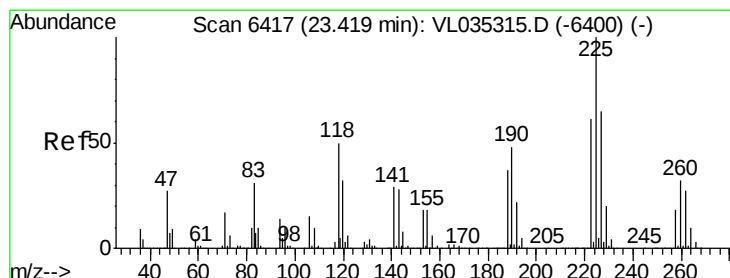
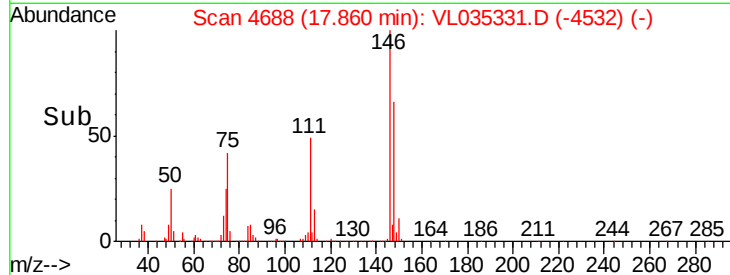
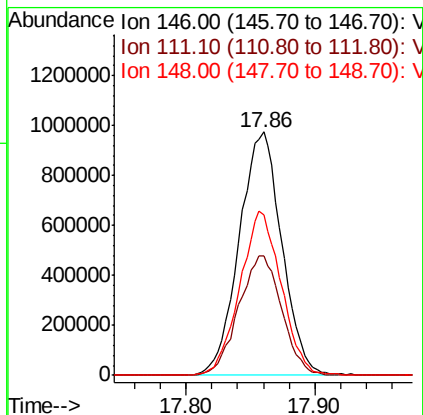
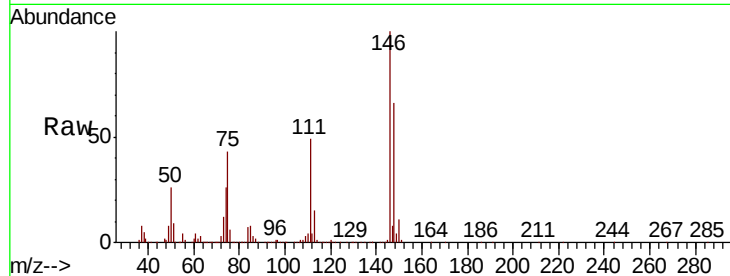




#77
 1,2-Dichlorobenzene
 Concen: 7.412 ppbv
 RT: 17.86 min Scan# 4688
 Delta R.T. 0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

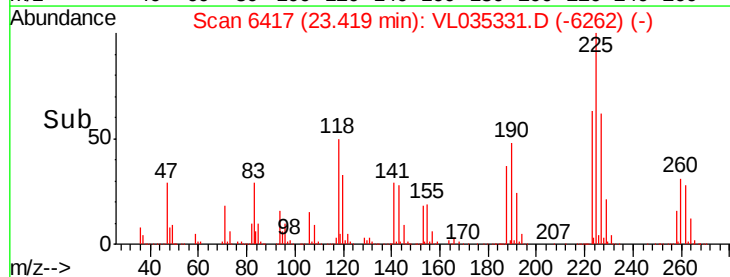
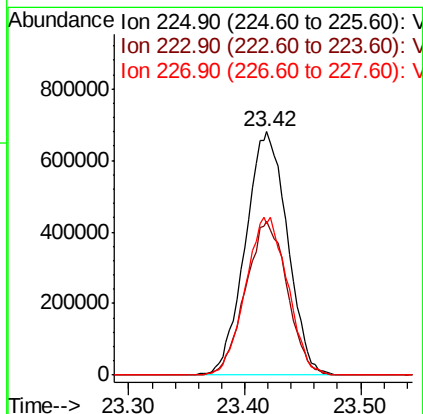
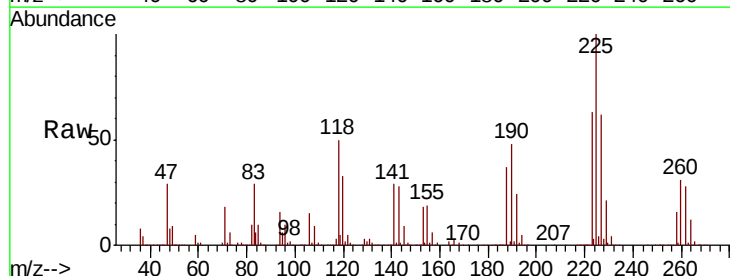
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

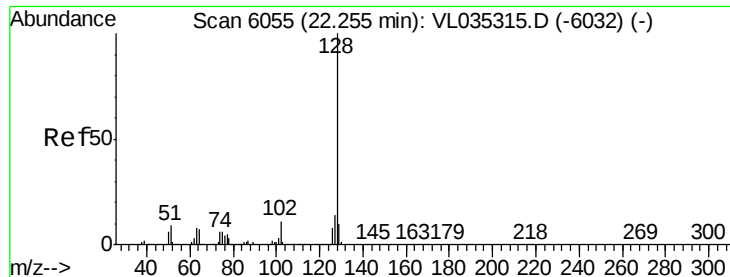
Tot Ion:146 Resp: 2238343
 Ion Ratio Lower Upper
 146 100
 111 49.8 24.6 73.6
 148 65.5 32.3 96.8



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.003 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. -0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Tgt Ion:225 Resp: 1716856
 Ion Ratio Lower Upper
 225 100
 223 62.5 50.2 75.4
 227 64.9 52.7 79.1





#79

Naphthalene

Concen: 8.143 ppbv

RT: 22.26 min Scan# 6055

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

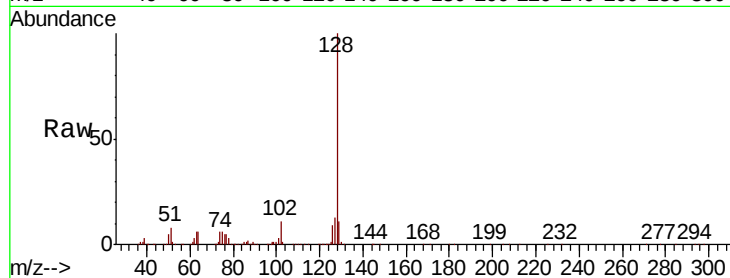
Tot Ion:128 Resp: 3392483

Ion Ratio Lower Upper

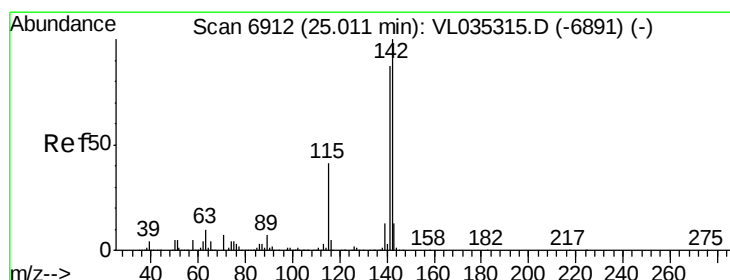
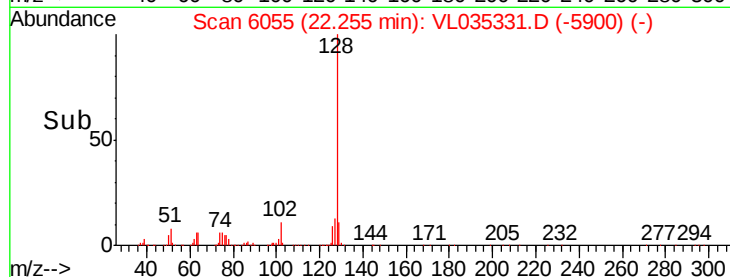
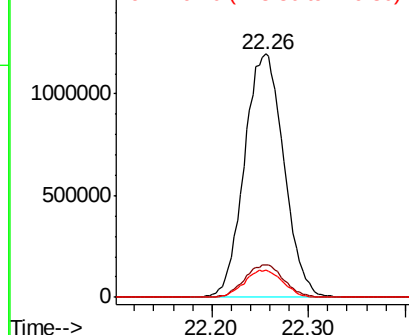
128 100

127 13.1 10.8 16.2

129 10.9 8.4 12.6



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: 9.591 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. -0.00 min

Lab File: VL035331.D

Acq: 4 Aug 2020 2:44

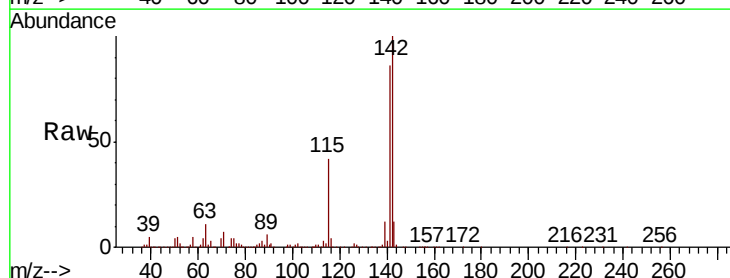
Tgt Ion:142 Resp: 1173214

Ion Ratio Lower Upper

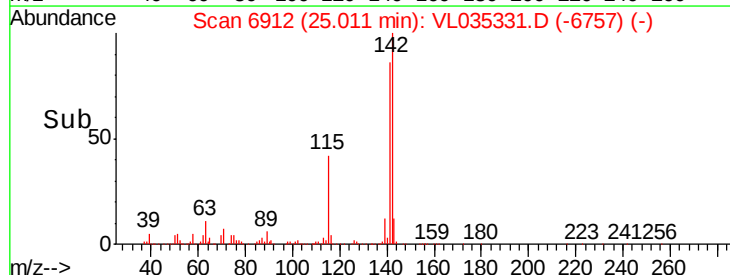
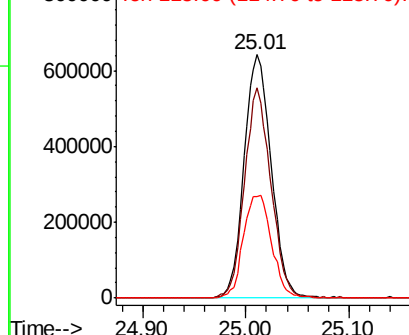
142 100

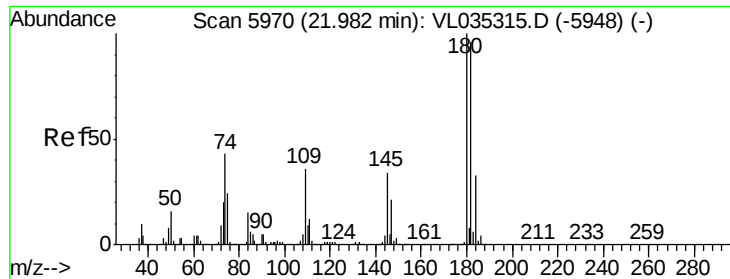
141 84.5 68.3 102.5

115 44.4 35.0 52.4



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

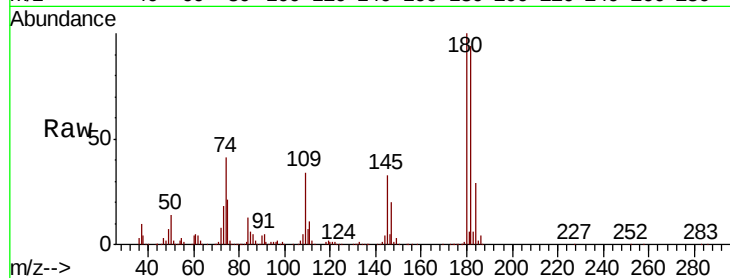




#81
 1,2,4-Trichlorobenzene
 Concen: 7.530 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. 0.00 min
 Lab File: VL035331.D
 Acq: 4 Aug 2020 2:44

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:180 Resp: 1908345
 Ion Ratio Lower Upper
 180 100
 182 96.3 76.9 115.3
 184 31.2 25.0 37.6



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

