

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036097.D
 Acq On : 8 Dec 2020 15:07
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Dec 09 07:17:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1243933	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2696797	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3110212	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2164481	8.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	87.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1172968	8.091 ppbv	98
3) Chlorodifluoromethane	2.99	51	1473236	10.380 ppbv	100
4) Chloromethane	3.14	50	702511	10.082 ppbv	97
5) Vinyl Chloride	3.26	62	701895	9.054 ppbv	100
6) Bromomethane	3.47	94	381140	9.529 ppbv	96
7) Chloroethane	3.56	64	249343	9.442 ppbv #	86
8) Dichlorotetrafluoroethane	3.19	85	1572151	9.758 ppbv	93
9) Propene	3.01	41	698939	9.831 ppbv	99
10) Heptane	8.14	43	1808959	9.962 ppbv	100
11) Trichlorofluoromethane	3.96	101	1667097	9.781 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1083961	9.365 ppbv	96
13) Ethanol	3.61	45	99077	10.109 ppbv	86
14) Bromoethene	3.74	108	462295	9.735 ppbv	97
15) Acetone	3.86	43	1316918	8.809 ppbv	99
16) 1,3-Butadiene	3.33	39	695955	9.243 ppbv	96
17) tert-Butyl alcohol	4.30	59	1166029	8.052 ppbv	99
18) 1,1-Dichloroethene	4.30	96	496983	9.670 ppbv	98
19) Isopropyl Alcohol	3.98	45	732622	8.018 ppbv #	100
20) Methylene Chloride	4.35	84	439722	7.178 ppbv	98
21) Allyl Chloride	4.42	41	882106	8.874 ppbv	95
22) trans-1,2-Dichloroethene	4.90	96	464219	9.022 ppbv	99
23) Vinyl Acetate	5.09	43	1782854	8.957 ppbv #	98
24) 1,1-Dichloroethane	5.02	63	1319495	9.425 ppbv	99
25) Ethyl Acetate	5.69	43	2886959	9.666 ppbv	99
26) Hexane	5.70	57	1216753	9.052 ppbv	97
27) Carbon Disulfide	4.56	76	1217909	9.117 ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1741282	9.112 ppbv	98
29) Chloroform	5.77	83	1791341	10.148 ppbv	98
30) Cyclohexane	7.14	84	969739	9.821 ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1241908	10.164 ppbv	94
32) 1,1,1-Trichloroethane	6.53	97	1767638	9.705 ppbv	99
34) 2-Butanone	5.26	43	1793221	10.024 ppbv	100
35) Carbon Tetrachloride	7.03	117	1702159	10.824 ppbv	98
36) Benzene	6.91	78	2445023	10.698 ppbv	97
37) 1,2-Dichloroethane	6.32	62	1497749	11.309 ppbv	99
38) Trichloroethene	7.85	130	771780	9.034 ppbv	93
39) 1,2-Dichloropropane	7.63	63	972279	10.772 ppbv	99
40) 1,4-Dioxane	7.85	88	286188	10.081 ppbv #	1
41) Tetrahydrofuran	6.06	42	1108292	10.429 ppbv	99
42) Bromodichloromethane	7.81	83	1997824	11.321 ppbv	99
43) Methyl Methacrylate	8.03	69	1092592	11.143 ppbv	99

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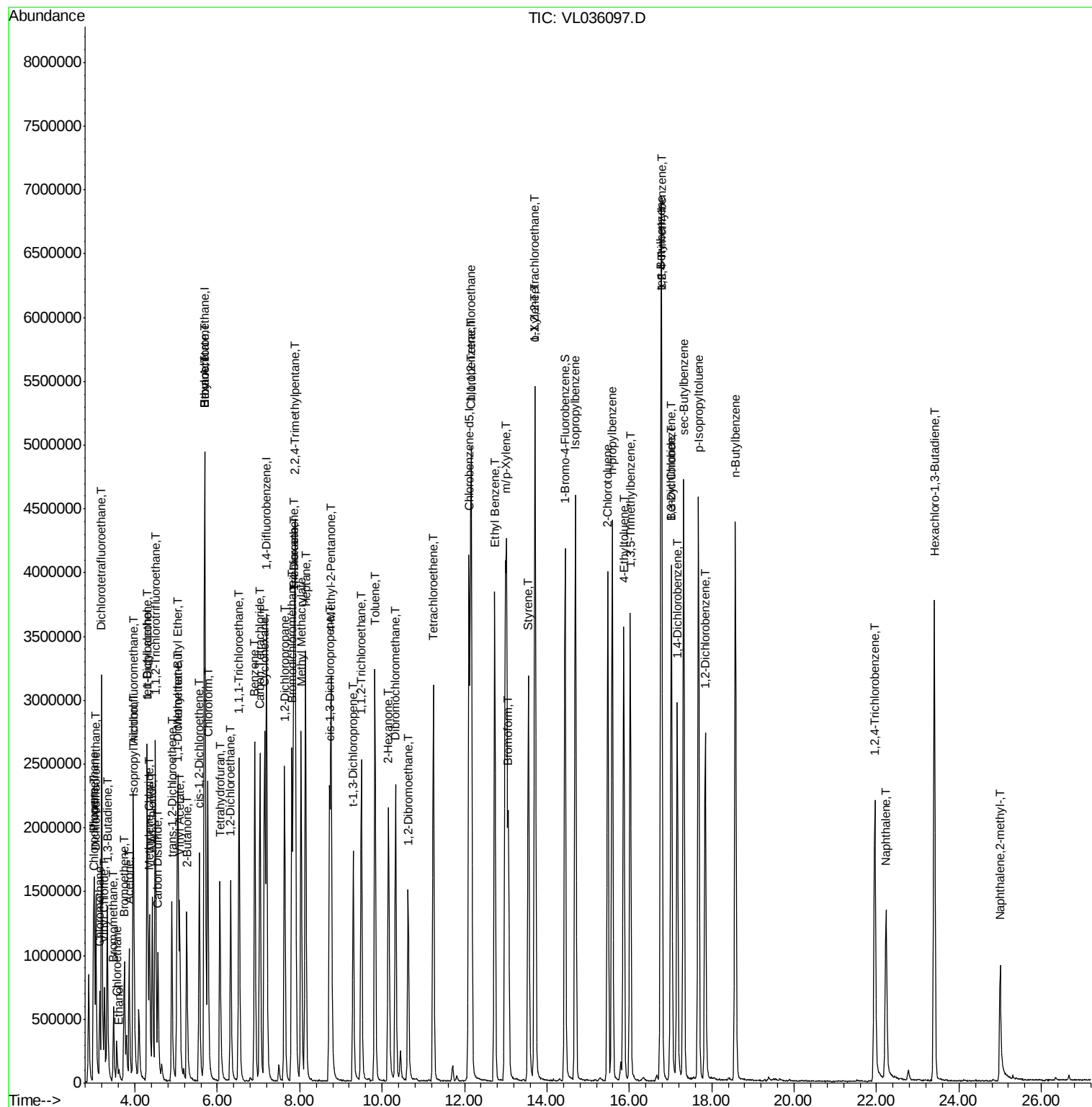
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4340874	10.488	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1138799	11.305	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	1375884	10.898	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	938346	10.806	ppbv	95
48) Dibromochloromethane	10.33	129	1419119	10.822	ppbv	99
49) Bromoform	13.07	173	1080458	10.469	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2891215	10.837	ppbv	99
51) 2-Hexanone	10.15	43	2279365	10.930	ppbv #	98
52) Tetrachloroethene	11.25	164	734167	8.874	ppbv	96
53) Toluene	9.82	91	2708484	10.554	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1350116	10.373	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1053907	8.172	ppbv	96
57) Chlorobenzene	12.17	112	1773067	8.120	ppbv	97
58) Ethyl Benzene	12.73	91	3649892	8.563	ppbv	97
59) m/p-Xylene	13.02	91	3693921	10.290	ppbv #	60
60) o-Xylene	13.72	91	2823260	8.347	ppbv	97
61) Styrene	13.55	104	1888351	8.696	ppbv	98
62) Isopropylbenzene	14.69	105	4045822	8.070	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	1840542	8.080	ppbv	99
64) n-propylbenzene	15.59	120	965172	8.002	ppbv	86
65) tert-Butylbenzene	16.77	119	3203536	7.806	ppbv	94
66) Benzyl Chloride	17.01	91	776578	7.600	ppbv	97
67) sec-Butylbenzene	17.32	105	4591392	7.994	ppbv	98
69) p-Isopropyltoluene	17.68	119	3603331	7.888	ppbv	98
70) n-Butylbenzene	18.58	91	3853143	8.534	ppbv	99
71) 2-Chlorotoluene	15.48	91	3212744	8.477	ppbv	96
72) 4-Ethyltoluene	15.86	105	3129817	8.542	ppbv	97
73) 1,3,5-Trimethylbenzene	16.02	105	2862592	8.180	ppbv	93
74) 1,2,4-Trimethylbenzene	16.79	105	2844848	8.099	ppbv	97
75) 1,3-Dichlorobenzene	17.02	146	1385837	7.882	ppbv	98
76) 1,4-Dichlorobenzene	17.16	146	1381072	7.715	ppbv	97
77) 1,2-Dichlorobenzene	17.84	146	1317255	7.846	ppbv	97
78) Hexachloro-1,3-Butadiene	23.40	225	974626	7.243	ppbv	100
79) Naphthalene	22.23	128	1705784	9.553	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	709747	17.776	ppbv	98
81) 1,2,4-Trichlorobenzene	21.96	180	1022249	8.569	ppbv #	100

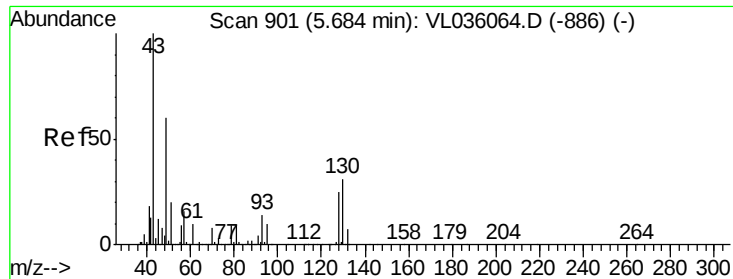
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

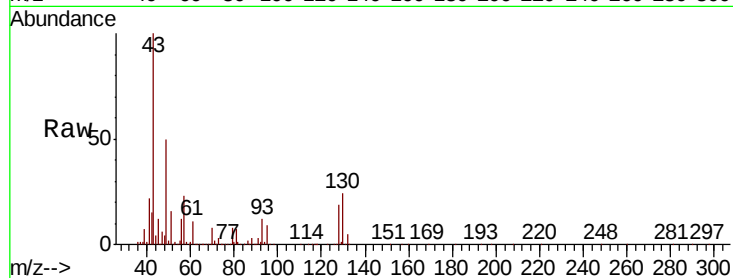
Tot Ion: 49 Resp: 1243933

Ion Ratio Lower Upper

49 100

128 38.2 21.1 63.1

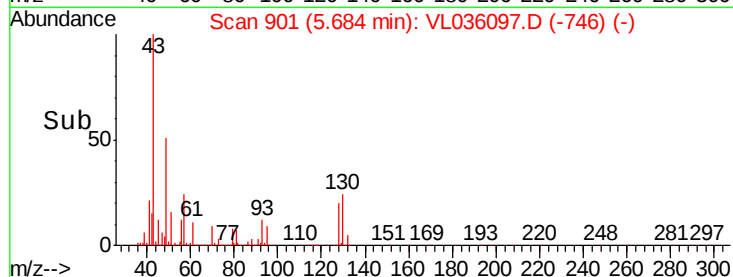
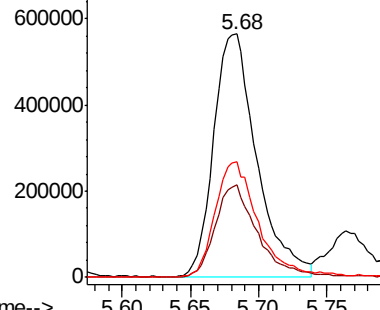
130 48.4 27.1 81.3



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: 8.091 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL036097.D

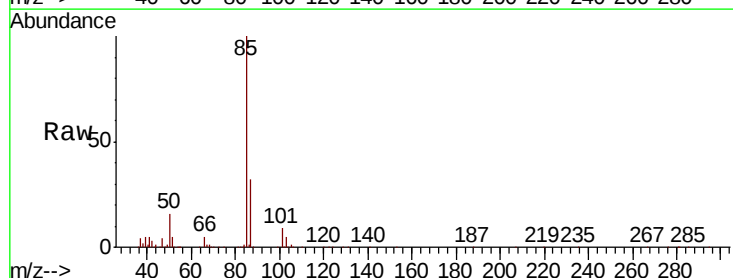
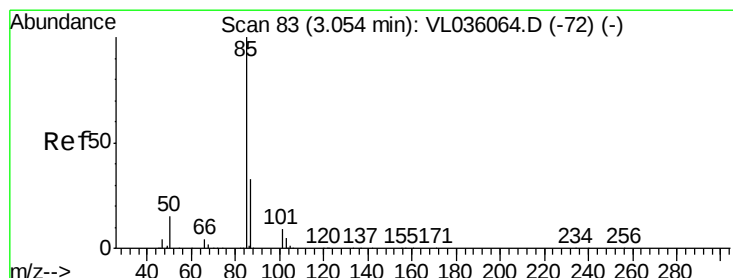
Acq: 8 Dec 2020 15:07

Tgt Ion: 85 Resp: 1172968

Ion Ratio Lower Upper

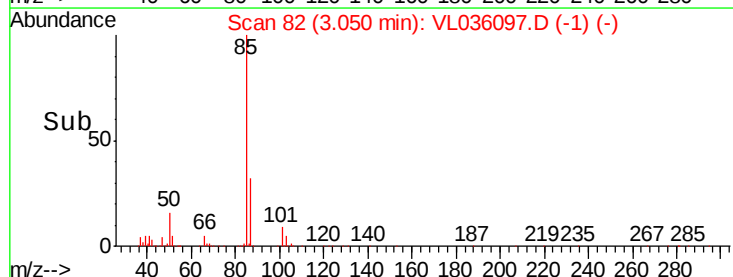
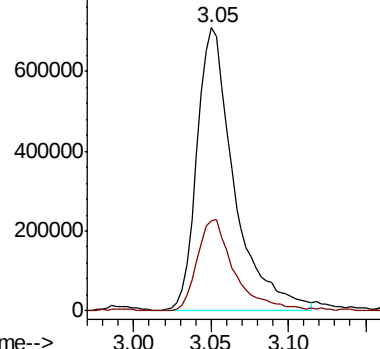
85 100

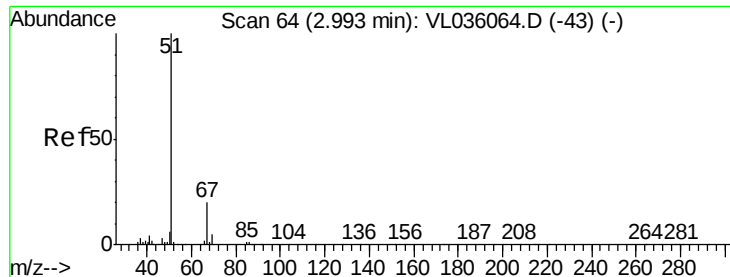
87 32.0 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.380 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

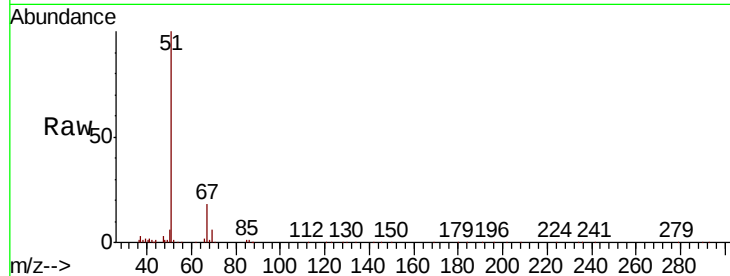
VSTDCCC010

Tot Ion: 51 Resp: 1473236

Ion Ratio Lower Upper

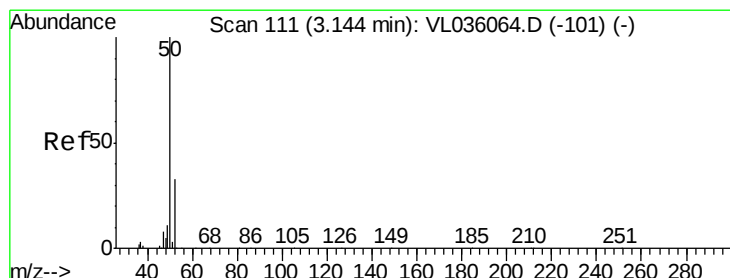
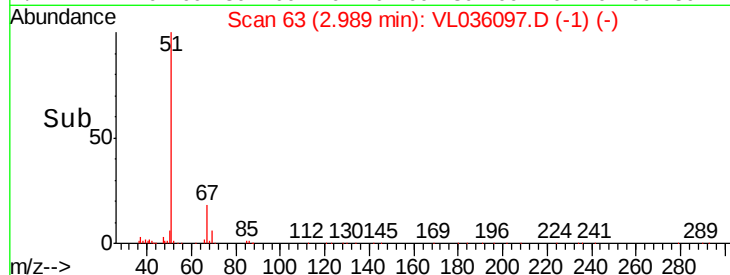
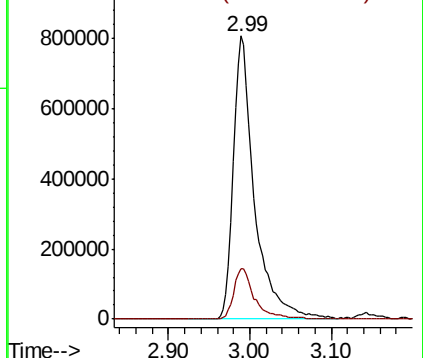
51 100

67 17.9 14.3 21.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.082 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL036097.D

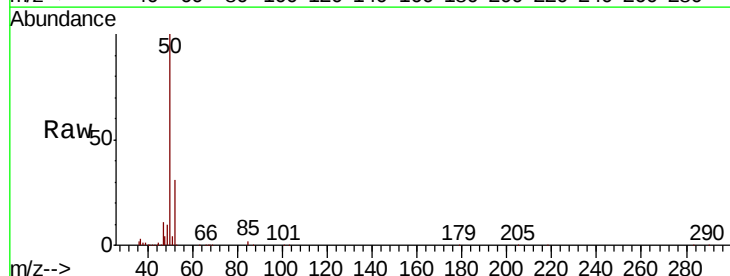
Acq: 8 Dec 2020 15:07

Tgt Ion: 50 Resp: 702511

Ion Ratio Lower Upper

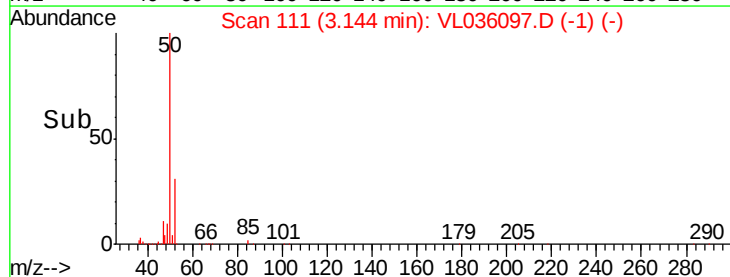
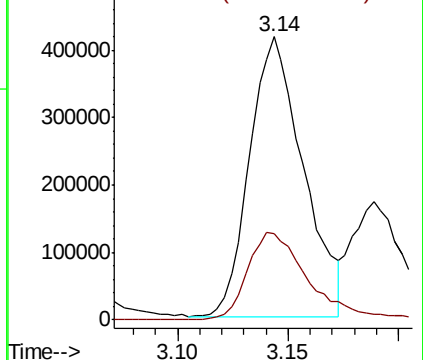
50 100

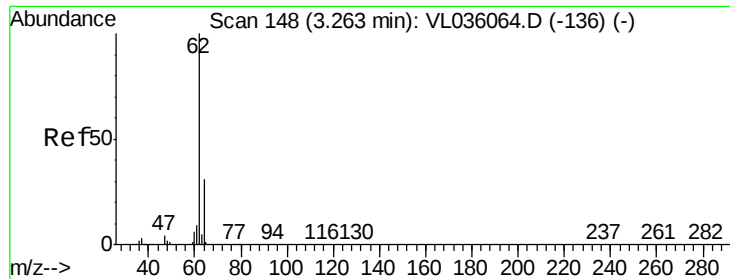
52 31.0 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.054 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

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ClientSampleId :

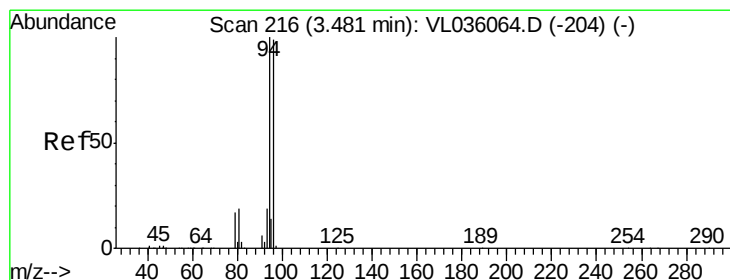
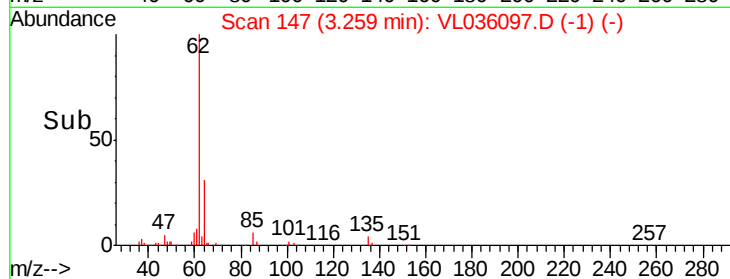
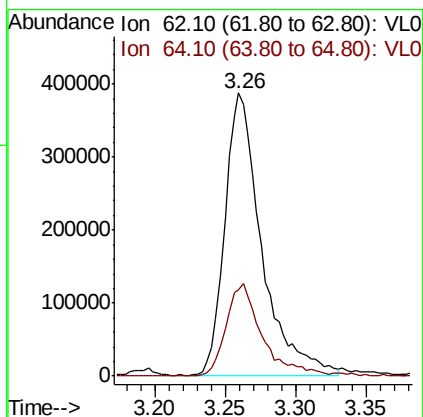
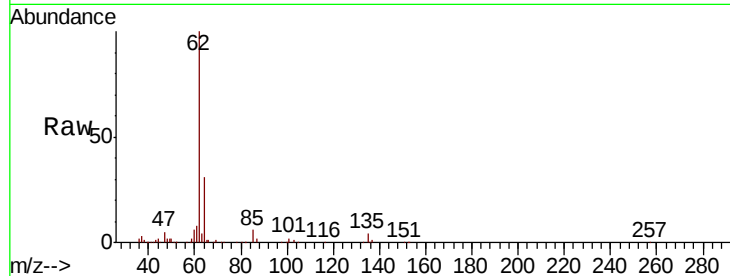
VSTDCCC010

Tot Ion: 62 Resp: 701895

Ion Ratio Lower Upper

62 100

64 30.6 24.5 36.7



#6

Bromomethane

Concen: 9.529 ppbv

RT: 3.47 min Scan# 214

Delta R.T. -0.01 min

Lab File: VL036097.D

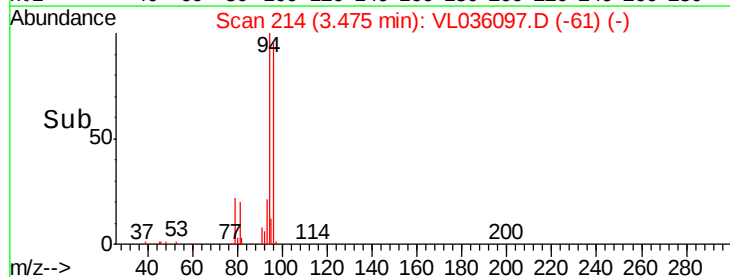
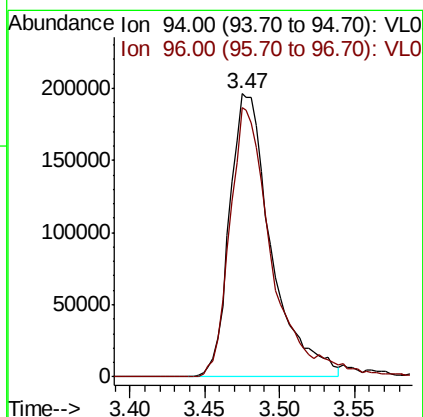
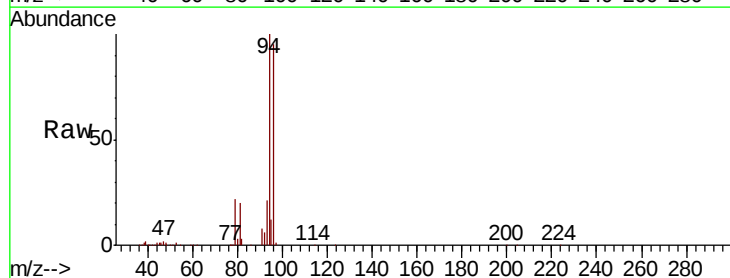
Acq: 8 Dec 2020 15:07

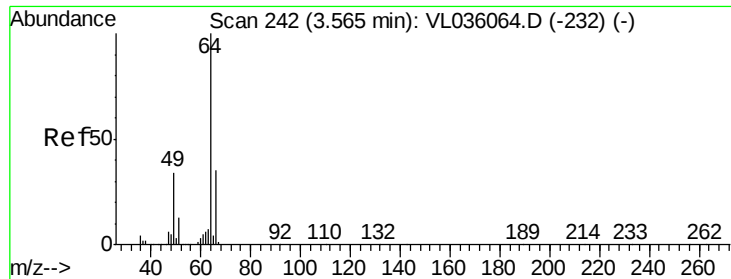
Tgt Ion: 94 Resp: 381140

Ion Ratio Lower Upper

94 100

96 95.3 79.4 119.0





#7

Chloroethane

Concen: 9.442 ppbv

RT: 3.56 min Scan# 242

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

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ClientSampleId :

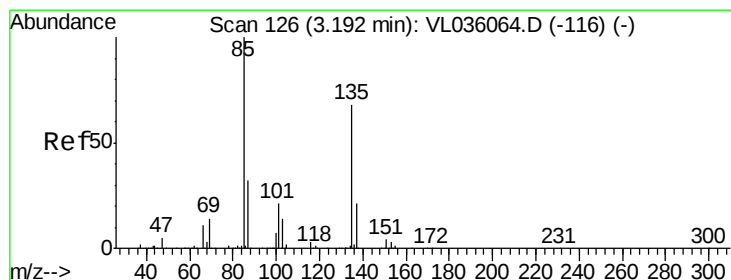
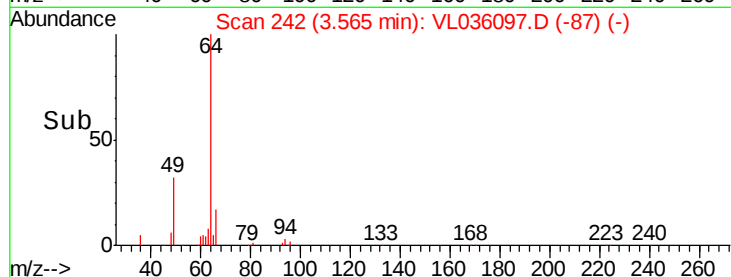
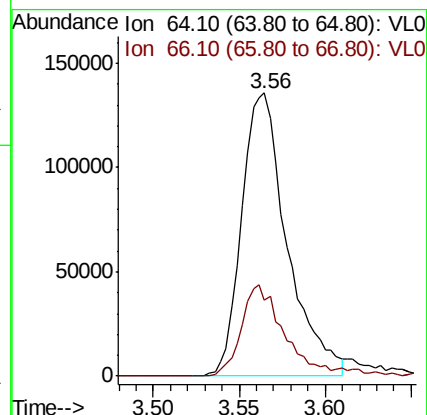
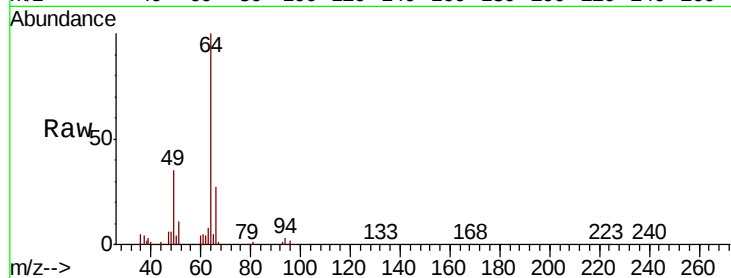
VSTDCCC010

Tot Ion: 64 Resp: 249343

Ion Ratio Lower Upper

64 100

66 26.7 27.7 41.5#



#8

Dichlorotetrafluoroethane

Concen: 9.758 ppbv

RT: 3.19 min Scan# 125

Delta R.T. -0.00 min

Lab File: VL036097.D

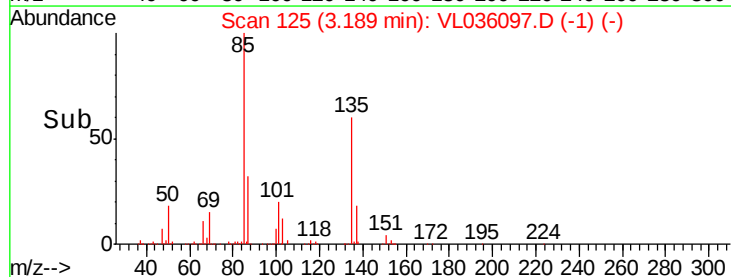
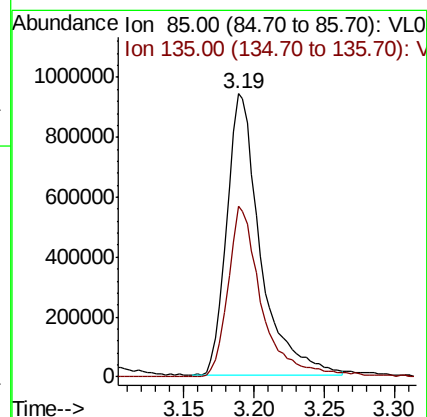
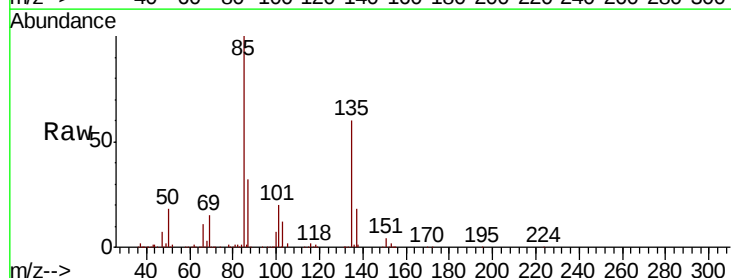
Acq: 8 Dec 2020 15:07

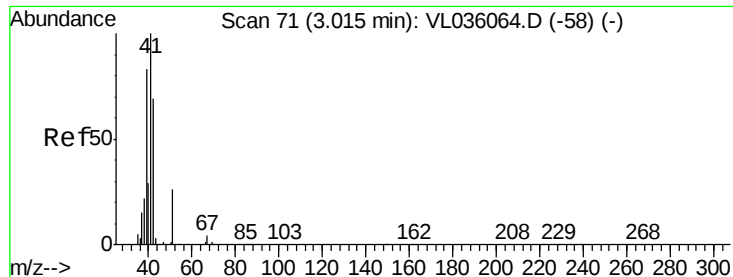
Tgt Ion: 85 Resp: 1572151

Ion Ratio Lower Upper

85 100

135 61.4 53.8 80.8





#9

Propene

Concen: 9.831 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

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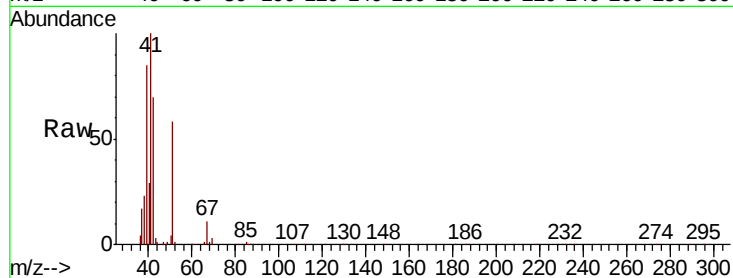
VSTDCCC010

Tot Ion: 41 Resp: 698939

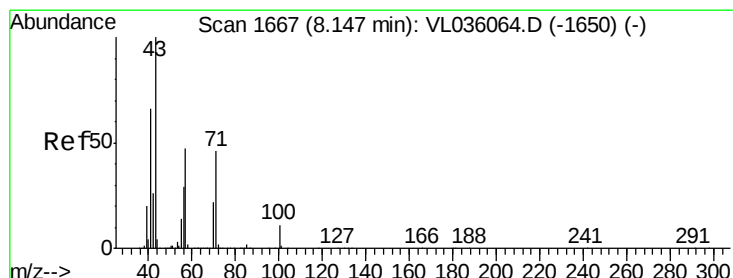
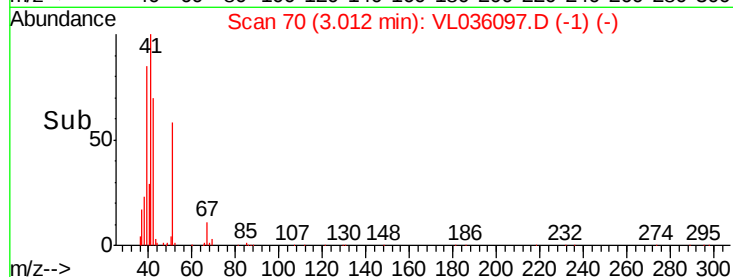
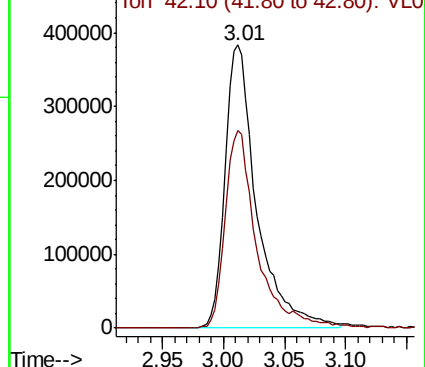
Ion Ratio Lower Upper

41 100

42 70.4 57.0 85.6



Abundance Ion 41.10 (40.80 to 41.80): VL0



#10

Heptane

Concen: 9.962 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. -0.01 min

Lab File: VL036097.D

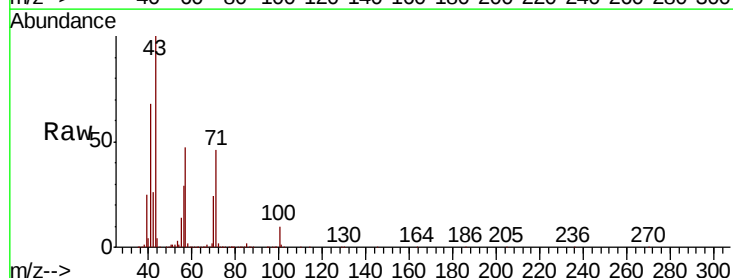
Acq: 8 Dec 2020 15:07

Tgt Ion: 43 Resp: 1808959

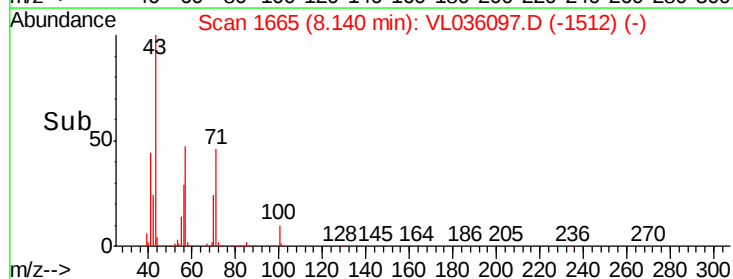
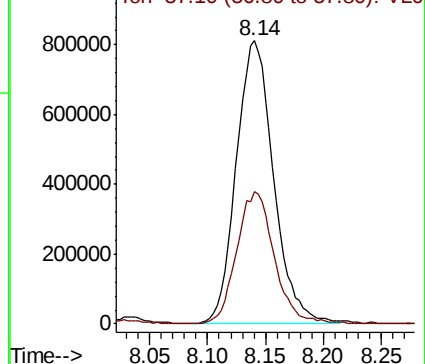
Ion Ratio Lower Upper

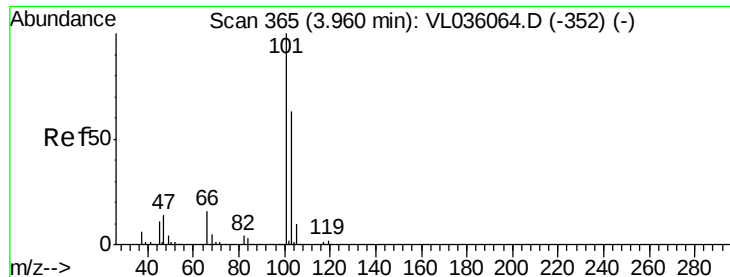
43 100

57 47.5 37.9 56.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

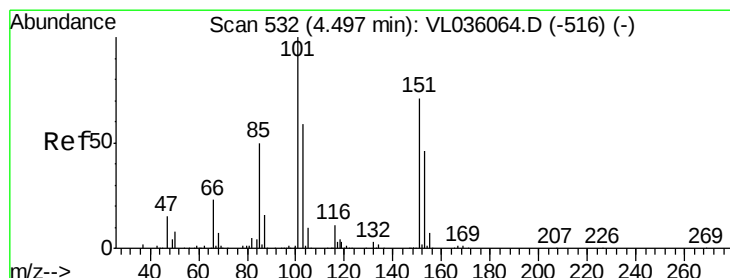
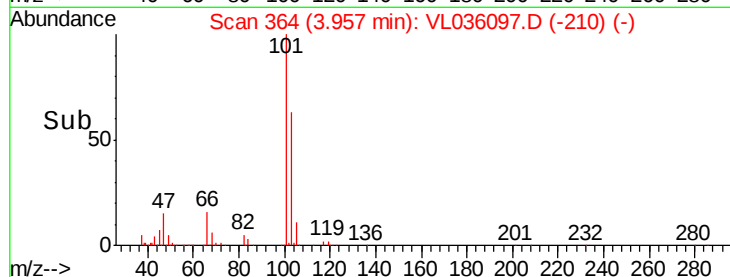
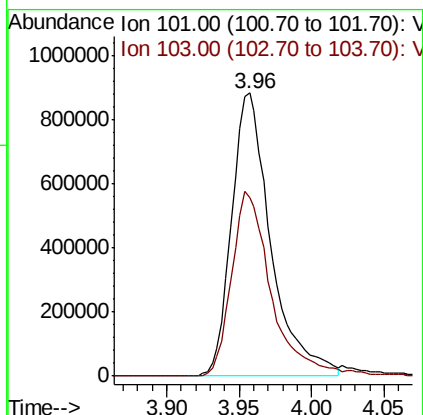
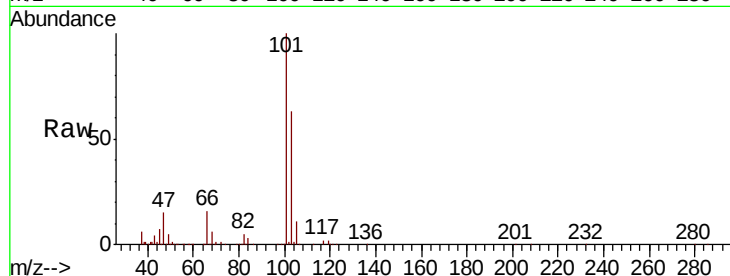




#11
 Trichlorofluoromethane
 Concen: 9.781 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

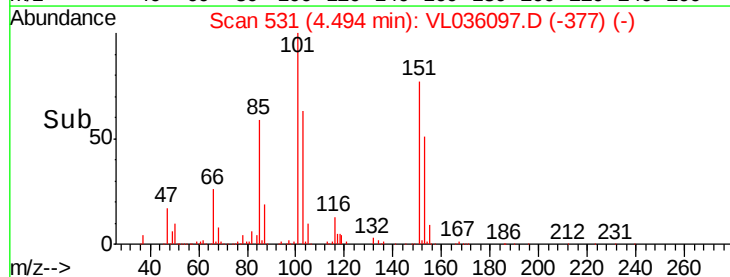
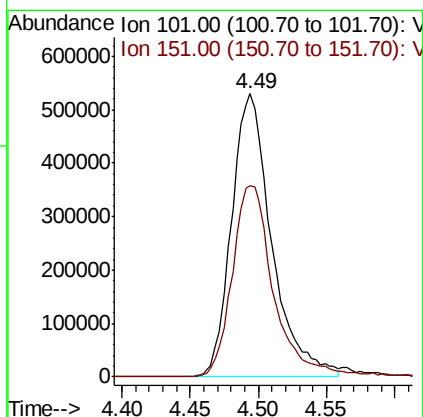
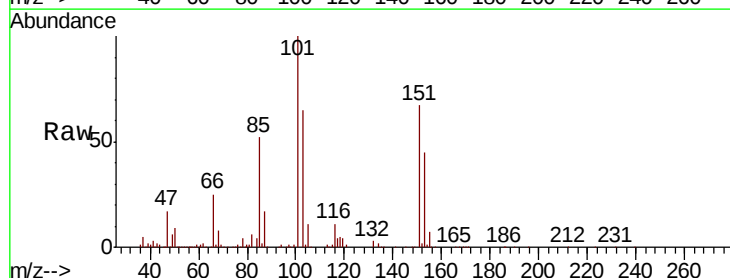
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

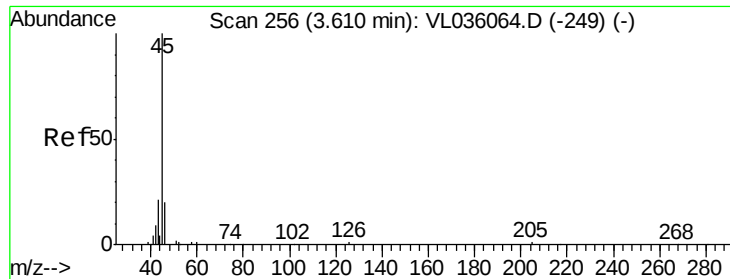
Tot Ion:101 Resp: 1667097
 Ion Ratio Lower Upper
 101 100
 103 63.1 50.3 75.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.365 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Tgt Ion:101 Resp: 1083961
 Ion Ratio Lower Upper
 101 100
 151 70.4 59.3 88.9





#13

Ethanol

Concen: 10.109 ppbv

RT: 3.61 min Scan# 256

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

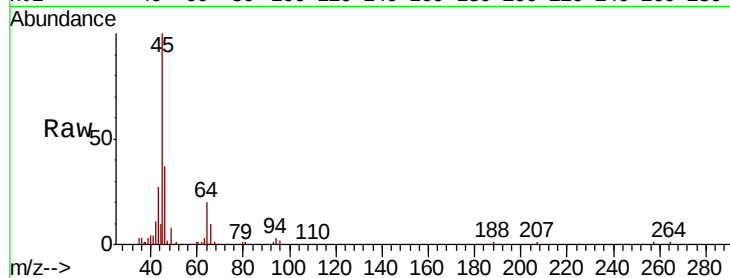
VSTDCCC010

Tot Ion: 45 Resp: 99077

Ion Ratio Lower Upper

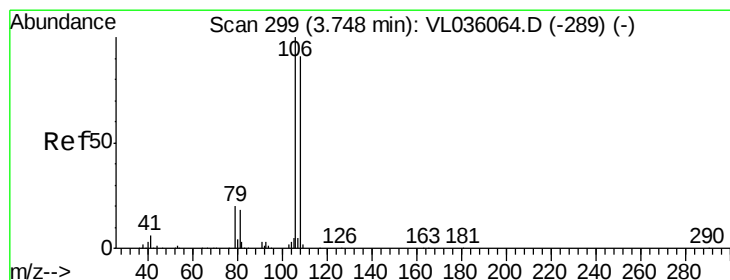
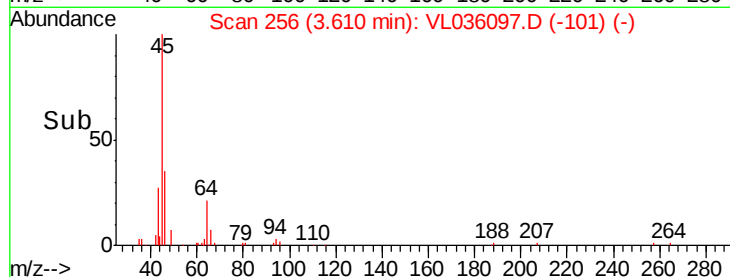
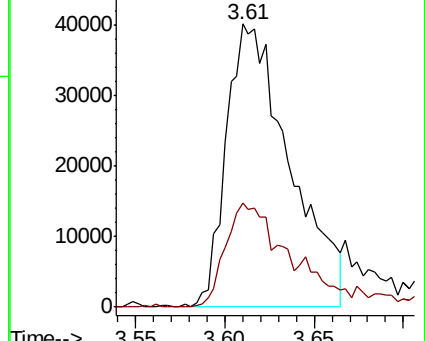
45 100

46 38.2 19.0 75.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.735 ppbv

RT: 3.74 min Scan# 298

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

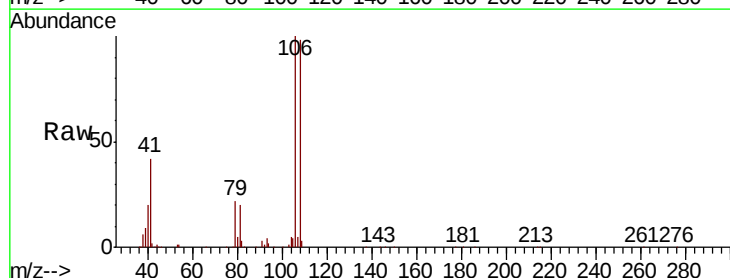
Tgt Ion: 108 Resp: 462295

Ion Ratio Lower Upper

108 100

106 111.0 91.0 136.4

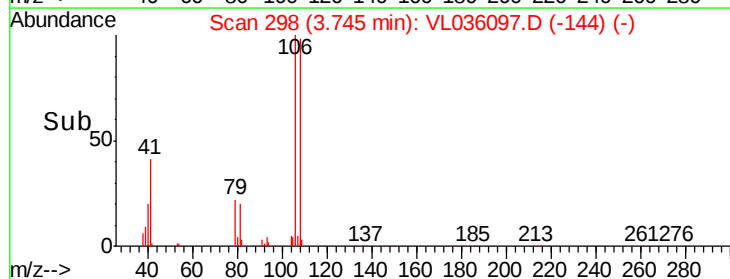
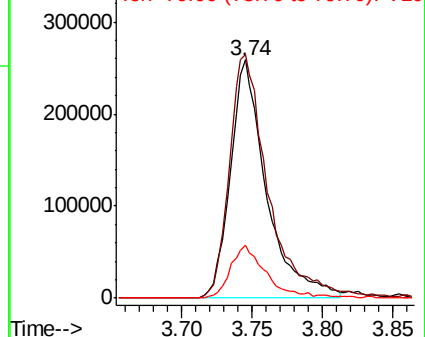
79 22.5 19.3 28.9

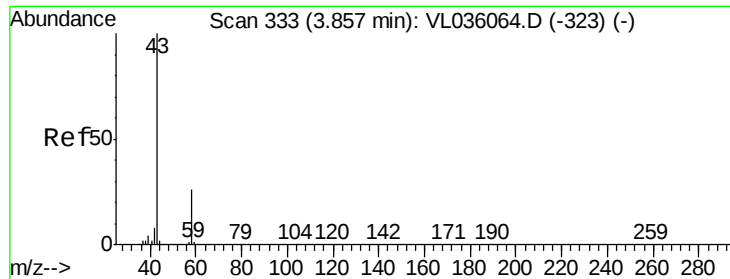


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.809 ppbv

RT: 3.86 min Scan# 333

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

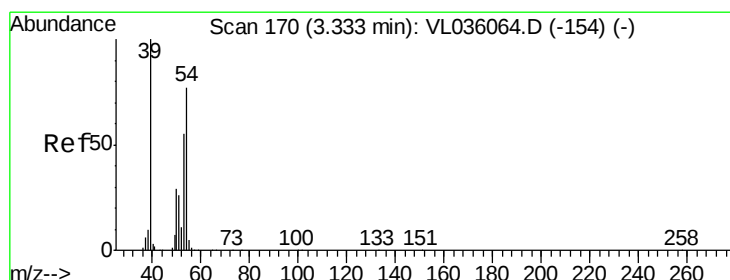
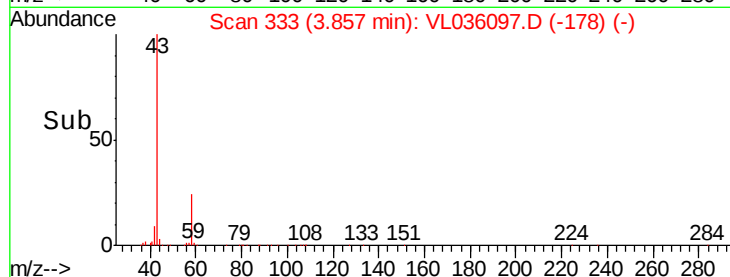
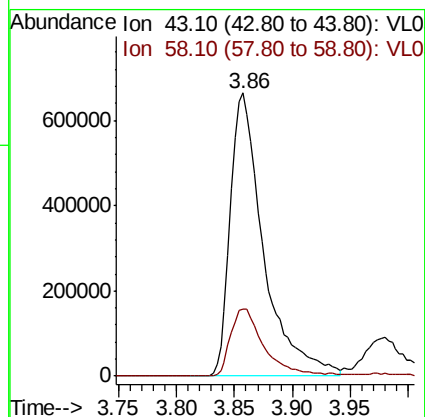
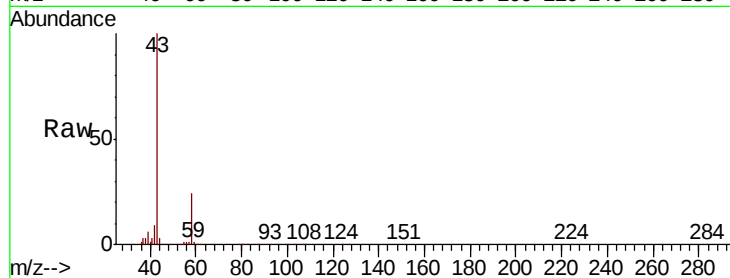
VSTDCCC010

Tot Ion: 43 Resp: 1316918

Ion Ratio Lower Upper

43 100

58 25.8 20.9 31.3



#16

1,3-Butadiene

Concen: 9.243 ppbv

RT: 3.33 min Scan# 169

Delta R.T. -0.00 min

Lab File: VL036097.D

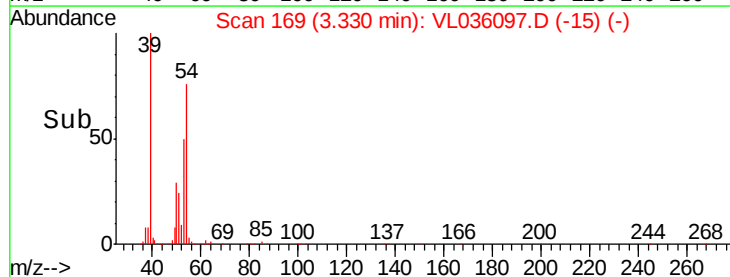
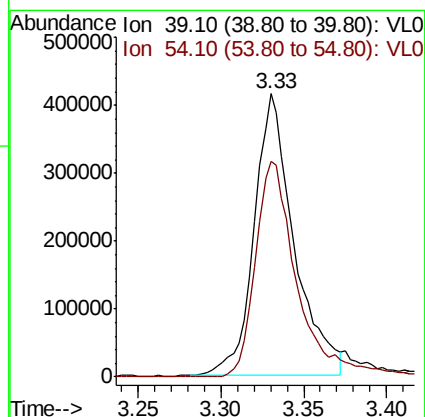
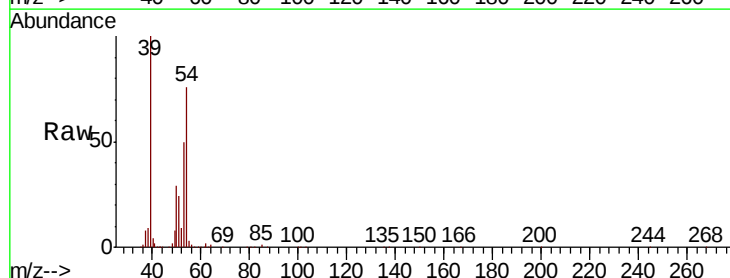
Acq: 8 Dec 2020 15:07

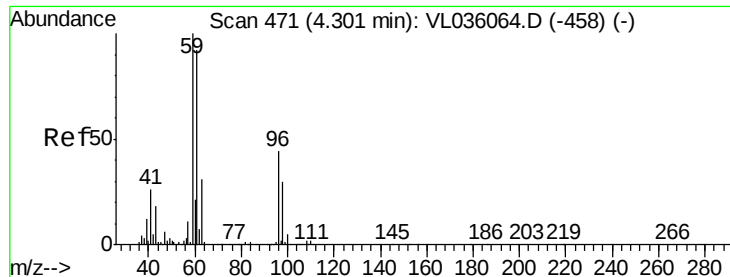
Tgt Ion: 39 Resp: 695955

Ion Ratio Lower Upper

39 100

54 80.9 62.1 93.1





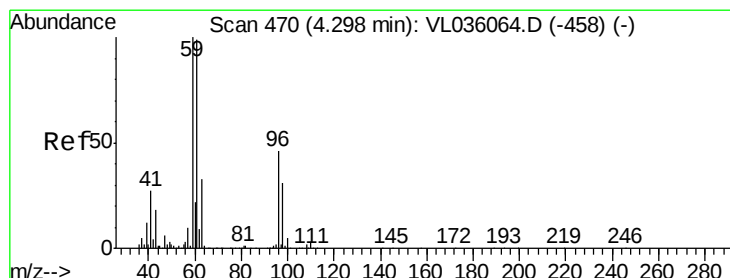
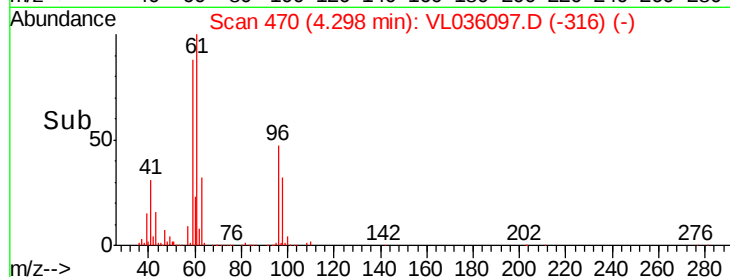
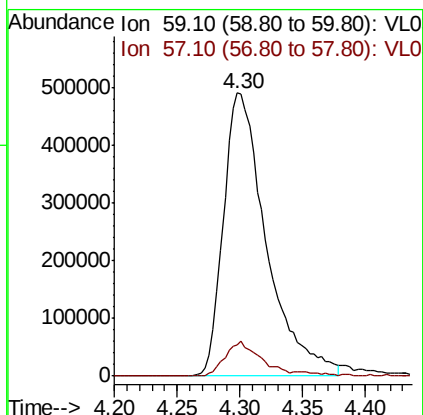
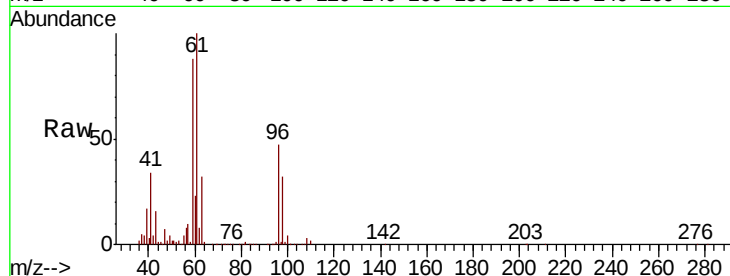
#17

tert-Butyl alcohol
Concen: 8.052 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1166029

Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.7	13.1

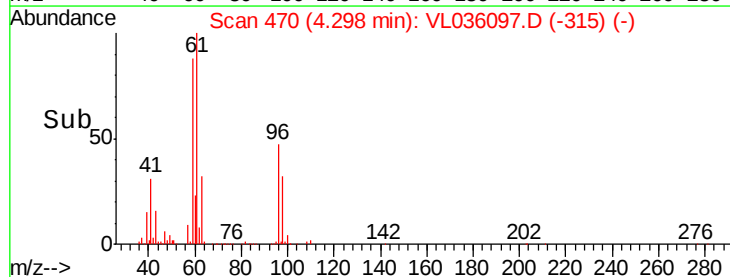
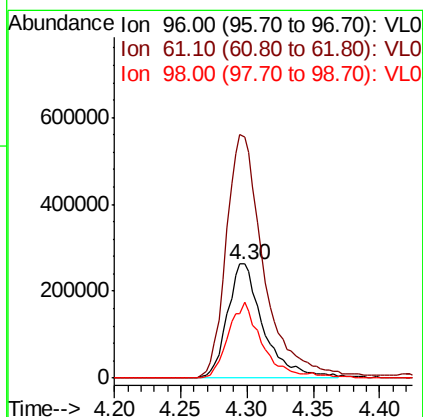
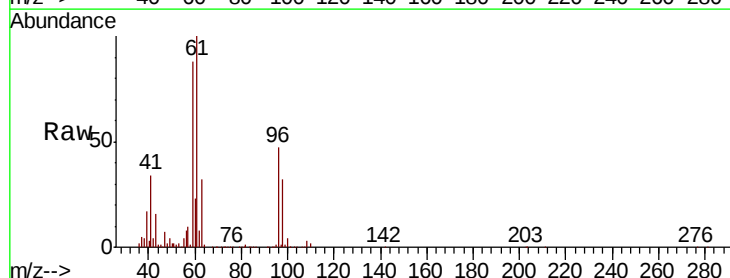


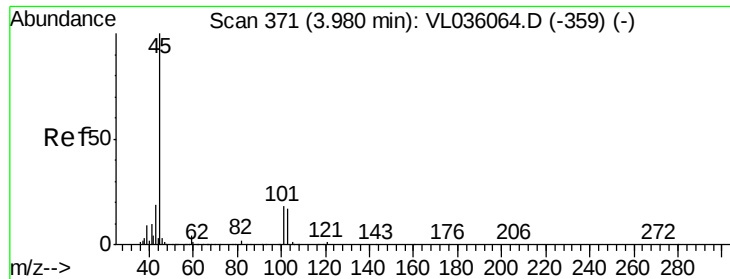
#18

1,1-Dichloroethene
Concen: 9.670 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion: 96 Resp: 496983

Ion	Ratio	Lower	Upper
96	100		
61	211.1	171.4	257.2
98	67.0	54.2	81.2





#19

Isopropyl Alcohol

Concen: 8.018 ppbv

RT: 3.98 min Scan# 370

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

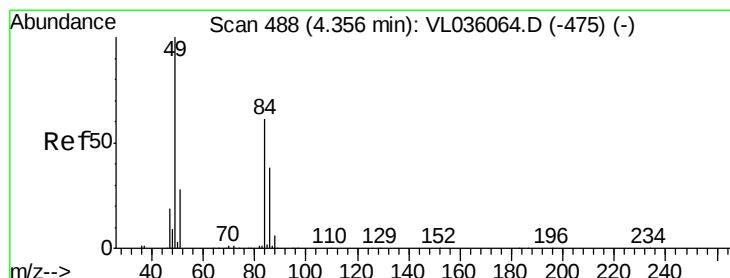
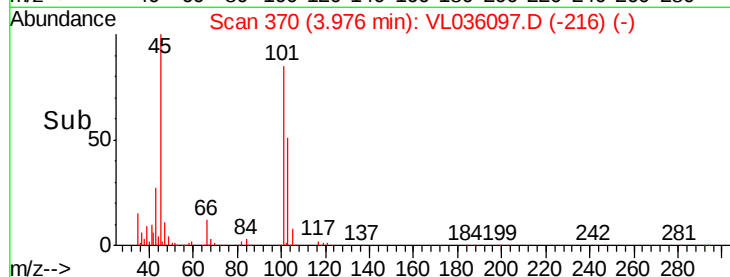
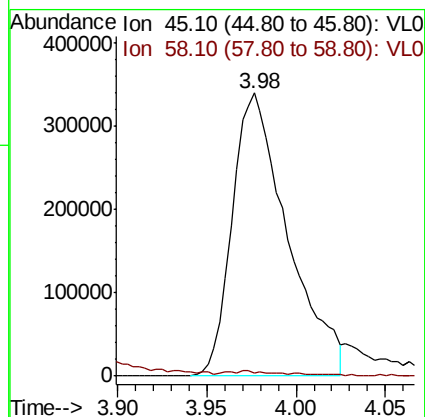
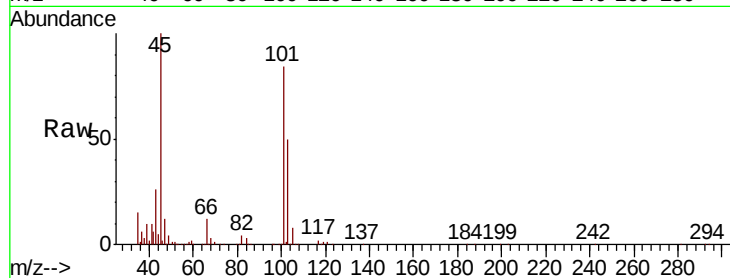
VSTDCCC010

Tot Ion: 45 Resp: 732622

Ion Ratio Lower Upper

45 100

58 1.8 0.0 0.0#



#20

Methylene Chloride

Concen: 7.178 ppbv

RT: 4.35 min Scan# 486

Delta R.T. -0.01 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Tgt Ion: 84 Resp: 439722

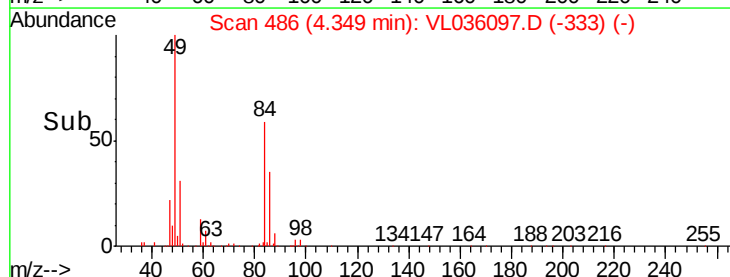
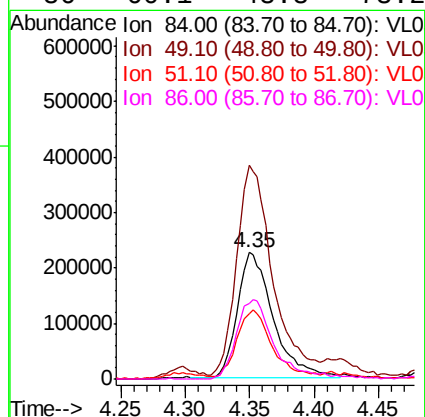
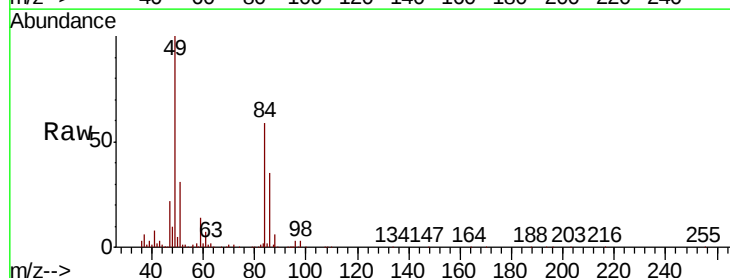
Ion Ratio Lower Upper

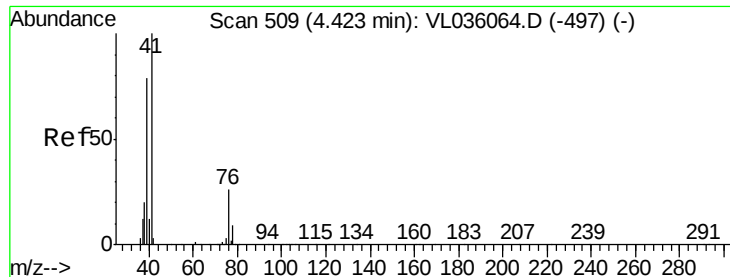
84 100

49 163.6 133.0 199.4

51 49.0 38.9 58.3

86 60.1 48.8 73.2

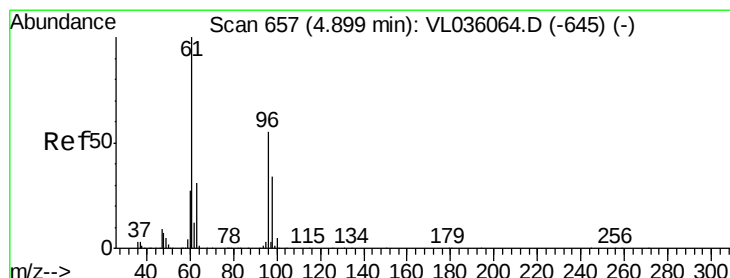
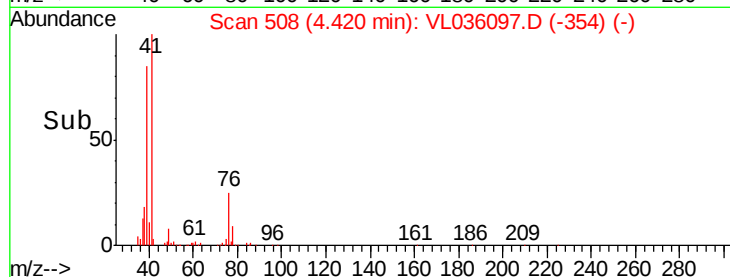
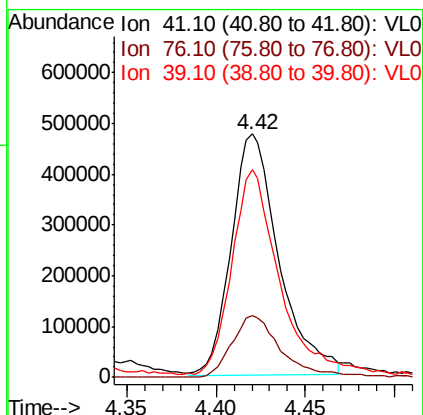
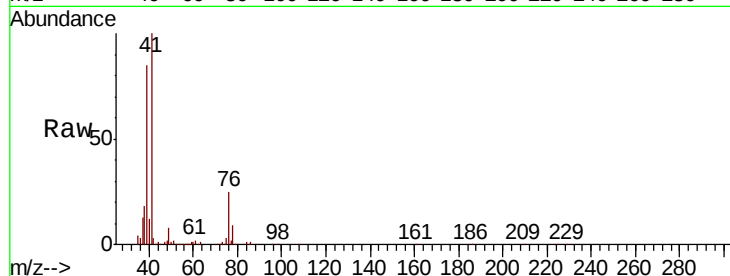




#21
Allvl Chloride
Concen: 8.874 ppbv
RT: 4.42 min Scan# 508
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

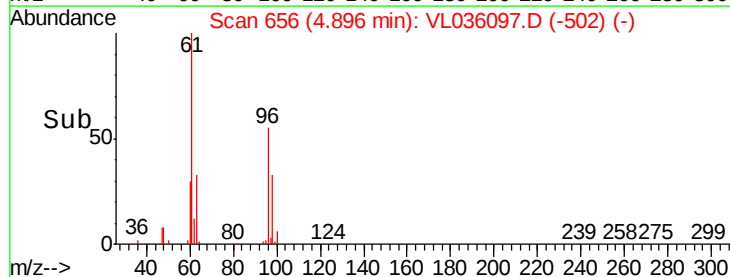
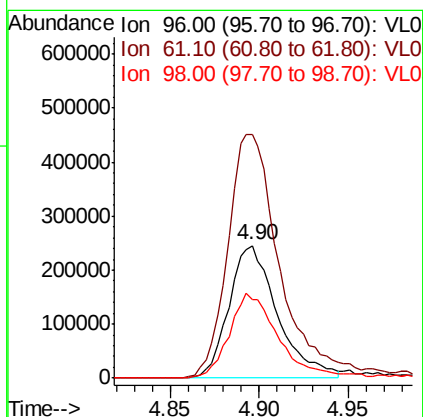
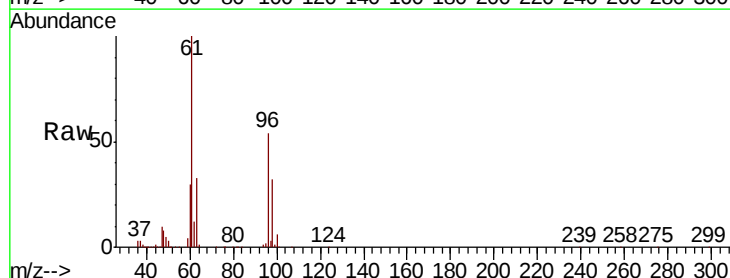
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

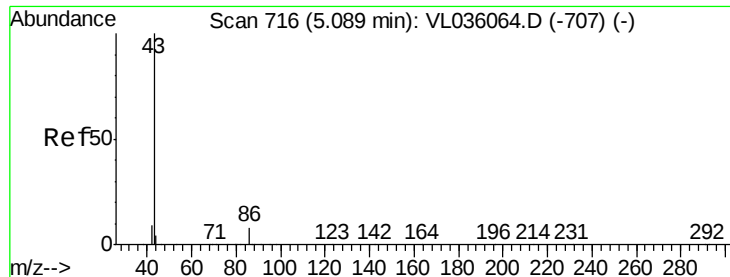
Tot Ion: 41 Resp: 882106
Ion Ratio Lower Upper
41 100
76 26.7 21.0 31.4
39 88.1 66.0 99.0



#22
trans-1,2-Dichloroethene
Concen: 9.022 ppbv
RT: 4.90 min Scan# 656
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion: 96 Resp: 464219
Ion Ratio Lower Upper
96 100
61 182.7 145.7 218.5
98 59.6 49.2 73.8



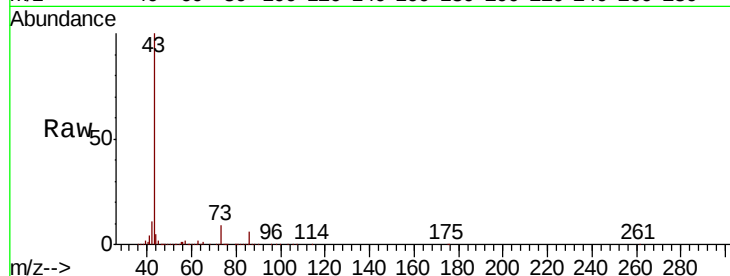


#23
 Vinyl Acetate
 Concen: 8.957 ppbv
 RT: 5.09 min Scan# 715
 Delta R.T. -0.00 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

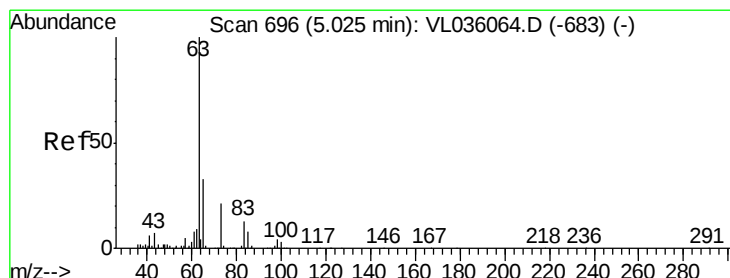
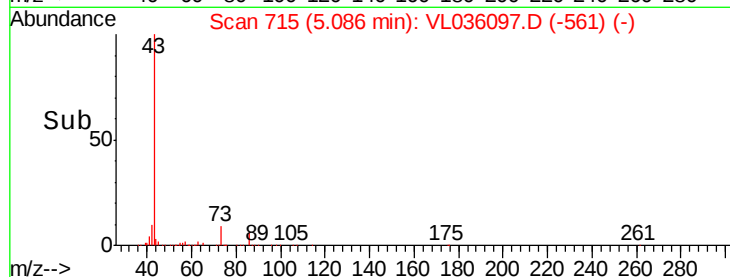
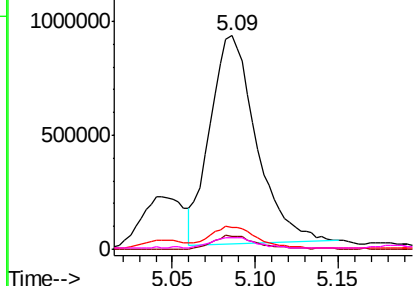
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 43 Resp: 1782854

Ion	Ratio	Lower	Upper
43	100		
86	6.1	5.0	7.4
42	10.3	7.8	11.6
44	5.2	3.2	4.8



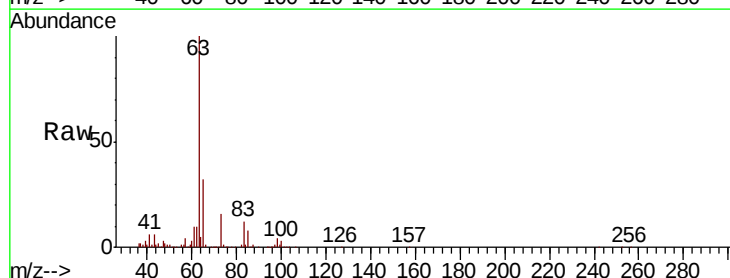
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



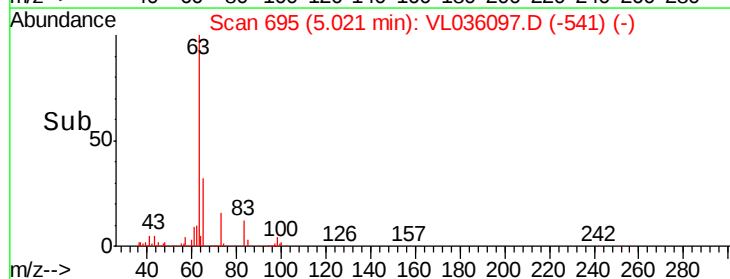
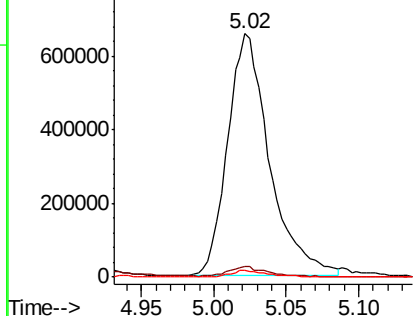
#24
 1,1-Dichloroethane
 Concen: 9.425 ppbv
 RT: 5.02 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

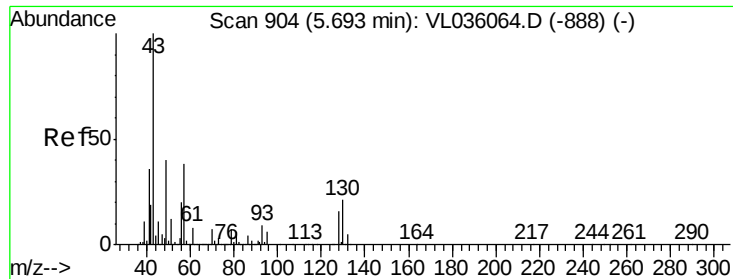
Tgt Ion: 63 Resp: 1319495

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.2	6.6
100	2.5	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



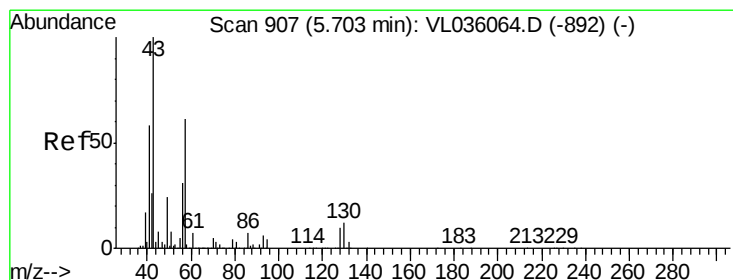
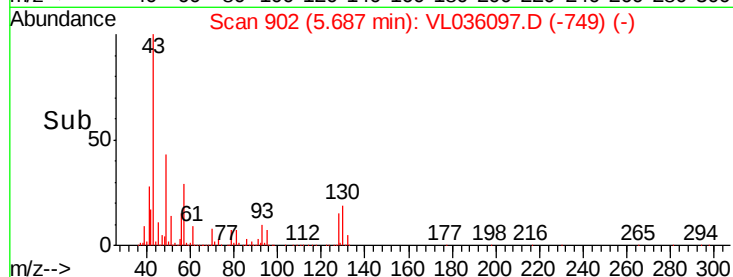
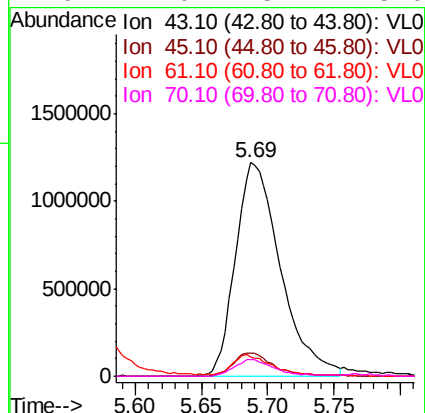
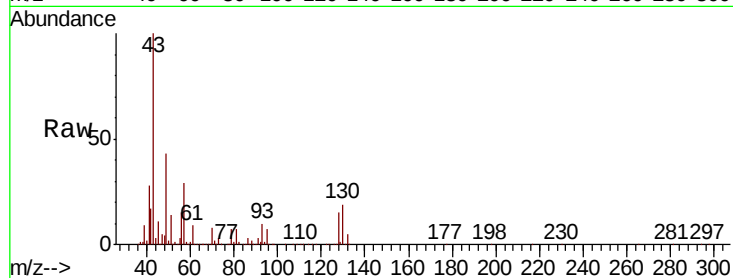


#25
Ethyl Acetate
Concen: 9.666 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2886959

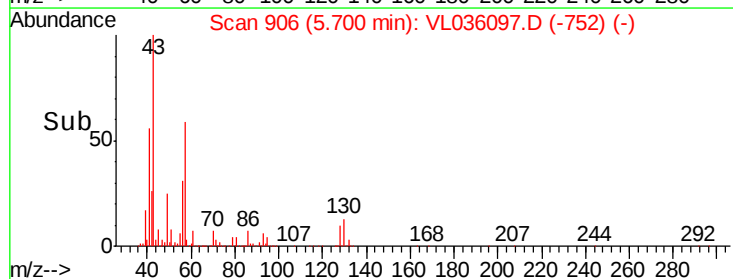
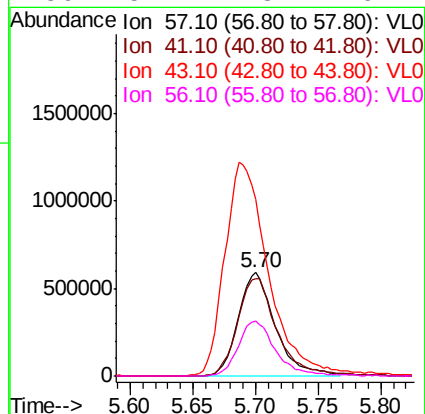
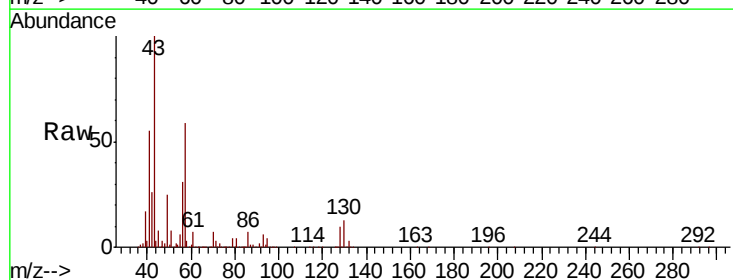
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.4
61	9.7	7.4	11.2
70	7.0	5.4	8.0

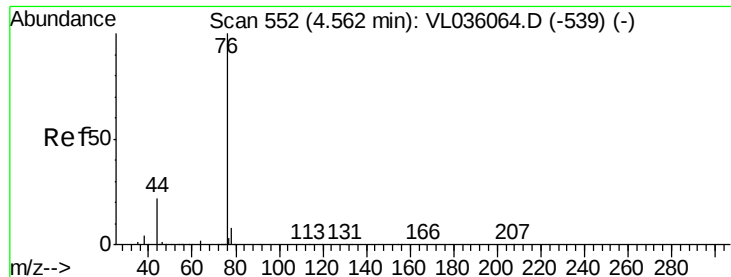


#26
Hexane
Concen: 9.052 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion: 57 Resp: 1216753

Ion	Ratio	Lower	Upper
57	100		
41	102.1	82.9	124.3
43	243.9	199.9	299.9
56	54.2	43.1	64.7





#27

Carbon Disulfide

Concen: 9.117 ppbv

RT: 4.56 min Scan# 551

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

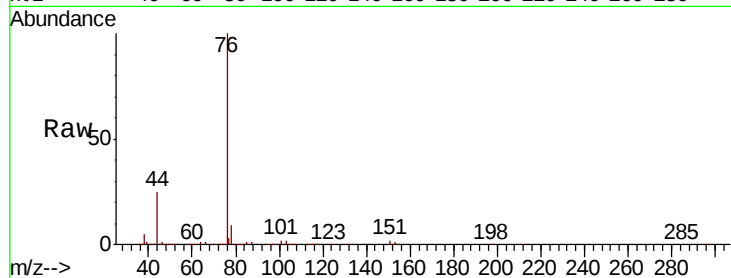
Tot Ion: 76 Resp: 1217909

Ion Ratio Lower Upper

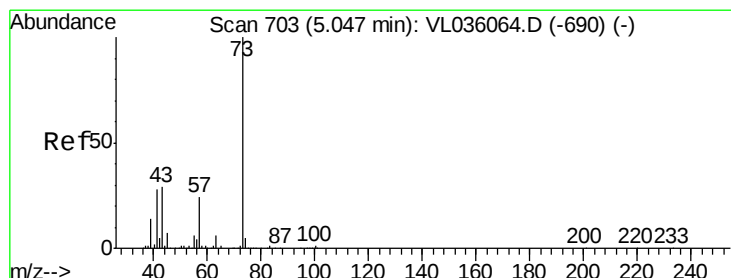
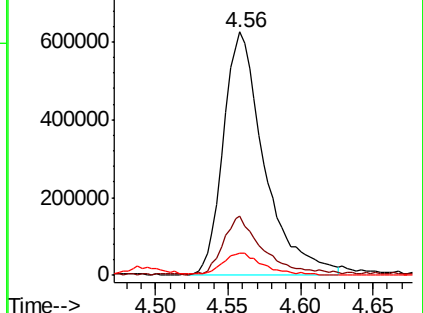
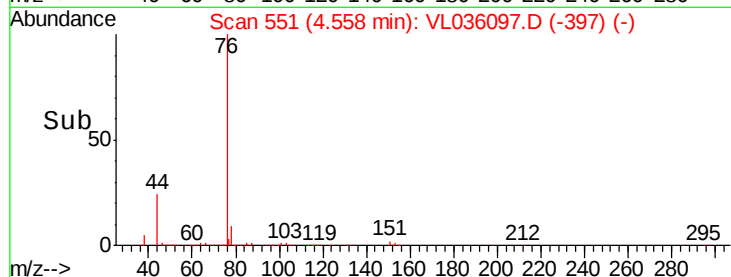
76 100

44 23.8 17.9 26.9

78 9.6 7.8 11.8



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: 9.112 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.00 min

Lab File: VL036097.D

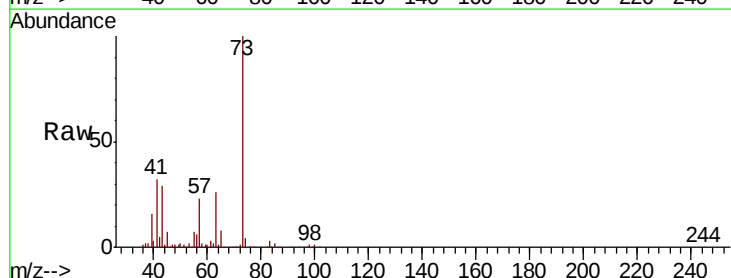
Acq: 8 Dec 2020 15:07

Tgt Ion: 73 Resp: 1741282

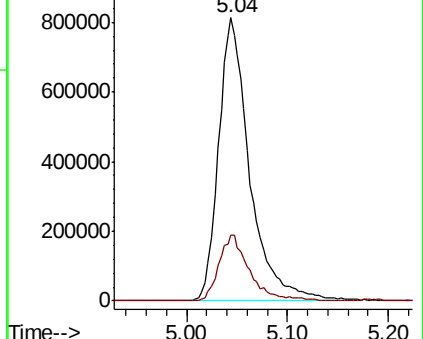
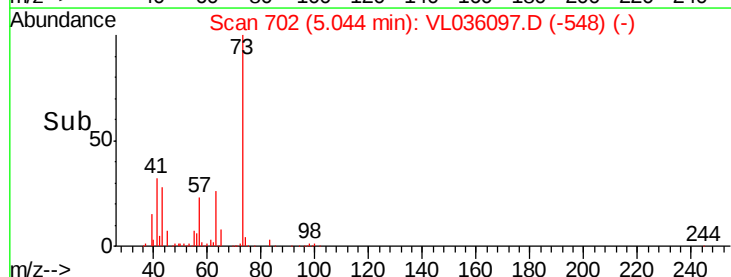
Ion Ratio Lower Upper

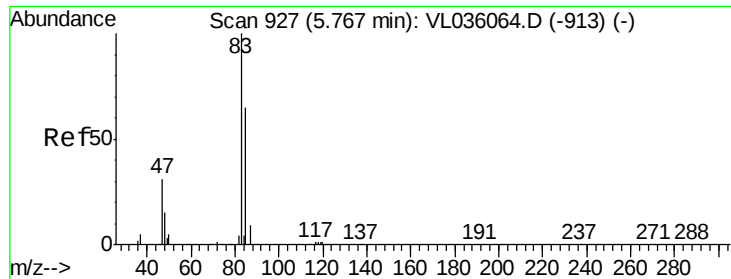
73 100

57 23.1 19.2 28.8



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

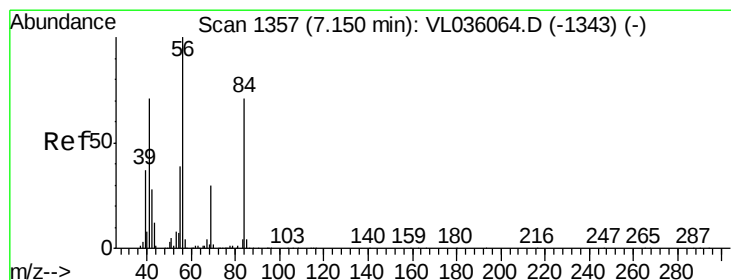
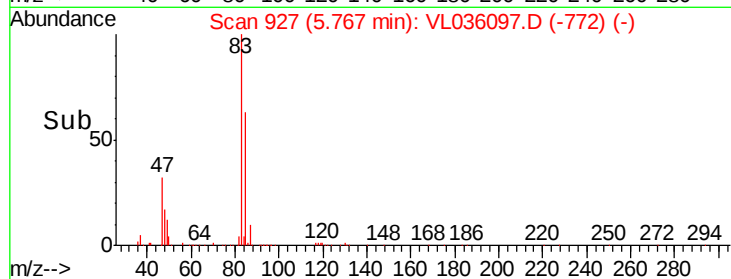
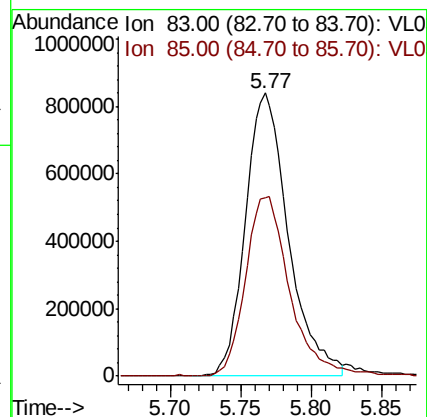
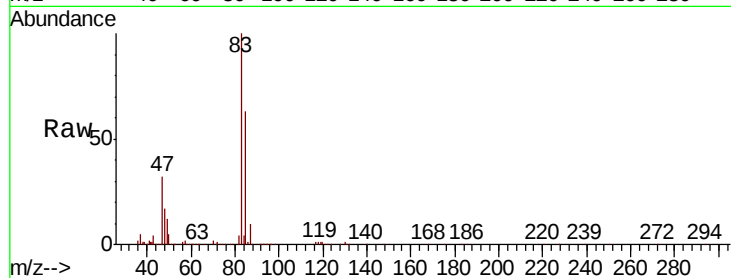




#29
Chloroform
Concen: 10.148 ppbv
RT: 5.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

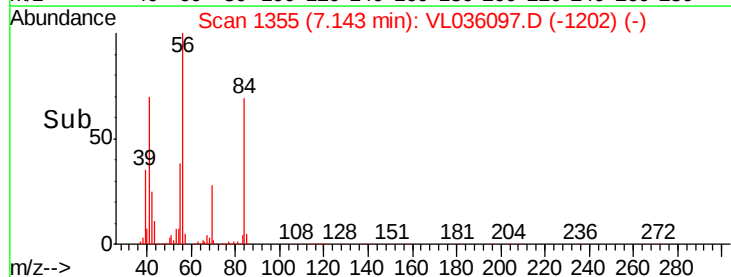
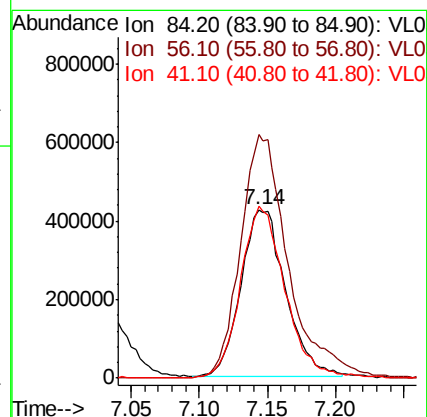
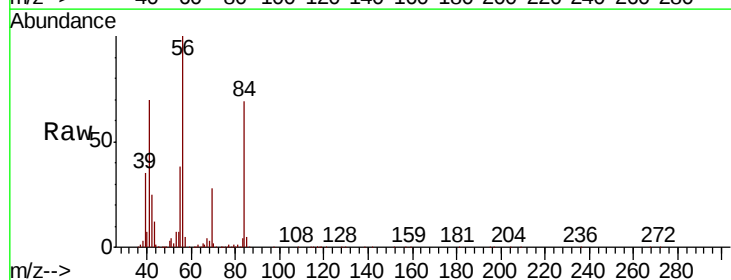
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

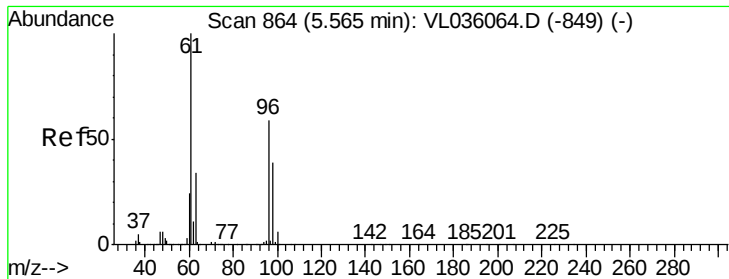
Tot Ion: 83 Resp: 1791341
Ion Ratio Lower Upper
83 100
85 63.1 51.8 77.6



#30
Cyclohexane
Concen: 9.821 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion: 84 Resp: 969739
Ion Ratio Lower Upper
84 100
56 156.7 128.0 192.0
41 103.1 81.3 121.9



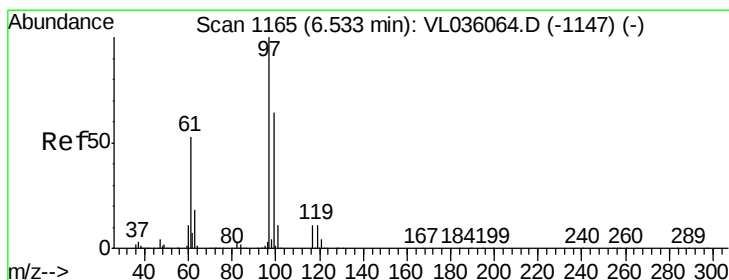
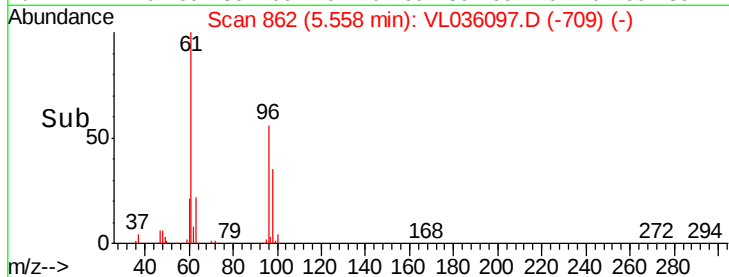
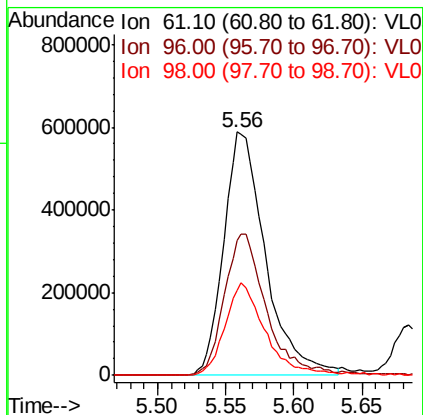
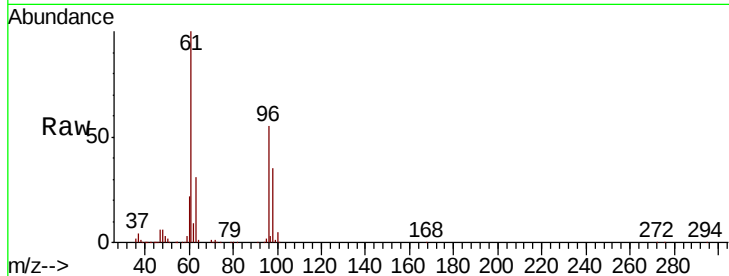


#31

cis-1,2-Dichloroethene
 Concen: 10.164 ppbv
 RT: 5.56 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

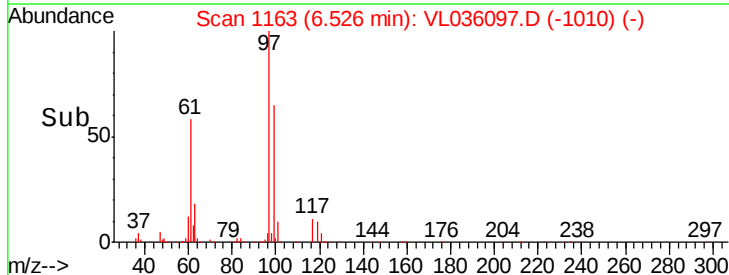
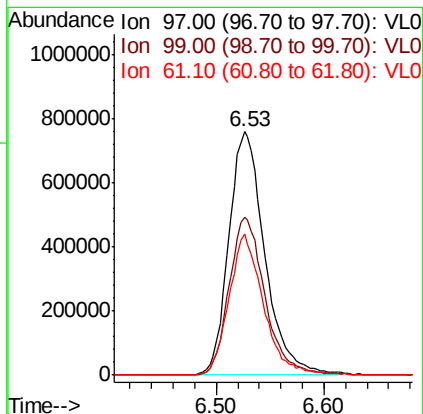
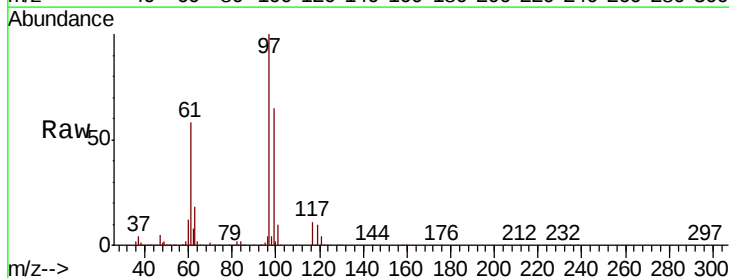
Tot Ion: 61 Resp: 1241908
 Ion Ratio Lower Upper
 61 100
 96 55.4 47.3 70.9
 98 34.9 31.4 47.0

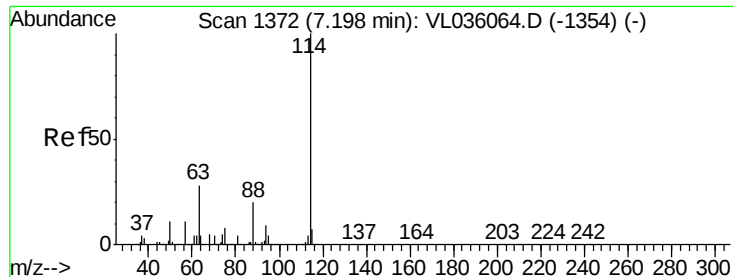


#32

1,1,1-Trichloroethane
 Concen: 9.705 ppbv
 RT: 6.53 min Scan# 1163
 Delta R.T. -0.01 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Tgt Ion: 97 Resp: 1767638
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.4 78.6
 61 55.8 43.4 65.0

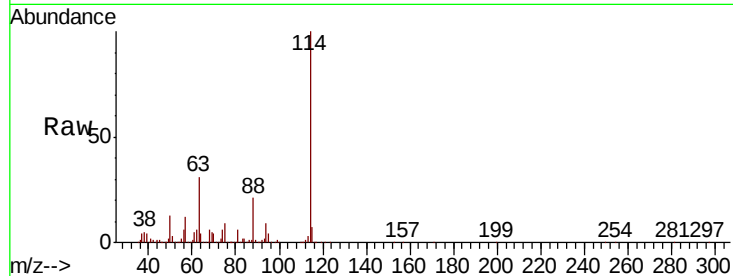




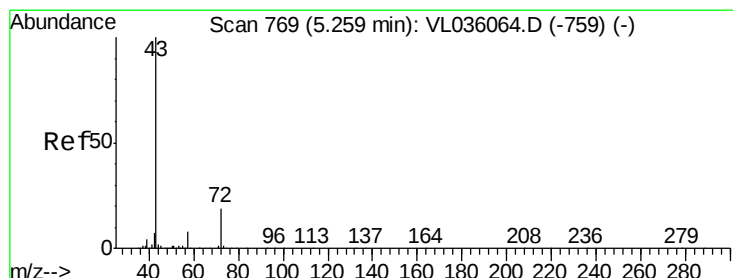
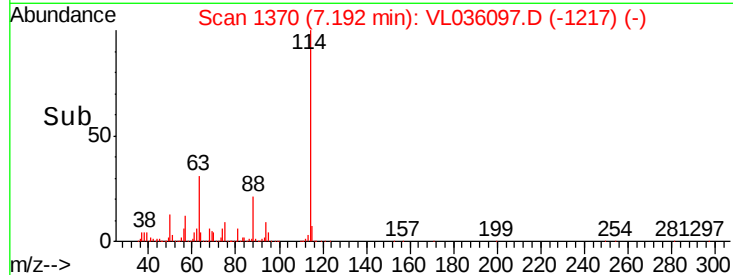
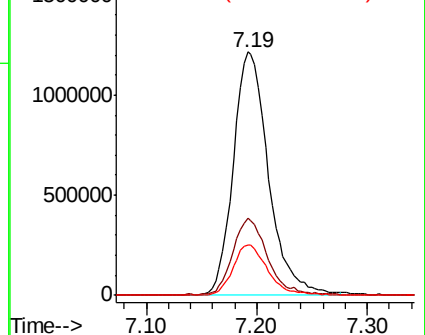
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.01 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 2696797
 Ion Ratio Lower Upper
 114 100
 63 31.9 23.6 35.4
 88 20.8 15.8 23.6

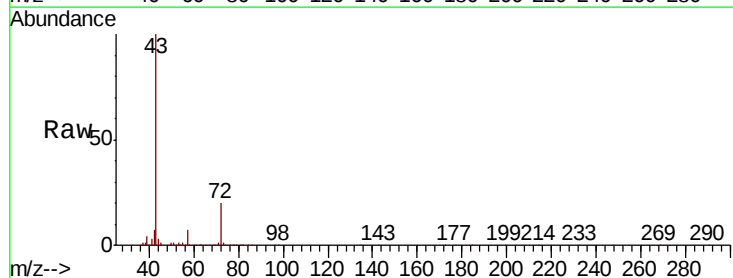


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

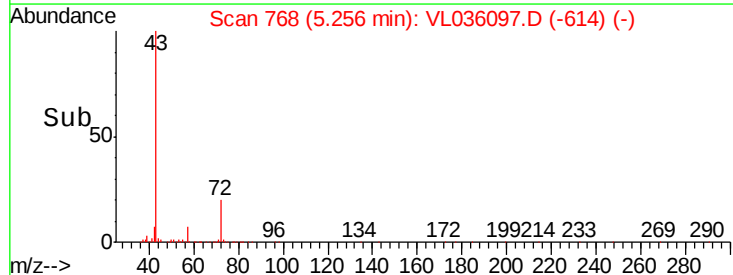
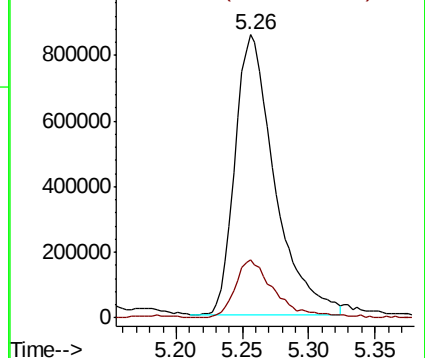


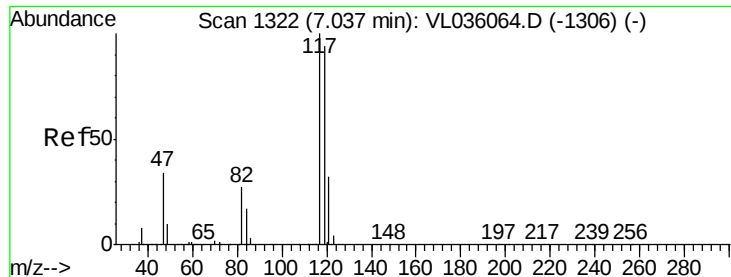
#34
 2-Butanone
 Concen: 10.024 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Tgt Ion: 43 Resp: 1793221
 Ion Ratio Lower Upper
 43 100
 72 20.7 16.5 24.7



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





#35

Carbon Tetrachloride

Concen: 10.824 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

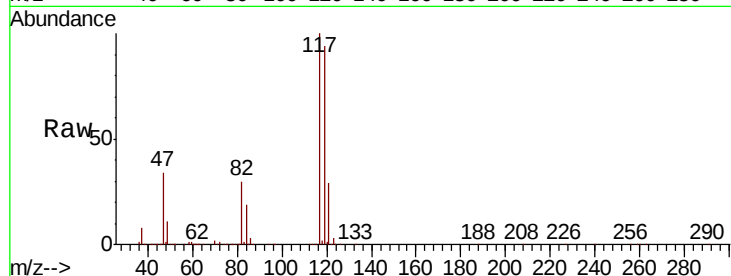
Tot Ion:117 Resp: 1702159

Ion Ratio Lower Upper

117 100

119 94.3 75.1 112.7

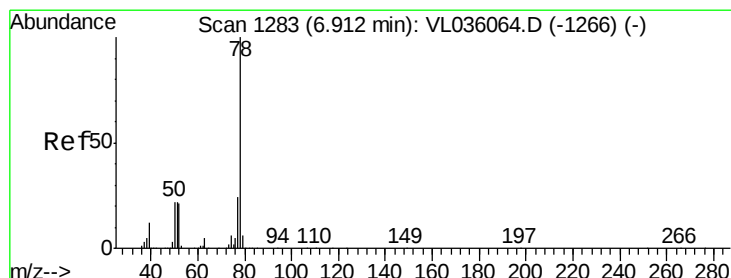
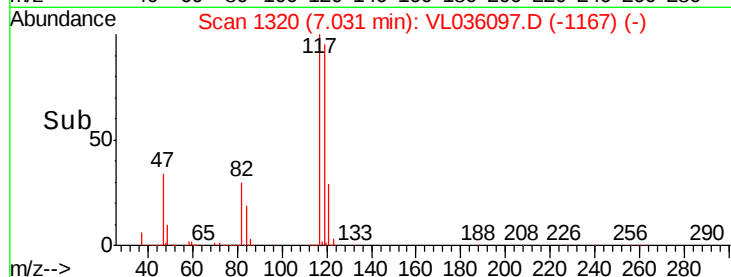
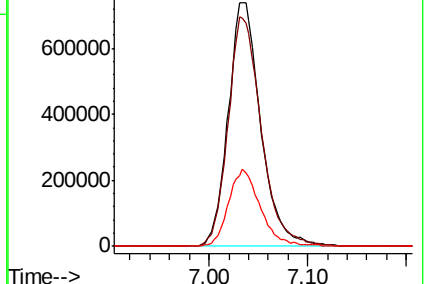
121 28.8 25.6 38.4



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: 10.698 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

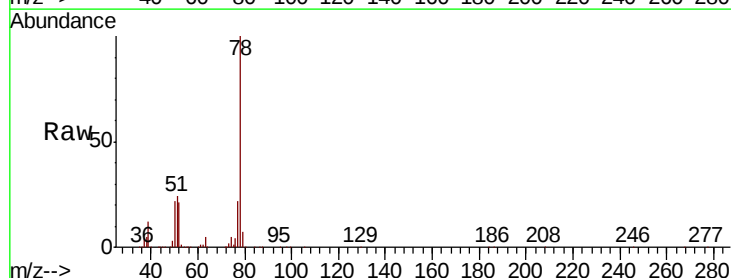
Tgt Ion: 78 Resp: 2445023

Ion Ratio Lower Upper

78 100

77 22.2 19.4 29.2

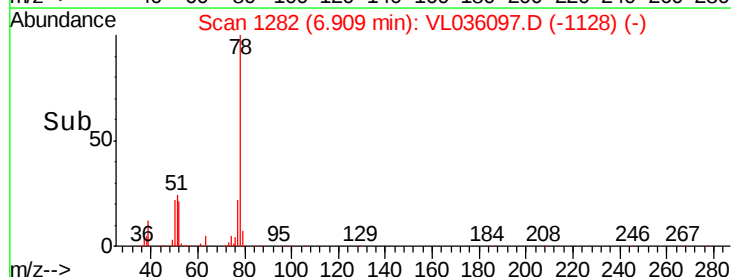
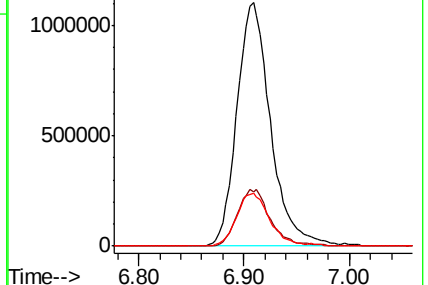
50 21.6 17.8 26.8

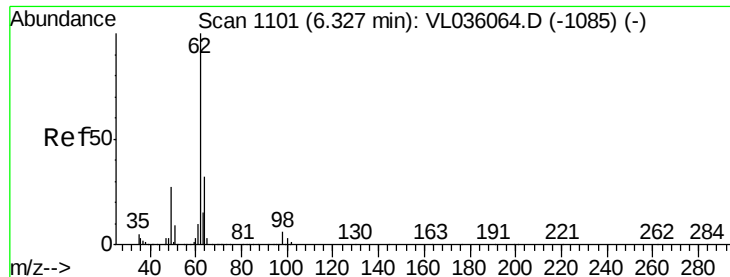


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

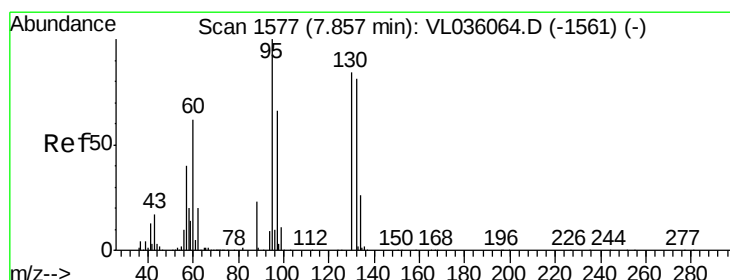
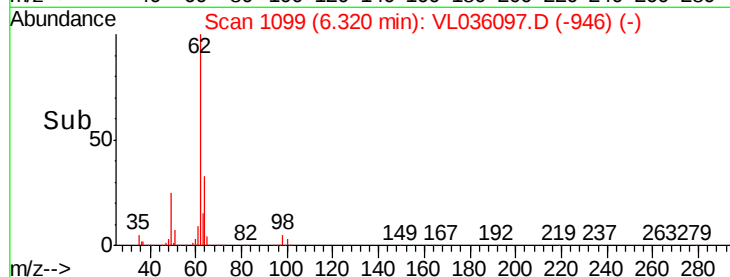
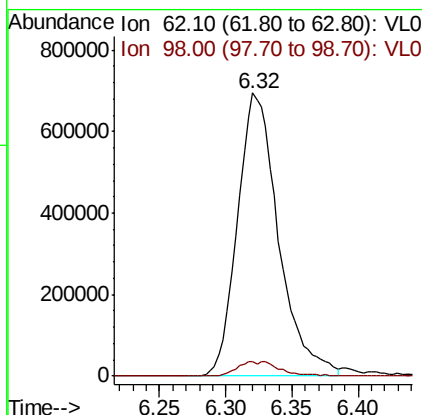
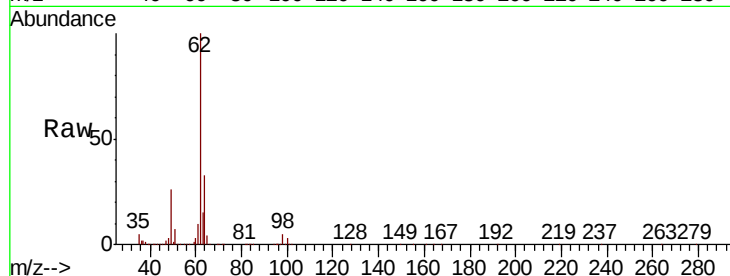




#37
 1,2-Dichloroethane
 Concen: 11.309 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. -0.01 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

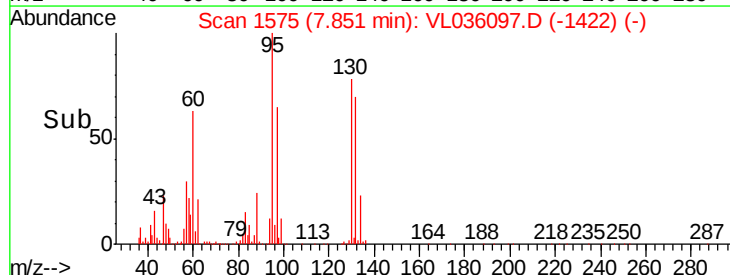
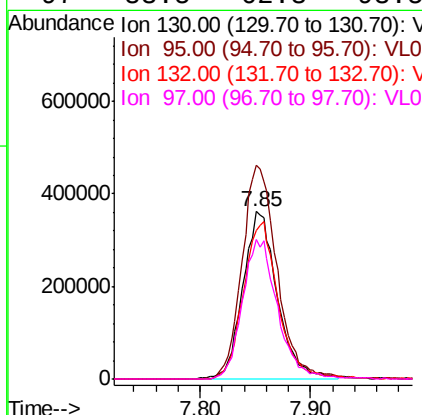
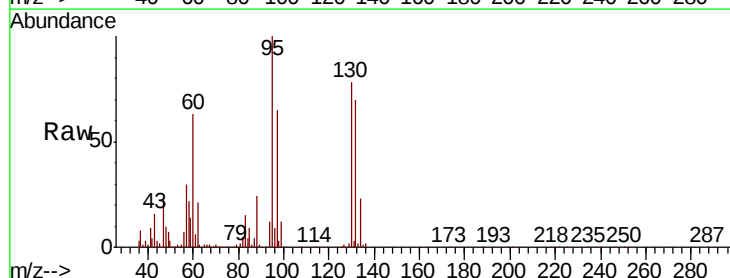
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

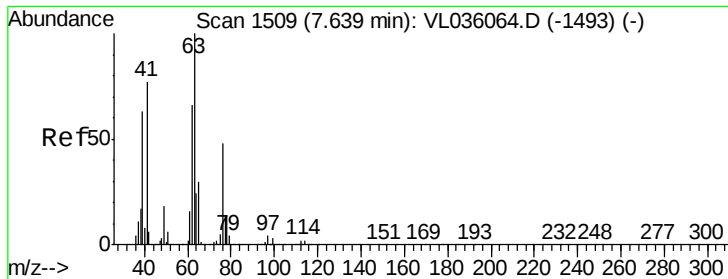
Tot Ion: 62 Resp: 1497749
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.6 7.0



#38
 Trichloroethene
 Concen: 9.034 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Tgt Ion: 130 Resp: 771780
 Ion Ratio Lower Upper
 130 100
 95 127.8 95.2 142.8
 132 89.2 76.9 115.3
 97 83.5 62.3 93.5





#39

1,2-Dichloropropane

Concen: 10.772 ppbv

RT: 7.63 min Scan# 1506

Delta R.T. -0.01 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

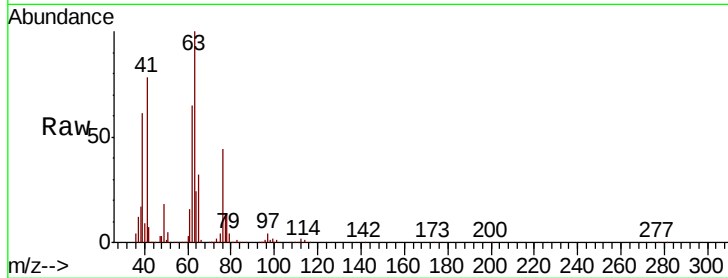
Tot Ion: 63 Resp: 972279

Ion Ratio Lower Upper

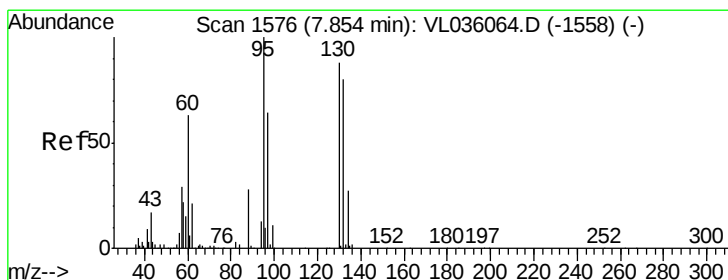
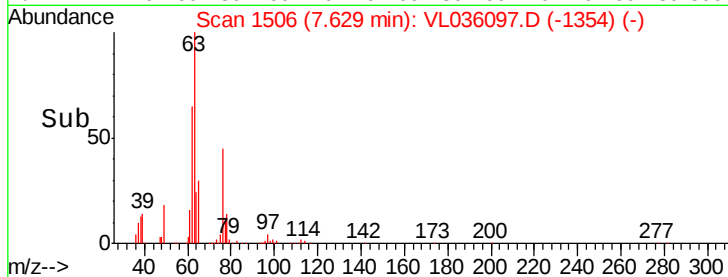
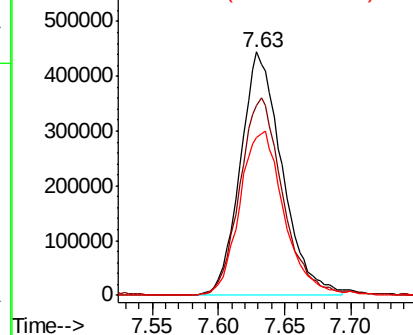
63 100

41 77.8 61.9 92.9

62 65.0 52.5 78.7



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: 10.081 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.01 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Tgt Ion: 88 Resp: 286188

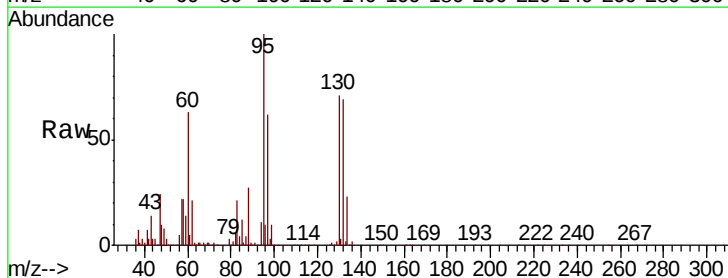
Ion Ratio Lower Upper

88 100

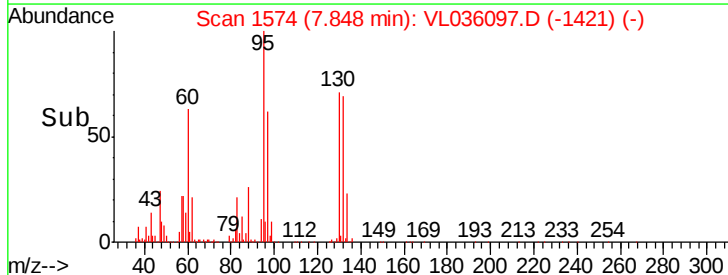
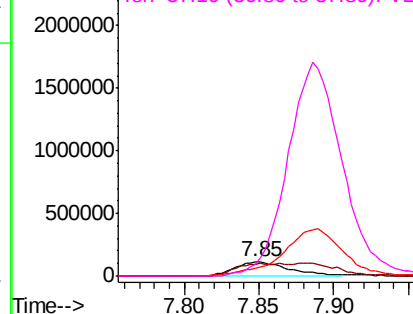
58 0.0 122.6 184.0#

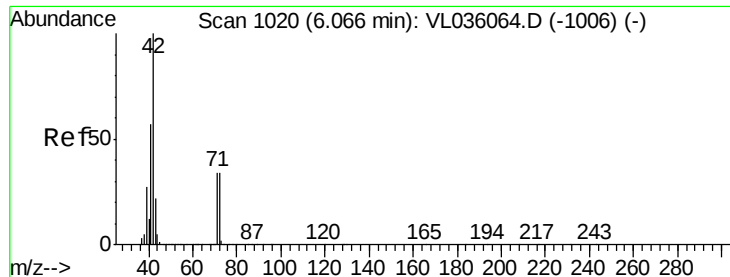
43 0.0 0.0 0.0

57 0.0 0.0 0.0



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: 10.429 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

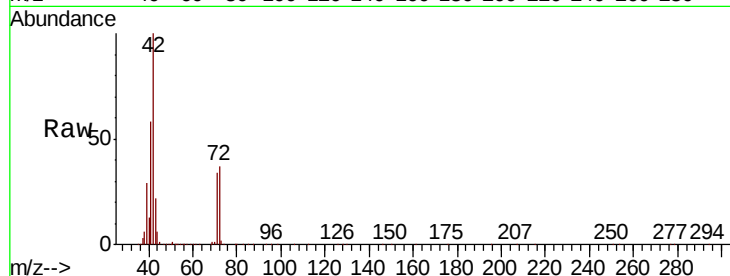
Tot Ion: 42 Resp: 1108292

Ion Ratio Lower Upper

42 100

72 35.9 28.3 42.5

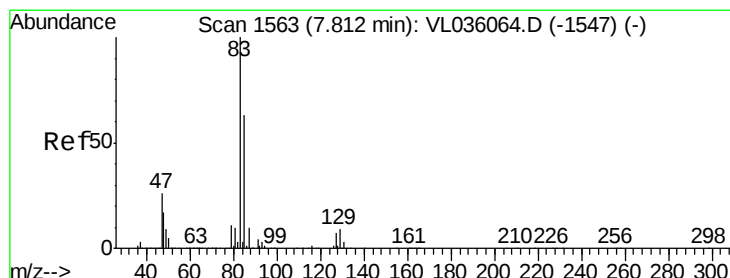
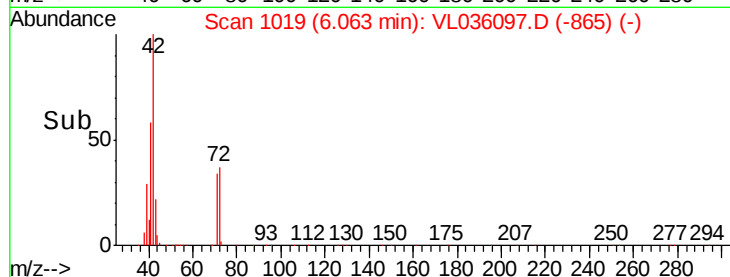
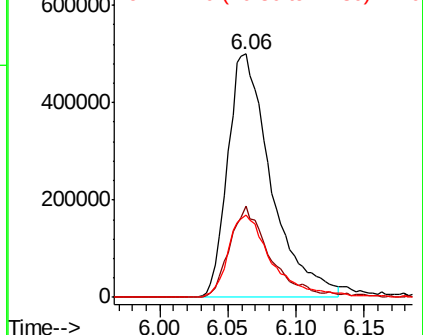
71 34.5 27.3 40.9



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: 11.321 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

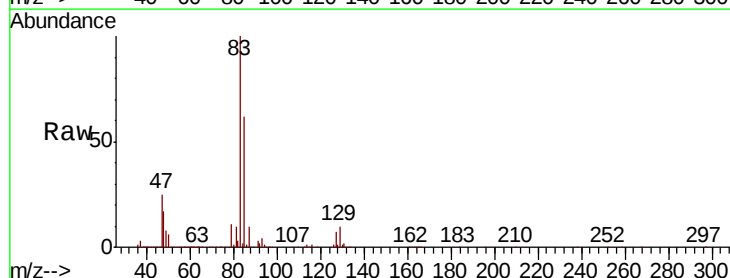
Tgt Ion: 83 Resp: 1997824

Ion Ratio Lower Upper

83 100

85 61.6 50.2 75.2

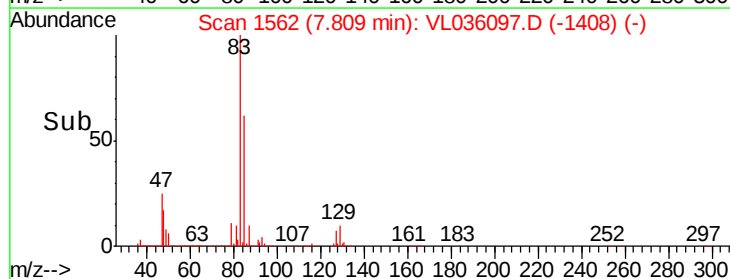
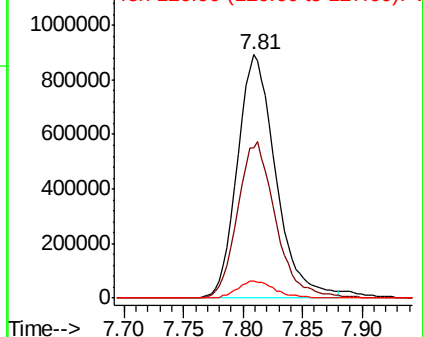
127 6.8 5.5 8.3

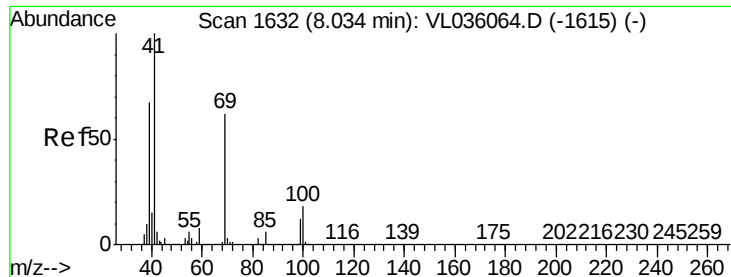


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 11.143 ppbv

RT: 8.03 min Scan# 1631

Delta R.T. -0.00 min

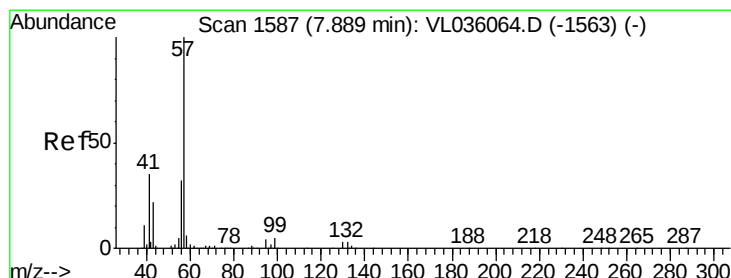
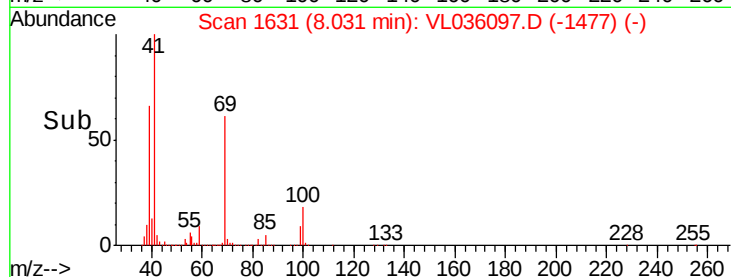
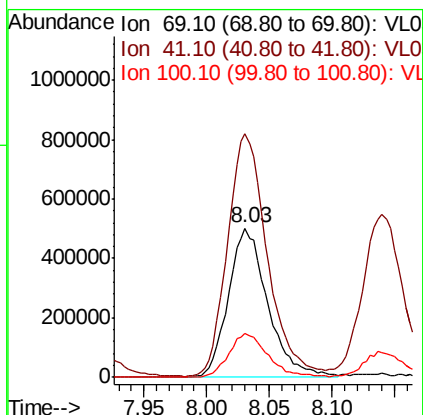
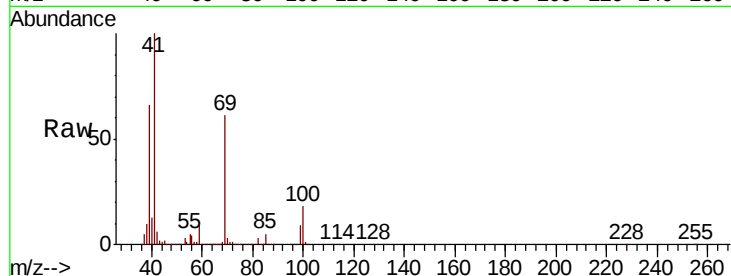
Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1092592

Ion	Ratio	Lower	Upper
69	100		
41	165.5	133.0	199.6
100	29.3	25.4	38.0



#44

2,2,4-Trimethylpentane

Concen: 10.488 ppbv

RT: 7.89 min Scan# 1586

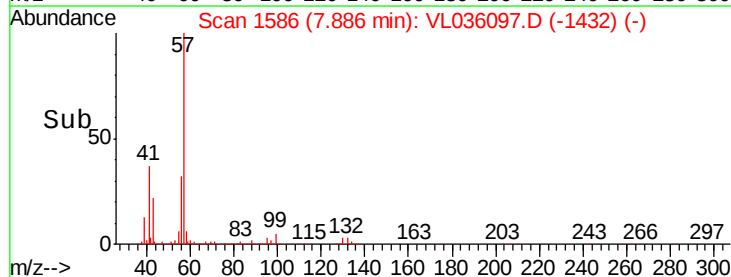
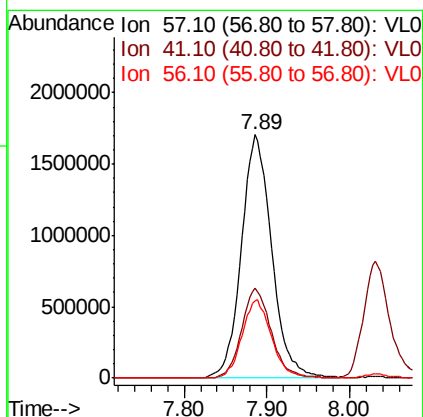
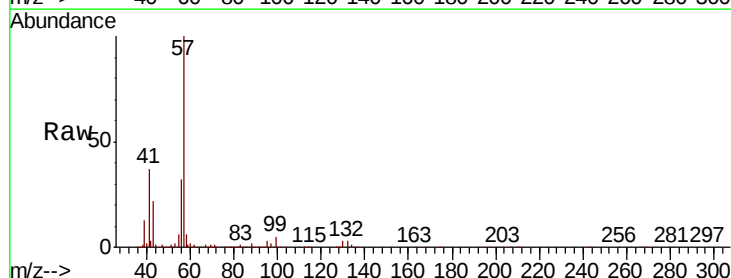
Delta R.T. -0.00 min

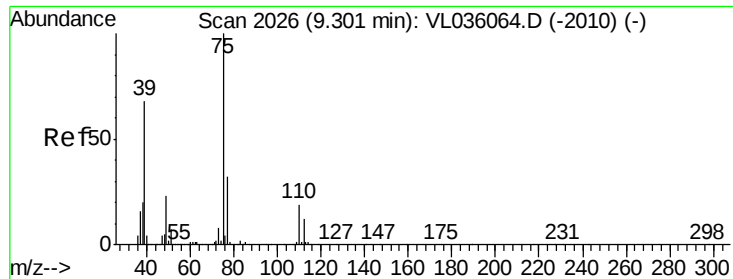
Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Tgt Ion: 57 Resp: 4340874

Ion	Ratio	Lower	Upper
57	100		
41	36.0	28.9	43.3
56	31.4	25.3	37.9

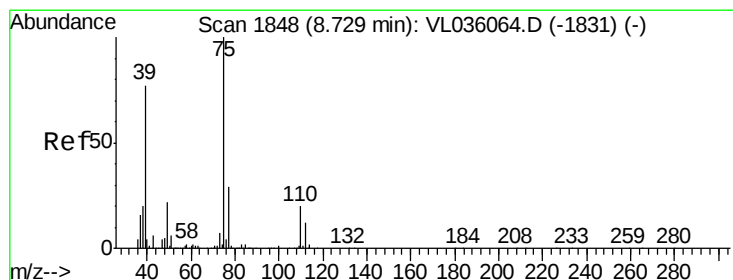
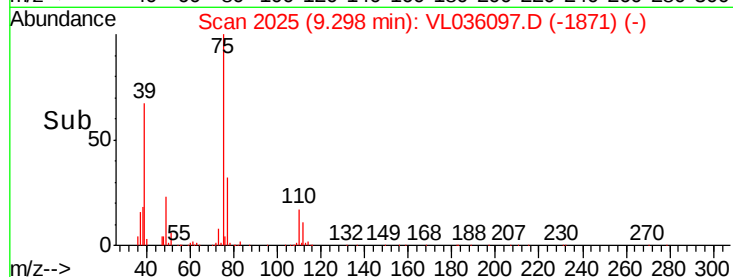
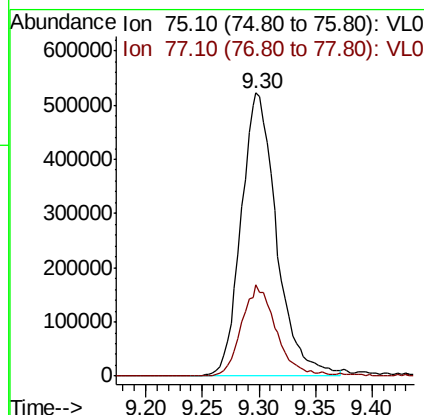
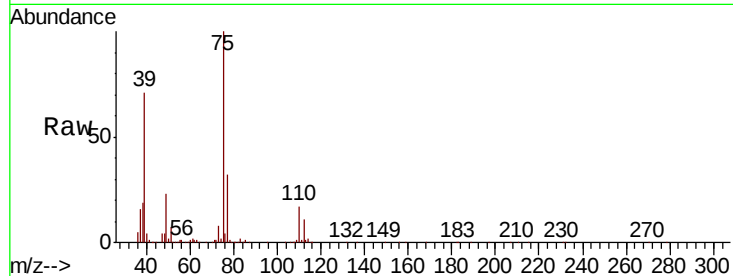




#45
 t-1,3-Dichloropropene
 Concen: 11.305 ppbv
 RT: 9.30 min Scan# 2025
 Delta R.T. -0.00 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

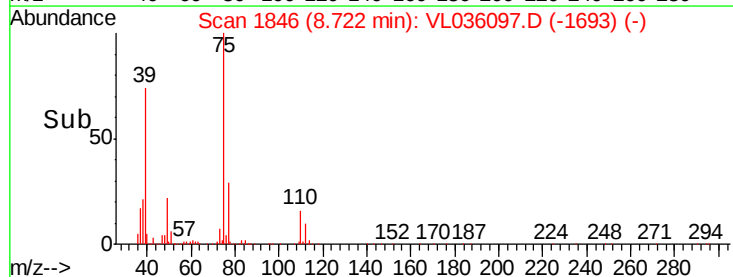
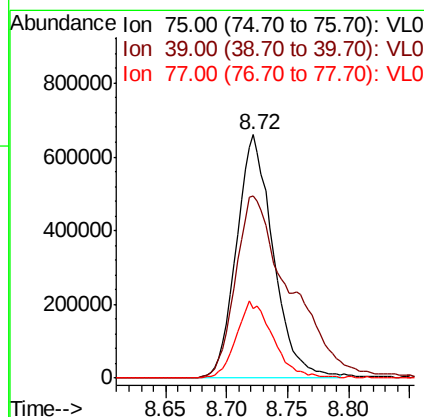
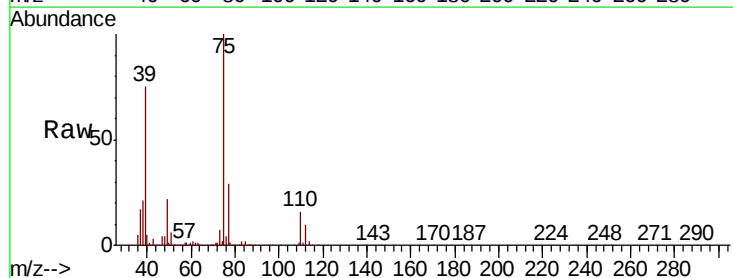
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

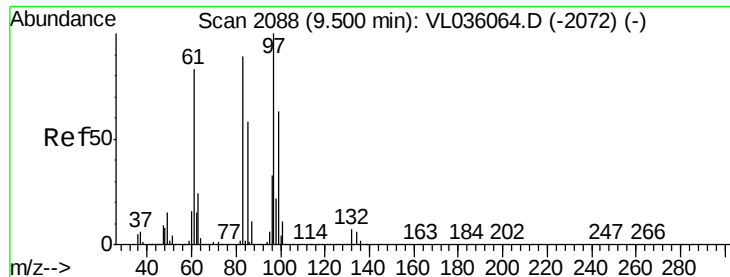
Tot Ion: 75 Resp: 1138799
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.0 39.0



#46
 cis-1,3-Dichloropropene
 Concen: 10.898 ppbv
 RT: 8.72 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Tgt Ion: 75 Resp: 1375884
 Ion Ratio Lower Upper
 75 100
 39 74.5 61.6 92.4
 77 28.6 23.0 34.6





#47

1,1,2-Trichloroethane

Concen: 10.806 ppbv

RT: 9.50 min Scan# 2087

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDC0010

Tot Ion: 97 Resp: 938346

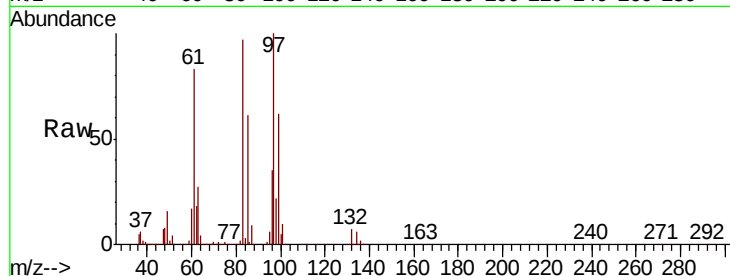
Ion Ratio Lower Upper

97 100

83 96.7 71.4 107.2

85 60.8 46.6 70.0

99 62.2 50.7 76.1

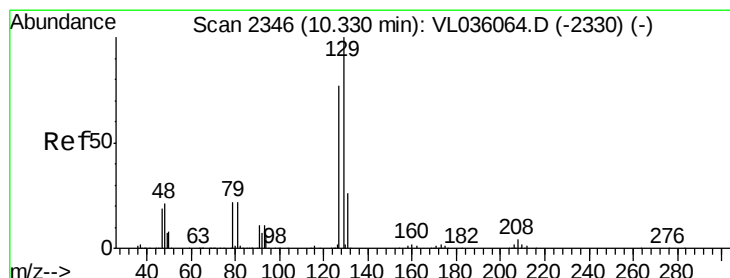
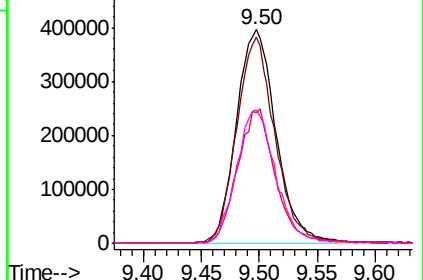
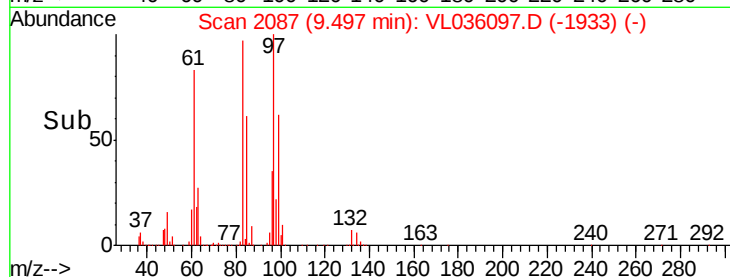


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.822 ppbv

RT: 10.33 min Scan# 2345

Delta R.T. -0.00 min

Lab File: VL036097.D

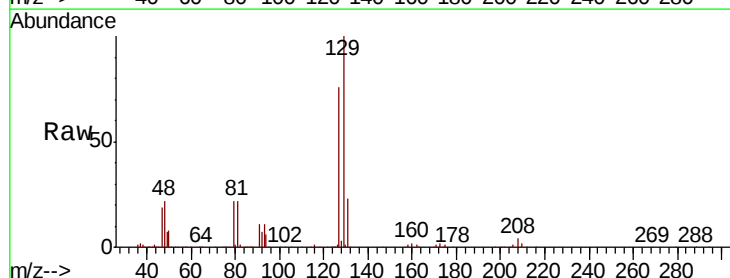
Acq: 8 Dec 2020 15:07

Tgt Ion: 129 Resp: 1419119

Ion Ratio Lower Upper

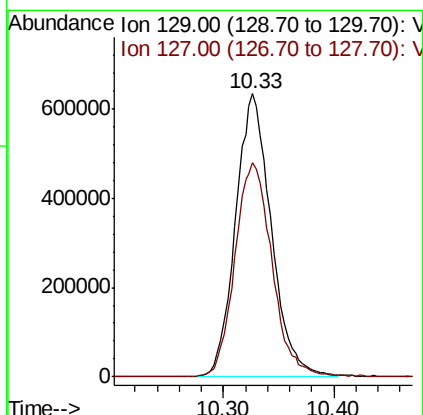
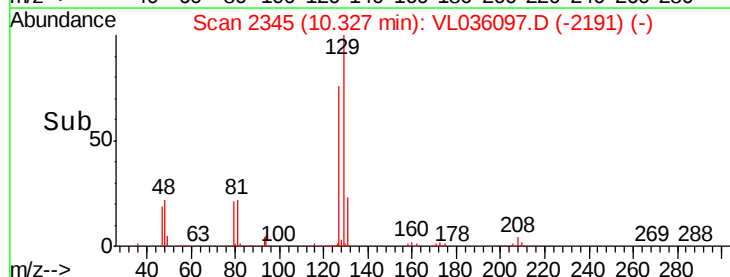
129 100

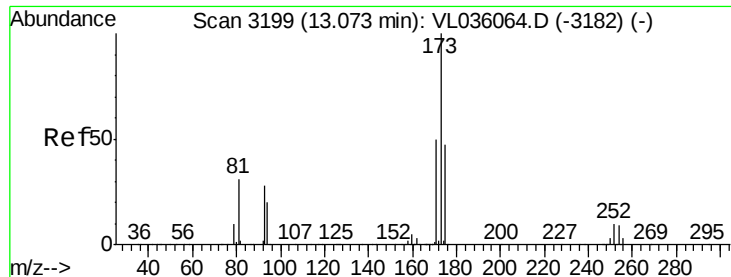
127 78.8 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.469 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. -0.01 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

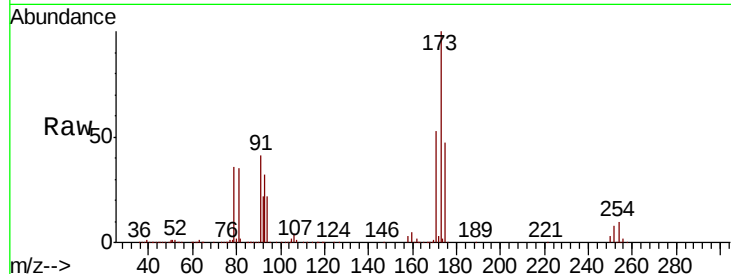
Tot Ion:173 Resp: 1080458

Ion Ratio Lower Upper

173 100

175 49.3 39.8 59.6

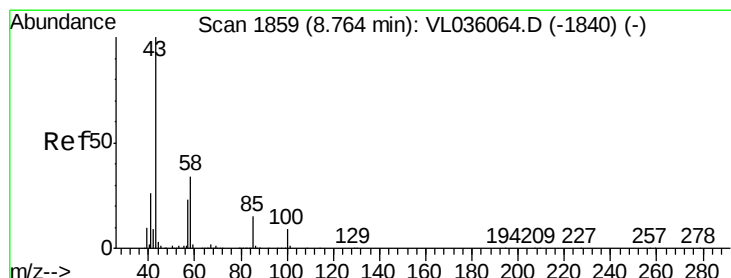
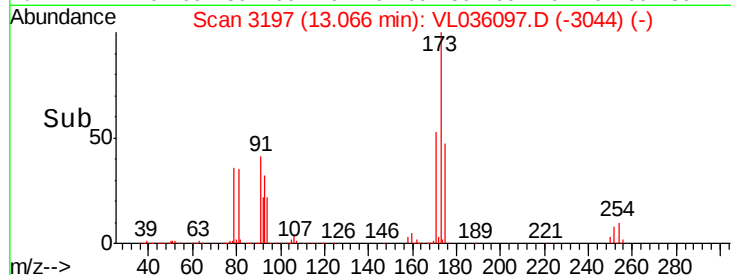
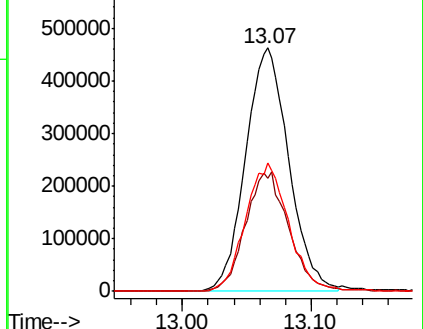
171 53.0 42.5 63.7



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: 10.837 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. -0.01 min

Lab File: VL036097.D

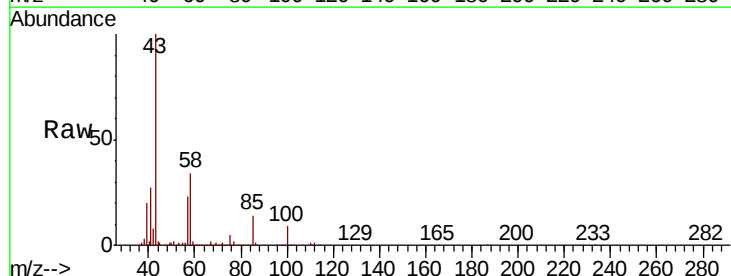
Acq: 8 Dec 2020 15:07

Tgt Ion: 43 Resp: 2891215

Ion Ratio Lower Upper

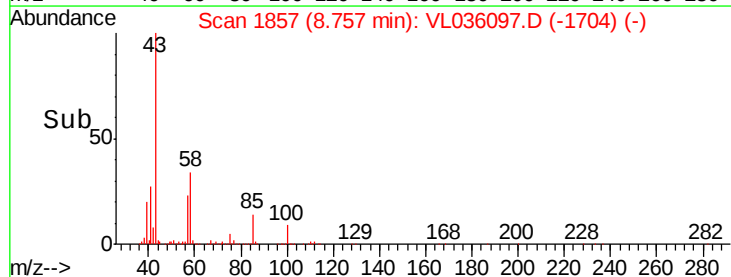
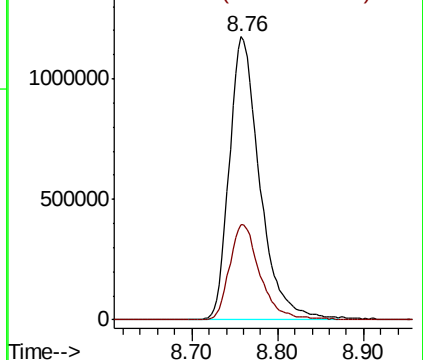
43 100

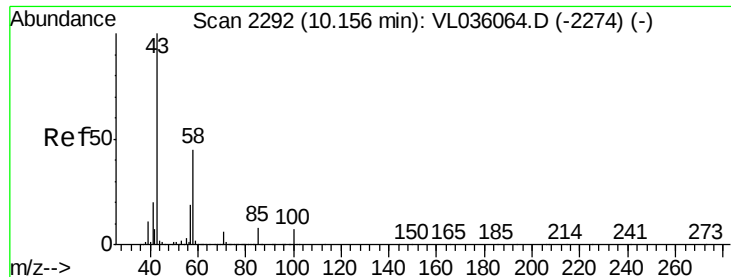
58 34.0 27.4 41.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

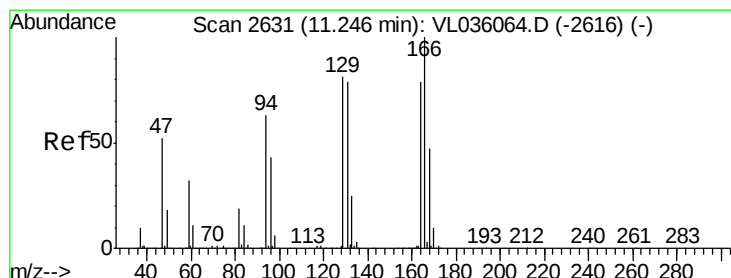
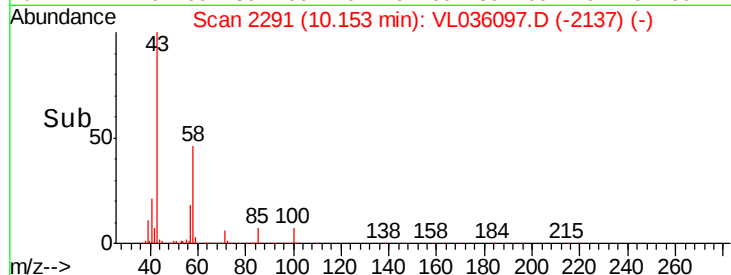
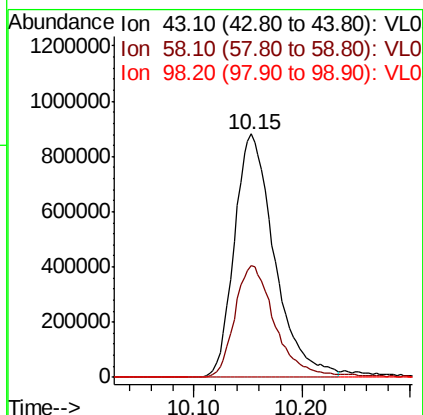
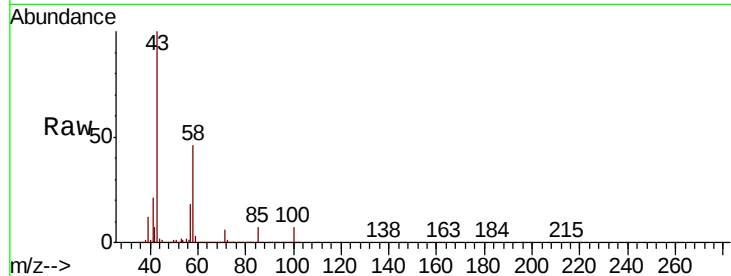




#51
2-Hexanone
Concen: 10.930 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

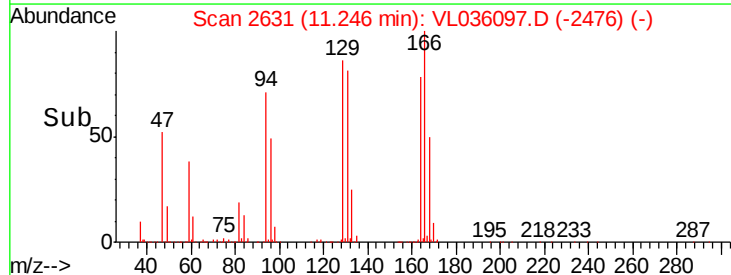
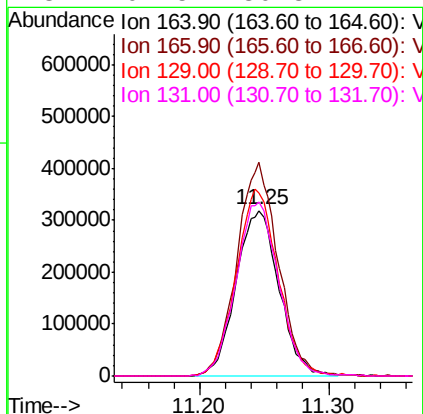
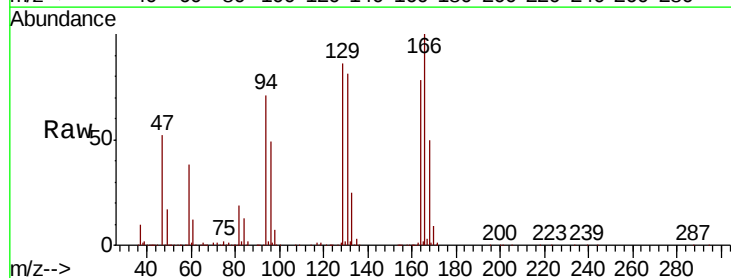
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

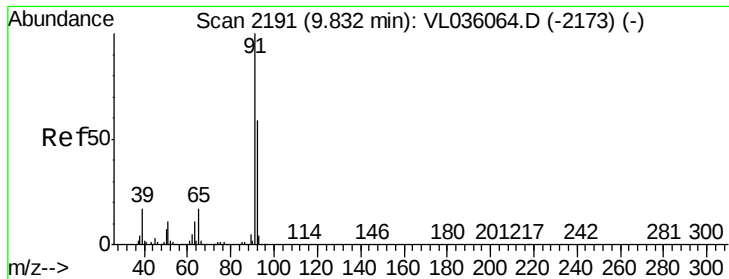
Tot Ion: 43 Resp: 2279365
Ion Ratio Lower Upper
43 100
58 46.9 38.7 58.1
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 8.874 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion: 164 Resp: 734167
Ion Ratio Lower Upper
164 100
166 128.7 101.9 152.9
129 110.5 82.1 123.1
131 104.5 80.8 121.2





#53

Toluene

Concen: 10.554 ppbv

RT: 9.82 min Scan# 2189

Delta R.T. -0.01 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

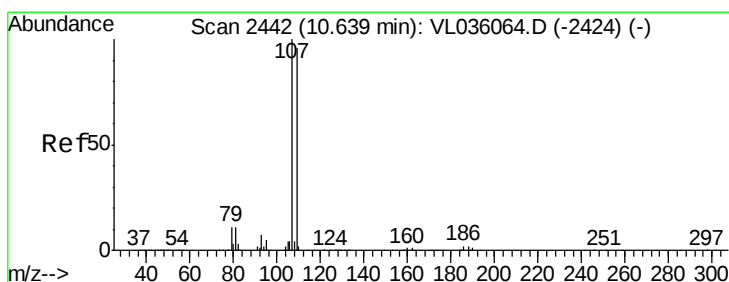
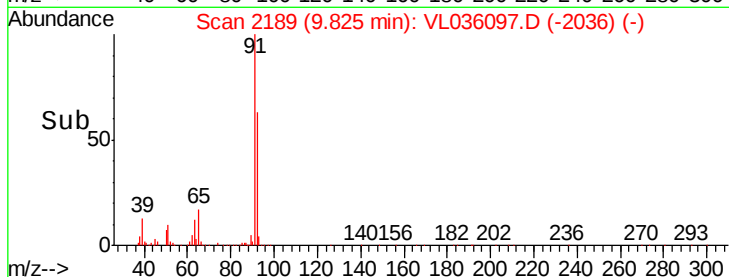
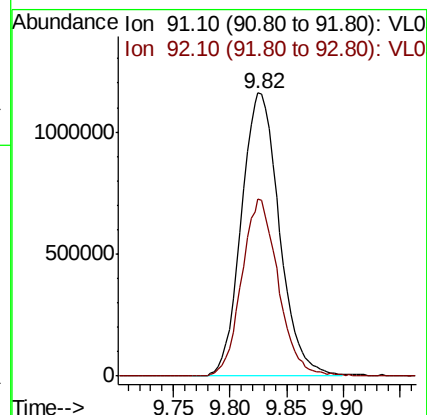
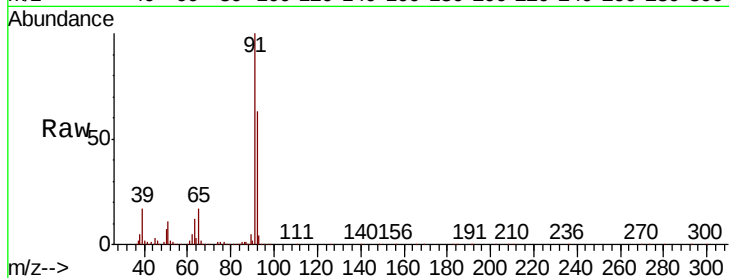
VSTDCCC010

Tot Ion: 91 Resp: 2708484

Ion Ratio Lower Upper

91 100

92 60.3 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.373 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. -0.01 min

Lab File: VL036097.D

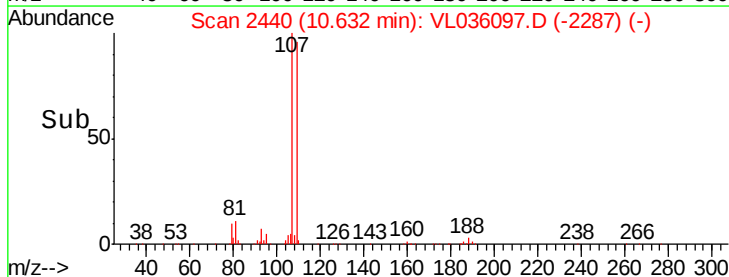
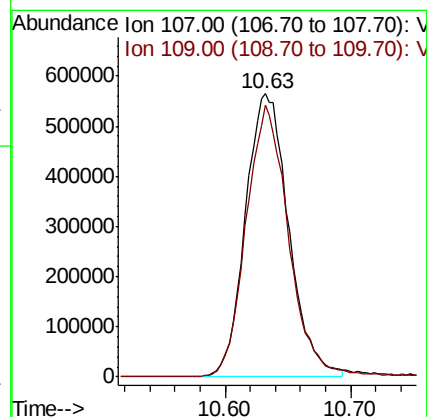
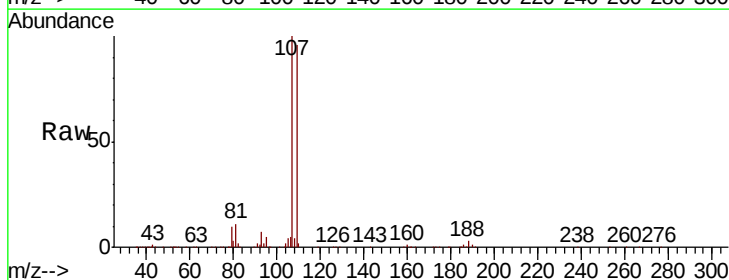
Acq: 8 Dec 2020 15:07

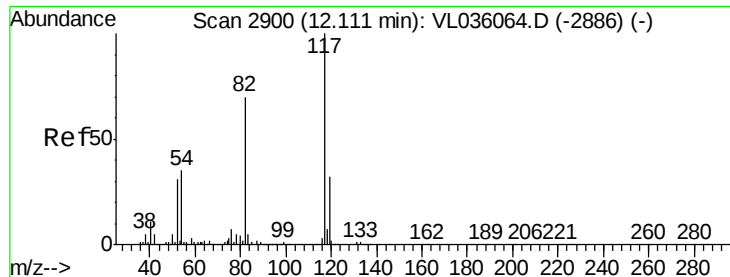
Tgt Ion: 107 Resp: 1350116

Ion Ratio Lower Upper

107 100

109 95.9 76.6 115.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

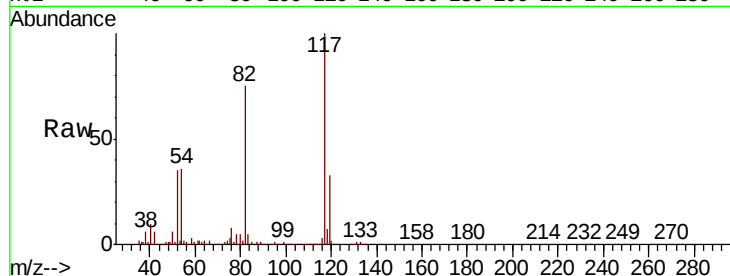
Tot Ion:117 Resp: 3110212

Ion Ratio Lower Upper

117 100

82 61.9 0.0 0.0#

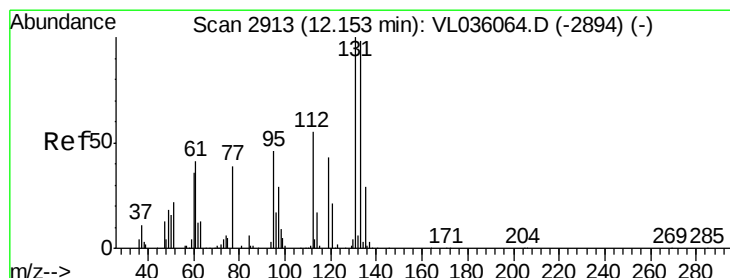
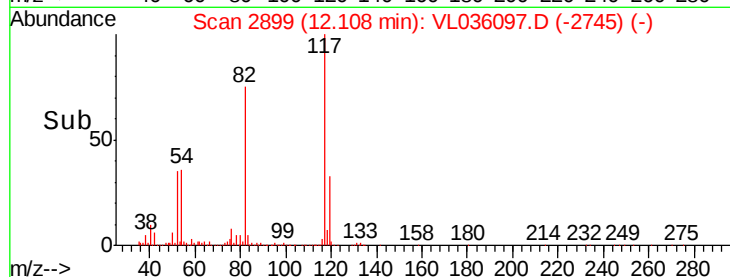
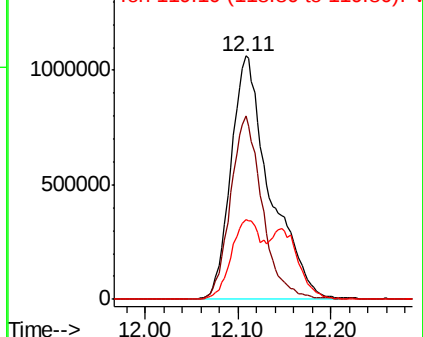
119 25.7 0.0 0.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.172 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. -0.01 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

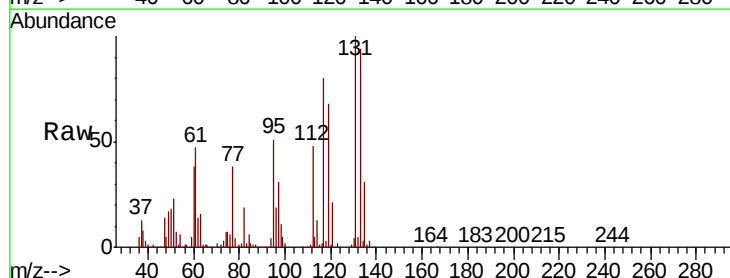
Tgt Ion:131 Resp: 1053907

Ion Ratio Lower Upper

131 100

133 95.6 77.7 116.5

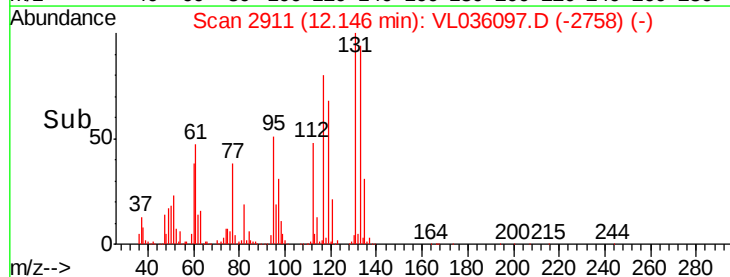
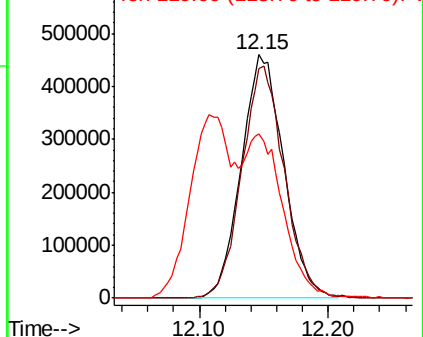
119 57.7 51.6 77.4

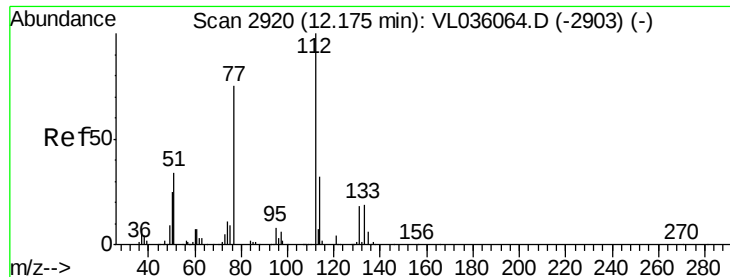


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

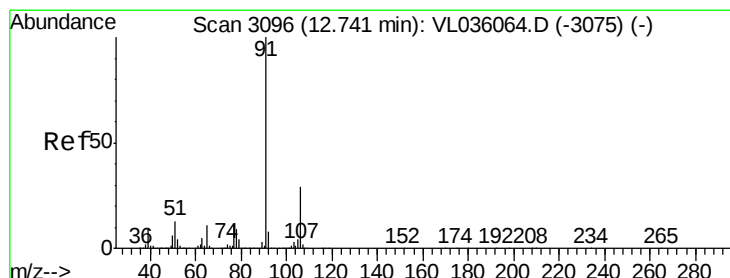
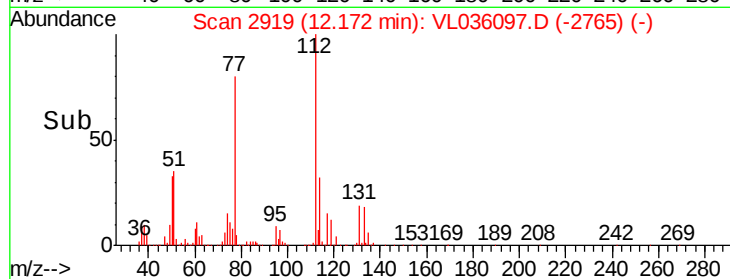
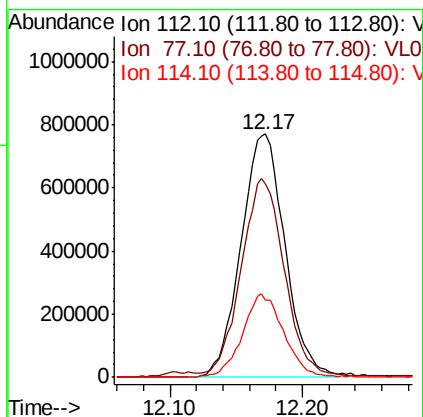
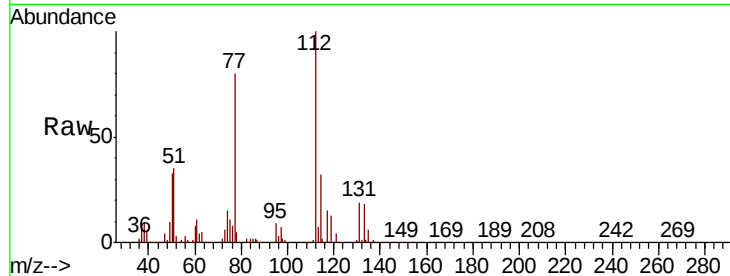




#57
Chlorobenzene
Concen: 8.120 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

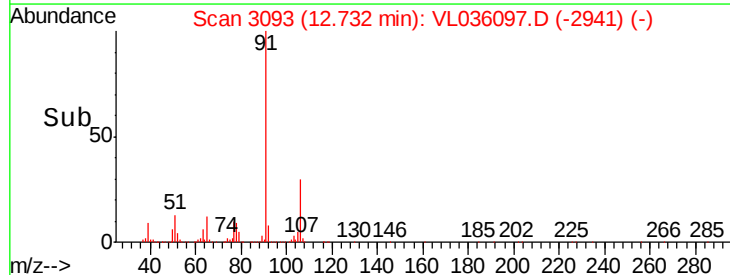
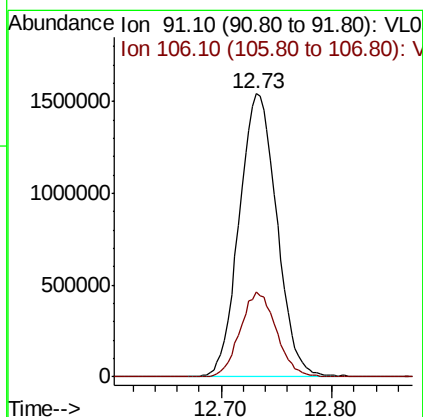
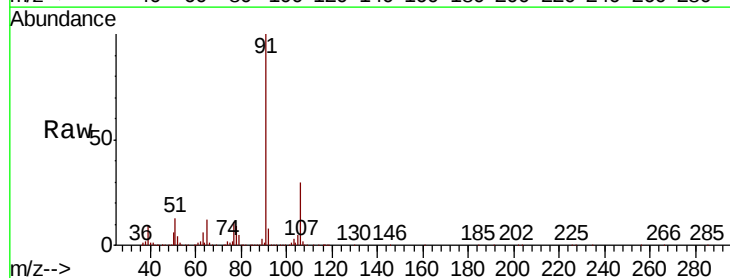
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

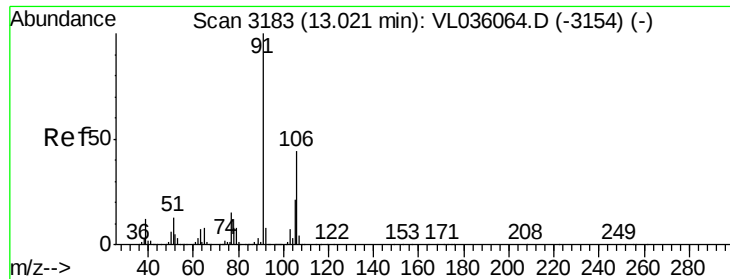
Tot Ion:112 Resp: 1773067
Ion Ratio Lower Upper
112 100
77 78.6 60.5 90.7
114 31.8 29.2 35.6



#58
Ethyl Benzene
Concen: 8.563 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion: 91 Resp: 3649892
Ion Ratio Lower Upper
91 100
106 30.2 23.0 34.4

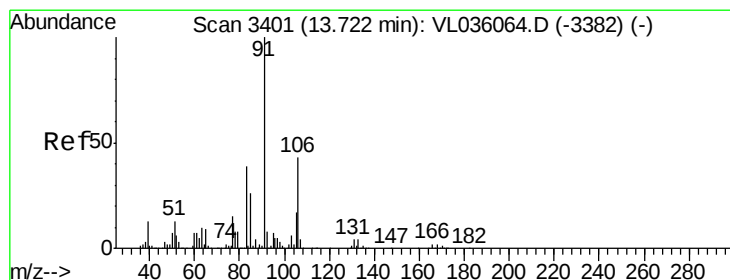
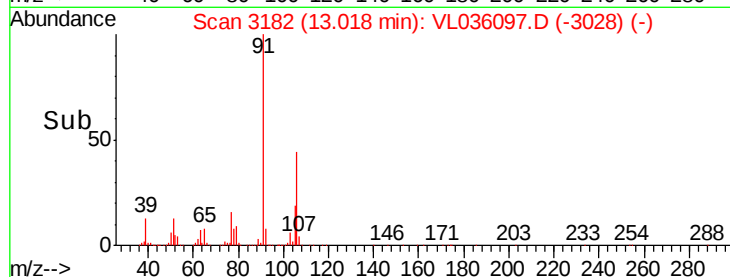
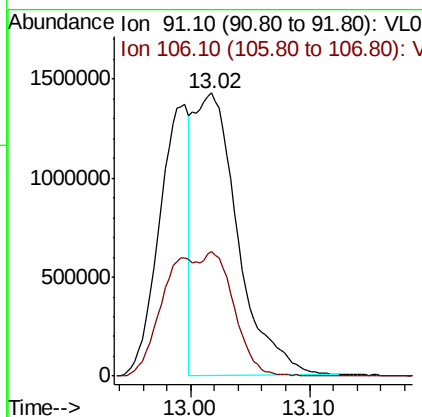
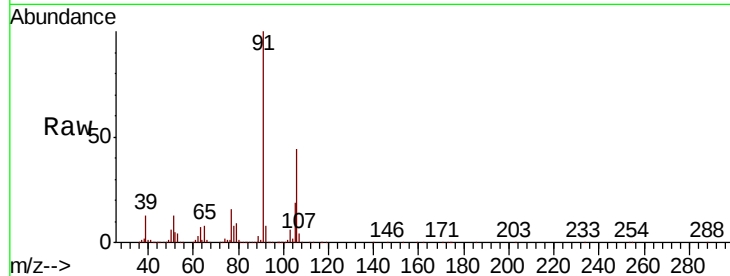




#59
m/p-Xylene
Concen: 10.290 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

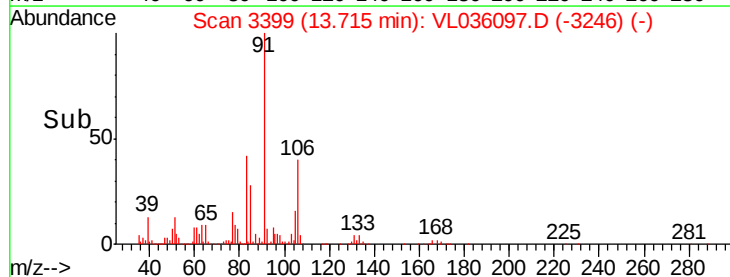
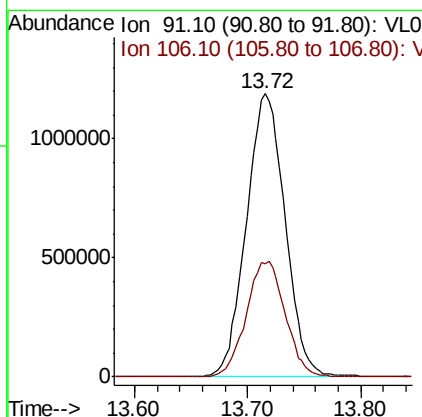
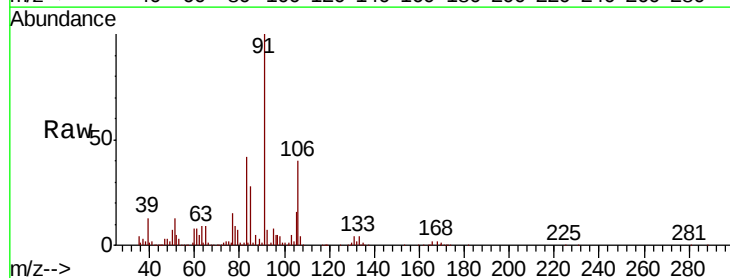
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

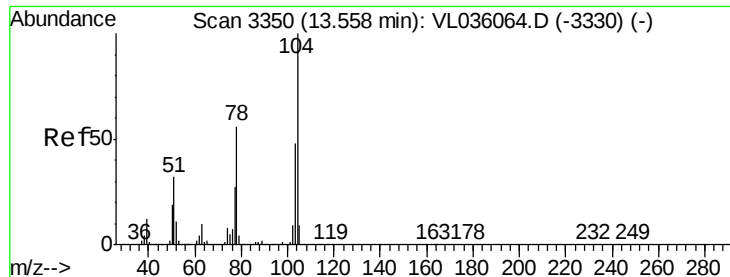
Tot Ion: 91 Resp: 3693921
Ion Ratio Lower Upper
91 100
106 67.1 33.6 50.4#



#60
o-Xylene
Concen: 8.347 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion: 91 Resp: 2823260
Ion Ratio Lower Upper
91 100
106 41.3 21.6 64.6

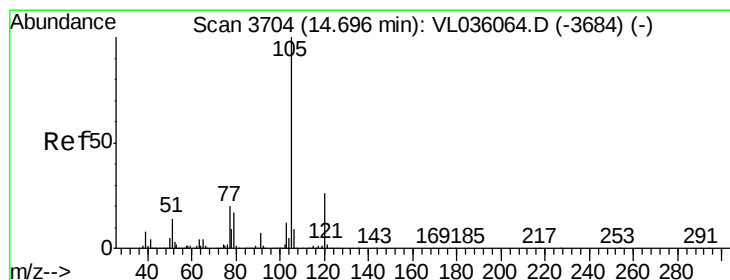
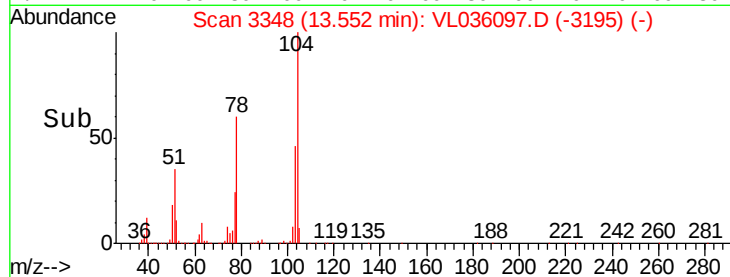
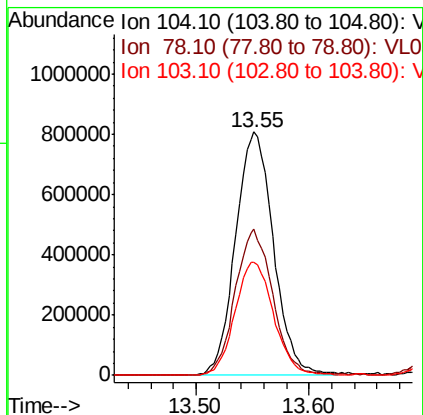
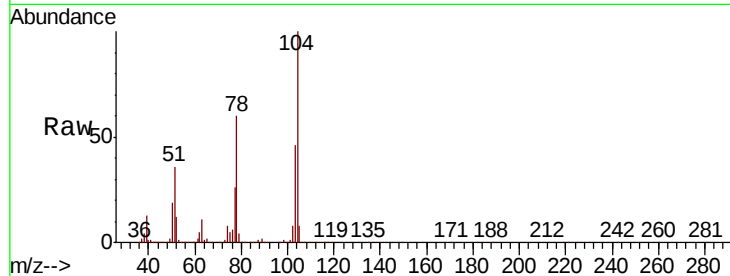




#61
Stvrene
Concen: 8.696 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. -0.01 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

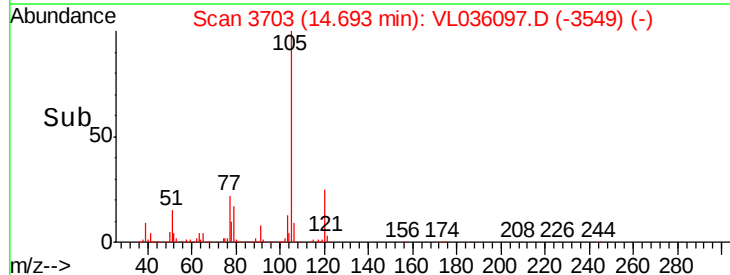
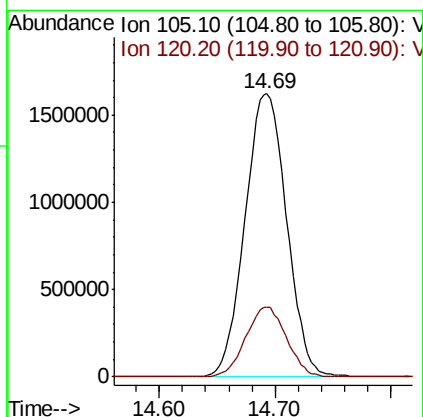
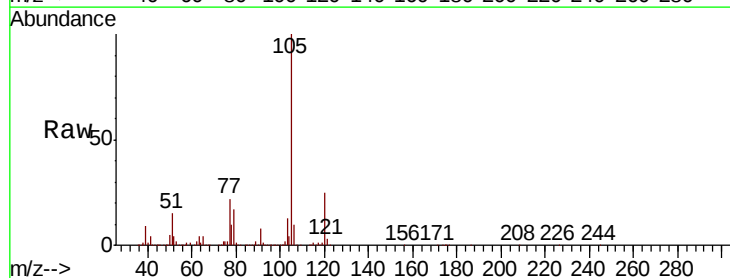
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

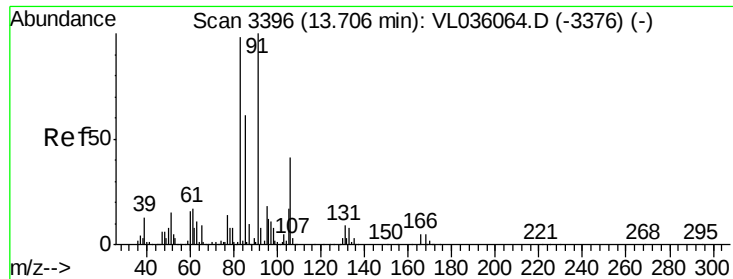
Tot Ion:104 Resp: 1888351
Ion Ratio Lower Upper
104 100
78 59.8 45.8 68.8
103 47.6 38.6 57.8



#62
Isopropylbenzene
Concen: 8.070 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion:105 Resp: 4045822
Ion Ratio Lower Upper
105 100
120 24.2 20.1 30.1





#63

1,1,2,2-Tetrachloroethane

Concen: 8.080 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. -0.01 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

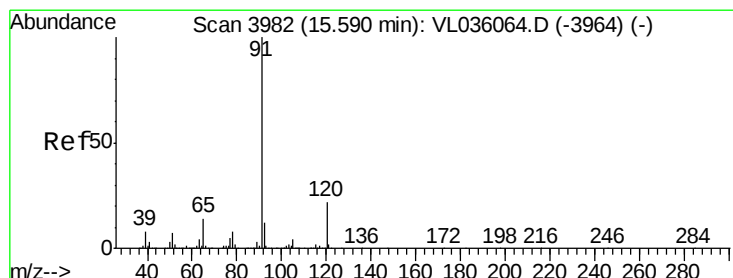
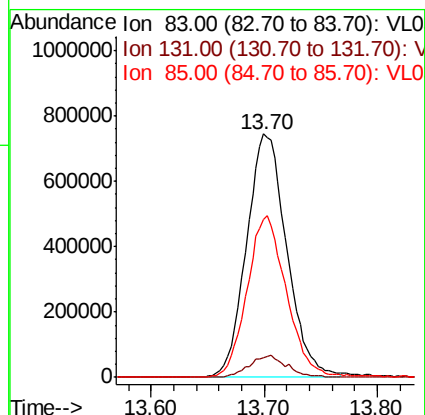
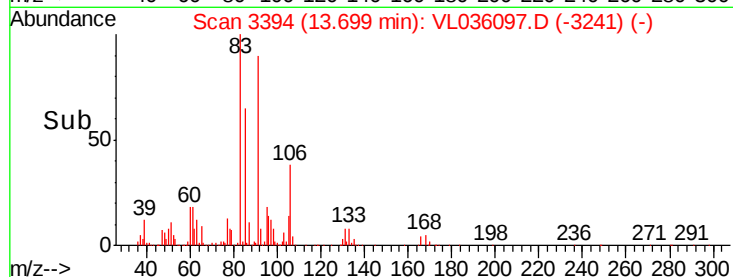
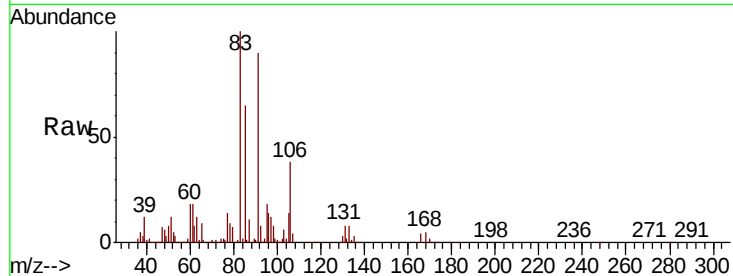
Tot Ion: 83 Resp: 1840542

Ion Ratio Lower Upper

83 100

131 8.5 4.6 13.8

85 65.7 32.5 97.5



#64

n-propylbenzene

Concen: 8.002 ppbv

RT: 15.59 min Scan# 3981

Delta R.T. -0.00 min

Lab File: VL036097.D

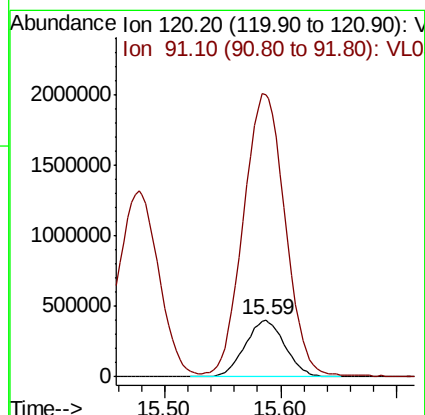
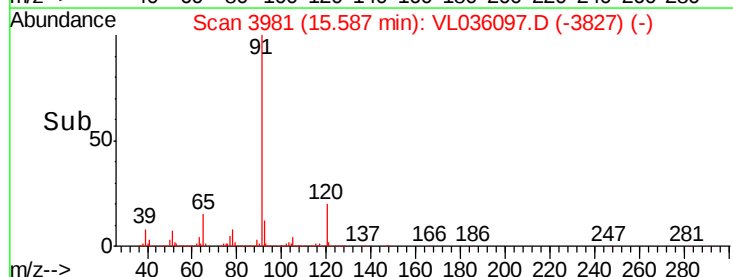
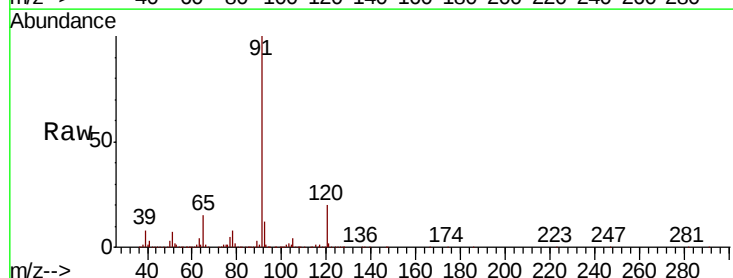
Acq: 8 Dec 2020 15:07

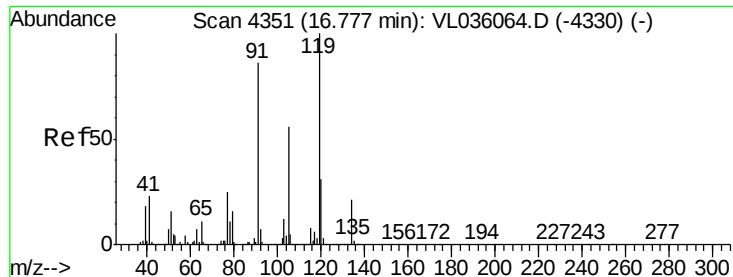
Tgt Ion: 120 Resp: 965172

Ion Ratio Lower Upper

120 100

91 524.0 388.9 583.3

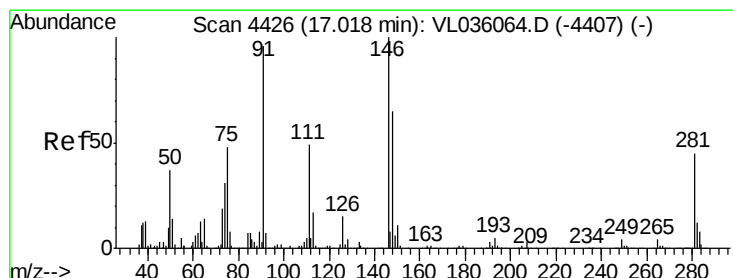
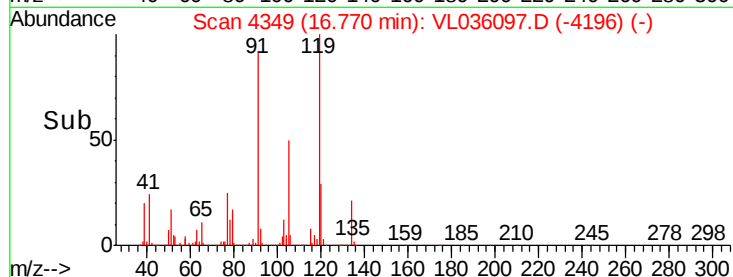
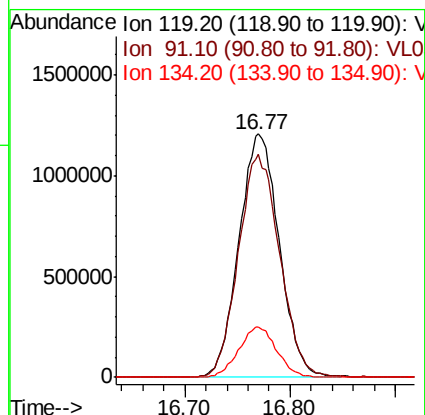
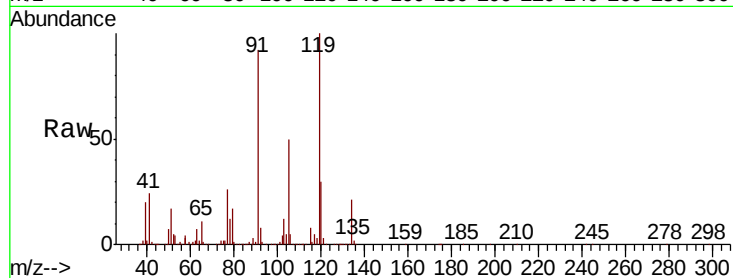




#65
tert-Butylbenzene
Concen: 7.806 ppbv
RT: 16.77 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

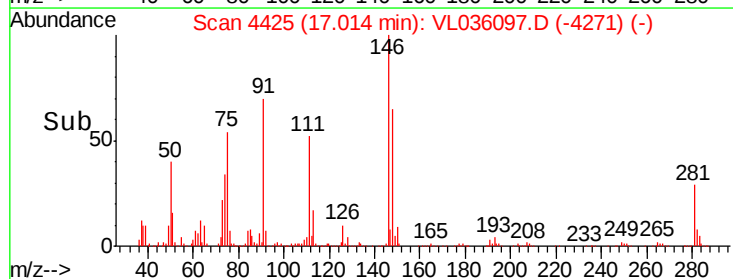
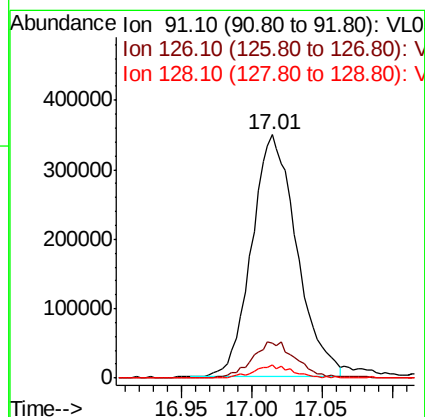
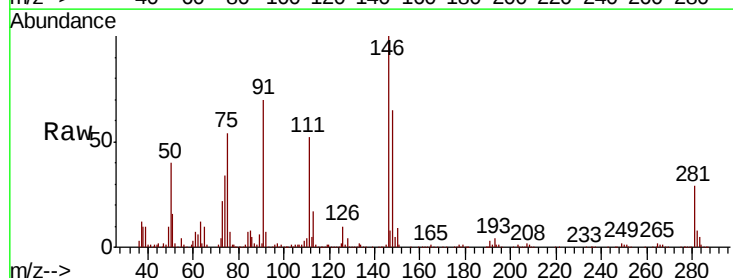
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

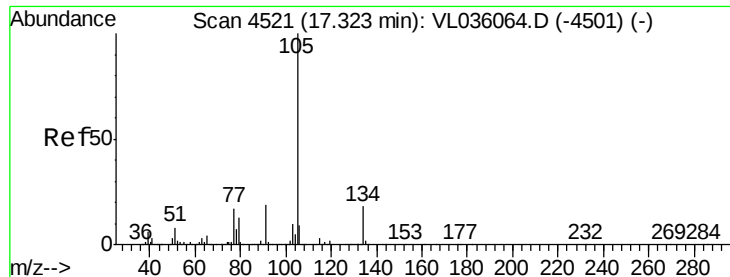
Tot Ion:119 Resp: 3203536
Ion Ratio Lower Upper
119 100
91 93.9 70.2 105.2
134 19.5 15.8 23.6



#66
Benzyl Chloride
Concen: 7.600 ppbv
RT: 17.01 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion: 91 Resp: 776578
Ion Ratio Lower Upper
91 100
126 15.2 13.5 20.3
128 4.9 4.4 6.6





#67

sec-Butylbenzene

Concen: 7.994 ppbv

RT: 17.32 min Scan# 4519

Delta R.T. -0.01 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

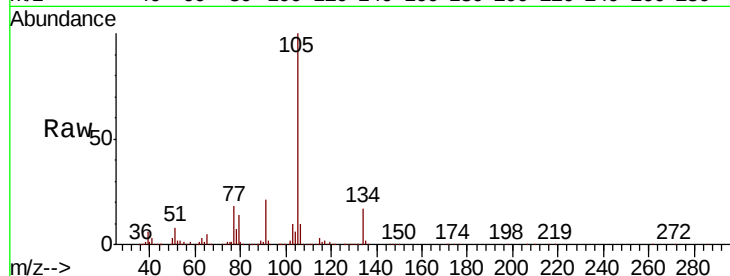
VSTDCCC010

Tot Ion:105 Resp: 4591392

Ion Ratio Lower Upper

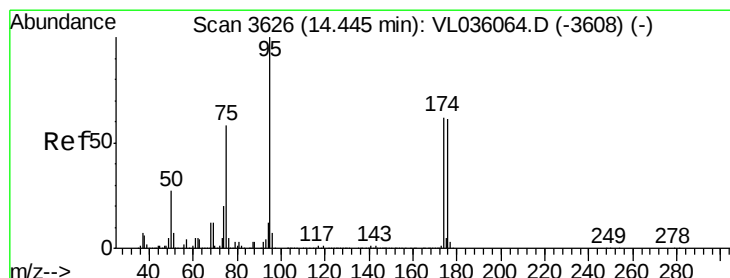
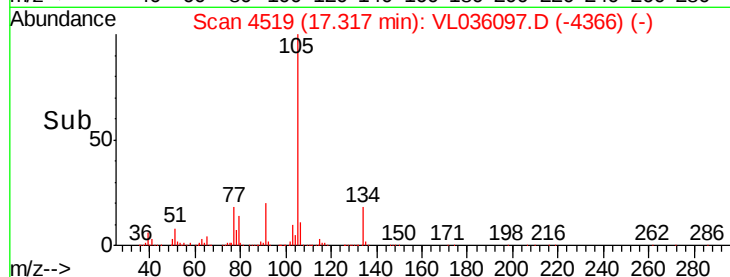
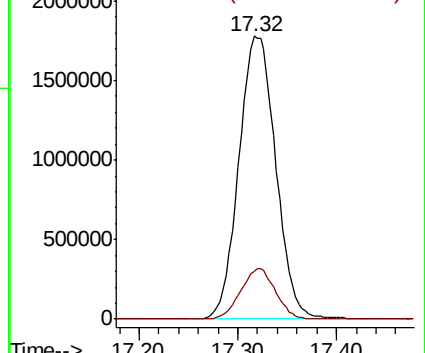
105 100

134 17.0 14.2 21.4



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: 8.764 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

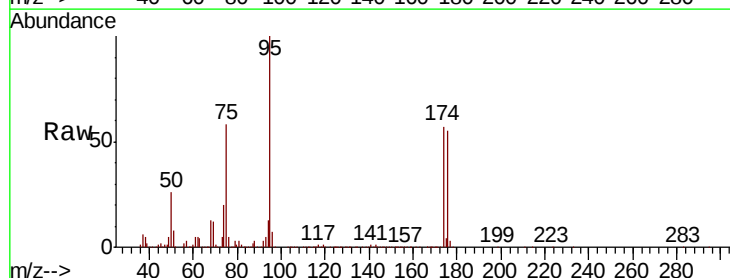
Tgt Ion: 95 Resp: 2164481

Ion Ratio Lower Upper

95 100

174 55.8 50.7 76.1

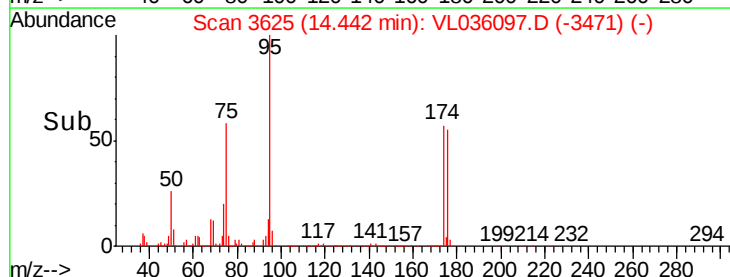
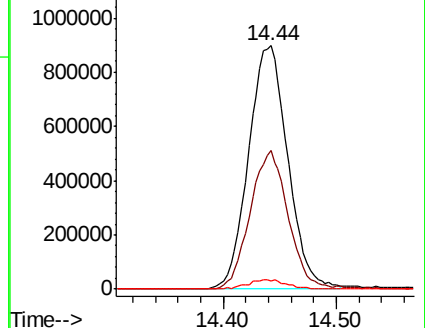
175 4.0 4.0 6.0

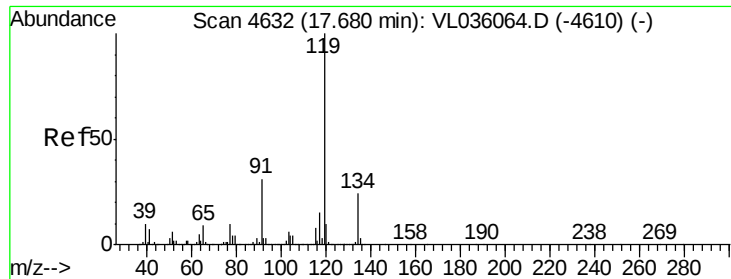


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

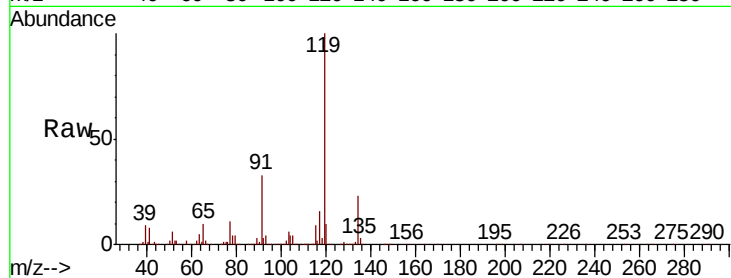




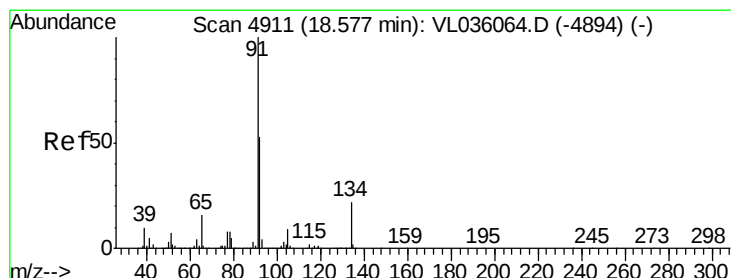
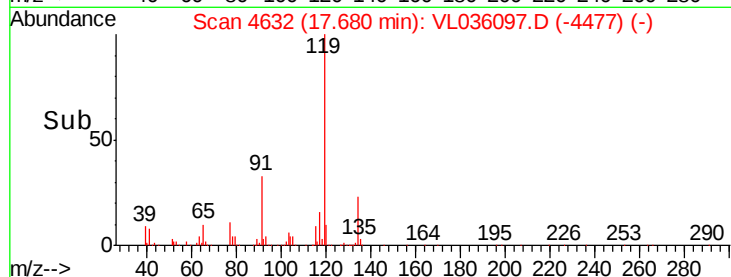
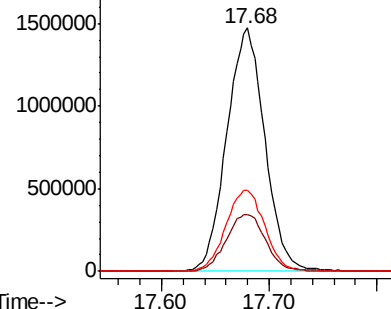
#69
 p-Isopropyltoluene
 Concen: 7.888 ppbv
 RT: 17.68 min Scan# 4632
 Delta R.T. -0.00 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:119 Resp: 3603331
 Ion Ratio Lower Upper
 119 100
 134 24.3 19.8 29.6
 91 34.0 25.8 38.6

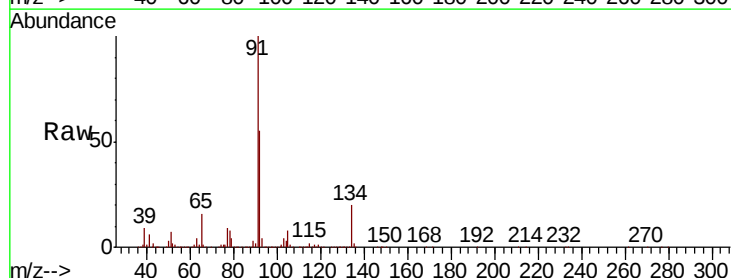


Abundance Ion 119.10 (118.80 to 119.80): V
 2000000 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

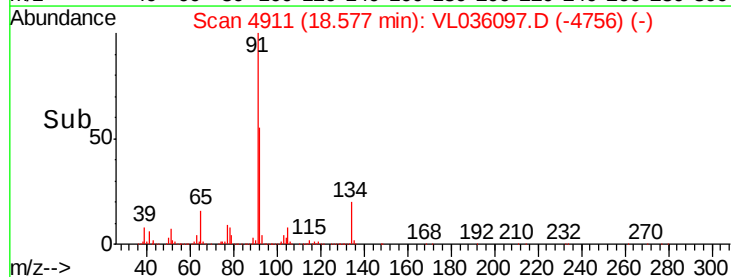
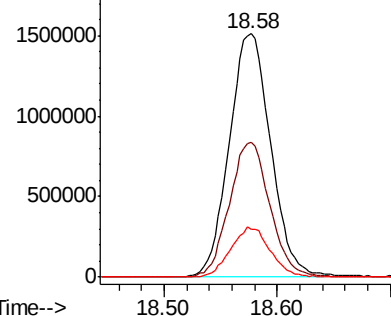


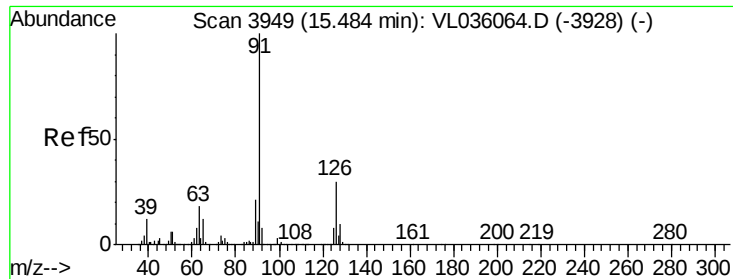
#70
 n-Butylbenzene
 Concen: 8.534 ppbv
 RT: 18.58 min Scan# 4911
 Delta R.T. -0.00 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Tgt Ion: 91 Resp: 3853143
 Ion Ratio Lower Upper
 91 100
 92 54.5 43.3 64.9
 134 19.8 17.1 25.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
 2000000 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V

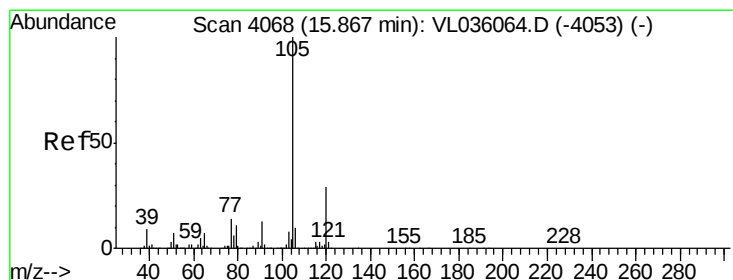
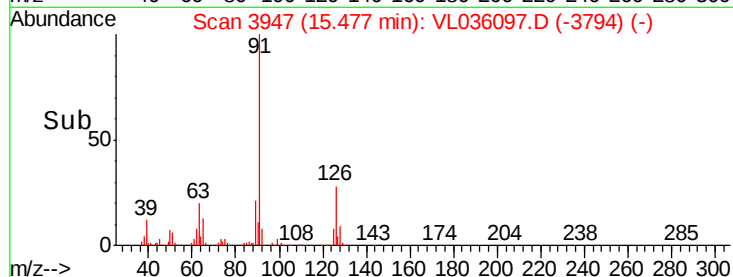
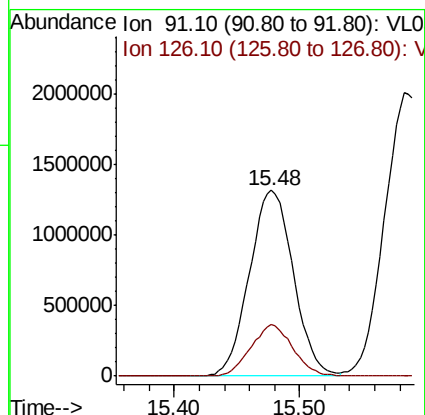
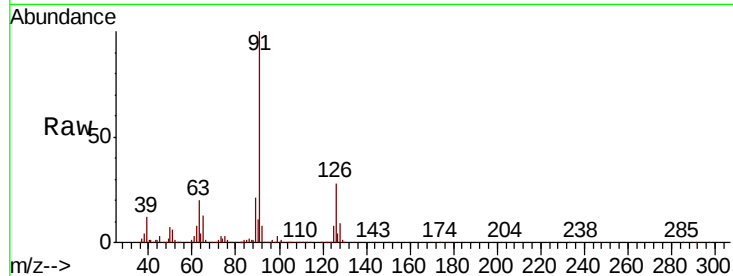




#71
 2-Chlorotoluene
 Concen: 8.477 ppbv
 RT: 15.48 min Scan# 3947
 Delta R.T. -0.01 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

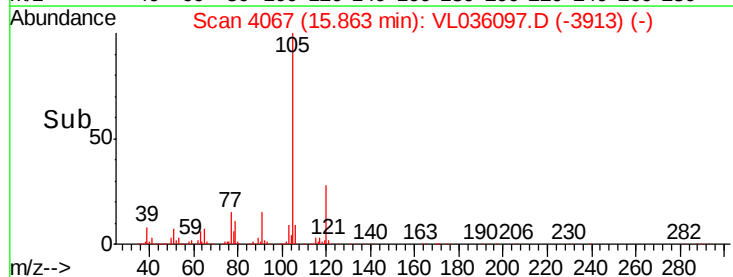
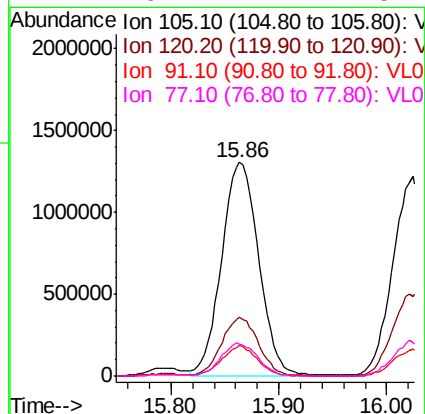
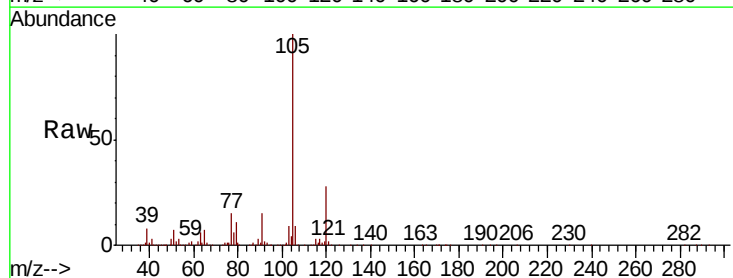
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

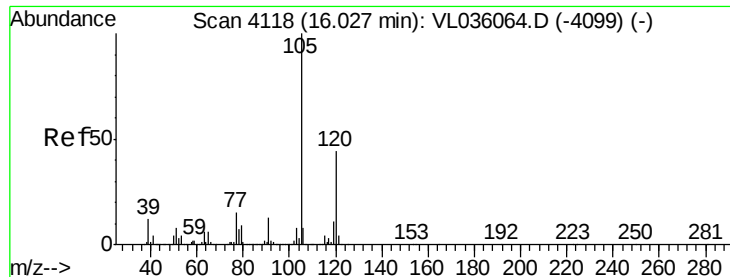
Tot Ion: 91 Resp: 3212744
 Ion Ratio Lower Upper
 91 100
 126 26.7 11.6 46.4



#72
 4-Ethyltoluene
 Concen: 8.542 ppbv
 RT: 15.86 min Scan# 4067
 Delta R.T. -0.00 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Tgt Ion: 105 Resp: 3129817
 Ion Ratio Lower Upper
 105 100
 120 27.3 23.6 35.4
 91 13.4 11.4 17.0
 77 15.4 12.1 18.1



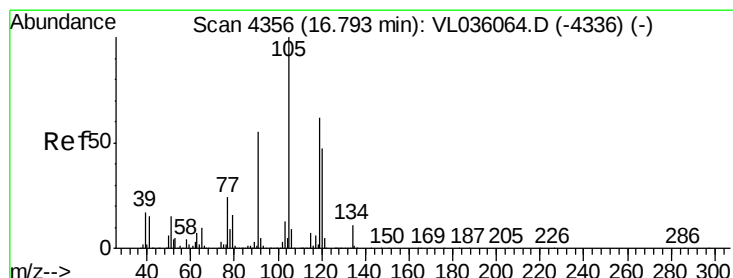
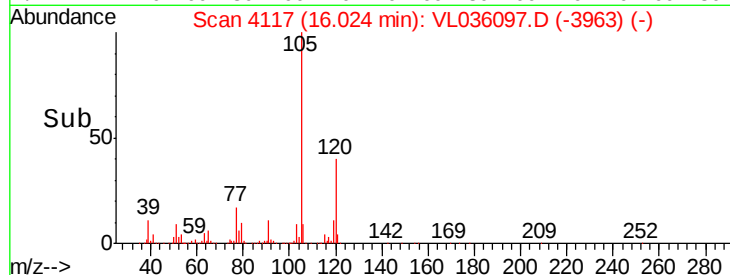
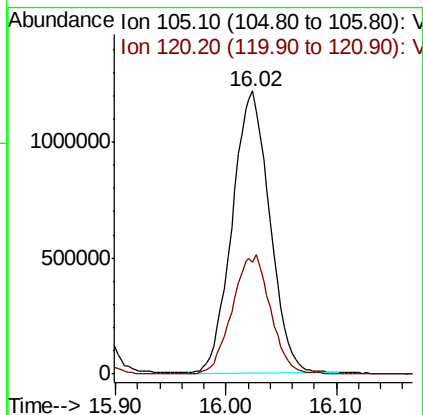
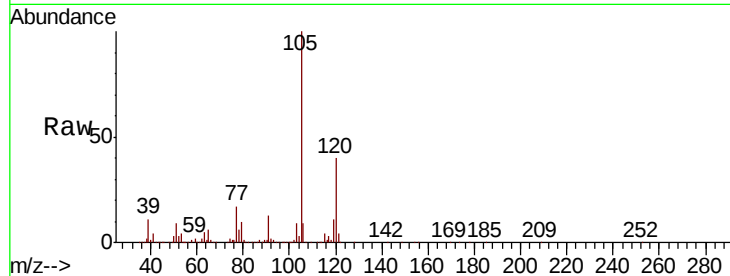


#73

1,3,5-Trimethylbenzene
Concen: 8.180 ppbv
RT: 16.02 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

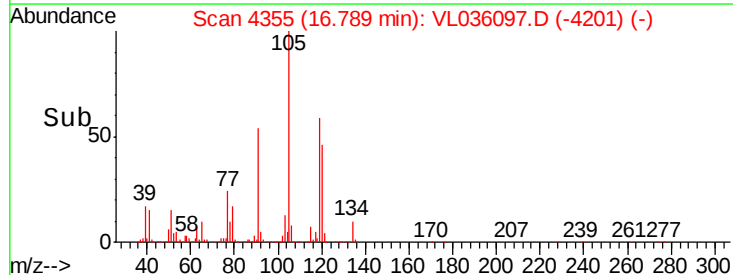
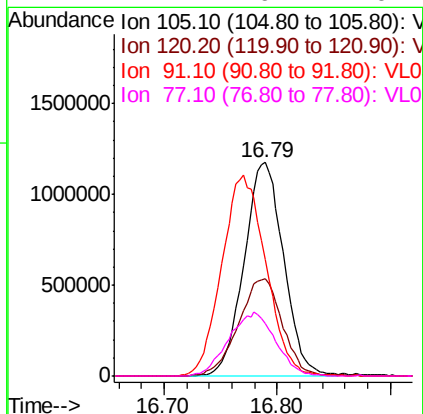
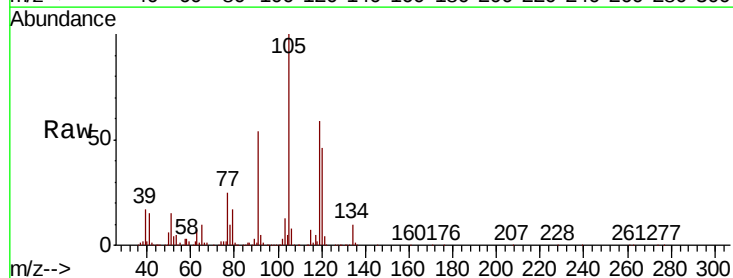
Tot Ion:105 Resp: 2862592
Ion Ratio Lower Upper
105 100
120 39.7 35.4 53.2

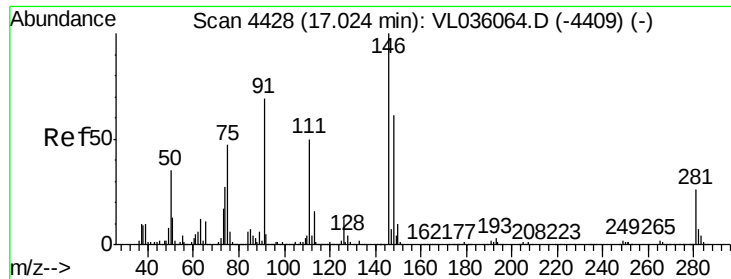


#74

1,2,4-Trimethylbenzene
Concen: 8.099 ppbv
RT: 16.79 min Scan# 4355
Delta R.T. -0.00 min
Lab File: VL036097.D
Acq: 8 Dec 2020 15:07

Tgt Ion:105 Resp: 2844848
Ion Ratio Lower Upper
105 100
120 45.3 37.4 56.0
91 54.1 45.6 68.4
77 24.4 19.4 29.2



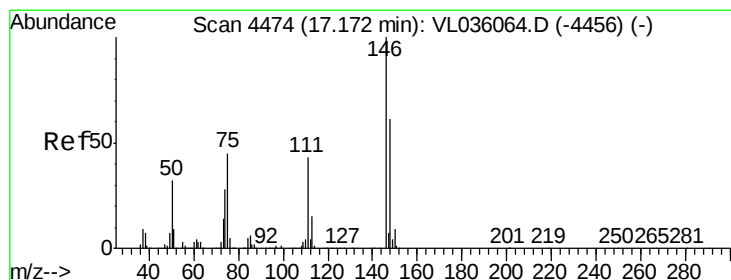
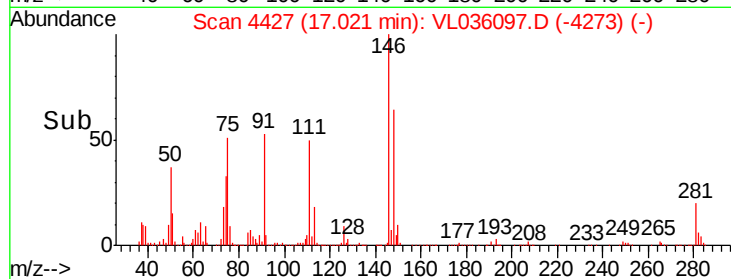
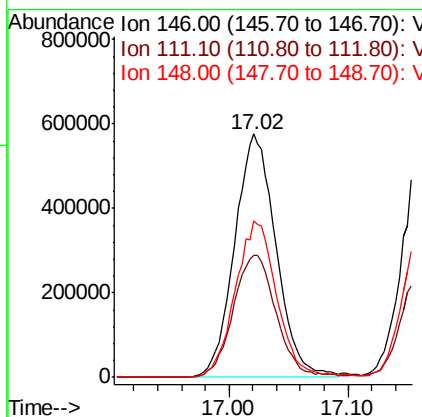
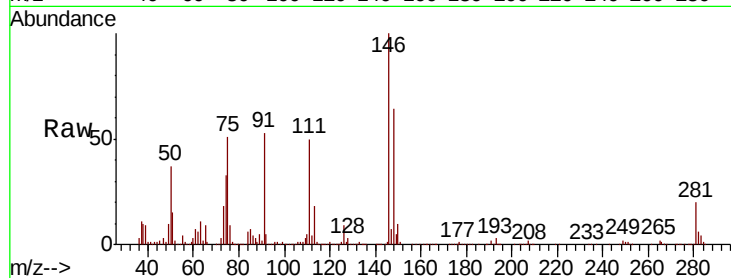


#75
 1,3-Dichlorobenzene
 Concen: 7.882 ppbv
 RT: 17.02 min Scan# 4427
 Delta R.T. -0.00 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 1385837

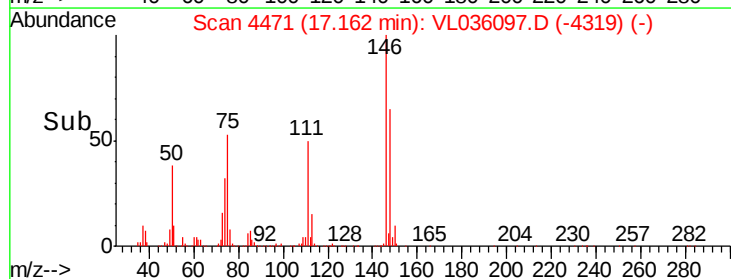
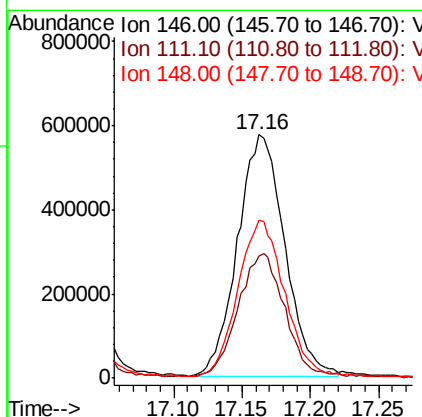
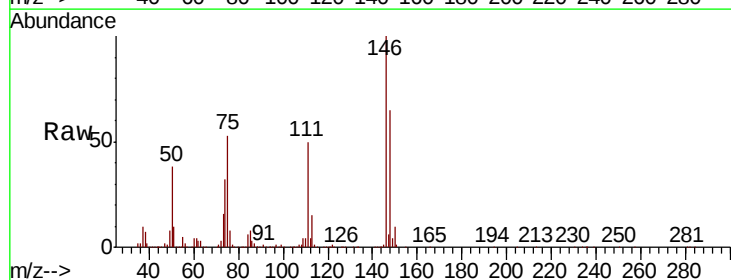
Ion	Ratio	Lower	Upper
146	100		
111	52.3	25.1	75.3
148	64.6	32.9	98.6

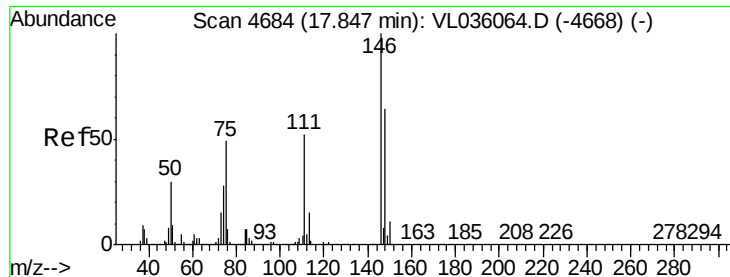


#76
 1,4-Dichlorobenzene
 Concen: 7.715 ppbv
 RT: 17.16 min Scan# 4471
 Delta R.T. -0.01 min
 Lab File: VL036097.D
 Acq: 8 Dec 2020 15:07

Tgt Ion:146 Resp: 1381072

Ion	Ratio	Lower	Upper
146	100		
111	52.0	24.3	72.8
148	66.2	32.8	98.3





#77

1,2-Dichlorobenzene

Concen: 7.846 ppbv

RT: 17.84 min Scan# 4683

Delta R.T. -0.00 min

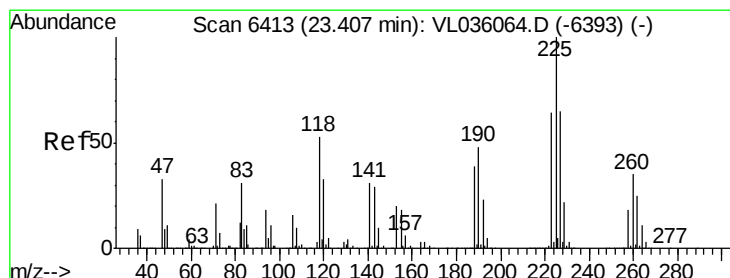
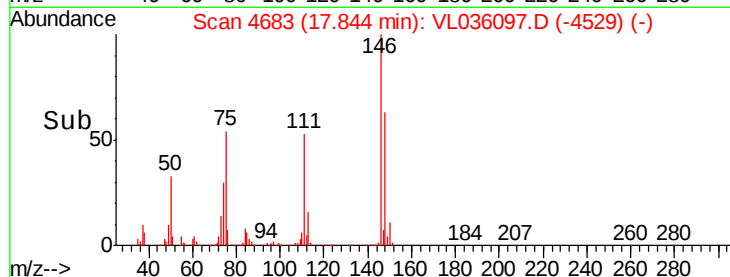
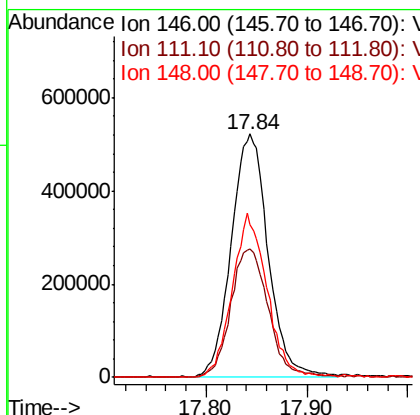
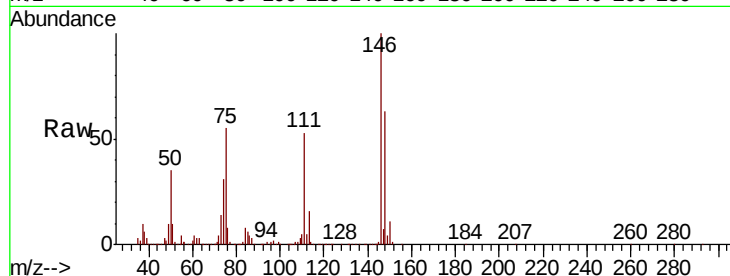
Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:146 Resp: 1317255

Ion	Ratio	Lower	Upper
146	100		
111	53.7	26.1	78.2
148	63.6	33.1	99.5



#78

Hexachloro-1,3-Butadiene

Concen: 7.243 ppbv

RT: 23.40 min Scan# 6412

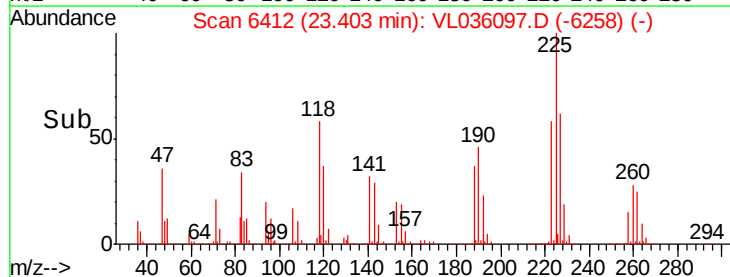
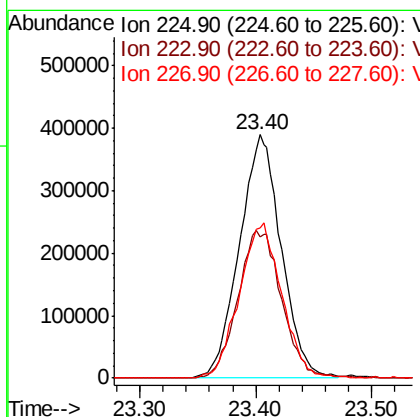
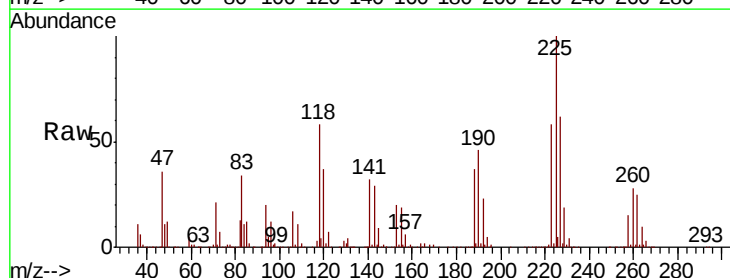
Delta R.T. -0.00 min

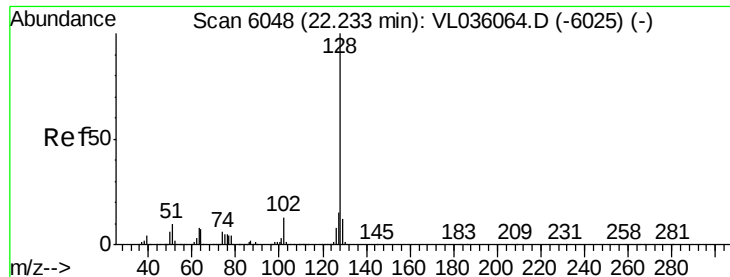
Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Tgt Ion:225 Resp: 974626

Ion	Ratio	Lower	Upper
225	100		
223	63.7	51.1	76.7
227	64.8	51.7	77.5





#79

Naphthalene

Concen: 9.553 ppbv

RT: 22.23 min Scan# 6047

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

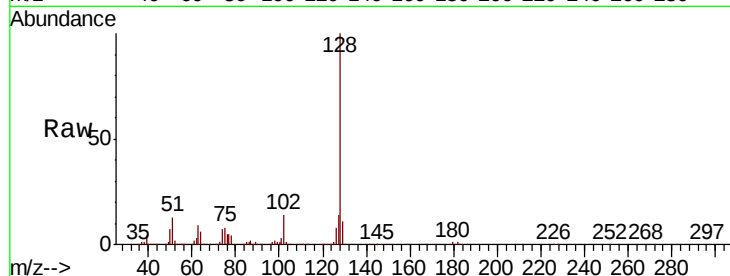
Tot Ion:128 Resp: 1705784

Ion Ratio Lower Upper

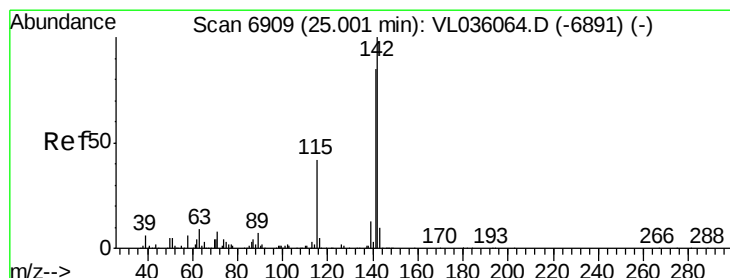
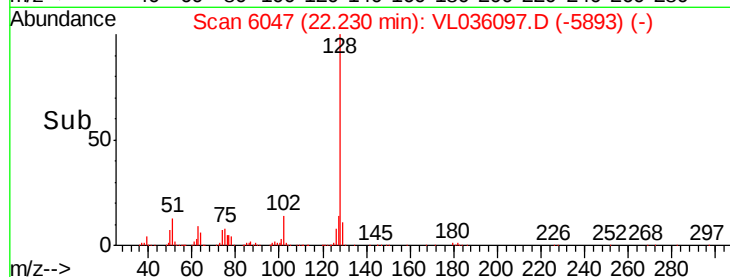
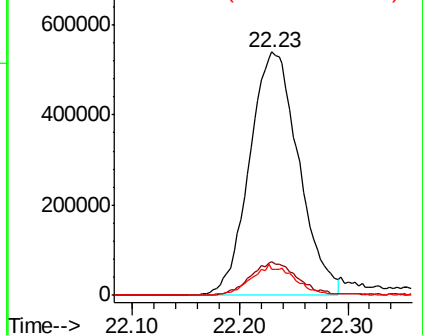
128 100

127 13.9 11.7 17.5

129 10.8 9.3 13.9



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: 17.776 ppbv

RT: 25.00 min Scan# 6909

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

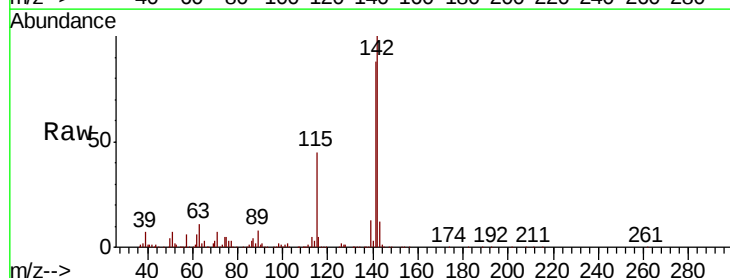
Tgt Ion:142 Resp: 709747

Ion Ratio Lower Upper

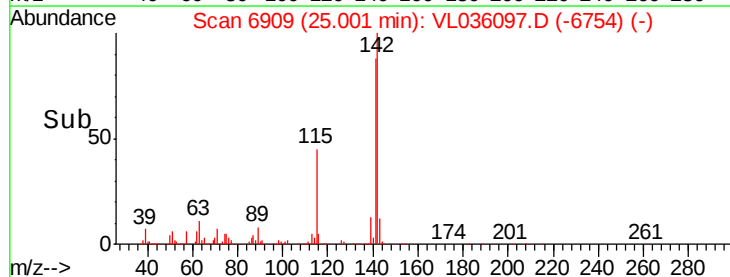
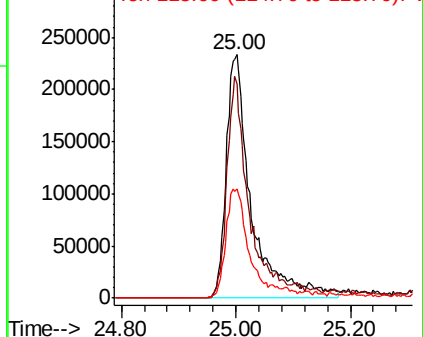
142 100

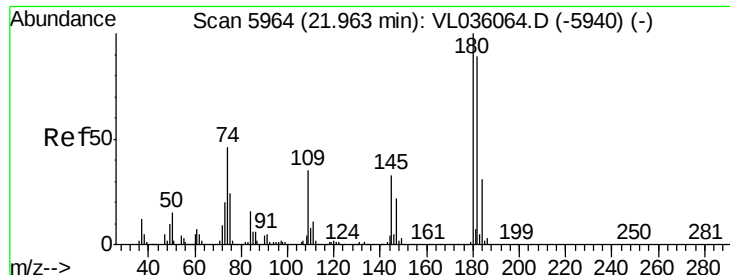
141 80.8 64.3 96.5

115 45.5 33.9 50.9



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: 8.569 ppbv

RT: 21.96 min Scan# 5963

Delta R.T. -0.00 min

Lab File: VL036097.D

Acq: 8 Dec 2020 15:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

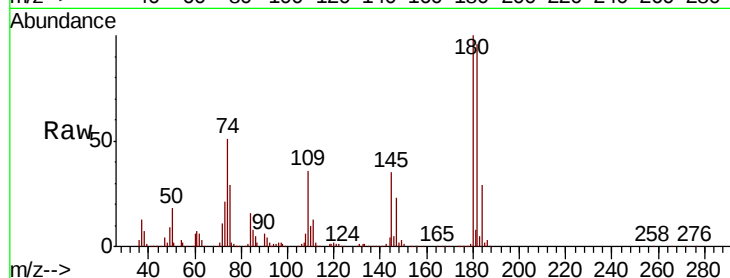
Tot Ion:180 Resp: 1022249

Ion Ratio Lower Upper

180 100

182 97.2 0.0 0.0#

184 30.7 0.0 0.0#



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

