

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036212.D
 Acq On : 13 Jan 2021 3:54
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Quant Time: Jan 13 05:48:30 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13 05:46:16 2021
 QLast Update : Wed Jan 13 05:46:16 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1595754	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3405391	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3172074	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2611155	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	243925	1.302	ppbv 96
3) Chlorodifluoromethane	2.99	51	208602	1.143	ppbv 99
4) Chloromethane	3.14	50	60667	0.675	ppbv 99
5) Vinyl Chloride	3.25	62	40899	0.413	ppbv 94
6) Bromomethane	3.47	94	46322	0.914	ppbv 93
7) Chloroethane	3.56	64	30806	0.924	ppbv # 85
8) Dichlorotetrafluoroethane	3.18	85	211279	1.037	ppbv 92
9) Propene	3.01	41	98079	1.083	ppbv 96
10) Heptane	8.12	43	241921	1.047	ppbv 95
11) Trichlorofluoromethane	3.95	101	215906	1.005	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	144563	1.008	ppbv 98
13) Ethanol	3.61	45	5297	0.422	ppbv # 1
14) Bromoethene	3.74	108	33480	0.563	ppbv # 24
15) Acetone	3.85	43	203334	1.077	ppbv # 88
16) 1,3-Butadiene	3.32	39	87913	0.922	ppbv 89
17) tert-Butyl alcohol	4.30	59	152438	0.857	ppbv # 91
18) 1,1-Dichloroethene	4.29	96	56551	0.888	ppbv 88
19) Isopropyl Alcohol	3.97	45	63542	0.551	ppbv # 84
20) Methylene Chloride	4.34	84	61091	0.807	ppbv # 75
21) Allyl Chloride	4.41	41	101558	0.829	ppbv 88
22) trans-1,2-Dichloroethene	4.88	96	29620	0.467	ppbv 95
23) Vinyl Acetate	5.07	43	200536	0.799	ppbv # 98
24) 1,1-Dichloroethane	5.01	63	132533	0.750	ppbv 99
25) Ethyl Acetate	5.68	43	395183	1.046	ppbv 99
26) Hexane	5.68	57	165504	0.974	ppbv 93
27) Carbon Disulfide	4.55	76	119394	0.731	ppbv # 91
28) Methyl tert-Butyl Ether	5.04	73	227148	0.961	ppbv 99
29) Chloroform	5.75	83	129096	0.573	ppbv 93
30) Cyclohexane	7.12	84	126695	0.998	ppbv 92
31) cis-1,2-Dichloroethene	5.54	61	153722	0.988	ppbv 90
32) 1,1,1-Trichloroethane	6.51	97	231578	0.997	ppbv 97
34) 2-Butanone	5.25	43	213876	0.935	ppbv # 88
35) Carbon Tetrachloride	7.01	117	223603	1.126	ppbv 97
36) Benzene	6.89	78	339463	1.171	ppbv 97
37) 1,2-Dichloroethane	6.30	62	197746	1.170	ppbv 98
38) Trichloroethene	7.83	130	108128	1.010	ppbv 95
39) 1,2-Dichloropropane	7.61	63	133138	1.160	ppbv 92
40) 1,4-Dioxane	7.82	88	1113	0.031	ppbv # 1
41) Tetrahydrofuran	6.06	42	110651	0.825	ppbv # 84
42) Bromodichloromethane	7.79	83	247584	1.110	ppbv # 93
43) Methyl Methacrylate	8.01	69	83835	0.674	ppbv # 1

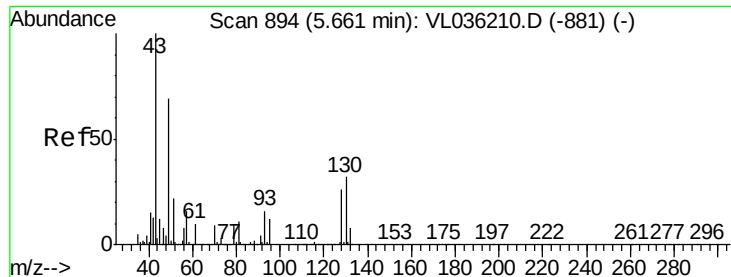
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036212.D
 Acq On : 13 Jan 2021 3:54
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Quant Time: Jan 13 05:48:30 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13 05:46:16 2021
 QLast Update : Wed Jan 13 05:46:16 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	649979	1.243	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	65580	0.515	ppbv	93
46) cis-1,3-Dichloropropene	8.70	75	159109	0.991	ppbv	95
47) 1,1,2-Trichloroethane	9.47	97	126115	1.139	ppbv	96
48) Dibromochloromethane	10.29	129	77399	0.467	ppbv #	10
49) Bromoform	13.04	173	129876	0.991	ppbv	94
50) 4-Methyl-2-Pentanone	8.74	43	395067	1.162	ppbv	99
51) 2-Hexanone	10.14	43	299646	1.112	ppbv #	98
52) Tetrachloroethene	11.21	164	55815	0.536	ppbv	95
53) Toluene	9.80	91	173719	0.534	ppbv #	20
54) 1,2-Dibromoethane	10.61	107	186482	1.124	ppbv	90
56) 1,1,1,2-Tetrachloroethane	12.13	131	64865	0.494	ppbv #	1
57) Chlorobenzene	12.14	112	143384	0.641	ppbv #	96
58) Ethyl Benzene	12.71	91	503440	1.150	ppbv	99
59) m/p-Xylene	12.99	91	439447	1.195	ppbv #	29
60) o-Xylene	13.69	91	441706	1.272	ppbv	97
61) Styrene	13.52	104	261852	1.162	ppbv	99
62) Isopropylbenzene	14.66	105	661297	1.280	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	310539	1.317	ppbv	99
64) n-propylbenzene	15.56	120	155351	1.242	ppbv	75
65) tert-Butylbenzene	16.74	119	564677	1.329	ppbv	94
66) Benzyl Chloride	16.99	91	99765	0.915	ppbv #	94
67) sec-Butylbenzene	17.29	105	826270	1.376	ppbv	97
69) p-Isopropyltoluene	17.65	119	628799	1.315	ppbv	98
70) n-Butylbenzene	18.55	91	682207	1.419	ppbv	99
71) 2-Chlorotoluene	15.45	91	508724	1.289	ppbv	96
72) 4-Ethyltoluene	15.83	105	254684	0.669	ppbv #	58
73) 1,3,5-Trimethylbenzene	16.00	105	462113	1.268	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	481291	1.317	ppbv #	95
75) 1,3-Dichlorobenzene	16.99	146	247961	1.344	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	226756	1.207	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	203945	1.141	ppbv	83
78) Hexachloro-1,3-Butadiene	23.38	225	199506	1.413	ppbv	97
79) Naphthalene	22.21	128	110829	0.566	ppbv	95
80) Naphthalene, 2-methyl-	25.02	142	34579	0.865	ppbv #	75
81) 1,2,4-Trichlorobenzene	21.92	180	55249	0.444	ppbv #	10

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

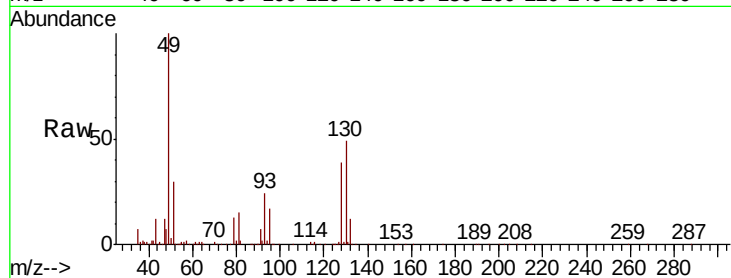
Tot Ion: 49 Resp: 1595754

Ion	Ratio	Lower	Upper
49	100		
128	39.8	20.1	60.2
130	51.4	25.3	75.9

49 100

128 39.8 20.1 60.2

130 51.4 25.3 75.9

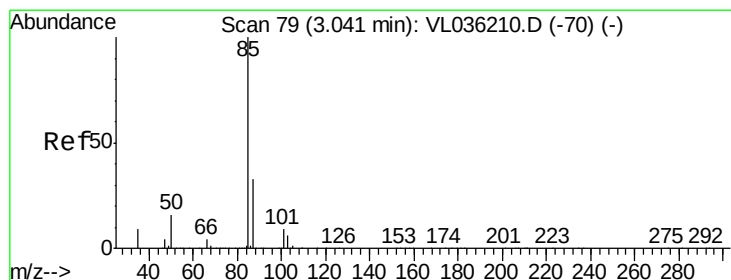
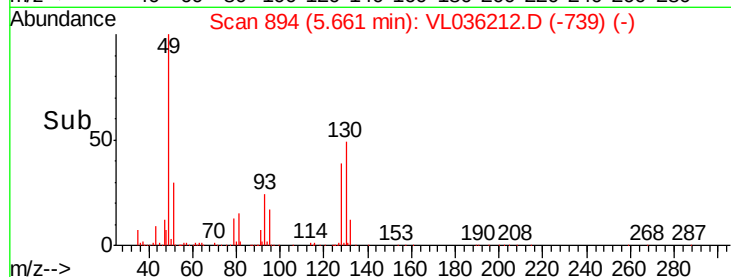
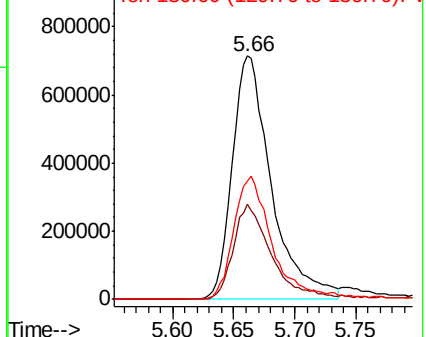


Abundance

Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 1.302 ppbv

RT: 3.04 min Scan# 80

Delta R.T. 0.00 min

Lab File: VL036212.D

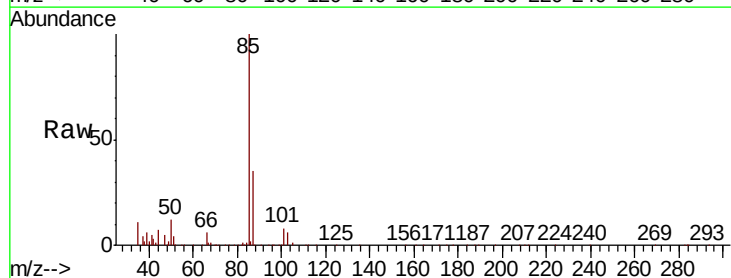
Acq: 13 Jan 2021 3:54

Tgt Ion: 85 Resp: 243925

Ion	Ratio	Lower	Upper
85	100		
87	35.4	26.4	39.6

85 100

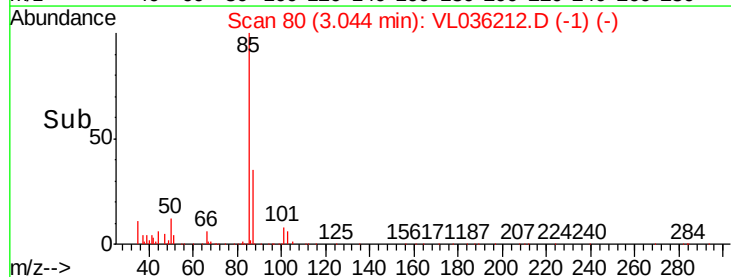
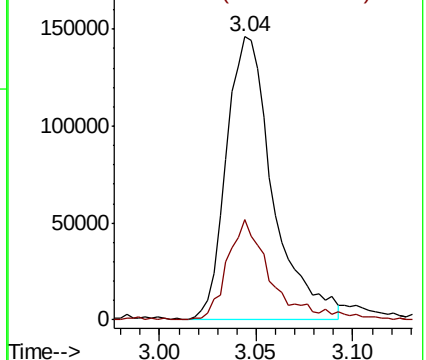
87 35.4 26.4 39.6

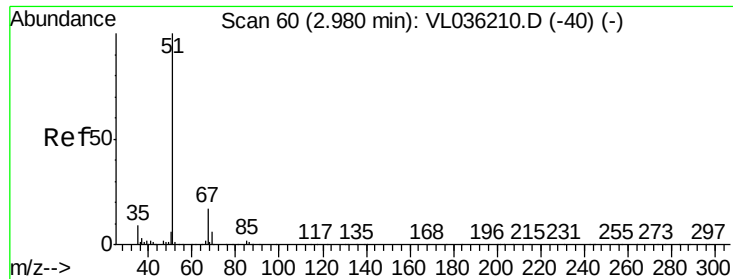


Abundance

Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.143 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

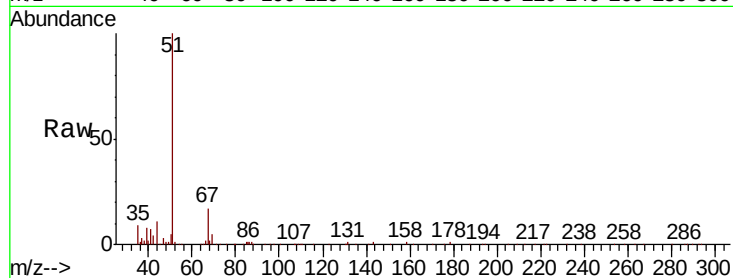
VSTDIC001

Tot Ion: 51 Resp: 208602

Ion Ratio Lower Upper

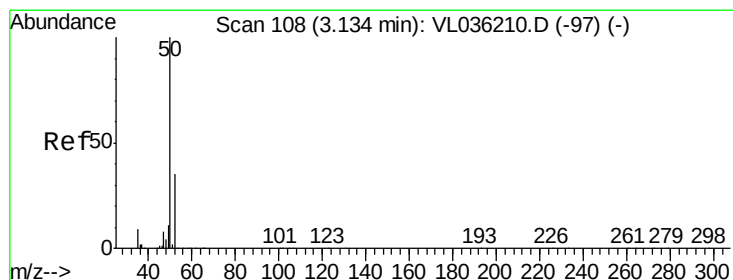
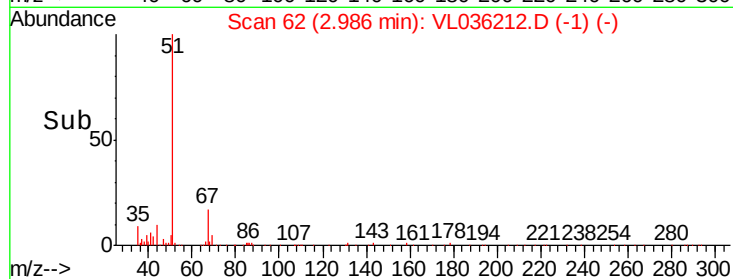
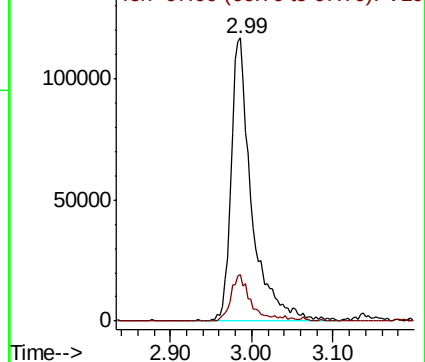
51 100

67 17.0 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.675 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL036212.D

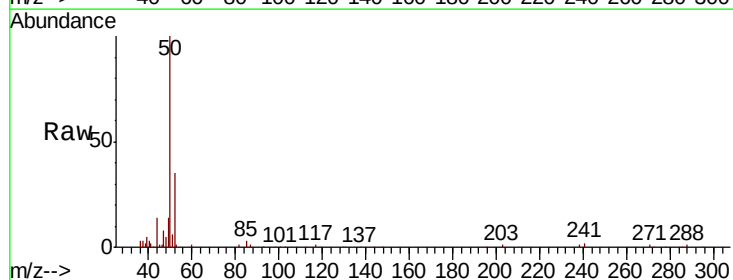
Acq: 13 Jan 2021 3:54

Tgt Ion: 50 Resp: 60667

Ion Ratio Lower Upper

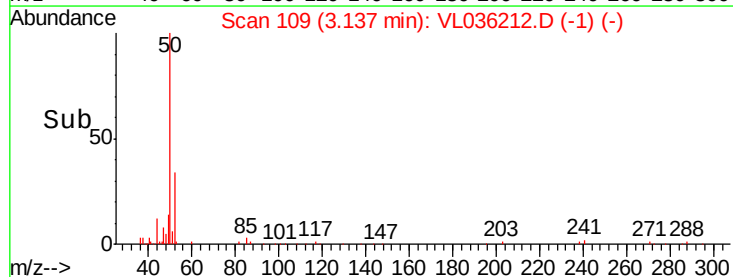
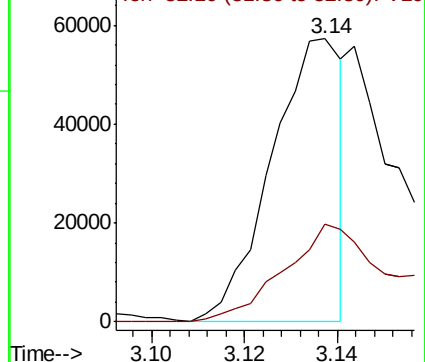
50 100

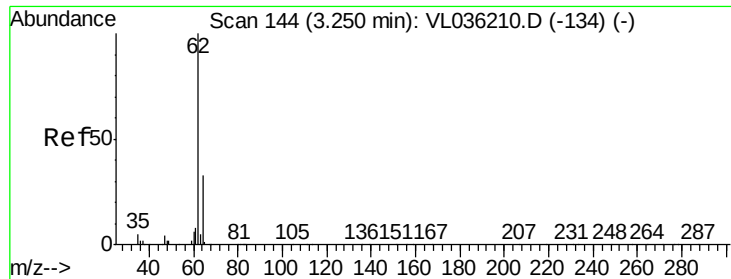
52 34.2 27.8 41.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.413 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

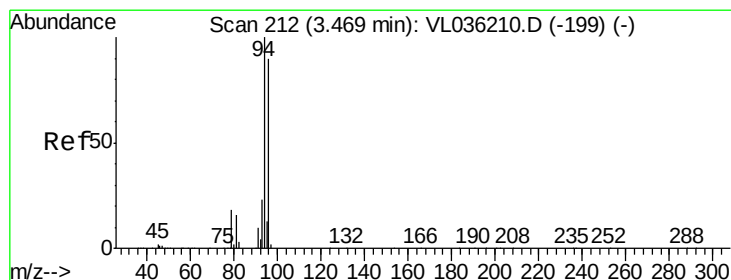
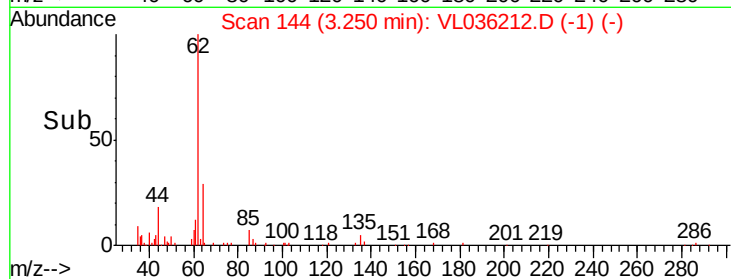
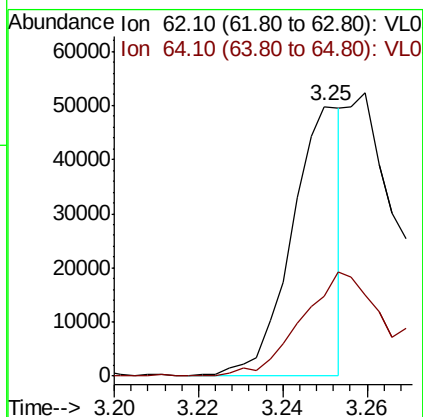
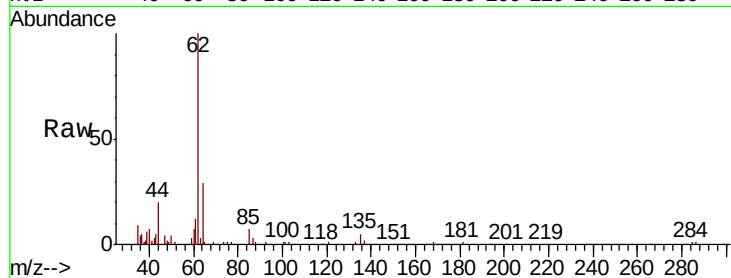
VSTDIC001

Tot Ion: 62 Resp: 40899

Ion Ratio Lower Upper

62 100

64 29.4 26.2 39.2



#6

Bromomethane

Concen: 0.914 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL036212.D

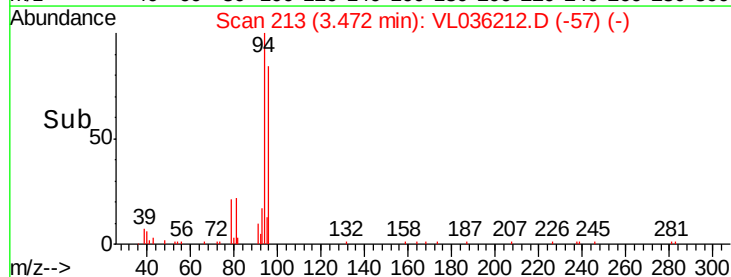
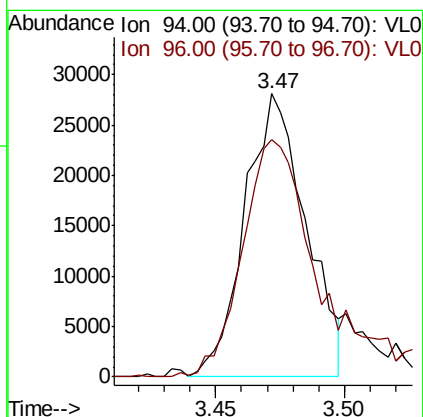
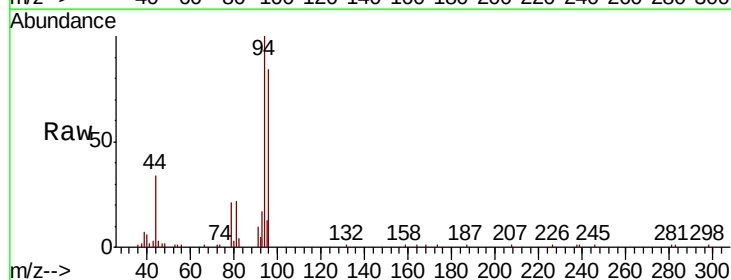
Acq: 13 Jan 2021 3:54

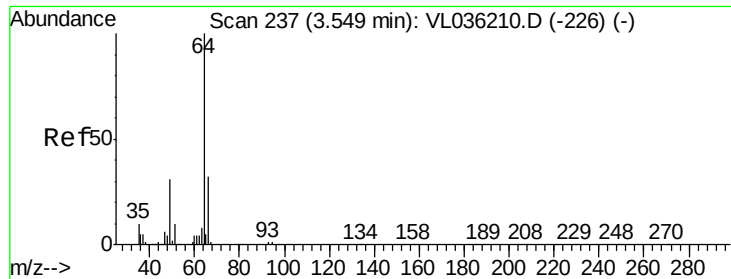
Tgt Ion: 94 Resp: 46322

Ion Ratio Lower Upper

94 100

96 83.2 71.9 107.9





#7

Chloroethane

Concen: 0.924 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

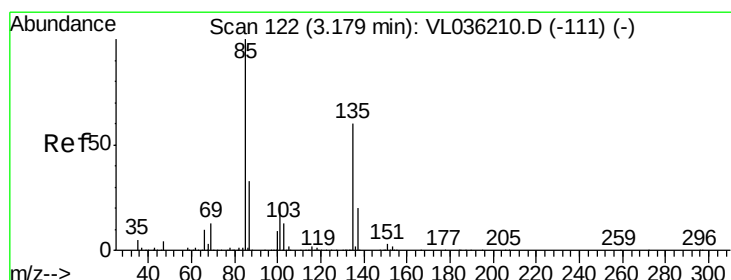
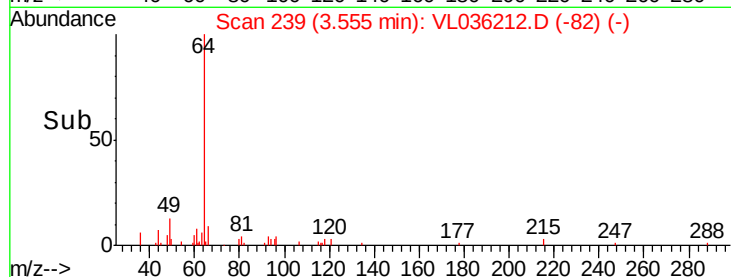
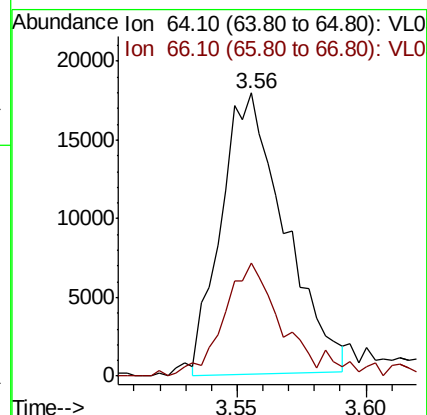
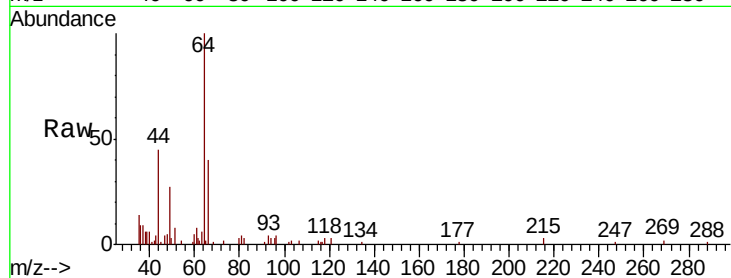
VSTDIC001

Tot Ion: 64 Resp: 30806

Ion Ratio Lower Upper

64 100

66 39.9 25.2 37.8#



#8

Dichlorotetrafluoroethane

Concen: 1.037 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL036212.D

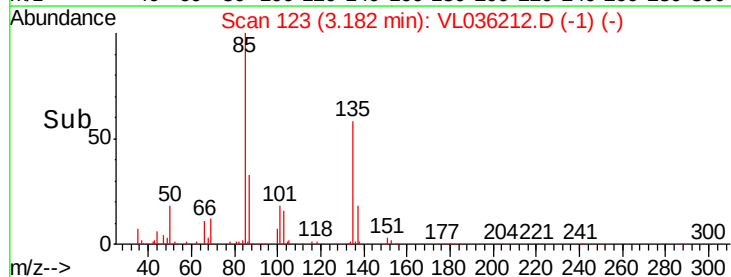
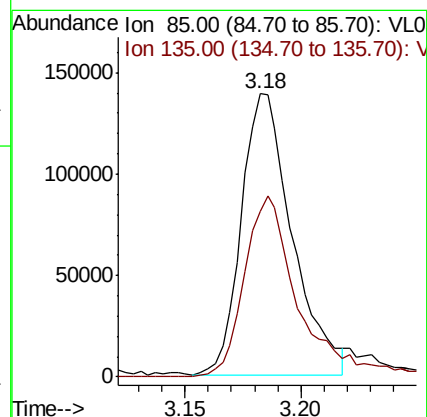
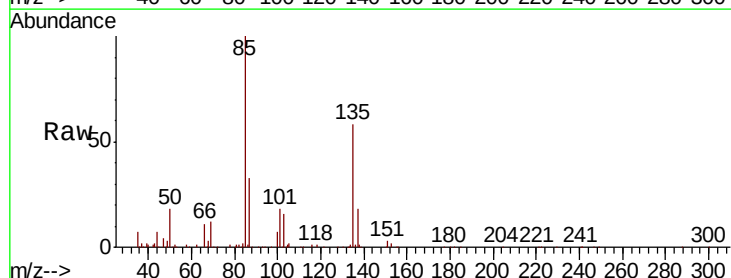
Acq: 13 Jan 2021 3:54

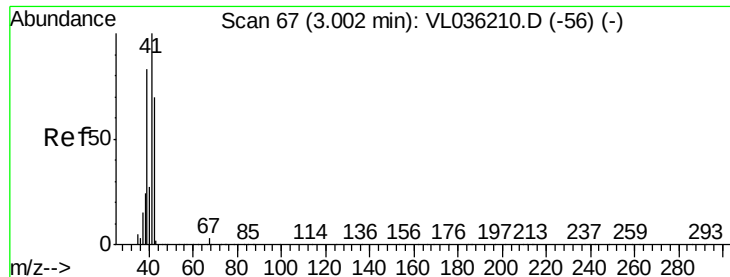
Tgt Ion: 85 Resp: 211279

Ion Ratio Lower Upper

85 100

135 70.6 51.5 77.3





#9

Propene

Concen: 1.083 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

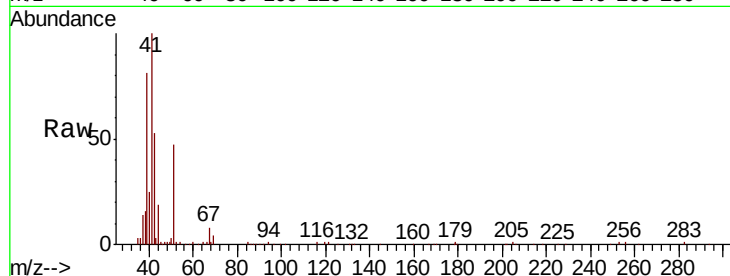
VSTDIC001

Tot Ion: 41 Resp: 98079

Ion Ratio Lower Upper

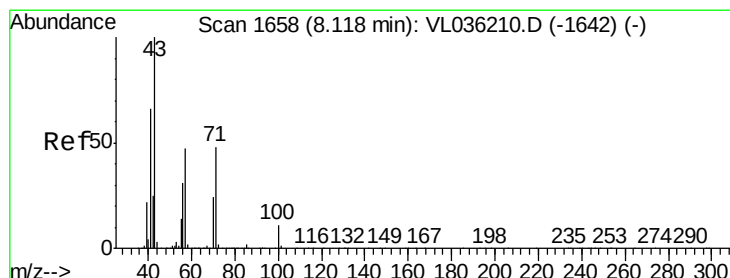
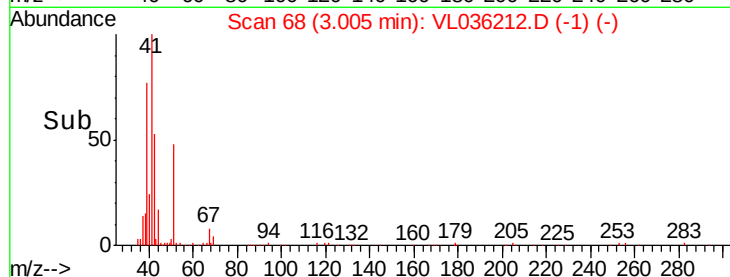
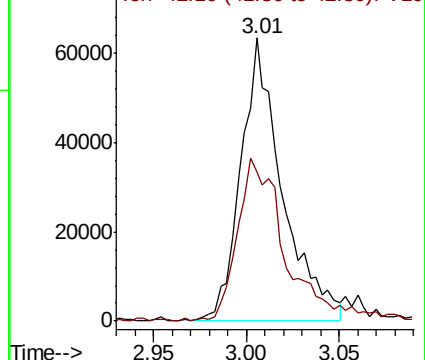
41 100

42 68.5 57.1 85.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 1.047 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VL036212.D

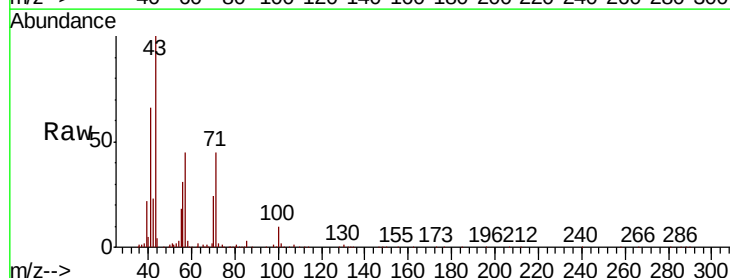
Acq: 13 Jan 2021 3:54

Tgt Ion: 43 Resp: 241921

Ion Ratio Lower Upper

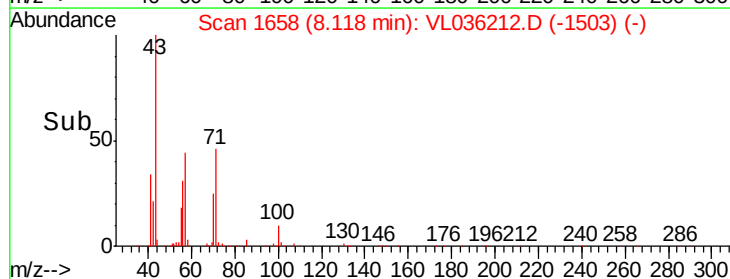
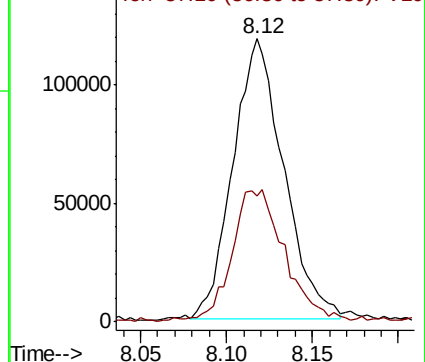
43 100

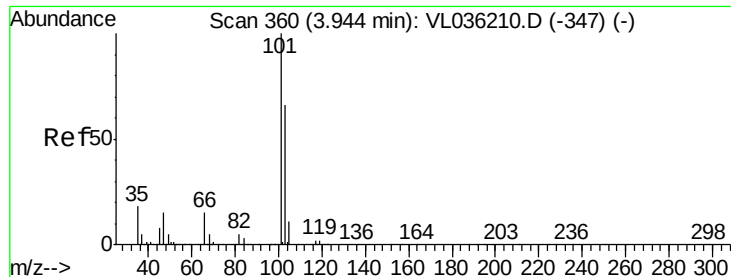
57 50.8 38.1 57.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

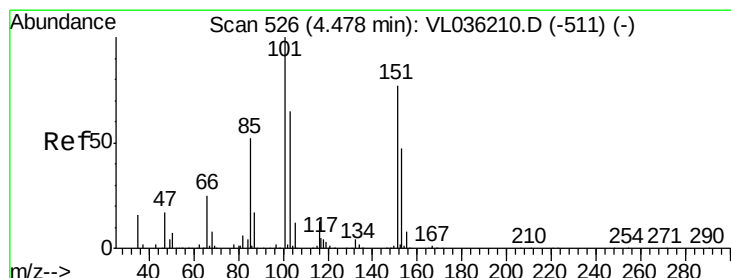
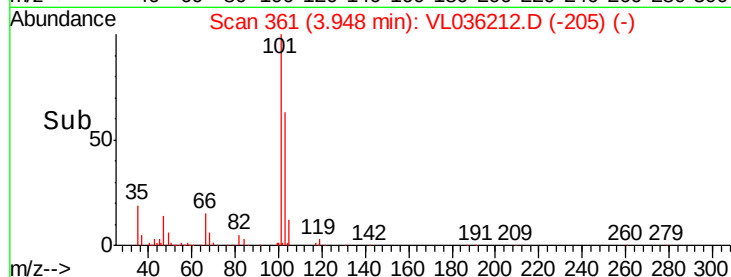
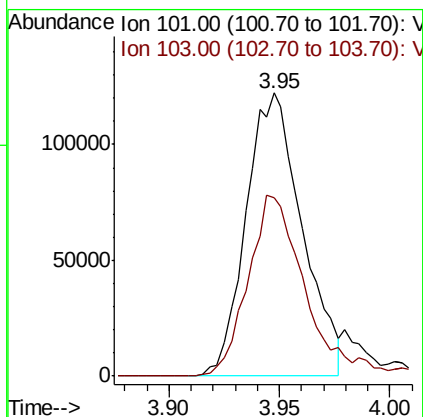
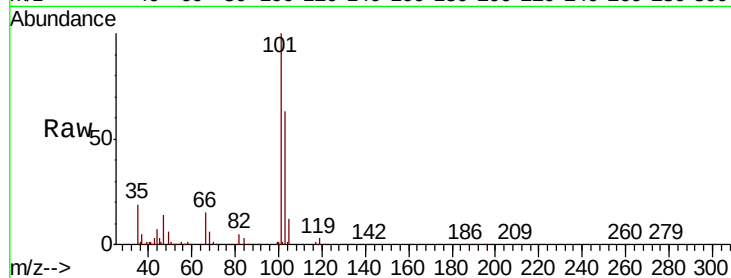




#11
 Trichlorofluoromethane
 Concen: 1.005 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

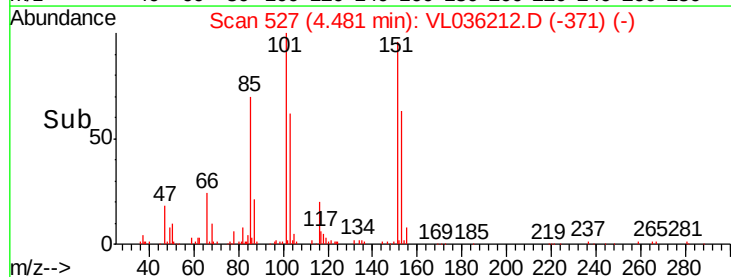
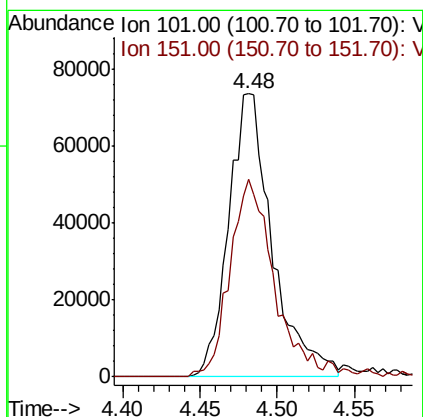
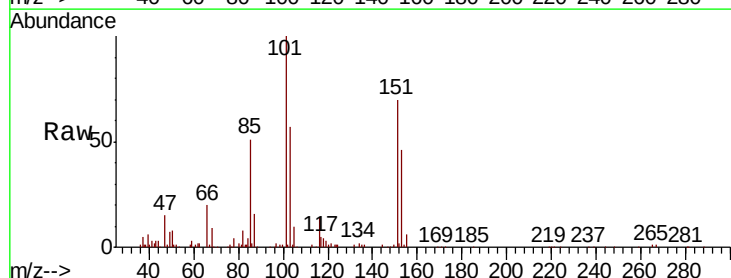
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

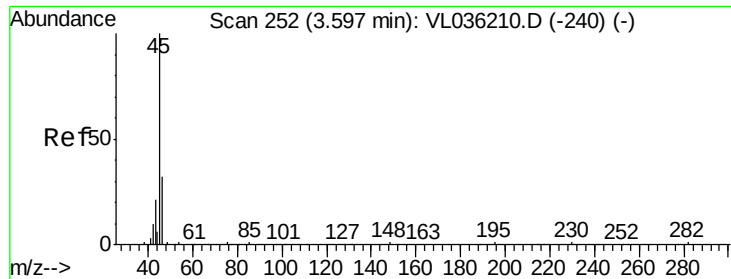
Tot Ion:101 Resp: 215906
 Ion Ratio Lower Upper
 101 100
 103 62.9 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.008 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

Tgt Ion:101 Resp: 144563
 Ion Ratio Lower Upper
 101 100
 151 73.1 59.8 89.6





#13

Ethanol

Concen: 0.422 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.02 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

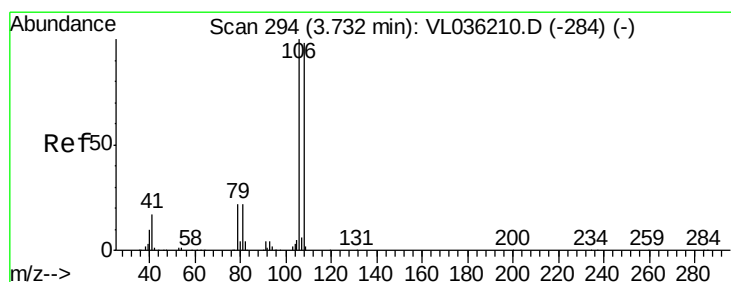
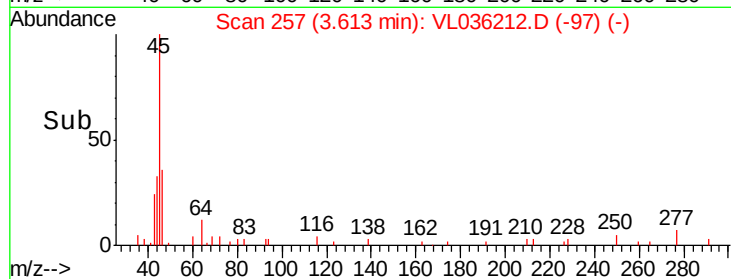
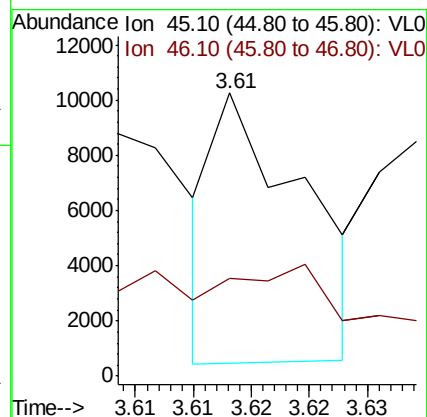
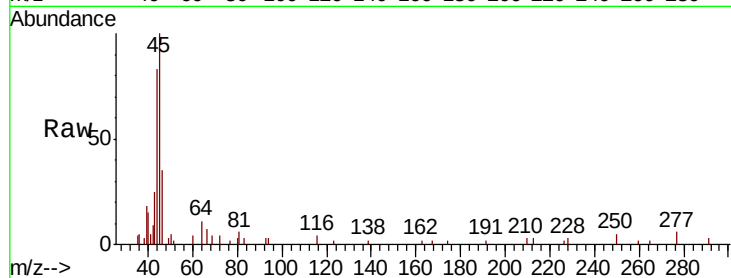
VSTDIC001

Tot Ion: 45 Resp: 5297

Ion Ratio Lower Upper

45 100

46 198.0 19.2 77.0#



#14

Bromoethene

Concen: 0.563 ppbv

RT: 3.74 min Scan# 296

Delta R.T. 0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

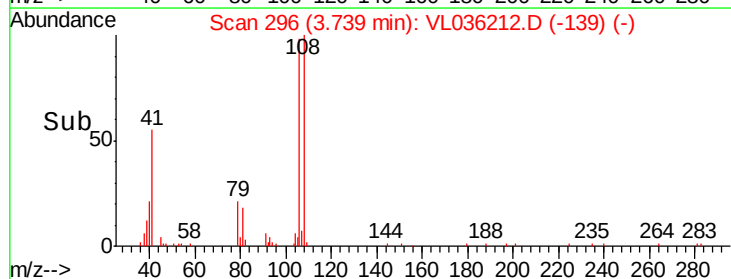
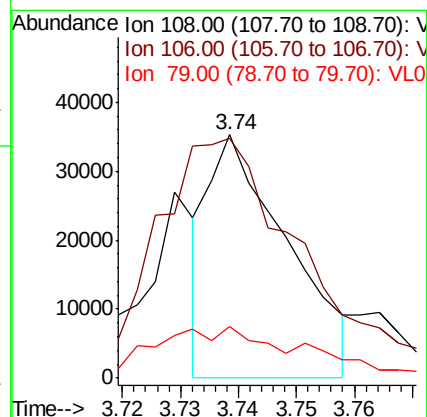
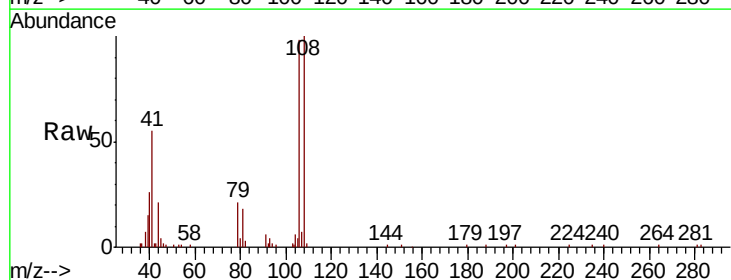
Tgt Ion: 108 Resp: 33480

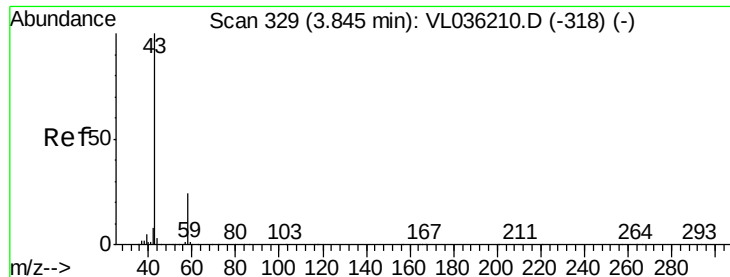
Ion Ratio Lower Upper

108 100

106 201.2 91.4 137.2#

79 49.0 18.3 27.5#

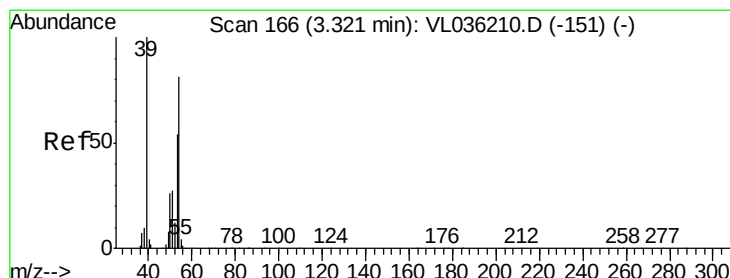
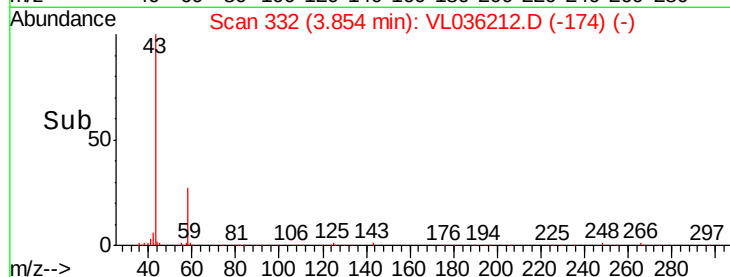
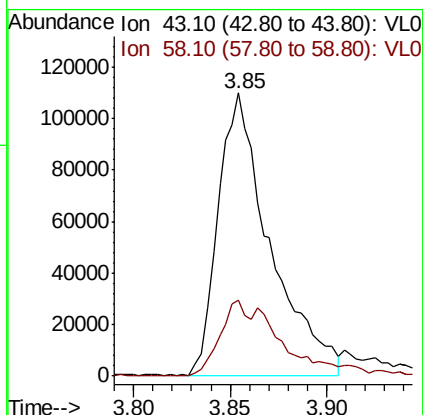
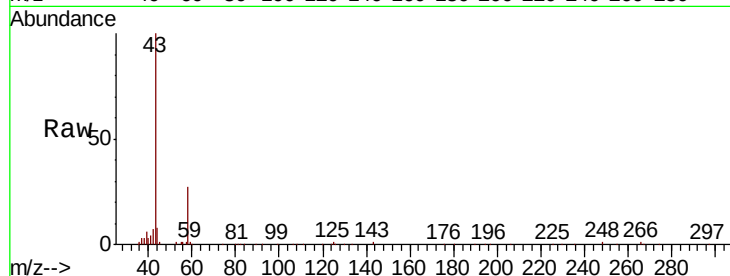




#15
Acetone
Concen: 1.077 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

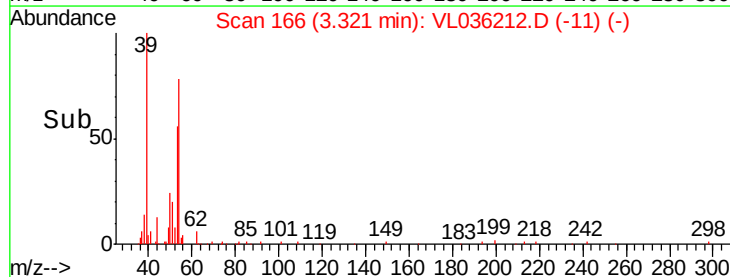
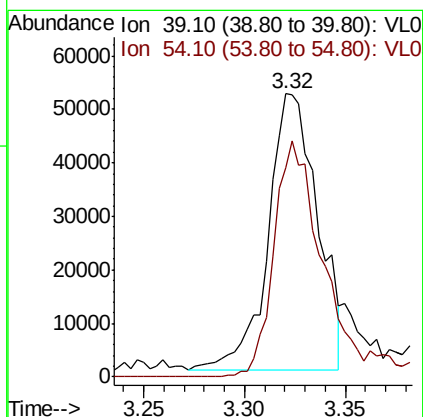
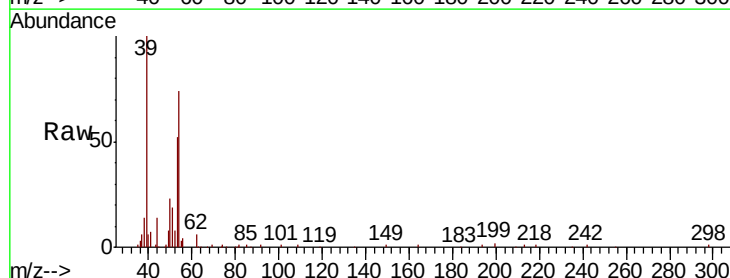
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

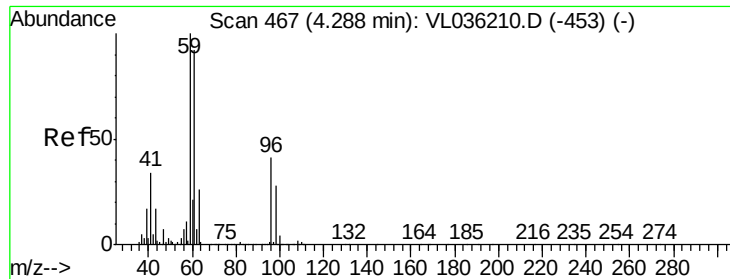
Tot Ion: 43 Resp: 203334
Ion Ratio Lower Upper
43 100
58 32.4 20.9 31.3#



#16
1,3-Butadiene
Concen: 0.922 ppbv
RT: 3.32 min Scan# 166
Delta R.T. -0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Tgt Ion: 39 Resp: 87913
Ion Ratio Lower Upper
39 100
54 87.4 62.5 93.7



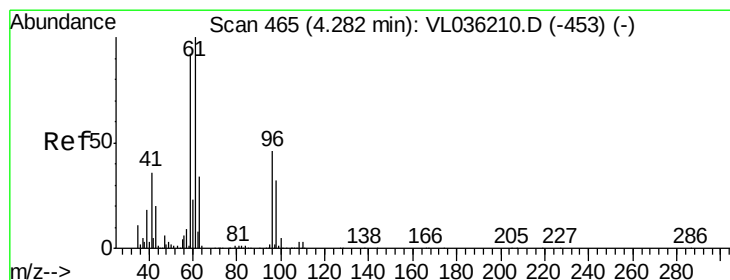
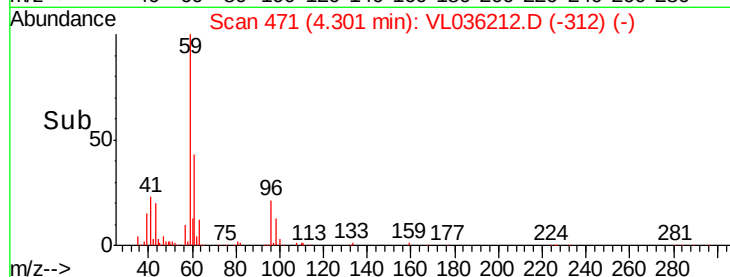
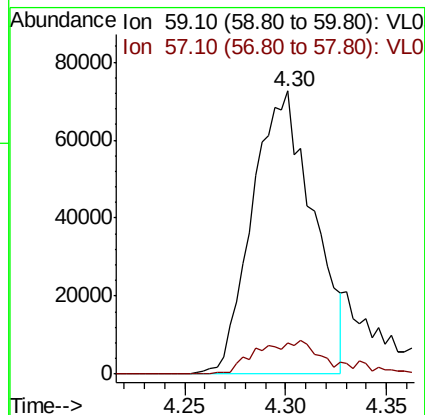
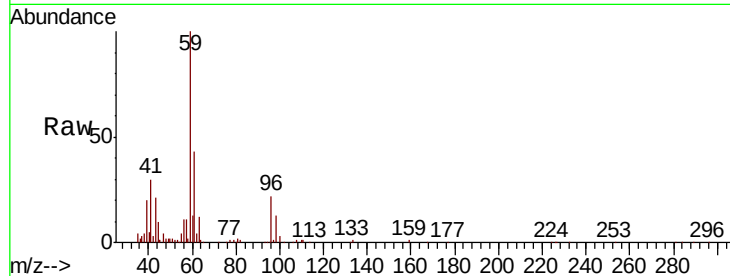


#17

tert-Butyl alcohol
Concen: 0.857 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.01 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

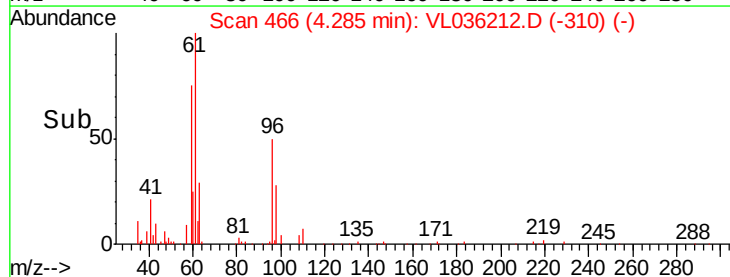
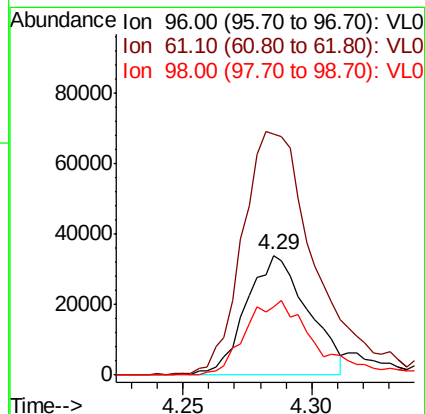
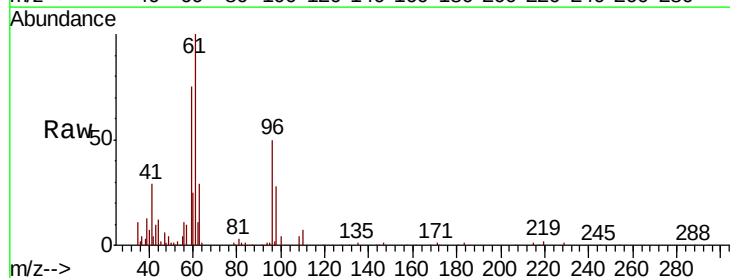
Tot Ion: 59 Resp: 152438
Ion Ratio Lower Upper
59 100
57 15.1 9.2 13.8#

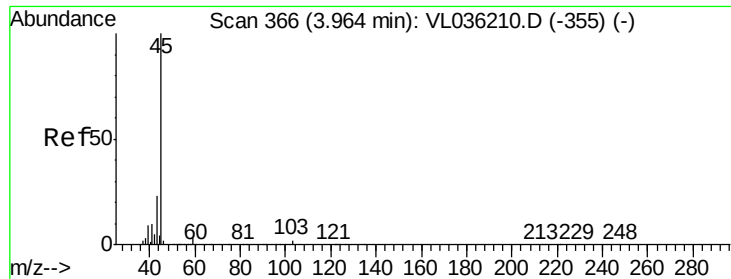


#18

1,1-Dichloroethene
Concen: 0.888 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Tgt Ion: 96 Resp: 56551
Ion Ratio Lower Upper
96 100
61 200.0 173.4 260.0
98 55.3 54.9 82.3





#19

Isopropyl Alcohol

Concen: 0.551 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

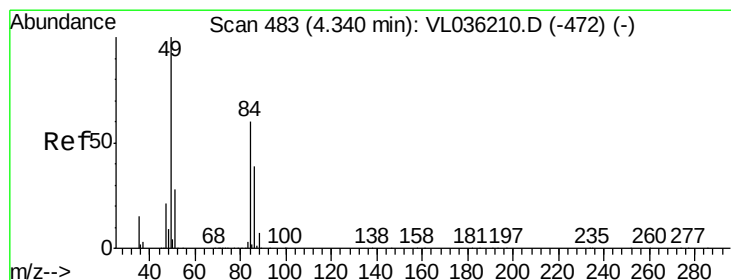
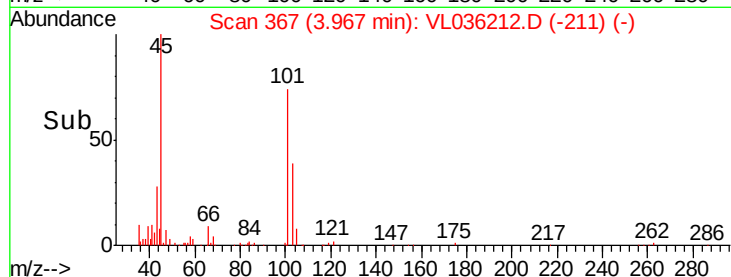
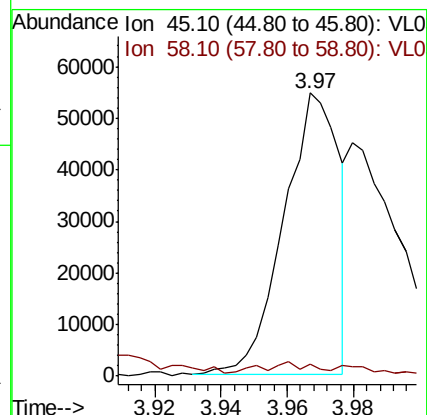
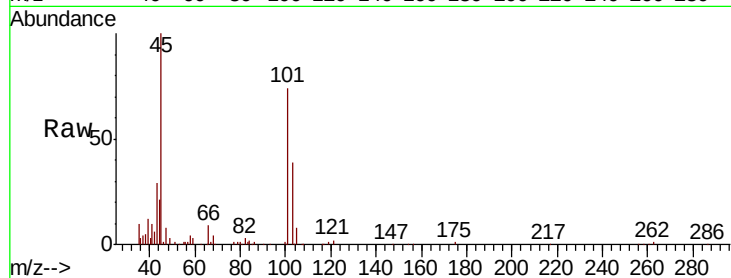
VSTDIC001

Tot Ion: 45 Resp: 63542

Ion Ratio Lower Upper

45 100

58 7.8 1.9 2.9#



#20

Methylene Chloride

Concen: 0.807 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Tgt Ion: 84 Resp: 61091

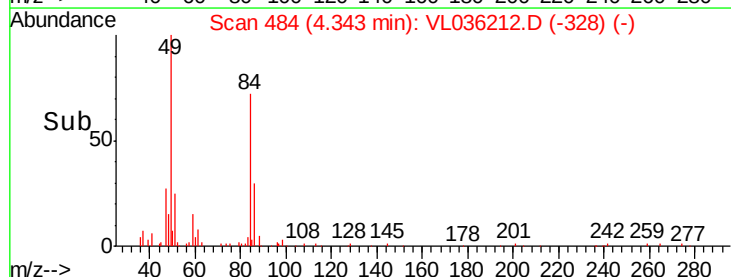
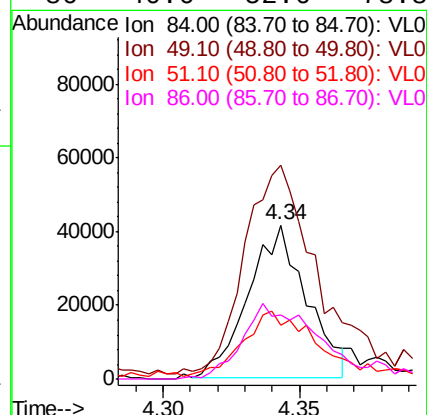
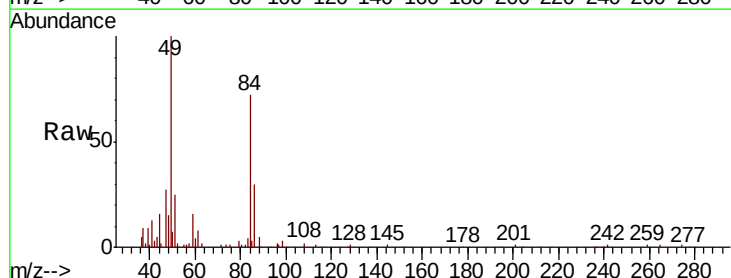
Ion Ratio Lower Upper

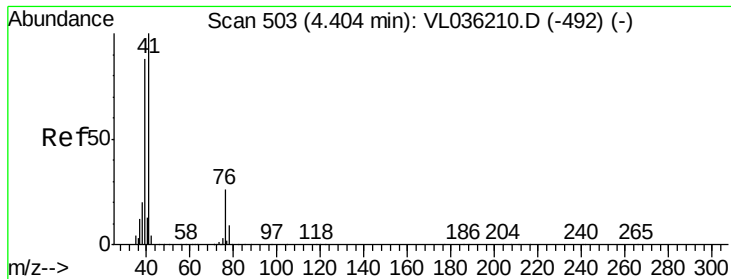
84 100

49 135.2 134.1 201.1

51 32.0 37.4 56.0#

86 40.6 52.6 78.8#





#21

Allvl Chloride

Concen: 0.829 ppbv

RT: 4.41 min Scan# 505

Delta R.T. 0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

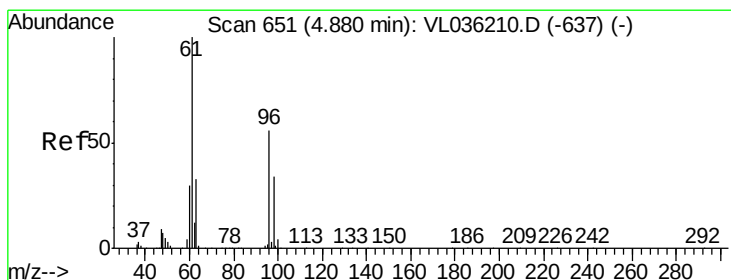
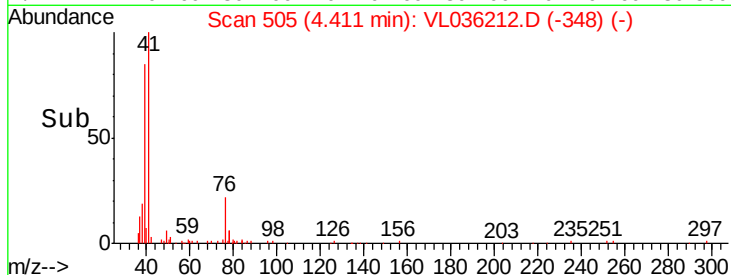
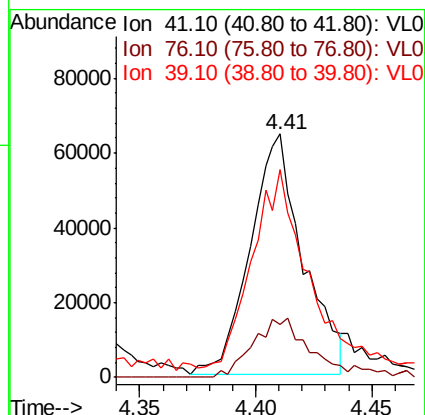
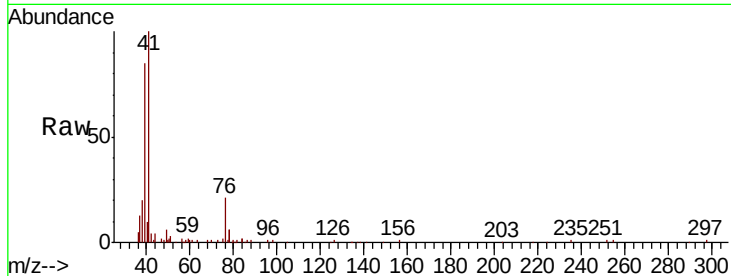
Tot Ion: 41 Resp: 101558

Ion Ratio Lower Upper

41 100

76 29.6 20.5 30.7

39 96.8 67.8 101.8



#22

trans-1,2-Dichloroethene

Concen: 0.467 ppbv

RT: 4.88 min Scan# 651

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

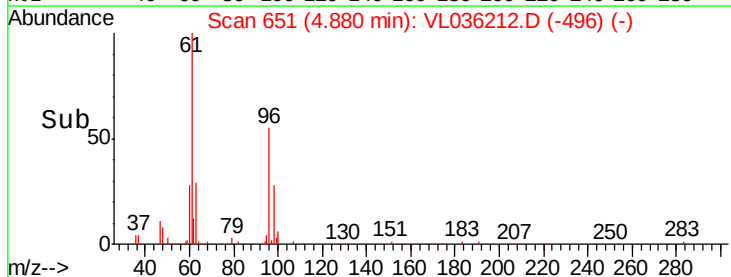
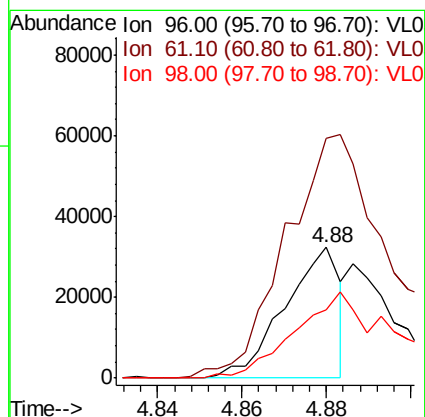
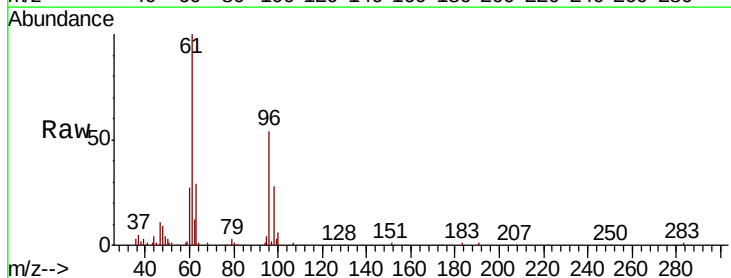
Tgt Ion: 96 Resp: 29620

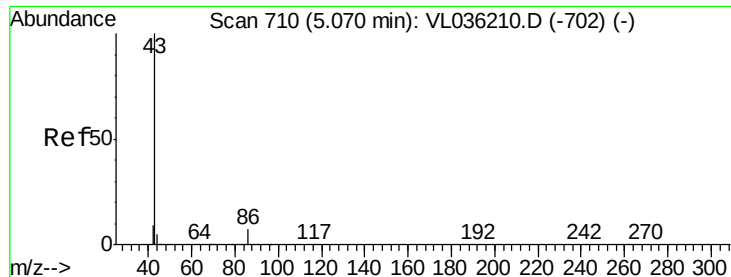
Ion Ratio Lower Upper

96 100

61 181.9 142.7 214.1

98 52.3 48.7 73.1





#23

Vinyl Acetate

Concen: 0.799 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 200536

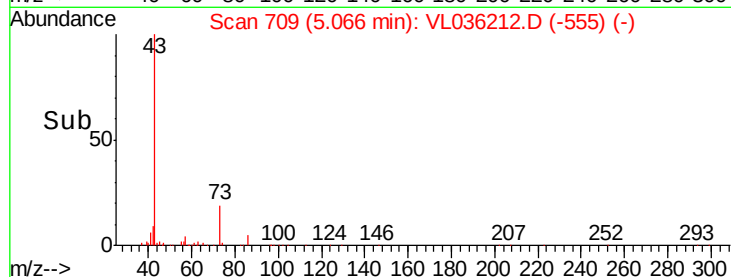
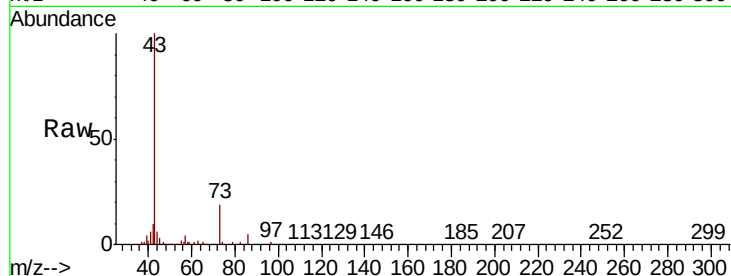
Ion Ratio Lower Upper

43 100

86 5.1 4.9 7.3

42 9.7 7.8 11.6

44 3.6 3.7 5.5#

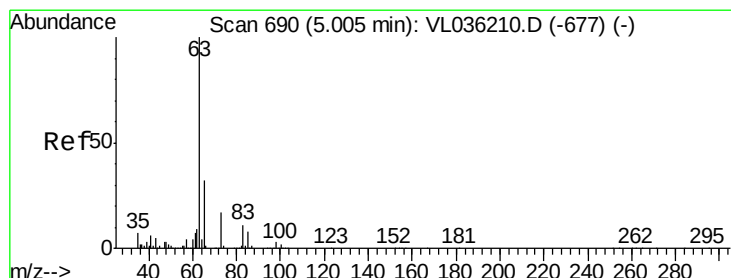
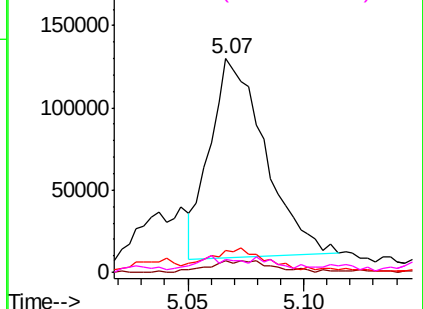


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.750 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

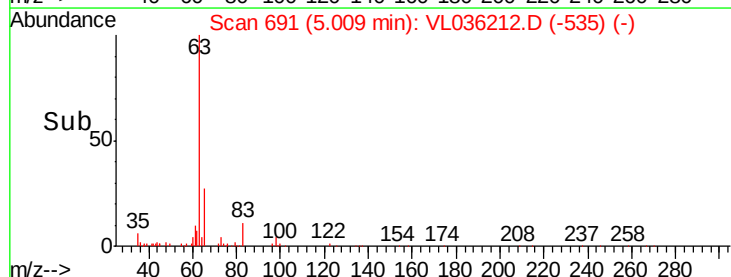
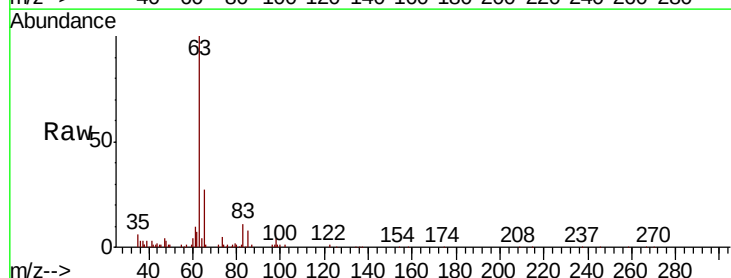
Tgt Ion: 63 Resp: 132533

Ion Ratio Lower Upper

63 100

98 3.4 1.7 5.1

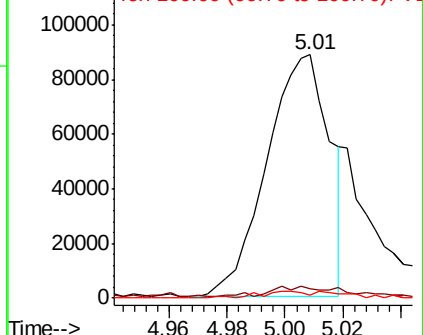
100 1.2 1.1 3.1

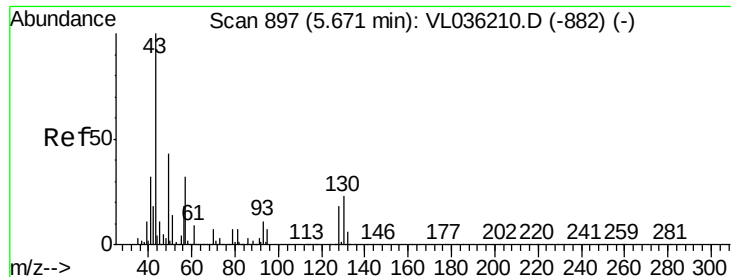


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

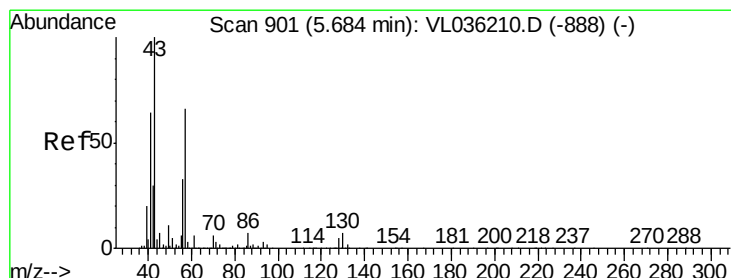
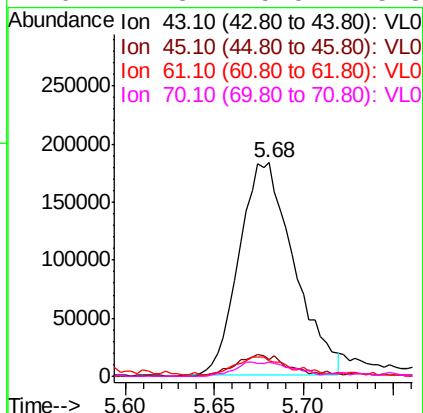
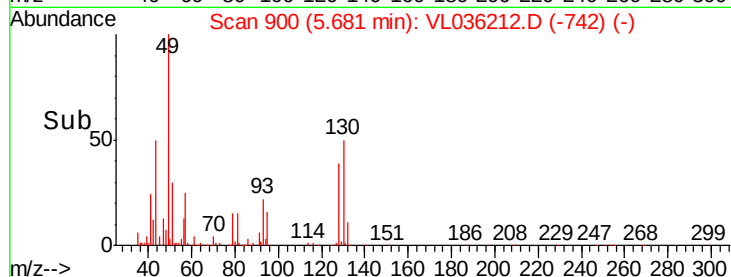
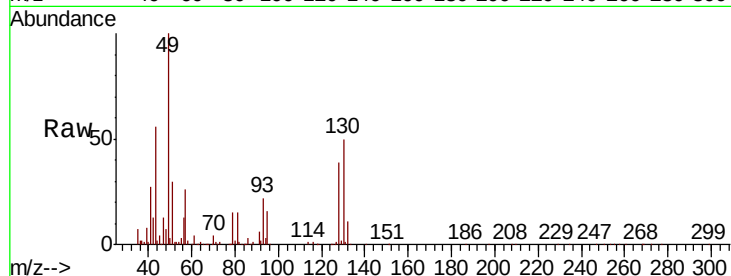




#25
Ethyl Acetate
Concen: 1.046 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

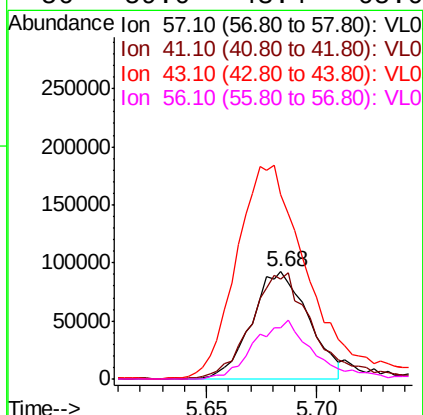
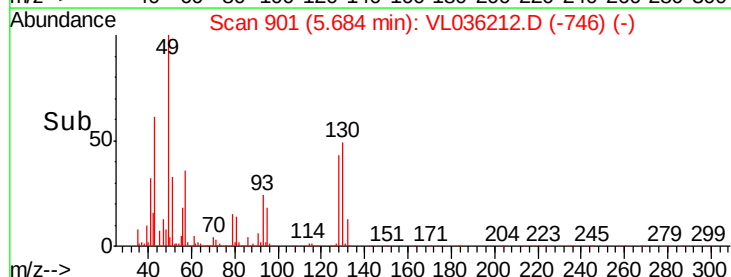
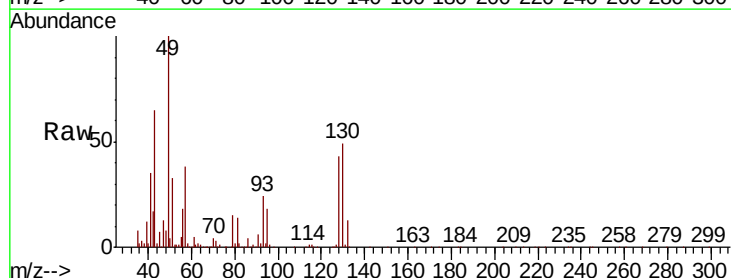
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

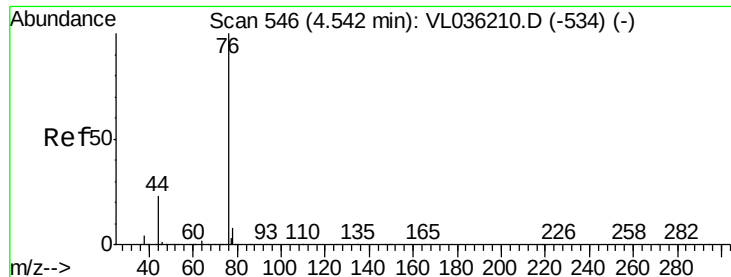
Tot Ion:	43	Resp:	395183
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.3	12.5
61	10.1	7.4	11.2
70	7.3	5.5	8.3



#26
Hexane
Concen: 0.974 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Tgt Ion:	57	Resp:	165504
Ion	Ratio	Lower	Upper
57	100		
41	113.8	83.0	124.6
43	263.6	202.4	303.6
56	59.0	43.4	65.0





#27

Carbon Disulfide

Concen: 0.731 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

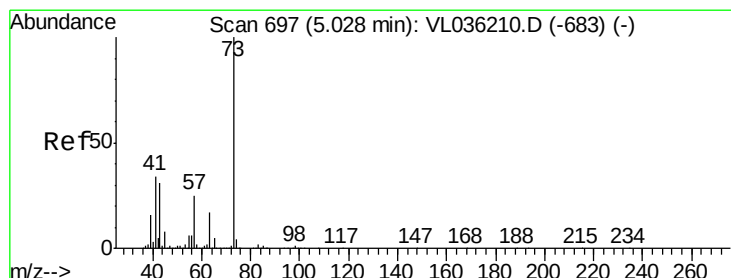
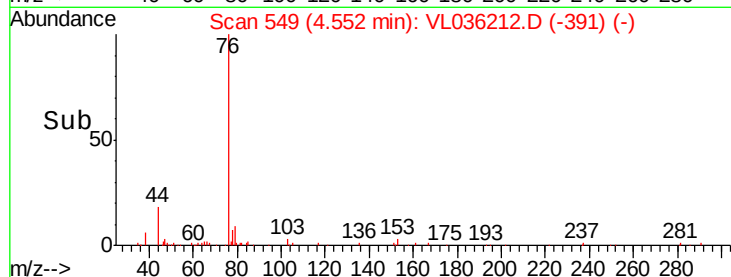
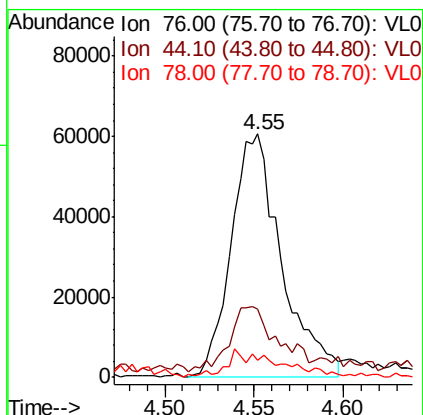
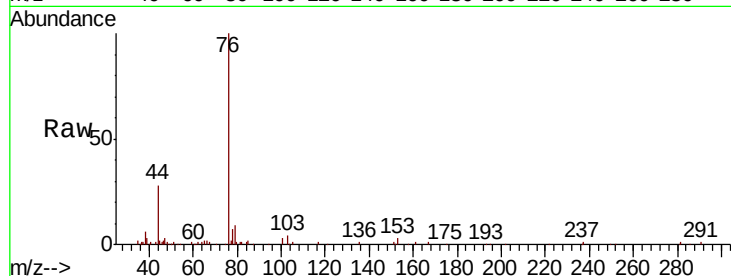
MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 76 Resp: 119394

Ion	Ratio	Lower	Upper
76	100		
44	28.9	19.0	28.6#
78	11.9	8.0	12.0



#28

Methyl tert-Butyl Ether

Concen: 0.961 ppbv

RT: 5.04 min Scan# 700

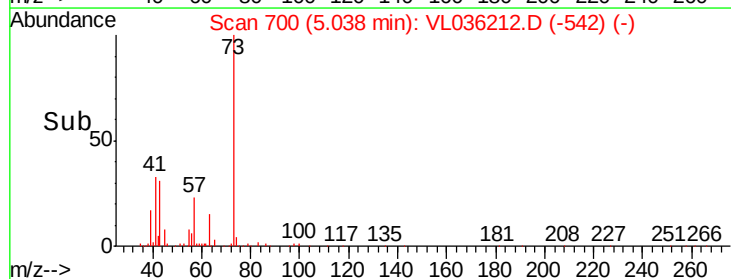
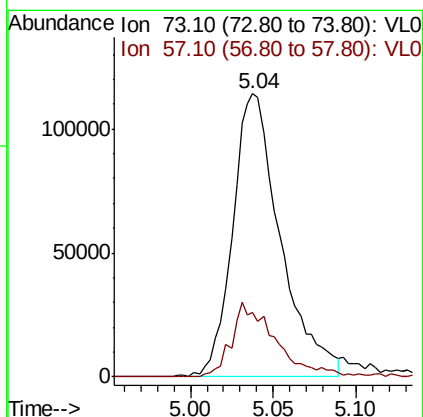
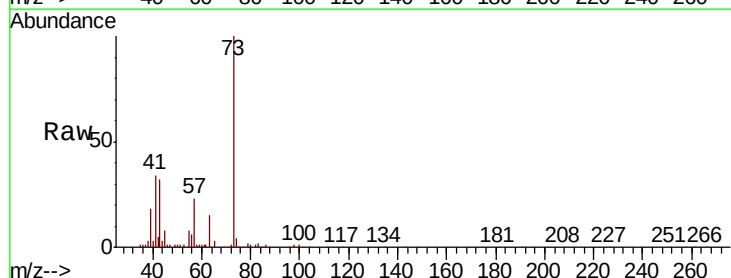
Delta R.T. 0.01 min

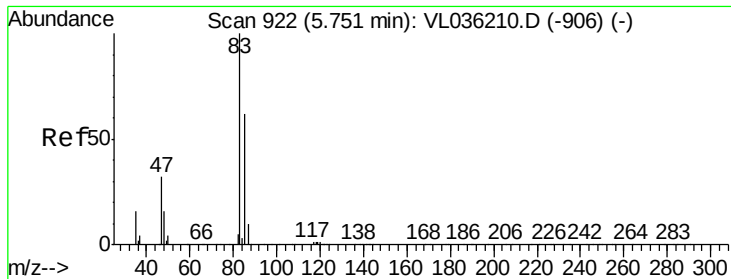
Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Tgt Ion: 73 Resp: 227148

Ion	Ratio	Lower	Upper
73	100		
57	24.9	20.4	30.6

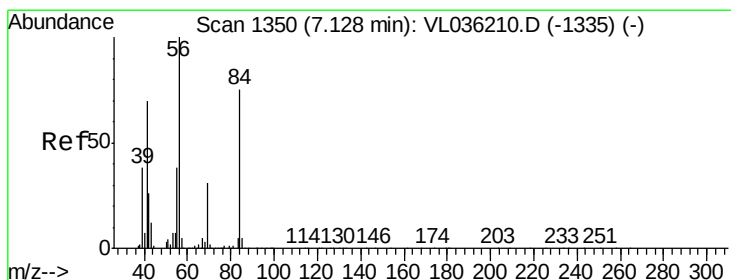
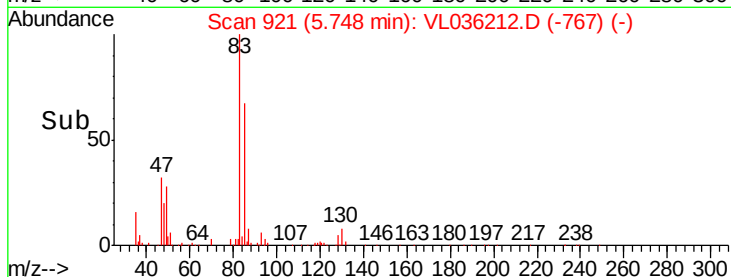
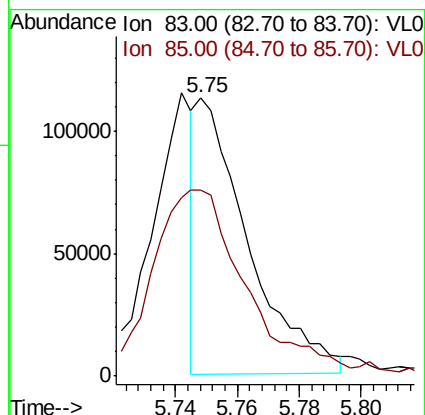
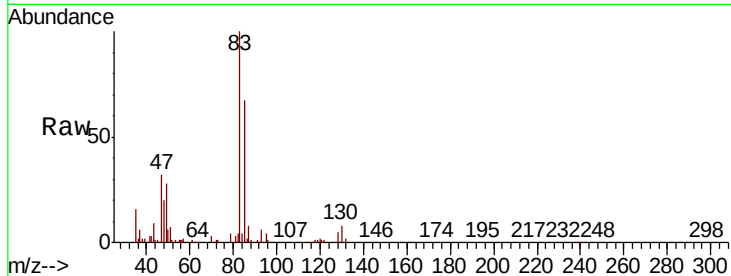




#29
Chloroform
Concen: 0.573 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

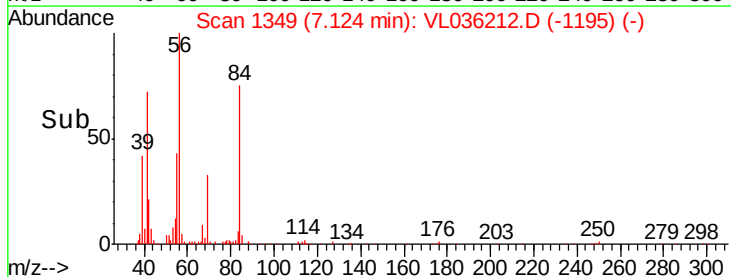
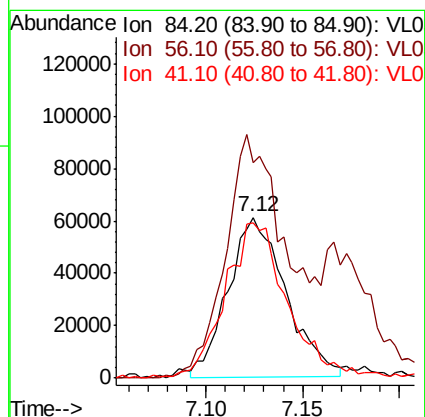
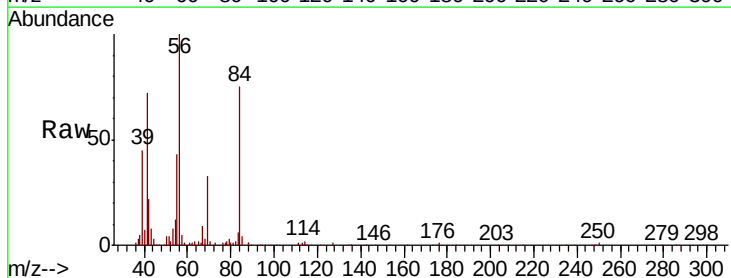
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

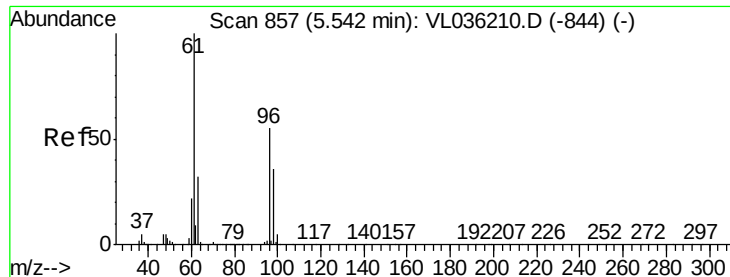
Tot Ion: 83 Resp: 129096
Ion Ratio Lower Upper
83 100
85 66.7 49.3 73.9



#30
Cyclohexane
Concen: 0.998 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Tgt Ion: 84 Resp: 126695
Ion Ratio Lower Upper
84 100
56 160.3 119.4 179.0
41 105.2 79.4 119.0



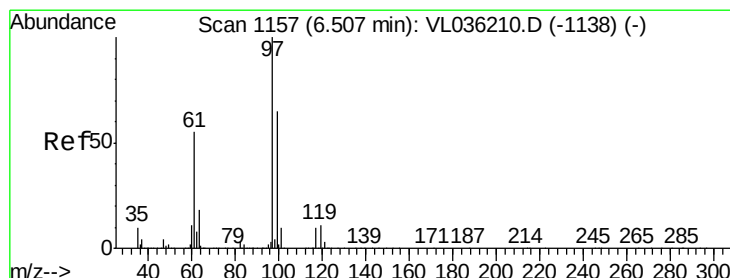
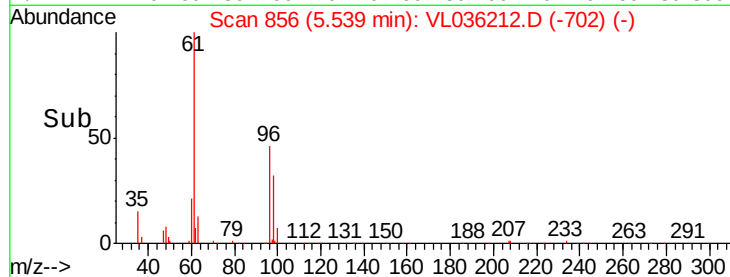
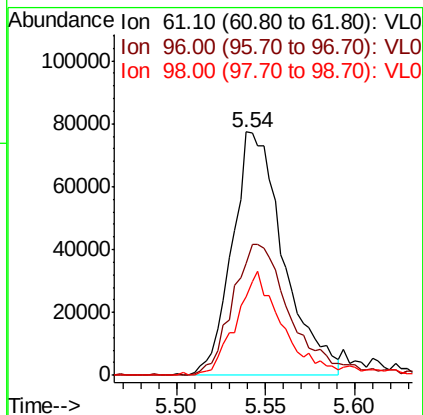
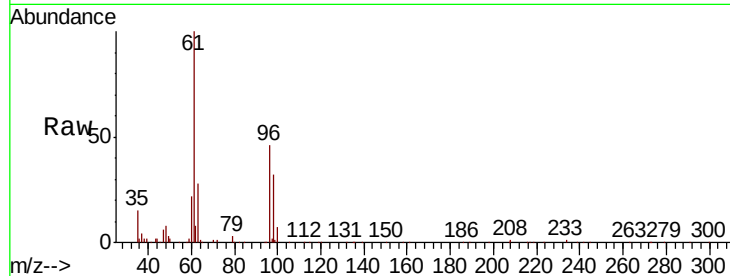


#31

cis-1,2-Dichloroethene
 Concen: 0.988 ppbv
 RT: 5.54 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

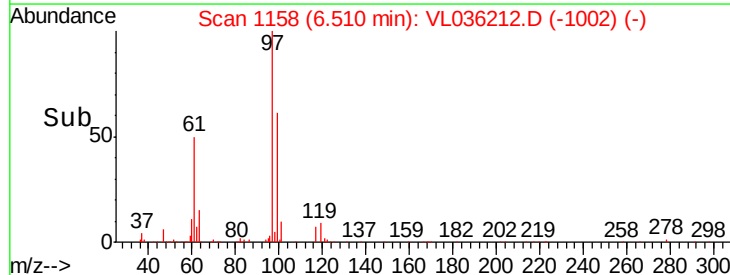
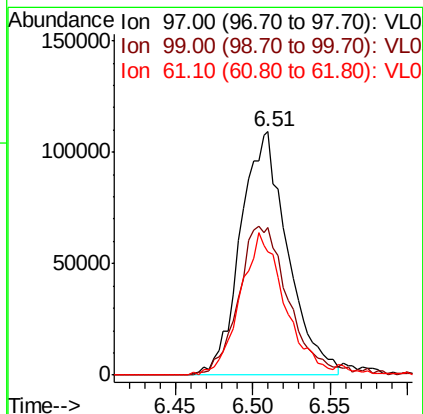
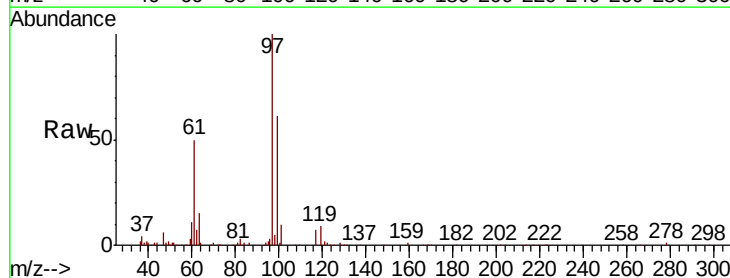
Tot Ion	61	Resp	153722
Ion Ratio	Lower	Upper	
61	100		
96	45.7	44.1	66.1
98	32.2	28.6	42.8

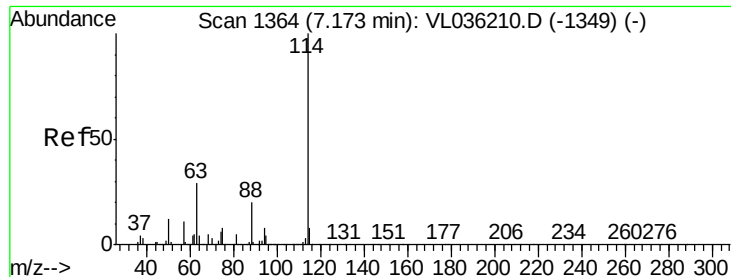


#32

1,1,1-Trichloroethane
 Concen: 0.997 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. 0.00 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

Tgt Ion	97	Resp	231578
Ion Ratio	Lower	Upper	
97	100		
99	66.2	52.0	78.0
61	57.4	43.6	65.4



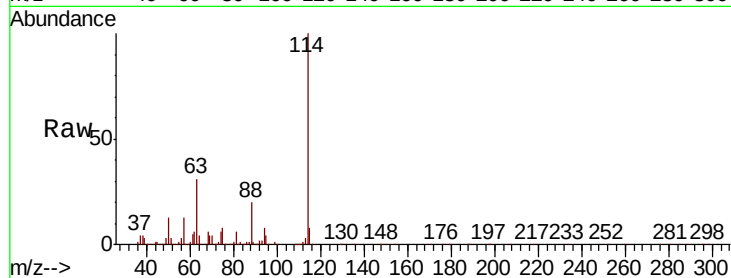


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

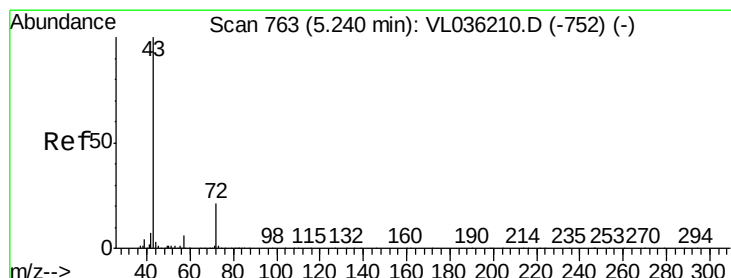
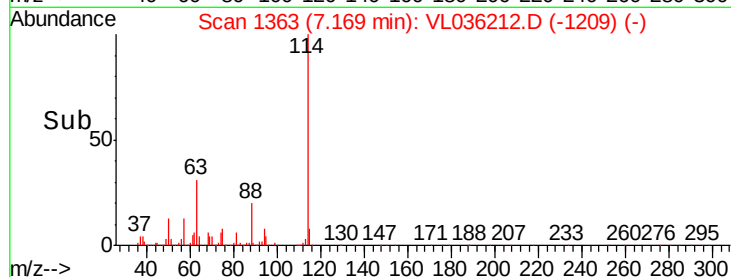
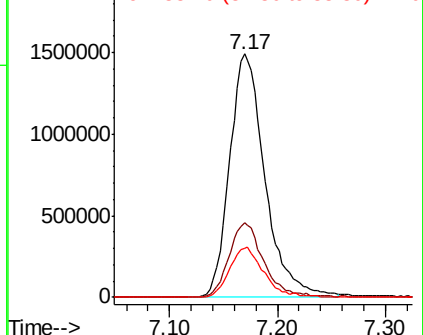
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:114 Resp: 3405391

Ion	Ratio	Lower	Upper
114	100		
63	30.6	24.7	37.1
88	20.1	16.6	24.8



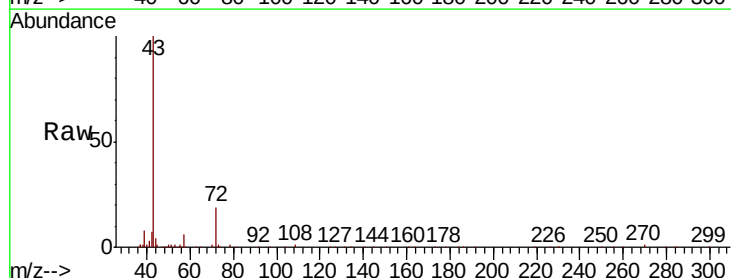
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



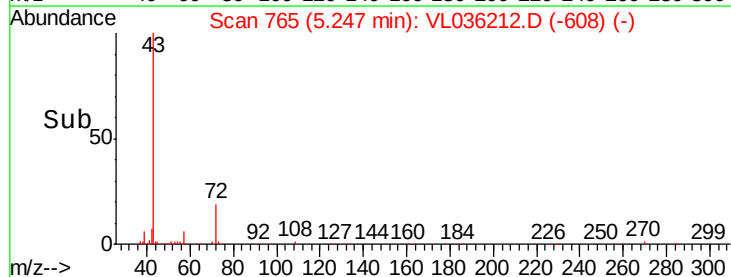
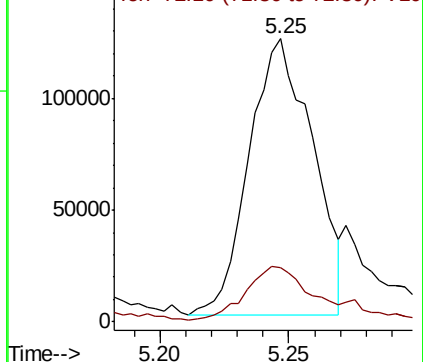
#34
 2-Butanone
 Concen: 0.935 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

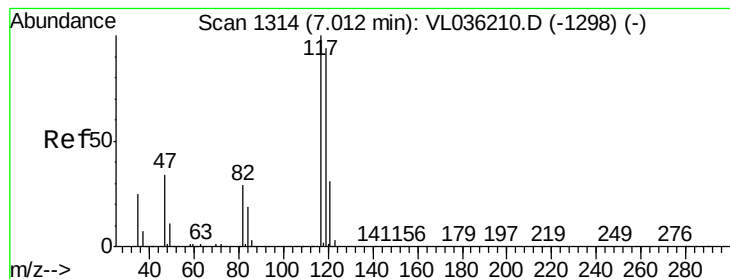
Tgt Ion: 43 Resp: 213876

Ion	Ratio	Lower	Upper
43	100		
72	25.8	16.1	24.1#



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





#35

Carbon Tetrachloride

Concen: 1.126 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

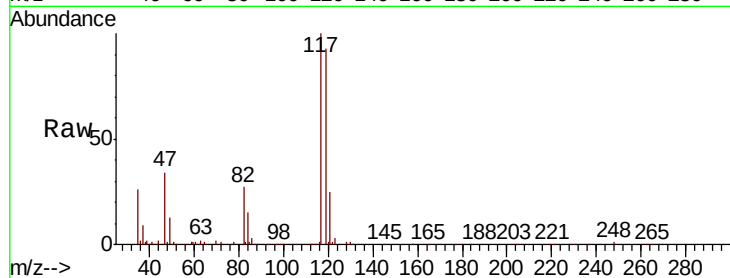
Tot Ion:117 Resp: 223603

Ion Ratio Lower Upper

117 100

119 93.5 74.9 112.3

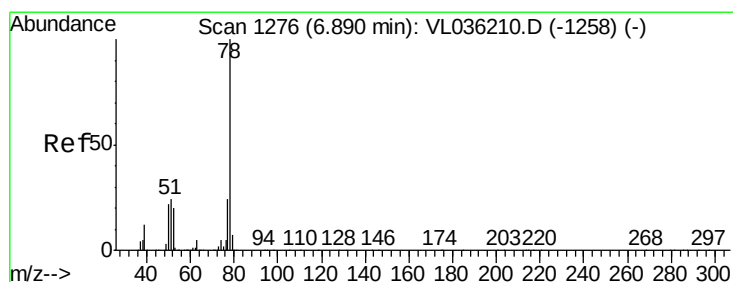
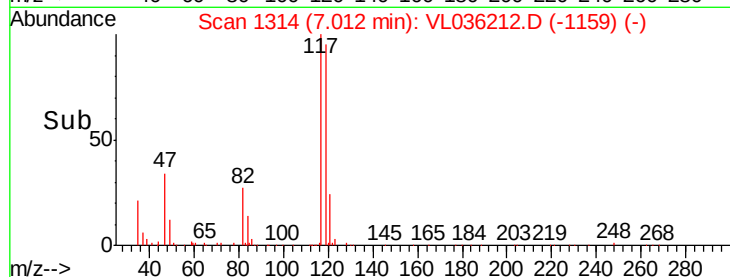
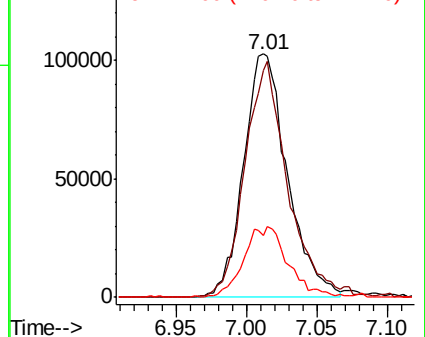
121 25.4 25.0 37.6



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: 1.171 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

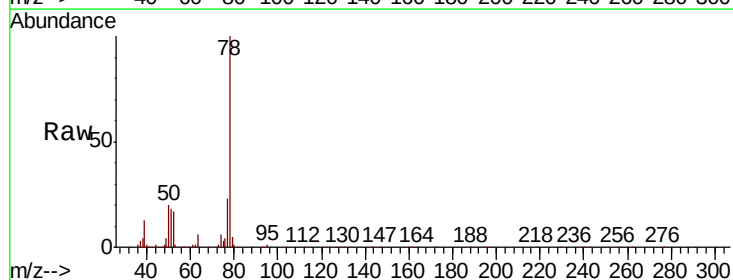
Tgt Ion: 78 Resp: 339463

Ion Ratio Lower Upper

78 100

77 22.9 19.4 29.0

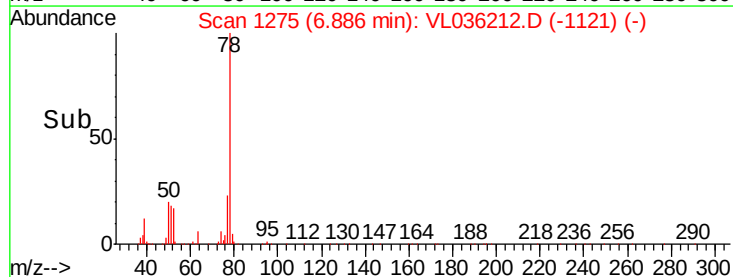
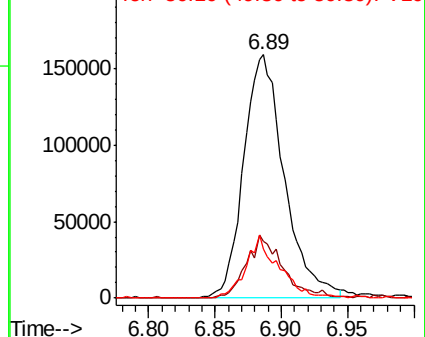
50 20.3 17.4 26.2

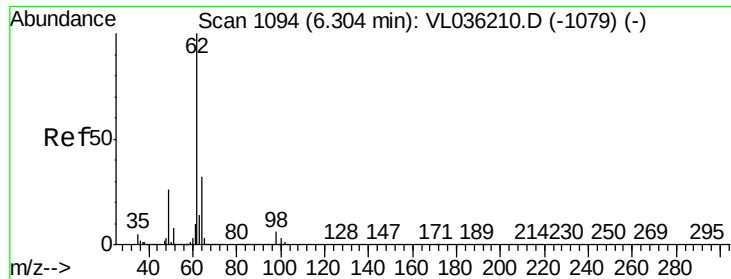


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

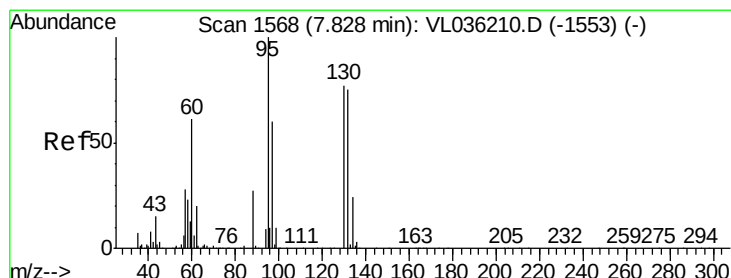
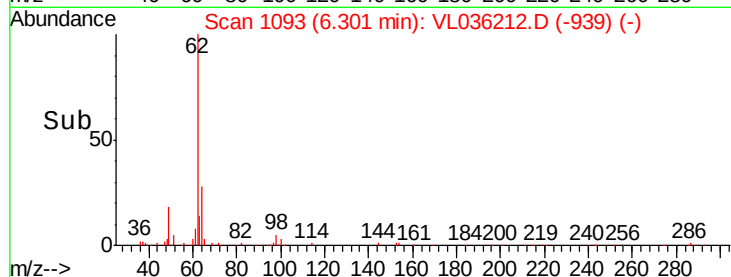
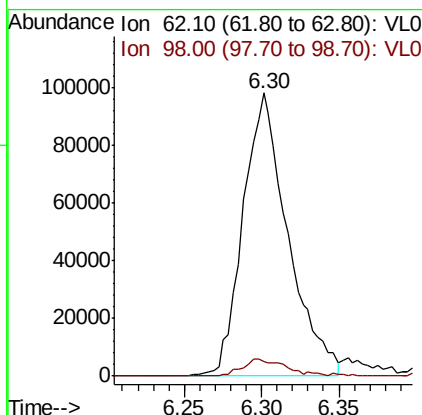
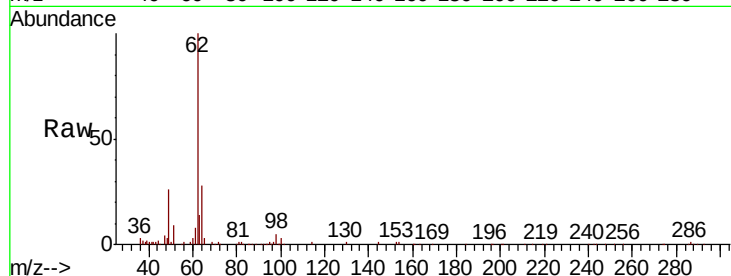




#37
 1,2-Dichloroethane
 Concen: 1.170 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

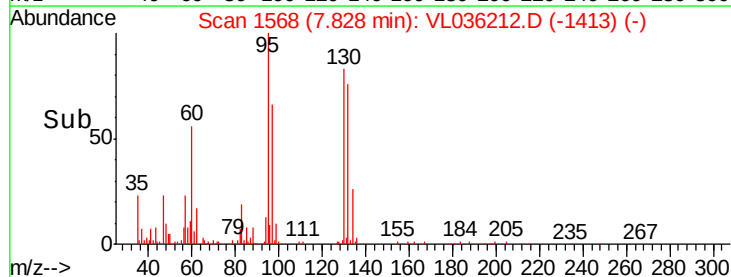
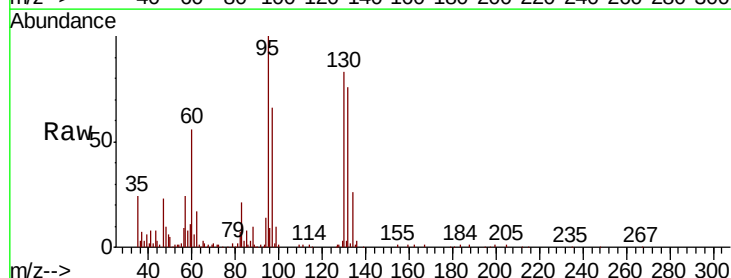
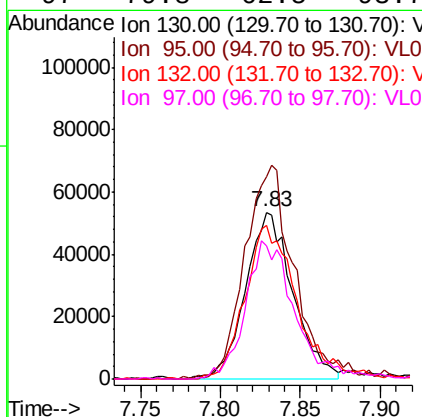
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

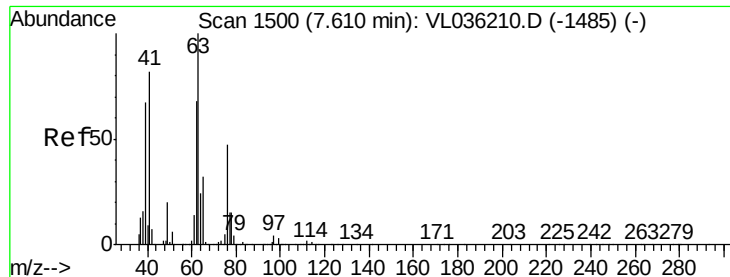
Tot Ion: 62 Resp: 197746
 Ion Ratio Lower Upper
 62 100
 98 6.3 4.4 6.6



#38
 Trichloroethene
 Concen: 1.010 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

Tgt Ion: 130 Resp: 108128
 Ion Ratio Lower Upper
 130 100
 95 120.7 103.9 155.9
 132 92.3 77.4 116.2
 97 79.8 62.5 93.7





#39

1,2-Dichloropropane

Concen: 1.160 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

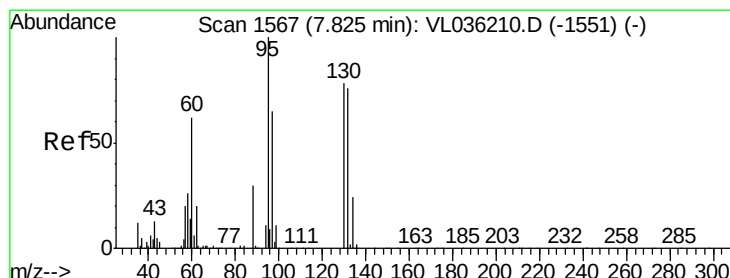
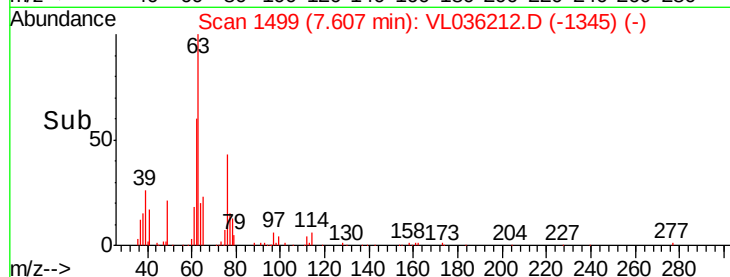
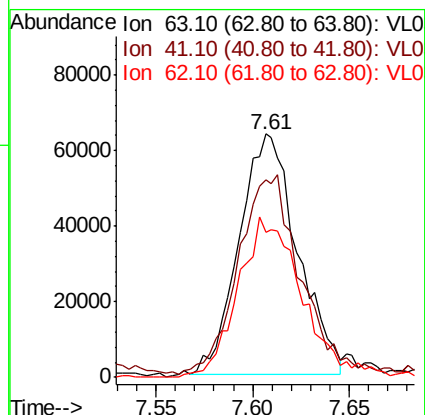
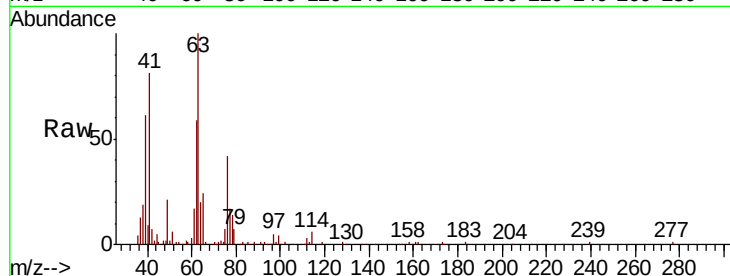
Tot Ion: 63 Resp: 133138

Ion Ratio Lower Upper

63 100

41 78.5 66.1 99.1

62 58.3 54.8 82.2



#40

1,4-Dioxane

Concen: 0.031 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Tgt Ion: 88 Resp: 1113

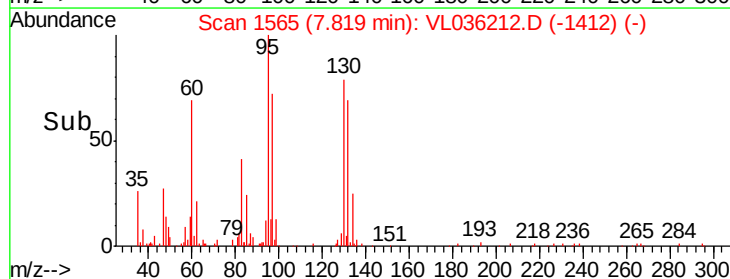
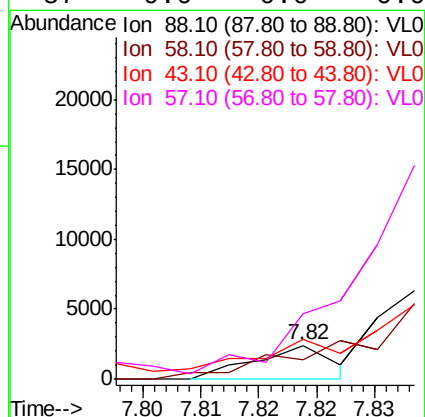
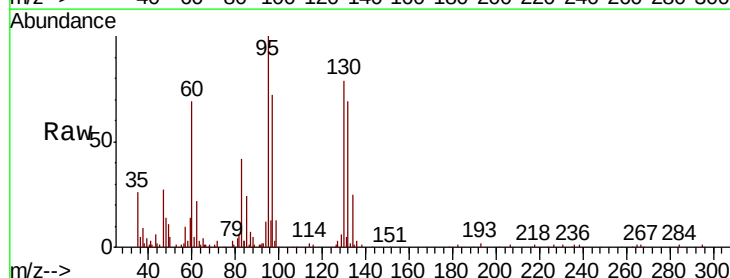
Ion Ratio Lower Upper

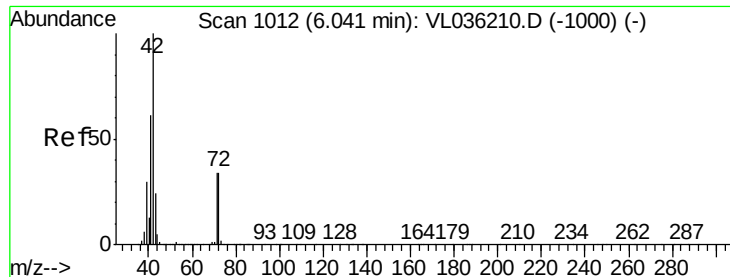
88 100

58 0.0 123.0 184.6#

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.825 ppbv

RT: 6.06 min Scan# 1018

Delta R.T. 0.02 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

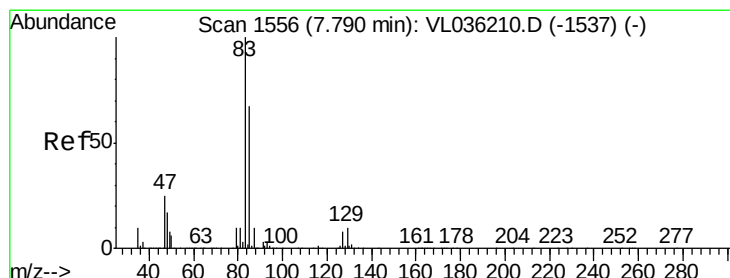
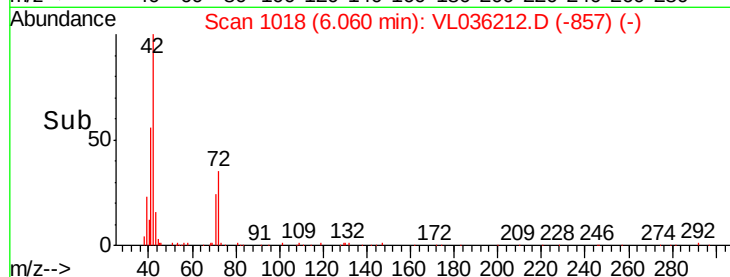
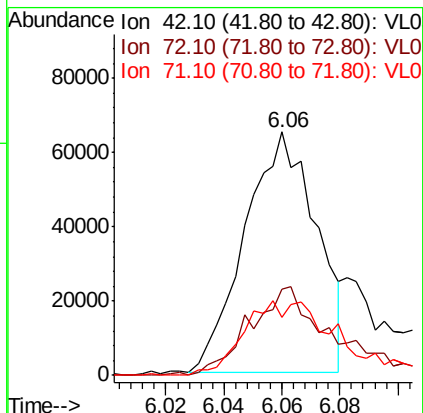
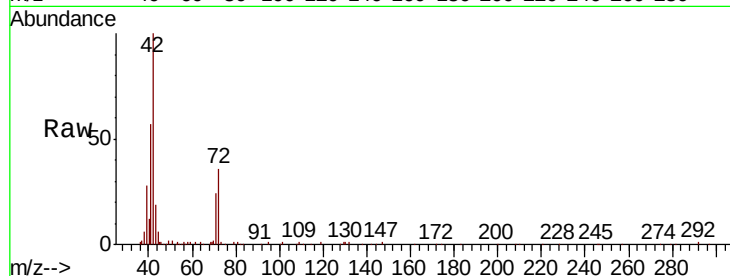
Tot Ion: 42 Resp: 110651

Ion Ratio Lower Upper

42 100

72 47.0 29.5 44.3#

71 45.1 29.1 43.7#



#42

Bromodichloromethane

Concen: 1.110 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

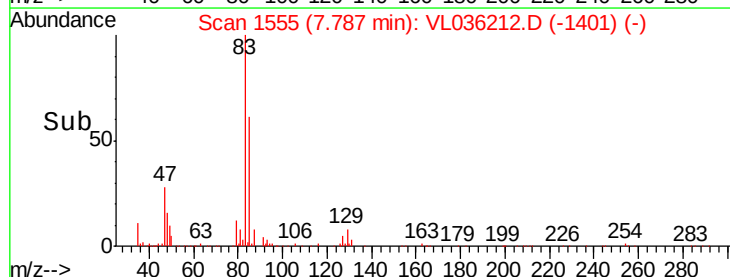
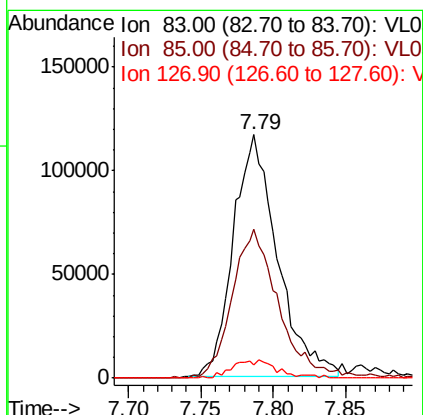
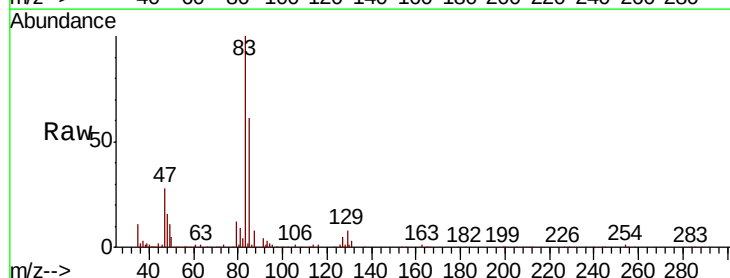
Tgt Ion: 83 Resp: 247584

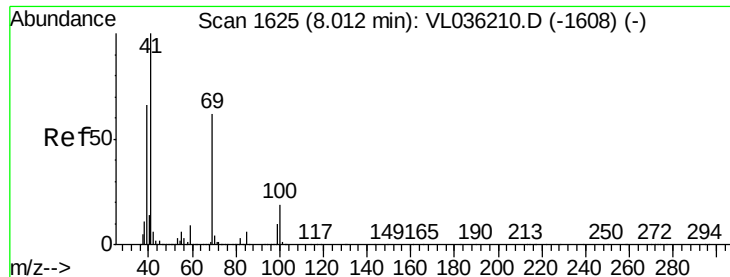
Ion Ratio Lower Upper

83 100

85 61.2 53.4 80.2

127 5.5 6.2 9.2#

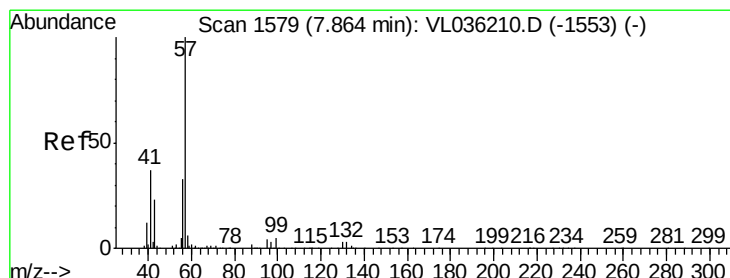
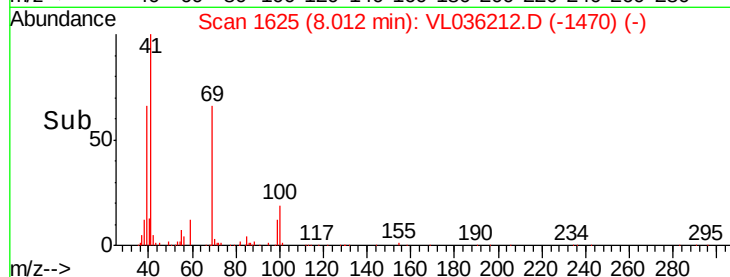
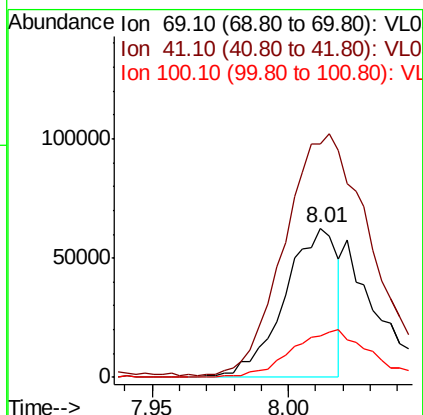
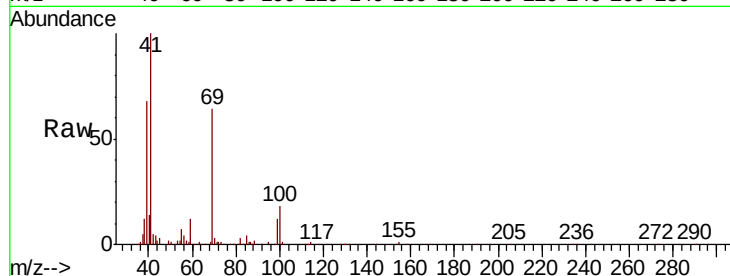




#43
Methyl Methacrylate
Concen: 0.674 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

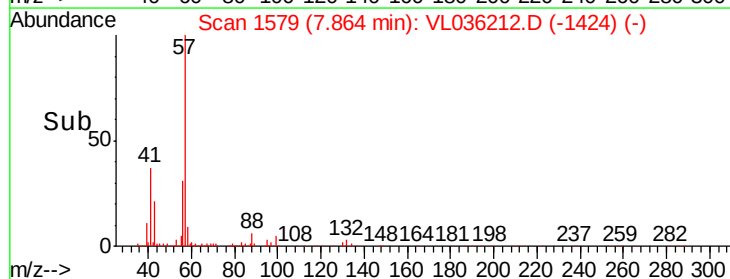
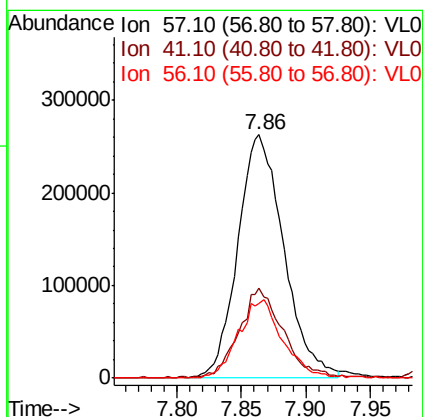
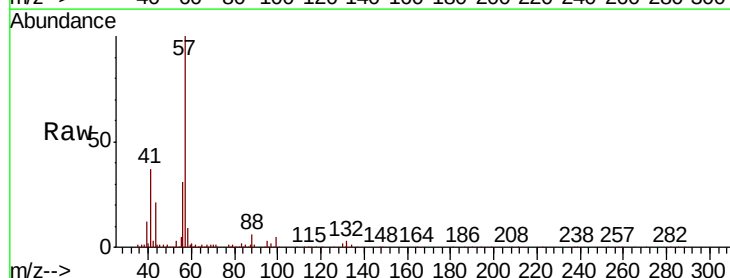
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

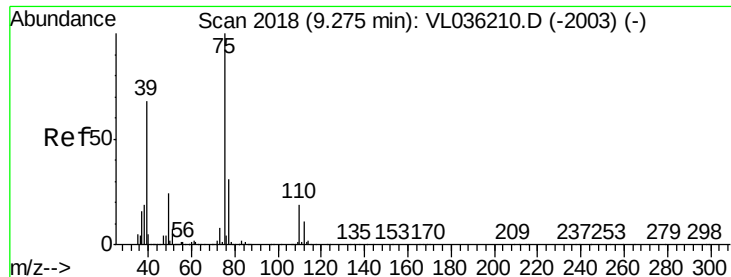
Tot Ion: 69 Resp: 83835
Ion Ratio Lower Upper
69 100
41 0.0 133.4 200.2#
100 0.0 24.3 36.5#



#44
2,2,4-Trimethylpentane
Concen: 1.243 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Tgt Ion: 57 Resp: 649979
Ion Ratio Lower Upper
57 100
41 35.4 28.5 42.7
56 31.6 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 0.515 ppbv

RT: 9.27 min Scan# 2017

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

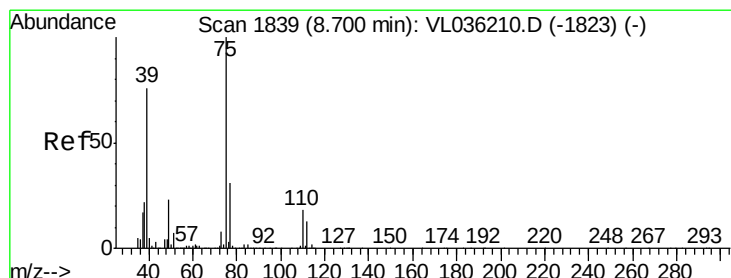
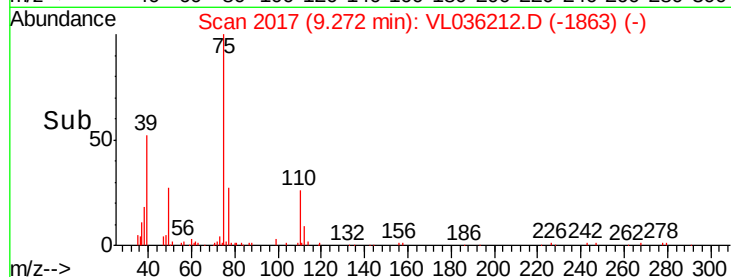
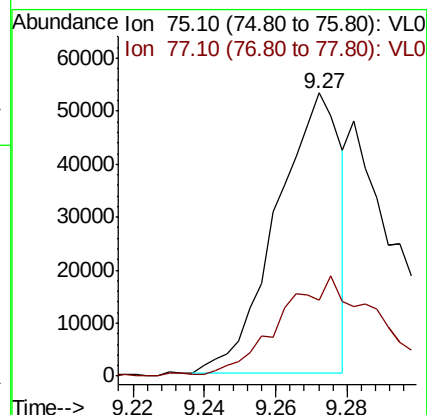
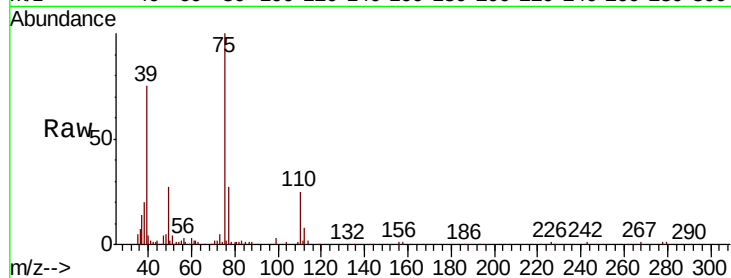
VSTDIC001

Tot Ion: 75 Resp: 65580

Ion Ratio Lower Upper

75 100

77 27.1 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 0.991 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

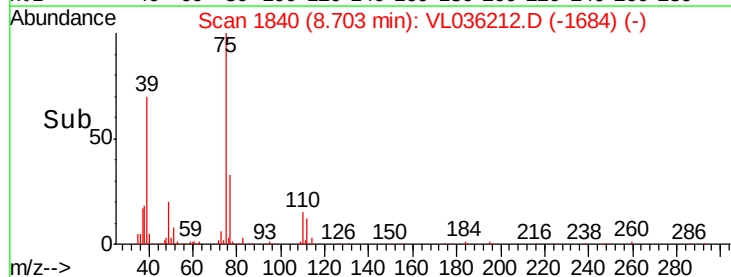
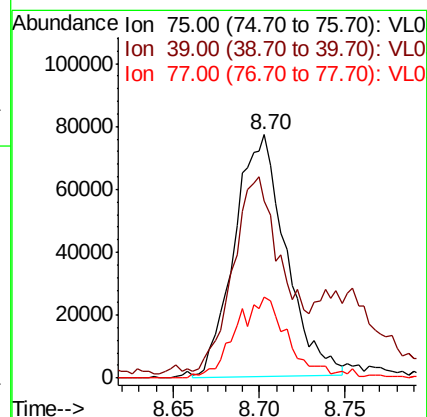
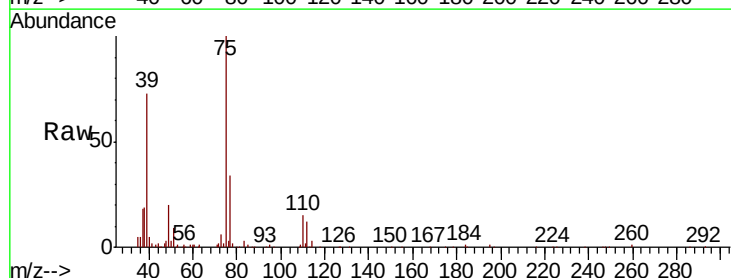
Tgt Ion: 75 Resp: 159109

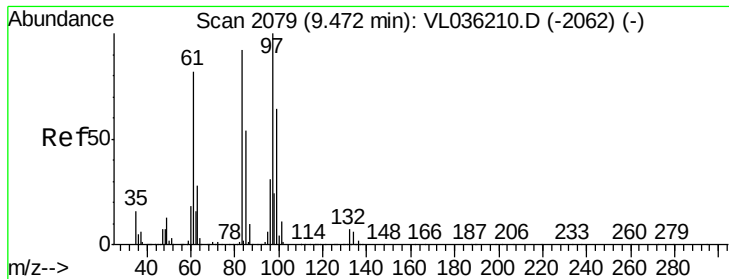
Ion Ratio Lower Upper

75 100

39 71.0 61.2 91.8

77 32.4 24.6 37.0

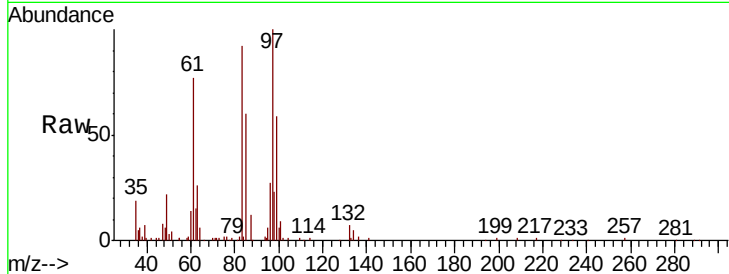




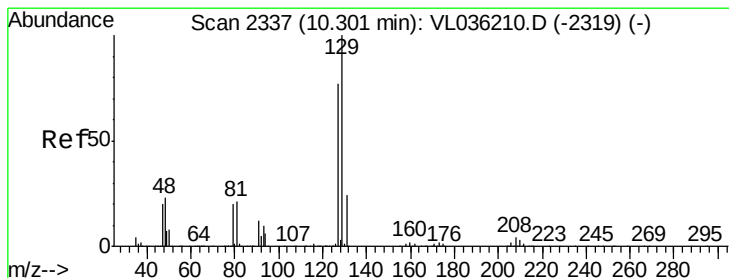
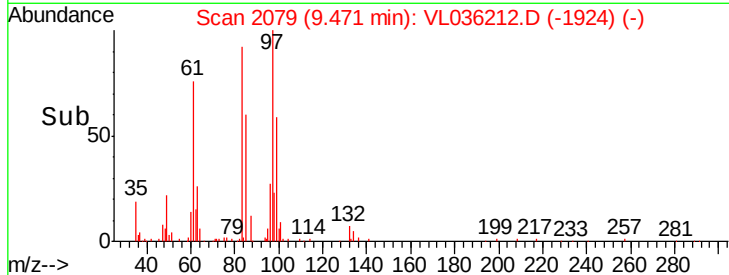
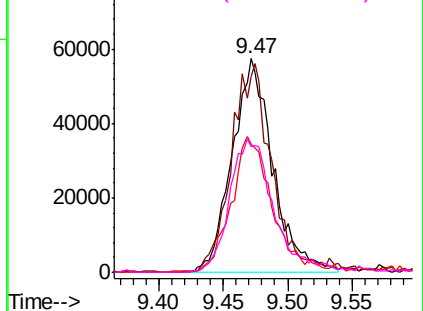
#47
 1,1,2-Trichloroethane
 Concen: 1.139 ppbv
 RT: 9.47 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	97	Resp:	126115
Ion	Ratio	Lower	Upper
97	100		
83	91.1	73.3	109.9
85	59.9	43.2	64.8
99	59.0	51.5	77.3

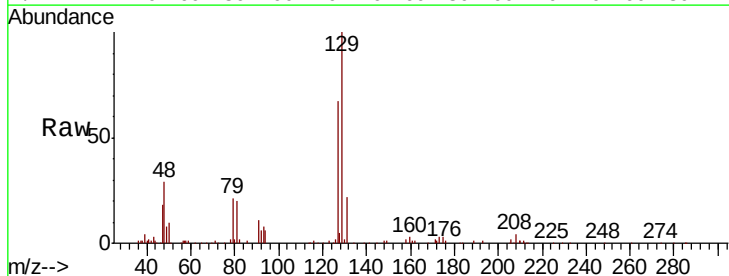


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

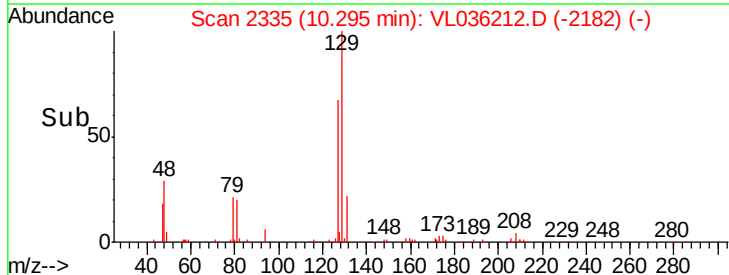
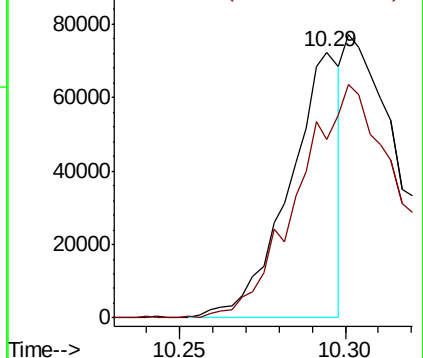


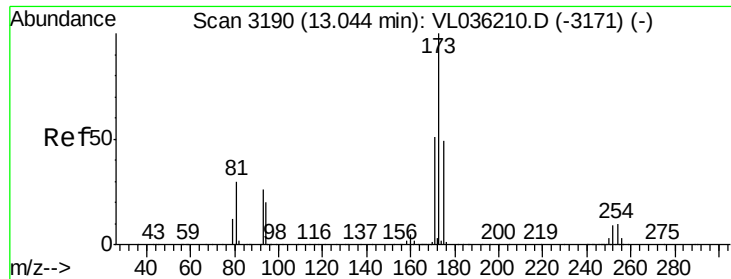
#48
 Dibromochloromethane
 Concen: 0.467 ppbv
 RT: 10.29 min Scan# 2335
 Delta R.T. -0.01 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

Tgt Ion:	129	Resp:	77399
Ion	Ratio	Lower	Upper
129	100		
127	0.0	39.6	118.8#



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.991 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

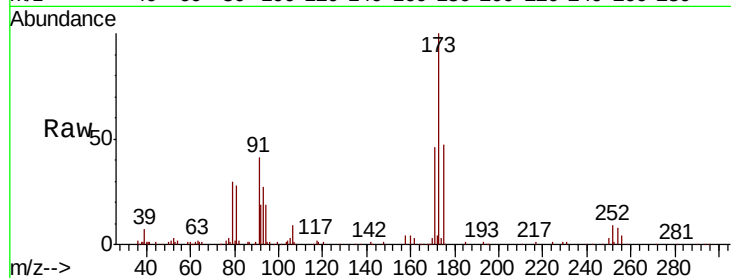
Tot Ion:173 Resp: 129876

Ion Ratio Lower Upper

173 100

175 56.2 40.7 61.1

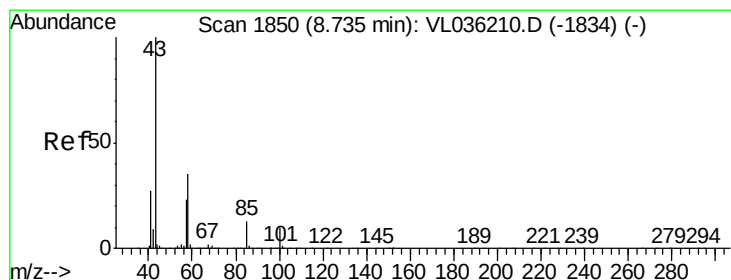
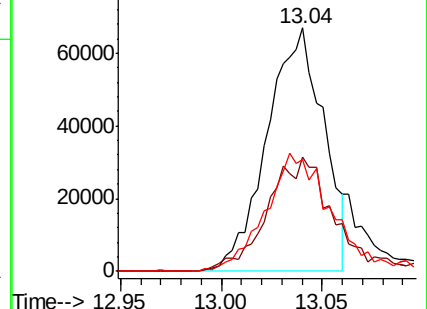
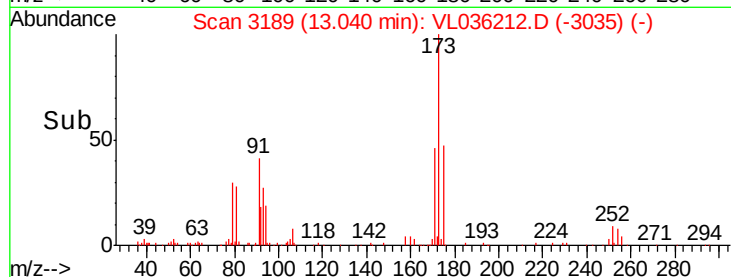
171 57.1 43.0 64.6



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 1.162 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.01 min

Lab File: VL036212.D

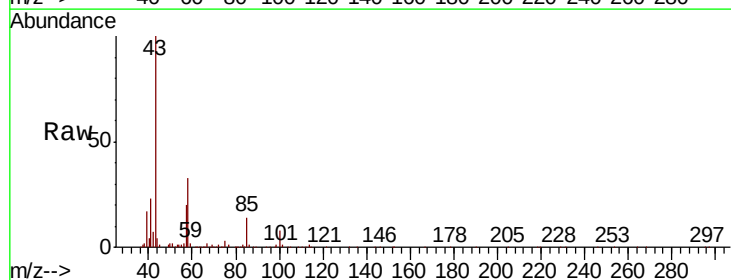
Acq: 13 Jan 2021 3:54

Tgt Ion: 43 Resp: 395067

Ion Ratio Lower Upper

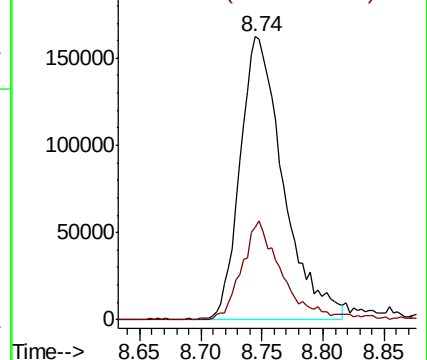
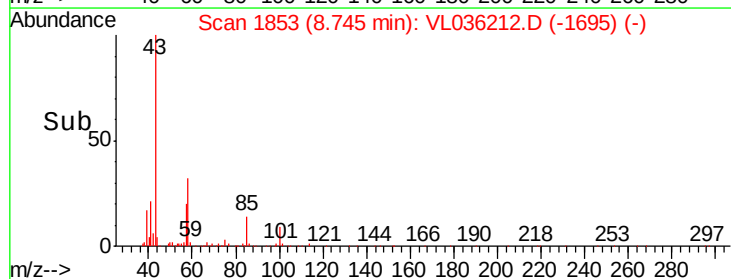
43 100

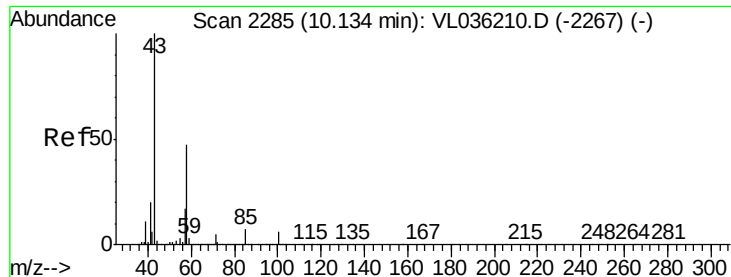
58 33.6 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

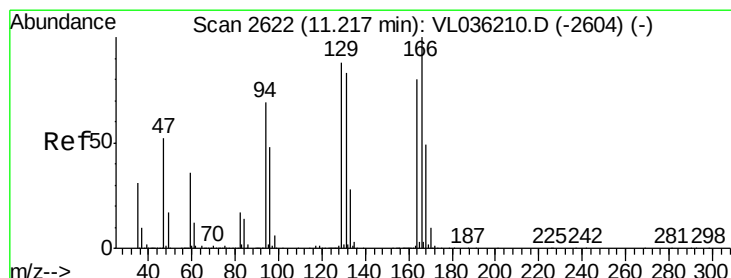
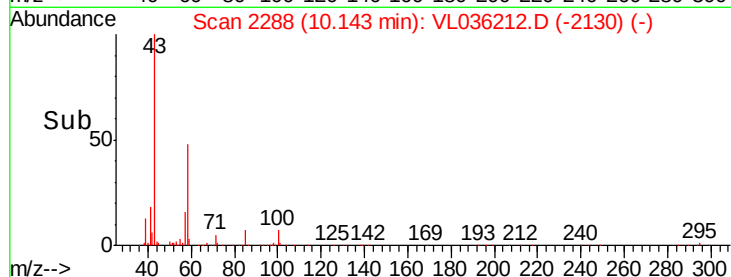
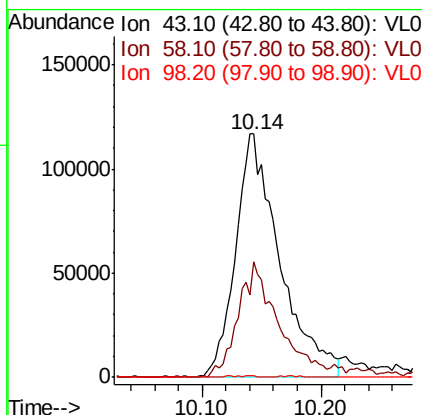
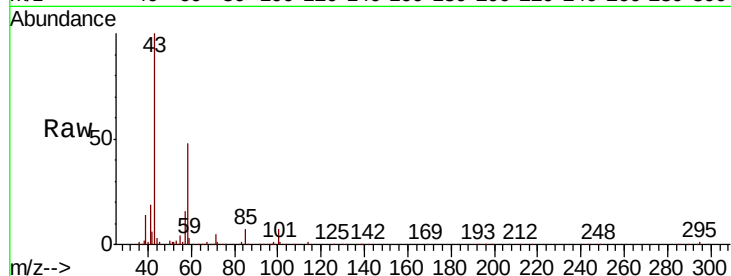




#51
2-Hexanone
Concen: 1.112 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. 0.01 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

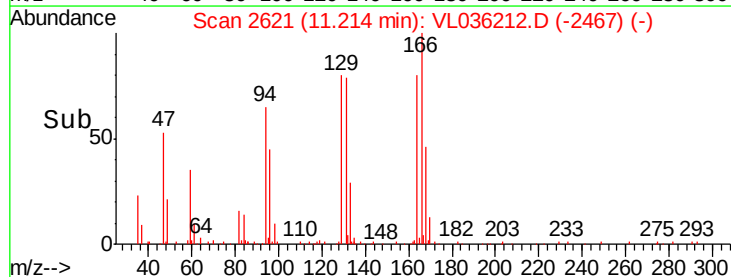
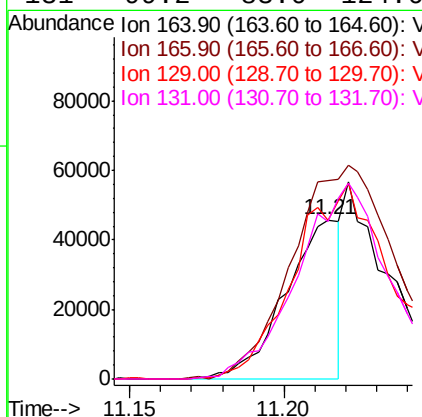
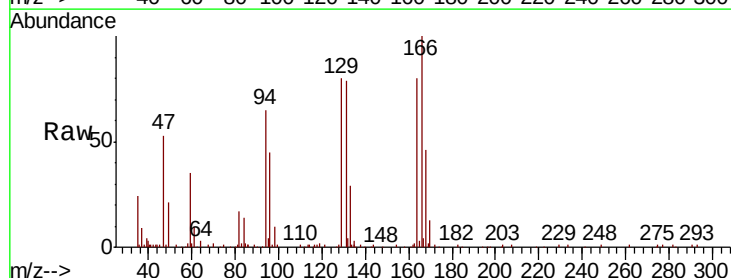
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

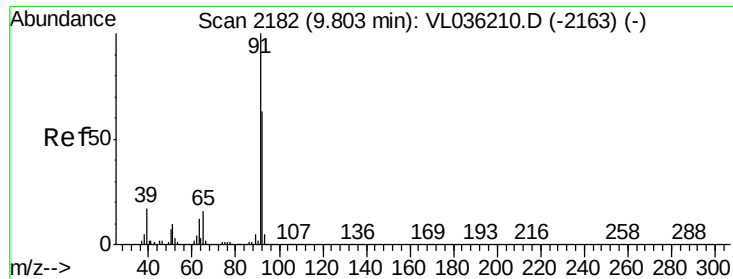
Tot Ion: 43 Resp: 299646
Ion Ratio Lower Upper
43 100
58 48.1 37.4 56.0
98 0.7 0.2 0.2#



#52
Tetrachloroethene
Concen: 0.536 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Tgt Ion: 164 Resp: 55815
Ion Ratio Lower Upper
164 100
166 124.3 99.9 149.9
129 100.0 88.2 132.4
131 99.2 83.0 124.6





#53

Toluene

Concen: 0.534 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

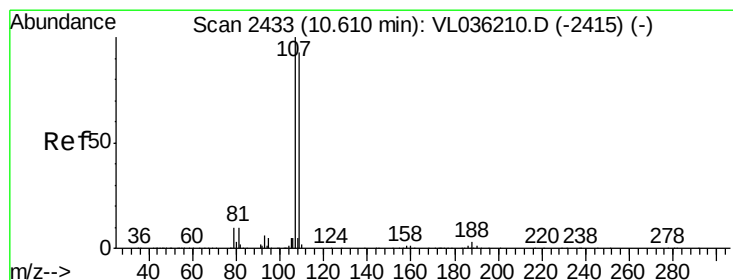
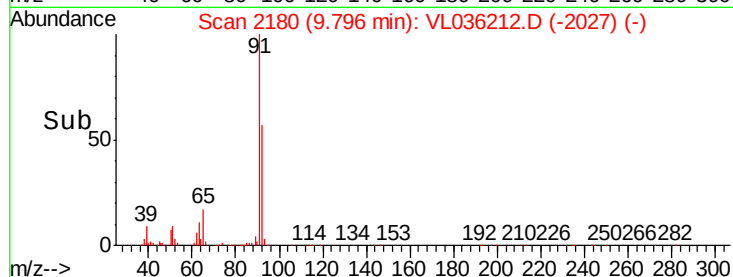
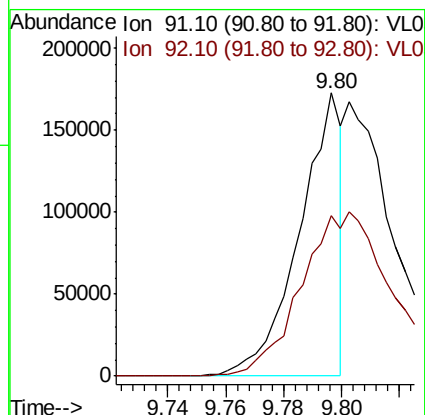
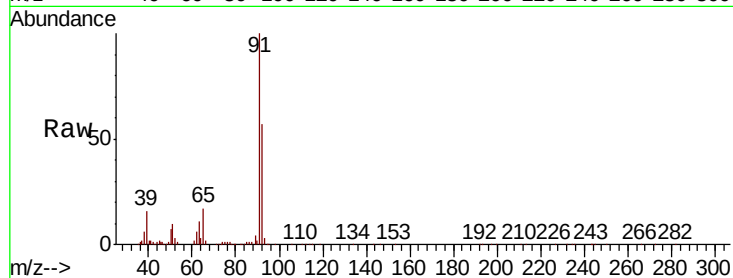
VSTDIC001

Tot Ion: 91 Resp: 173719

Ion Ratio Lower Upper

91 100

92 0.0 48.5 72.7#



#54

1,2-Dibromoethane

Concen: 1.124 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.00 min

Lab File: VL036212.D

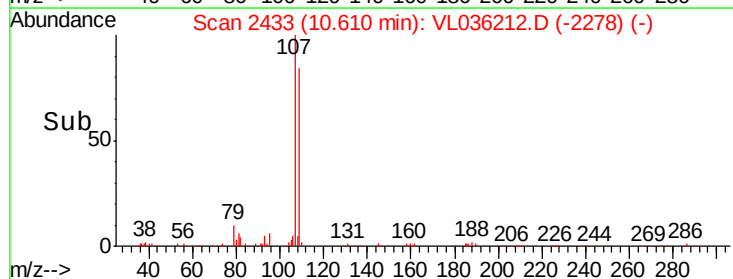
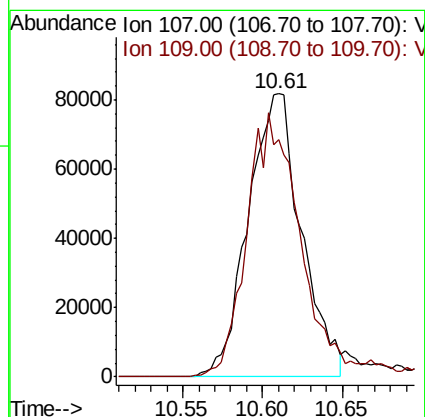
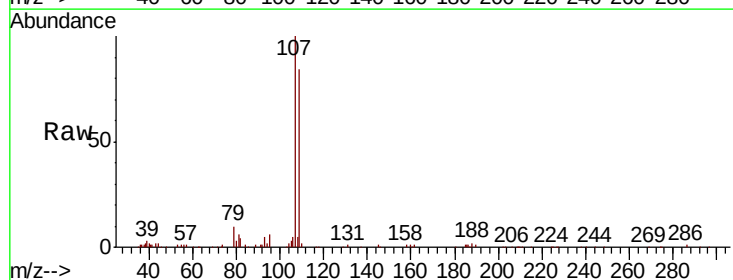
Acq: 13 Jan 2021 3:54

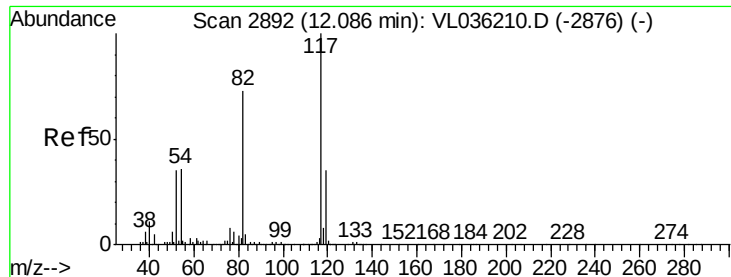
Tgt Ion: 107 Resp: 186482

Ion Ratio Lower Upper

107 100

109 83.6 74.5 111.7

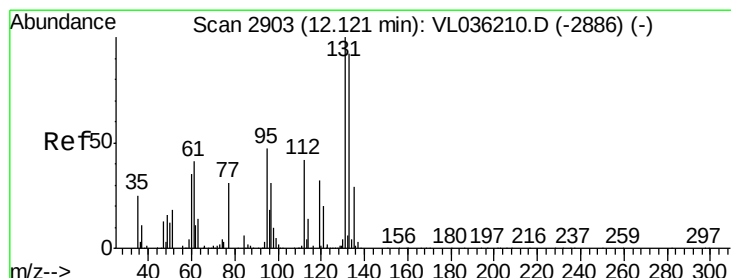
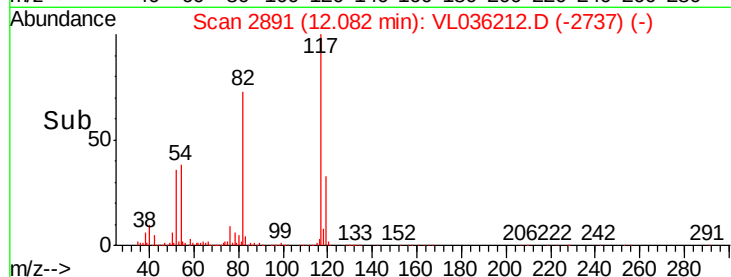
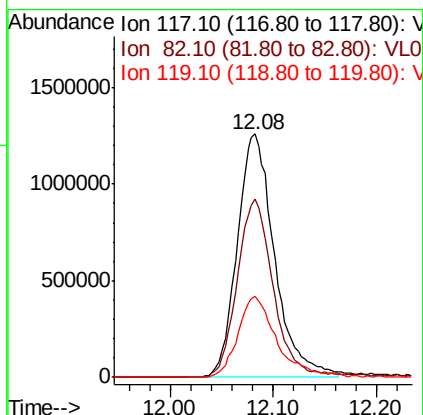
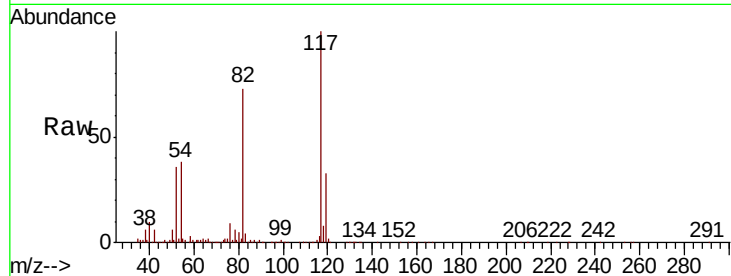




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.00 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

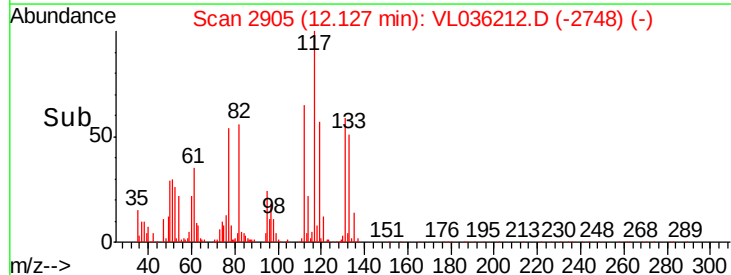
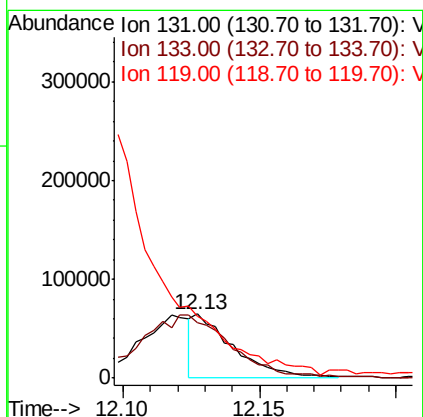
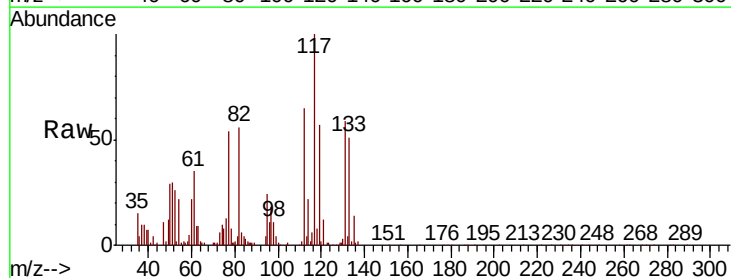
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

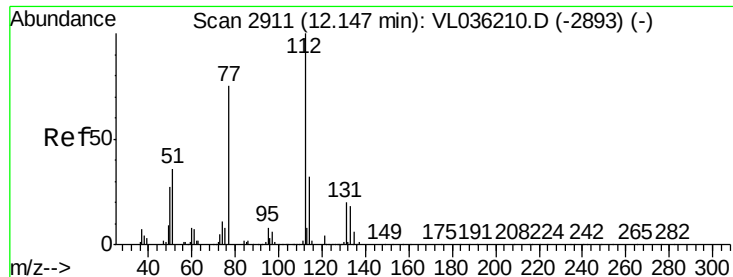
Tot Ion:117 Resp: 3172074
Ion Ratio Lower Upper
117 100
82 72.2 59.7 89.5
119 35.4 28.6 43.0



#56
1,1,1,2-Tetrachloroethane
Concen: 0.494 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL036212.D
Acq: 13 Jan 2021 3:54

Tgt Ion:131 Resp: 64865
Ion Ratio Lower Upper
131 100
133 227.4 76.5 114.7#
119 0.0 45.4 68.0#





#57

Chlorobenzene

Concen: 0.641 ppbv

RT: 12.14 min Scan# 2909

Delta R.T. -0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

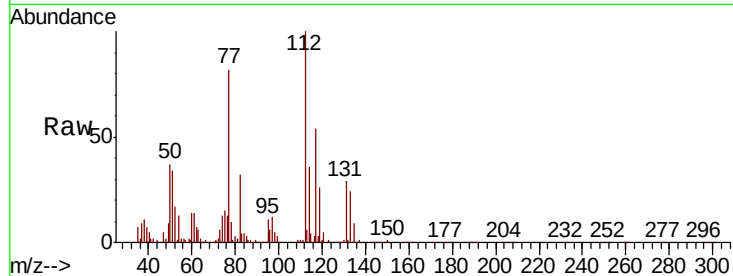
Tot Ion: 112 Resp: 143384

Ion Ratio Lower Upper

112 100

77 72.9 59.6 89.4

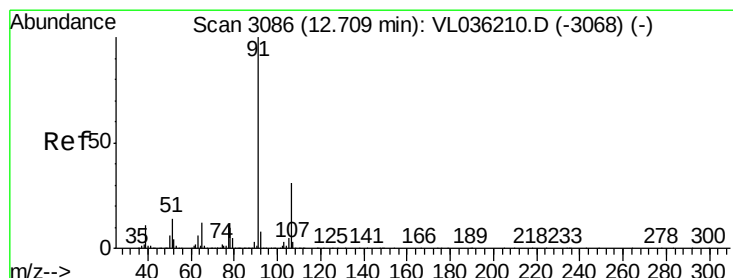
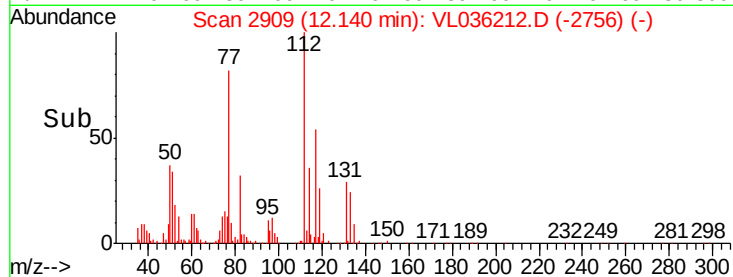
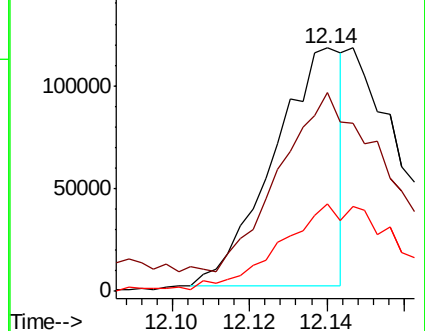
114 36.3 28.7 35.1#



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: 1.150 ppbv

RT: 12.71 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VL036212.D

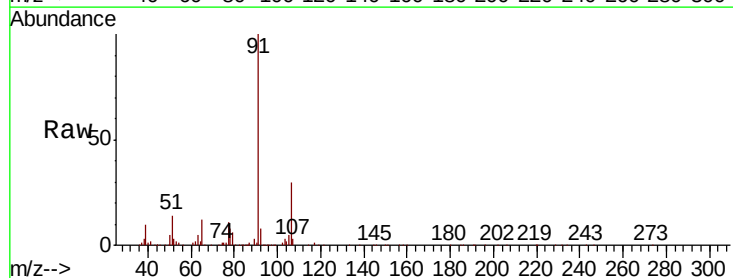
Acq: 13 Jan 2021 3:54

Tgt Ion: 91 Resp: 503440

Ion Ratio Lower Upper

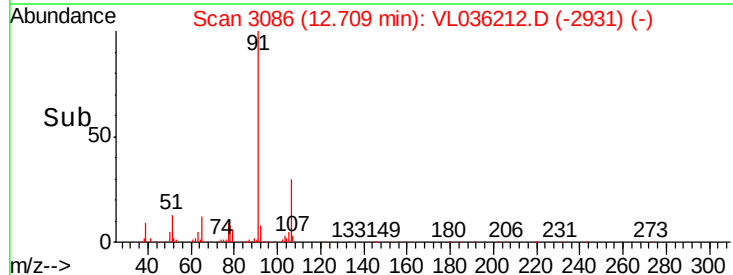
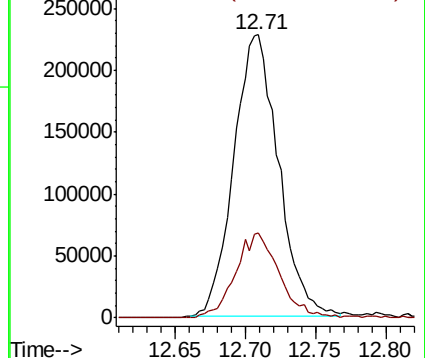
91 100

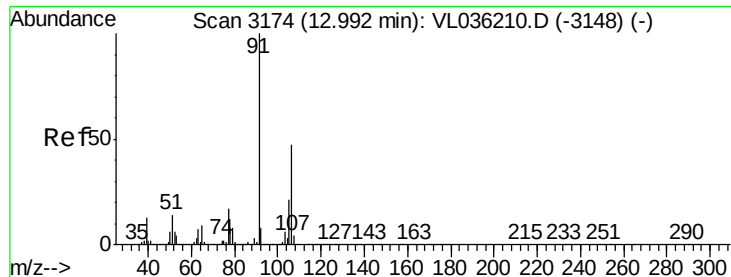
106 30.2 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 1.195 ppbv

RT: 12.99 min Scan# 3172

Delta R.T. -0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

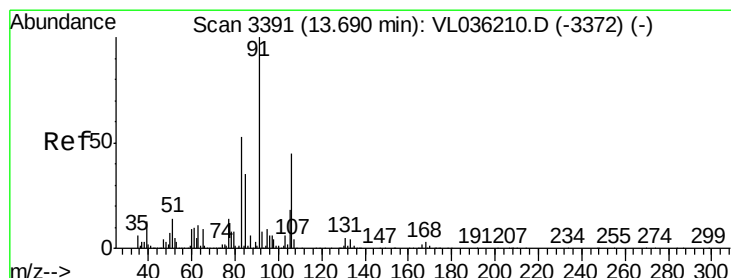
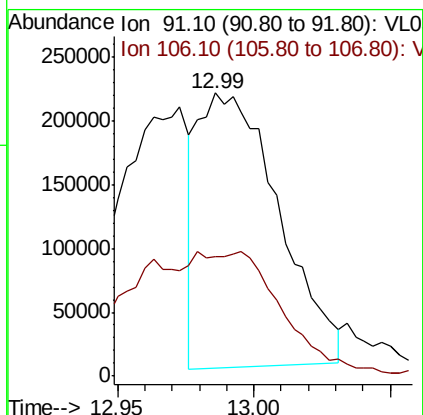
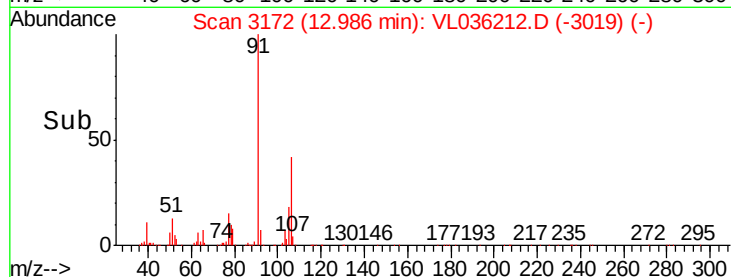
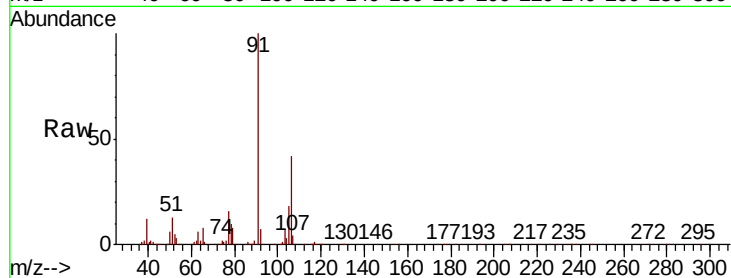
VSTDIC001

Tot Ion: 91 Resp: 439447

Ion Ratio Lower Upper

91 100

106 88.7 34.6 51.8#



#60

o-Xylene

Concen: 1.272 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VL036212.D

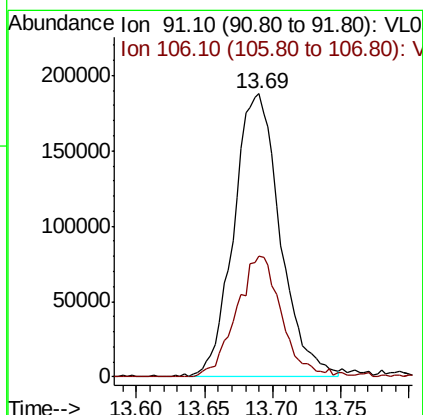
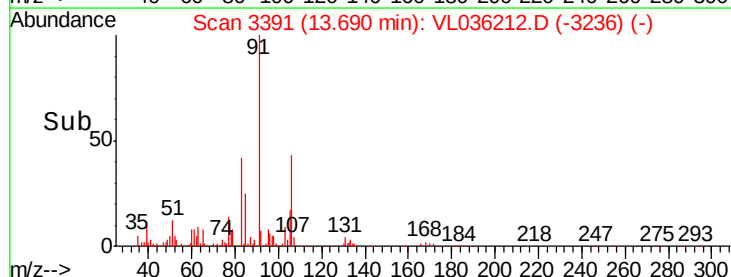
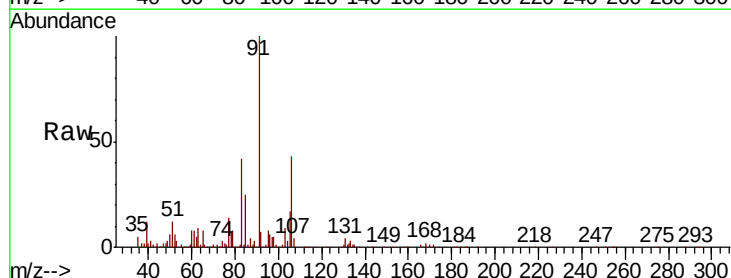
Acq: 13 Jan 2021 3:54

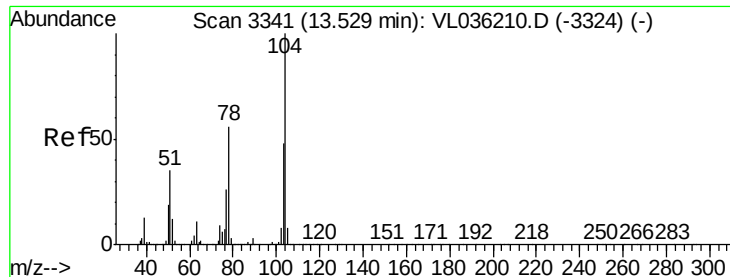
Tgt Ion: 91 Resp: 441706

Ion Ratio Lower Upper

91 100

106 41.9 21.9 65.8





#61

Stvrene

Concen: 1.162 ppbv

RT: 13.52 min Scan# 3339

Delta R.T. -0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

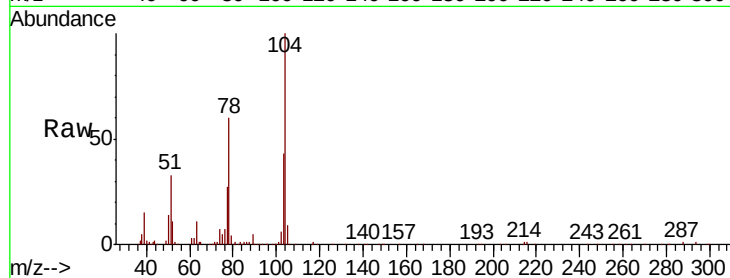
Tot Ion:104 Resp: 261852

Ion Ratio Lower Upper

104 100

78 58.5 46.8 70.2

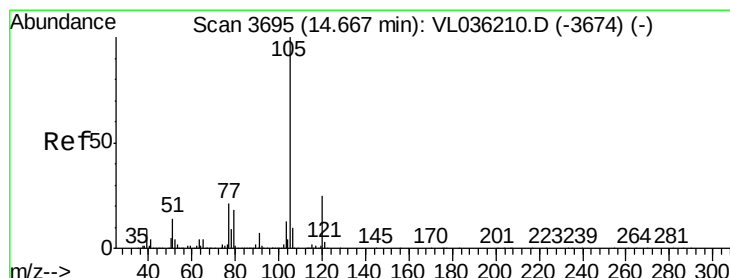
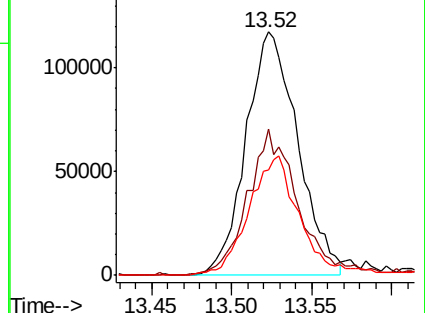
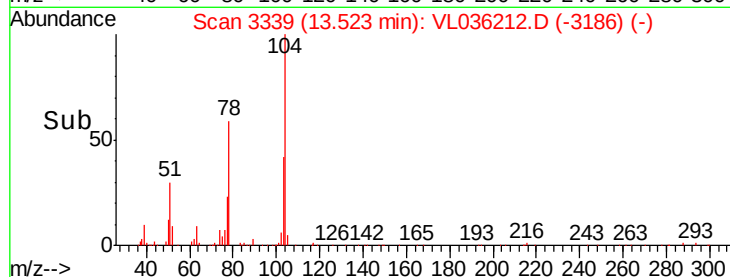
103 49.1 38.4 57.6



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: 1.280 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VL036212.D

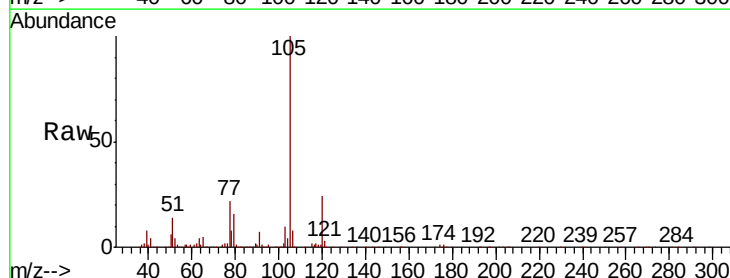
Acq: 13 Jan 2021 3:54

Tgt Ion:105 Resp: 661297

Ion Ratio Lower Upper

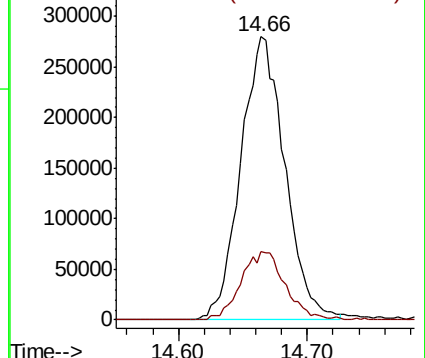
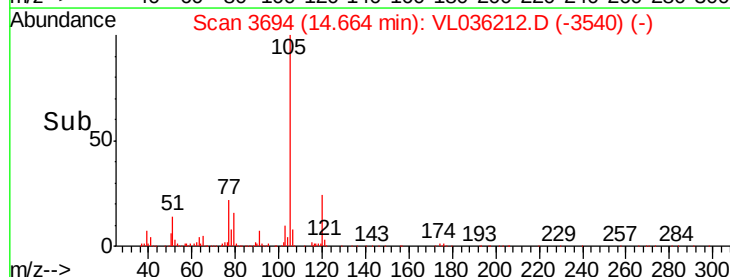
105 100

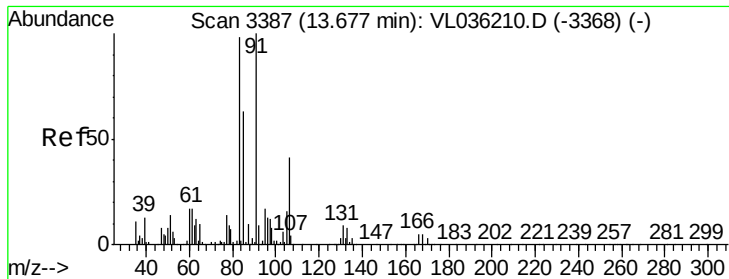
120 24.6 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

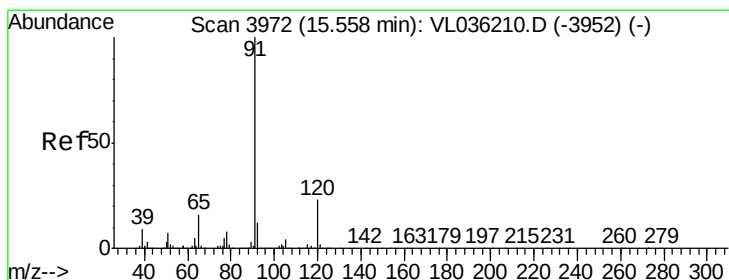
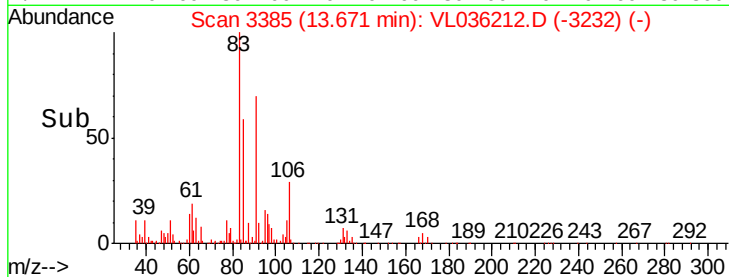
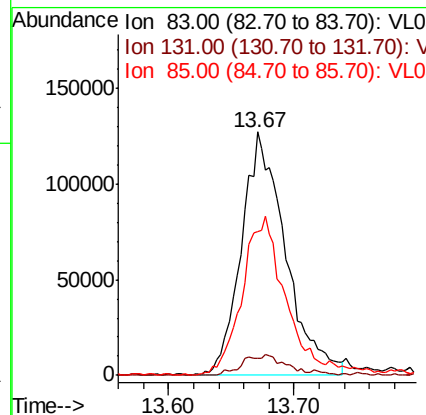
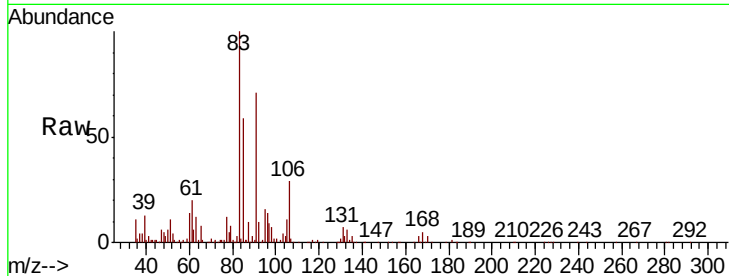




#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.317 ppbv
 RT: 13.67 min Scan# 3385
 Delta R.T. -0.01 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

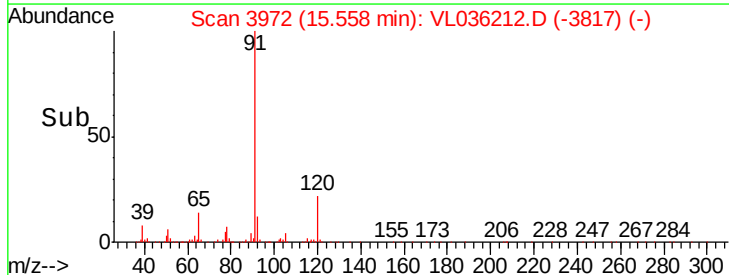
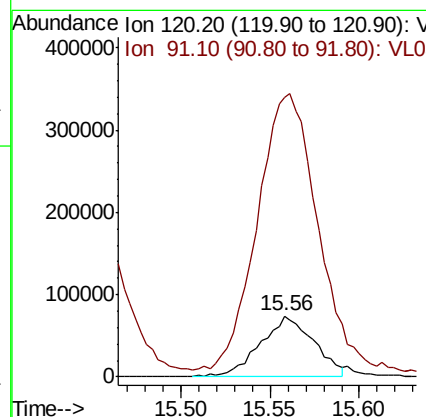
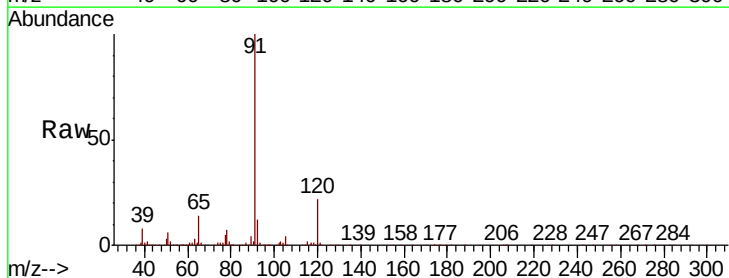
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

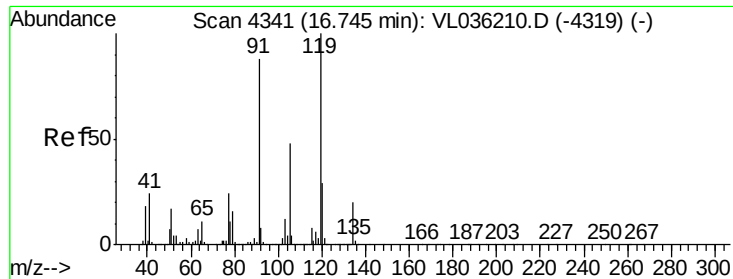
Tot Ion	83	Resp	310539
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.5	13.5
85	66.6	33.1	99.3



#64
 n-propylbenzene
 Concen: 1.242 ppbv
 RT: 15.56 min Scan# 3972
 Delta R.T. -0.00 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

Tgt Ion	120	Resp	155351
Ion Ratio	Lower	Upper	
120	100		
91	556.3	391.8	587.6





#65

tert-Butylbenzene

Concen: 1.329 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

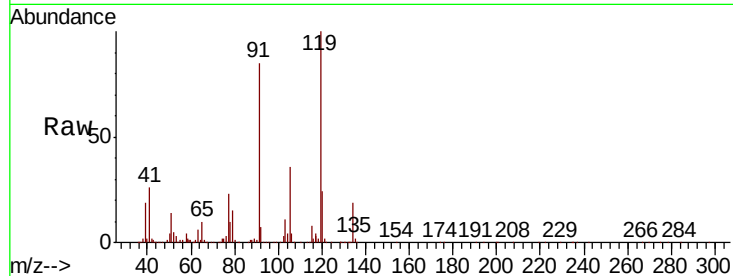
Tot Ion: 119 Resp: 564677

Ion Ratio Lower Upper

119 100

91 95.5 71.0 106.6

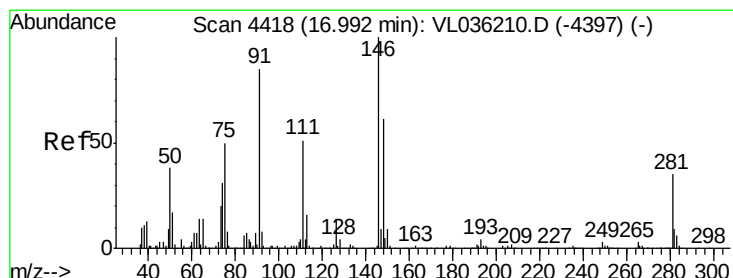
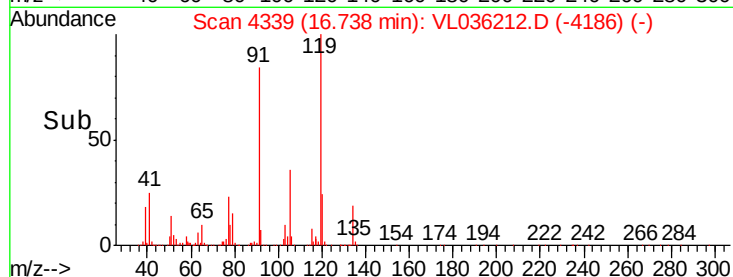
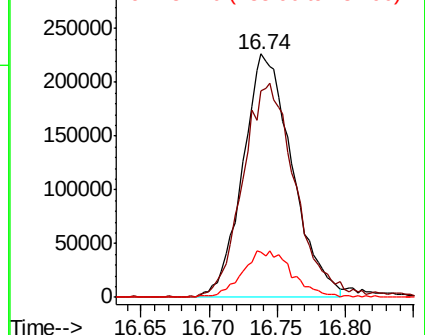
134 19.8 15.8 23.6



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: 0.915 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

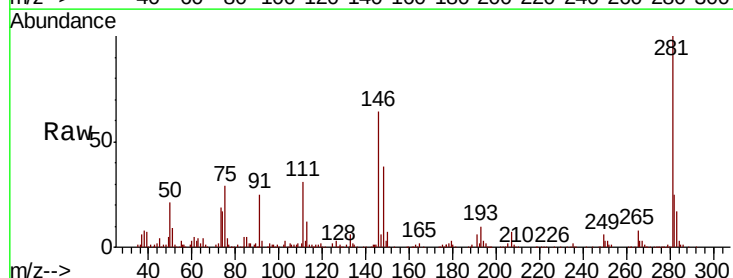
Tgt Ion: 91 Resp: 99765

Ion Ratio Lower Upper

91 100

126 18.5 12.6 19.0

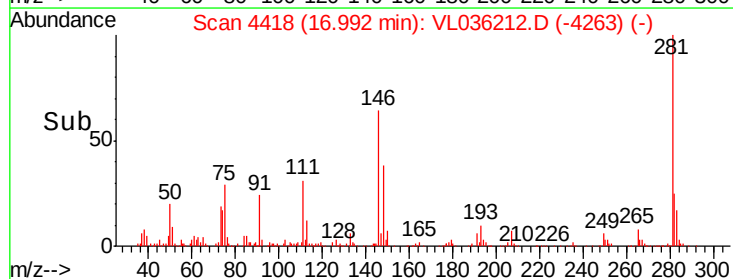
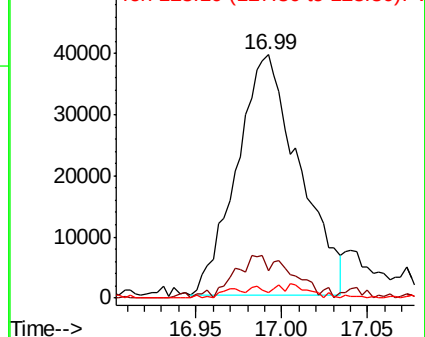
128 5.9 3.8 5.6#

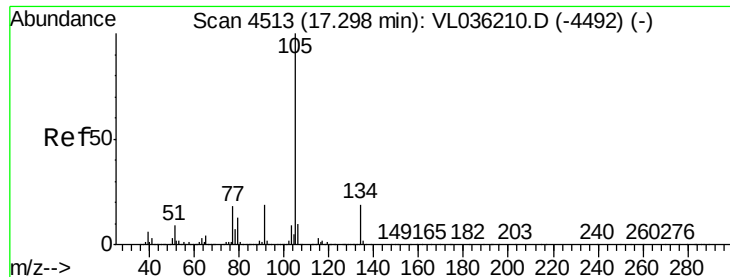


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 1.376 ppbv

RT: 17.29 min Scan# 4511

Delta R.T. -0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

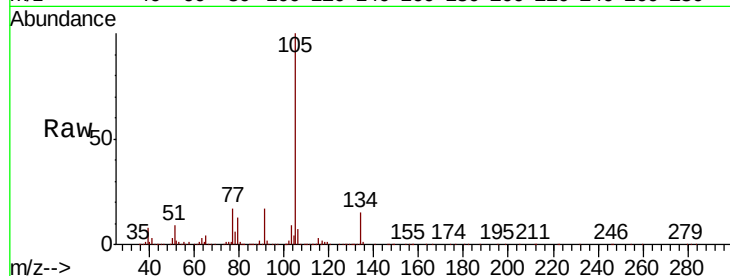
VSTDIC001

Tot Ion: 105 Resp: 826270

Ion Ratio Lower Upper

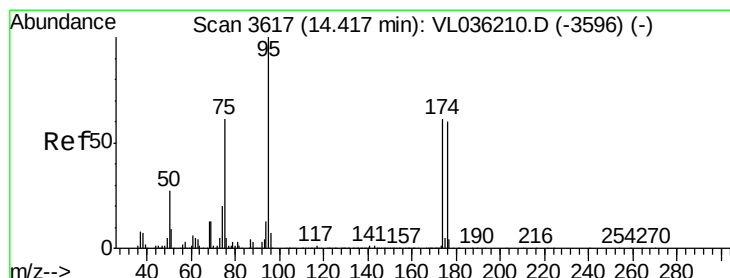
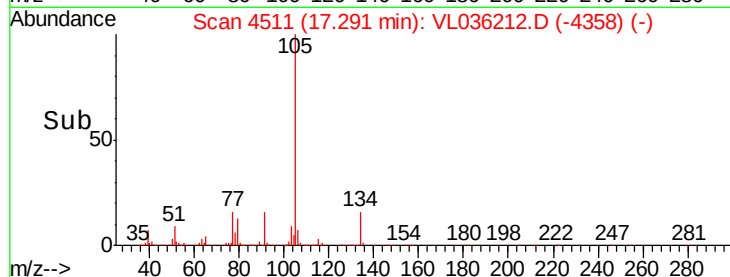
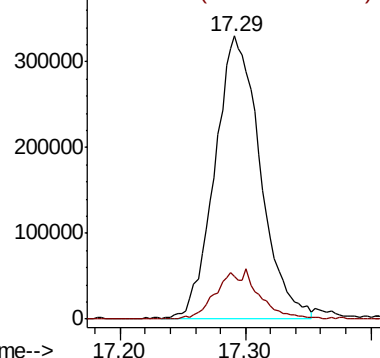
105 100

134 16.4 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: 10.261 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

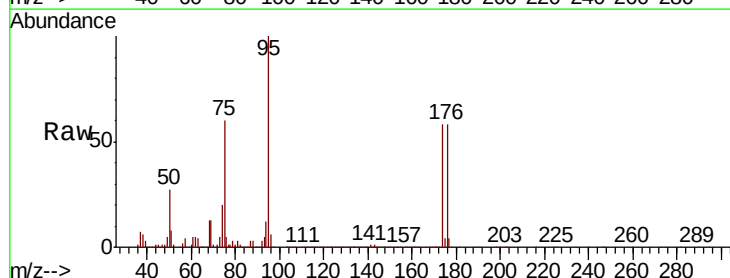
Tgt Ion: 95 Resp: 2611155

Ion Ratio Lower Upper

95 100

174 63.1 49.4 74.0

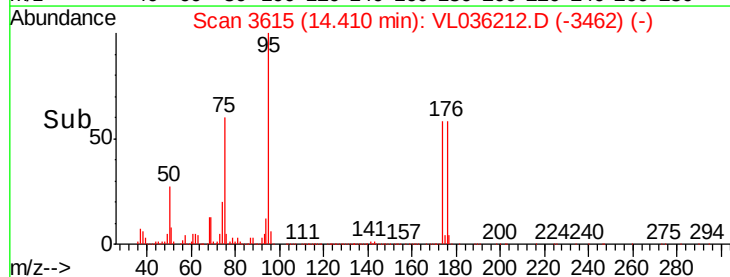
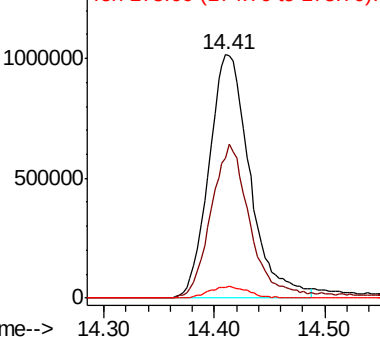
175 4.7 3.8 5.8

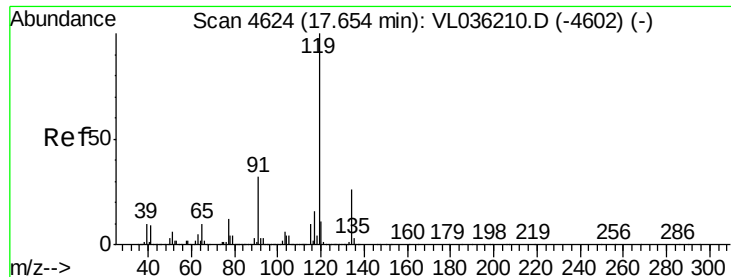


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 1.315 ppbv

RT: 17.65 min Scan# 4623

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

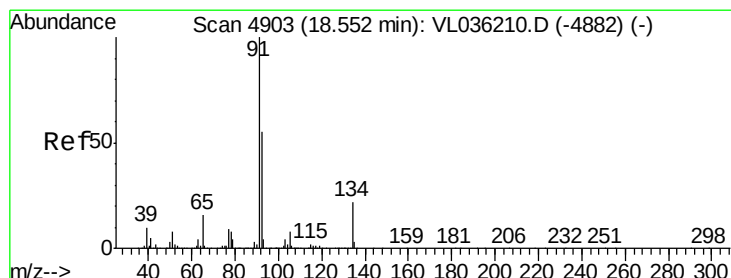
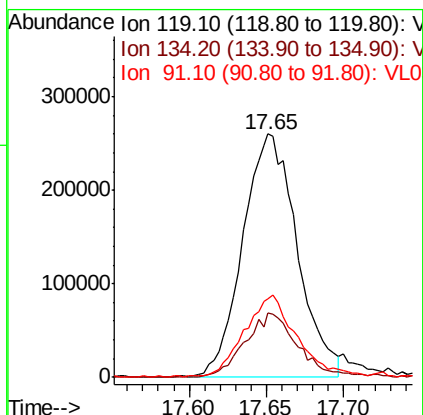
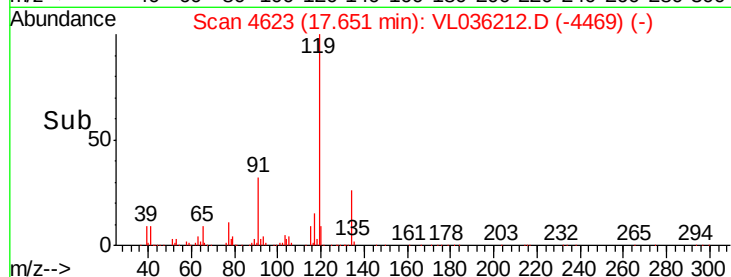
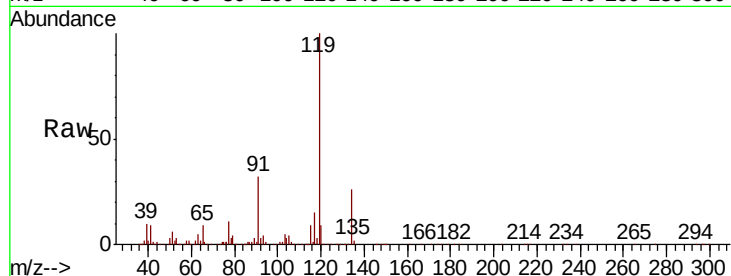
Tot Ion: 119 Resp: 628799

Ion Ratio Lower Upper

119 100

134 26.5 20.2 30.4

91 34.0 26.0 39.0



#70

n-Butylbenzene

Concen: 1.419 ppbv

RT: 18.55 min Scan# 4902

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

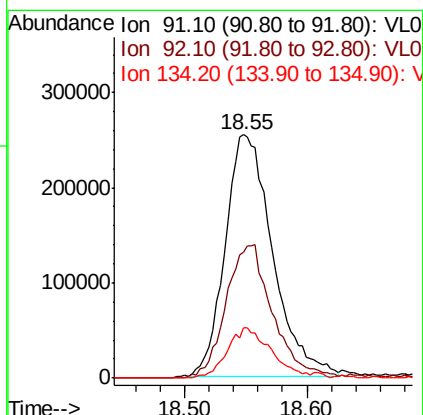
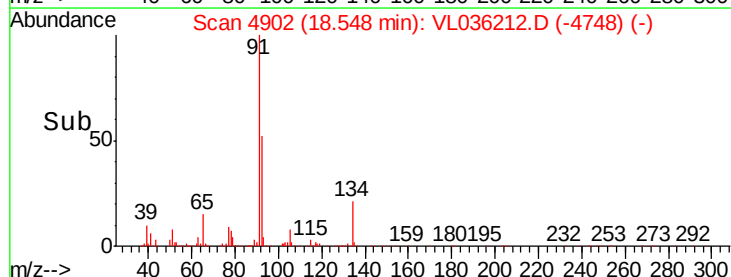
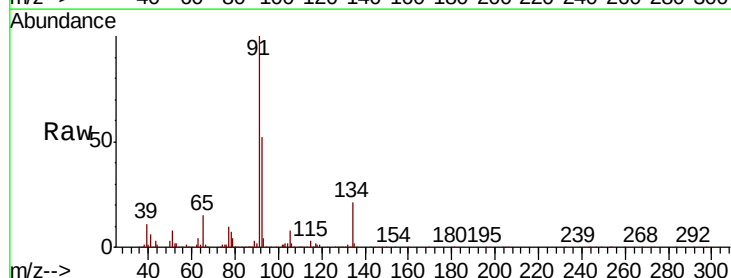
Tgt Ion: 91 Resp: 682207

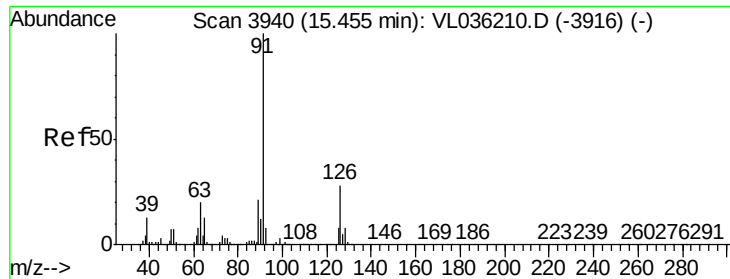
Ion Ratio Lower Upper

91 100

92 55.8 44.0 66.0

134 20.5 17.0 25.4





#71

2-Chlorotoluene

Concen: 1.289 ppbv

RT: 15.45 min Scan# 3939

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

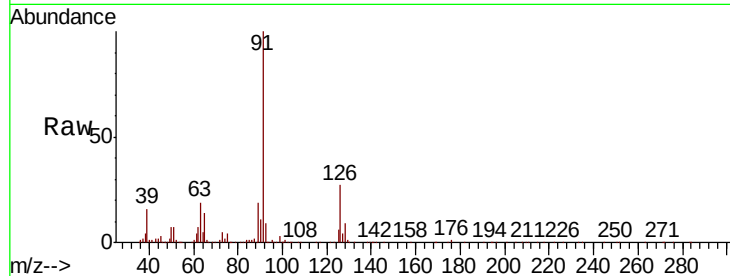
VSTDIC001

Tot Ion: 91 Resp: 508724

Ion Ratio Lower Upper

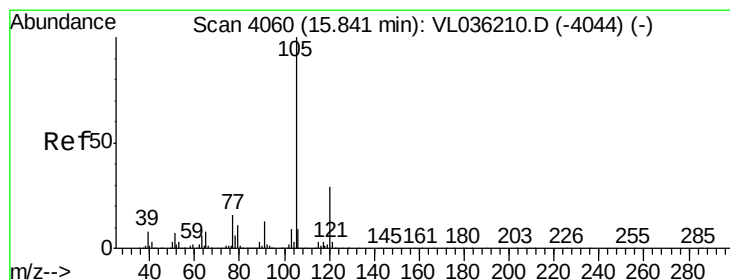
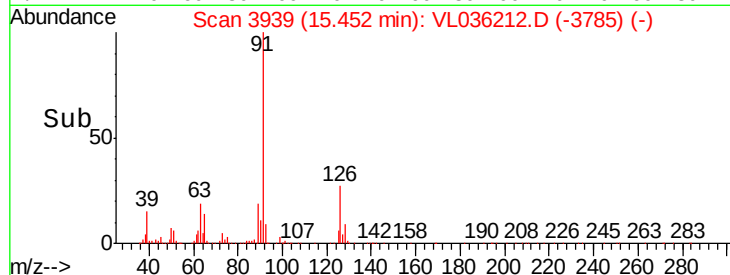
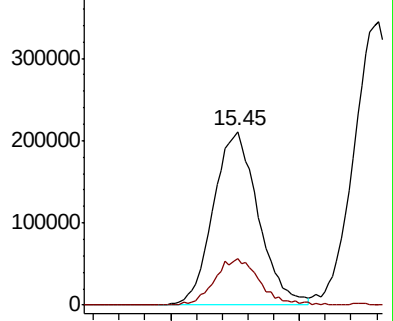
91 100

126 26.7 11.5 45.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.669 ppbv

RT: 15.83 min Scan# 4058

Delta R.T. -0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Tgt Ion: 105 Resp: 254684

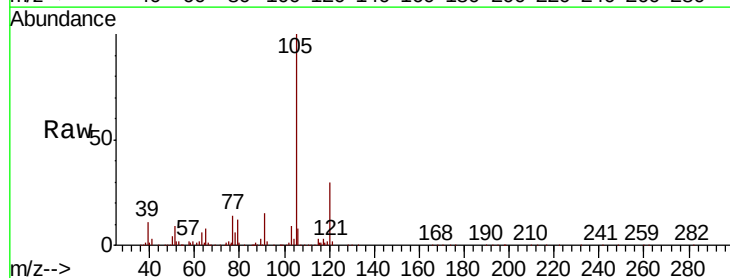
Ion Ratio Lower Upper

105 100

120 56.1 23.7 35.5#

91 0.0 11.9 17.9#

77 30.3 12.6 18.8#

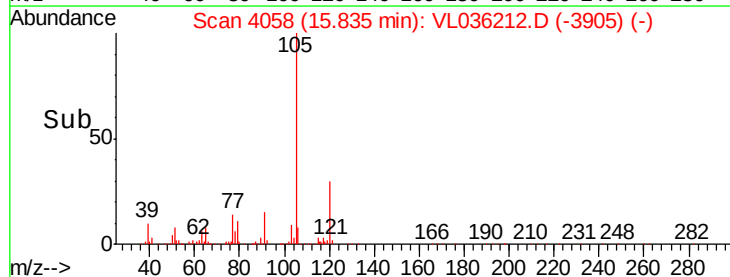
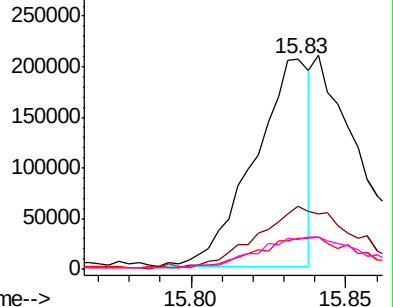


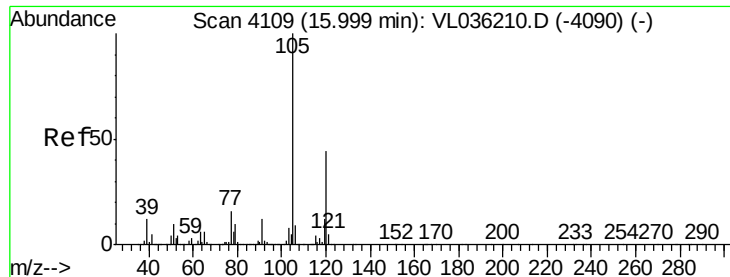
Abundance Ion 105.10 (104.80 to 105.80): V

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: 1.268 ppbv

RT: 16.00 min Scan# 4108

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

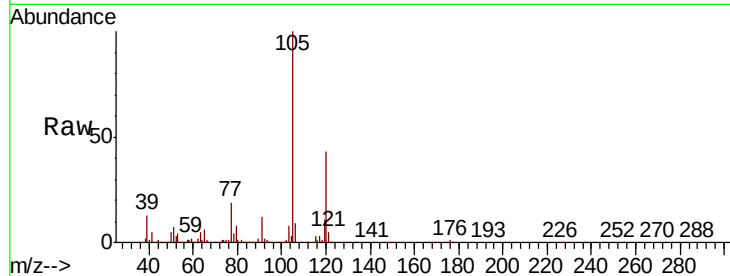
VSTDIC001

Tot Ion:105 Resp: 462113

Ion Ratio Lower Upper

105 100

120 41.8 35.5 53.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.00

200000

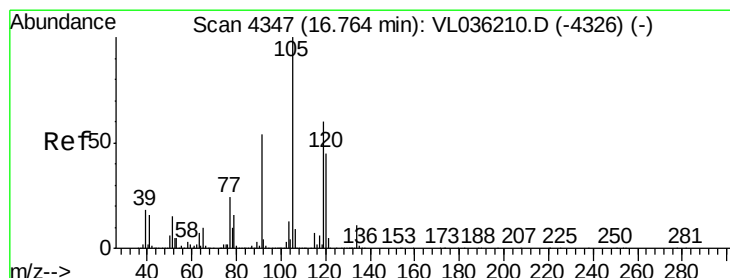
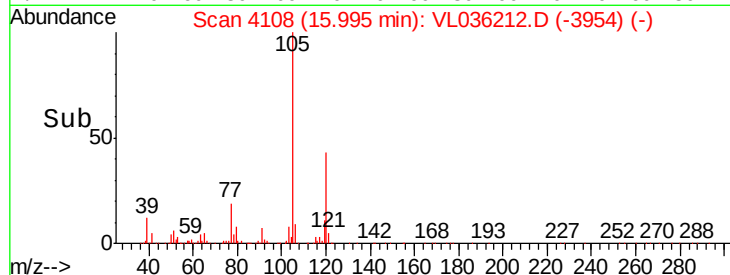
150000

100000

50000

0

Time--> 15.90 15.95 16.00 16.05



#74

1,2,4-Trimethylbenzene

Concen: 1.317 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. -0.00 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Tgt Ion:105 Resp: 481291

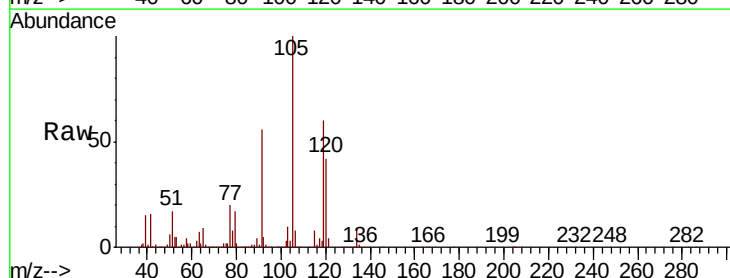
Ion Ratio Lower Upper

105 100

120 40.6 36.2 54.2

91 54.5 43.3 64.9

77 18.4 19.1 28.7#



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

300000

250000

200000

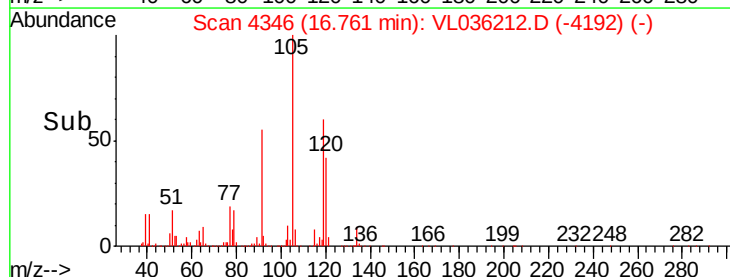
150000

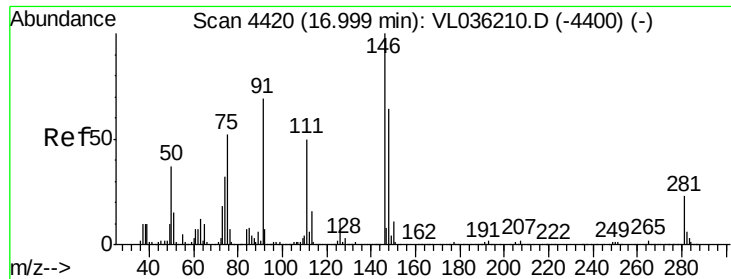
100000

50000

0

Time--> 16.70 16.75 16.80 16.85

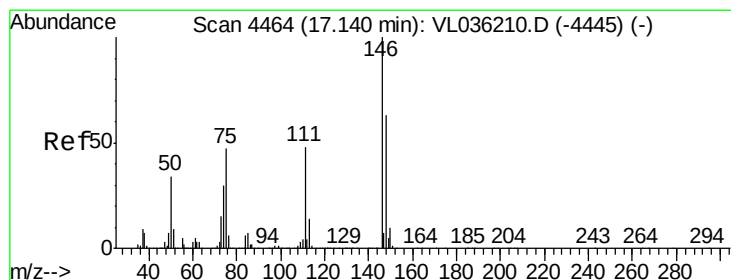
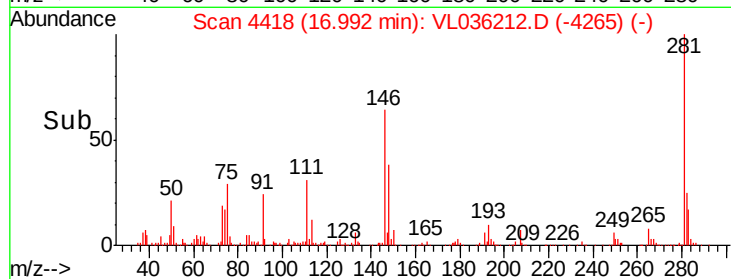
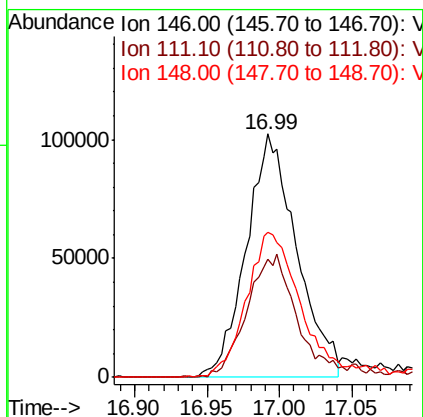
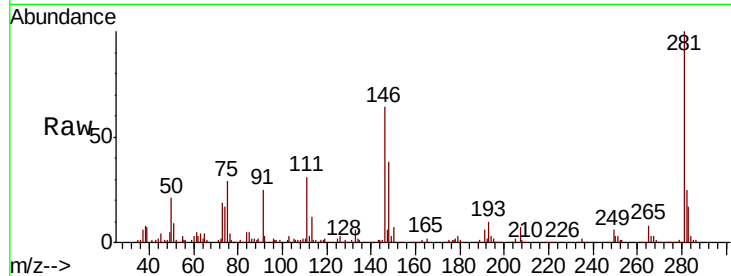




#75
 1,3-Dichlorobenzene
 Concen: 1.344 ppbv
 RT: 16.99 min Scan# 4418
 Delta R.T. -0.01 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

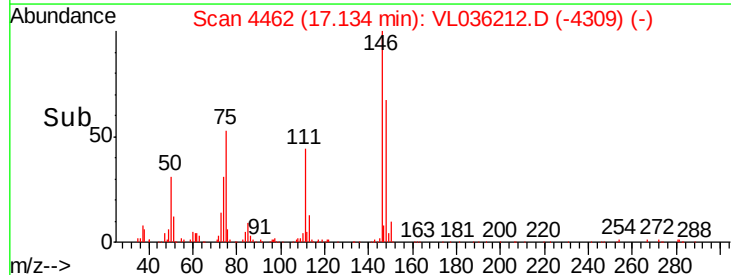
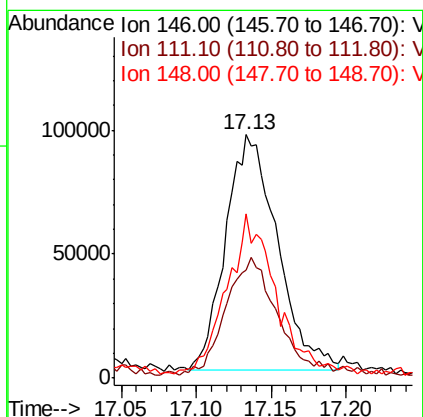
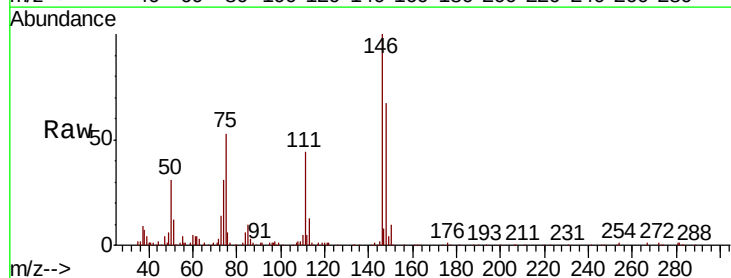
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

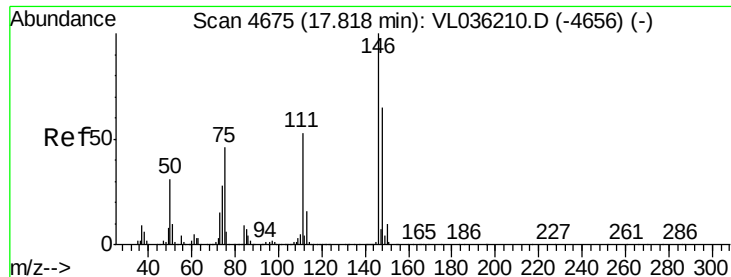
Tot Ion	Ratio	Lower	Upper
146	100		
111	51.6	25.5	76.5
148	65.7	32.4	97.2



#76
 1,4-Dichlorobenzene
 Concen: 1.207 ppbv
 RT: 17.13 min Scan# 4462
 Delta R.T. -0.01 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.8	25.4	76.0
148	70.5	33.3	99.9

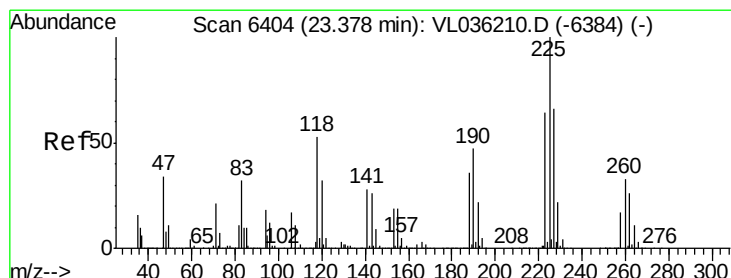
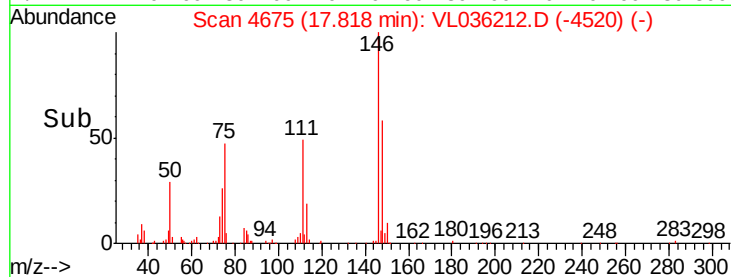
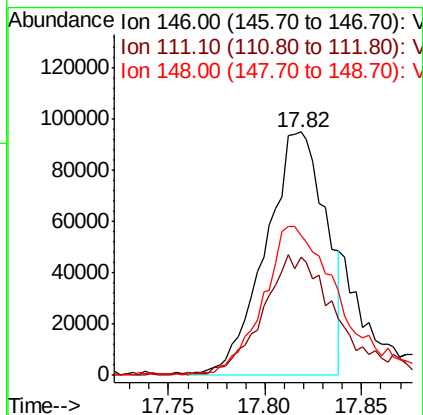
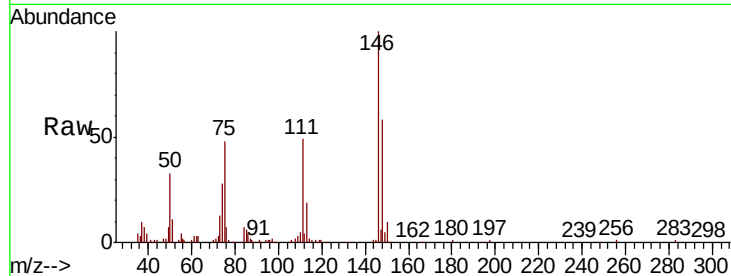




#77
 1,2-Dichlorobenzene
 Concen: 1.141 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. -0.00 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

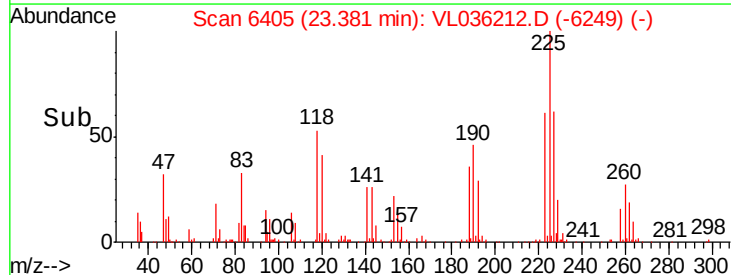
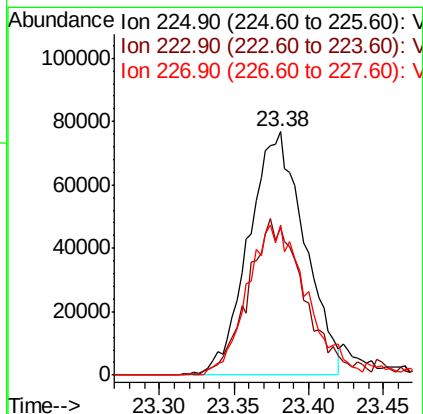
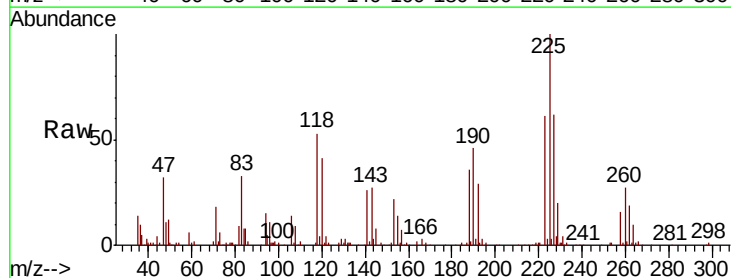
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

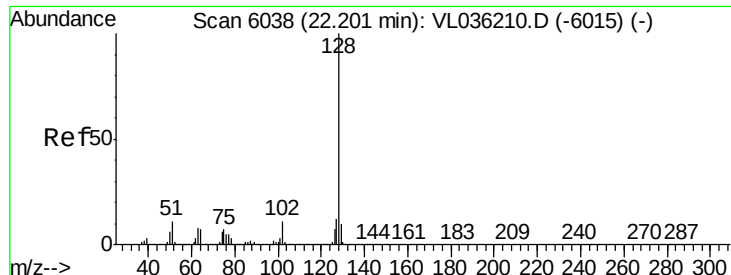
Tot Ion:146 Resp: 203945
 Ion Ratio Lower Upper
 146 100
 111 63.0 26.5 79.4
 148 80.7 32.8 98.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 1.413 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. 0.00 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

Tgt Ion:225 Resp: 199506
 Ion Ratio Lower Upper
 225 100
 223 64.5 50.5 75.7
 227 68.0 51.7 77.5





#79

Naphthalene

Concen: 0.566 ppbv

RT: 22.21 min Scan# 6040

Delta R.T. 0.01 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

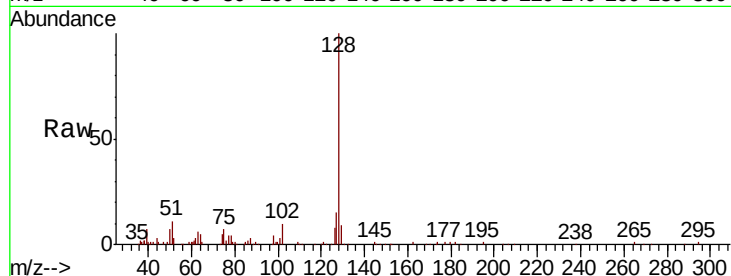
Tot Ion:128 Resp: 110829

Ion Ratio Lower Upper

128 100

127 14.4 9.9 14.9

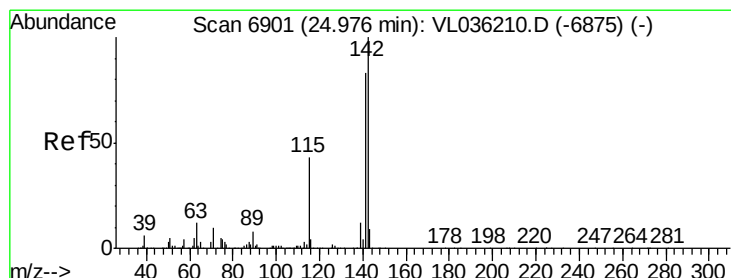
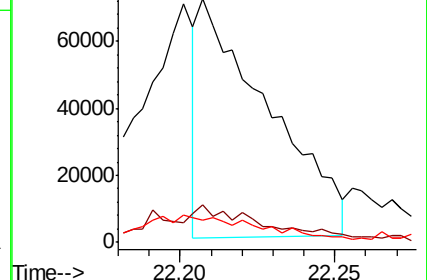
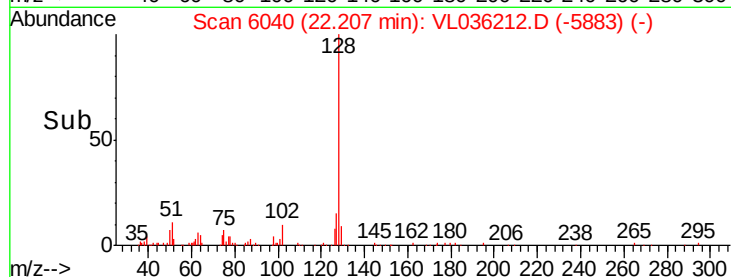
129 8.7 8.4 12.6



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: 0.865 ppbv

RT: 25.02 min Scan# 6916

Delta R.T. 0.05 min

Lab File: VL036212.D

Acq: 13 Jan 2021 3:54

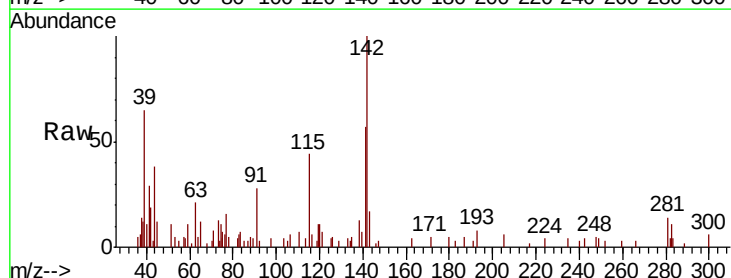
Tgt Ion:142 Resp: 34579

Ion Ratio Lower Upper

142 100

141 66.1 68.6 102.8#

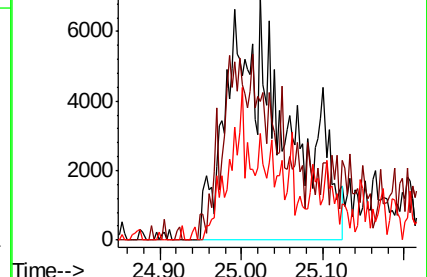
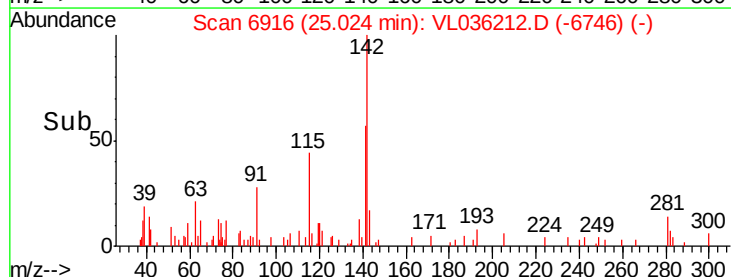
115 21.6 32.9 49.3#

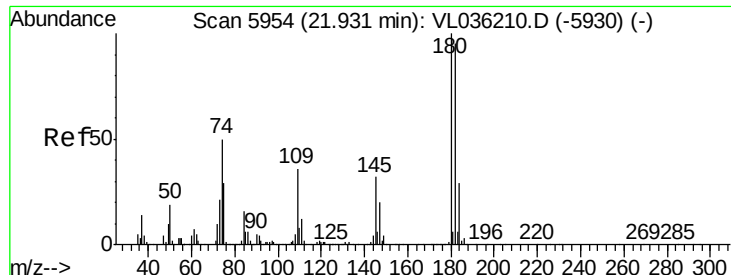


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.444 ppbv
 RT: 21.92 min Scan# 5952
 Delta R.T. -0.01 min
 Lab File: VL036212.D
 Acq: 13 Jan 2021 3:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	79.9	119.9#
184	0.0	25.6	38.4#

