

Data File : VL036066.D
Acq On : 7 Dec 2020 13:47
Operator : SY/AP
Sample : VSTDIC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Quant Time: Dec 07 14:41:20 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 13:39:30 2020
QLast Update : Mon Dec 07 13:39:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1268404	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2915188	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2673230	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2151664	10.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	166718	0.755	ppbv	96
3) Chlorodifluoromethane	3.00	51	153695	1.027	ppbv	100
4) Chloromethane	3.15	50	71225	0.973	ppbv #	87
5) Vinyl Chloride	3.27	62	69808	0.751	ppbv #	80
6) Bromomethane	3.48	94	38380	0.525	ppbv #	76
7) Chloroethane	3.56	64	21912	0.656	ppbv	93
8) Dichlorotetrafluoroethane	3.20	85	149565	0.574	ppbv	90
9) Propene	3.02	41	70224	1.344	ppbv	97
10) Heptane	8.14	43	184642	1.295	ppbv	98
11) Trichlorofluoromethane	3.96	101	172839	0.578	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.50	101	111415	0.495	ppbv	92
13) Ethanol	3.63	45	7147	0.676	ppbv #	37
14) Bromoethene	3.75	108	46823	0.513	ppbv	96
15) Acetone	3.87	43	159325	1.209	ppbv #	86
16) 1,3-Butadiene	3.34	39	72724	1.256	ppbv	96
17) tert-Butyl alcohol	4.31	59	64801	0.449	ppbv #	71
18) 1,1-Dichloroethene	4.30	96	51215	0.513	ppbv	88
19) Isopropyl Alcohol	3.98	45	34789	0.492	ppbv #	100
20) Methylene Chloride	4.36	84	47215	0.414	ppbv	98
21) Allyl Chloride	4.42	41	47917	0.682	ppbv #	17
22) trans-1,2-Dichloroethene	4.90	96	45148	0.455	ppbv	96
23) Vinyl Acetate	5.09	43	190691	1.225	ppbv #	93
24) 1,1-Dichloroethane	5.02	63	141557	0.796	ppbv #	94
25) Ethyl Acetate	5.70	43	312729	1.180	ppbv	99
26) Hexane	5.71	57	140063	0.995	ppbv	95
27) Carbon Disulfide	4.57	76	133456	0.651	ppbv	96
28) Methyl tert-Butyl Ether	5.06	73	195191	0.931	ppbv	99
29) Chloroform	5.76	83	182937	0.688	ppbv	86
30) Cyclohexane	7.15	84	52029	0.392	ppbv #	9
31) cis-1,2-Dichloroethene	5.56	61	122401	0.950	ppbv	91
32) 1,1,1-Trichloroethane	6.53	97	107224	0.440	ppbv #	28
34) 2-Butanone	5.26	43	90452	0.905	ppbv #	56
35) Carbon Tetrachloride	7.03	117	87155	0.572	ppbv	90
36) Benzene	6.91	78	117844	0.591	ppbv	98
37) 1,2-Dichloroethane	6.32	62	149478	1.445	ppbv	99
38) Trichloroethene	7.86	130	90134	1.010	ppbv	90
39) 1,2-Dichloropropane	7.63	63	98983	1.296	ppbv	93
41) Tetrahydrofuran	6.08	42	59990	1.150	ppbv #	50
42) Bromodichloromethane	7.81	83	187932	1.149	ppbv	93
43) Methyl Methacrylate	8.04	69	110200	1.517	ppbv	96
44) 2,2,4-Trimethylpentane	7.89	57	472239	1.598	ppbv	99

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VSTDIC001

Quant Time: Dec 07 14:41:20 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 13:39:30 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.30	75	86728	1.263	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	65598	0.713	ppbv	94
47) 1,1,2-Trichloroethane	9.50	97	51656	0.539	ppbv #	89
48) Dibromochloromethane	10.33	129	135583	1.006	ppbv	98
49) Bromoform	13.06	173	101183	1.012	ppbv	95
50) 4-Methyl-2-Pentanone	8.78	43	287733	1.894	ppbv	99
51) 2-Hexanone	10.17	43	181536	1.652	ppbv #	88
52) Tetrachloroethene	11.25	164	52786	0.683	ppbv	96
53) Toluene	9.83	91	287553	1.325	ppbv	100
54) 1,2-Dibromoethane	10.64	107	130210	0.959	ppbv	86
56) 1,1,1,2-Tetrachloroethane	12.16	131	51367	0.471	ppbv #	8
57) Chlorobenzene	12.18	112	195024	0.989	ppbv	99
58) Ethyl Benzene	12.73	91	396585	1.500	ppbv	96
59) m/p-Xylene	13.02	91	279063	1.158	ppbv #	7
60) o-Xylene	13.72	91	312188	1.283	ppbv	99
61) Styrene	13.56	104	56127	0.407	ppbv #	25
62) Isopropylbenzene	14.69	105	467717	1.295	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	160110	0.785	ppbv	82
64) n-propylbenzene	15.59	120	107024	1.126	ppbv	86
65) tert-Butylbenzene	16.77	119	387832	1.281	ppbv	96
66) Benzyl Chloride	17.02	91	28537	0.391	ppbv #	28
67) sec-Butylbenzene	17.33	105	540096	1.306	ppbv	98
69) p-Isopropyltoluene	17.68	119	420392	1.346	ppbv	98
70) n-Butylbenzene	18.58	91	176323	0.570	ppbv #	15
71) 2-Chlorotoluene	15.49	91	169914	0.684	ppbv #	46
72) 4-Ethyltoluene	15.87	105	338965	1.353	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	303228	1.292	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	146184	0.558	ppbv	94
75) 1,3-Dichlorobenzene	17.03	146	81816	0.517	ppbv #	23
76) 1,4-Dichlorobenzene	17.17	146	146614	0.980	ppbv	92
77) 1,2-Dichlorobenzene	17.85	146	140904	0.970	ppbv	91
78) Hexachloro-1,3-Butadiene	23.41	225	113142	1.417	ppbv	93
79) Naphthalene	22.25	128	102486	0.839	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.97	180	10431	0.124	ppbv #	100

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

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ClientSampleId :
VSTDICC001

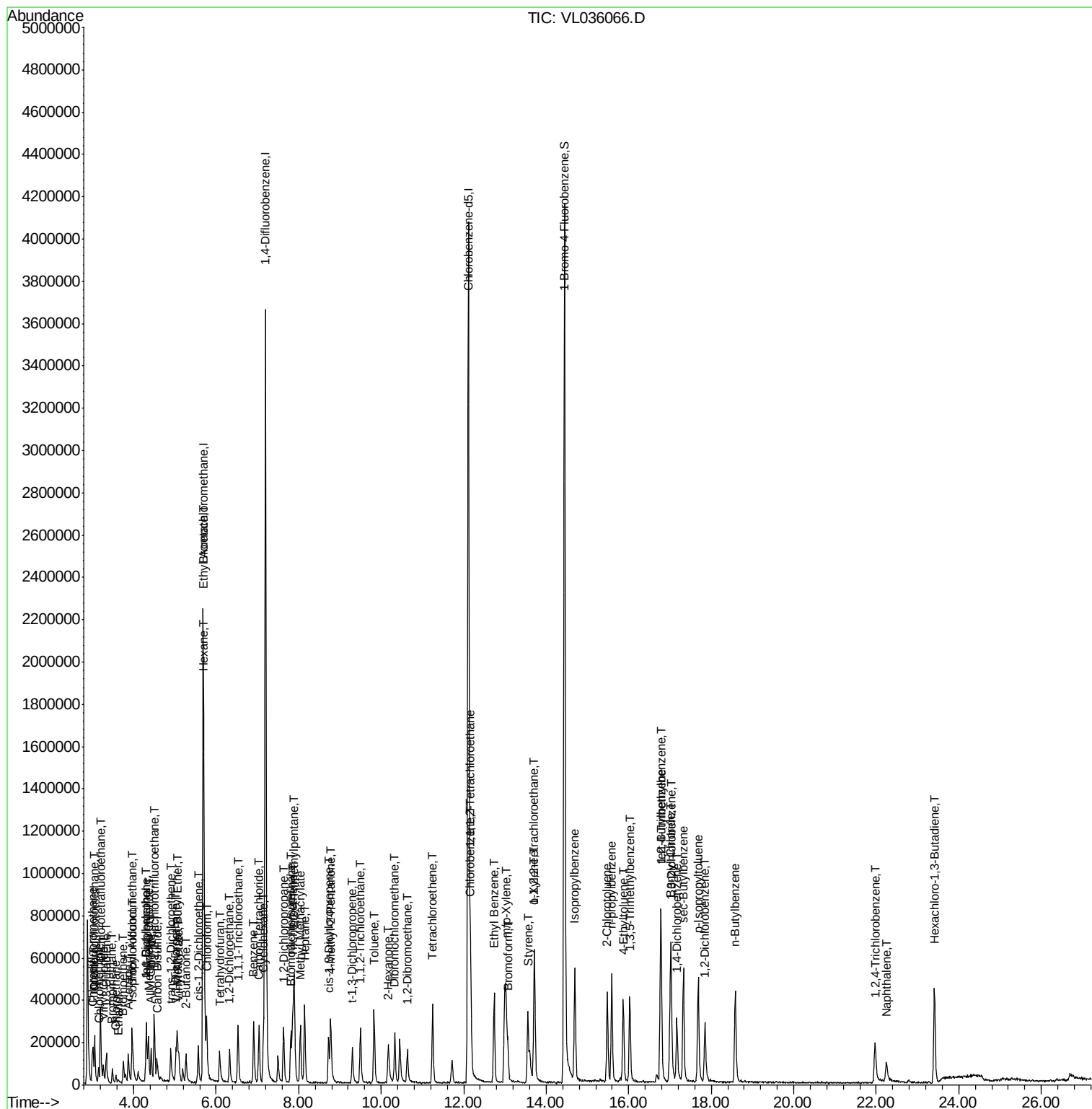
Quant Time: Dec 07 14:41:20 2020

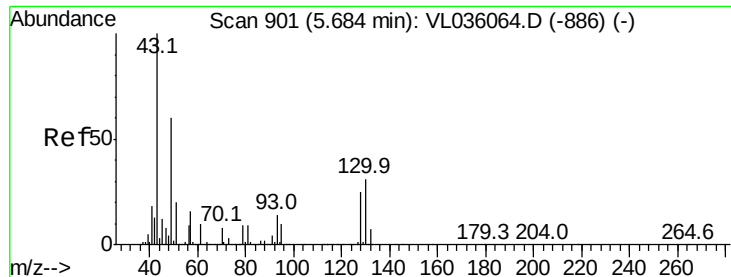
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL120720AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Dec 07 13:39:30 2020

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

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VSTDIC001

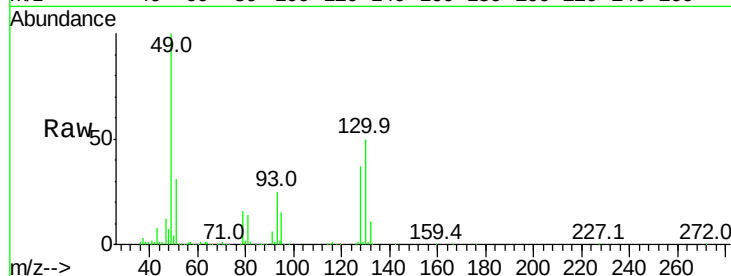
Tgt Ion: 49 Resp: 1268404

Ion Ratio Lower Upper

49 100

128 41.6 21.1 63.1

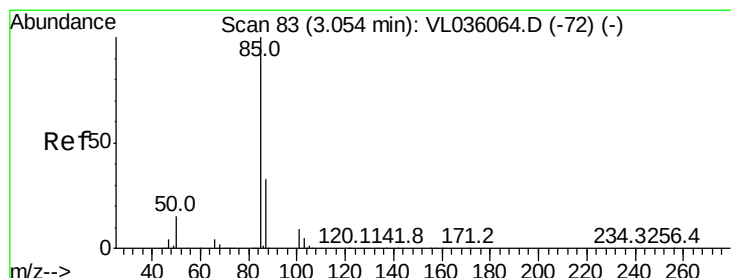
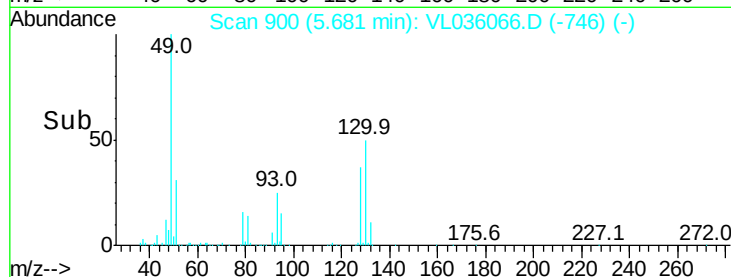
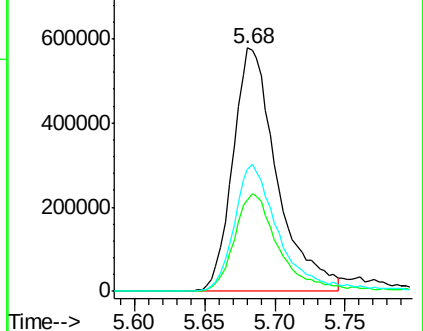
130 54.0 27.1 81.3



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: 0.755 ppbv

RT: 3.05 min Scan# 83

Delta R.T. -0.00 min

Lab File: VL036066.D

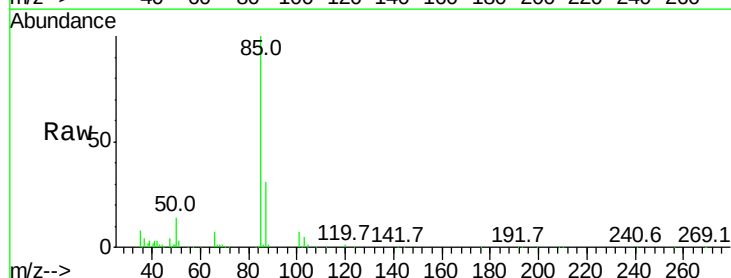
Acq: 7 Dec 2020 13:47

Tgt Ion: 85 Resp: 166718

Ion Ratio Lower Upper

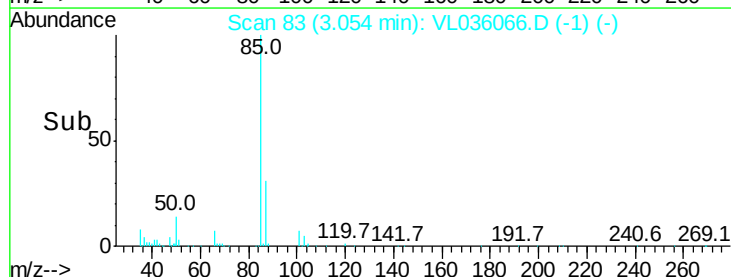
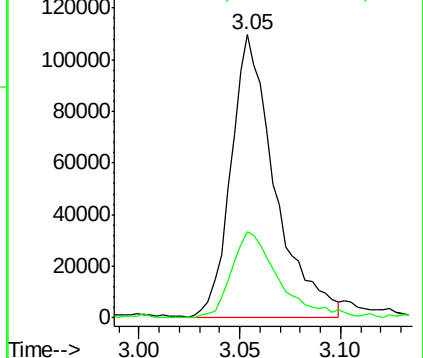
85 100

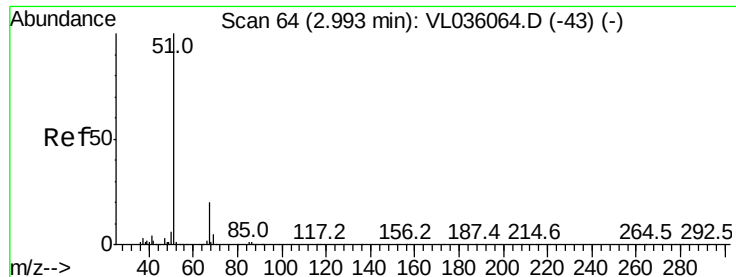
87 30.7 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.027 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

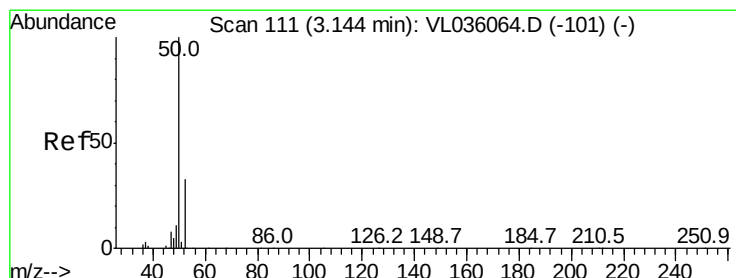
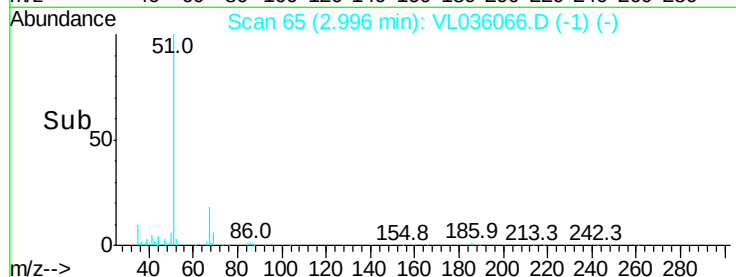
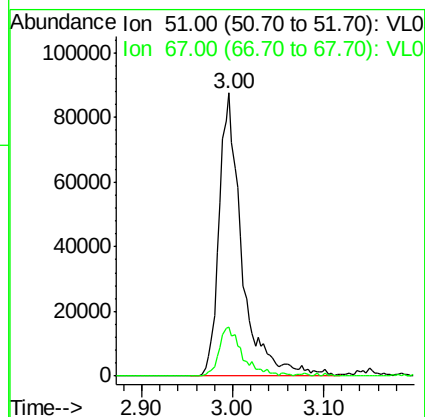
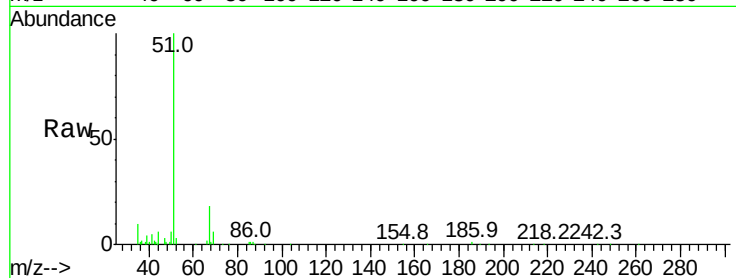
VSTDIC001

Tgt Ion: 51 Resp: 153695

Ion Ratio Lower Upper

51 100

67 17.8 14.3 21.5



#4

Chloromethane

Concen: 0.973 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL036066.D

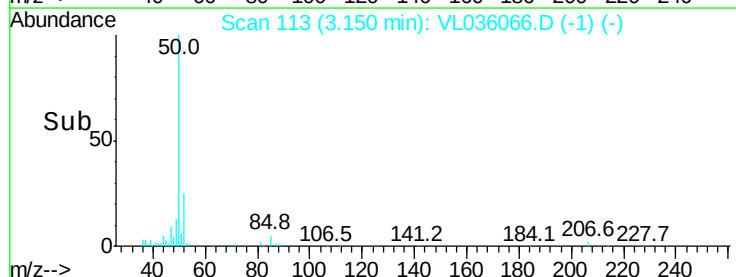
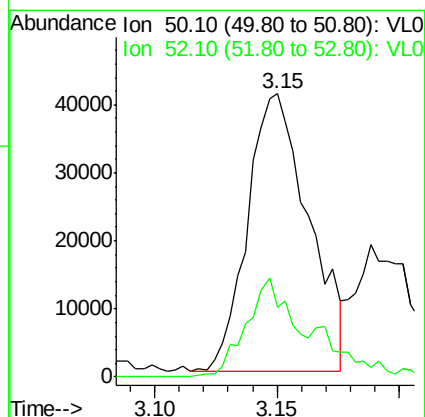
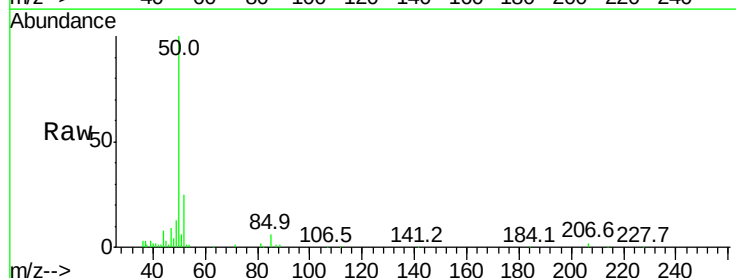
Acq: 7 Dec 2020 13:47

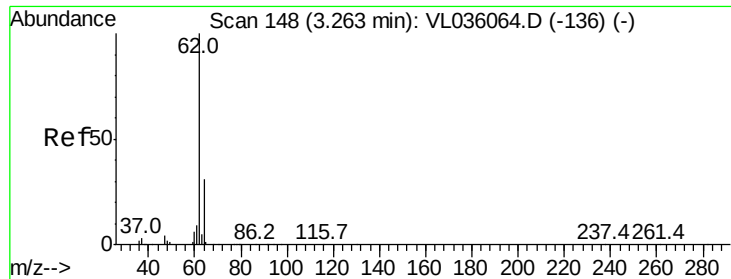
Tgt Ion: 50 Resp: 71225

Ion Ratio Lower Upper

50 100

52 25.2 26.1 39.1#





#5

Vinyl Chloride

Concen: 0.751 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

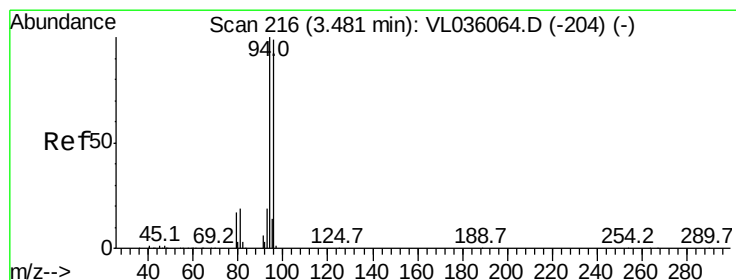
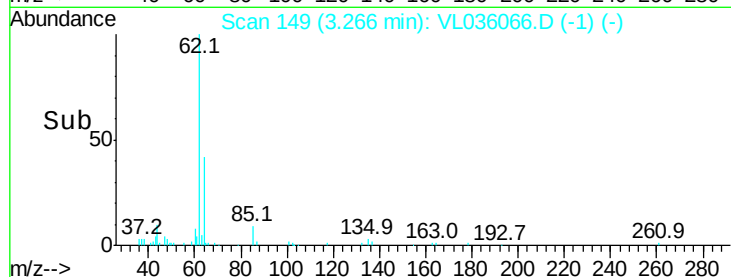
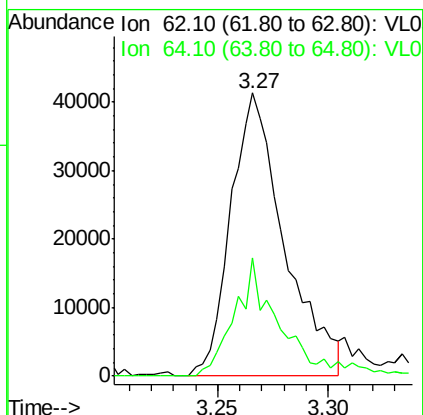
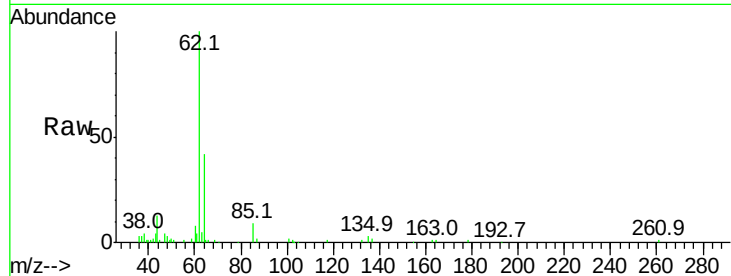
VSTDIC001

Tgt Ion: 62 Resp: 69808

Ion Ratio Lower Upper

62 100

64 41.7 24.5 36.7#



#6

Bromomethane

Concen: 0.525 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.00 min

Lab File: VL036066.D

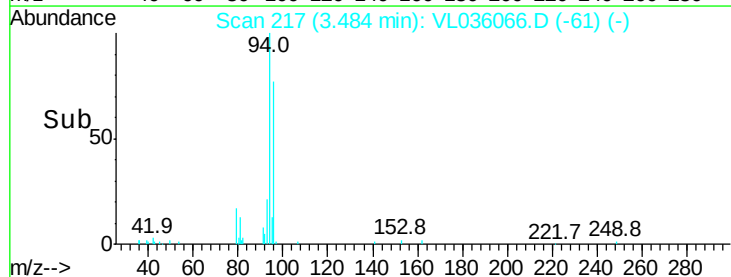
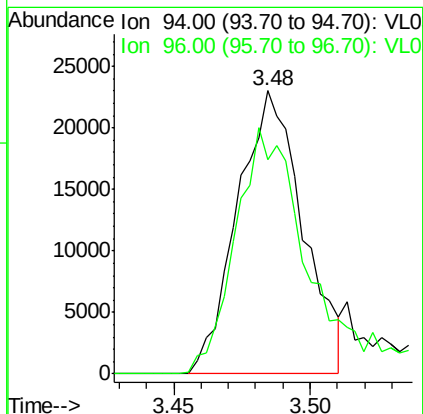
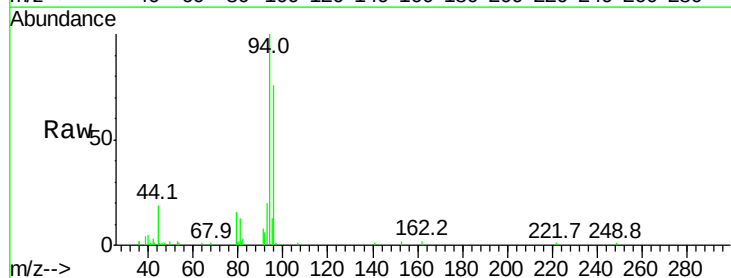
Acq: 7 Dec 2020 13:47

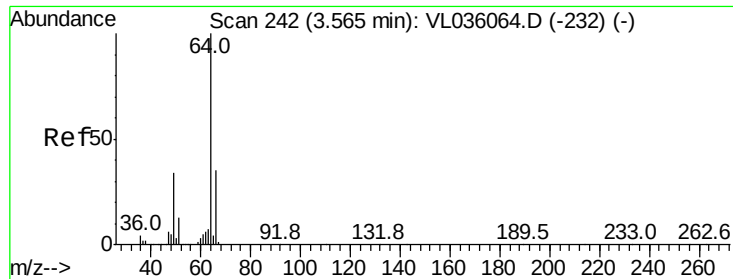
Tgt Ion: 94 Resp: 38380

Ion Ratio Lower Upper

94 100

96 74.9 79.4 119.0#





#7

Chloroethane

Concen: 0.656 ppbv

RT: 3.56 min Scan# 242

Delta R.T. -0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

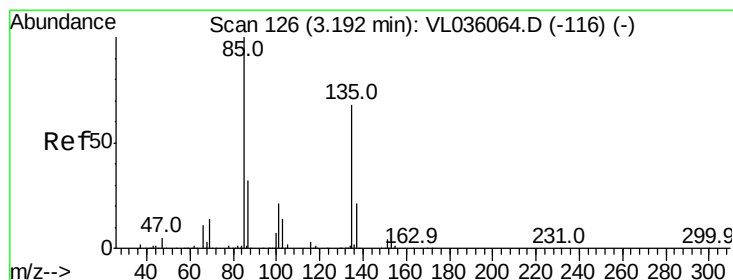
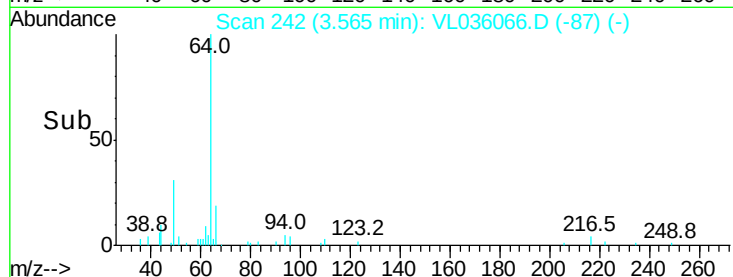
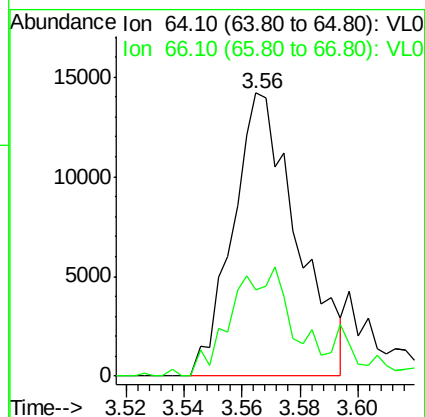
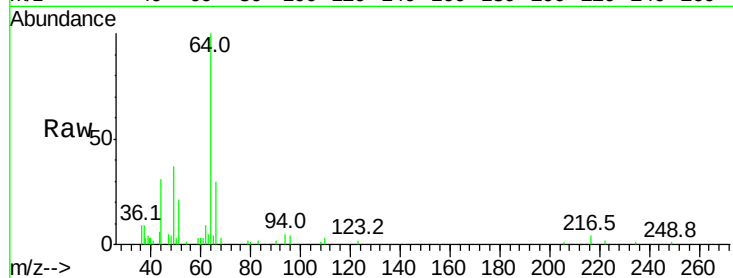
VSTDIC001

Tgt Ion: 64 Resp: 21912

Ion Ratio Lower Upper

64 100

66 30.4 27.7 41.5



#8

Dichlorotetrafluoroethane

Concen: 0.574 ppbv

RT: 3.20 min Scan# 128

Delta R.T. 0.01 min

Lab File: VL036066.D

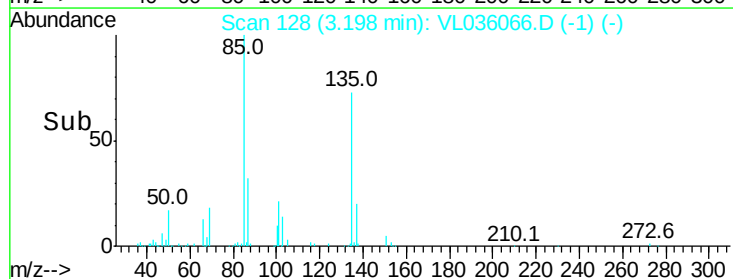
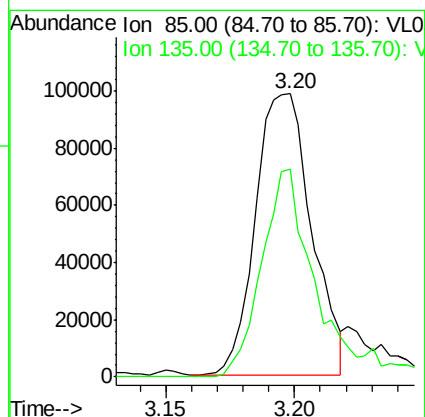
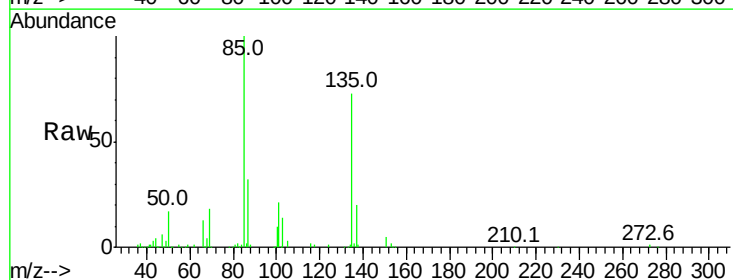
Acq: 7 Dec 2020 13:47

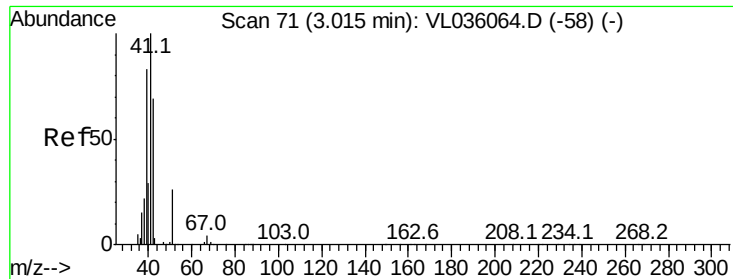
Tgt Ion: 85 Resp: 149565

Ion Ratio Lower Upper

85 100

135 75.0 53.8 80.8





#9

Propene

Concen: 1.344 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.00 min

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Instrument :

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ClientSampleId :

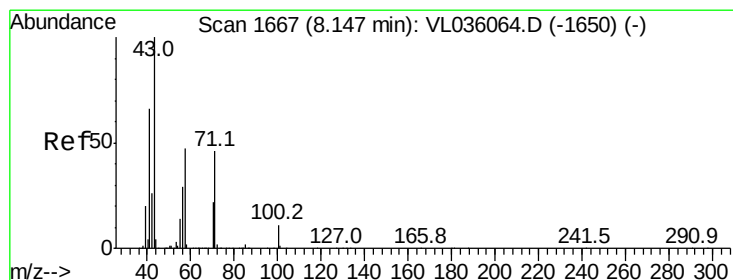
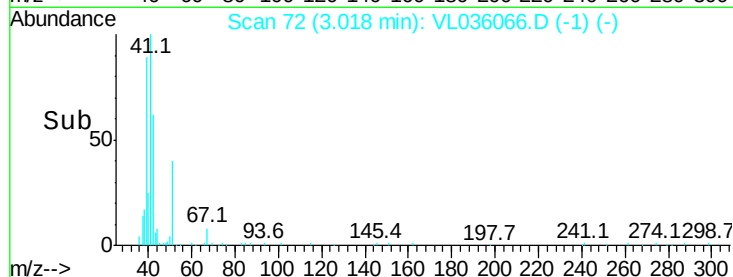
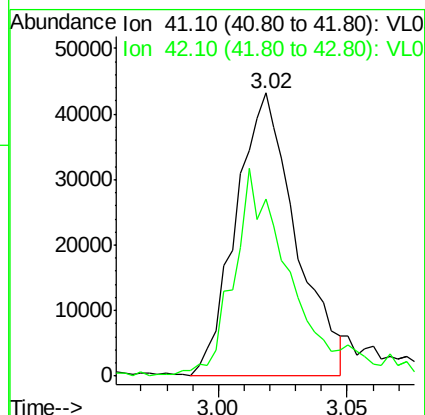
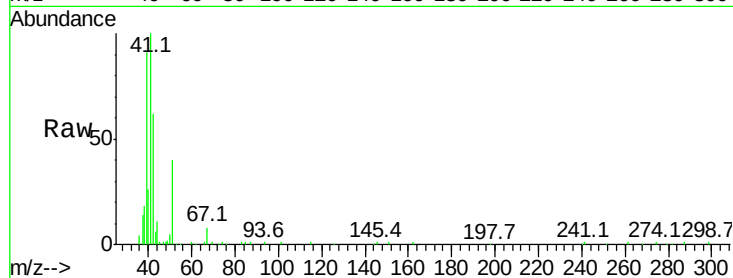
VSTDIC001

Tgt Ion: 41 Resp: 70224

Ion Ratio Lower Upper

41 100

42 74.0 57.0 85.6



#10

Heptane

Concen: 1.295 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. -0.01 min

Lab File: VL036066.D

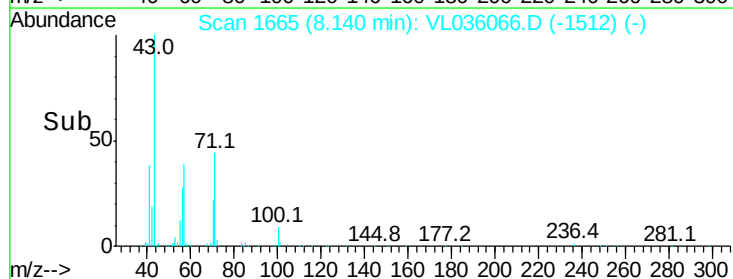
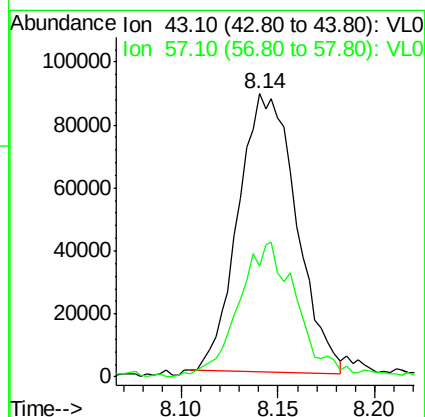
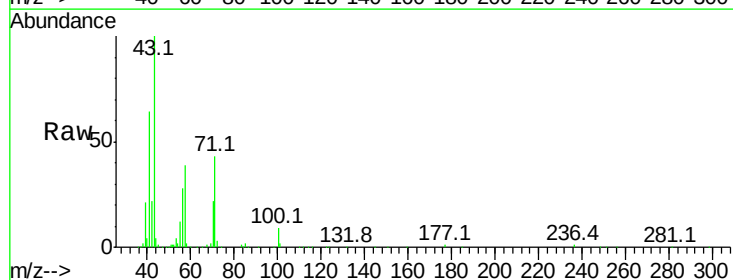
Acq: 7 Dec 2020 13:47

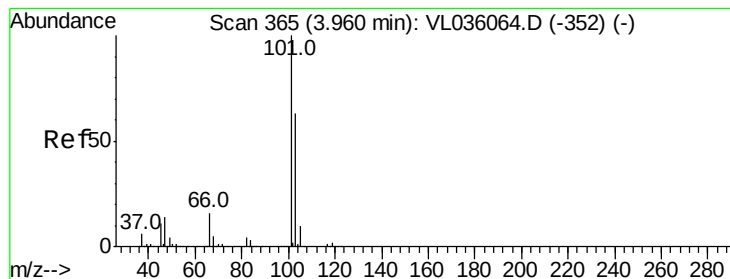
Tgt Ion: 43 Resp: 184642

Ion Ratio Lower Upper

43 100

57 48.7 37.9 56.9





#11

Trichlorofluoromethane

Concen: 0.578 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

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ClientSampleId :

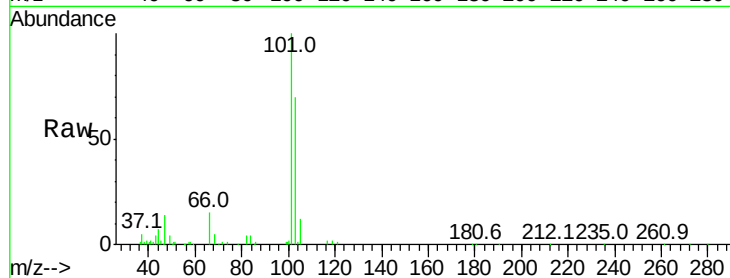
VSTDIC001

Tgt Ion:101 Resp: 172839

Ion Ratio Lower Upper

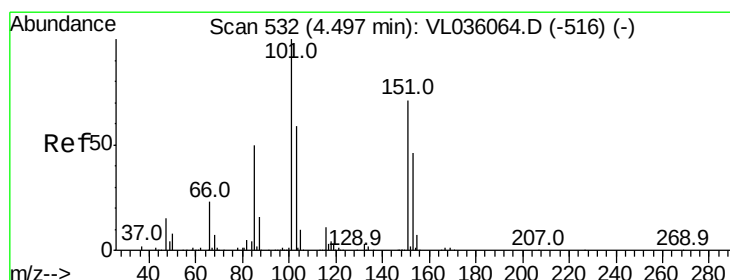
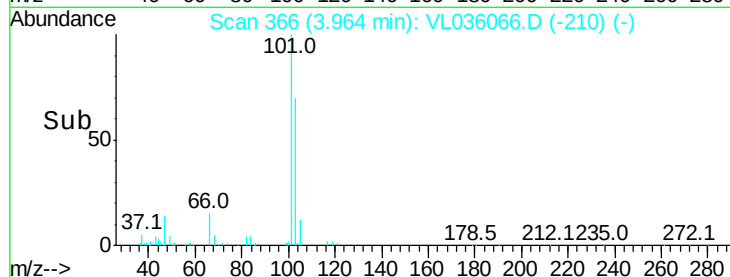
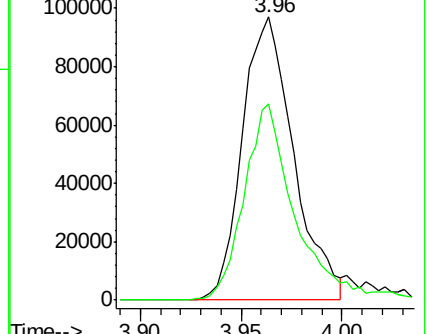
101 100

103 69.4 50.3 75.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.495 ppbv

RT: 4.50 min Scan# 533

Delta R.T. 0.00 min

Lab File: VL036066.D

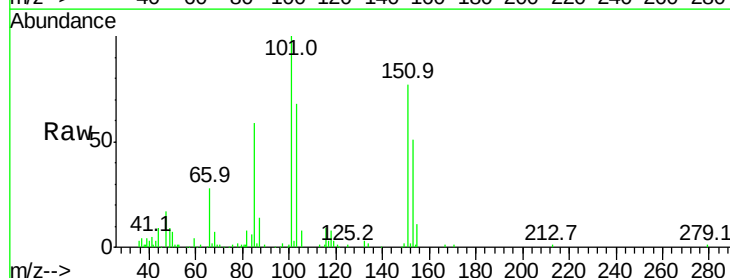
Acq: 7 Dec 2020 13:47

Tgt Ion:101 Resp: 111415

Ion Ratio Lower Upper

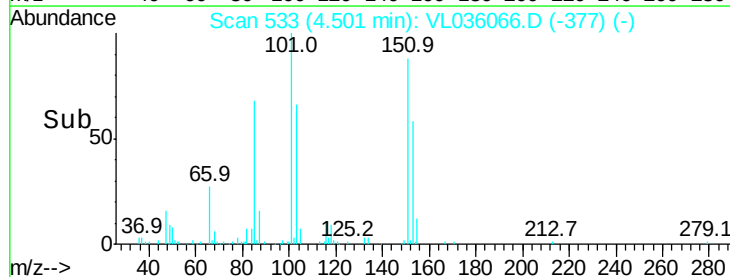
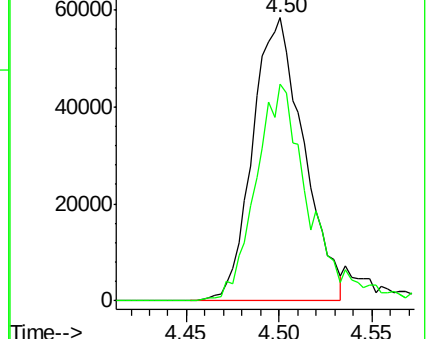
101 100

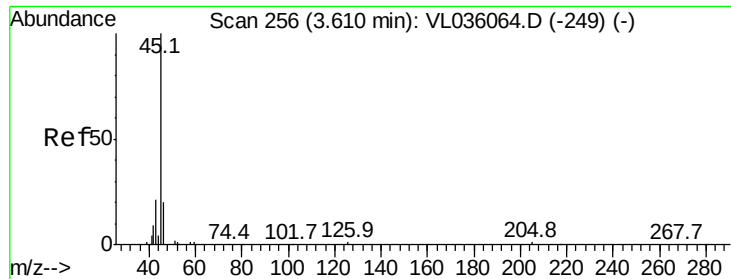
151 80.9 59.3 88.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.676 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.02 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

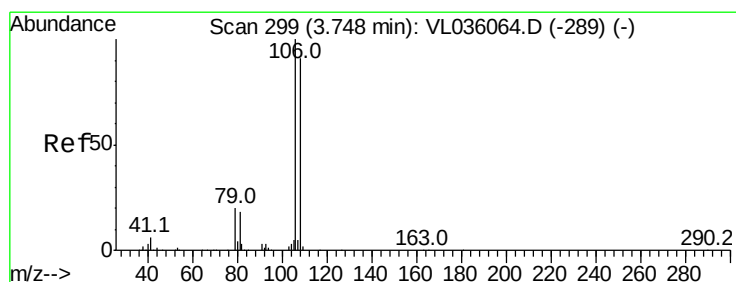
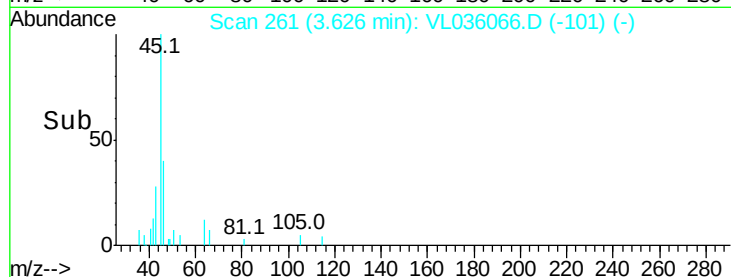
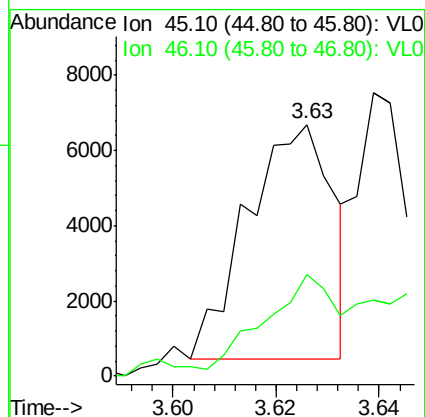
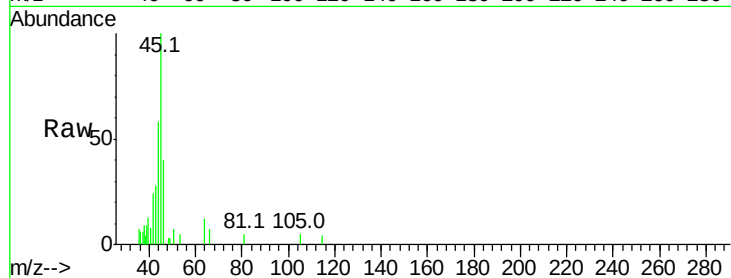
VSTDIC001

Tgt Ion: 45 Resp: 7147

Ion Ratio Lower Upper

45 100

46 89.5 19.0 75.8#



#14

Bromoethene

Concen: 0.513 ppbv

RT: 3.75 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

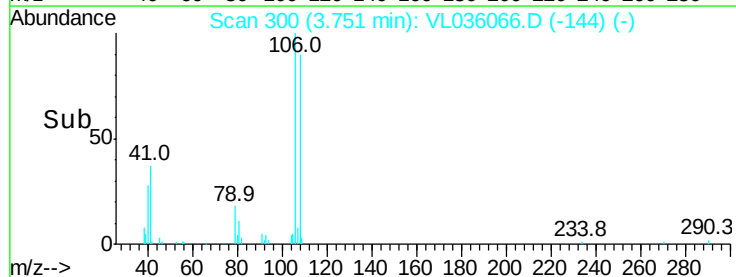
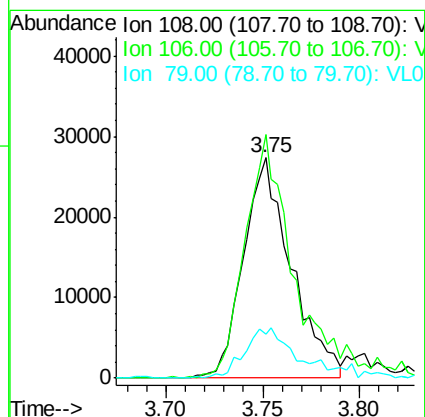
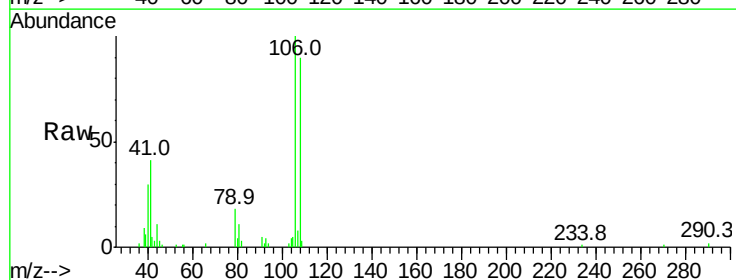
Tgt Ion: 108 Resp: 46823

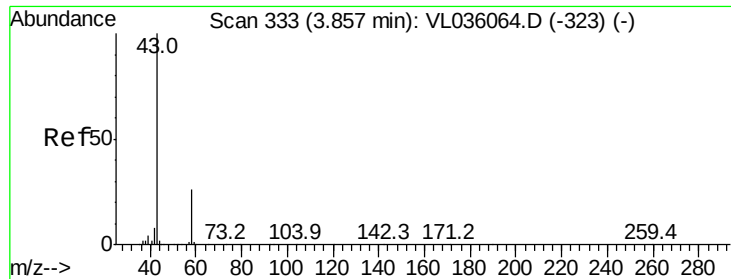
Ion Ratio Lower Upper

108 100

106 117.2 91.0 136.4

79 26.9 19.3 28.9

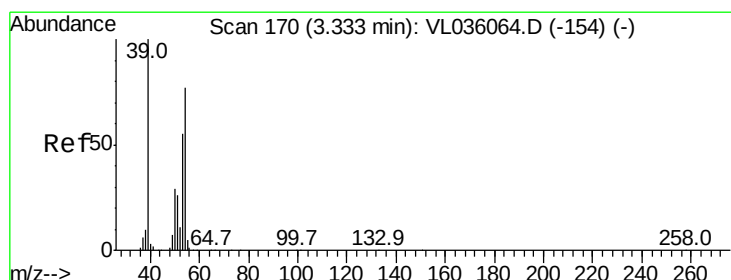
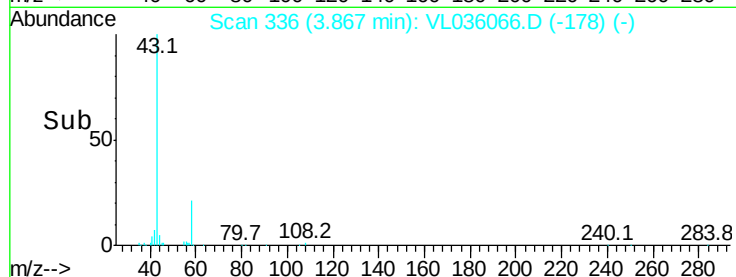
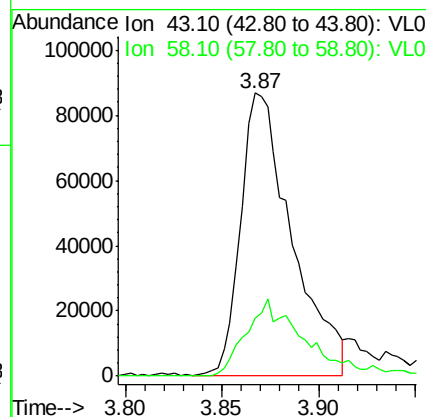
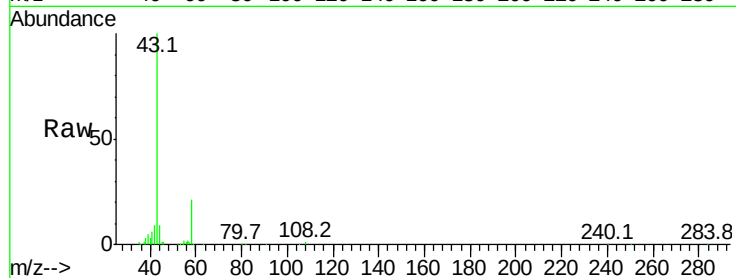




#15
Acetone
Concen: 1.209 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.01 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

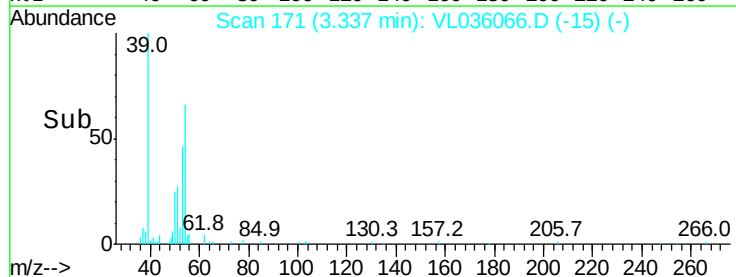
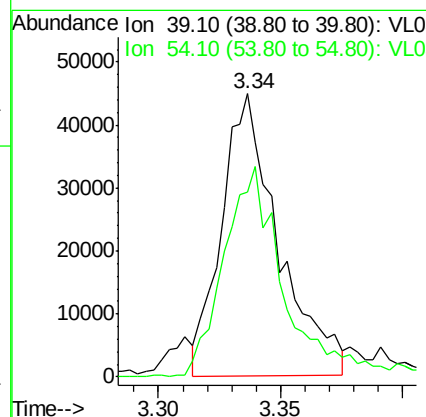
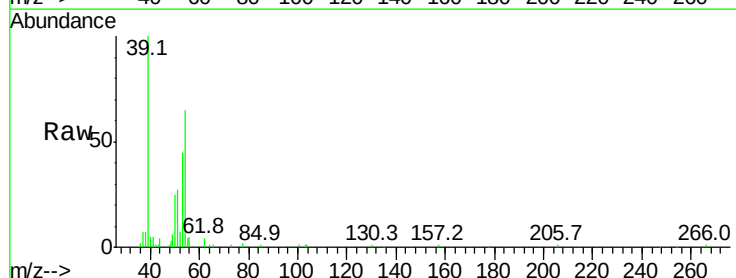
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

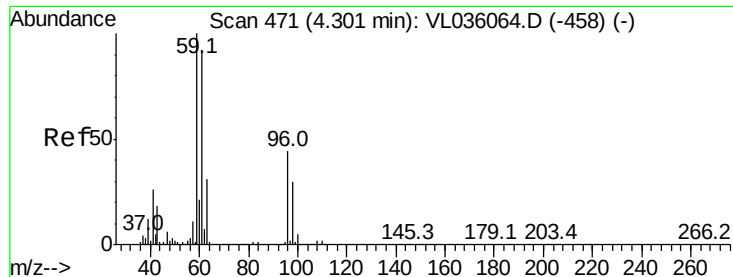
Tgt Ion: 43 Resp: 159325
Ion Ratio Lower Upper
43 100
58 33.0 20.9 31.3#



#16
1,3-Butadiene
Concen: 1.256 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Tgt Ion: 39 Resp: 72724
Ion Ratio Lower Upper
39 100
54 80.7 62.1 93.1





#17

tert-Butyl alcohol

Concen: 0.449 ppbv

RT: 4.31 min Scan# 474

Delta R.T. 0.01 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

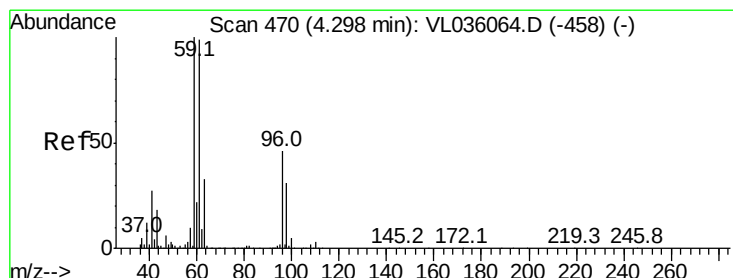
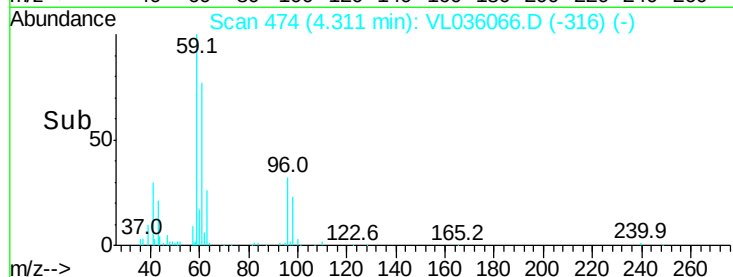
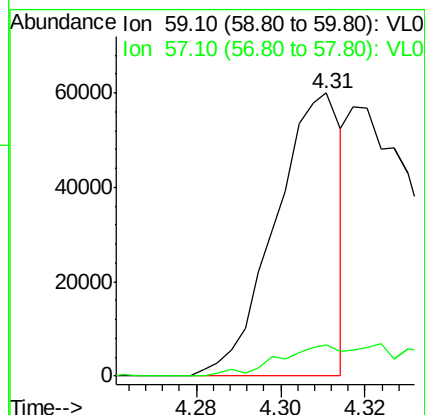
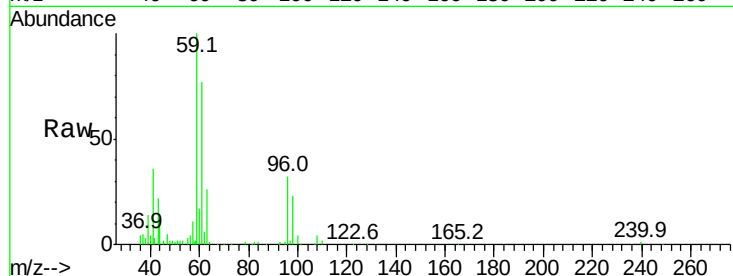
VSTDIC001

Tgt Ion: 59 Resp: 64801

Ion Ratio Lower Upper

59 100

57 0.0 8.7 13.1#



#18

1,1-Dichloroethene

Concen: 0.513 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

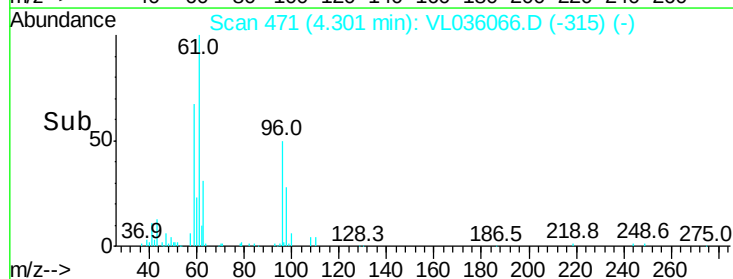
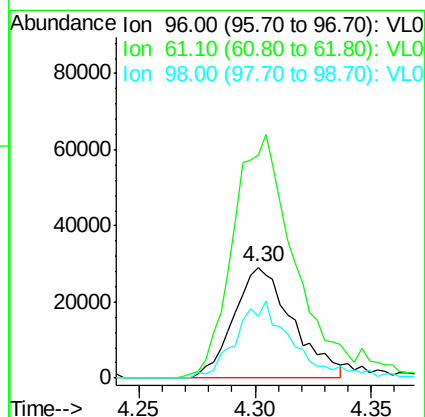
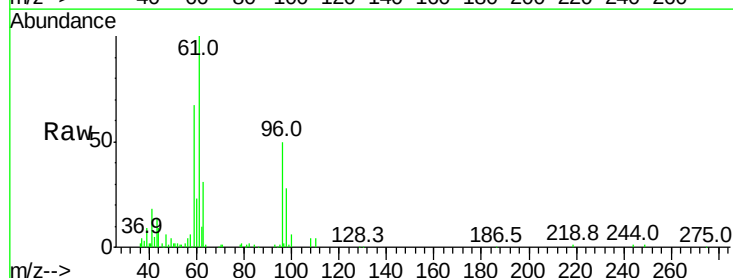
Tgt Ion: 96 Resp: 51215

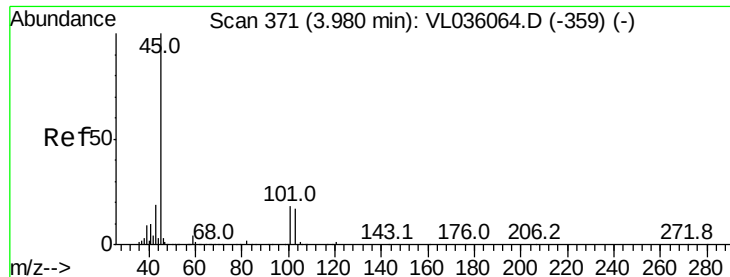
Ion Ratio Lower Upper

96 100

61 197.7 171.4 257.2

98 55.5 54.2 81.2





#19

Isopropyl Alcohol

Concen: 0.492 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

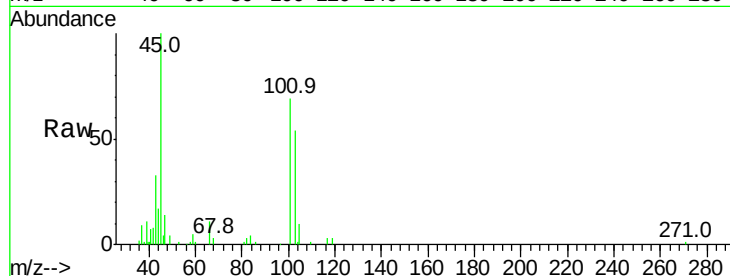
VSTDIC001

Tgt Ion: 45 Resp: 34789

Ion Ratio Lower Upper

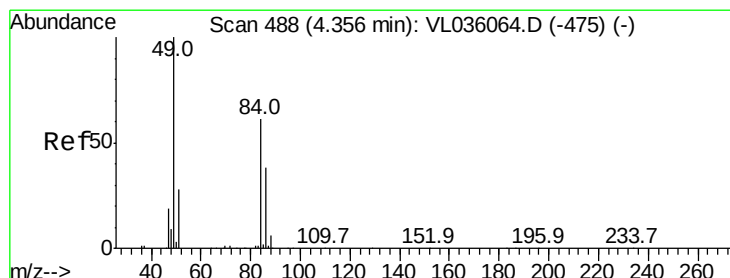
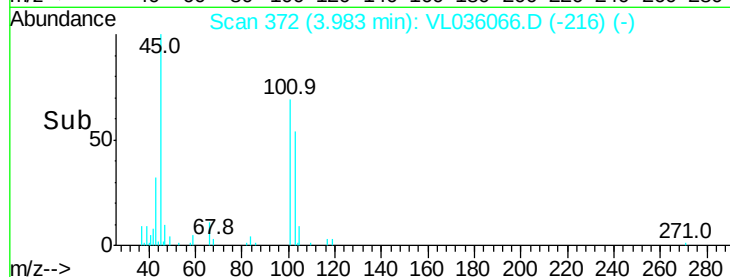
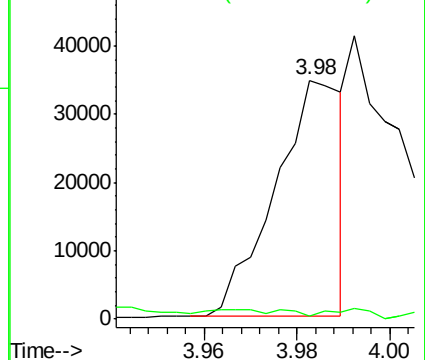
45 100

58 0.0 0.0 0.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.414 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Tgt Ion: 84 Resp: 47215

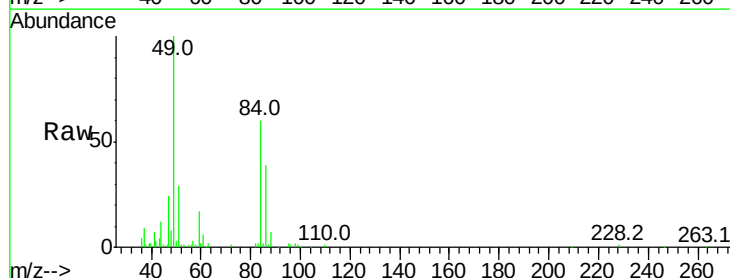
Ion Ratio Lower Upper

84 100

49 163.5 133.0 199.4

51 47.9 38.9 58.3

86 62.2 48.8 73.2

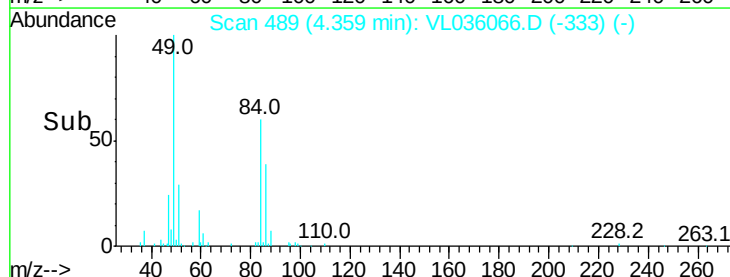
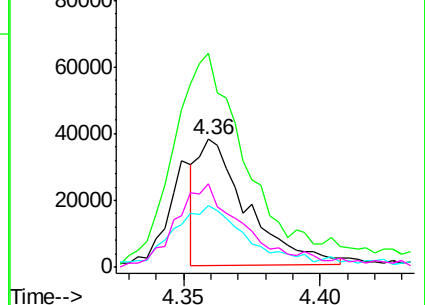


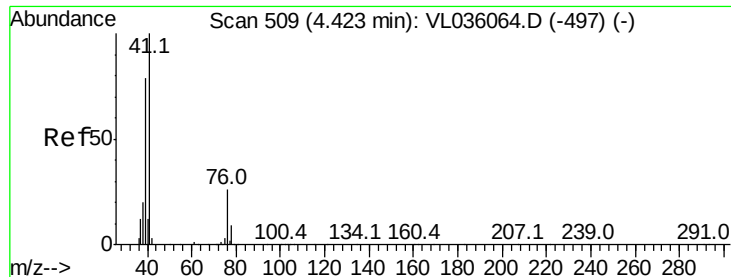
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allyl Chloride

Concen: 0.682 ppbv

RT: 4.42 min Scan# 509

Delta R.T. -0.00 min

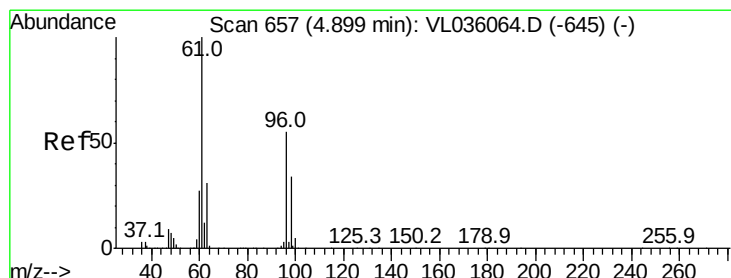
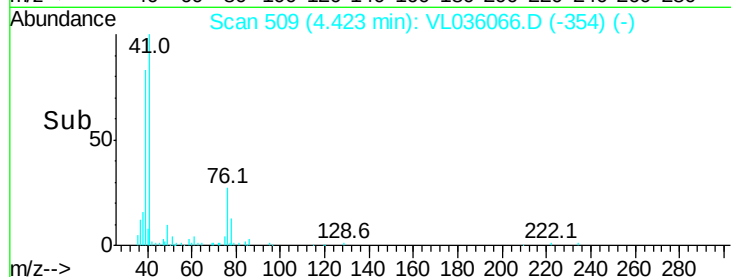
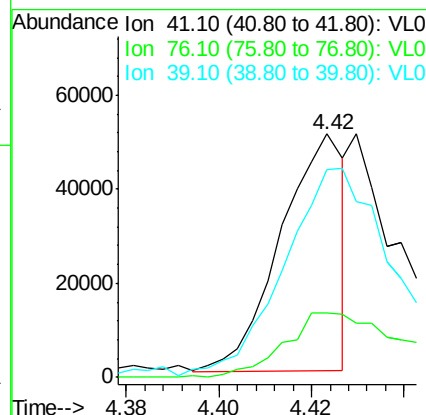
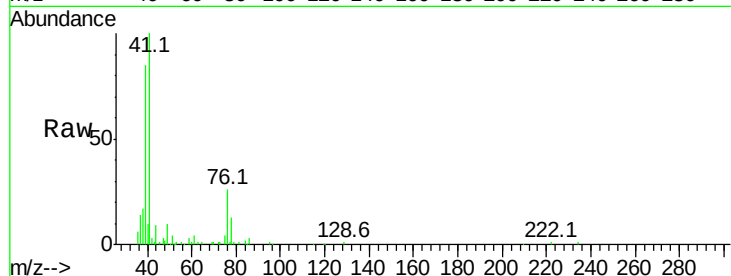
Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 41 Resp: 47917

Ion	Ratio	Lower	Upper
41	100		
76	54.8	21.0	31.4#
39	0.0	66.0	99.0#



#22

trans-1,2-Dichloroethene

Concen: 0.455 ppbv

RT: 4.90 min Scan# 657

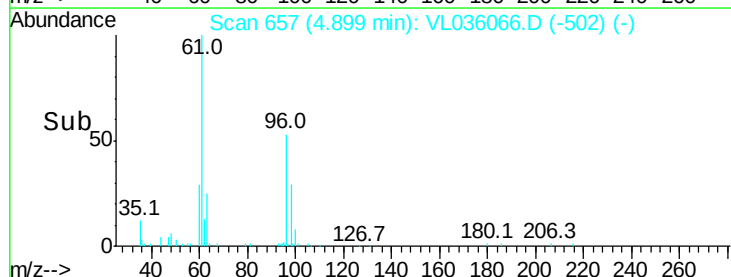
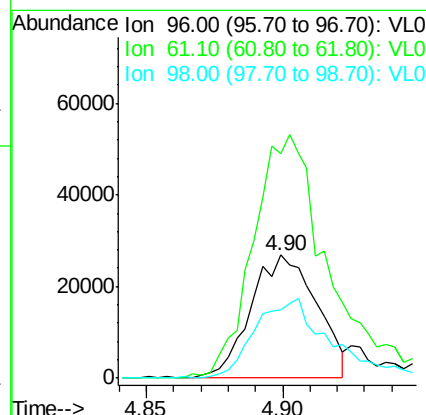
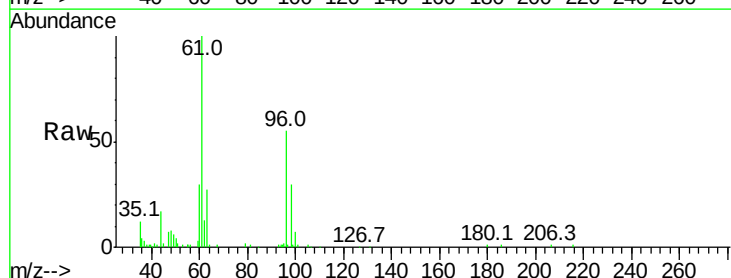
Delta R.T. -0.00 min

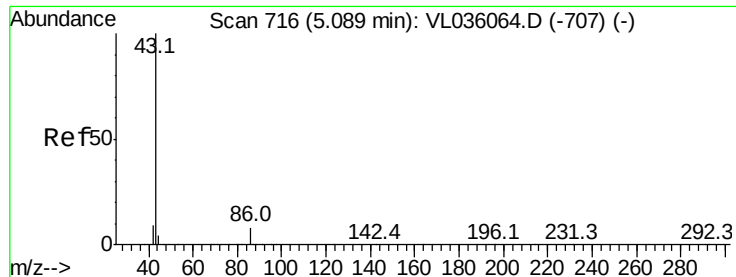
Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Tgt Ion: 96 Resp: 45148

Ion	Ratio	Lower	Upper
96	100		
61	179.2	145.7	218.5
98	55.2	49.2	73.8





#23

Vinyl Acetate

Concen: 1.225 ppbv

RT: 5.09 min Scan# 716

Delta R.T. -0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 190691

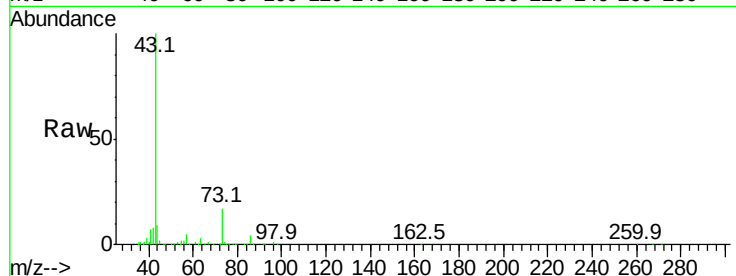
Ion Ratio Lower Upper

43 100

86 3.7 5.0 7.4#

42 7.5 7.8 11.6#

44 6.4 3.2 4.8#



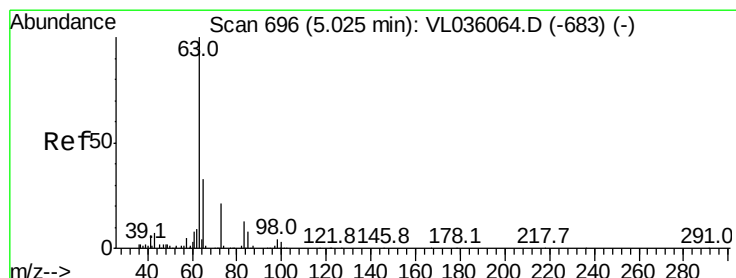
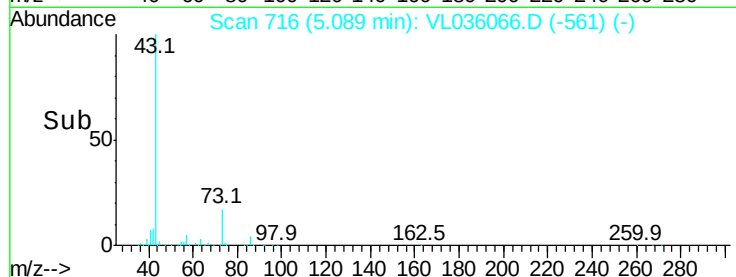
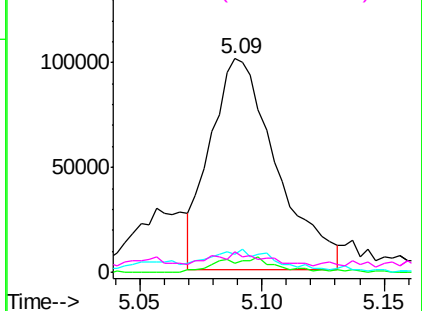
Abundance

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: 0.796 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

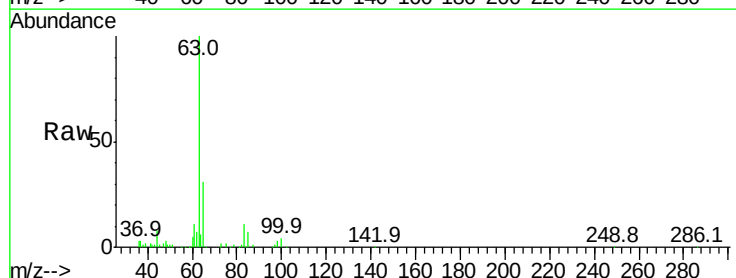
Tgt Ion: 63 Resp: 141557

Ion Ratio Lower Upper

63 100

98 2.0 2.2 6.6#

100 3.9 1.5 4.4

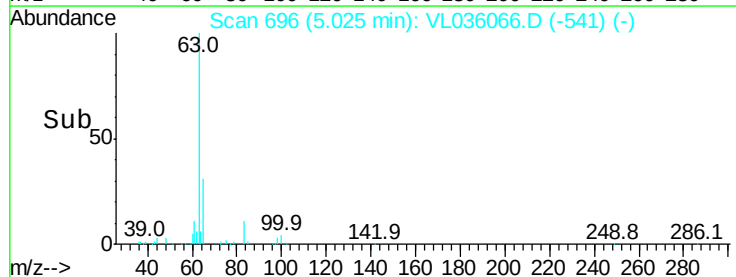
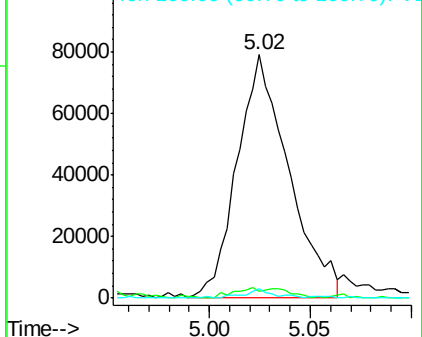


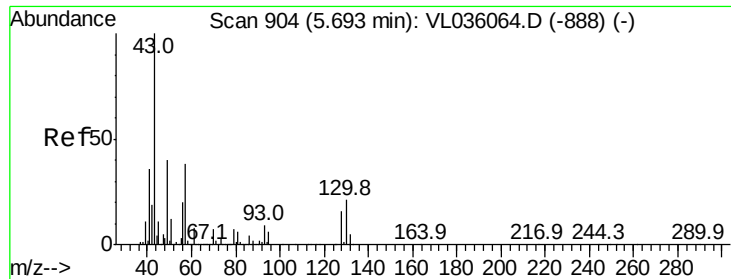
Abundance

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

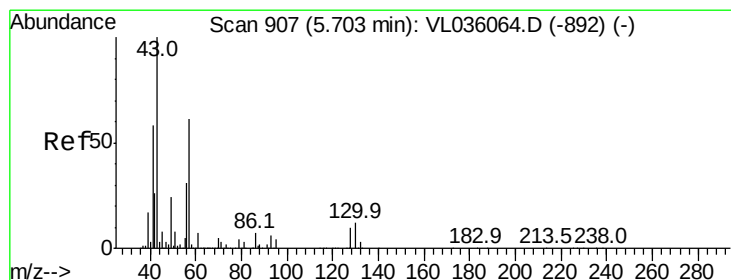
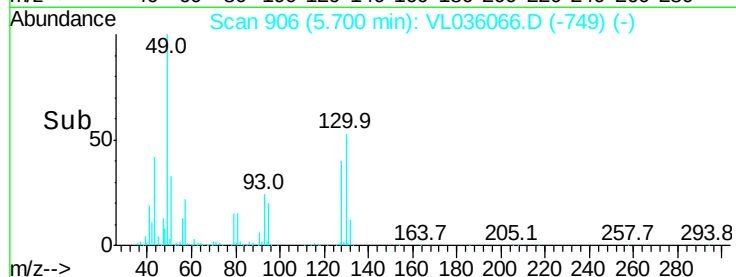
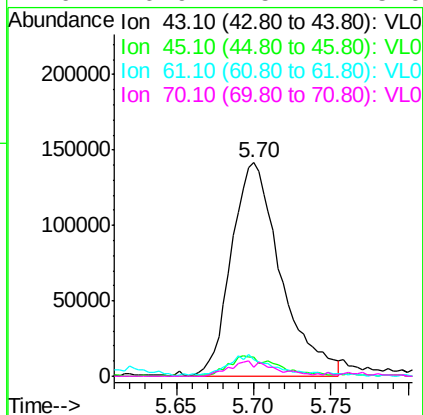
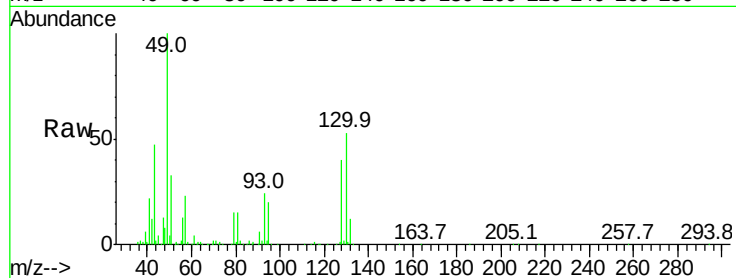




#25
Ethyl Acetate
Concen: 1.180 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

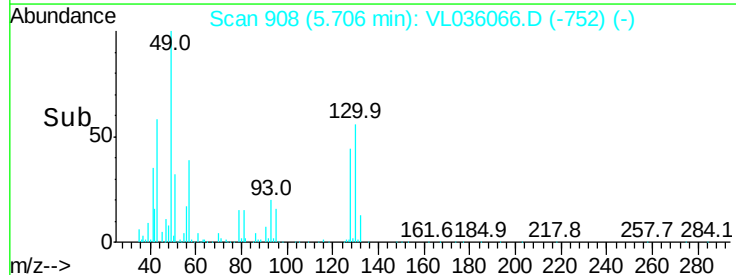
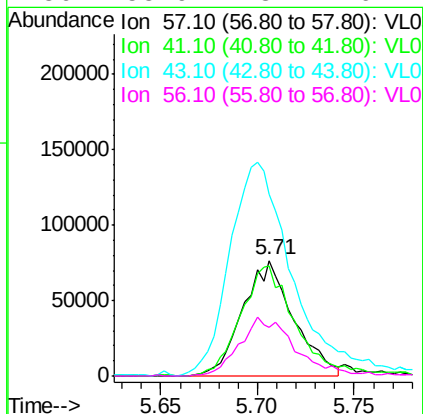
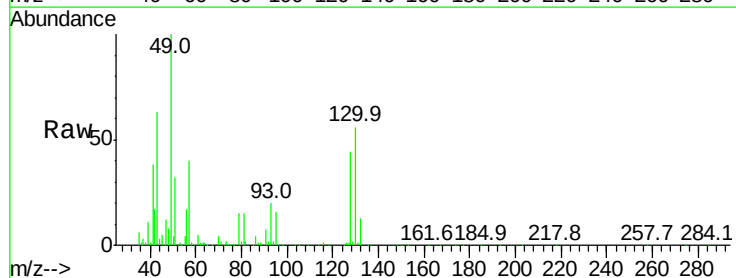
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

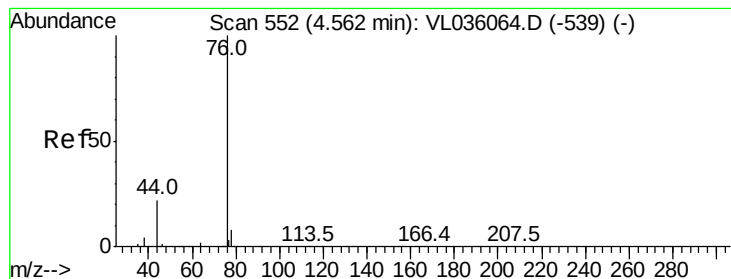
Tgt Ion:	43	Resp:	312729
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.2	12.4
61	9.5	7.4	11.2
70	6.9	5.4	8.0



#26
Hexane
Concen: 0.995 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Tgt Ion:	57	Resp:	140063
Ion	Ratio	Lower	Upper
57	100		
41	105.7	82.9	124.3
43	238.5	199.9	299.9
56	55.9	43.1	64.7





#27

Carbon Disulfide

Concen: 0.651 ppbv

RT: 4.57 min Scan# 554

Delta R.T. 0.01 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

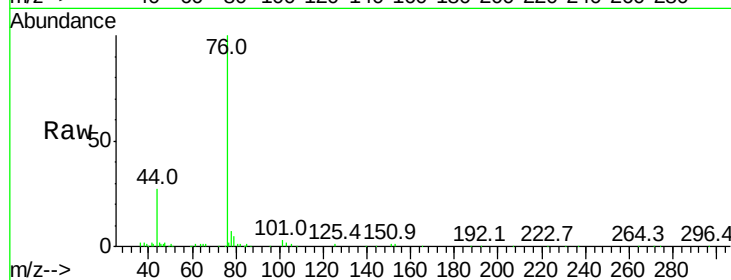
Tgt Ion: 76 Resp: 133456

Ion Ratio Lower Upper

76 100

44 24.4 17.9 26.9

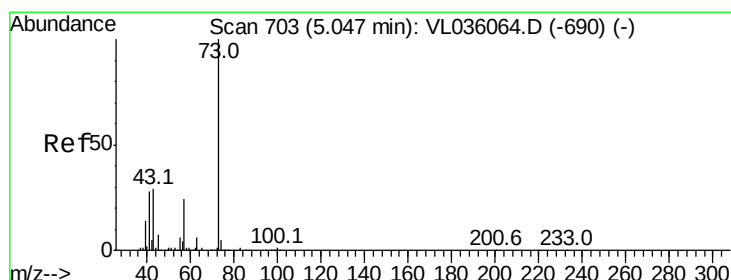
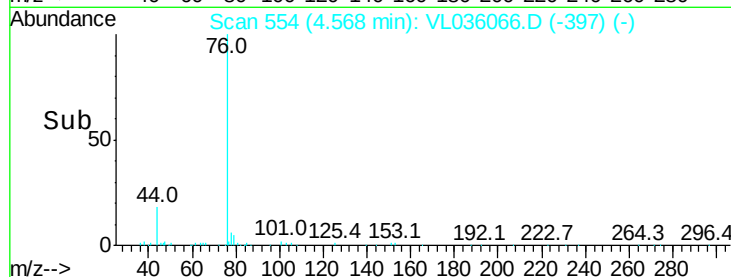
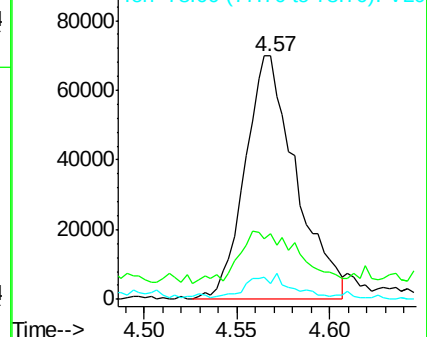
78 11.1 7.8 11.8



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: 0.931 ppbv

RT: 5.06 min Scan# 706

Delta R.T. 0.01 min

Lab File: VL036066.D

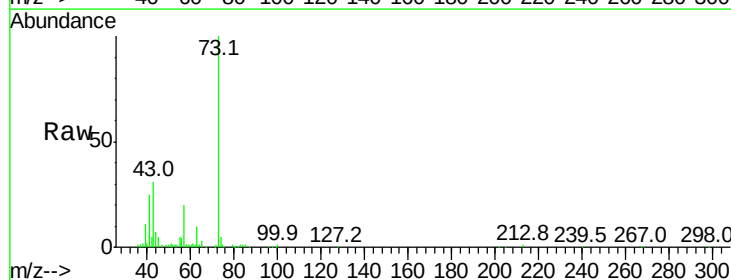
Acq: 7 Dec 2020 13:47

Tgt Ion: 73 Resp: 195191

Ion Ratio Lower Upper

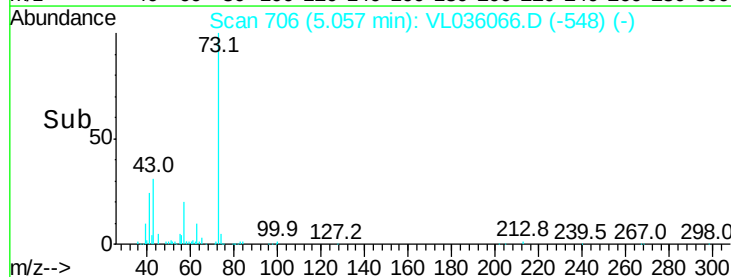
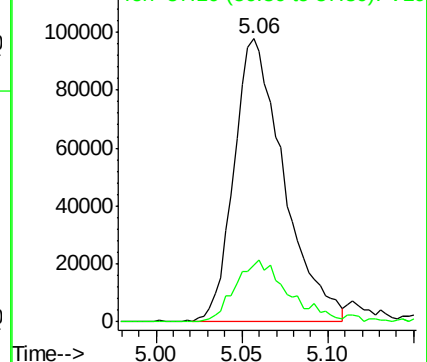
73 100

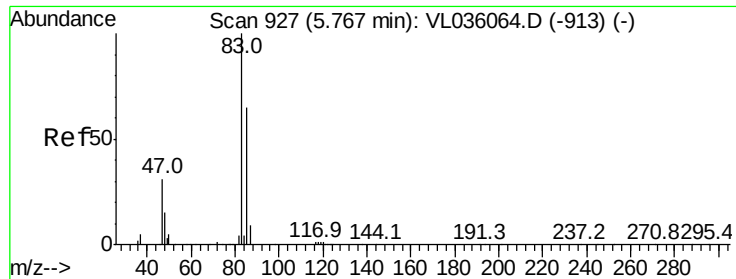
57 24.7 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

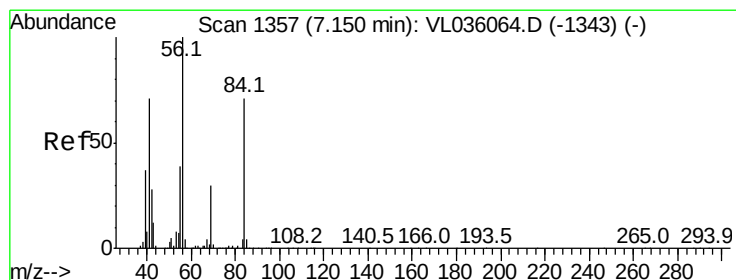
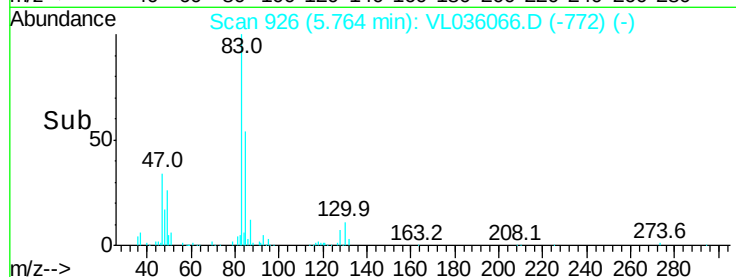
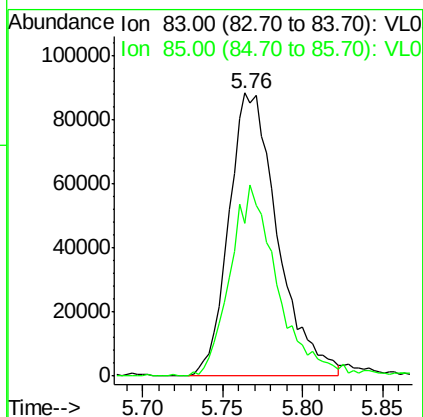
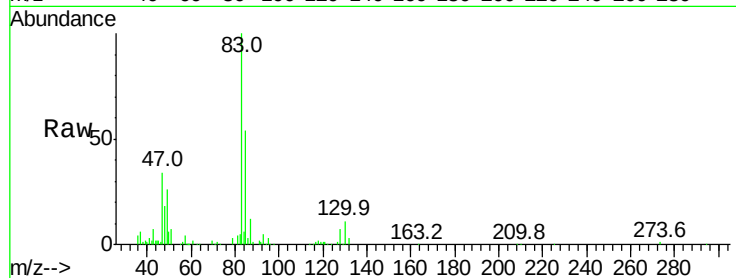




#29
Chloroform
Concen: 0.688 ppbv
RT: 5.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

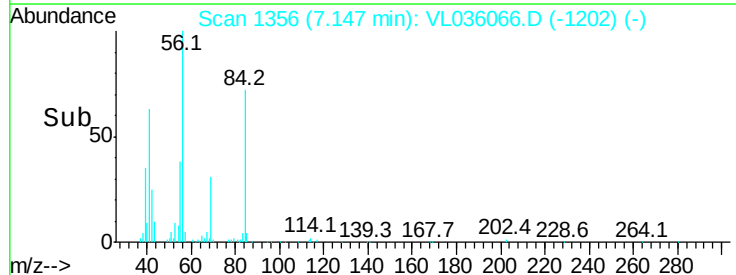
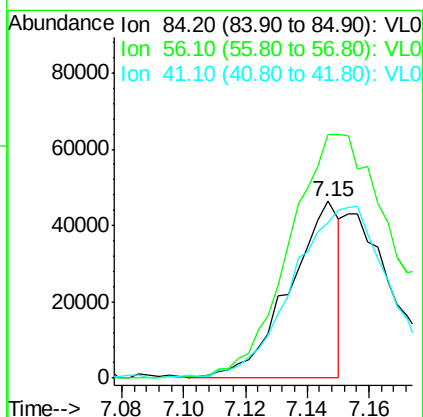
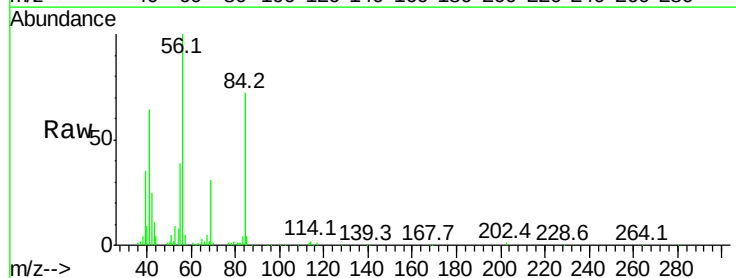
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

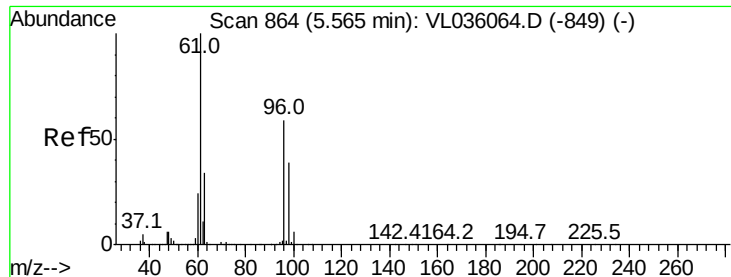
Tgt Ion: 83 Resp: 182937
Ion Ratio Lower Upper
83 100
85 53.7 51.8 77.6



#30
Cyclohexane
Concen: 0.392 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Tgt Ion: 84 Resp: 52029
Ion Ratio Lower Upper
84 100
56 272.0 128.0 192.0#
41 0.0 81.3 121.9#



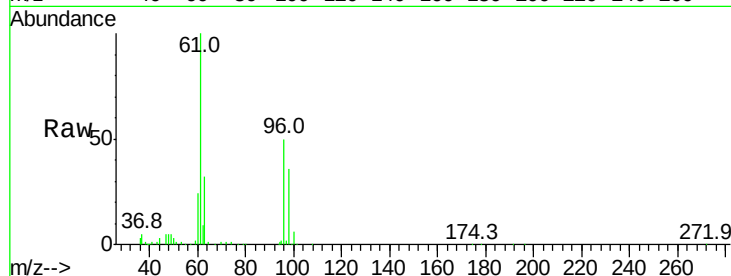


#31

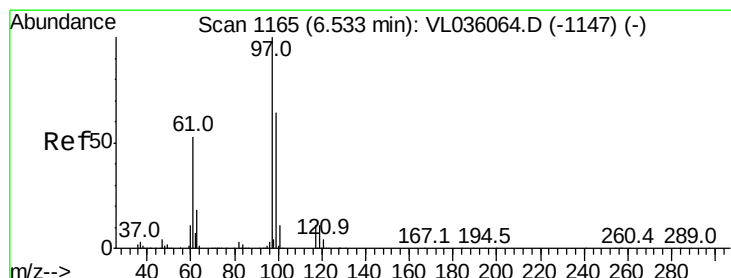
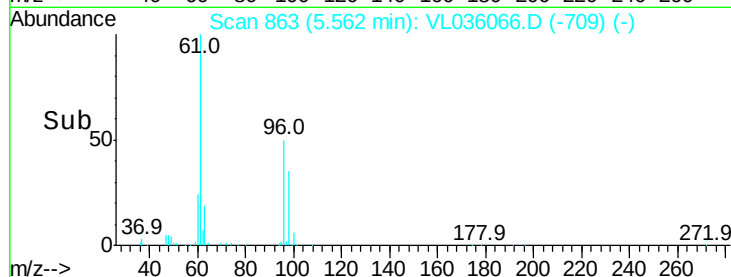
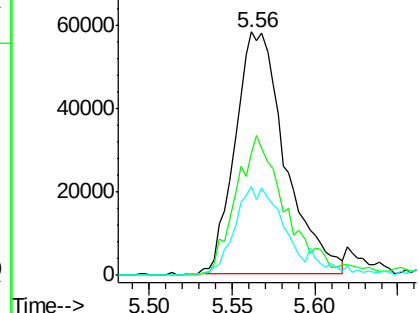
cis-1,2-Dichloroethene
 Concen: 0.950 ppbv
 RT: 5.56 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion	Ratio	Lower	Upper
61	100		
96	50.4	47.3	70.9
98	35.7	31.4	47.0



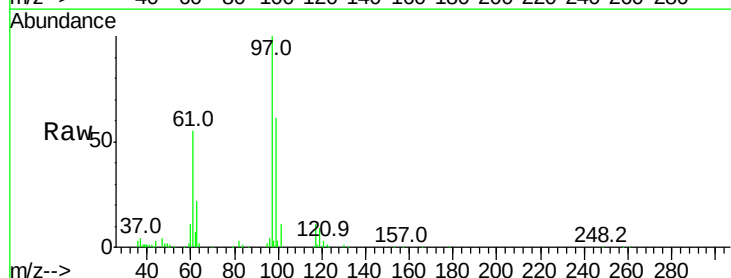
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



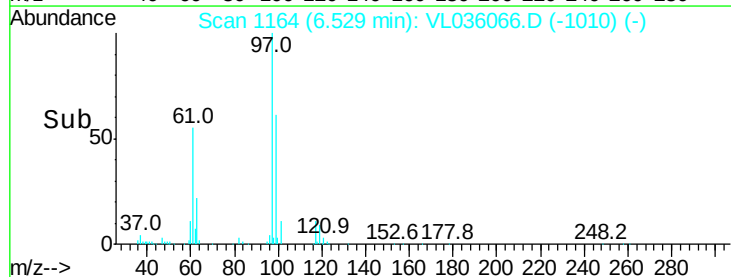
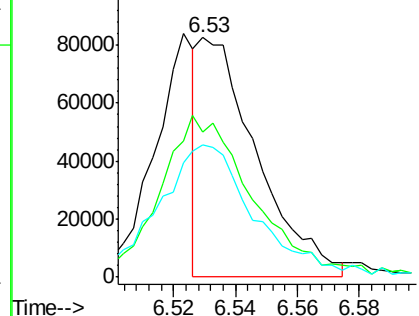
#32

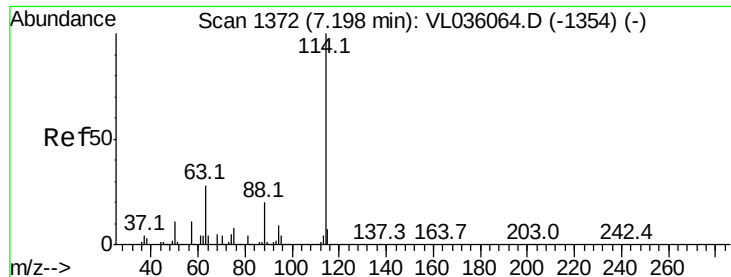
1,1,1-Trichloroethane
 Concen: 0.440 ppbv
 RT: 6.53 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.4	78.6#
61	95.8	43.4	65.0#



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1371

Delta R.T. -0.00 min

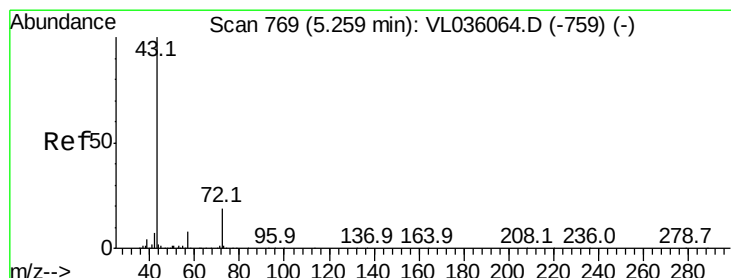
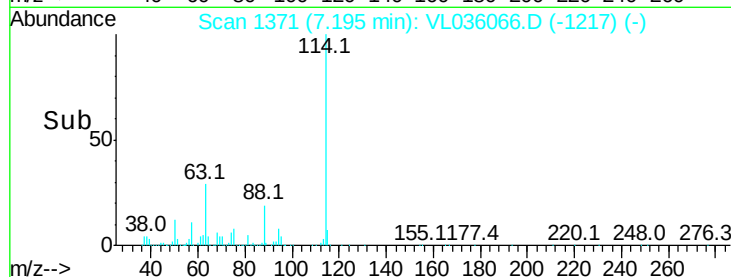
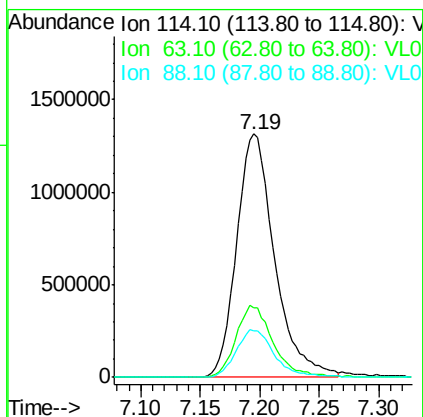
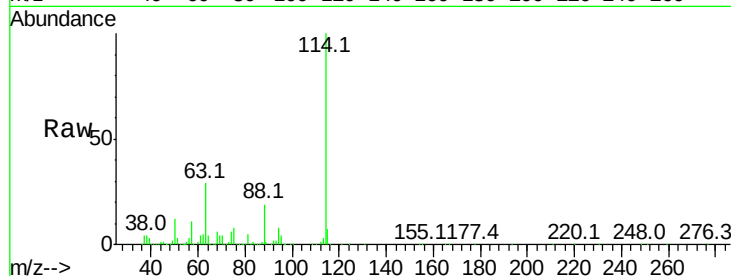
Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion:114 Resp: 2915188

Ion	Ratio	Lower	Upper
114	100		
63	29.3	23.6	35.4
88	19.8	15.8	23.6



#34

2-Butanone

Concen: 0.905 ppbv

RT: 5.26 min Scan# 770

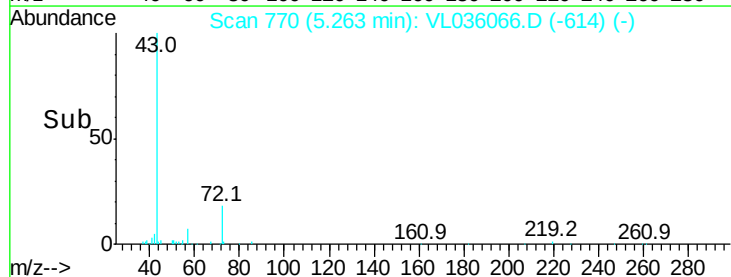
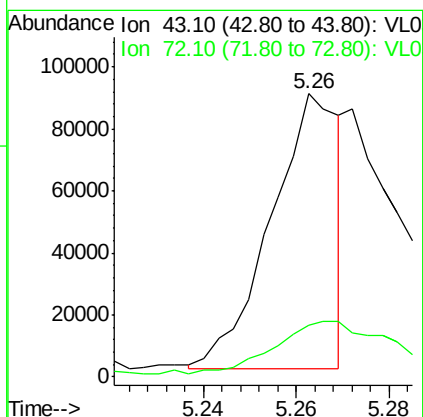
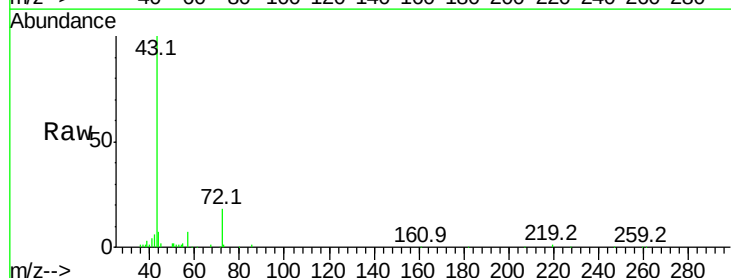
Delta R.T. 0.00 min

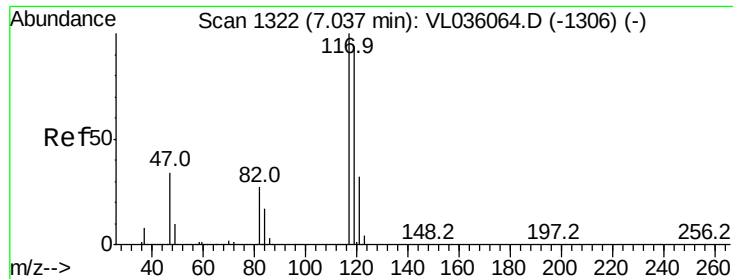
Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Tgt Ion: 43 Resp: 90452

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.5	24.7#





#35

Carbon Tetrachloride

Concen: 0.572 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

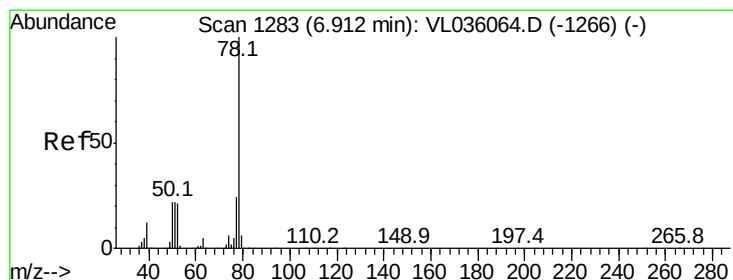
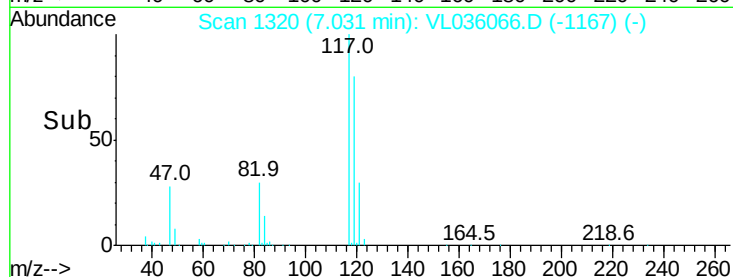
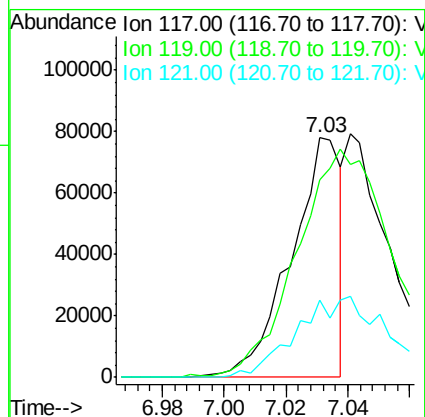
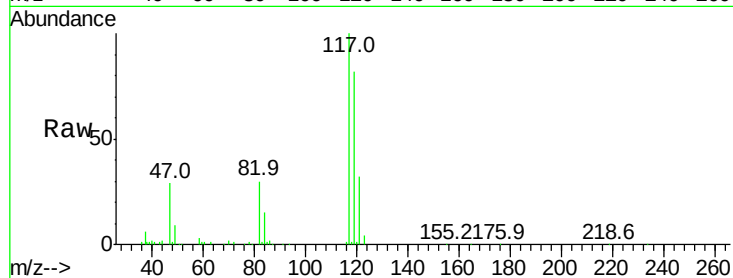
Tgt Ion:117 Resp: 87155

Ion Ratio Lower Upper

117 100

119 81.3 75.1 112.7

121 32.1 25.6 38.4



#36

Benzene

Concen: 0.591 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

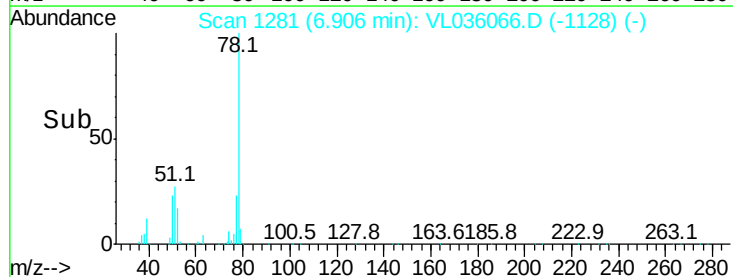
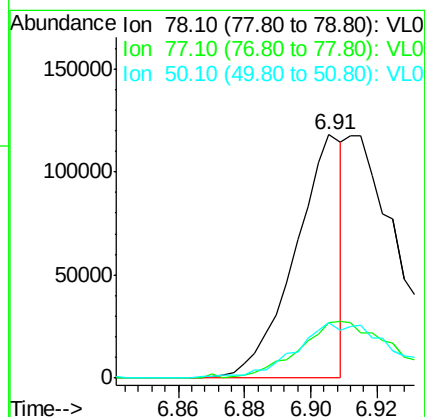
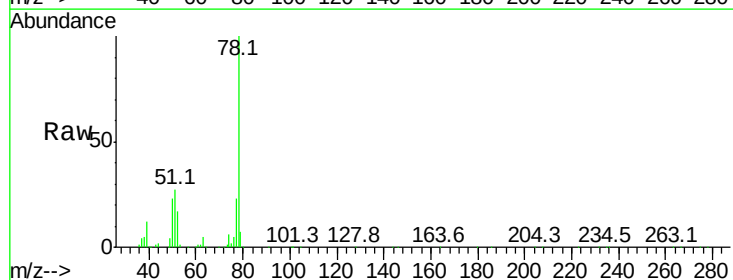
Tgt Ion: 78 Resp: 117844

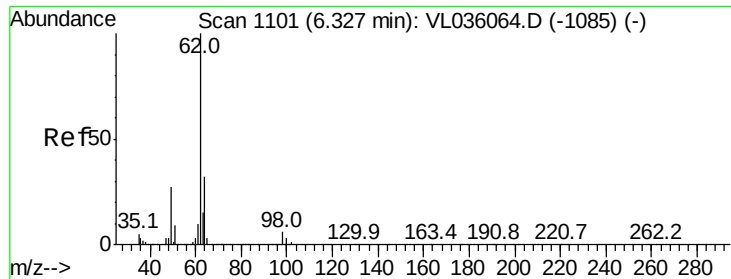
Ion Ratio Lower Upper

78 100

77 23.0 19.4 29.2

50 22.6 17.8 26.8





#37

1,2-Dichloroethane

Concen: 1.445 ppbv

RT: 6.32 min Scan# 1100

Delta R.T. -0.00 min

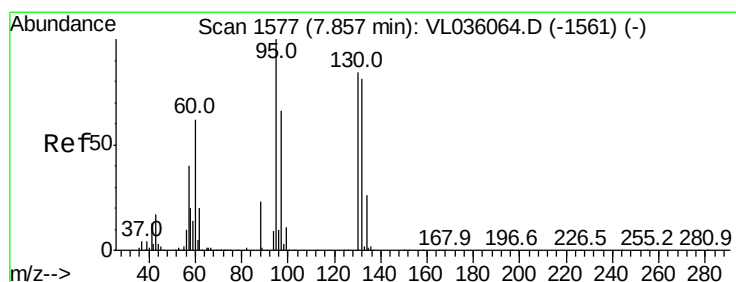
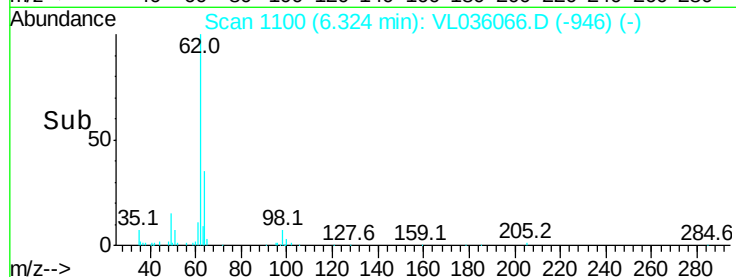
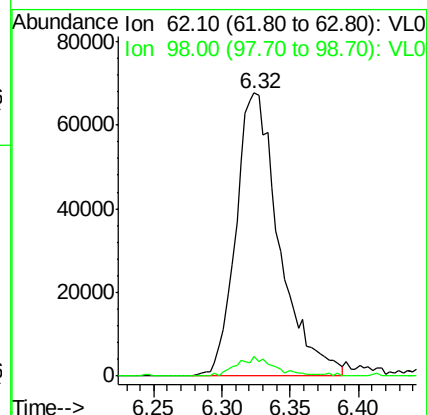
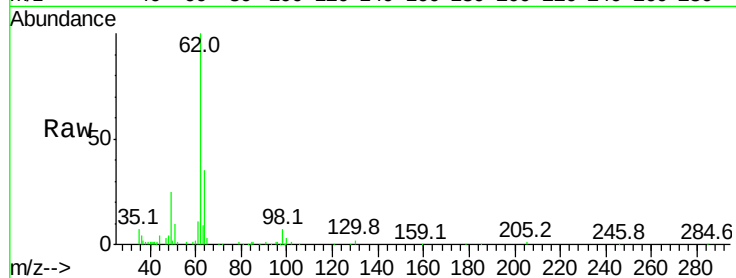
Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion: 62 Resp: 149478

Ion	Ratio	Lower	Upper
62	100		
98	6.2	4.6	7.0



#38

Trichloroethene

Concen: 1.010 ppbv

RT: 7.86 min Scan# 1578

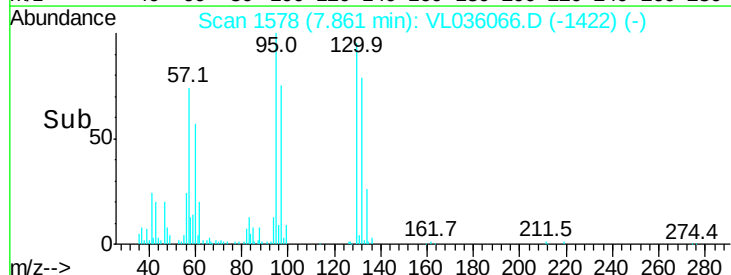
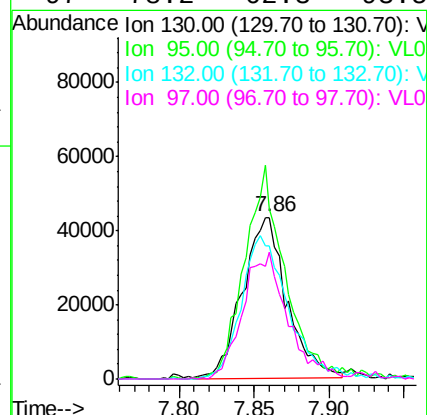
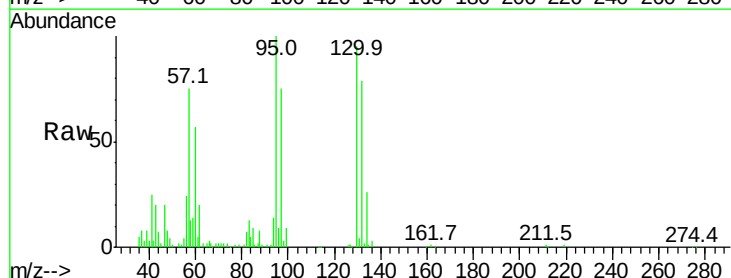
Delta R.T. 0.00 min

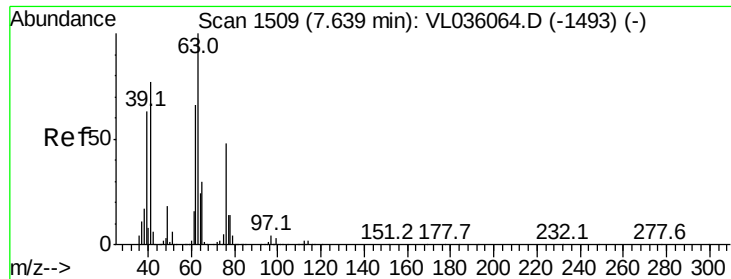
Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Tgt Ion: 130 Resp: 90134

Ion	Ratio	Lower	Upper
130	100		
95	104.8	95.2	142.8
132	83.1	76.9	115.3
97	78.2	62.3	93.5





#39

1,2-Dichloropropane

Concen: 1.296 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. -0.01 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

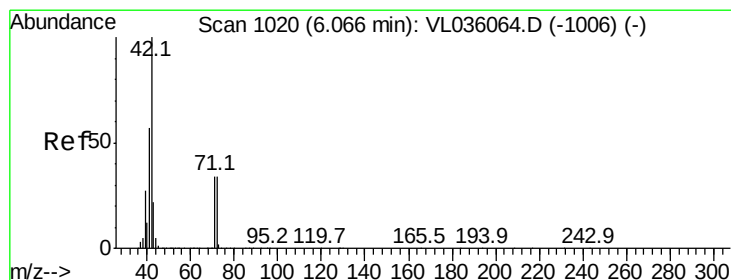
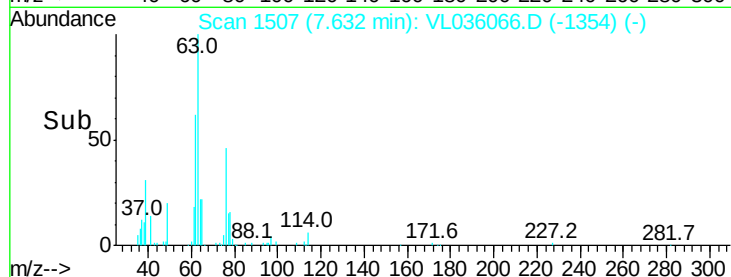
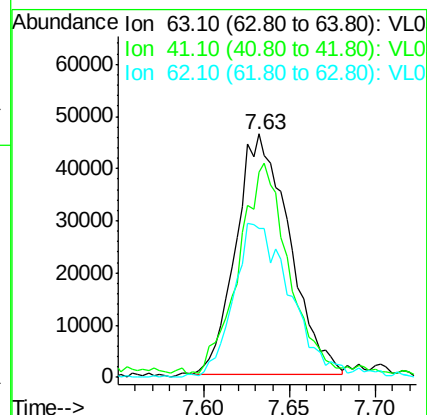
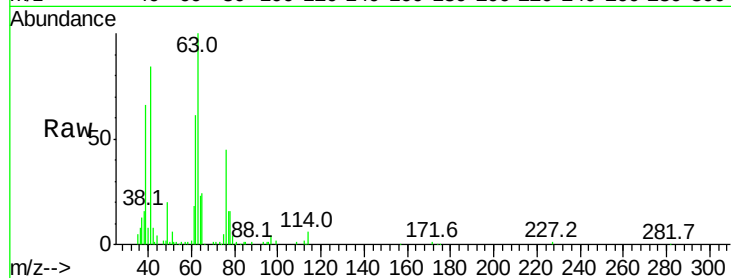
Tgt Ion: 63 Resp: 98983

Ion Ratio Lower Upper

63 100

41 83.9 61.9 92.9

62 61.3 52.5 78.7



#41

Tetrahydrofuran

Concen: 1.150 ppbv

RT: 6.08 min Scan# 1025

Delta R.T. 0.02 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

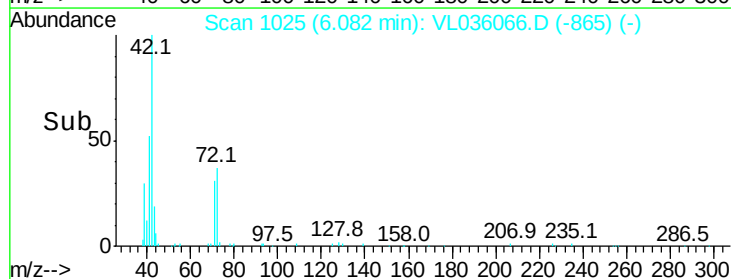
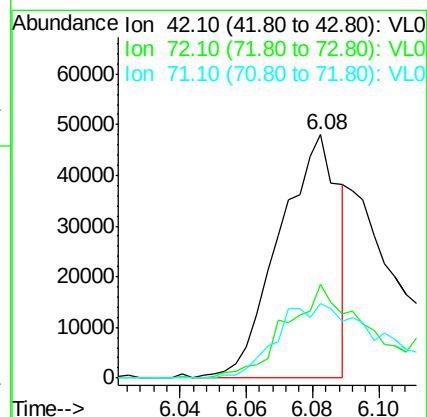
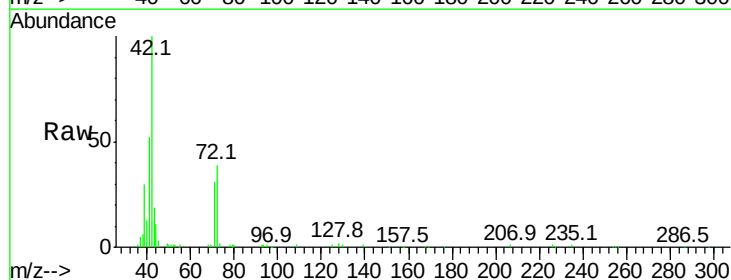
Tgt Ion: 42 Resp: 59990

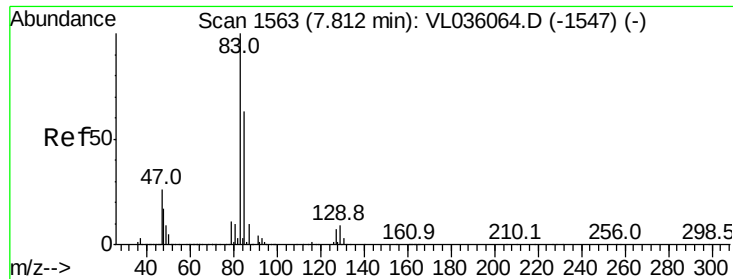
Ion Ratio Lower Upper

42 100

72 67.1 28.3 42.5#

71 60.8 27.3 40.9#





#42

Bromodichloromethane

Concen: 1.149 ppbv

RT: 7.81 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

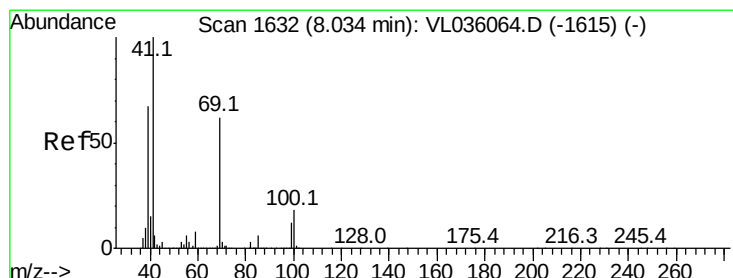
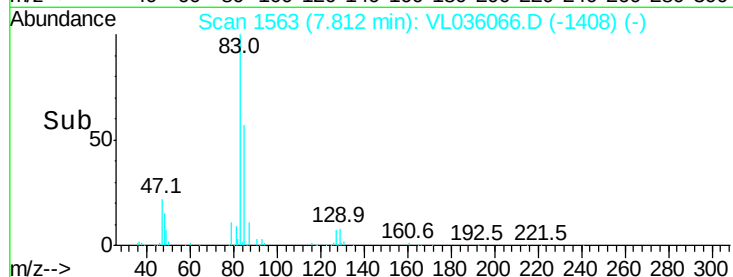
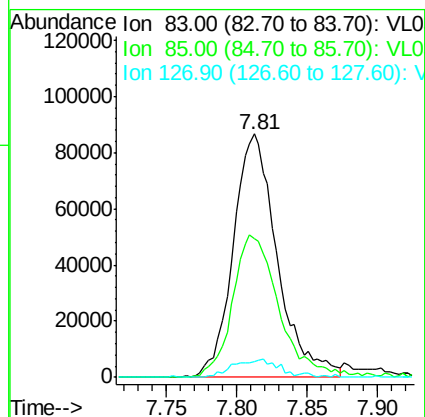
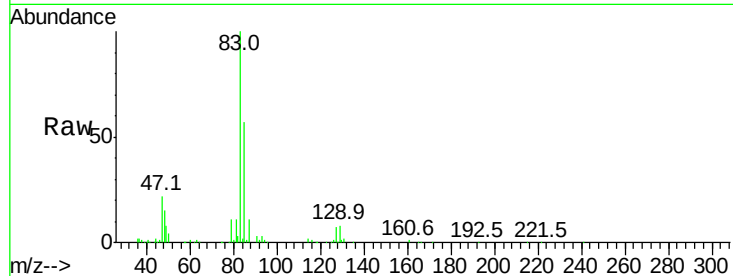
Tgt Ion: 83 Resp: 187932

Ion Ratio Lower Upper

83 100

85 57.1 50.2 75.2

127 6.7 5.5 8.3



#43

Methyl Methacrylate

Concen: 1.517 ppbv

RT: 8.04 min Scan# 1634

Delta R.T. 0.01 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

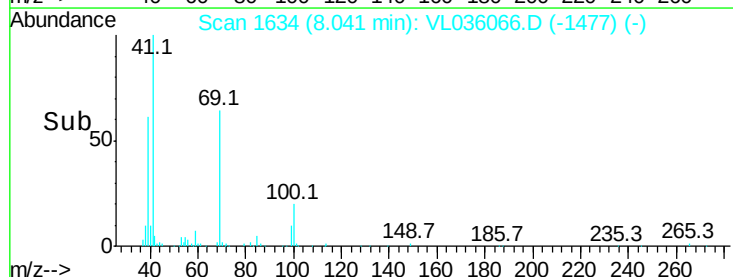
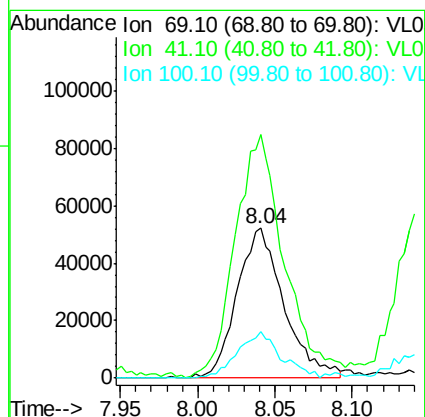
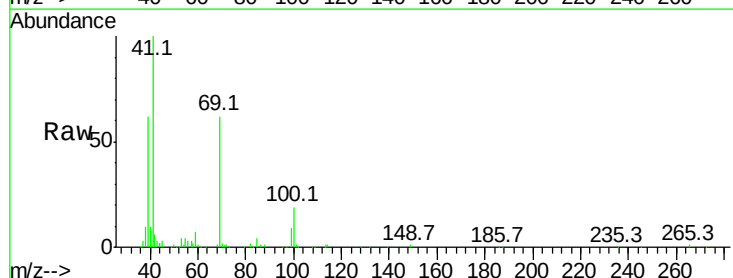
Tgt Ion: 69 Resp: 110200

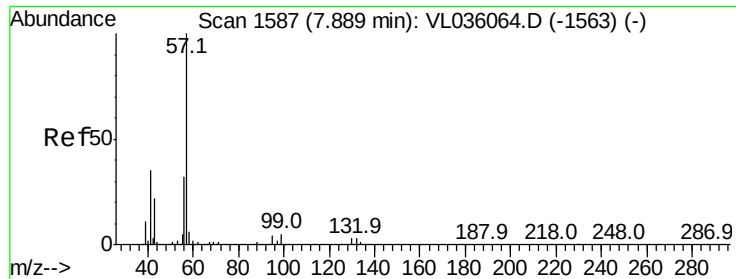
Ion Ratio Lower Upper

69 100

41 172.0 133.0 199.6

100 28.6 25.4 38.0





#44

2,2,4-Trimethylpentane

Concen: 1.598 ppbv

RT: 7.89 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

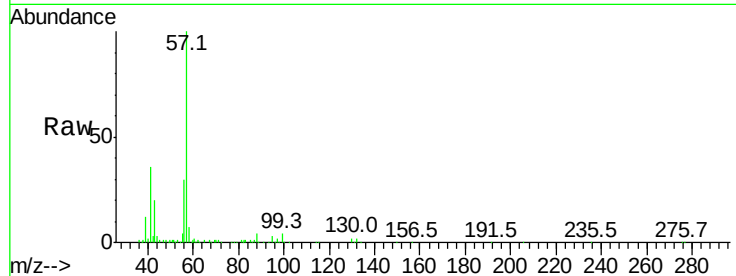
Tgt Ion: 57 Resp: 472239

Ion Ratio Lower Upper

57 100

41 35.5 28.9 43.3

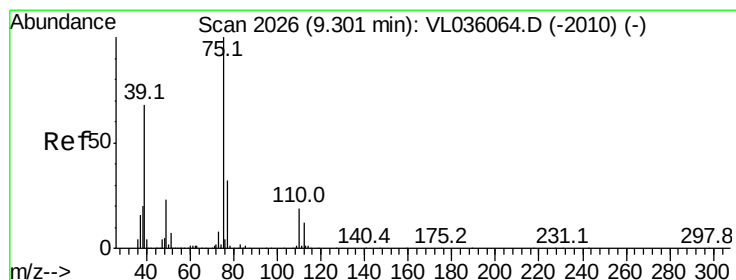
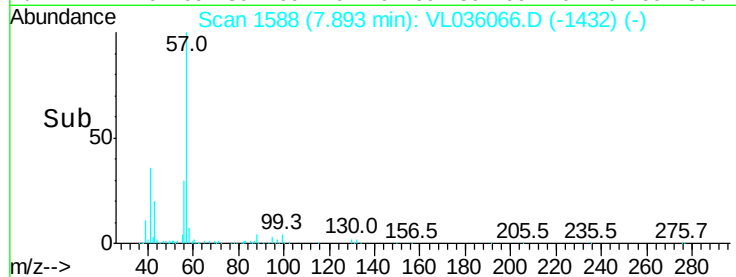
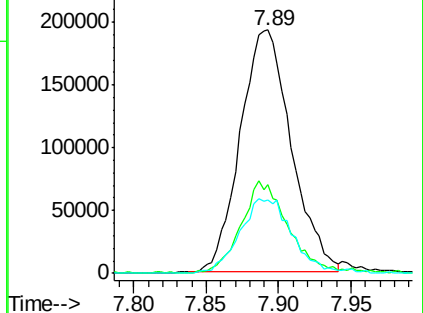
56 32.2 25.3 37.9



Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#45

t-1,3-Dichloropropene

Concen: 1.263 ppbv

RT: 9.30 min Scan# 2027

Delta R.T. 0.00 min

Lab File: VL036066.D

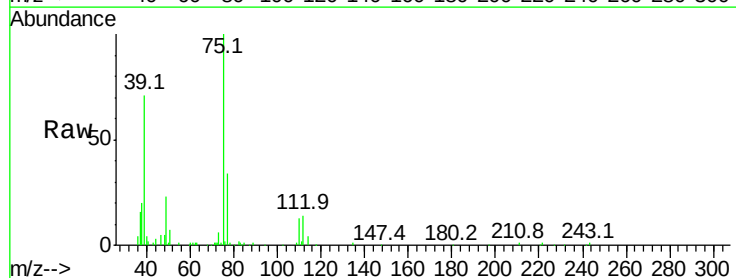
Acq: 7 Dec 2020 13:47

Tgt Ion: 75 Resp: 86728

Ion Ratio Lower Upper

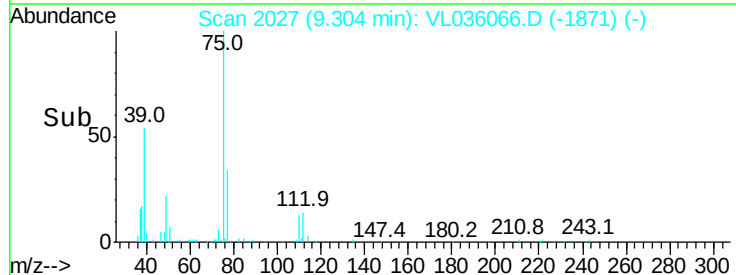
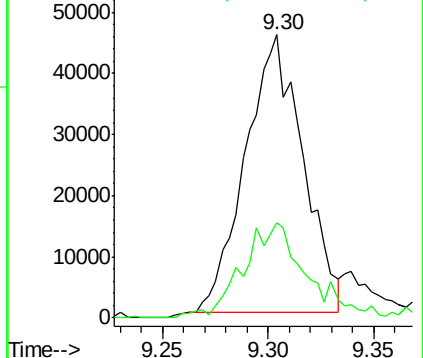
75 100

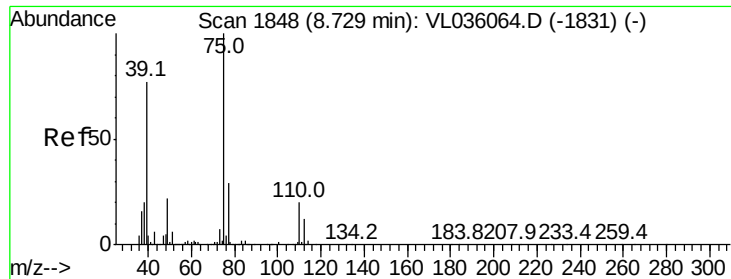
77 33.9 26.0 39.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

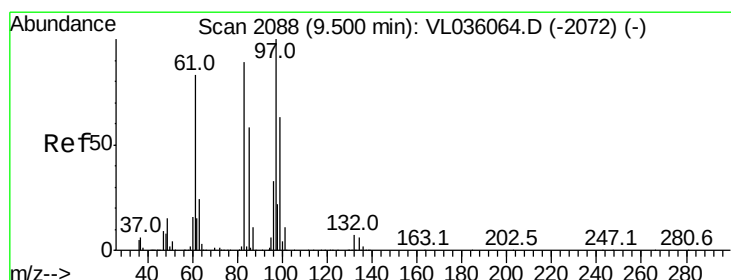
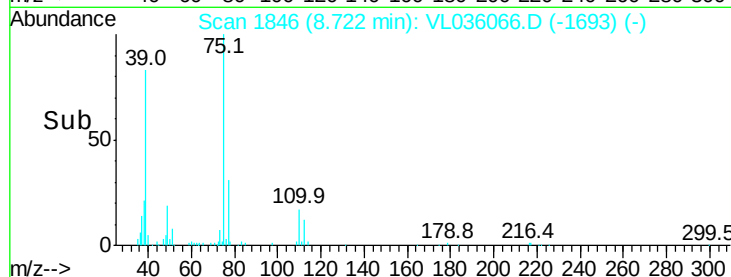
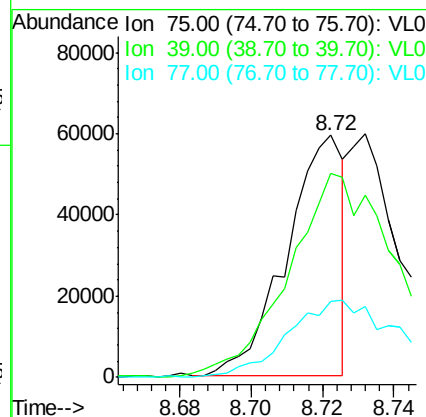
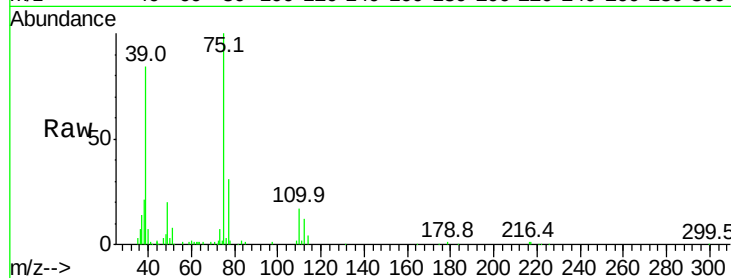




#46
 cis-1,3-Dichloropropene
 Concen: 0.713 ppbv
 RT: 8.72 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

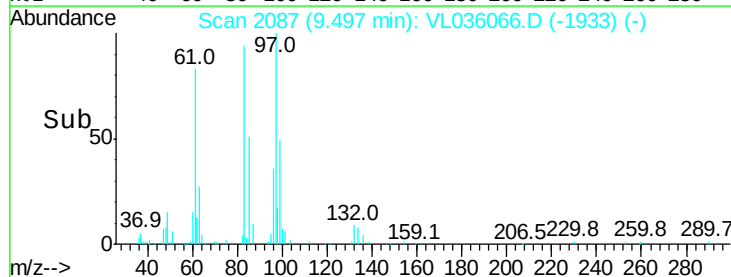
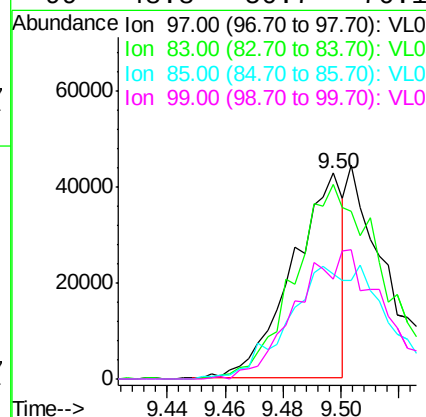
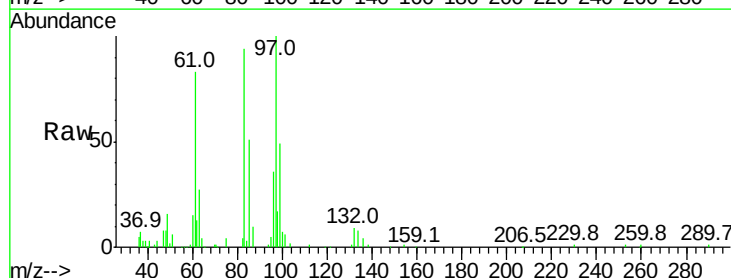
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

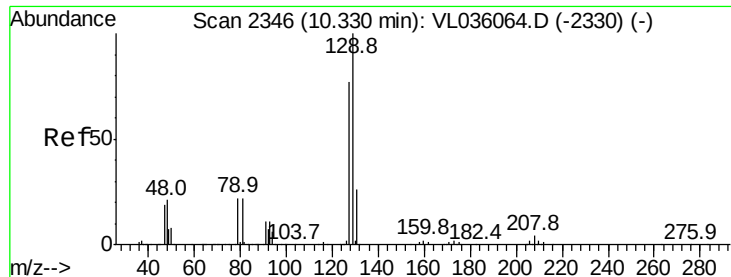
Tgt Ion: 75 Resp: 65598
 Ion Ratio Lower Upper
 75 100
 39 82.3 61.6 92.4
 77 31.5 23.0 34.6



#47
 1,1,2-Trichloroethane
 Concen: 0.539 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

Tgt Ion: 97 Resp: 51656
 Ion Ratio Lower Upper
 97 100
 83 94.7 71.4 107.2
 85 51.4 46.6 70.0
 99 48.8 50.7 76.1#





#48

Dibromochloromethane

Concen: 1.006 ppbv

RT: 10.33 min Scan# 2346

Delta R.T. -0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

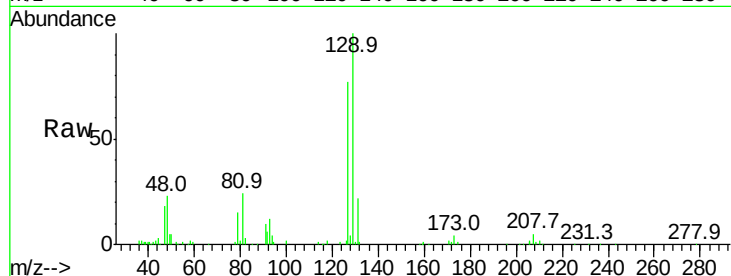
VSTDIC001

Tgt Ion:129 Resp: 135583

Ion Ratio Lower Upper

129 100

127 80.1 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.33

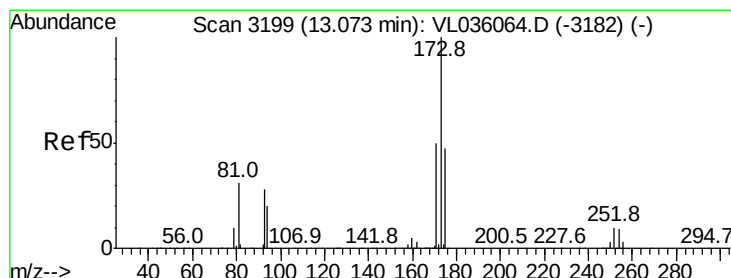
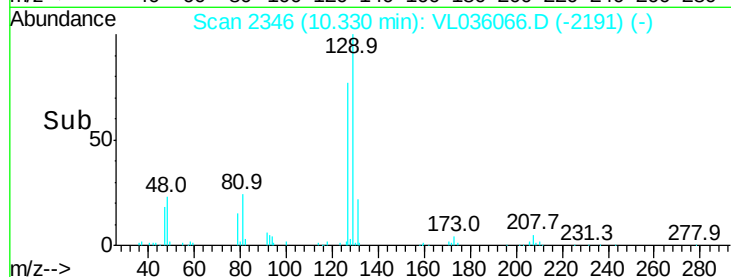
60000

40000

20000

0

Time--> 10.25 10.30 10.35 10.40



#49

Bromoform

Concen: 1.012 ppbv

RT: 13.06 min Scan# 3196

Delta R.T. -0.01 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

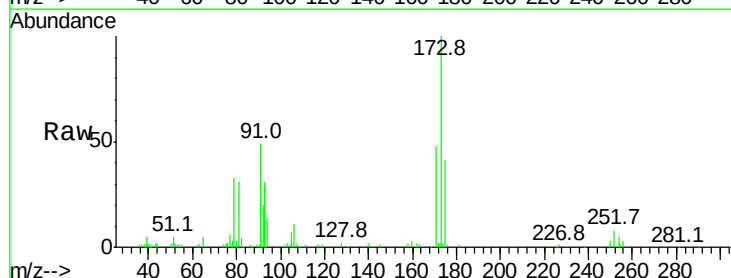
Tgt Ion:173 Resp: 101183

Ion Ratio Lower Upper

173 100

175 53.6 39.8 59.6

171 56.2 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

13.06

60000

50000

40000

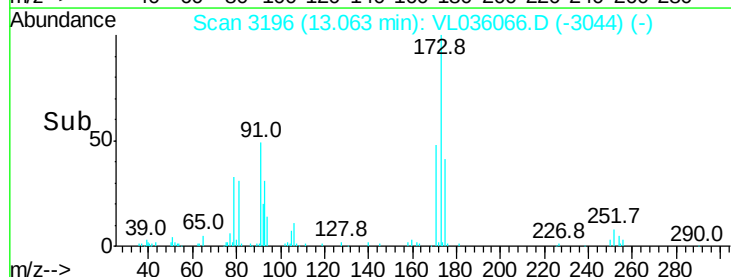
30000

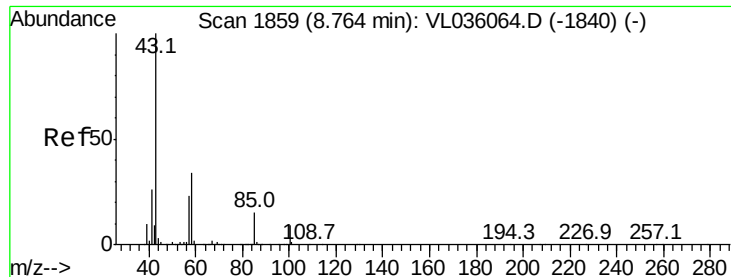
20000

10000

0

Time--> 13.00 13.05 13.10 13.15

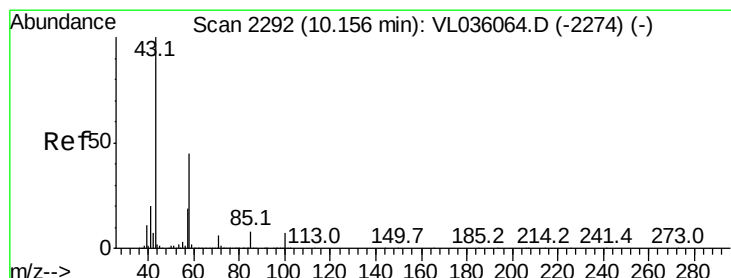
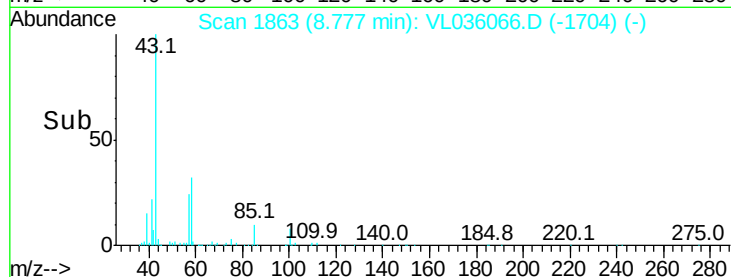
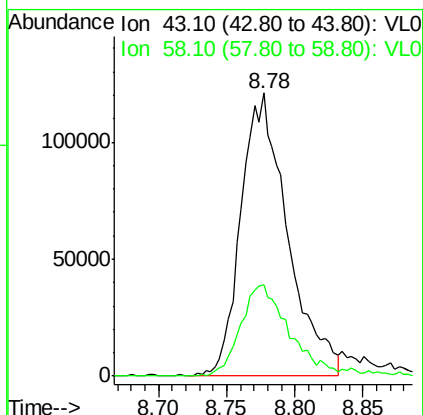
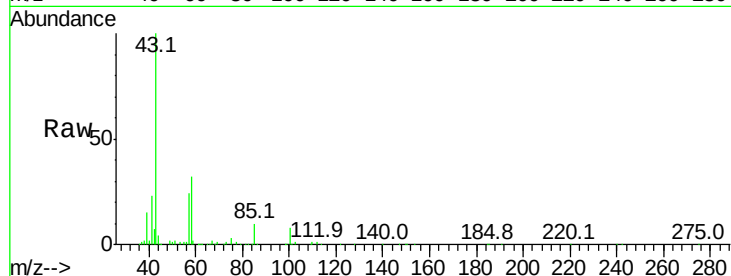




#50
 4-Methyl-2-Pentanone
 Concen: 1.894 ppbv
 RT: 8.78 min Scan# 1863
 Delta R.T. 0.01 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

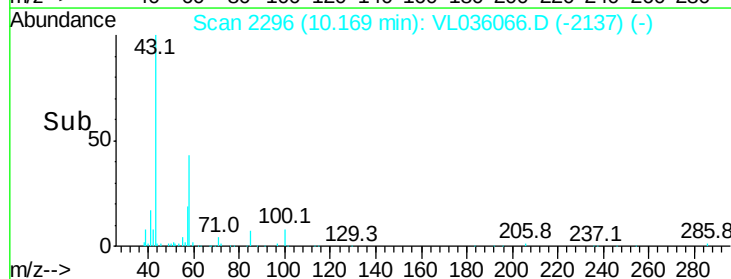
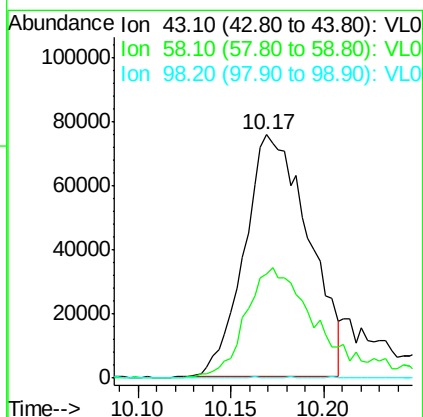
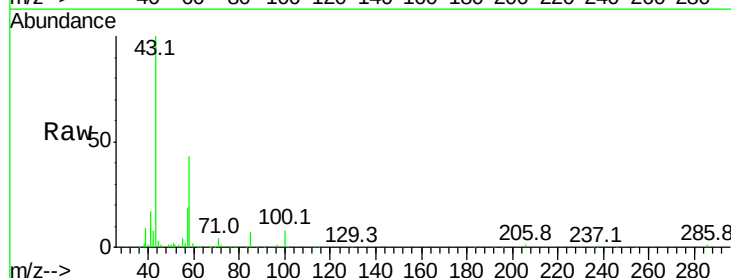
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

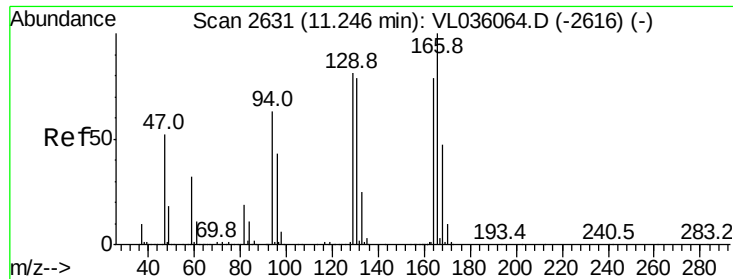
Tgt Ion: 43 Resp: 287733
 Ion Ratio Lower Upper
 43 100
 58 35.0 27.4 41.2



#51
 2-Hexanone
 Concen: 1.652 ppbv
 RT: 10.17 min Scan# 2296
 Delta R.T. 0.01 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

Tgt Ion: 43 Resp: 181536
 Ion Ratio Lower Upper
 43 100
 58 56.2 38.7 58.1
 98 0.2 0.1 0.1#





#52

Tetrachloroethene

Concen: 0.683 ppbv

RT: 11.25 min Scan# 2631

Delta R.T. -0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:164 Resp: 52786

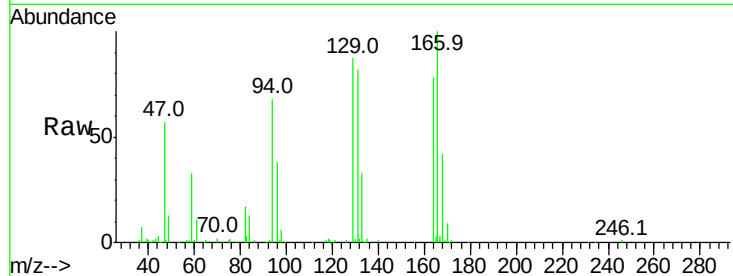
Ion Ratio Lower Upper

164 100

166 126.5 101.9 152.9

129 110.0 82.1 123.1

131 104.7 80.8 121.2

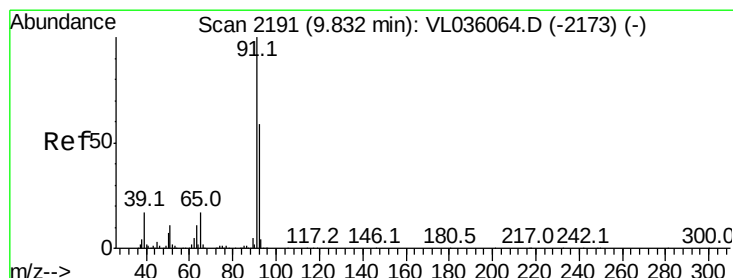
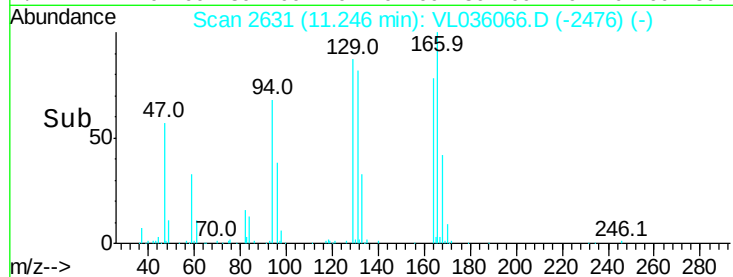
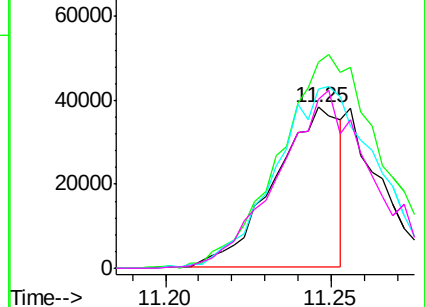


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 1.325 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. -0.01 min

Lab File: VL036066.D

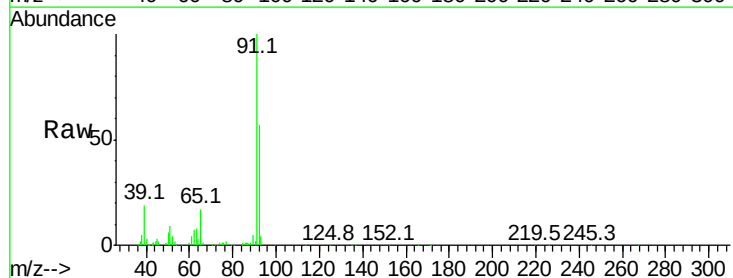
Acq: 7 Dec 2020 13:47

Tgt Ion: 91 Resp: 287553

Ion Ratio Lower Upper

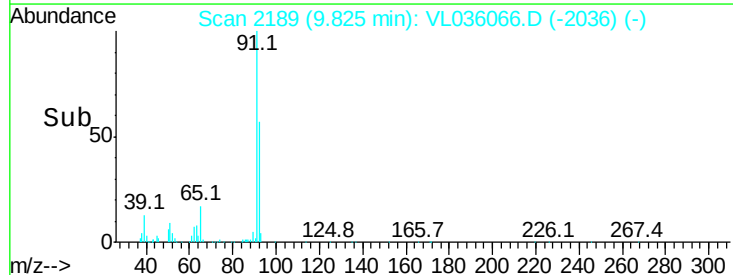
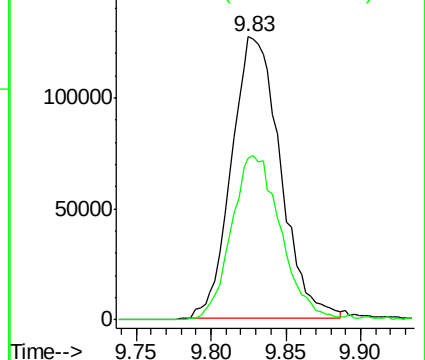
91 100

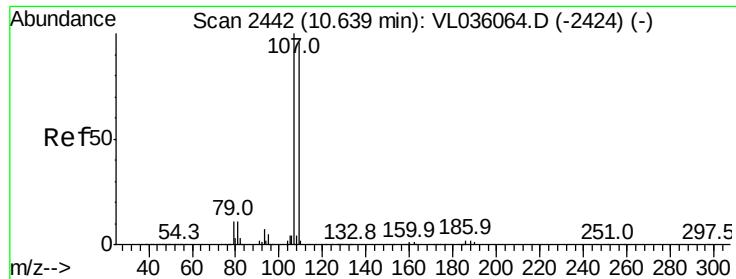
92 60.4 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#54

1,2-Dibromoethane

Concen: 0.959 ppbv

RT: 10.64 min Scan# 2442

Delta R.T. -0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

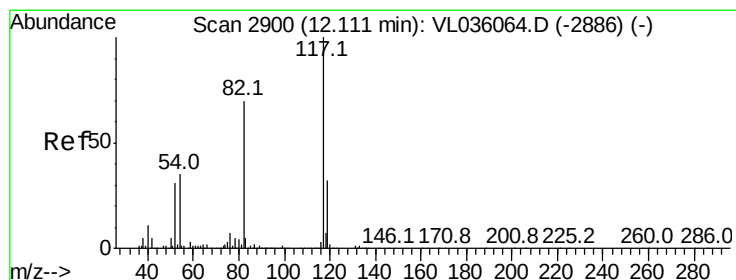
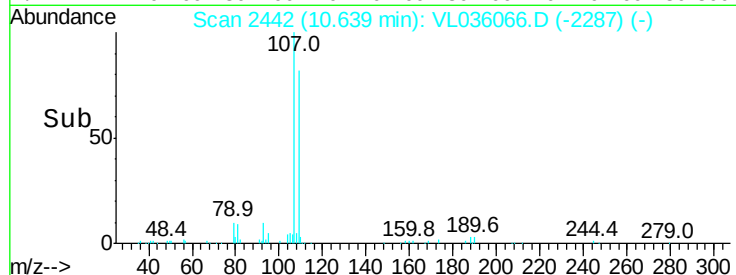
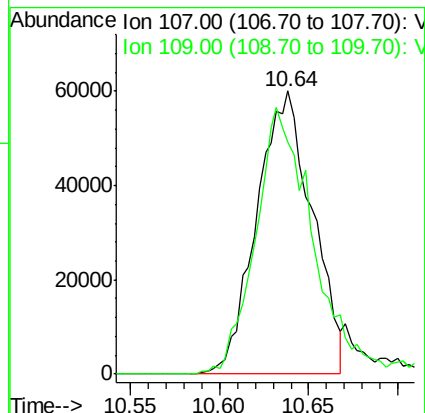
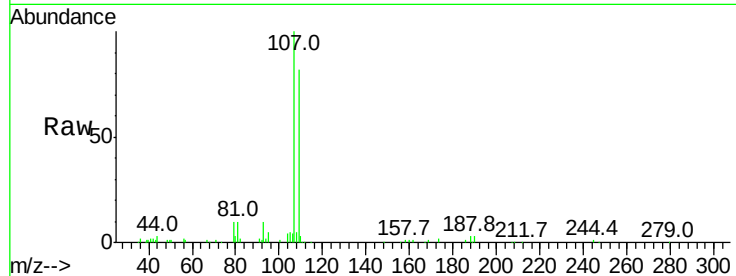
VSTDIC001

Tgt Ion:107 Resp: 130210

Ion Ratio Lower Upper

107 100

109 81.7 76.6 115.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

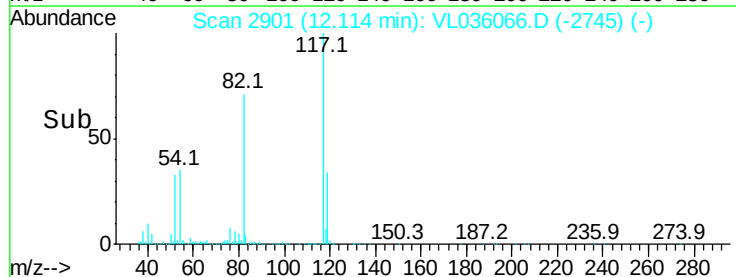
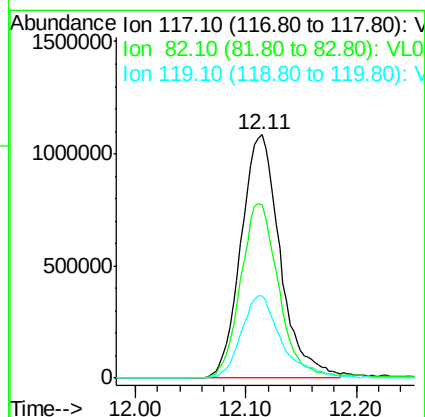
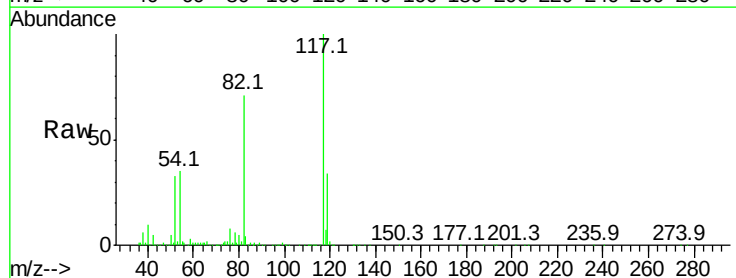
Tgt Ion:117 Resp: 2673230

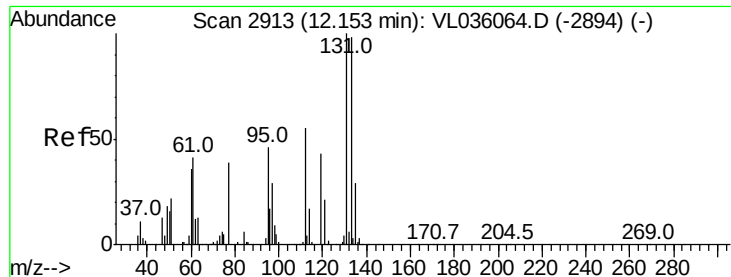
Ion Ratio Lower Upper

117 100

82 70.7 0.0 0.0#

119 34.9 0.0 0.0#





#56

1,1,1,2-Tetrachloroethane

Concen: 0.471 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

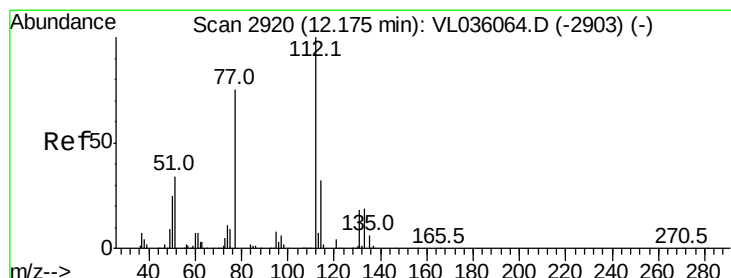
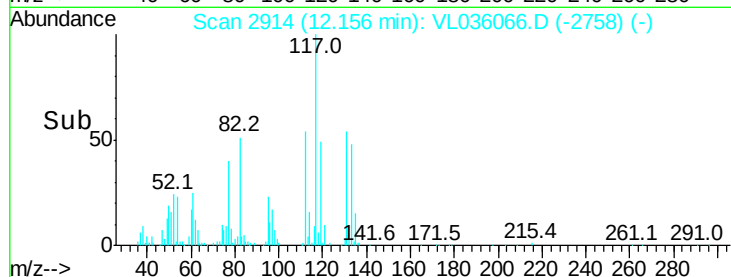
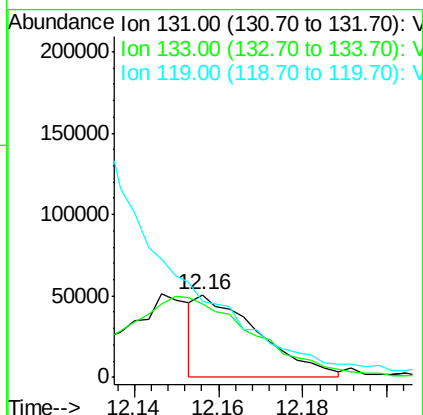
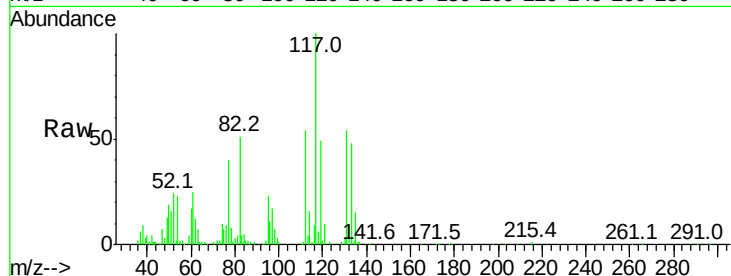
Tgt Ion:131 Resp: 51367

Ion Ratio Lower Upper

131 100

133 0.0 77.7 116.5#

119 0.0 51.6 77.4#



#57

Chlorobenzene

Concen: 0.989 ppbv

RT: 12.18 min Scan# 2920

Delta R.T. -0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

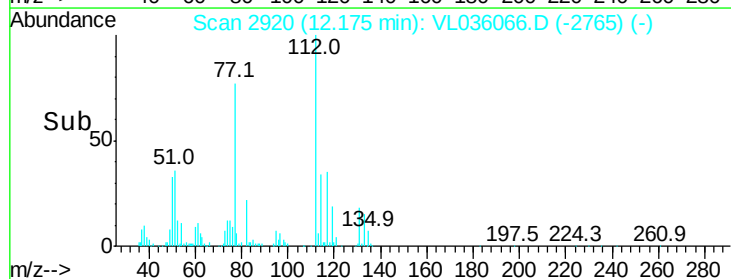
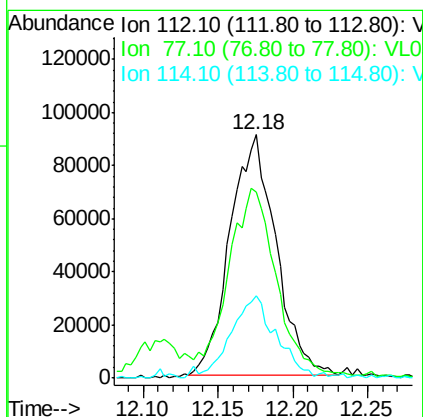
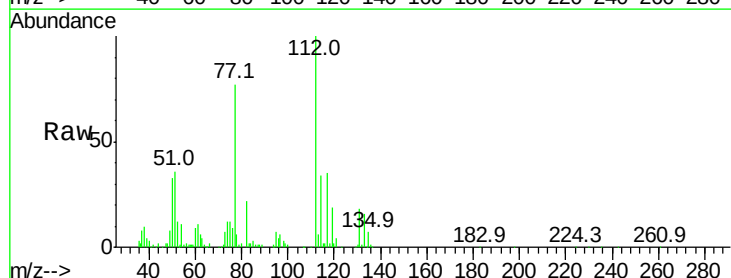
Tgt Ion:112 Resp: 195024

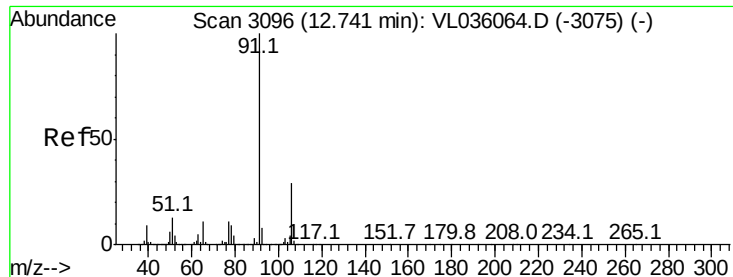
Ion Ratio Lower Upper

112 100

77 75.4 60.5 90.7

114 33.0 29.2 35.6





#58

Ethyl Benzene

Concen: 1.500 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. -0.01 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

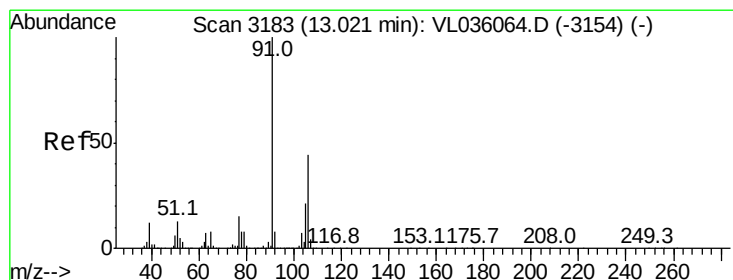
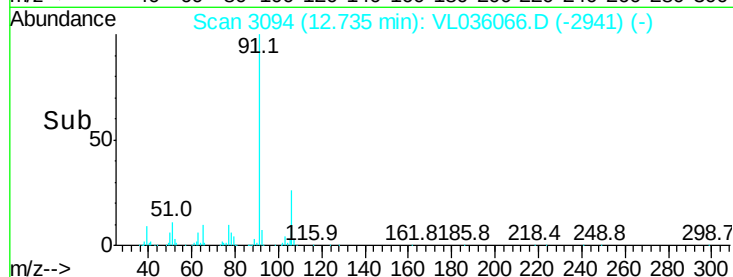
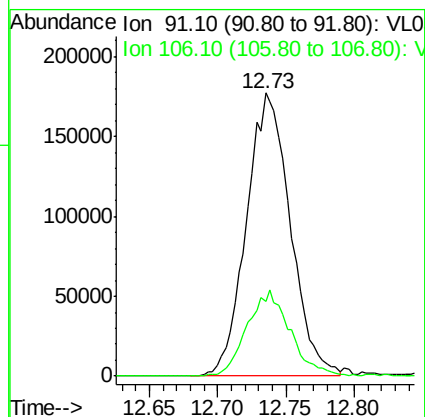
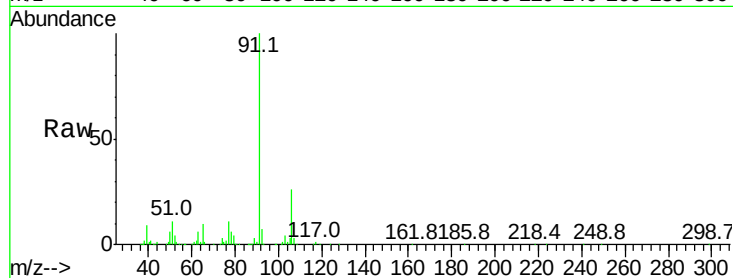
VSTDIC001

Tgt Ion: 91 Resp: 396585

Ion Ratio Lower Upper

91 100

106 26.4 23.0 34.4



#59

m/p-Xylene

Concen: 1.158 ppbv

RT: 13.02 min Scan# 3184

Delta R.T. 0.00 min

Lab File: VL036066.D

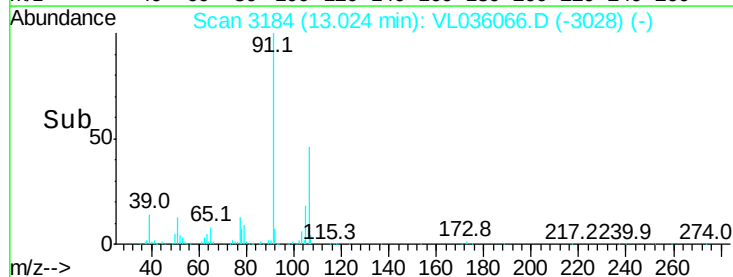
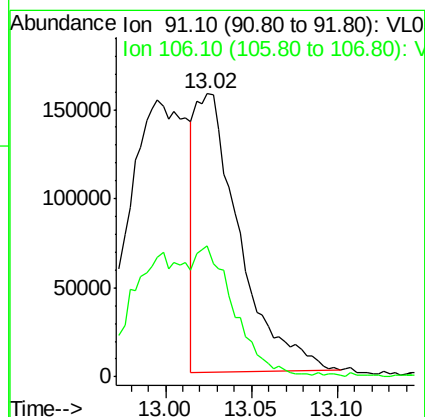
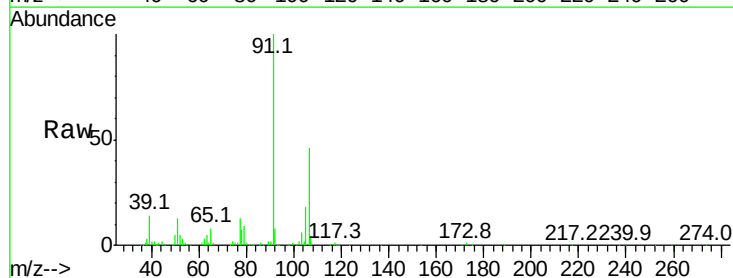
Acq: 7 Dec 2020 13:47

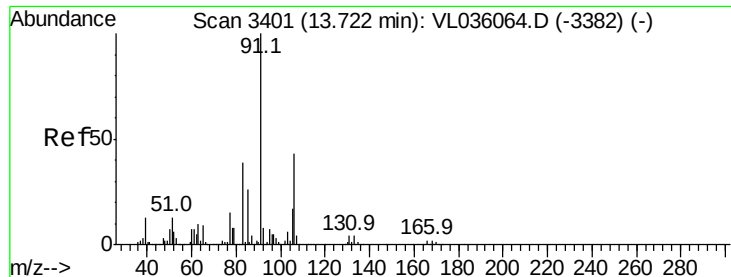
Tgt Ion: 91 Resp: 279063

Ion Ratio Lower Upper

91 100

106 100.7 33.6 50.4#

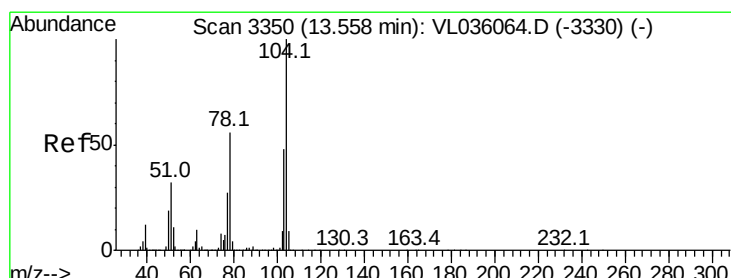
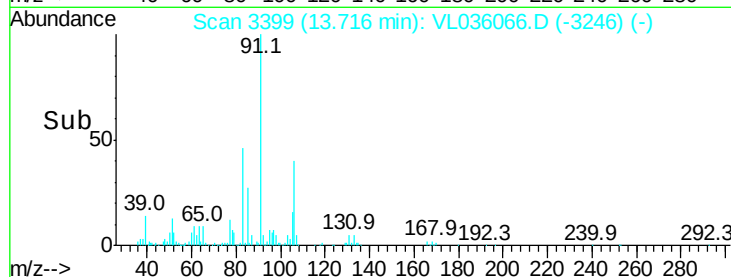
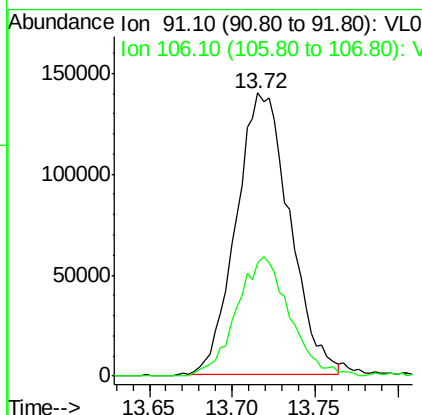
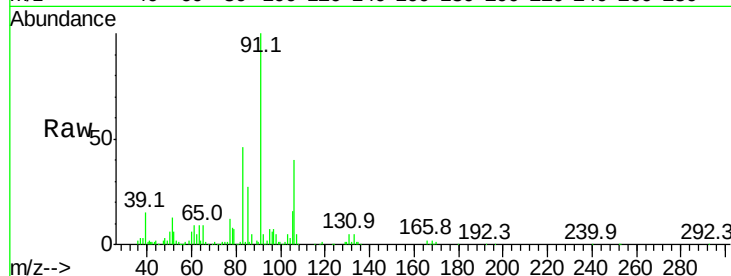




#60
o-Xylene
Concen: 1.283 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

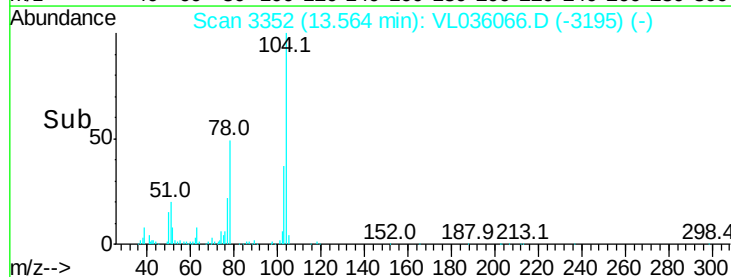
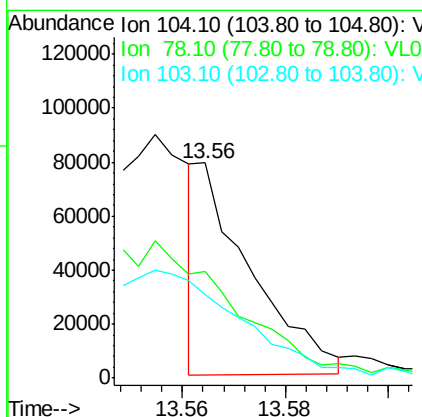
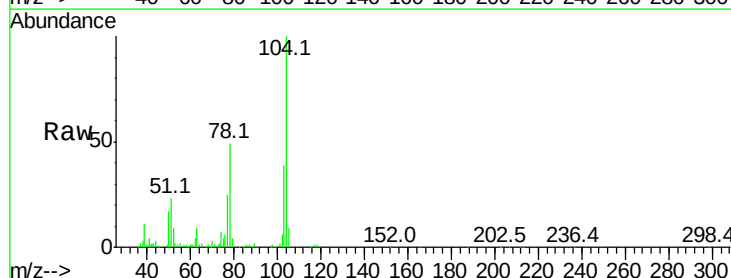
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

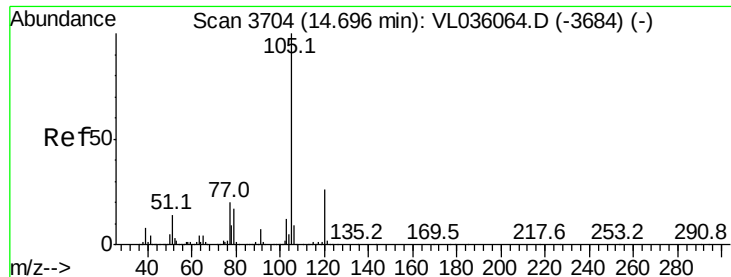
Tgt Ion: 91 Resp: 312188
Ion Ratio Lower Upper
91 100
106 42.2 21.6 64.6



#61
Styrene
Concen: 0.407 ppbv
RT: 13.56 min Scan# 3352
Delta R.T. 0.01 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Tgt Ion: 104 Resp: 56127
Ion Ratio Lower Upper
104 100
78 0.0 45.8 68.8#
103 0.0 38.6 57.8#





#62

Isopropylbenzene

Concen: 1.295 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. -0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

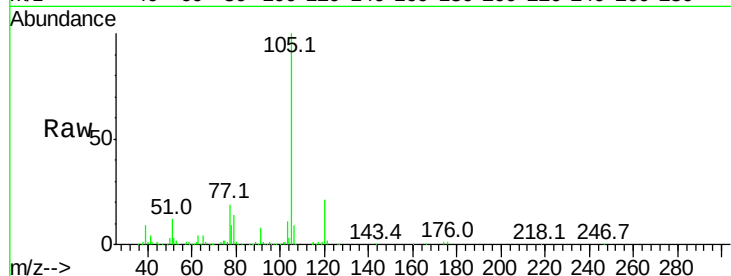
VSTDIC001

Tgt Ion:105 Resp: 467717

Ion Ratio Lower Upper

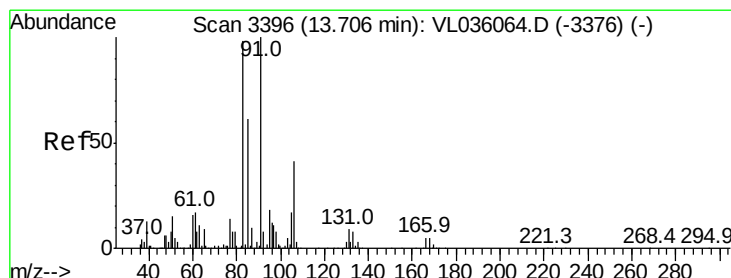
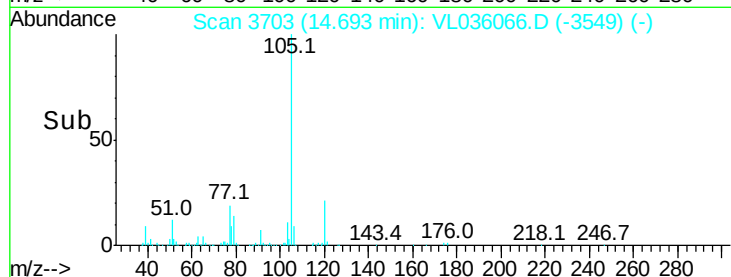
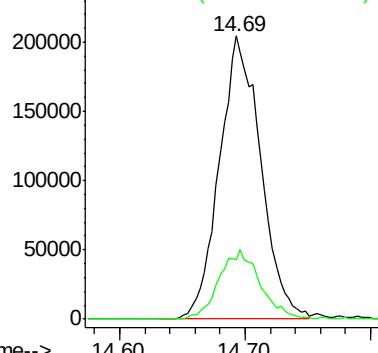
105 100

120 24.5 20.1 30.1



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: 0.785 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. -0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

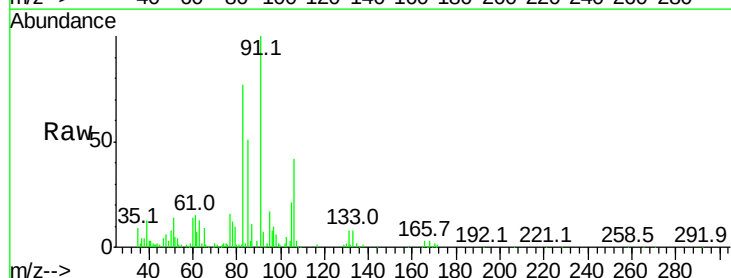
Tgt Ion: 83 Resp: 160110

Ion Ratio Lower Upper

83 100

131 11.4 4.6 13.8

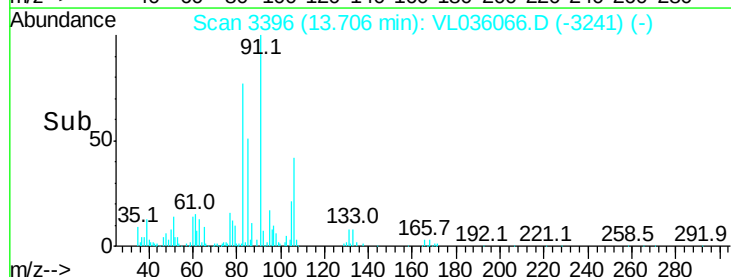
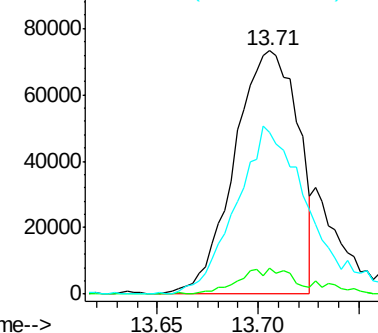
85 80.6 32.5 97.5

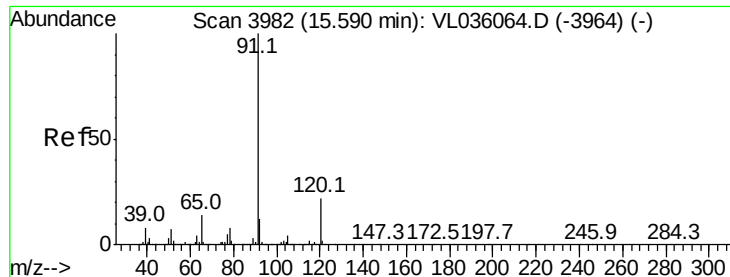


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

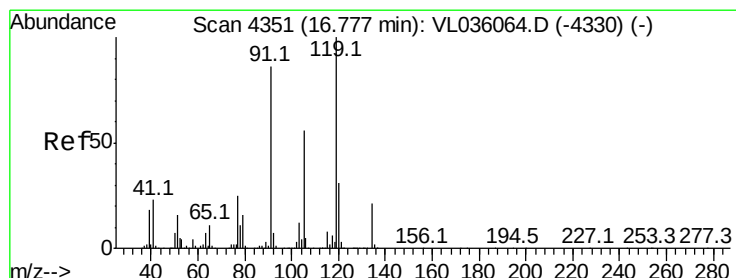
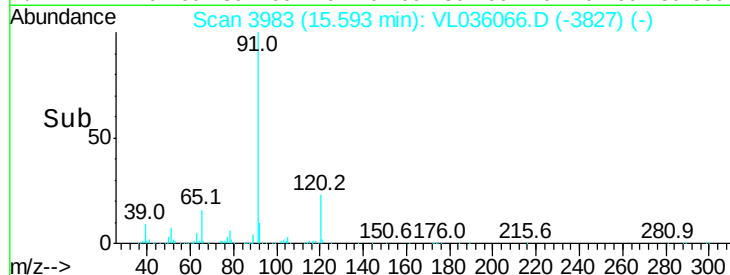
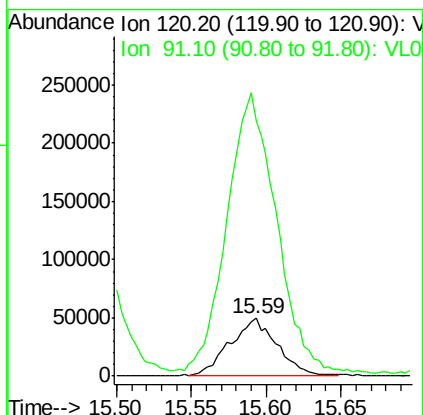
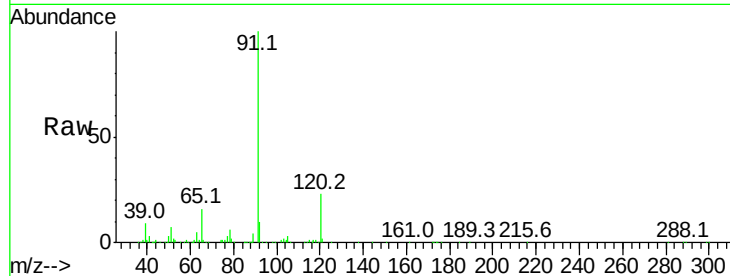




#64
n-propylbenzene
Concen: 1.126 ppbv
RT: 15.59 min Scan# 3983
Delta R.T. 0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

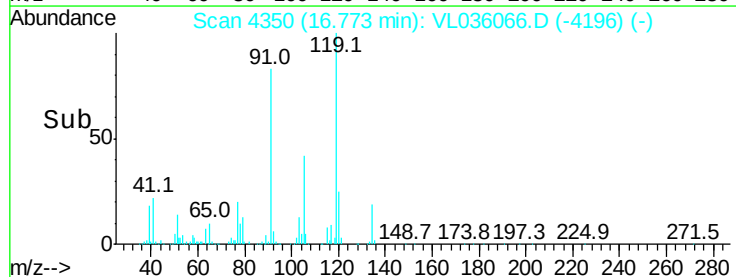
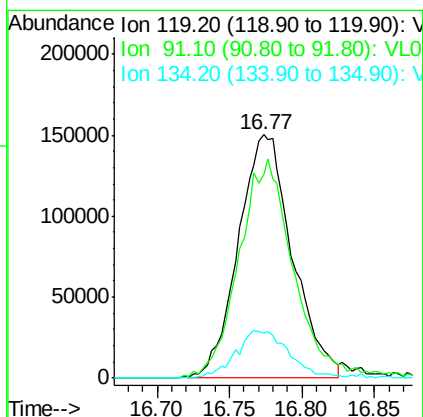
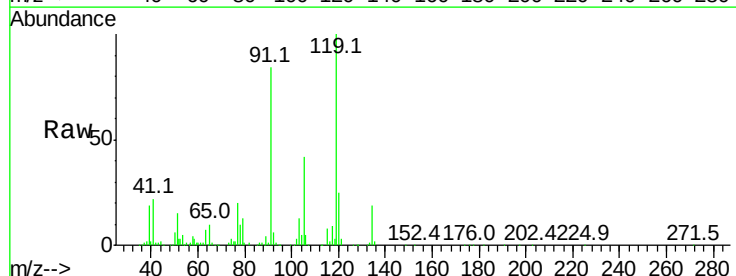
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

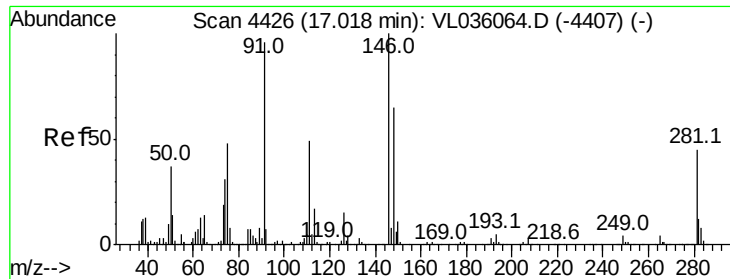
Tgt Ion:120 Resp: 107024
Ion Ratio Lower Upper
120 100
91 523.0 388.9 583.3



#65
tert-Butylbenzene
Concen: 1.281 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. -0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Tgt Ion:119 Resp: 387832
Ion Ratio Lower Upper
119 100
91 92.5 70.2 105.2
134 19.8 15.8 23.6

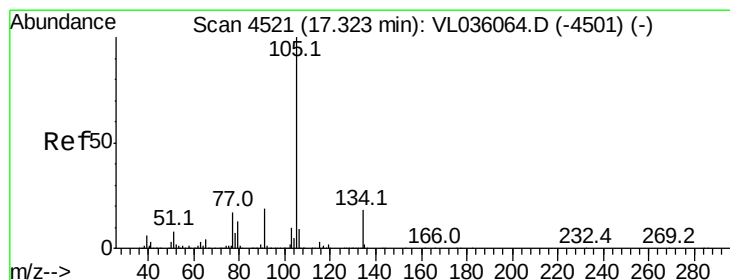
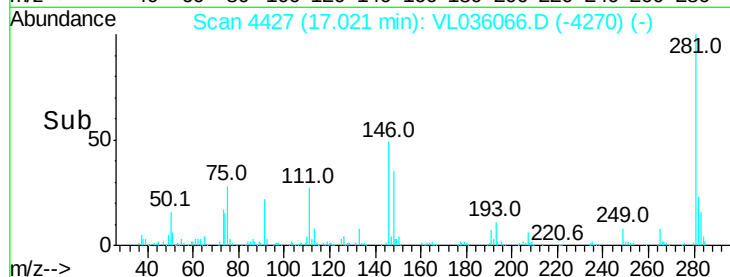
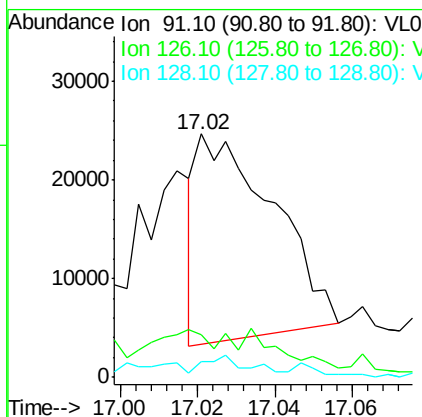
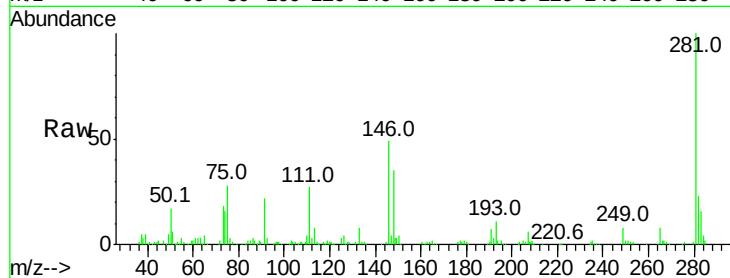




#66
Benzyl Chloride
Concen: 0.391 ppbv
RT: 17.02 min Scan# 4427
Delta R.T. 0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

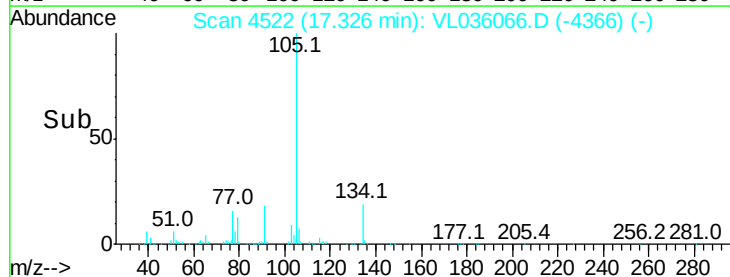
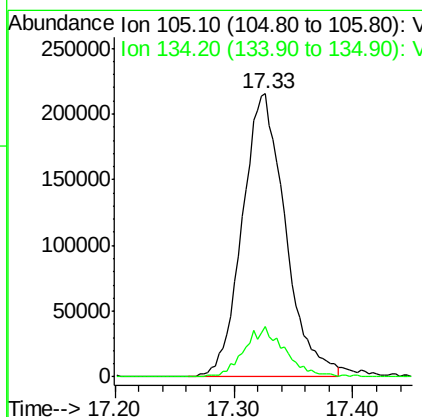
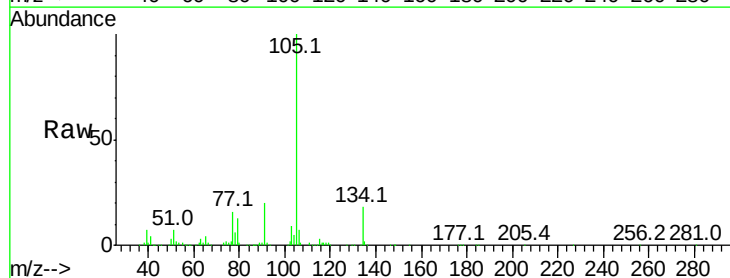
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

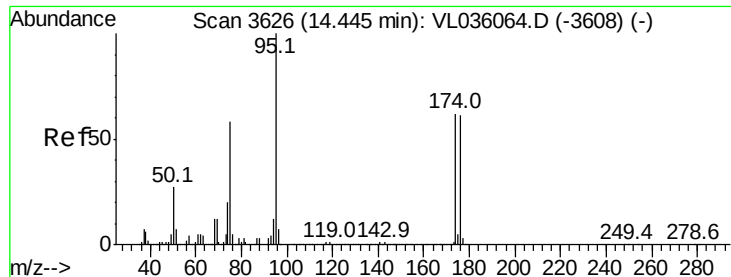
Tgt Ion: 91 Resp: 28537
Ion Ratio Lower Upper
91 100
126 53.8 13.5 20.3#
128 16.0 4.4 6.6#



#67
sec-Butylbenzene
Concen: 1.306 ppbv
RT: 17.33 min Scan# 4522
Delta R.T. 0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Tgt Ion: 105 Resp: 540096
Ion Ratio Lower Upper
105 100
134 16.9 14.2 21.4

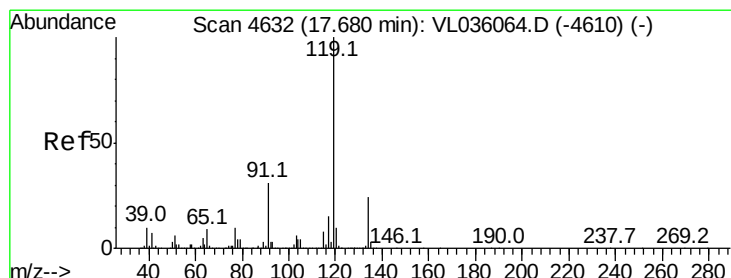
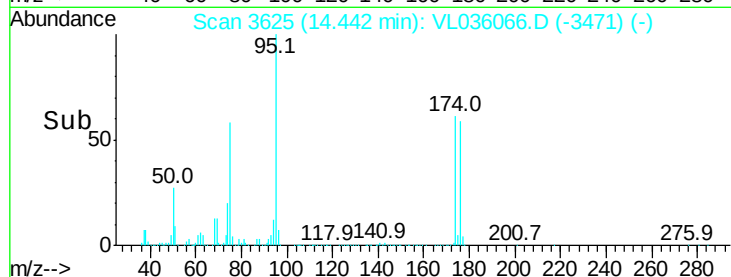
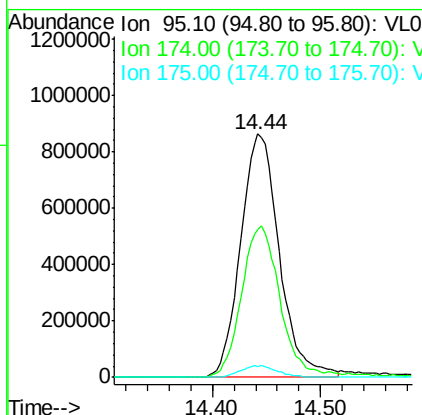
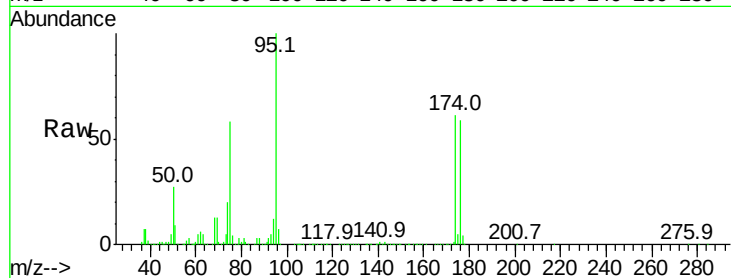




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.534 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

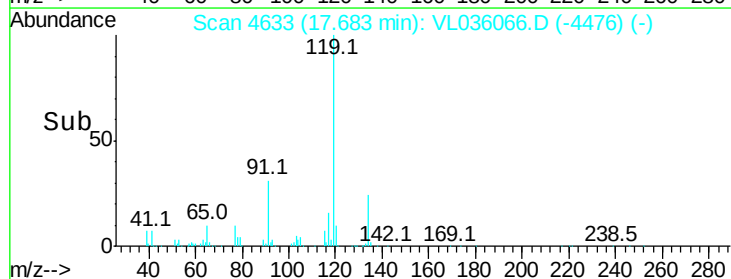
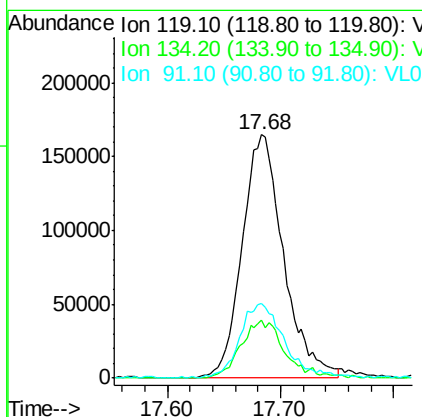
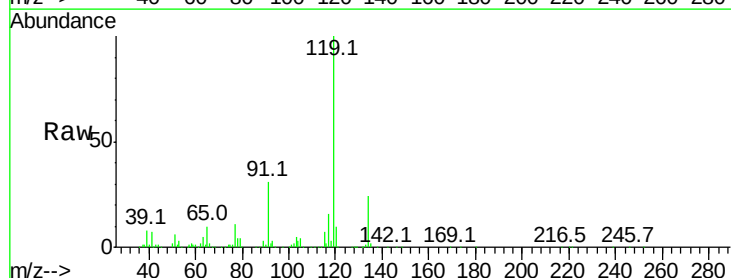
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

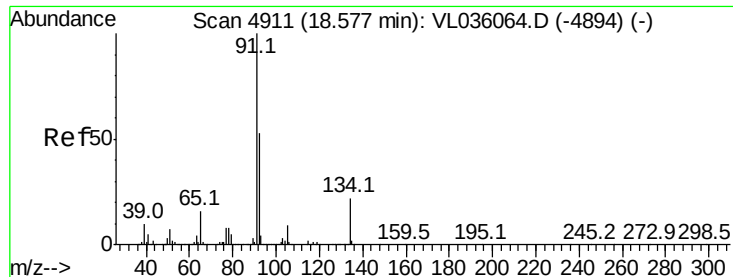
Tgt Ion: 95 Resp: 2151664
 Ion Ratio Lower Upper
 95 100
 174 62.9 50.7 76.1
 175 4.7 4.0 6.0



#69
 p-Isopropyltoluene
 Concen: 1.346 ppbv
 RT: 17.68 min Scan# 4633
 Delta R.T. 0.00 min
 Lab File: VL036066.D
 Acq: 7 Dec 2020 13:47

Tgt Ion: 119 Resp: 420392
 Ion Ratio Lower Upper
 119 100
 134 25.3 19.8 29.6
 91 33.3 25.8 38.6

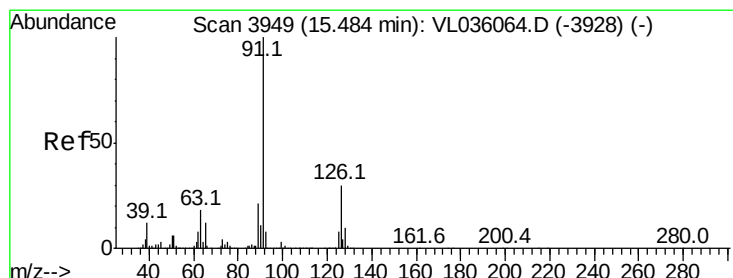
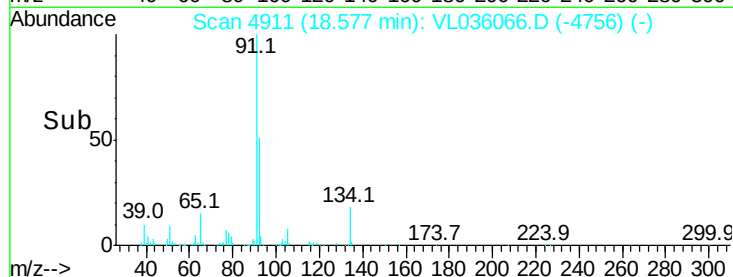
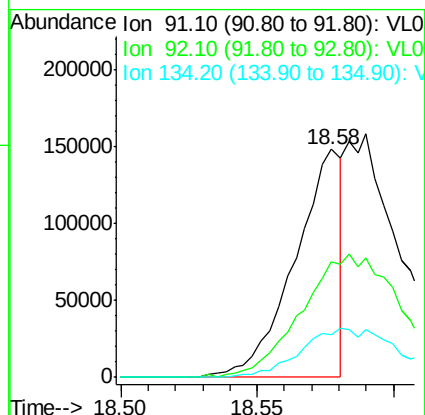
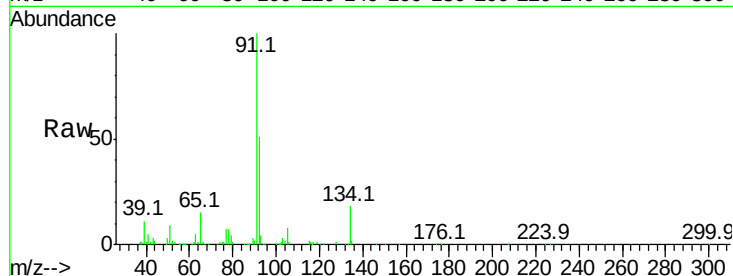




#70
n-Butylbenzene
Concen: 0.570 ppbv
RT: 18.58 min Scan# 4911
Delta R.T. -0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

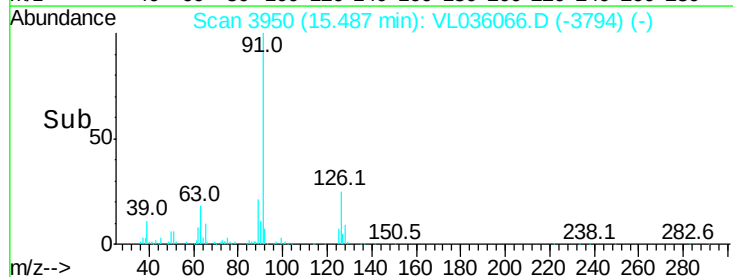
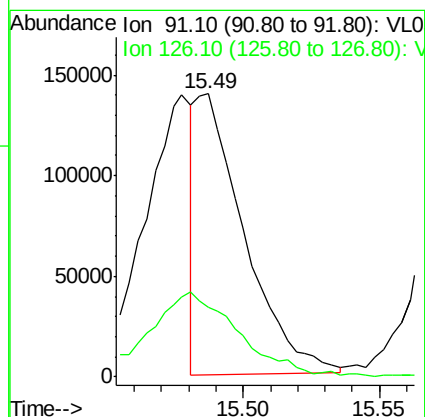
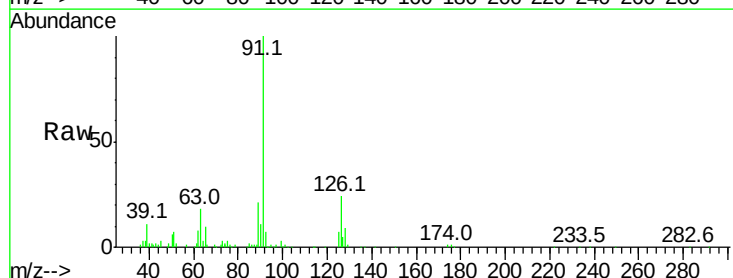
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

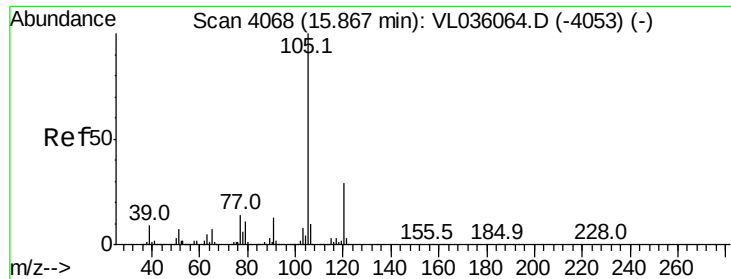
Tgt Ion: 91 Resp: 176323
Ion Ratio Lower Upper
91 100
92 122.8 43.3 64.9#
134 48.5 17.1 25.7#



#71
2-Chlorotoluene
Concen: 0.684 ppbv
RT: 15.49 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VL036066.D
Acq: 7 Dec 2020 13:47

Tgt Ion: 91 Resp: 169914
Ion Ratio Lower Upper
91 100
126 0.0 11.6 46.4#





#72

4-Ethyltoluene

Concen: 1.353 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

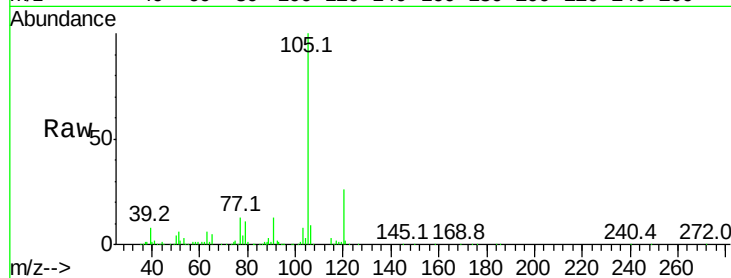
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:	105	Resp:	338965
Ion	Ratio	Lower	Upper
105	100		
120	29.4	23.6	35.4
91	12.5	11.4	17.0
77	14.9	12.1	18.1

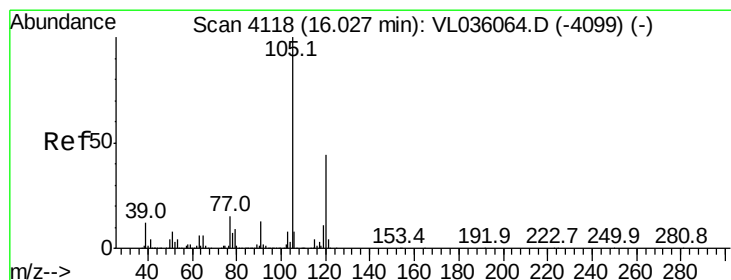
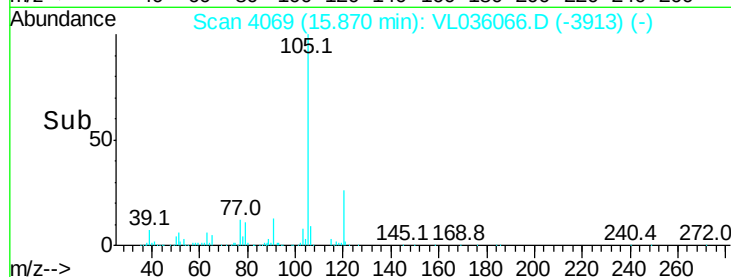
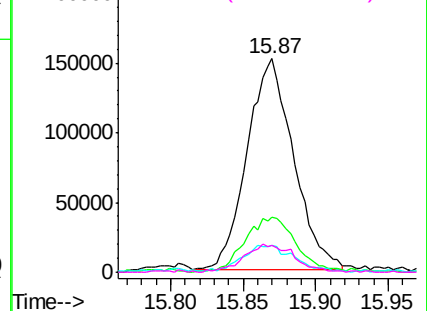


Abundance Ion 105.10 (104.80 to 105.80): V

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: 1.292 ppbv

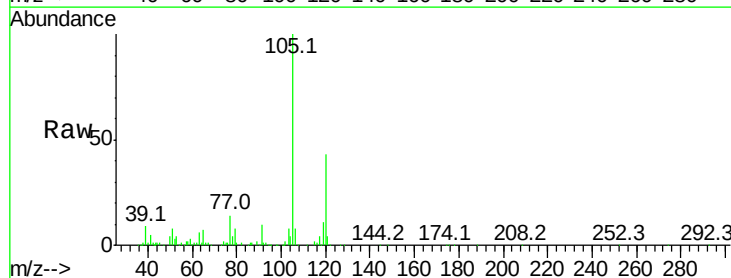
RT: 16.03 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VL036066.D

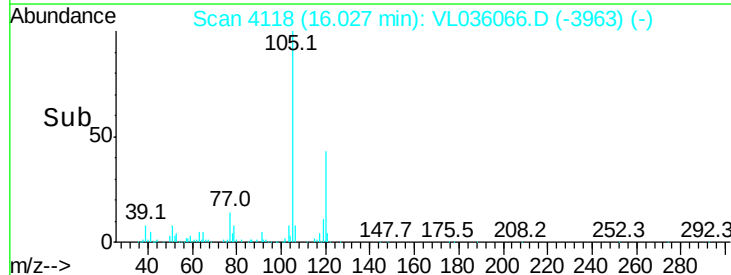
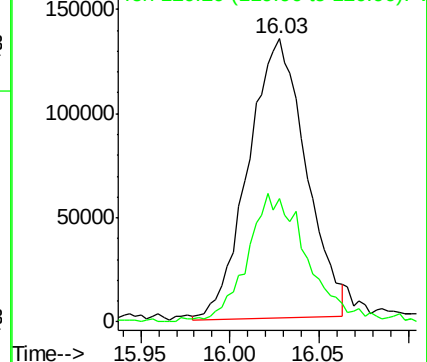
Acq: 7 Dec 2020 13:47

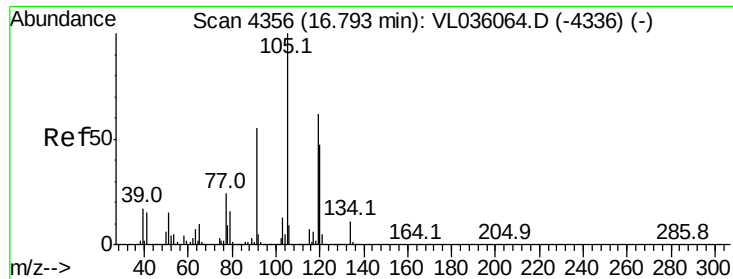
Tgt Ion:	105	Resp:	303228
Ion	Ratio	Lower	Upper
105	100		
120	43.2	35.4	53.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.558 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. -0.01 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 146184

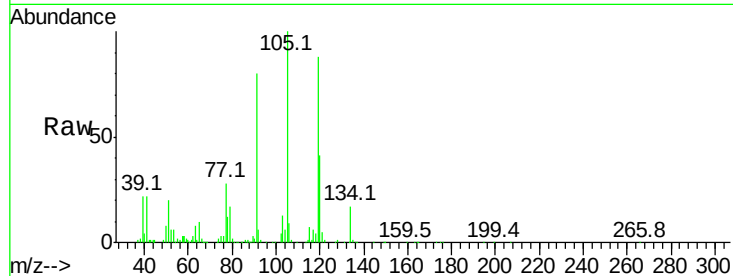
Ion Ratio Lower Upper

105 100

120 39.6 37.4 56.0

91 61.1 45.6 68.4

77 24.2 19.4 29.2

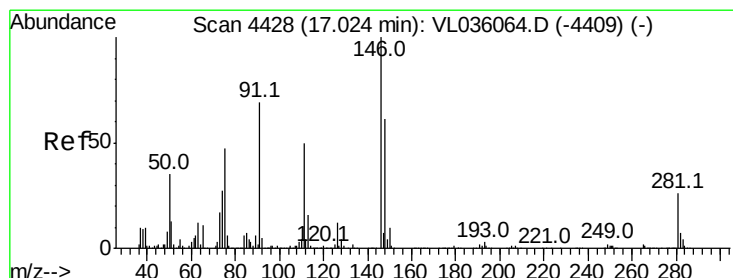
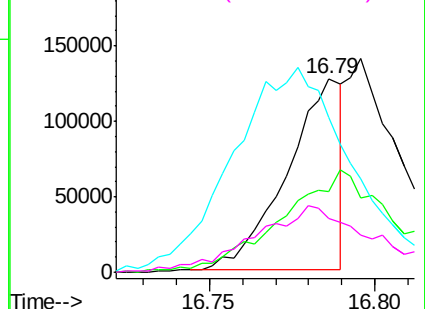
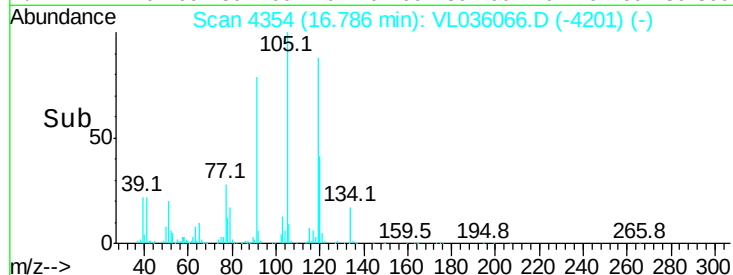


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 0.517 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. 0.01 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

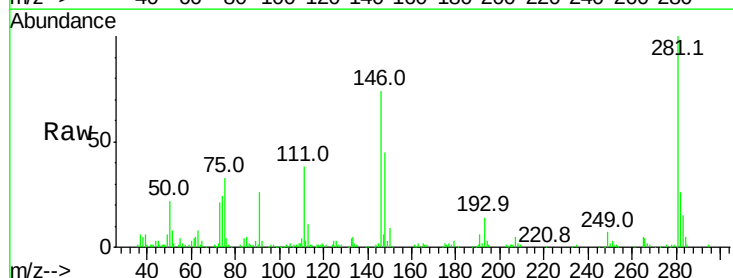
Tgt Ion:146 Resp: 81816

Ion Ratio Lower Upper

146 100

111 102.3 25.1 75.3#

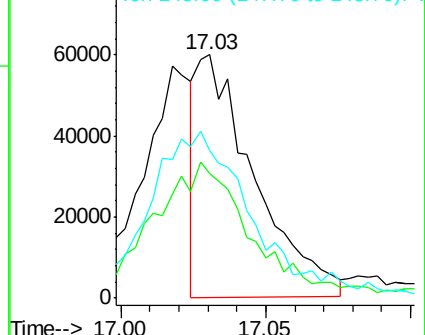
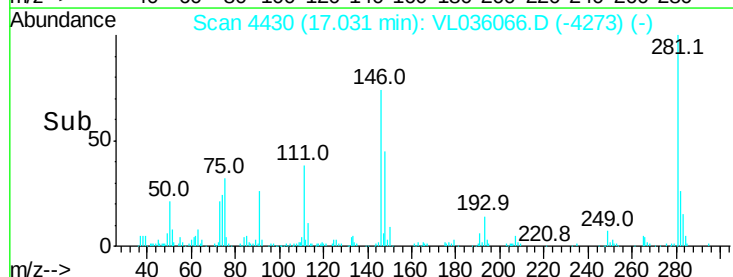
148 127.4 32.9 98.6#

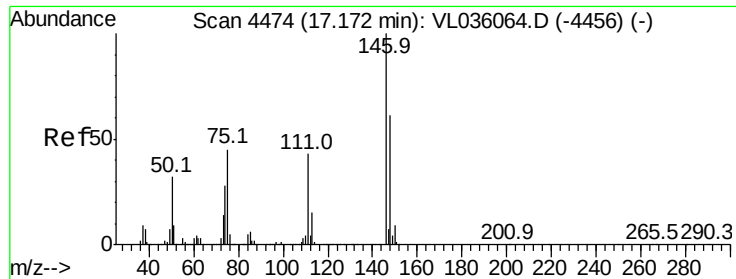


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#76

1,4-Dichlorobenzene

Concen: 0.980 ppbv

RT: 17.17 min Scan# 4474

Delta R.T. -0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

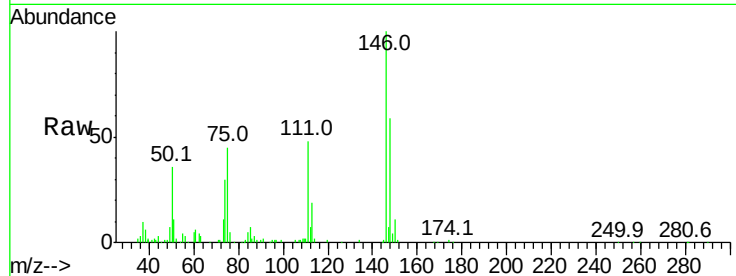
Tgt Ion:146 Resp: 146614

Ion Ratio Lower Upper

146 100

111 54.6 24.3 72.8

148 70.9 32.8 98.3

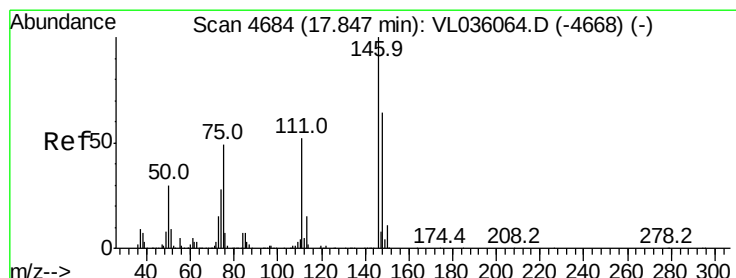
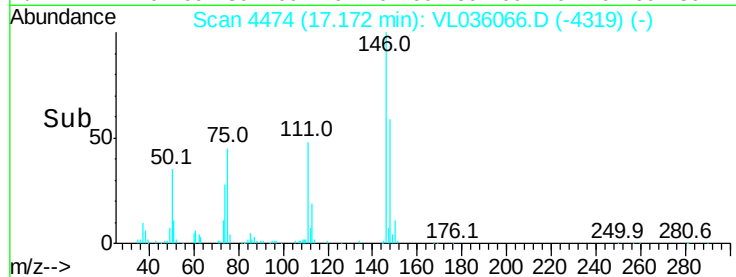
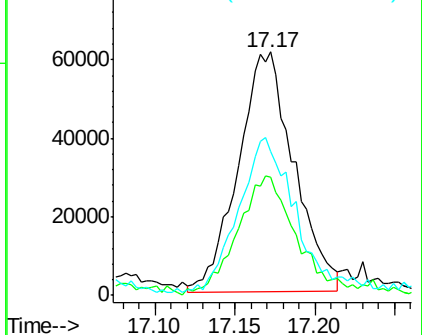


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#77

1,2-Dichlorobenzene

Concen: 0.970 ppbv

RT: 17.85 min Scan# 4685

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

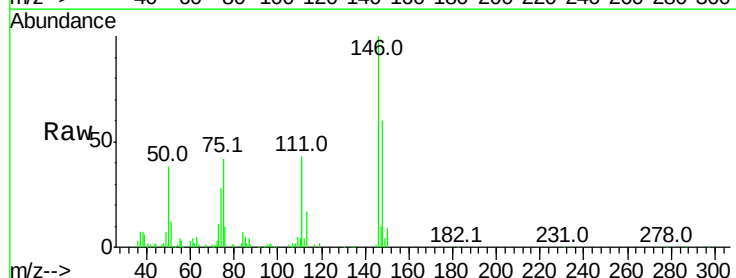
Tgt Ion:146 Resp: 140904

Ion Ratio Lower Upper

146 100

111 61.5 26.1 78.2

148 71.3 33.1 99.5

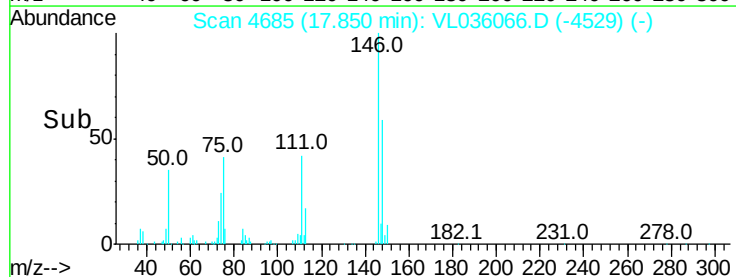
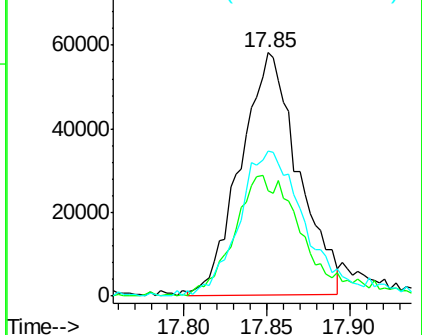


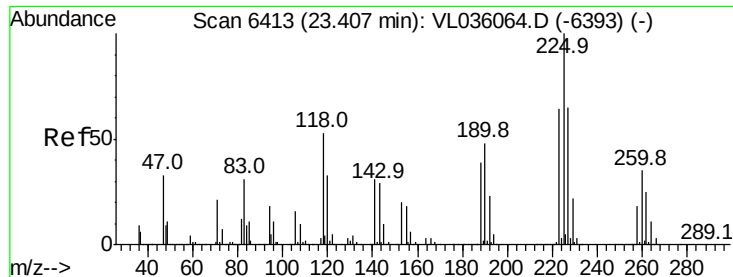
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#78

Hexachloro-1,3-Butadiene

Concen: 1.417 ppbv

RT: 23.41 min Scan# 6415

Delta R.T. 0.01 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

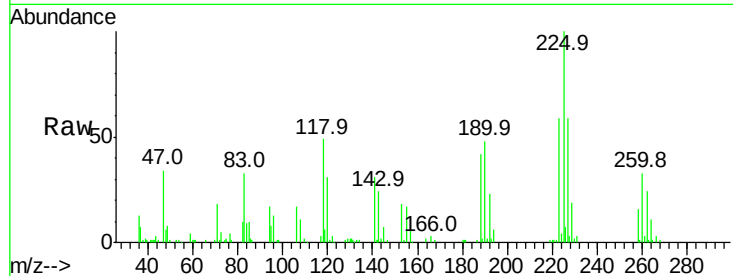
Tgt Ion:225 Resp: 113142

Ion Ratio Lower Upper

225 100

223 66.8 51.1 76.7

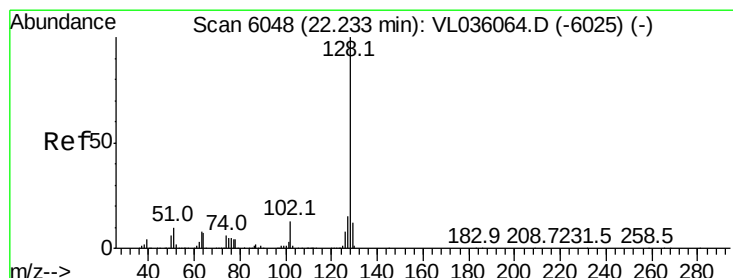
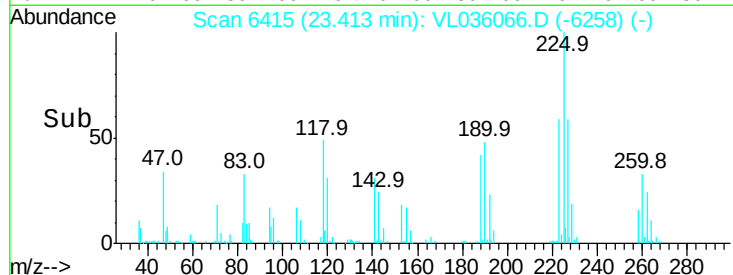
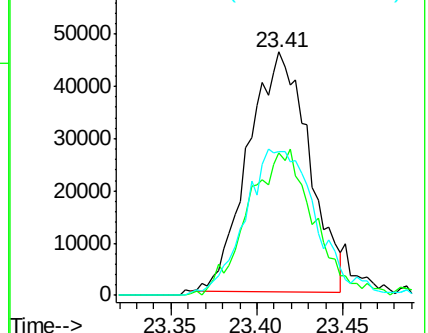
227 71.9 51.7 77.5



Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V



#79

Naphthalene

Concen: 0.839 ppbv

RT: 22.25 min Scan# 6052

Delta R.T. 0.01 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

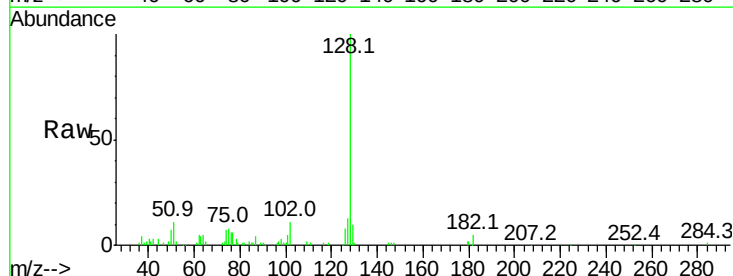
Tgt Ion:128 Resp: 102486

Ion Ratio Lower Upper

128 100

127 11.4 11.7 17.5#

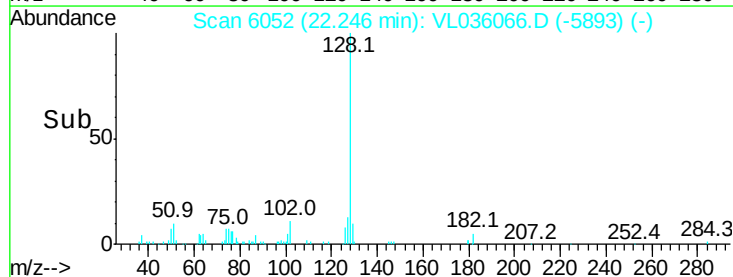
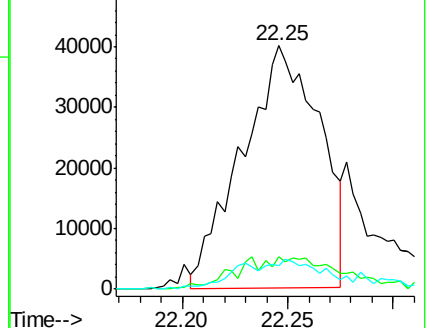
129 9.3 9.3 13.9#

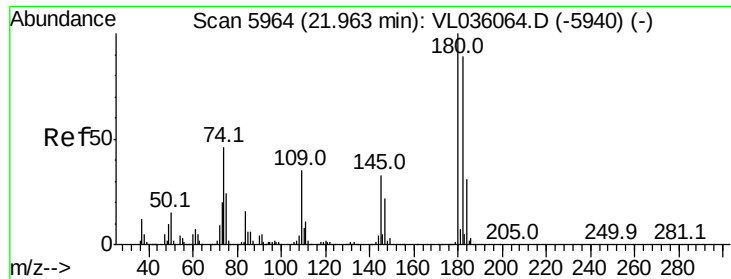


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#81

1,2,4-Trichlorobenzene

Concen: 0.124 ppbv

RT: 21.97 min Scan# 5965

Delta R.T. 0.00 min

Lab File: VL036066.D

Acq: 7 Dec 2020 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

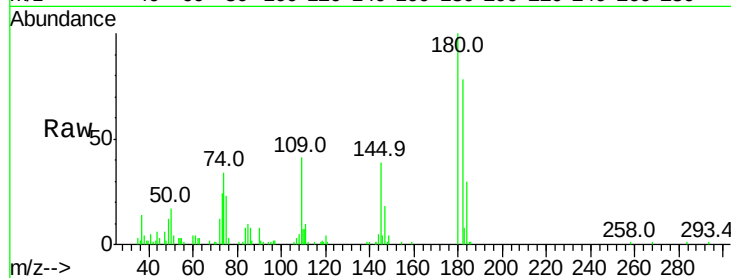
Tgt Ion:180 Resp: 10431

Ion Ratio Lower Upper

180 100

182 0.0 0.0 0.0

184 0.0 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

