

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091621\
 Data File : VL037619.D
 Acq On : 16 Sep 2021 16:53
 Operator : SY/AP
 Sample : VL0916SBS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 17 05:27:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1573535	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4804195	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	5418564	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3156331	8.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	2029432	7.127 ppbv	99
3) Chlorodifluoromethane	2.98	51	2843234	9.580 ppbv	99
4) Chloromethane	3.13	50	1058973	9.657 ppbv	99
5) Vinyl Chloride	3.25	62	1058544	10.277 ppbv	95
6) Bromomethane	3.46	94	606735	10.135 ppbv	94
7) Chloroethane	3.55	64	359081	9.328 ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2379116	9.686 ppbv	99
9) Propene	3.00	41	1034317	9.879 ppbv	97
10) Heptane	8.11	43	2588683	10.596 ppbv	100
11) Trichlorofluoromethane	3.94	101	2242414	9.809 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1687760	10.002 ppbv	100
13) Ethanol	3.60	45	47762	4.664 ppbv #	18
14) Bromoethene	3.73	108	751251	9.781 ppbv	99
15) Acetone	3.84	43	1274471	7.795 ppbv	99
16) 1,3-Butadiene	3.32	39	1055792	10.335 ppbv	98
17) tert-Butyl alcohol	4.27	59	1572249	11.341 ppbv	99
18) 1,1-Dichloroethene	4.28	96	782883	9.960 ppbv	99
19) Isopropyl Alcohol	3.95	45	918497	10.325 ppbv #	97
20) Methylene Chloride	4.33	84	663457	8.500 ppbv	98
21) Allyl Chloride	4.40	41	1262880	10.340 ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	803734	10.163 ppbv	95
23) Vinyl Acetate	5.06	43	2117386	9.359 ppbv #	99
24) 1,1-Dichloroethane	5.00	63	1575155	9.719 ppbv	97
25) Ethyl Acetate	5.66	43	4045857	10.218 ppbv	100
26) Hexane	5.67	57	1881280	10.002 ppbv	98
27) Carbon Disulfide	4.54	76	1942886	11.291 ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1663255	10.039 ppbv	98
29) Chloroform	5.74	83	2619824	9.539 ppbv	99
30) Cyclohexane	7.11	84	1589000	9.878 ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1786323	10.461 ppbv	96
32) 1,1,1-Trichloroethane	6.49	97	2623956	10.262 ppbv	99
34) 2-Butanone	5.23	43	1747850	8.953 ppbv	99
35) Carbon Tetrachloride	7.00	117	2690988	9.902 ppbv	99
36) Benzene	6.88	78	3982468	9.941 ppbv	97
37) 1,2-Dichloroethane	6.29	62	1911997	9.704 ppbv	100
38) Trichloroethene	7.82	130	1547210	9.246 ppbv	98
39) 1,2-Dichloropropane	7.60	63	1489498	9.707 ppbv	97
40) 1,4-Dioxane	7.81	88	139221	3.730 ppbv #	1
41) Tetrahydrofuran	6.03	42	933289	10.169 ppbv	99
42) Bromodichloromethane	7.77	83	2857521	10.119 ppbv	97
43) Methyl Methacrylate	8.00	69	1426025	10.700 ppbv	98

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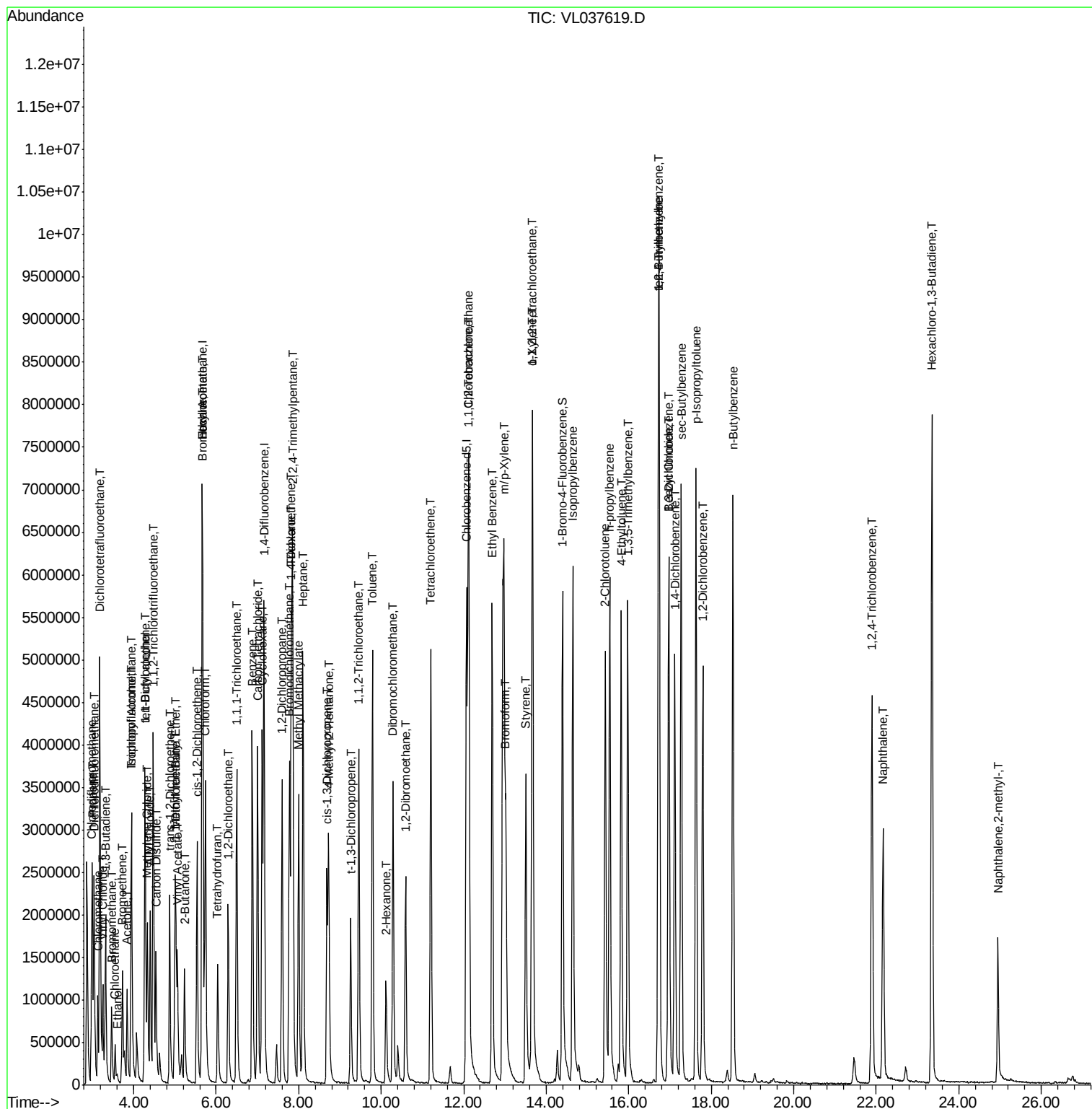
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	6532941	9.700	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	1202285	11.485	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1633325	11.551	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1579746	9.307	ppbv	97
48) Dibromochloromethane	10.28	129	2428173	10.255	ppbv	98
49) Bromoform	13.02	173	1872342	9.880	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2540483	10.252	ppbv	100
51) 2-Hexanone	10.12	43	1162375	10.632	ppbv #	100
52) Tetrachloroethene	11.20	164	1439644	9.361	ppbv	99
53) Toluene	9.79	91	4542723	10.202	ppbv	99
54) 1,2-Dibromoethane	10.59	107	2256420	9.709	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1663858	7.403	ppbv #	91
57) Chlorobenzene	12.13	112	3188505	7.078	ppbv	100
58) Ethyl Benzene	12.69	91	5689462	7.910	ppbv	99
59) m/p-Xylene	12.98	91	4456633	7.110	ppbv #	20
60) o-Xylene	13.67	91	4424068	7.415	ppbv	98
61) Styrene	13.51	104	2457374	8.353	ppbv	99
62) Isopropylbenzene	14.65	105	6063768	7.275	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.65	83	3053948	6.541	ppbv	99
64) n-propylbenzene	15.54	120	764158	3.553	ppbv #	1
65) tert-Butylbenzene	16.73	119	5355997	7.127	ppbv	99
66) Benzyl Chloride	16.97	91	331910	8.082	ppbv	95
67) sec-Butylbenzene	17.27	105	7471938	7.329	ppbv	99
69) p-Isopropyltoluene	17.63	119	6268611	7.526	ppbv	100
70) n-Butylbenzene	18.53	91	6119777	7.765	ppbv	100
71) 2-Chlorotoluene	15.43	91	4376810	7.328	ppbv	98
72) 4-Ethyltoluene	15.82	105	5189164	7.577	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	4659638	7.299	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	4894478	7.279	ppbv	96
75) 1,3-Dichlorobenzene	16.97	146	2898255	6.938	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	2802548	6.802	ppbv	96
77) 1,2-Dichlorobenzene	17.79	146	2809799	7.092	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2349304	7.045	ppbv	99
79) Naphthalene	22.17	128	4125829	9.994	ppbv	98
80) Naphthalene, 2-methyl-	24.95	142	1199253	12.709	ppbv	96
81) 1,2,4-Trichlorobenzene	21.90	180	2380355	8.980	ppbv	98

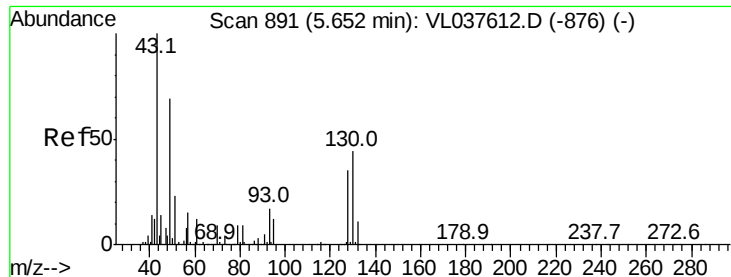
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :

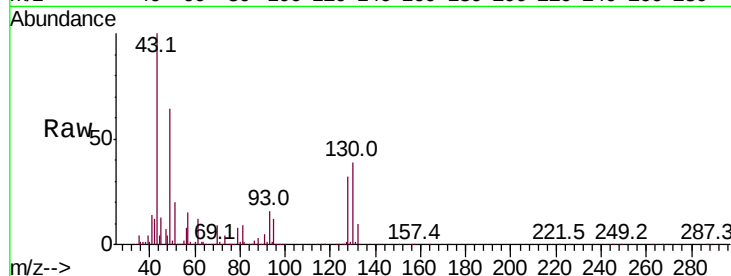
Tot Ion: 49 Resp: 1573535

Ion Ratio Lower Upper

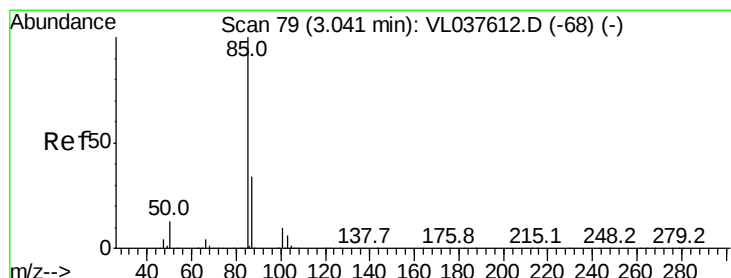
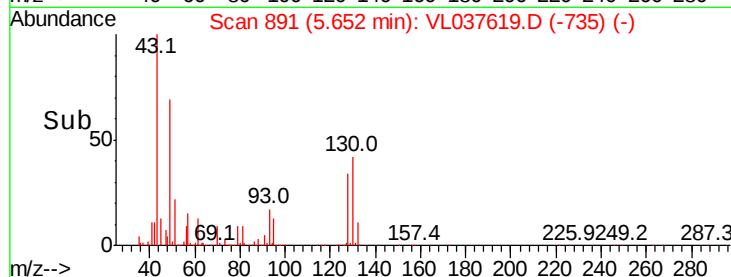
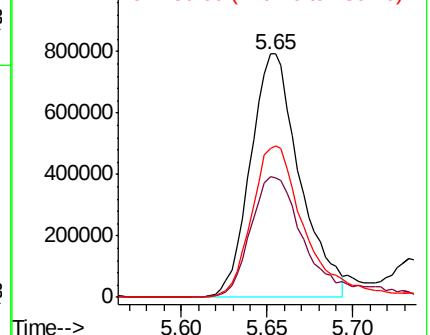
49 100

128 58.4 27.9 83.6

130 68.7 33.9 101.7



Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.127 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL037619.D

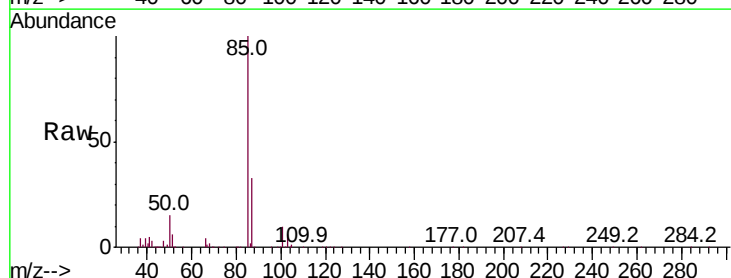
Acq: 16 Sep 2021 16:53

Tgt Ion: 85 Resp: 2029432

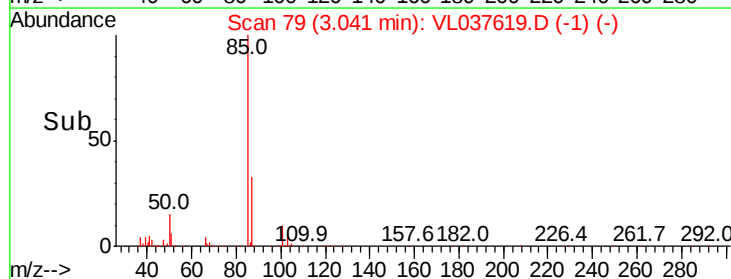
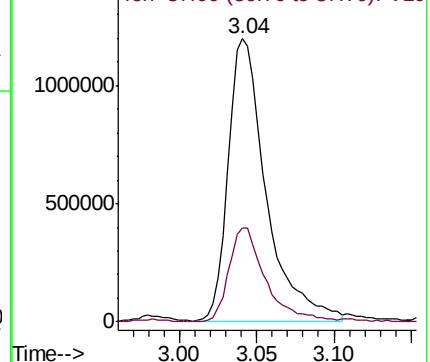
Ion Ratio Lower Upper

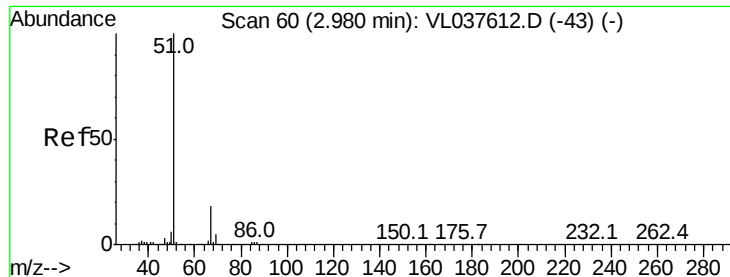
85 100

87 33.2 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0

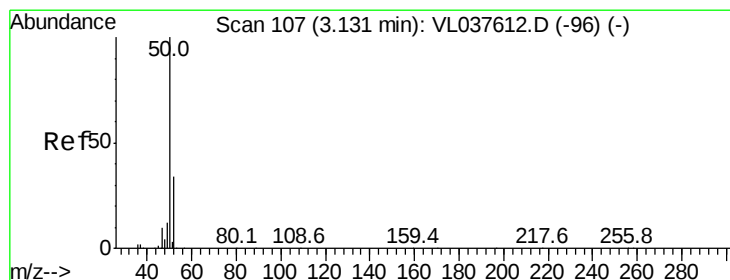
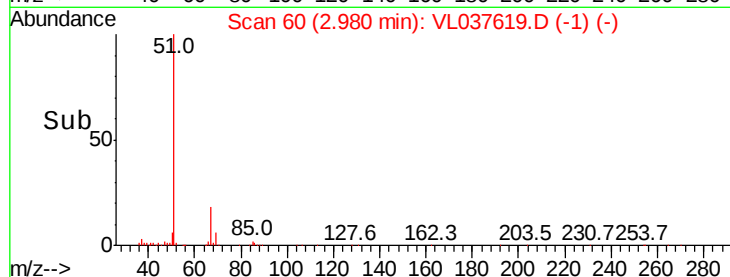
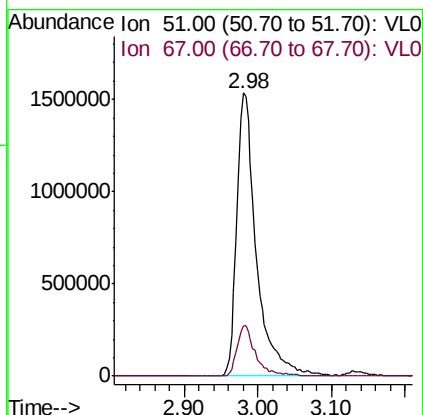
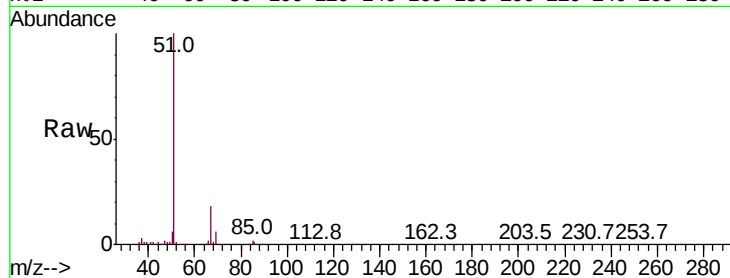




#3
Chlorodifluoromethane
Concen: 9.580 ppbv
RT: 2.98 min Scan# 60
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

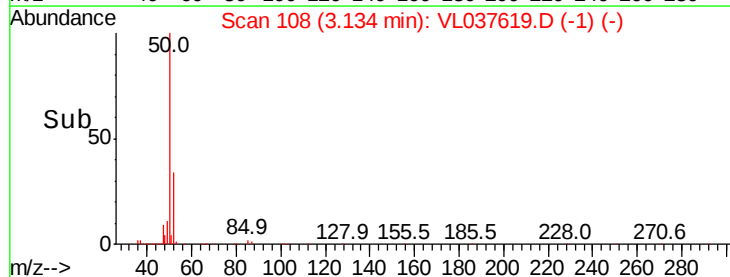
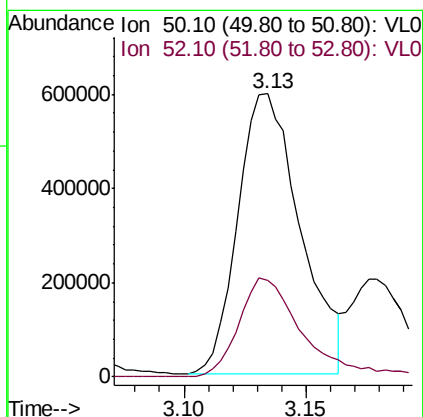
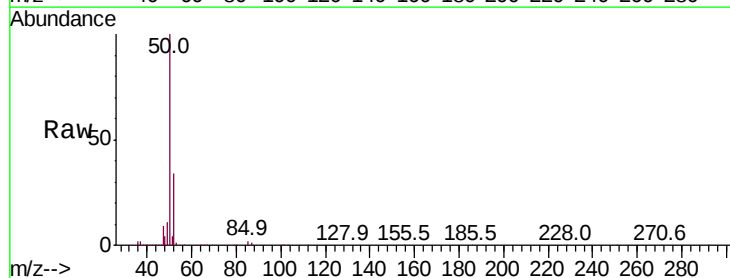
Instrument :
MSVOA_L
ClientSampleId :

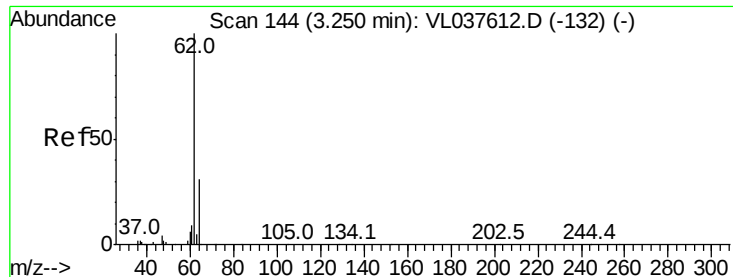
Tot Ion: 51 Resp: 2843234
Ion Ratio Lower Upper
51 100
67 17.2 14.0 21.0



#4
Chloromethane
Concen: 9.657 ppbv
RT: 3.13 min Scan# 108
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion: 50 Resp: 1058973
Ion Ratio Lower Upper
50 100
52 34.2 27.1 40.7





#5

Vinyl Chloride

Concen: 10.277 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

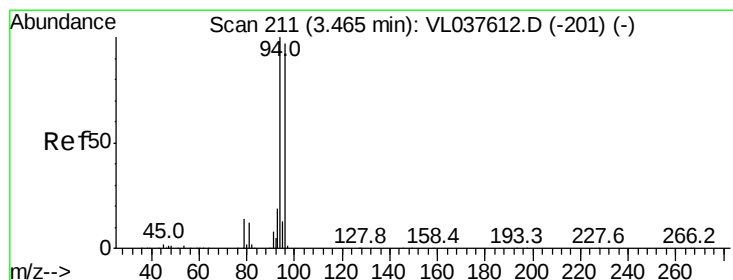
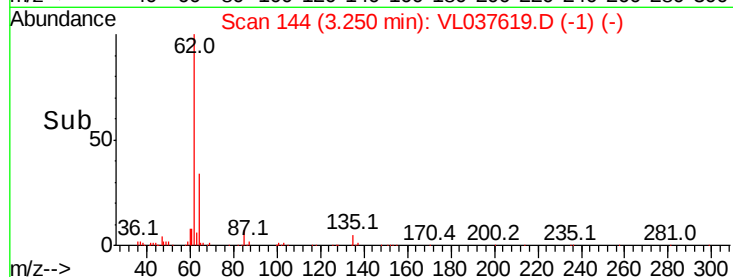
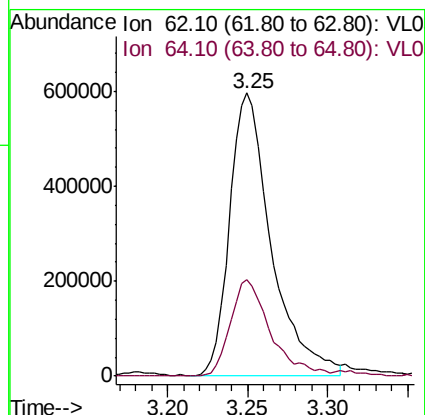
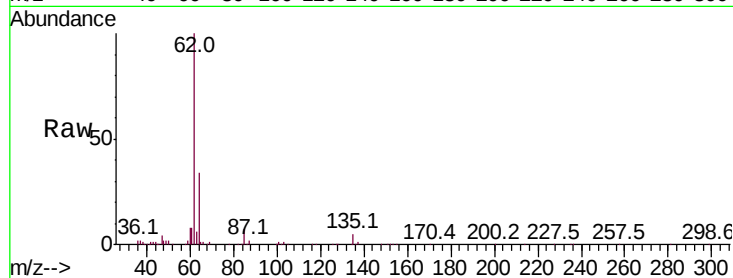
ClientSampleId :

Tot Ion: 62 Resp: 1058544

Ion Ratio Lower Upper

62 100

64 34.1 24.9 37.3



#6

Bromomethane

Concen: 10.135 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL037619.D

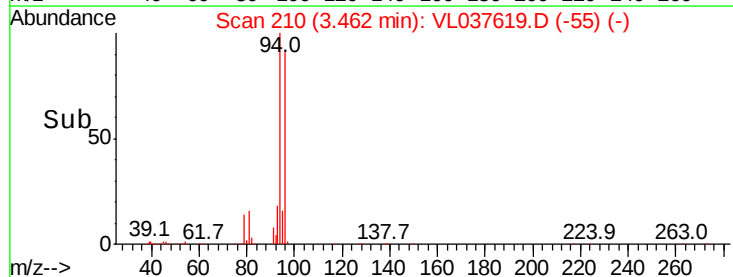
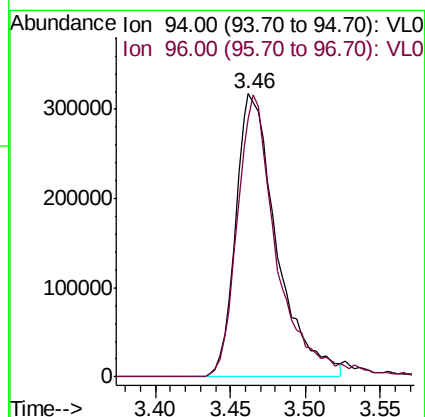
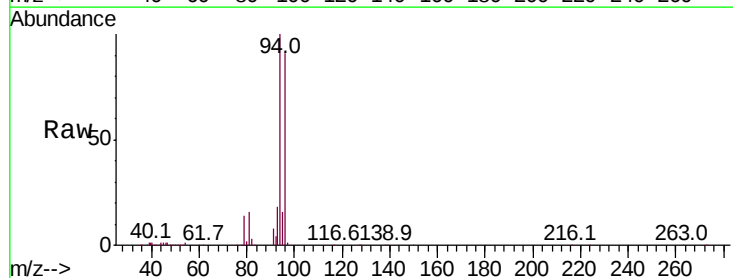
Acq: 16 Sep 2021 16:53

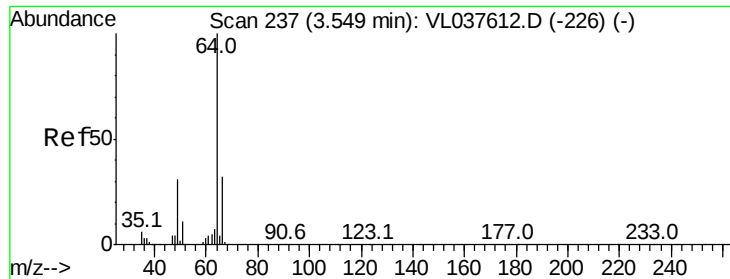
Tgt Ion: 94 Resp: 606735

Ion Ratio Lower Upper

94 100

96 91.0 77.3 115.9





#7

Chloroethane

Concen: 9.328 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

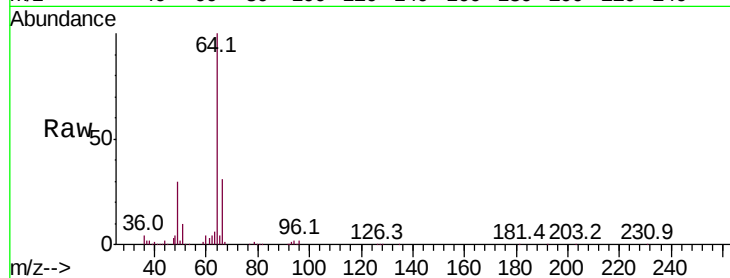
ClientSampleId :

Tot Ion: 64 Resp: 359081

Ion Ratio Lower Upper

64 100

66 30.8 25.3 37.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

100000

50000

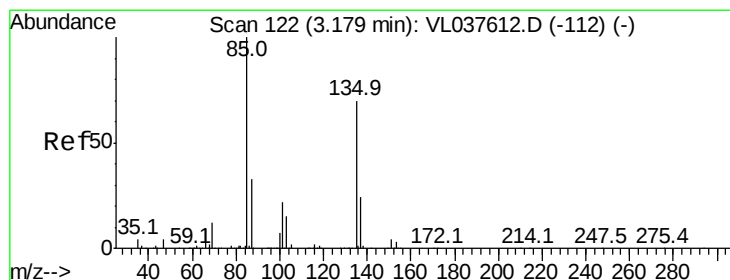
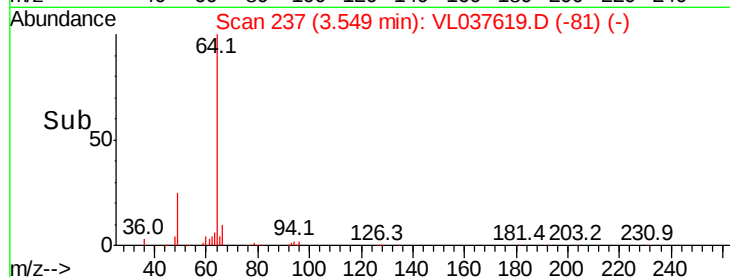
0

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.686 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037619.D

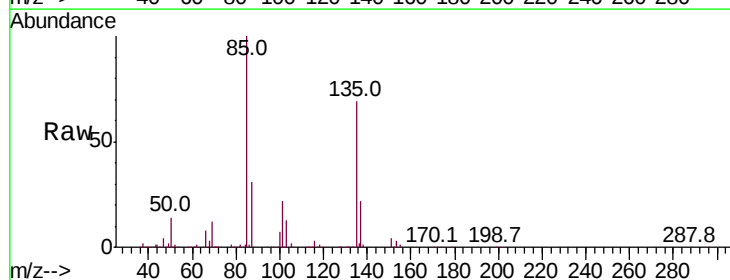
Acq: 16 Sep 2021 16:53

Tgt Ion: 85 Resp: 2379116

Ion Ratio Lower Upper

85 100

135 74.7 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

1000000

500000

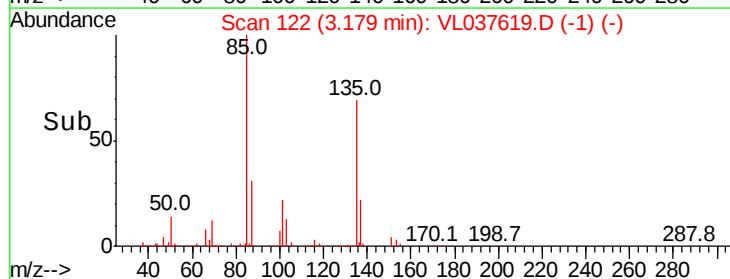
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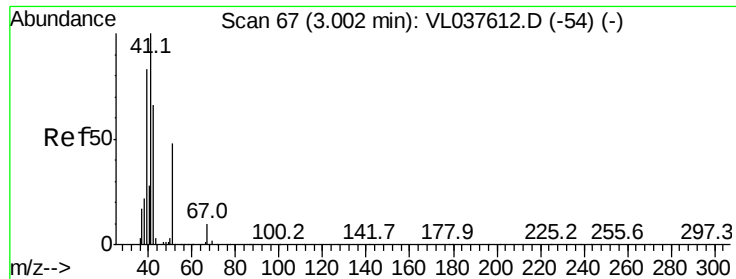
3.15

3.20

3.25

Time-->





#9

Propene

Concen: 9.879 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

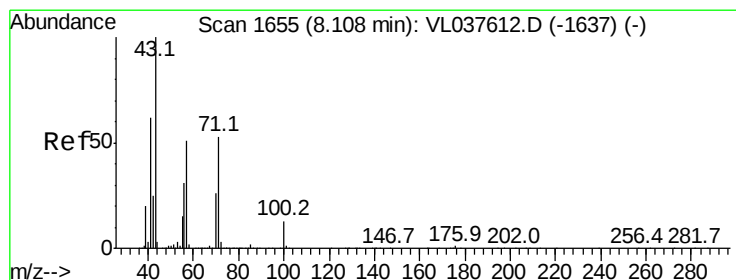
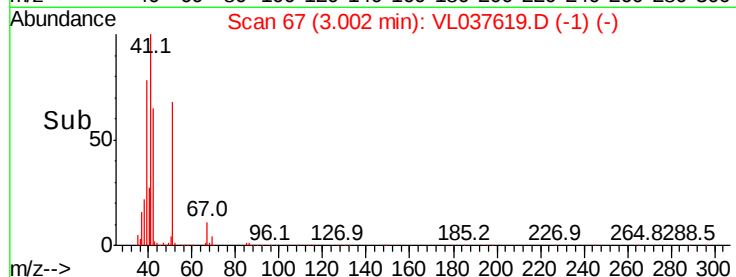
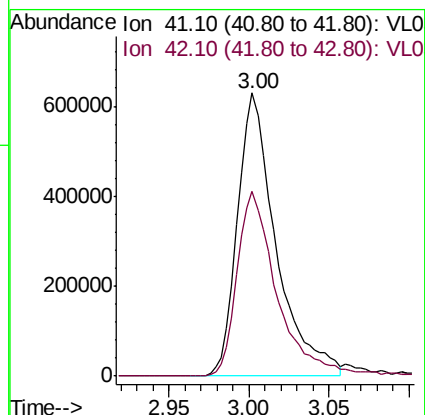
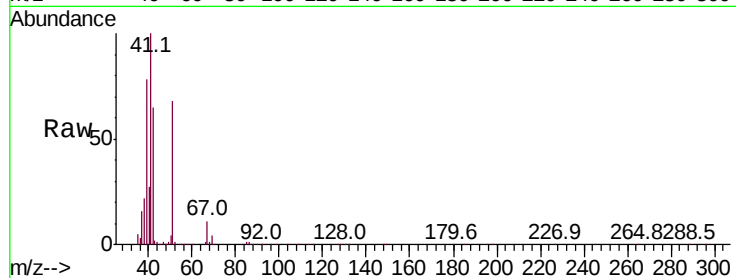
ClientSampleId :

Tot Ion: 41 Resp: 1034317

Ion Ratio Lower Upper

41 100

42 68.7 57.2 85.8



#10

Heptane

Concen: 10.596 ppbv

RT: 8.11 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL037619.D

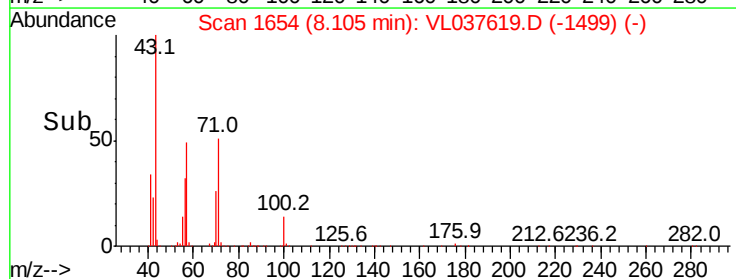
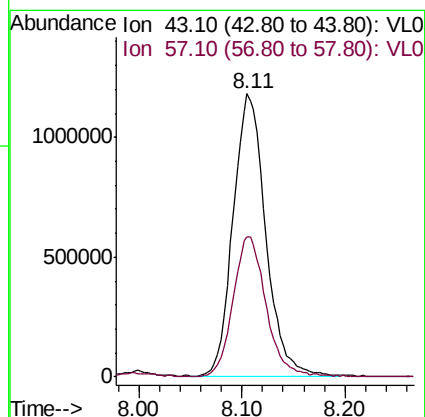
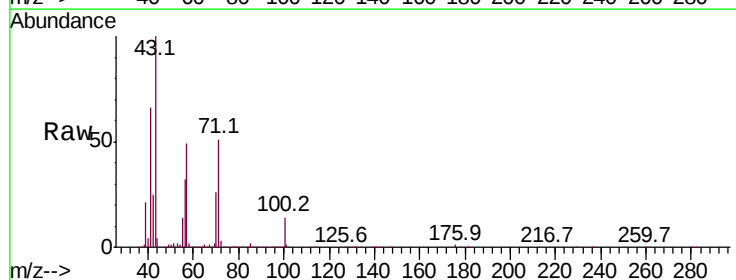
Acq: 16 Sep 2021 16:53

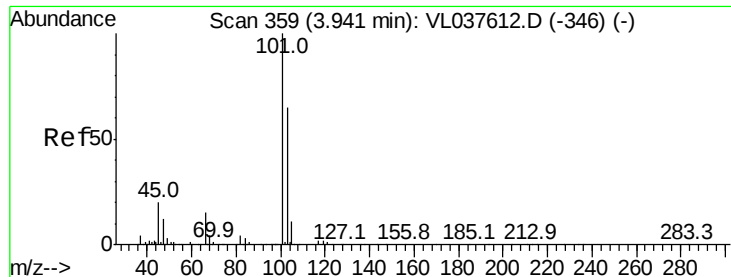
Tgt Ion: 43 Resp: 2588683

Ion Ratio Lower Upper

43 100

57 50.3 40.1 60.1





#11

Trichlorofluoromethane

Concen: 9.809 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

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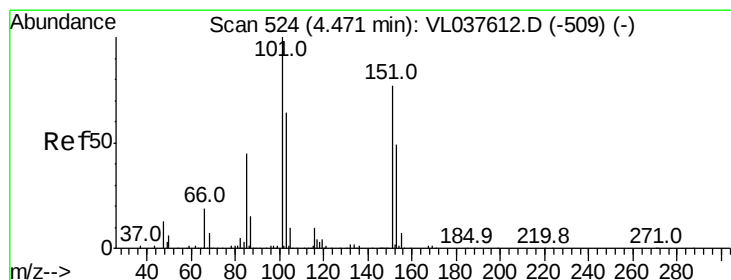
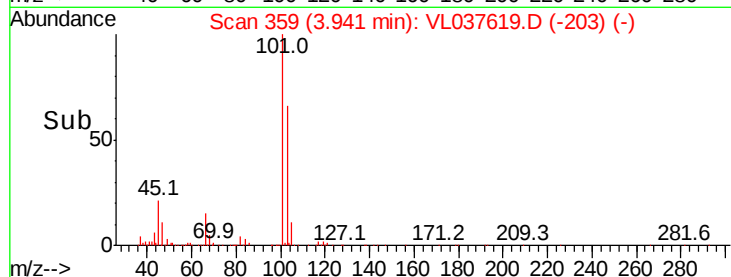
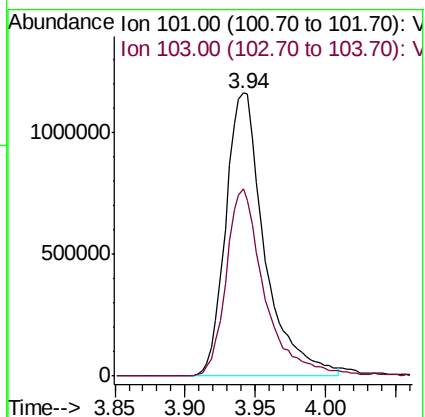
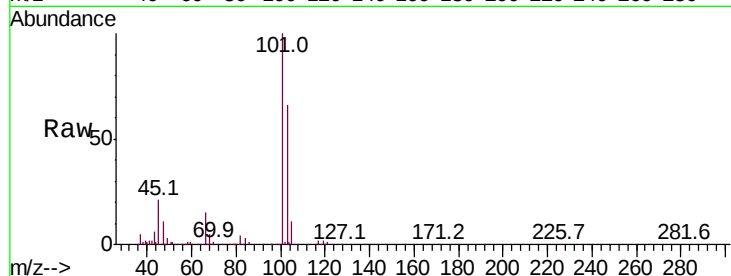
ClientSampleId :

Tot Ion:101 Resp: 2242414

Ion Ratio Lower Upper

101 100

103 66.4 51.9 77.9



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.002 ppbv

RT: 4.47 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL037619.D

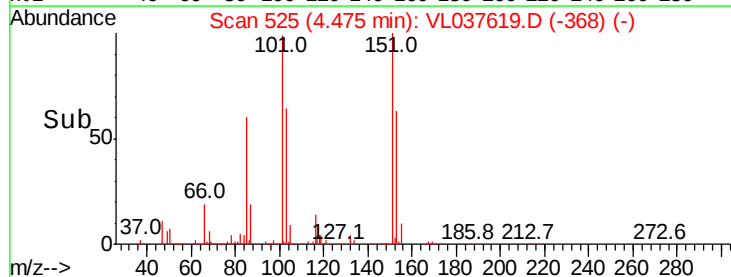
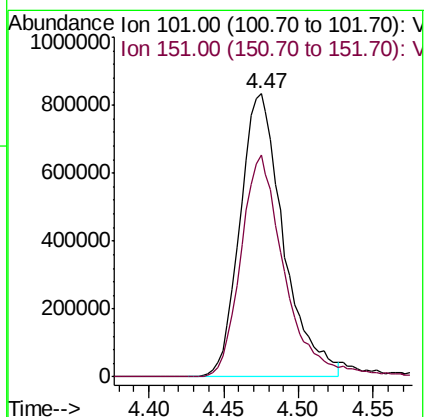
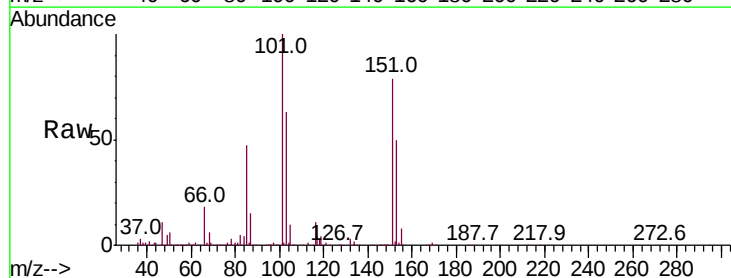
Acq: 16 Sep 2021 16:53

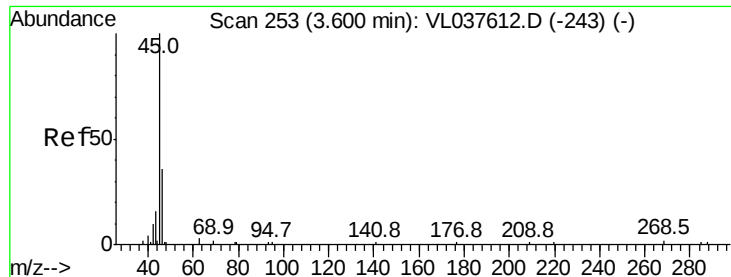
Tgt Ion:101 Resp: 1687760

Ion Ratio Lower Upper

101 100

151 79.7 63.5 95.3

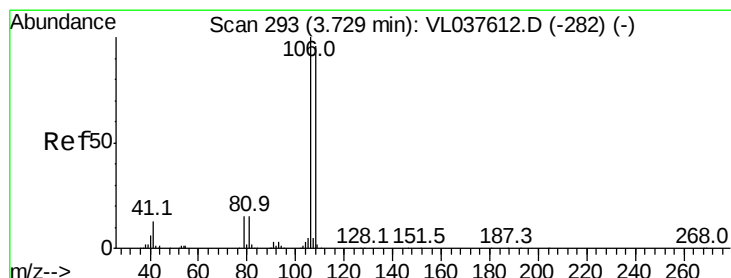
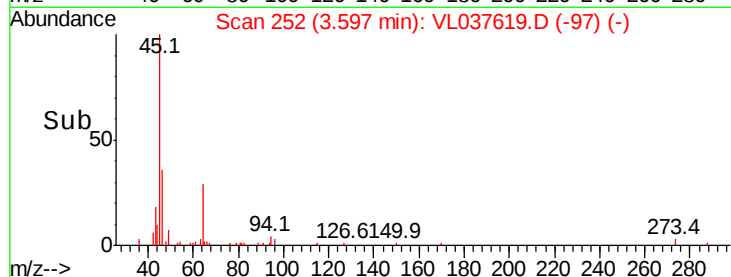
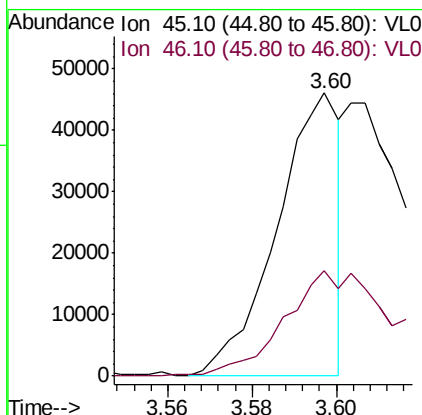
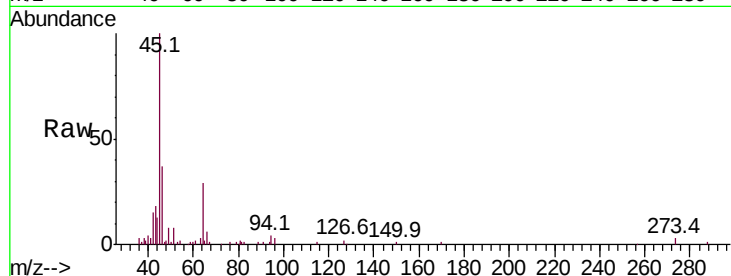




#13
Ethanol
Concen: 4.664 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

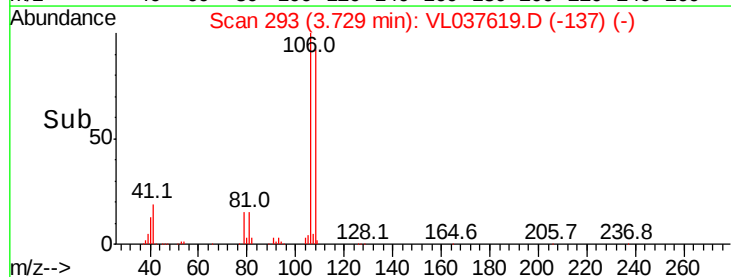
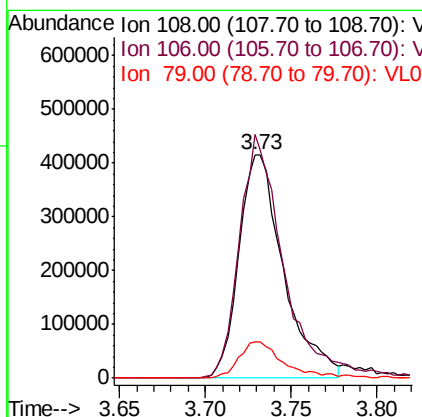
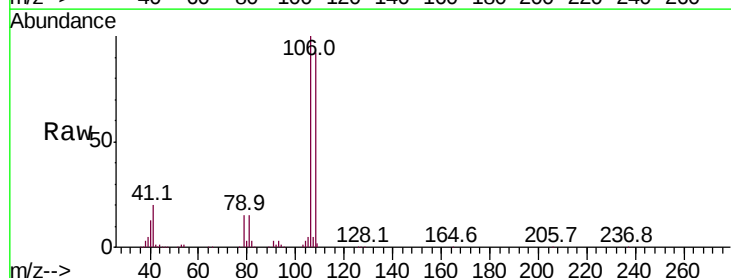
Instrument :
MSVOA_L
ClientSampled :

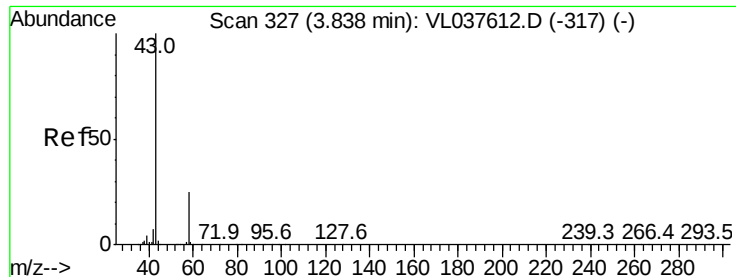
Tot Ion: 45 Resp: 47762
Ion Ratio Lower Upper
45 100
46 95.5 17.2 68.8#



#14
Bromoethene
Concen: 9.781 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion: 108 Resp: 751251
Ion Ratio Lower Upper
108 100
106 110.7 88.2 132.4
79 16.9 12.8 19.2





#15

Acetone

Concen: 7.795 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

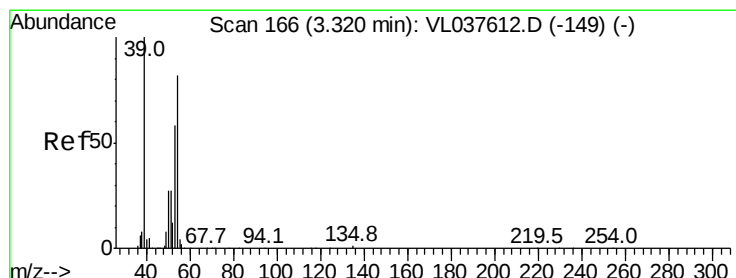
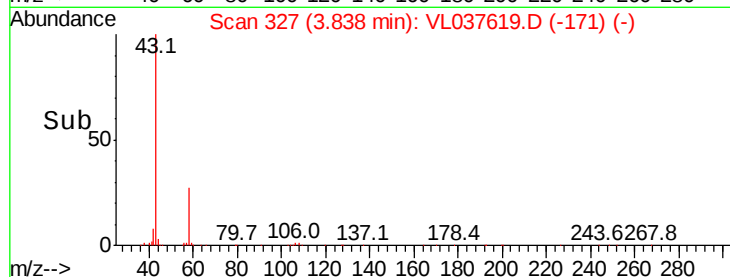
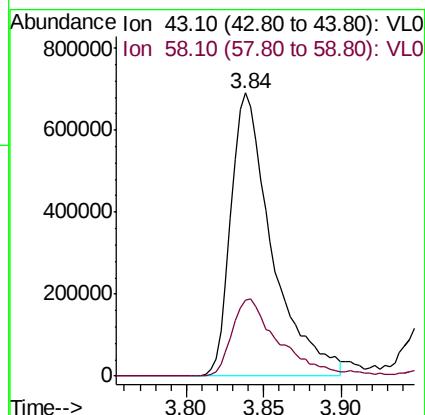
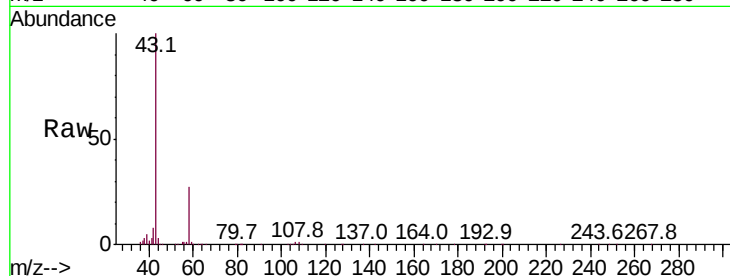
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1274471

Ion Ratio Lower Upper

43 100

58 31.7 24.9 37.3



#16

1,3-Butadiene

Concen: 10.335 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL037619.D

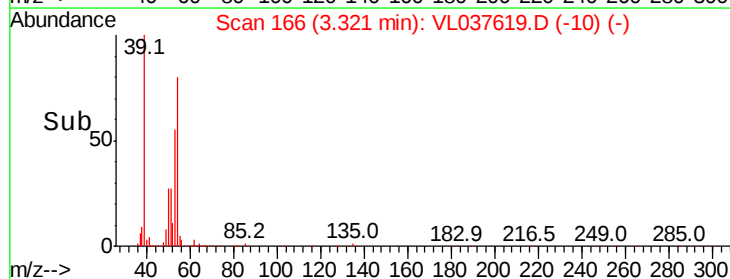
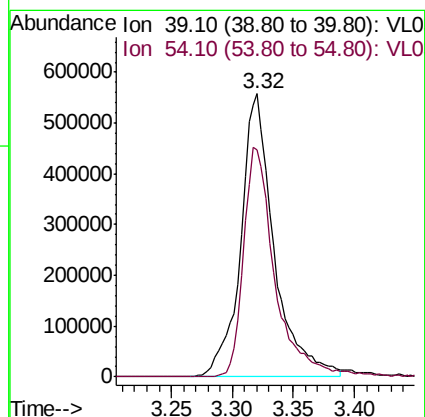
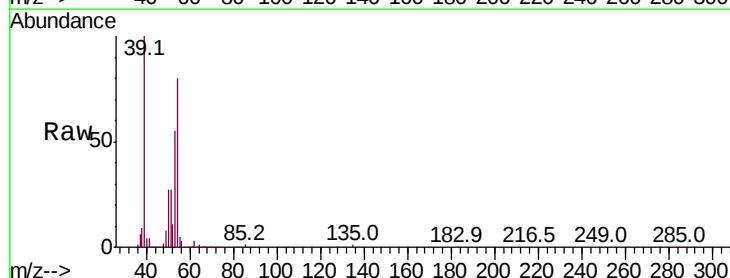
Acq: 16 Sep 2021 16:53

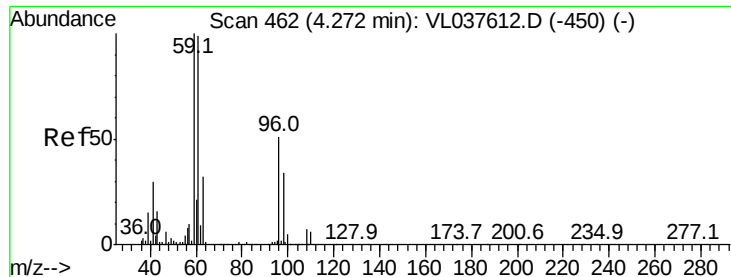
Tgt Ion: 39 Resp: 1055792

Ion Ratio Lower Upper

39 100

54 76.8 62.6 93.8



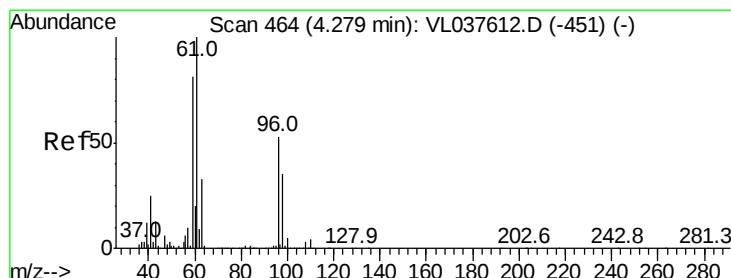
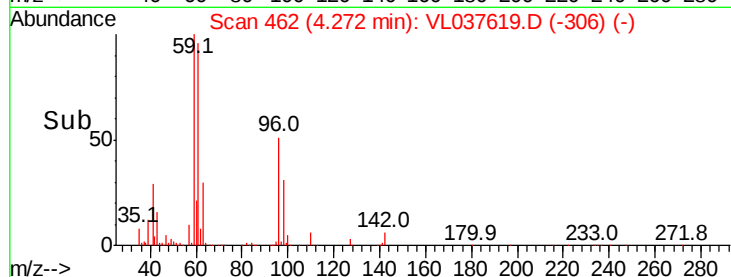
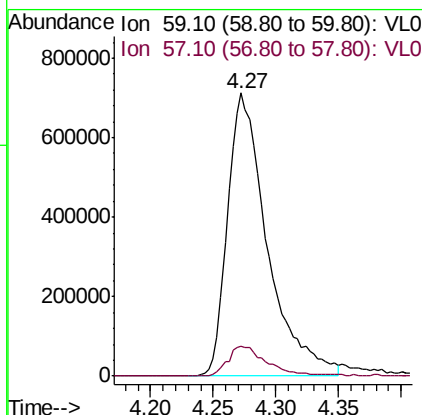
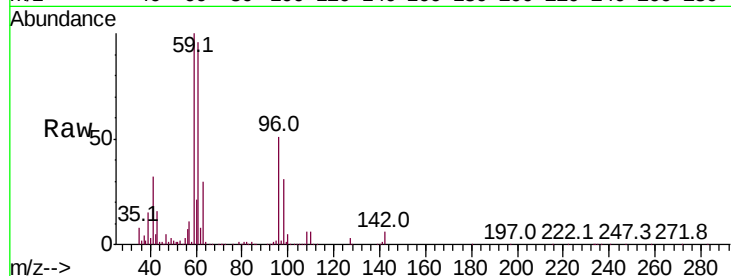


#17

tert-Butyl alcohol
 Concen: 11.341 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. 0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Instrument :
 MSVOA_L
 ClientSampleId :

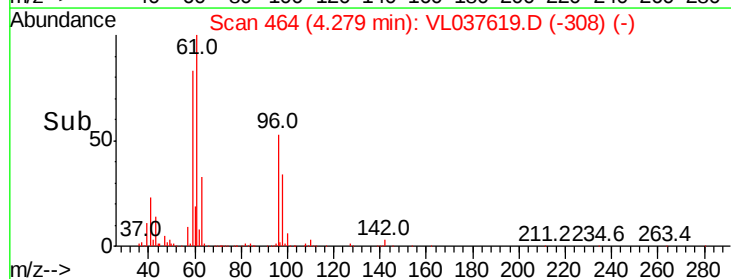
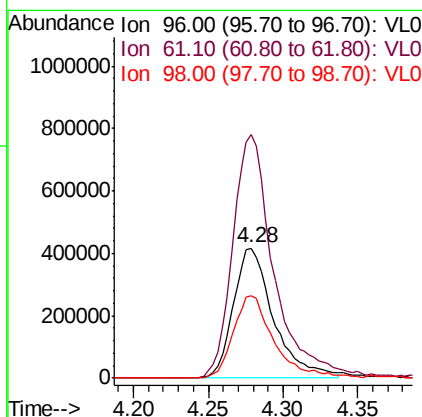
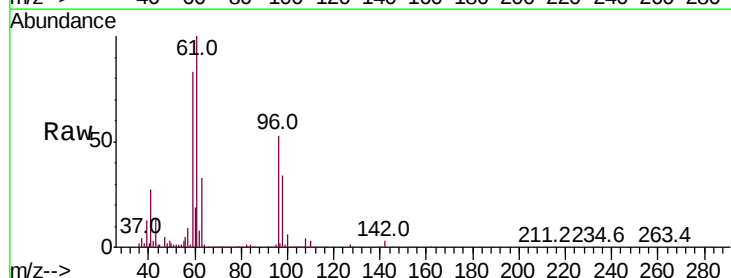
Tot Ion: 59 Resp: 1572249
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.4 12.6

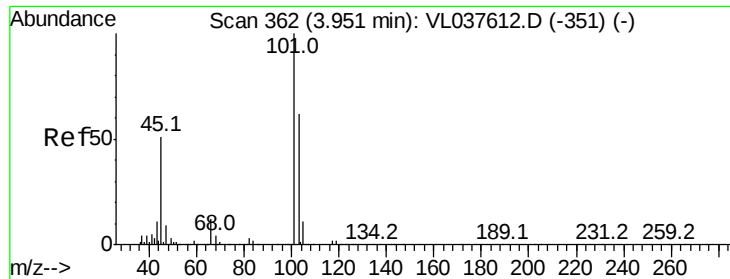


#18

1,1-Dichloroethene
 Concen: 9.960 ppbv
 RT: 4.28 min Scan# 464
 Delta R.T. 0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Tgt Ion: 96 Resp: 782883
 Ion Ratio Lower Upper
 96 100
 61 187.6 150.4 225.6
 98 63.0 52.1 78.1





#19

Isopropyl Alcohol

Concen: 10.325 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

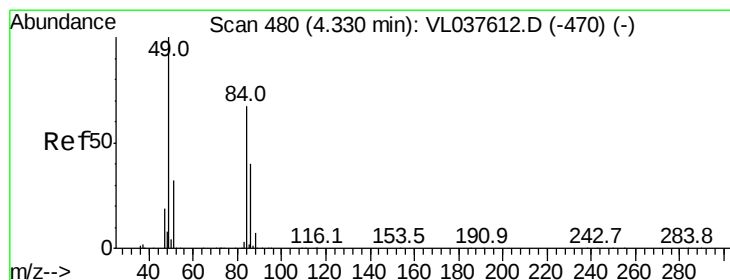
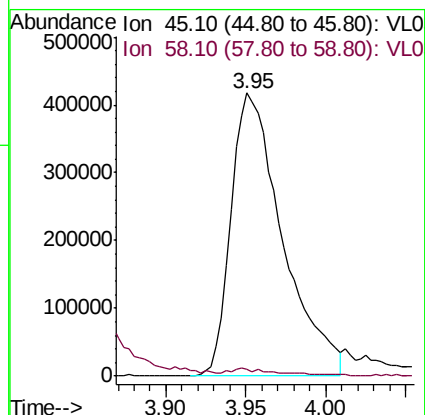
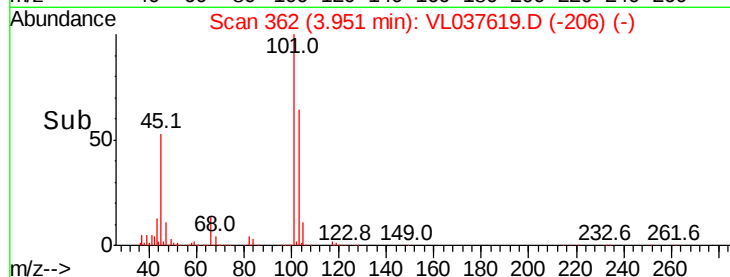
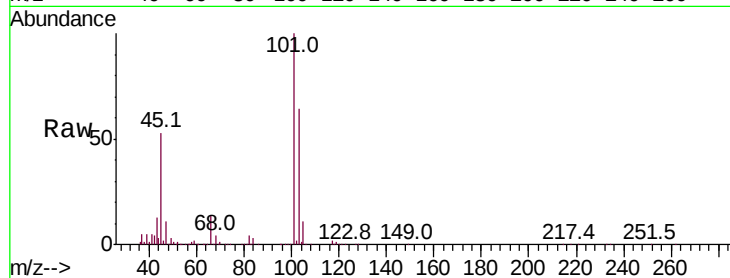
ClientSampleId :

Tot Ion: 45 Resp: 918497

Ion Ratio Lower Upper

45 100

58 2.8 2.9 4.3#



#20

Methylene Chloride

Concen: 8.500 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Tgt Ion: 84 Resp: 663457

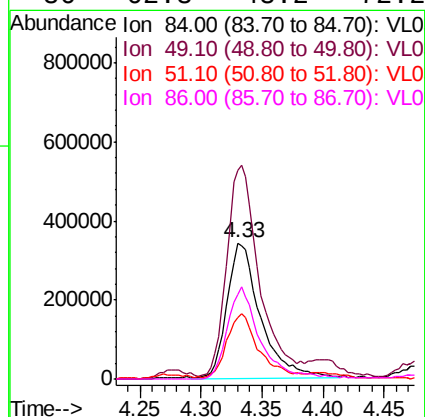
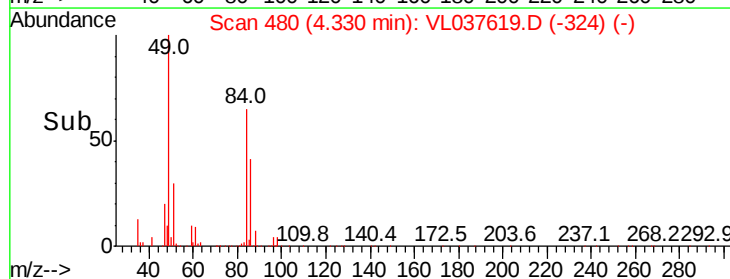
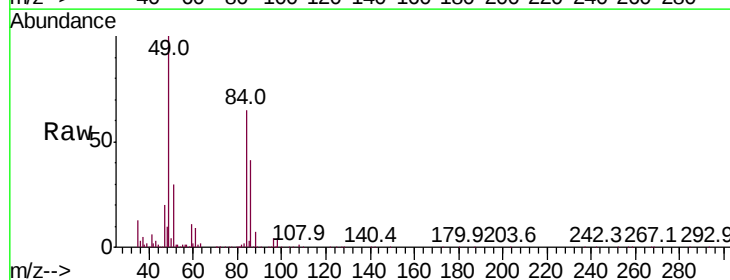
Ion Ratio Lower Upper

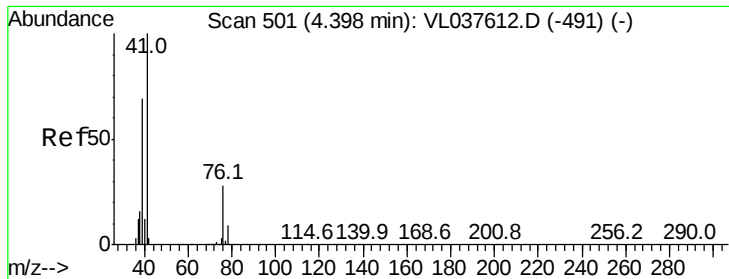
84 100

49 149.9 120.0 180.0

51 44.2 38.0 57.0

86 62.3 48.2 72.2





#21

Allvl Chloride

Concen: 10.340 ppbv

RT: 4.40 min Scan# 502

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :

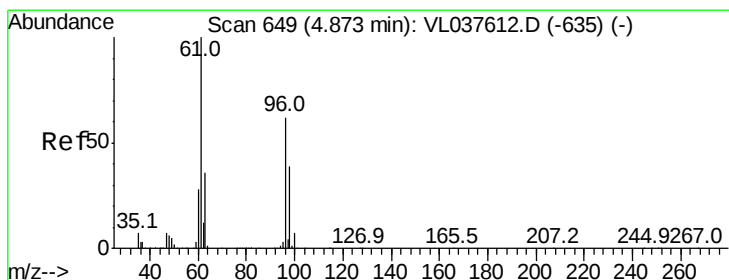
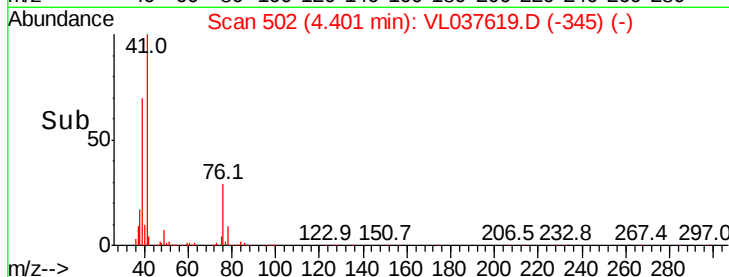
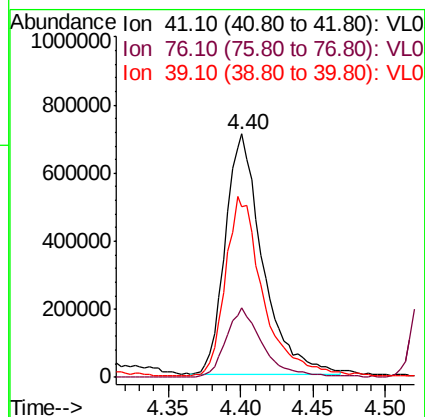
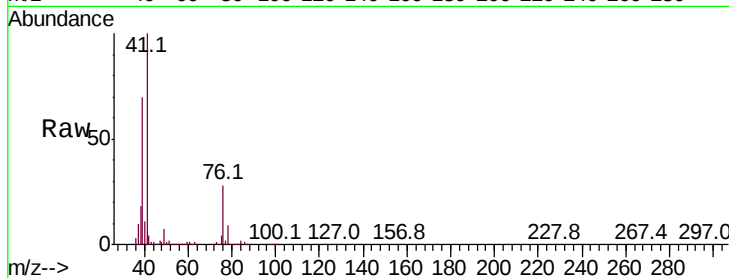
Tot Ion: 41 Resp: 1262880

Ion Ratio Lower Upper

41 100

76 28.9 23.1 34.7

39 75.7 61.0 91.6



#22

trans-1,2-Dichloroethene

Concen: 10.163 ppbv

RT: 4.87 min Scan# 648

Delta R.T. -0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

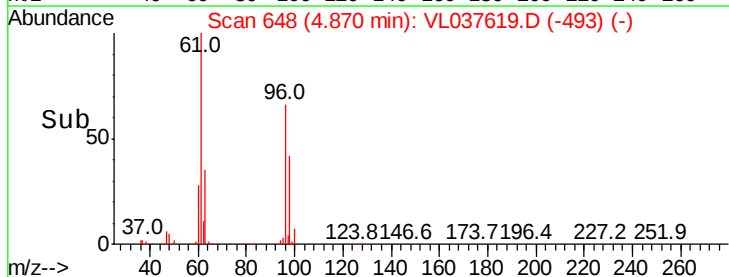
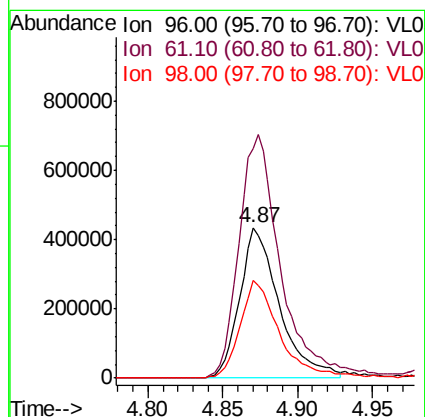
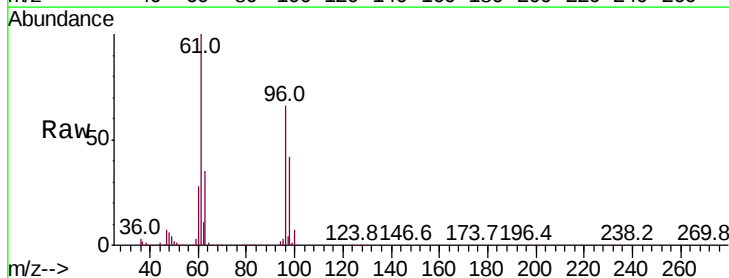
Tgt Ion: 96 Resp: 803734

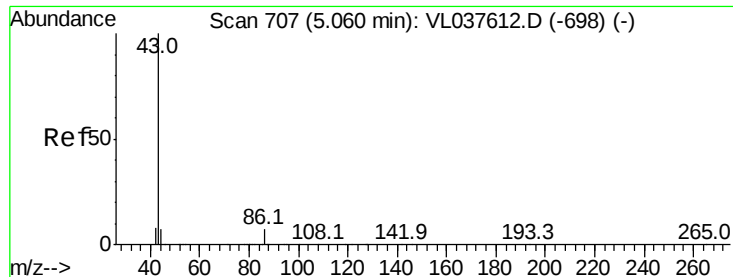
Ion Ratio Lower Upper

96 100

61 152.6 129.2 193.8

98 64.7 50.4 75.6





#23

Vinyl Acetate

Concen: 9.359 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.00 min

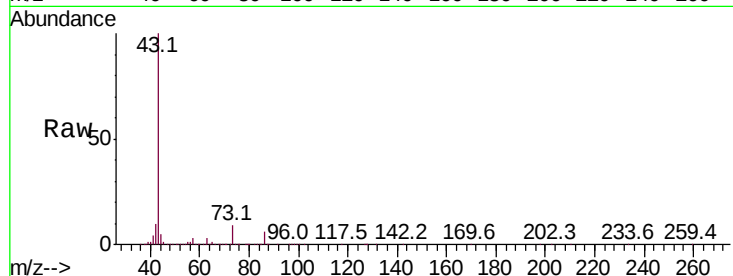
Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

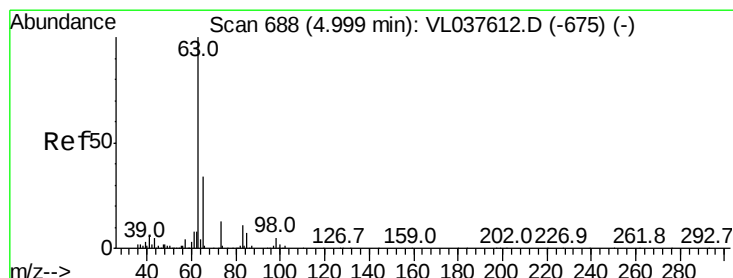
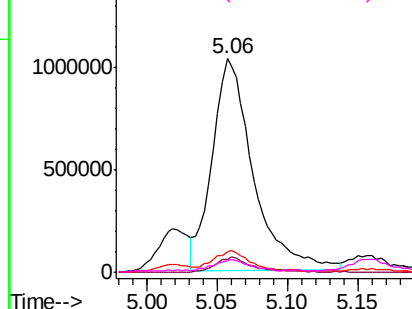
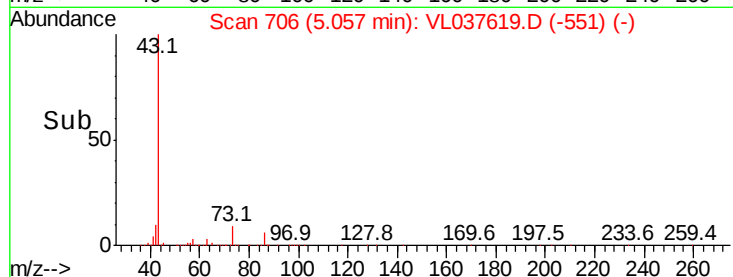
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2117386

Ion	Ratio	Lower	Upper
43	100		
86	6.0	5.0	7.6
42	9.4	7.5	11.3
44	4.7	4.7	7.1#



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



#24

1,1-Dichloroethane

Concen: 9.719 ppbv

RT: 5.00 min Scan# 688

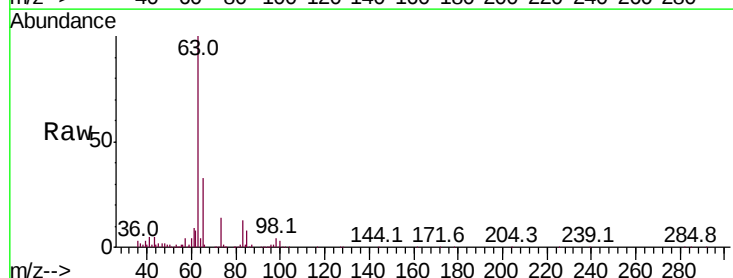
Delta R.T. 0.00 min

Lab File: VL037619.D

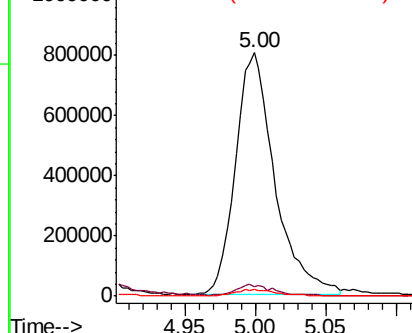
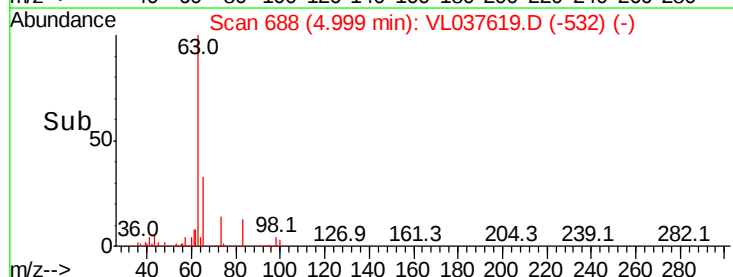
Acq: 16 Sep 2021 16:53

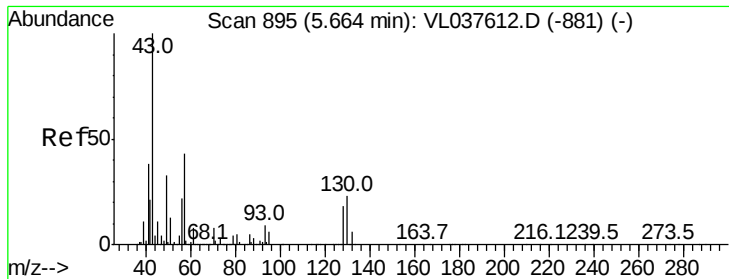
Tgt Ion: 63 Resp: 1575155

Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.4	7.2
100	2.5	1.1	3.5



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.218 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

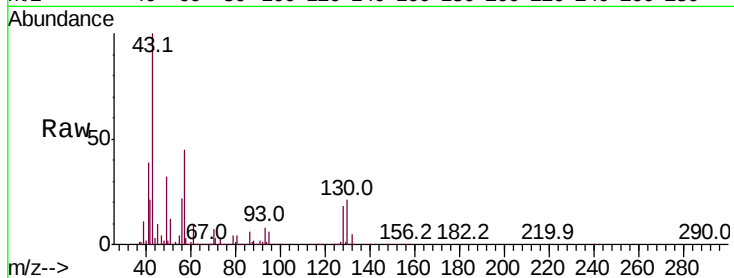
Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 4045857

Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	9.6	7.5	11.3
70	7.2	5.6	8.4



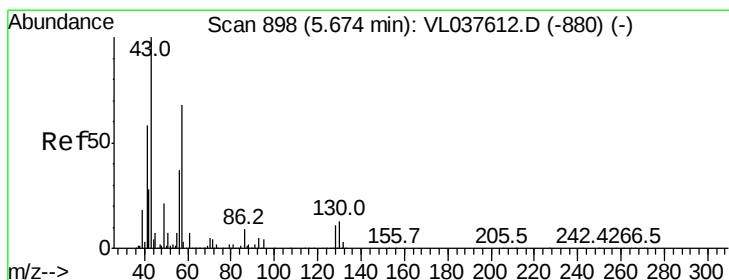
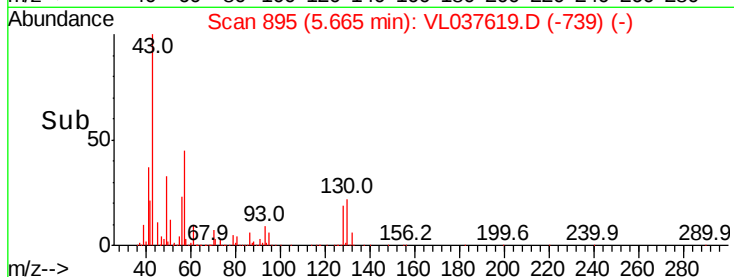
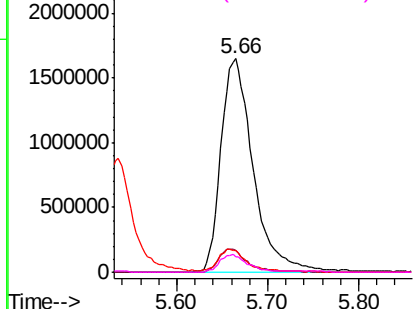
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.002 ppbv

RT: 5.67 min Scan# 897

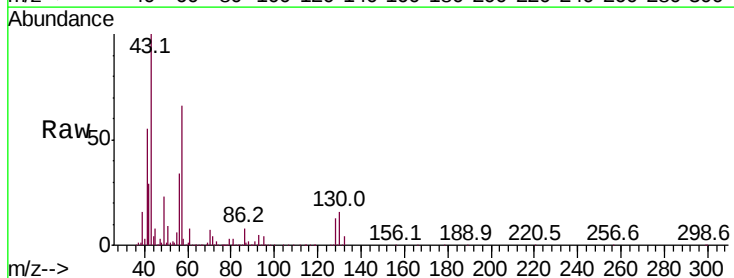
Delta R.T. -0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Tgt Ion: 57 Resp: 1881280

Ion	Ratio	Lower	Upper
57	100		
41	90.4	70.9	106.3
43	217.1	170.4	255.6
56	53.7	42.6	64.0



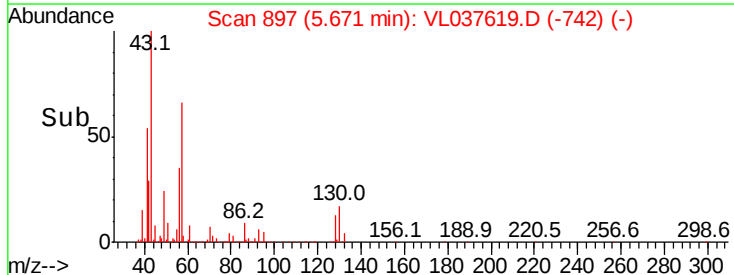
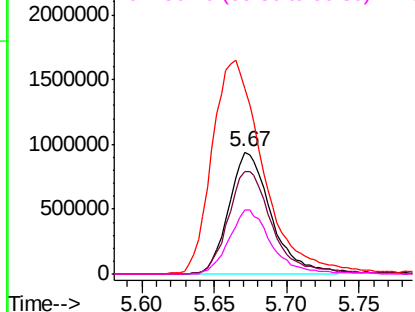
Abundance

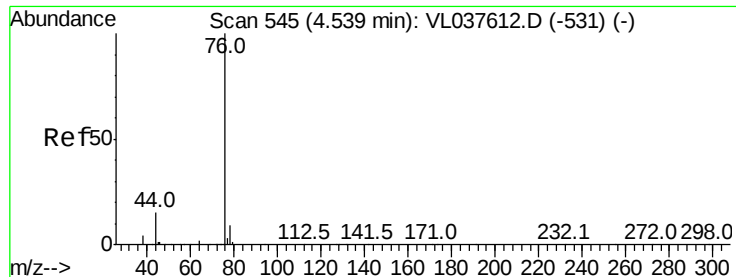
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.291 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

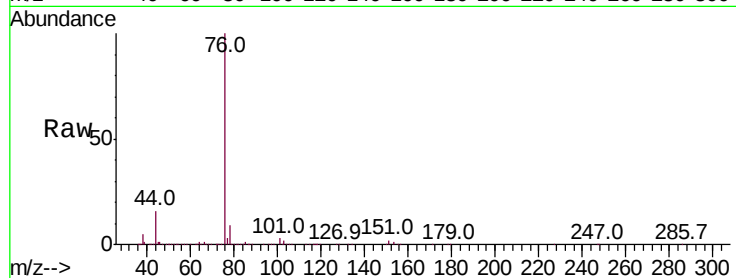
Tot Ion: 76 Resp: 1942886

Ion	Ratio	Lower	Upper
76	100		
44	17.7	14.2	21.2
78	9.8	7.4	11.0

76 100

44 17.7 14.2 21.2

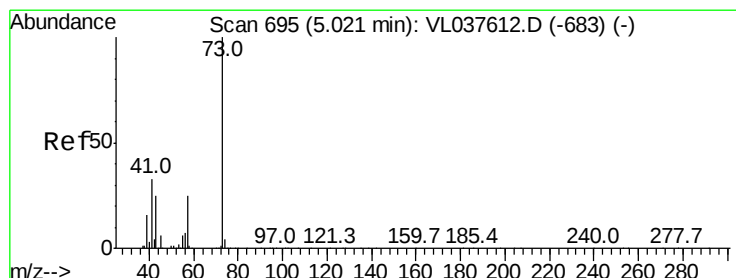
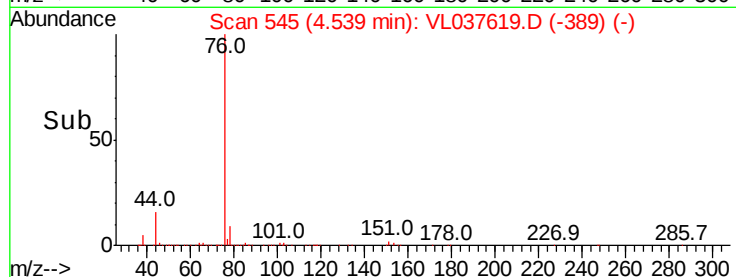
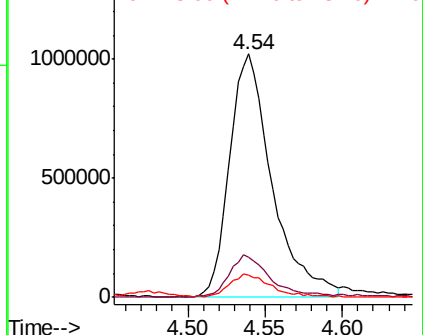
78 9.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.039 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL037619.D

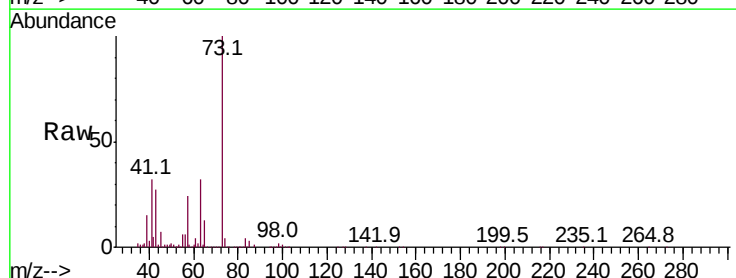
Acq: 16 Sep 2021 16:53

Tgt Ion: 73 Resp: 1663255

Ion	Ratio	Lower	Upper
73	100		
57	24.2	20.1	30.1

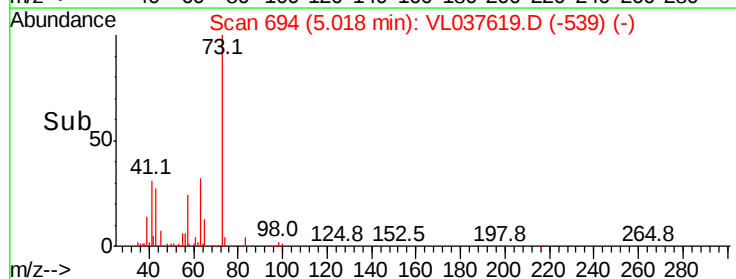
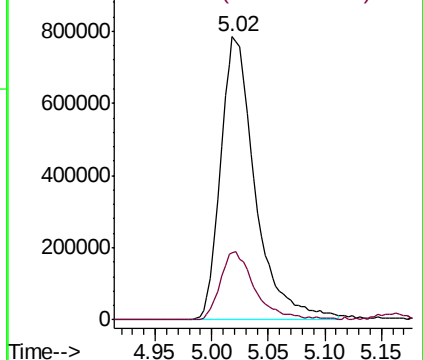
73 100

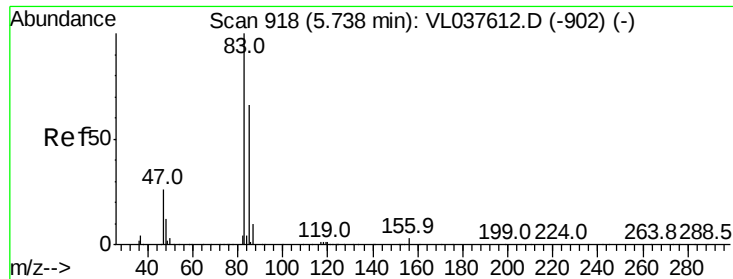
57 24.2 20.1 30.1



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

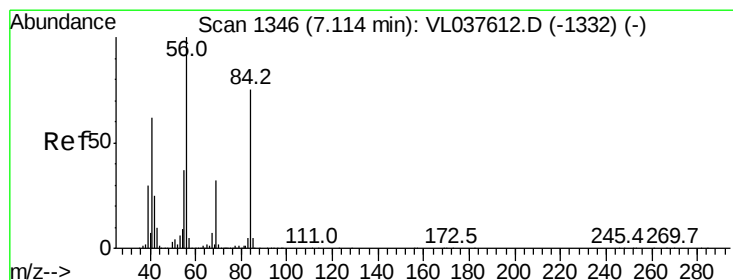
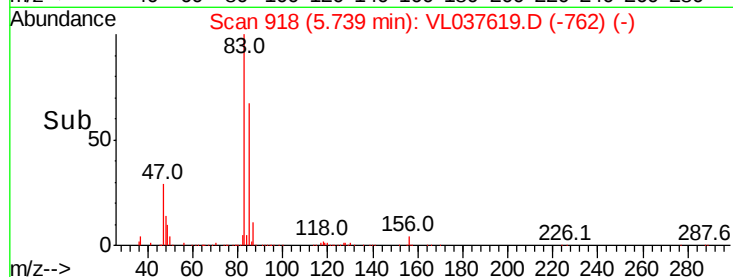
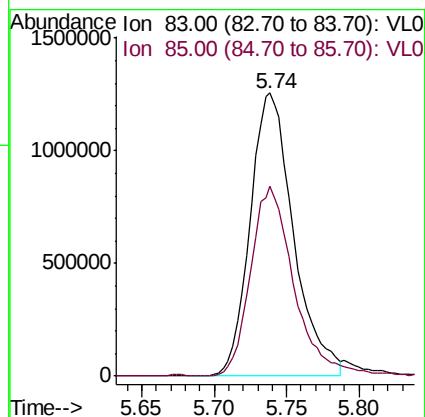
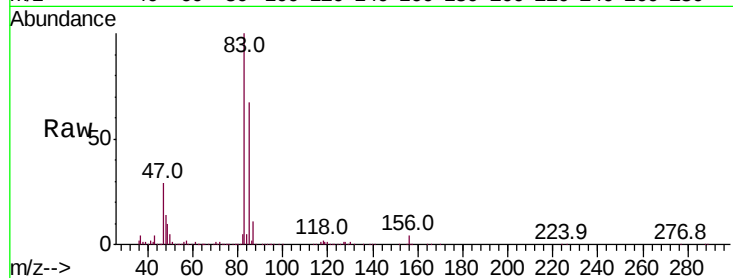




#29
Chloroform
Concen: 9.539 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

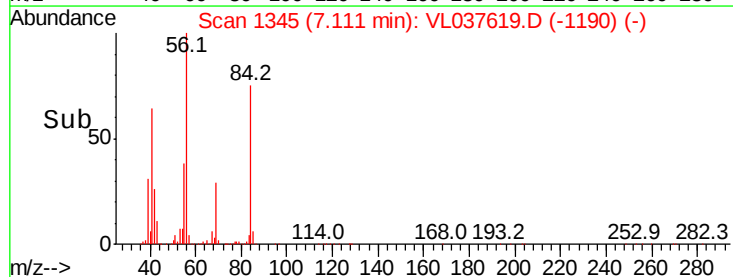
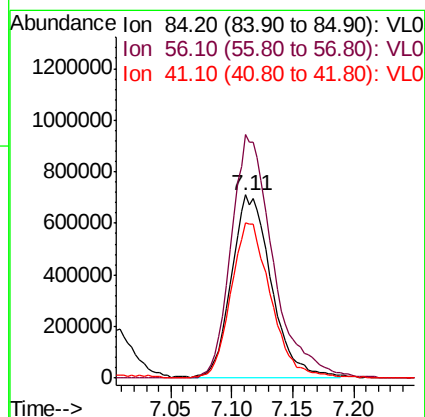
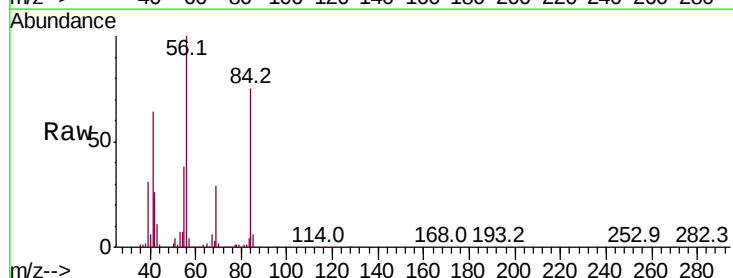
Instrument :
MSVOA_L
ClientSampleId :

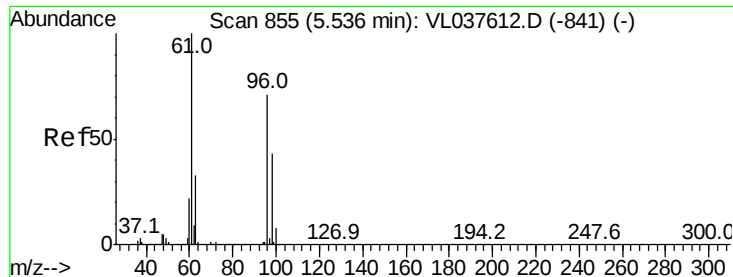
Tot Ion: 83 Resp: 2619824
Ion Ratio Lower Upper
83 100
85 66.8 52.6 79.0



#30
Cyclohexane
Concen: 9.878 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion: 84 Resp: 1589000
Ion Ratio Lower Upper
84 100
56 142.2 113.6 170.4
41 85.9 67.9 101.9



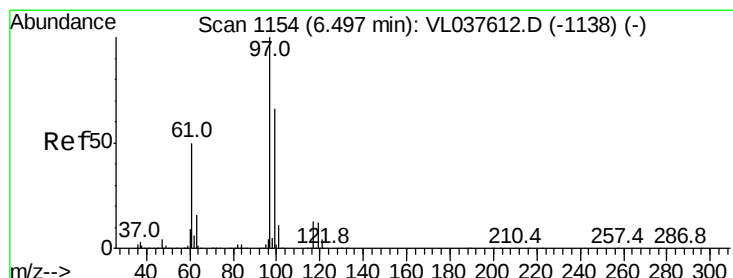
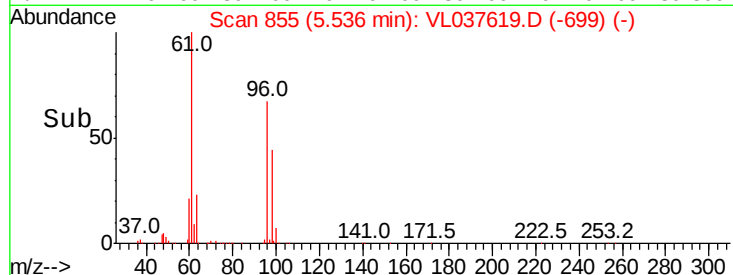
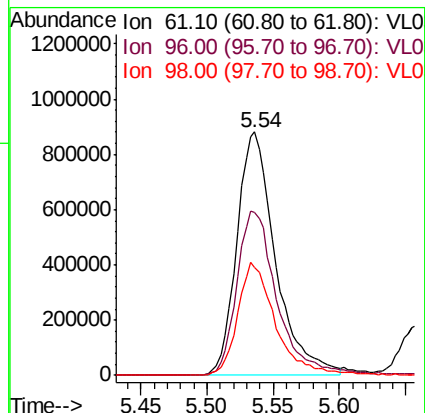
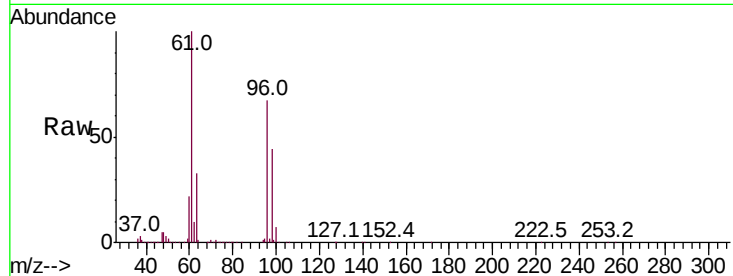


#31

cis-1,2-Dichloroethene
 Concen: 10.461 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Instrument :
 MSVOA_L
 ClientSampleId :

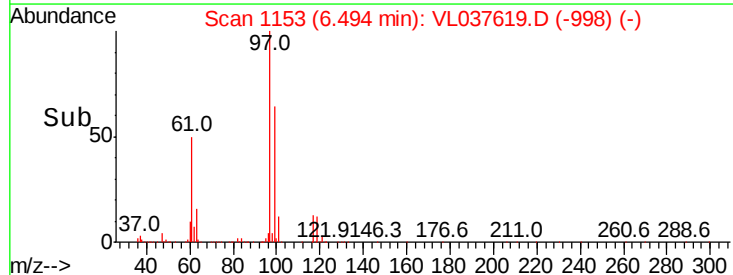
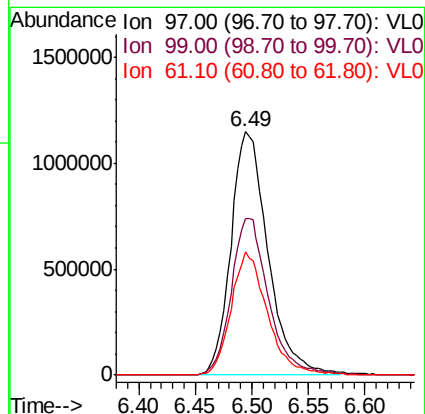
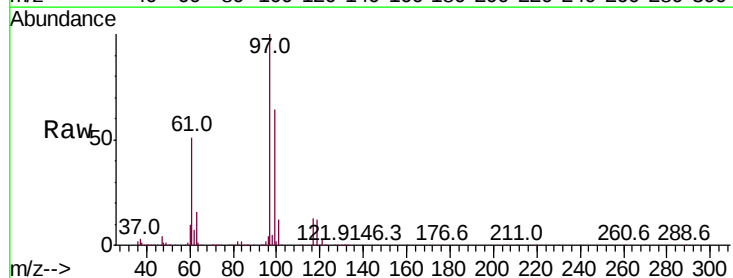
Tot Ion: 61 Resp: 1786323
 Ion Ratio Lower Upper
 61 100
 96 66.9 56.7 85.1
 98 44.1 34.6 52.0

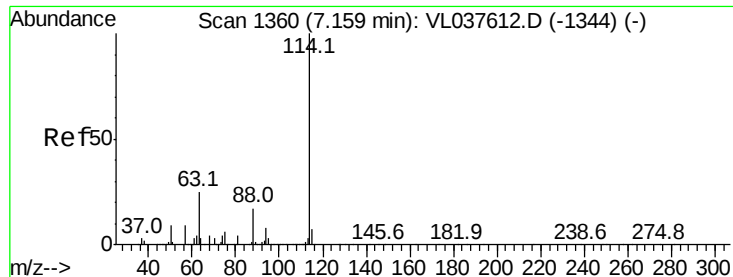


#32

1,1,1-Trichloroethane
 Concen: 10.262 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Tgt Ion: 97 Resp: 2623956
 Ion Ratio Lower Upper
 97 100
 99 64.8 52.3 78.5
 61 49.9 39.5 59.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. 0.00 min

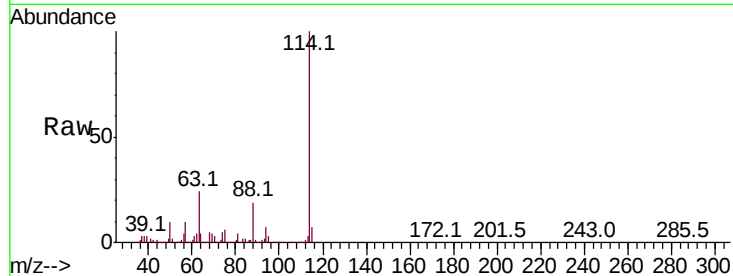
Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:114 Resp: 4804195

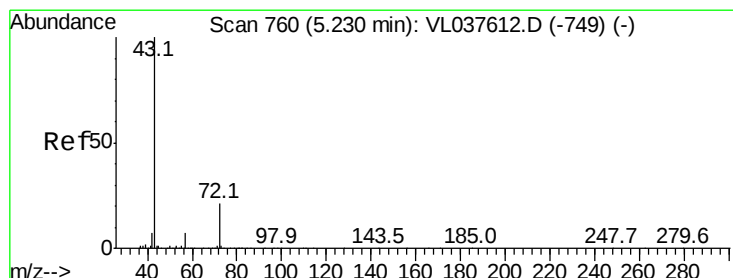
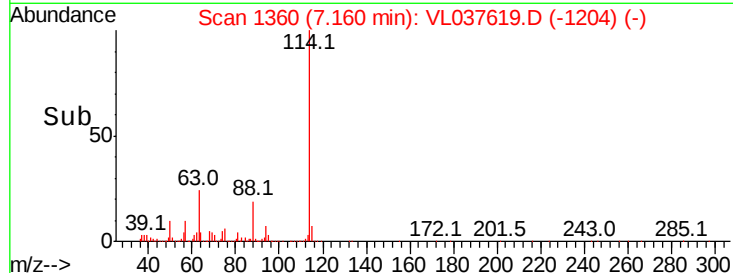
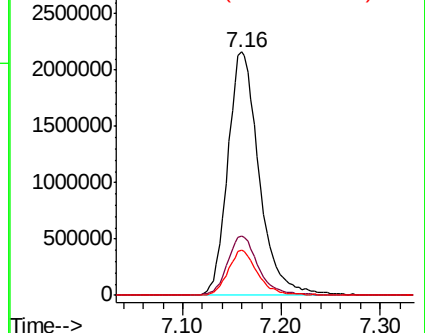
Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.6	29.4
88	17.7	14.2	21.4



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.953 ppbv

RT: 5.23 min Scan# 760

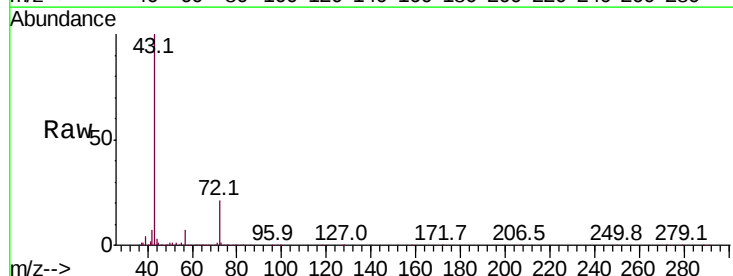
Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

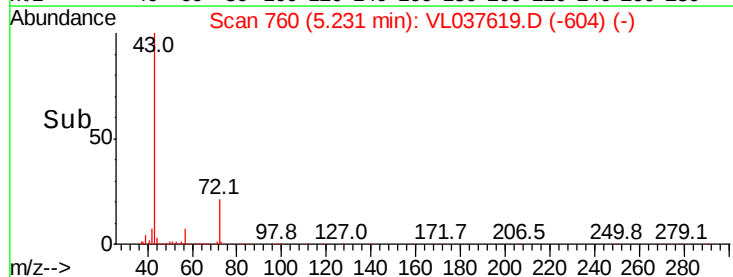
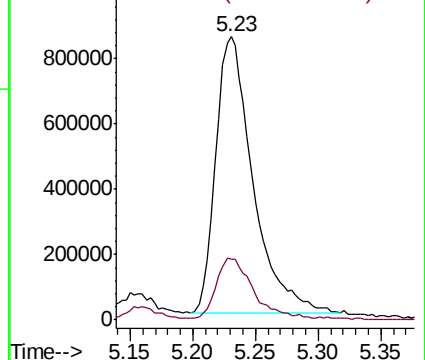
Tgt Ion: 43 Resp: 1747850

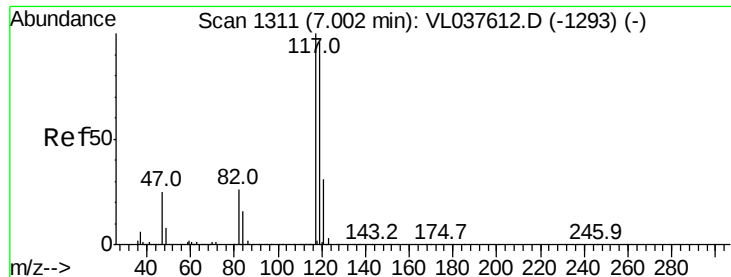
Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.4	27.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.902 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

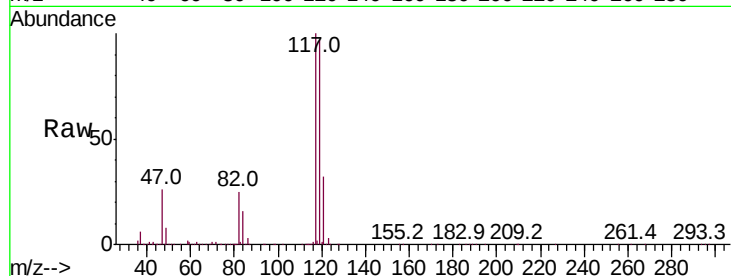
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:117 Resp: 2690988

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.0	115.6
121	32.2	24.5	36.7

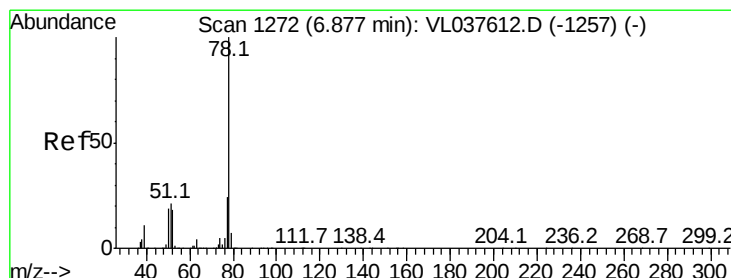
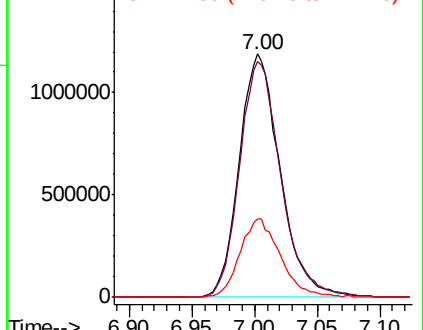
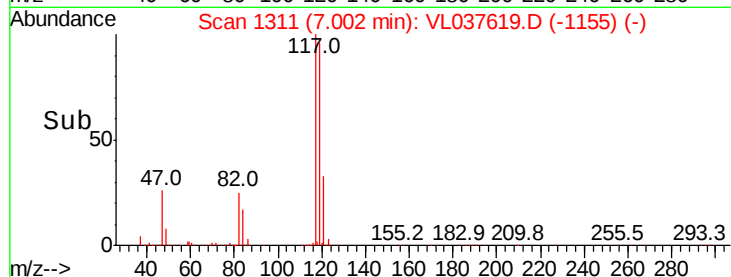


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.941 ppbv

RT: 6.88 min Scan# 1272

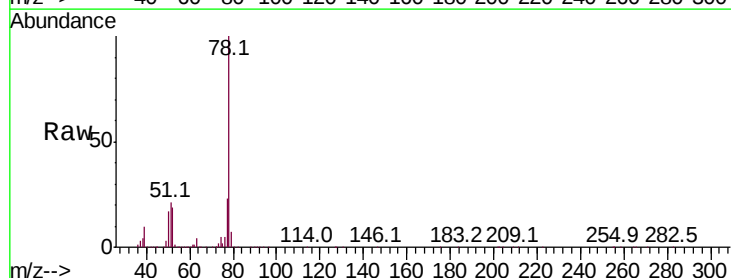
Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Tgt Ion: 78 Resp: 3982468

Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.0	28.4
50	17.0	14.8	22.2

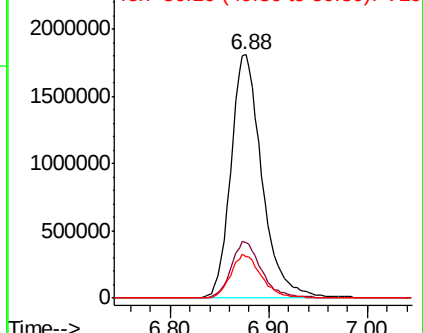
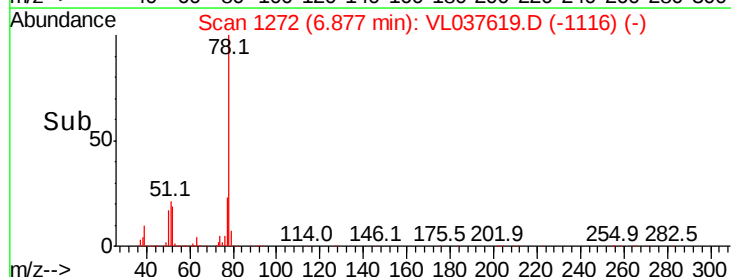


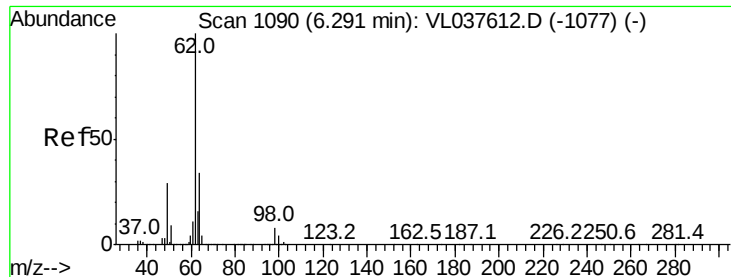
Abundance

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

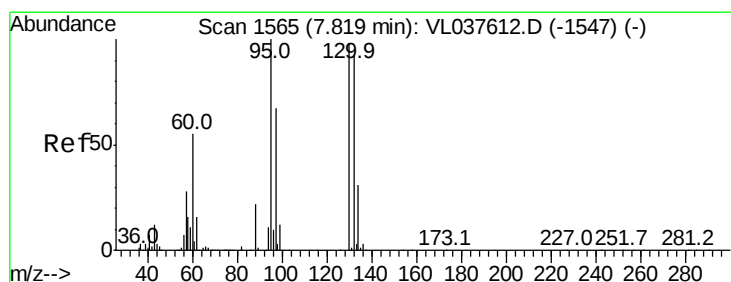
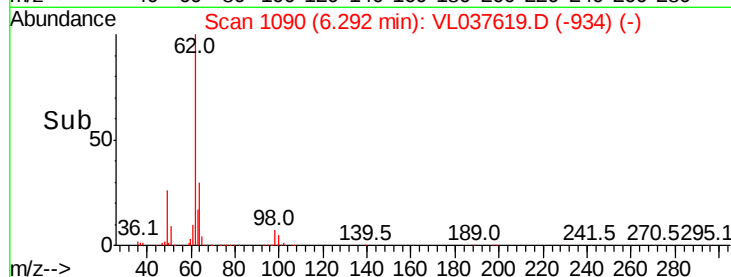
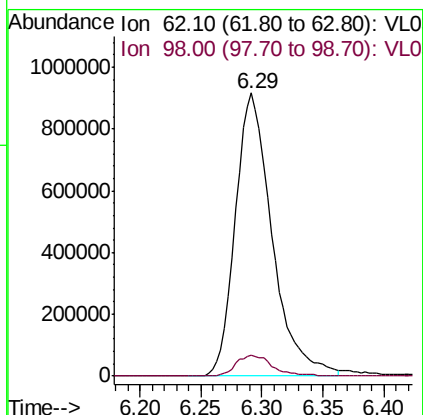
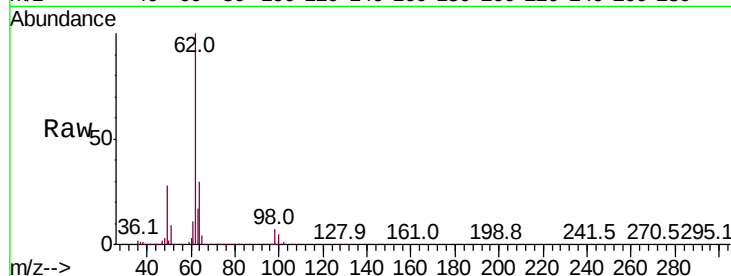




#37
1,2-Dichloroethane
Concen: 9.704 ppbv
RT: 6.29 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

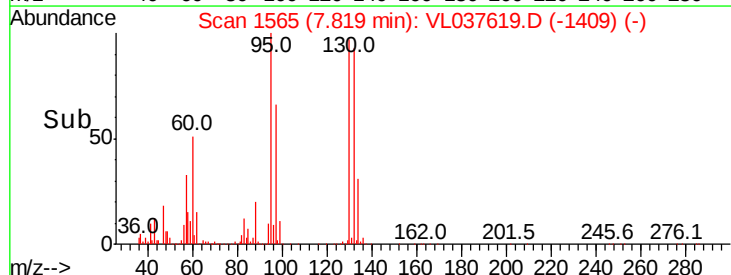
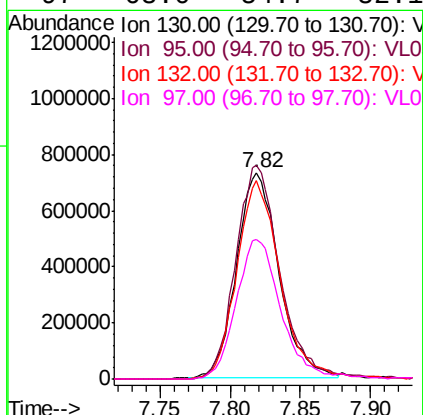
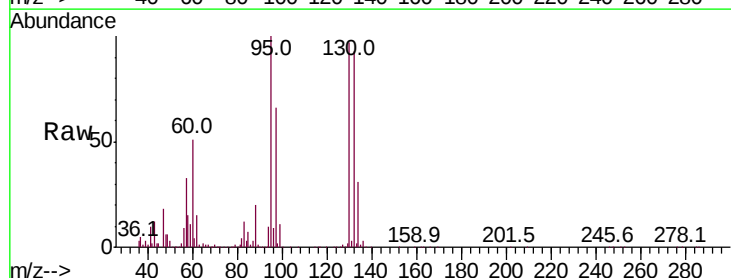
Instrument :
MSVOA_L
ClientSampled :

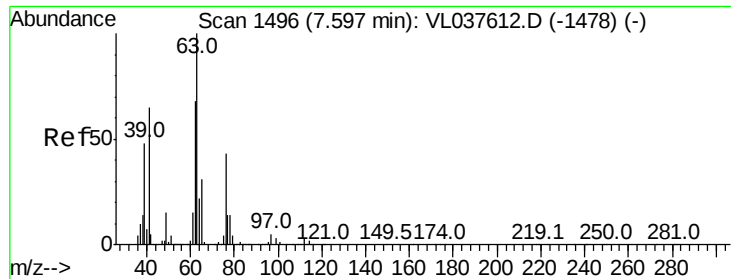
Tot Ion: 62 Resp: 1911997
Ion Ratio Lower Upper
62 100
98 7.5 6.1 9.1



#38
Trichloroethene
Concen: 9.246 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion:130 Resp: 1547210
Ion Ratio Lower Upper
130 100
95 103.6 81.8 122.6
132 96.4 75.3 112.9
97 68.0 54.7 82.1

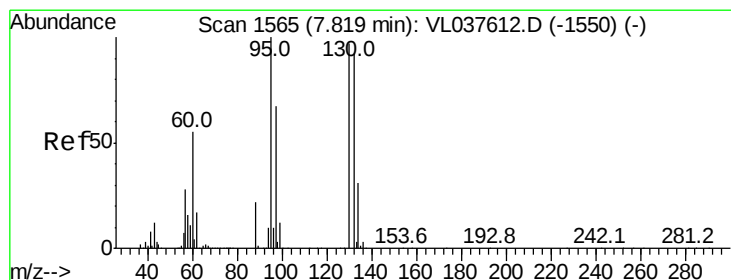
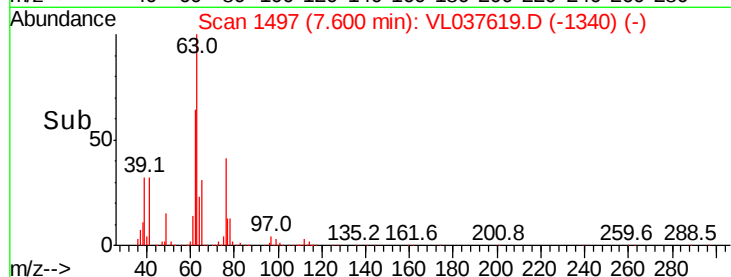
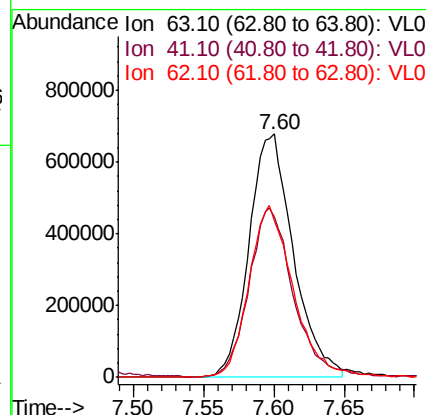
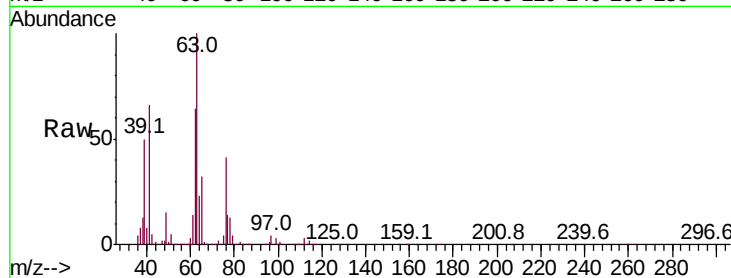




#39
 1,2-Dichloropropane
 Concen: 9.707 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. 0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

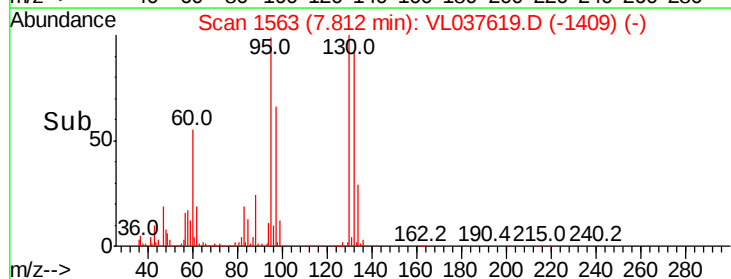
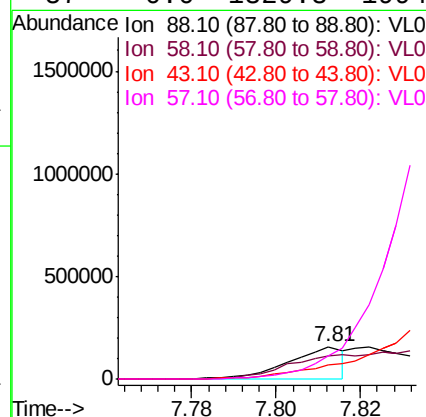
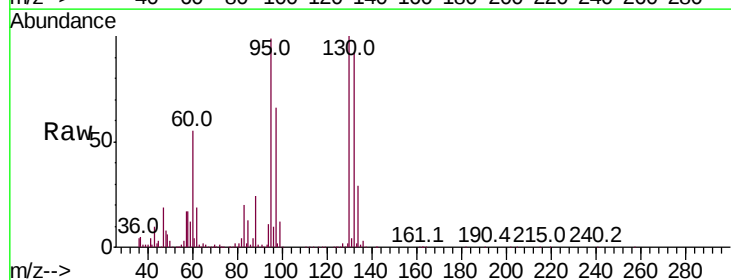
Instrument :
 MSVOA_L
 ClientSampleId :

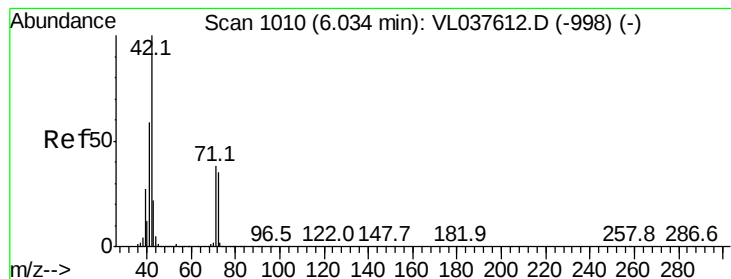
Tot Ion: 63 Resp: 1489498
 Ion Ratio Lower Upper
 63 100
 41 65.4 51.6 77.4
 62 64.1 54.6 81.8



#40
 1,4-Dioxane
 Concen: 3.730 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Tgt Ion: 88 Resp: 139221
 Ion Ratio Lower Upper
 88 100
 58 0.0 122.4 183.6#
 43 0.0 297.4 446.0#
 57 0.0 1329.8 1994.8#





#41

Tetrahydrofuran

Concen: 10.169 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :
MSVOA_L
ClientSampled :

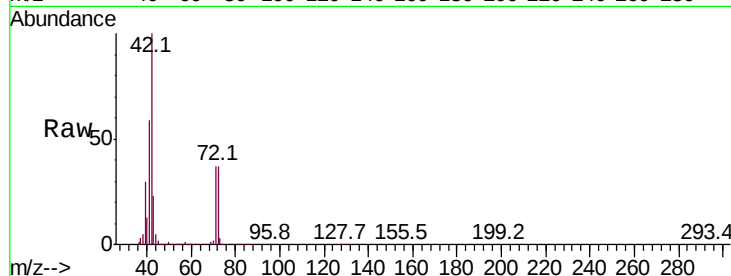
Tot Ion: 42 Resp: 933289

Ion Ratio Lower Upper

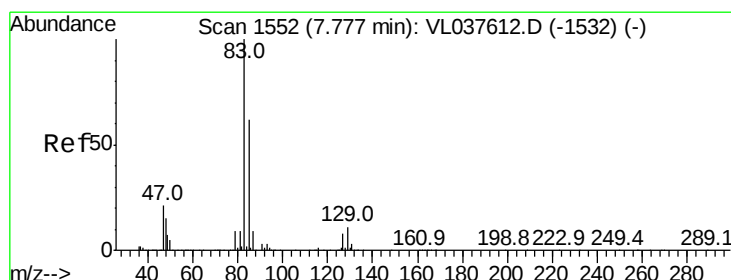
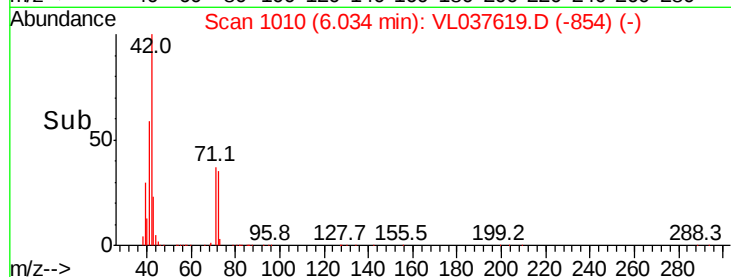
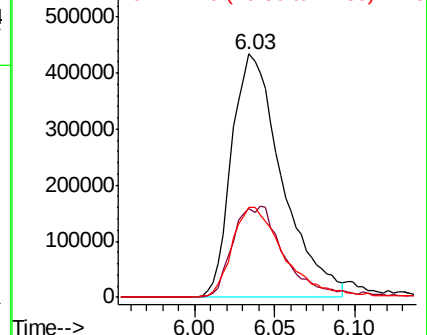
42 100

72 40.0 31.4 47.2

71 39.2 30.6 46.0



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.119 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. -0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

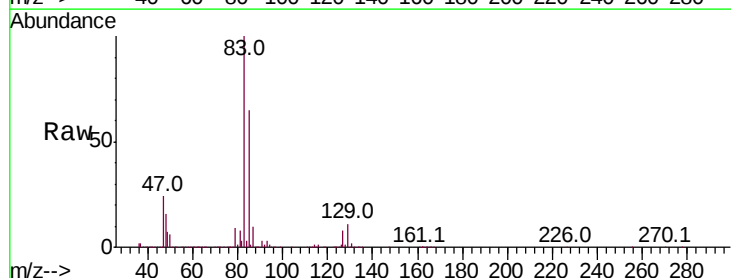
Tgt Ion: 83 Resp: 2857521

Ion Ratio Lower Upper

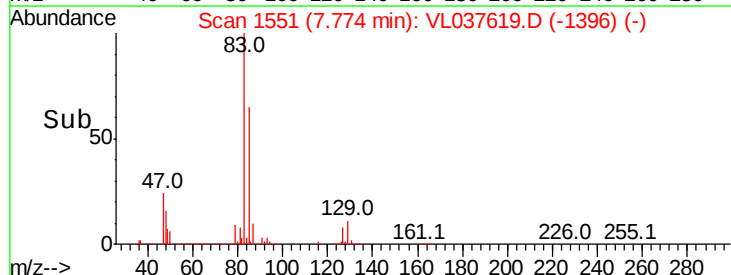
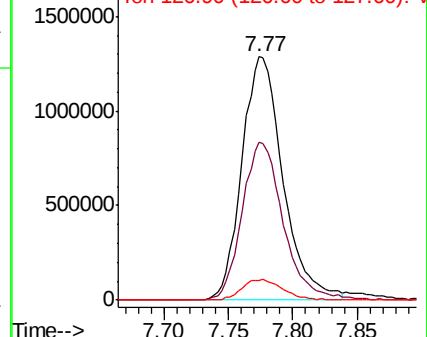
83 100

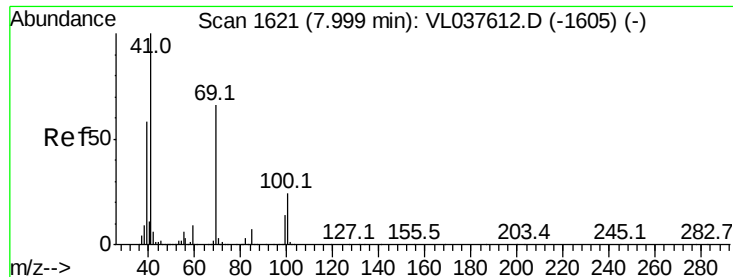
85 65.1 49.8 74.6

127 8.3 6.4 9.6



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

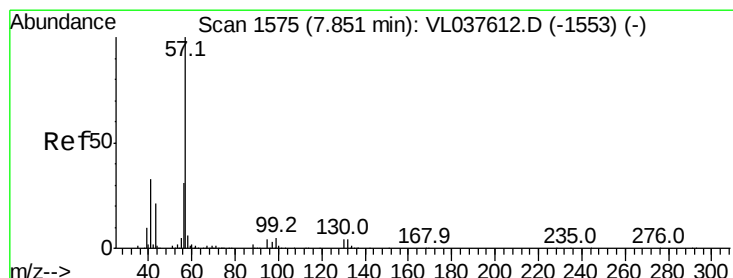
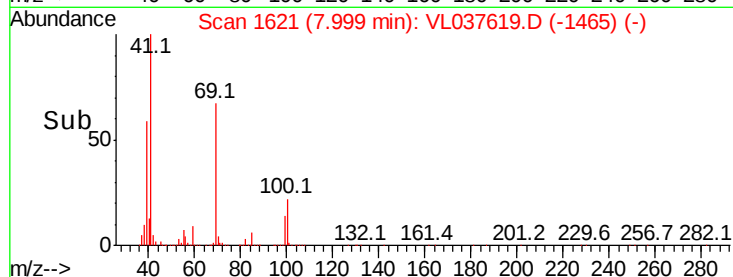
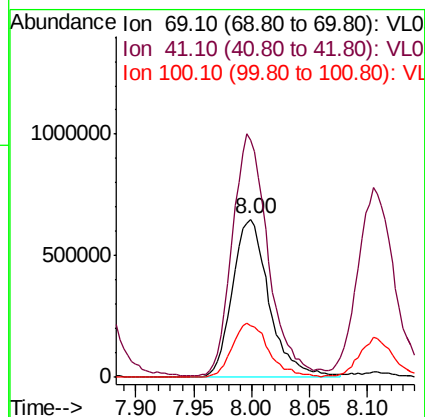
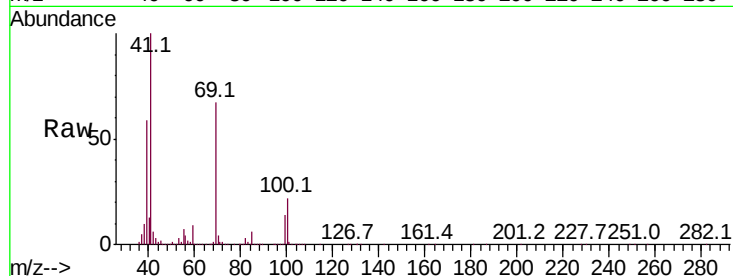




#43
Methvl Methacrilate
Concen: 10.700 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

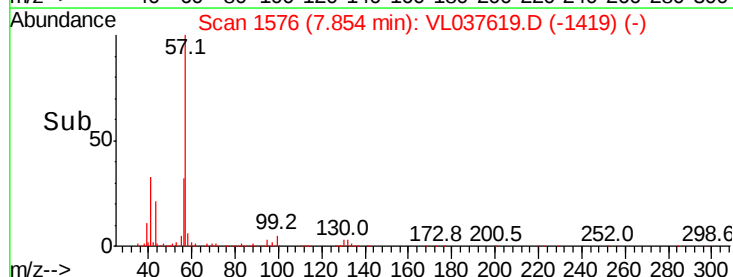
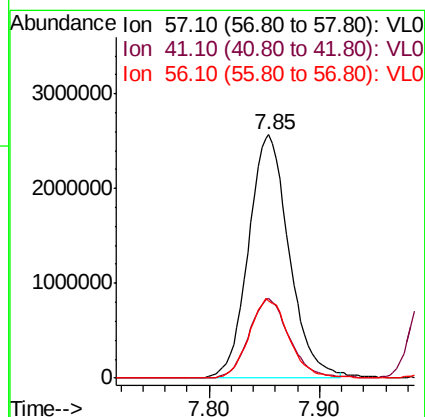
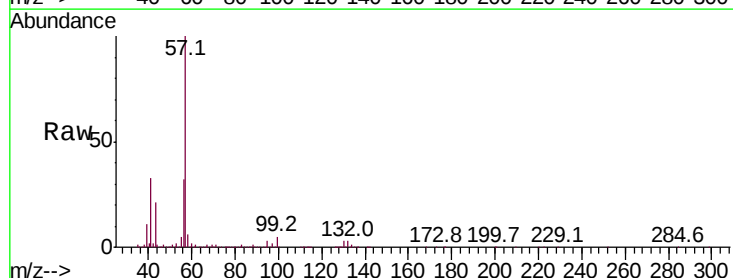
Instrument :
MSVOA_L
ClientSampleId :

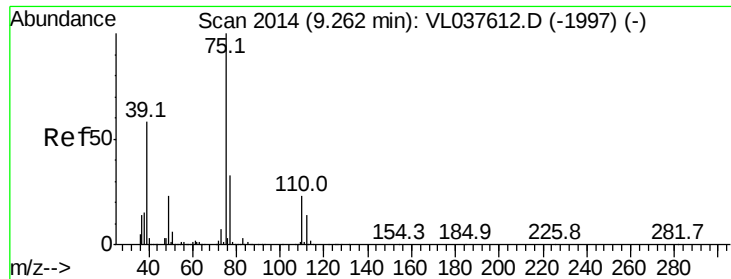
Tot Ion: 69 Resp: 1426025
Ion Ratio Lower Upper
69 100
41 151.8 119.0 178.4
100 33.9 27.6 41.4



#44
2,2,4-Trimethylpentane
Concen: 9.700 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion: 57 Resp: 6532941
Ion Ratio Lower Upper
57 100
41 32.5 26.1 39.1
56 32.1 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 11.485 ppbv

RT: 9.26 min Scan# 2014

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

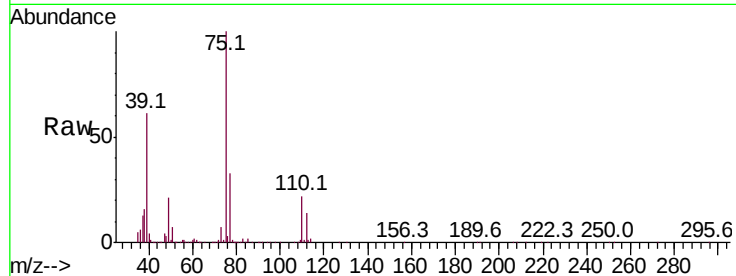
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 75 Resp: 1202285

Ion Ratio Lower Upper

75 100

77 32.5 26.3 39.5



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

600000

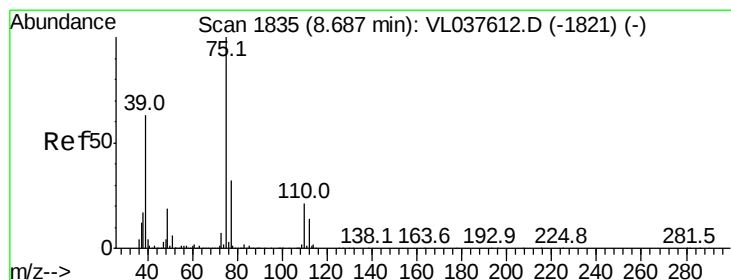
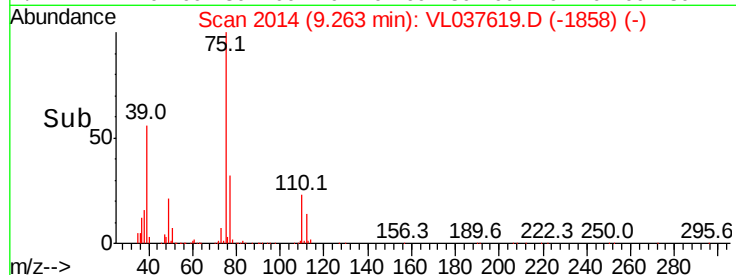
400000

200000

0

9.20 9.25 9.30

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.551 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

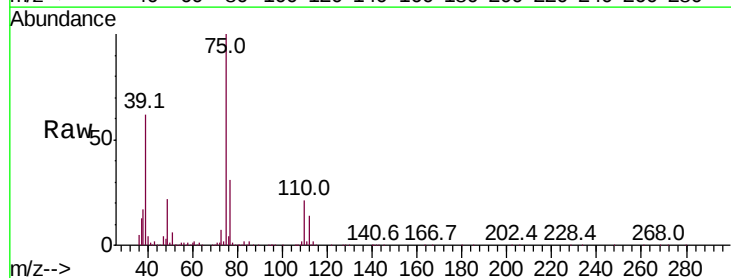
Tgt Ion: 75 Resp: 1633325

Ion Ratio Lower Upper

75 100

39 61.6 50.2 75.4

77 30.7 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

1000000

800000

600000

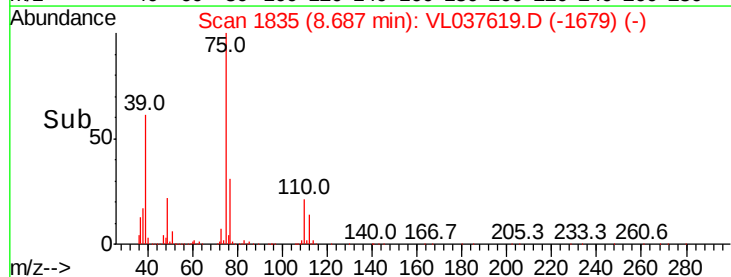
400000

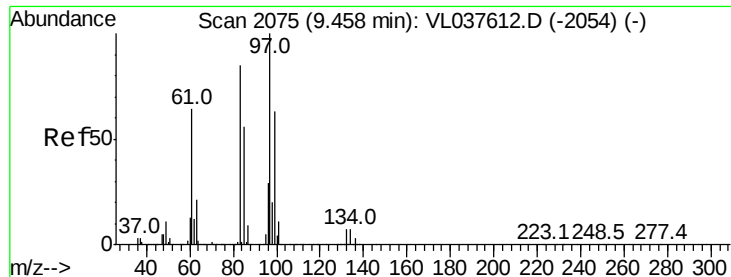
200000

0

8.60 8.70 8.80

Time-->





#47

1,1,2-Trichloroethane

Concen: 9.307 ppbv

RT: 9.46 min Scan# 2074

Delta R.T. -0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 1579746

Ion	Ratio	Lower	Upper
97	100		
83	89.6	67.9	101.9
85	58.3	44.8	67.2
99	63.2	50.1	75.1

97 100

83 89.6 67.9 101.9

85 58.3 44.8 67.2

99 63.2 50.1 75.1

Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

1000000

800000

600000

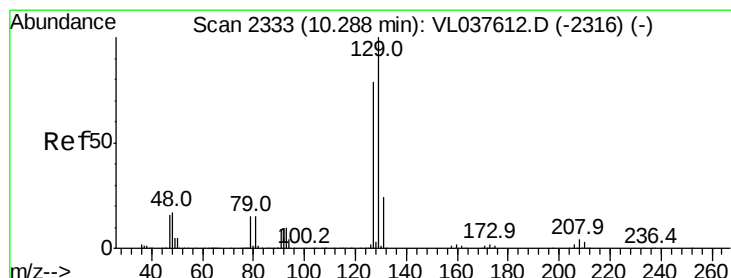
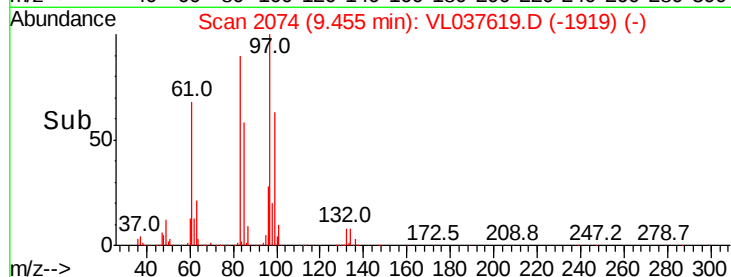
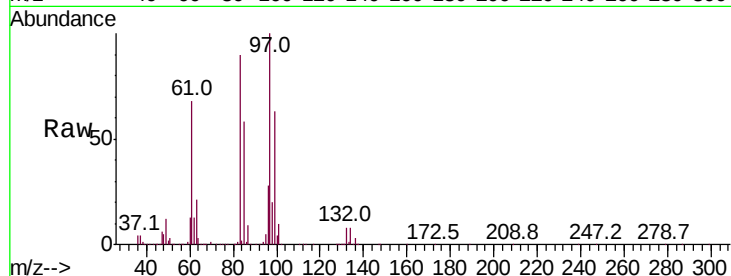
400000

200000

0

9.40 9.50

Time-->



#48

Dibromochloromethane

Concen: 10.255 ppbv

RT: 10.28 min Scan# 2332

Delta R.T. -0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Tgt Ion: 129 Resp: 2428173

Ion	Ratio	Lower	Upper
129	100		
127	80.5	39.3	117.8

129 100

127 80.5 39.3 117.8

Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

1200000

1000000

800000

600000

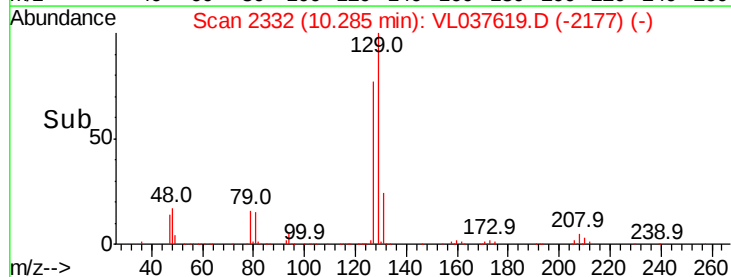
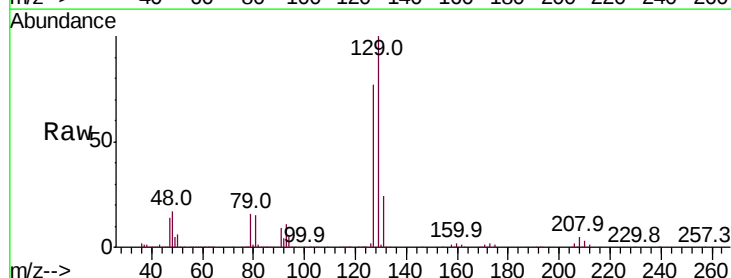
400000

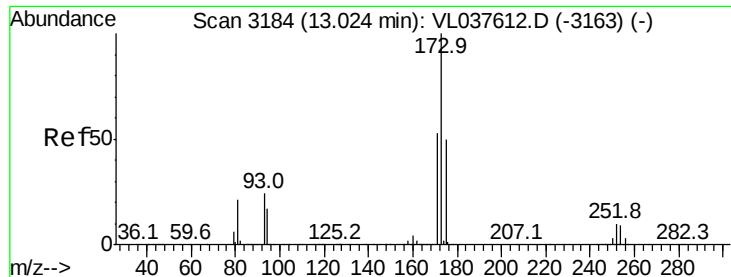
200000

0

10.20 10.25 10.30 10.35

Time-->





#49

Bromoform

Concen: 9.880 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

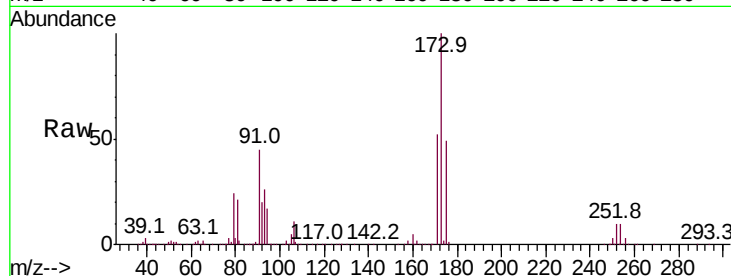
Tot Ion:173 Resp: 1872342

Ion Ratio Lower Upper

173 100

175 50.5 39.8 59.8

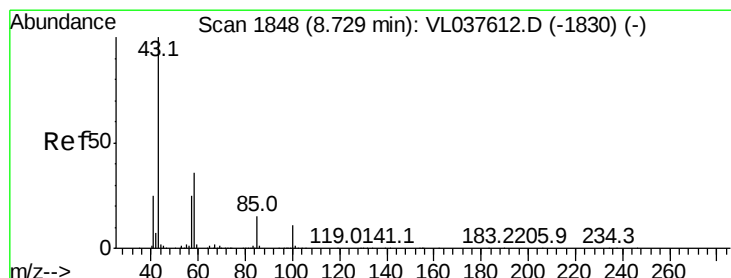
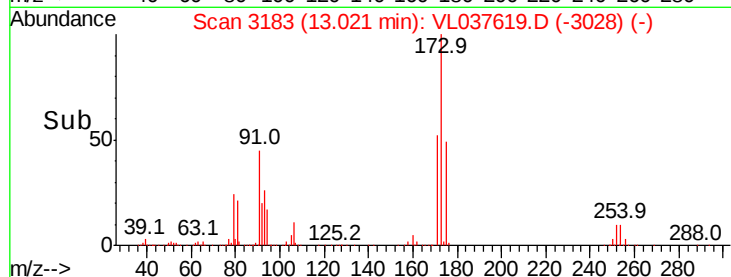
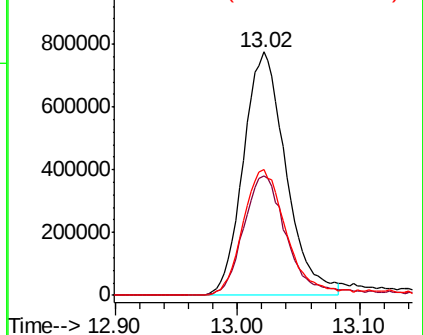
171 53.7 42.2 63.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.252 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VL037619.D

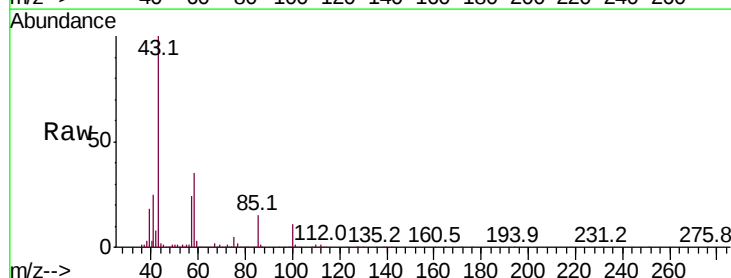
Acq: 16 Sep 2021 16:53

Tgt Ion: 43 Resp: 2540483

Ion Ratio Lower Upper

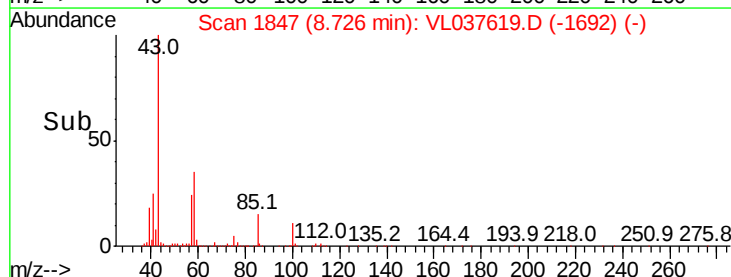
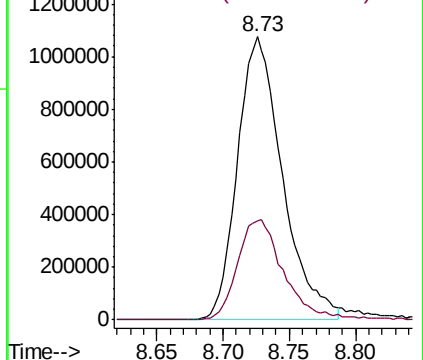
43 100

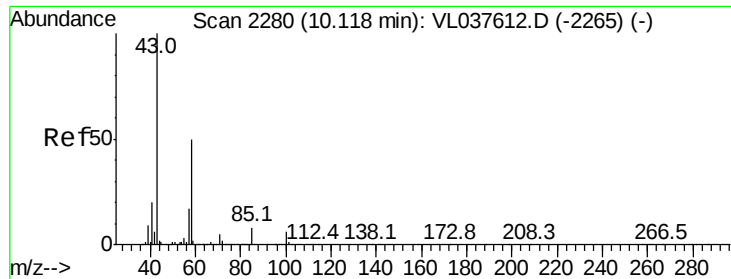
58 36.7 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.632 ppbv

RT: 10.12 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

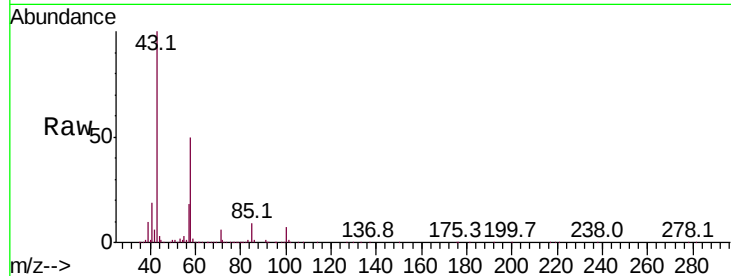
Tot Ion: 43 Resp: 1162375

Ion Ratio Lower Upper

43 100

58 49.3 39.3 58.9

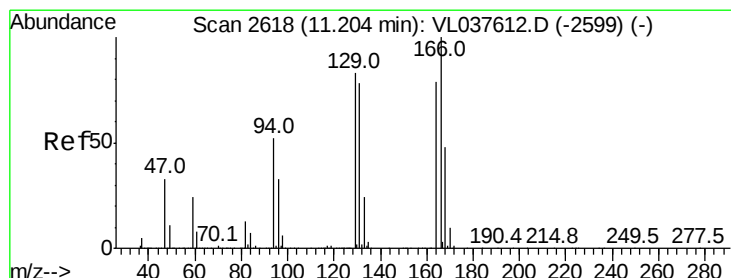
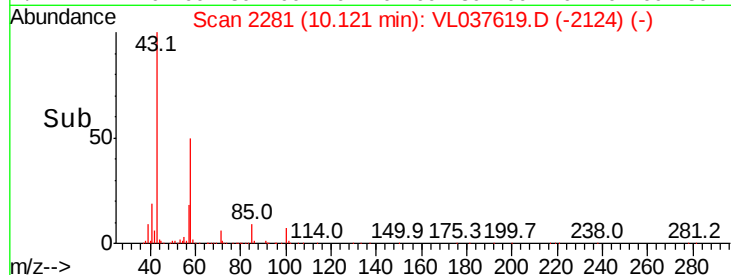
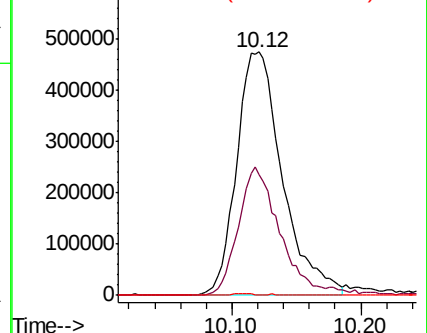
98 0.7 0.4 0.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 9.361 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Tgt Ion:164 Resp: 1439644

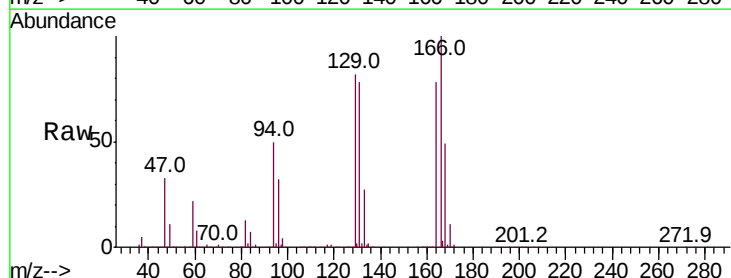
Ion Ratio Lower Upper

164 100

166 127.5 101.2 151.8

129 104.1 84.0 126.0

131 99.7 78.8 118.2

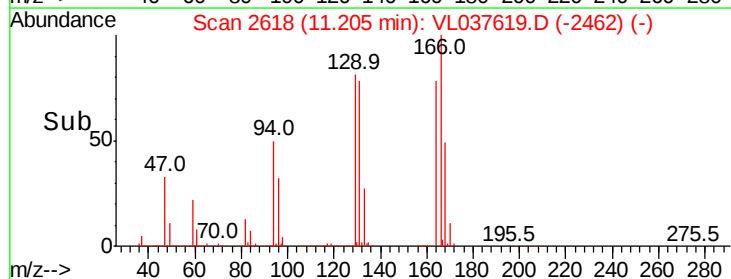
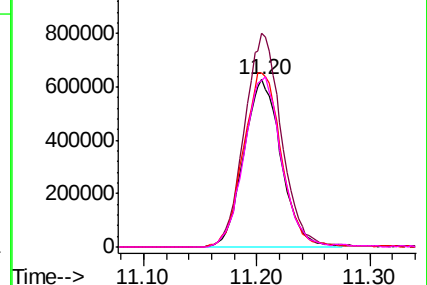


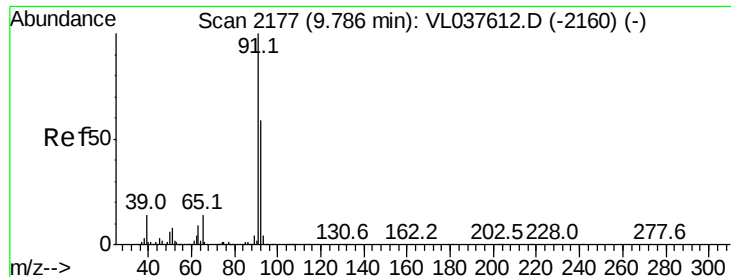
Abundance Ion 163.90 (163.60 to 164.60): V

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: 10.202 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

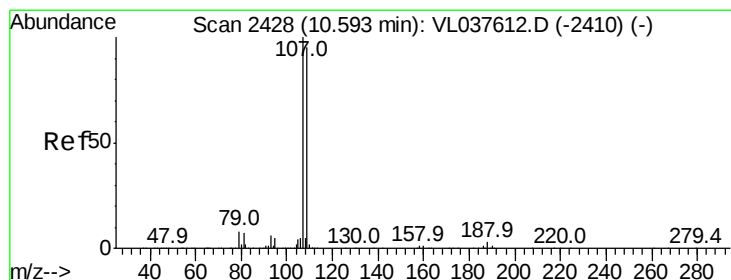
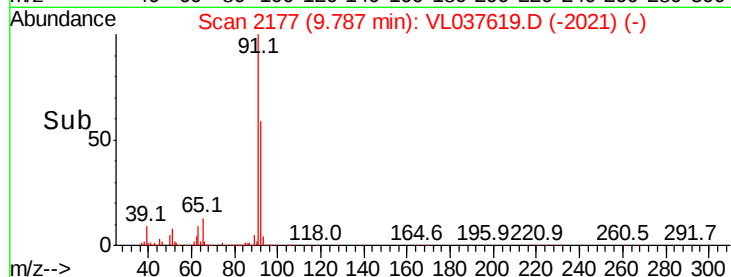
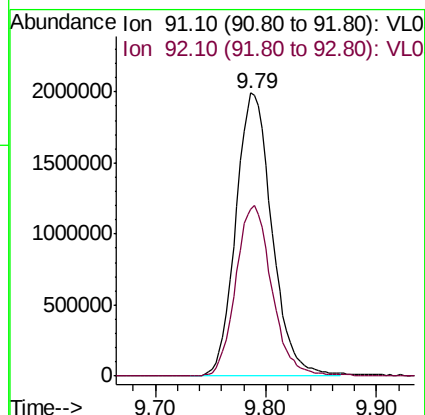
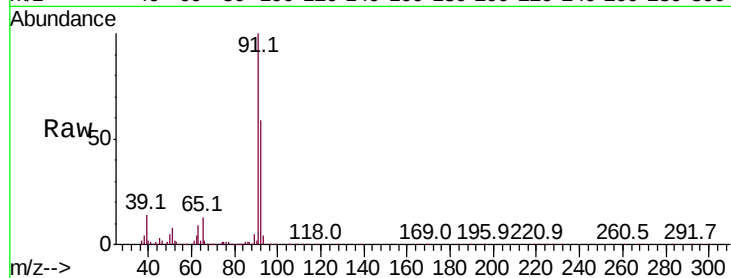
ClientSampleId :

Tot Ion: 91 Resp: 4542723

Ion Ratio Lower Upper

91 100

92 60.1 48.9 73.3



#54

1,2-Dibromoethane

Concen: 9.709 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.00 min

Lab File: VL037619.D

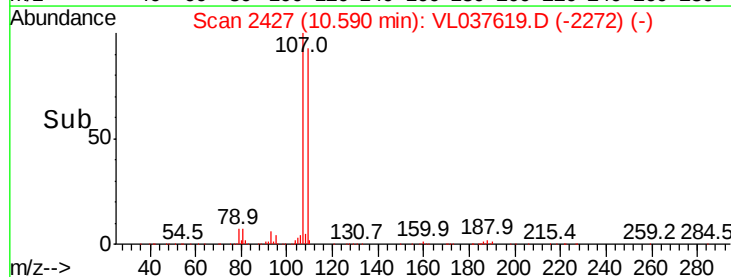
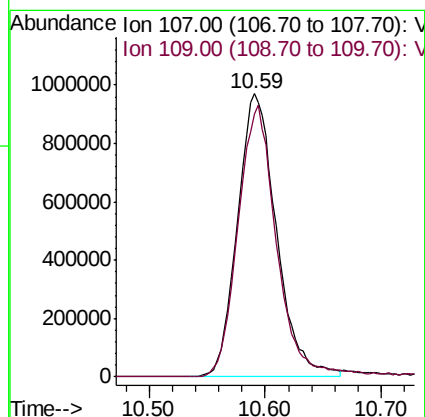
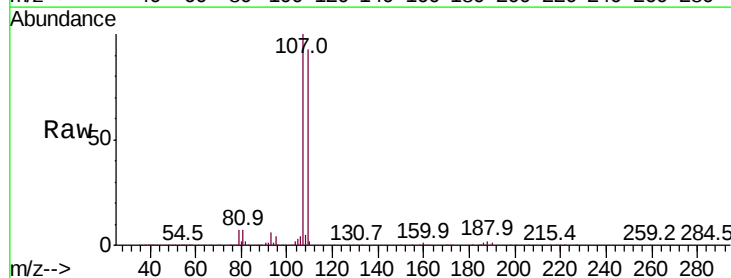
Acq: 16 Sep 2021 16:53

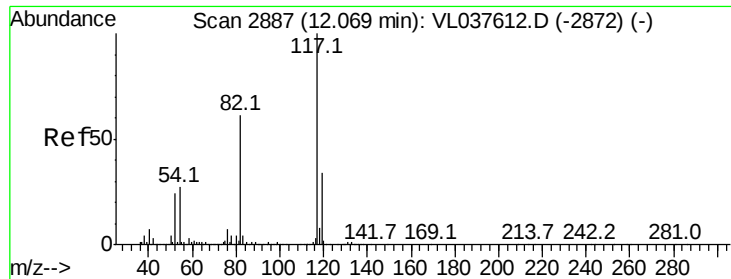
Tgt Ion: 107 Resp: 2256420

Ion Ratio Lower Upper

107 100

109 93.0 76.0 114.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampled :

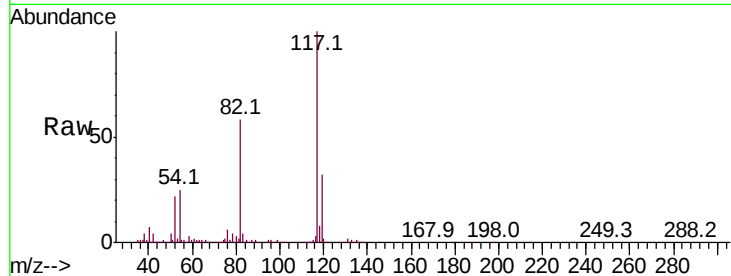
Tot Ion:117 Resp: 5418564

Ion Ratio Lower Upper

117 100

82 51.3 50.6 75.8

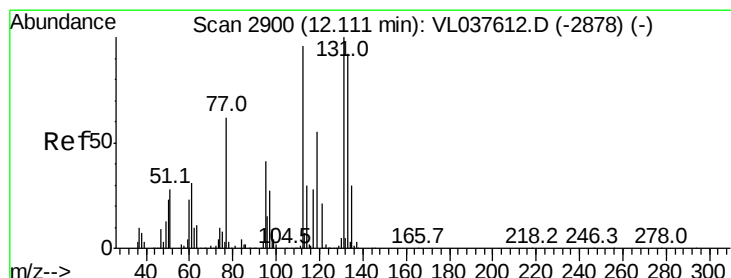
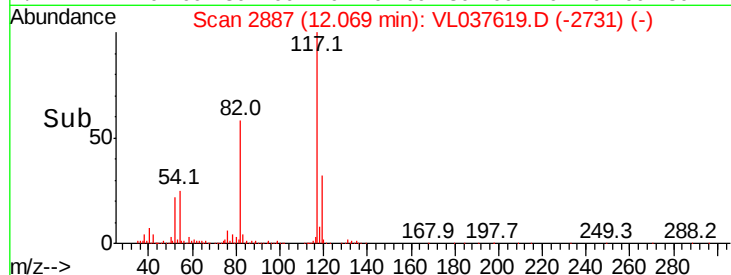
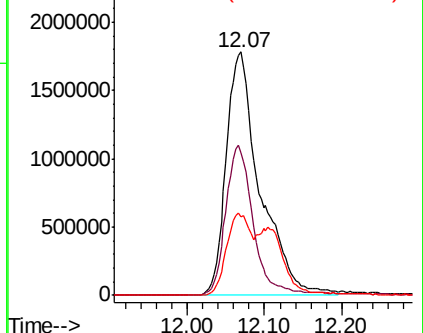
119 47.6 26.2 39.2#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.403 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.01 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

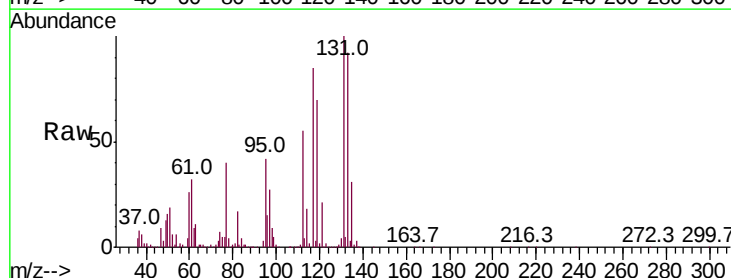
Tgt Ion:131 Resp: 1663858

Ion Ratio Lower Upper

131 100

133 99.5 76.8 115.2

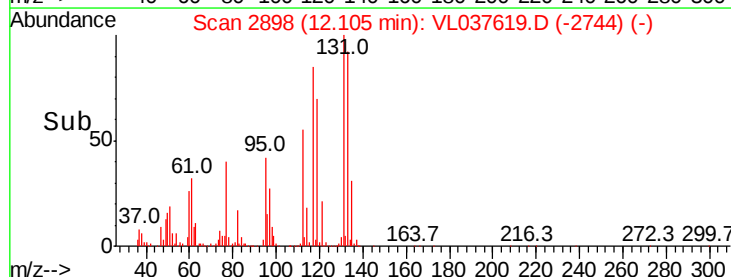
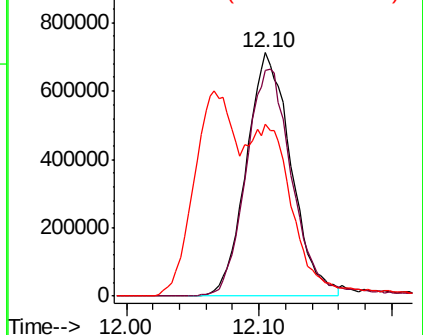
119 73.0 47.8 71.8#

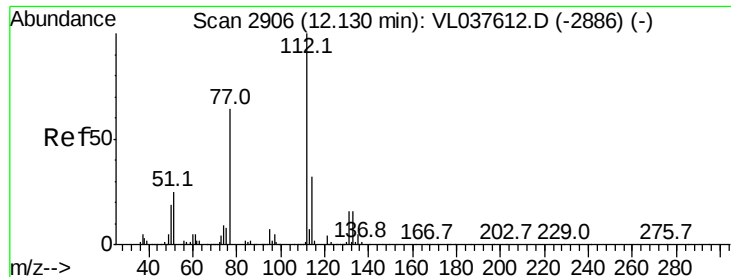


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.078 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

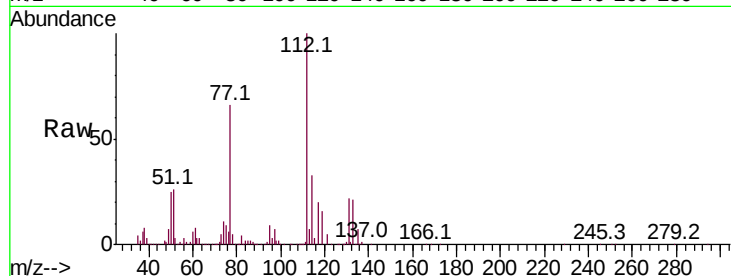
Tot Ion:112 Resp: 3188505

Ion Ratio Lower Upper

112 100

77 64.8 52.1 78.1

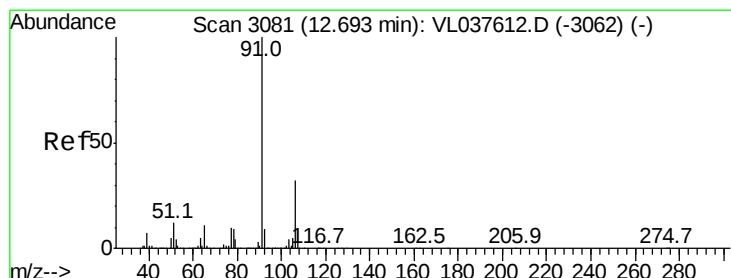
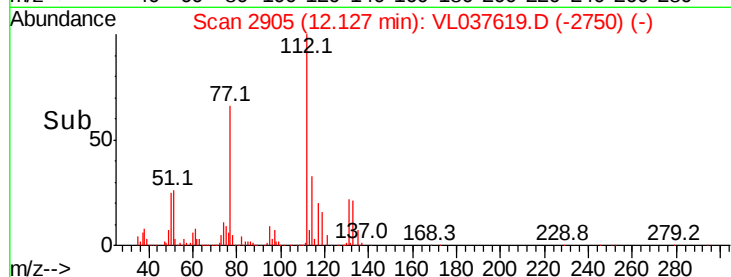
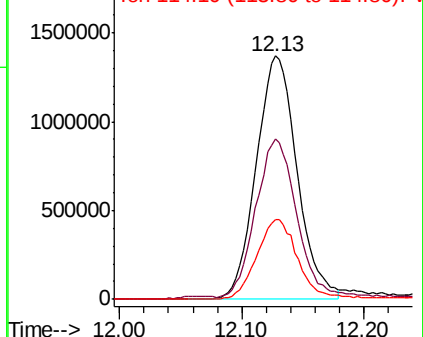
114 32.8 29.2 35.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.910 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. -0.00 min

Lab File: VL037619.D

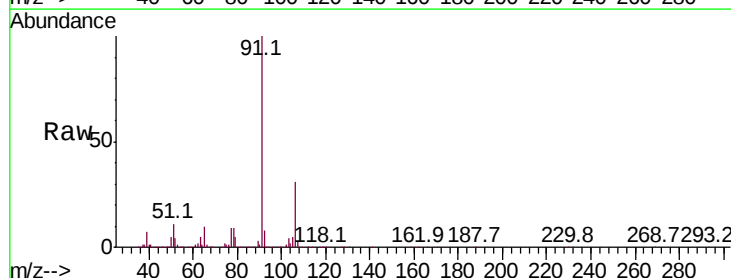
Acq: 16 Sep 2021 16:53

Tgt Ion: 91 Resp: 5689462

Ion Ratio Lower Upper

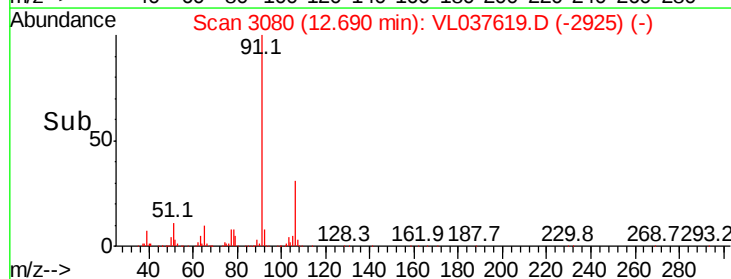
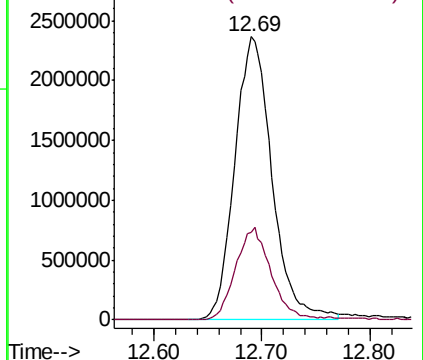
91 100

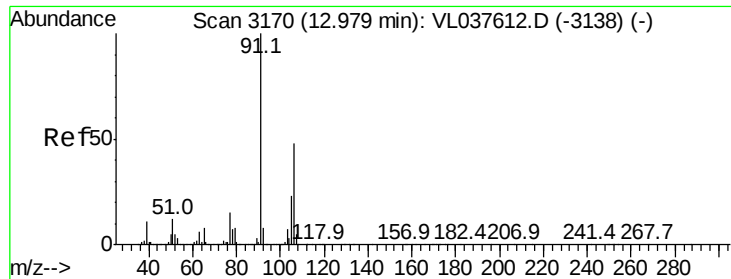
106 31.2 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

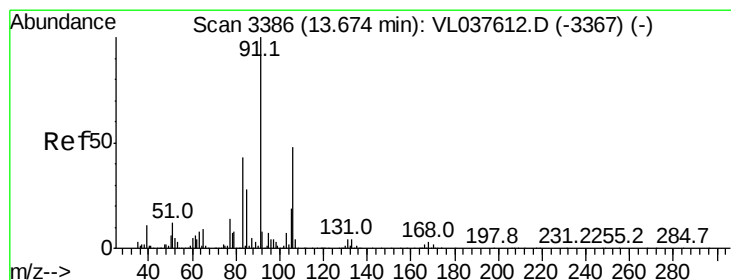
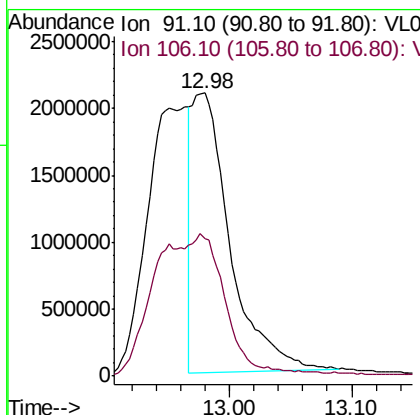
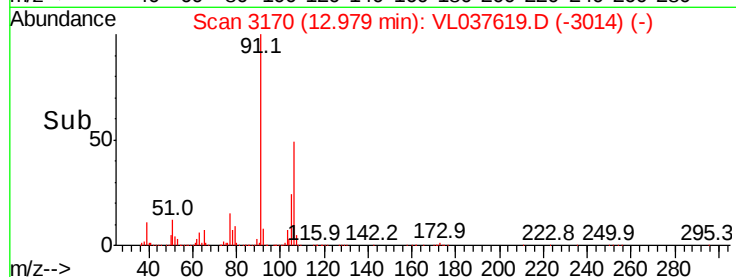
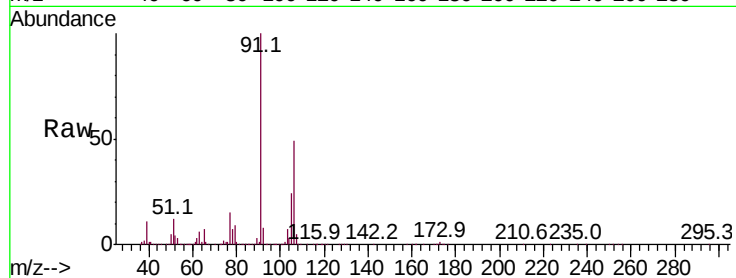




#59
m/p-Xylene
Concen: 7.110 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

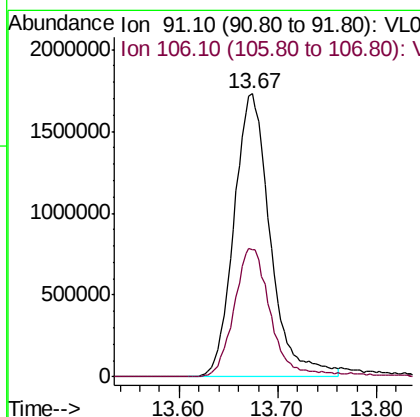
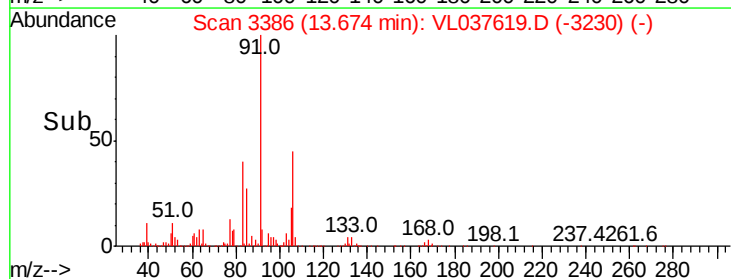
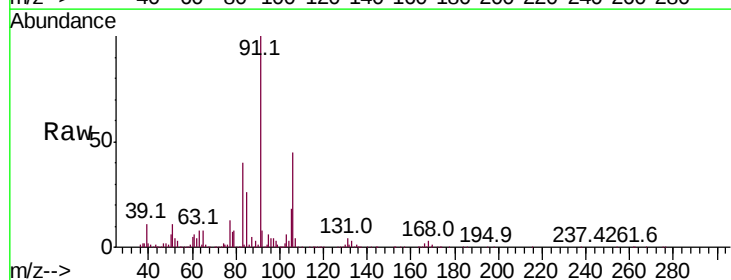
Instrument :
MSVOA_L
ClientSampleId :

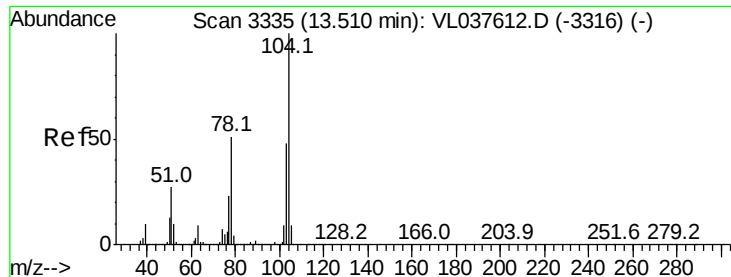
Tot Ion: 91 Resp: 4456633
Ion Ratio Lower Upper
91 100
106 98.5 36.6 55.0#



#60
o-Xylene
Concen: 7.415 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion: 91 Resp: 4424068
Ion Ratio Lower Upper
91 100
106 47.1 23.0 69.0





#61

Stvrene

Concen: 8.353 ppbv

RT: 13.51 min Scan# 3334

Delta R.T. -0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

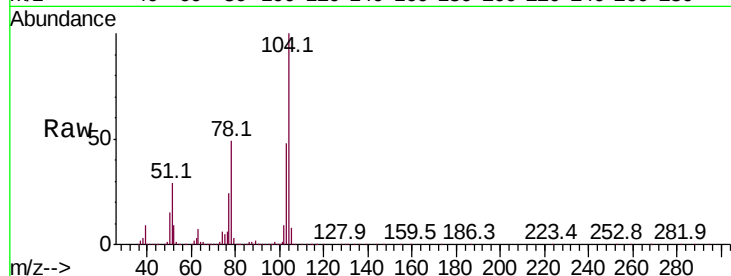
Tot Ion:104 Resp: 2457374

Ion Ratio Lower Upper

104 100

78 50.4 39.7 59.5

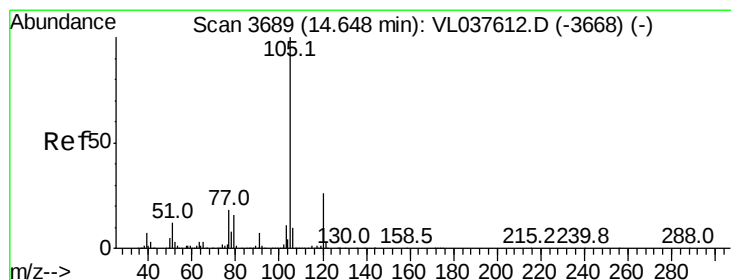
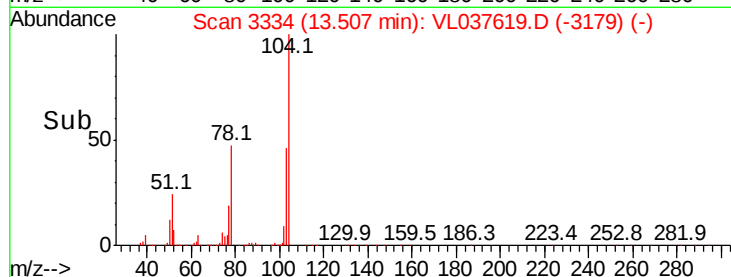
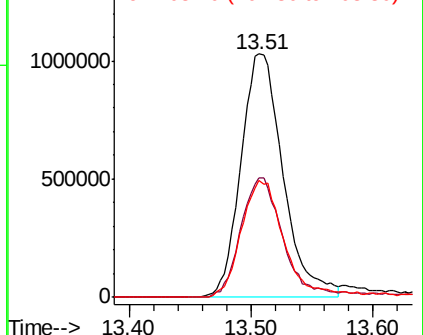
103 49.7 38.8 58.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.275 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. 0.00 min

Lab File: VL037619.D

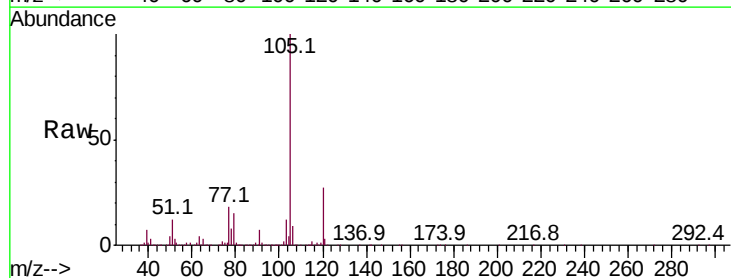
Acq: 16 Sep 2021 16:53

Tgt Ion:105 Resp: 6063768

Ion Ratio Lower Upper

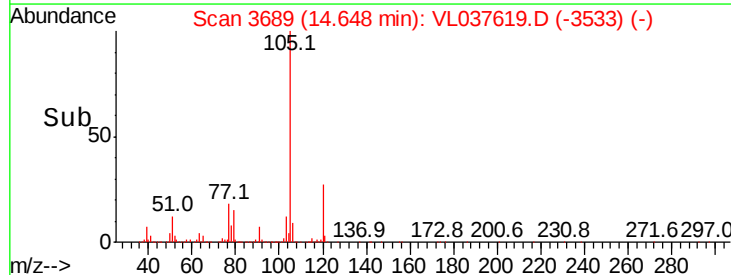
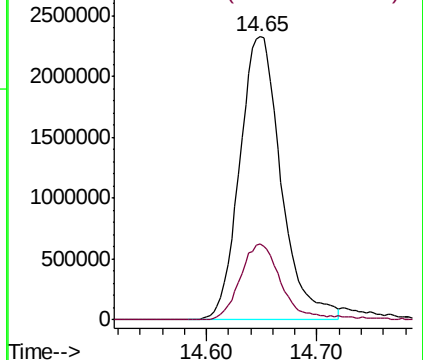
105 100

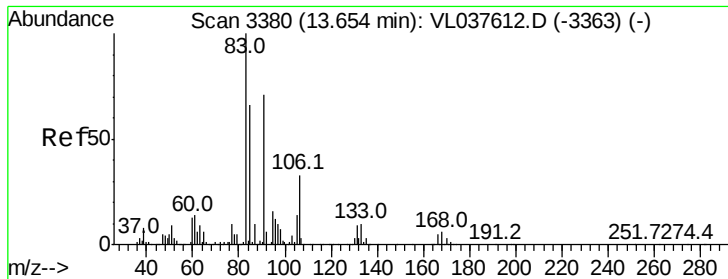
120 27.5 21.4 32.0



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: 6.541 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

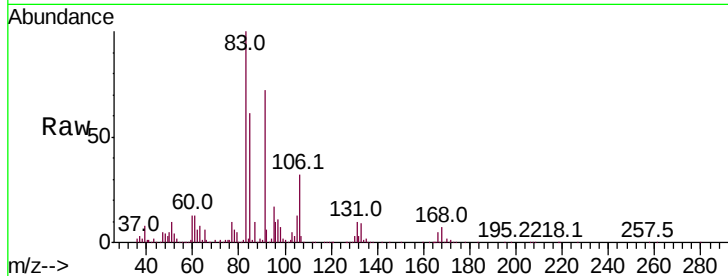
Tot Ion: 83 Resp: 3053948

Ion Ratio Lower Upper

83 100

131 9.7 5.1 15.3

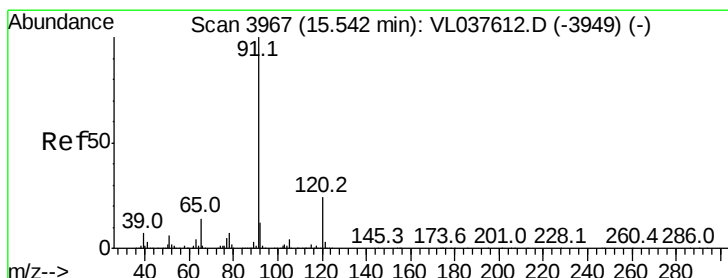
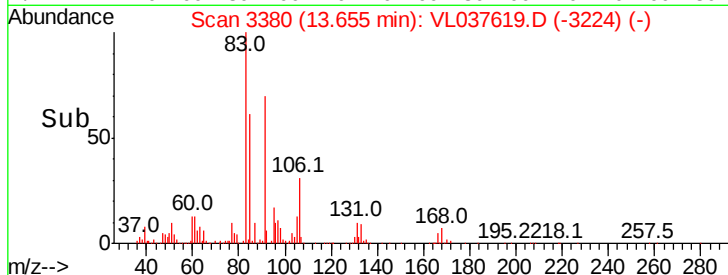
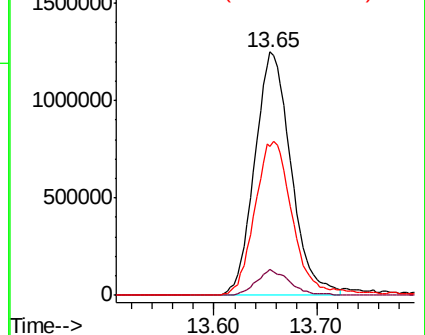
85 67.6 33.3 99.9



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: 3.553 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. 0.00 min

Lab File: VL037619.D

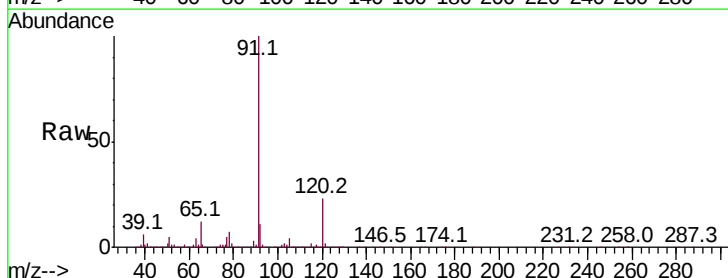
Acq: 16 Sep 2021 16:53

Tgt Ion:120 Resp: 764158

Ion Ratio Lower Upper

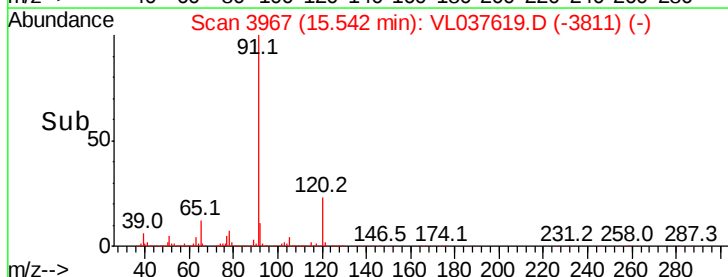
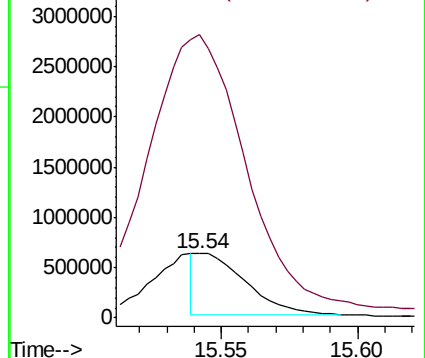
120 100

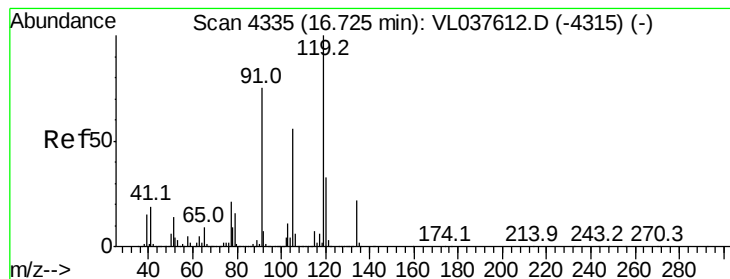
91 988.7 345.0 517.4#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.127 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

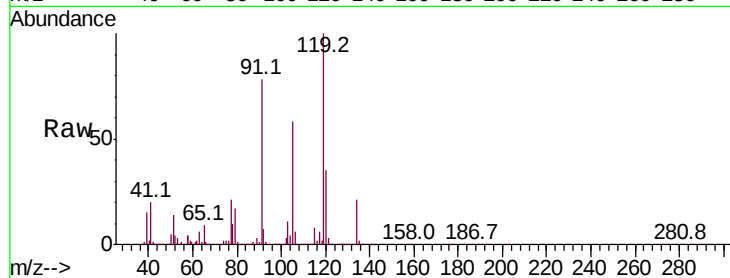
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:119 Resp: 5355997

Ion	Ratio	Lower	Upper
119	100		
91	78.2	61.9	92.9
134	20.4	16.5	24.7

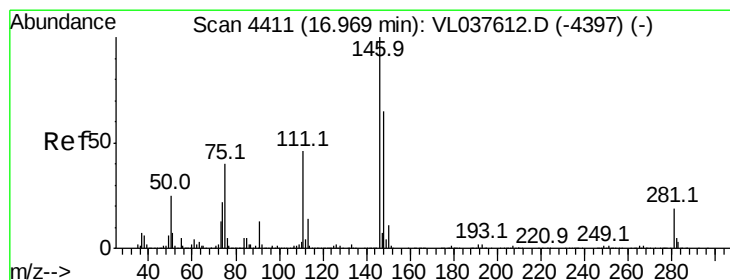
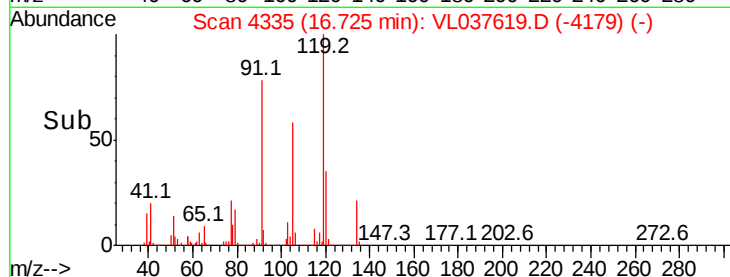


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

Time-->



#66

Benzyl Chloride

Concen: 8.082 ppbv

RT: 16.97 min Scan# 4410

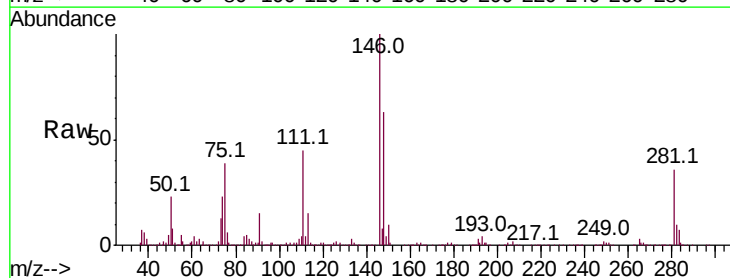
Delta R.T. -0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Tgt Ion: 91 Resp: 331910

Ion	Ratio	Lower	Upper
91	100		
126	20.7	14.4	21.6
128	6.6	5.7	8.5

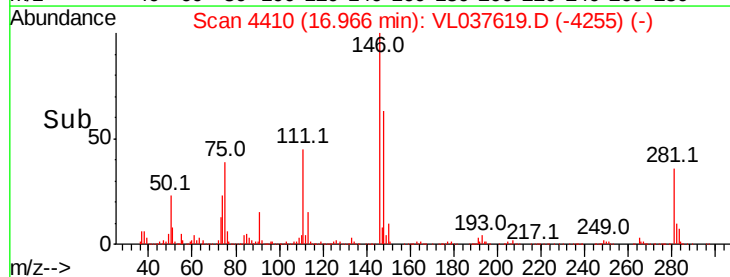


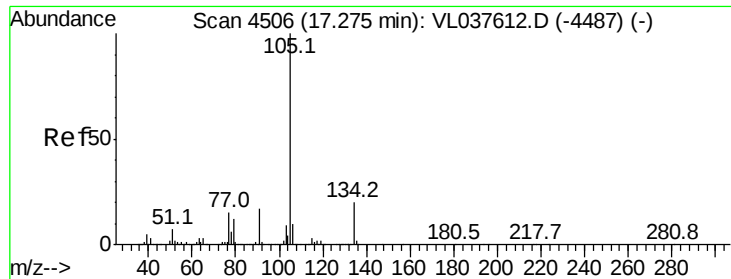
Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

Time-->





#67

sec-Butylbenzene

Concen: 7.329 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

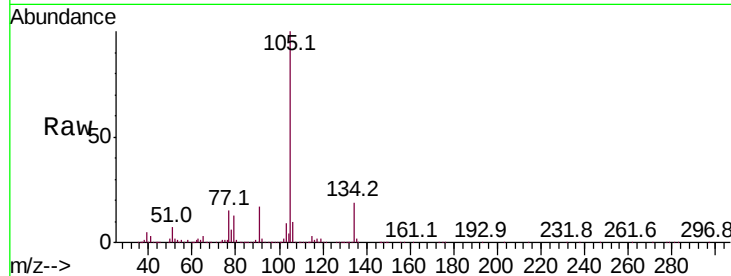
ClientSampleId :

Tot Ion:105 Resp: 7471938

Ion Ratio Lower Upper

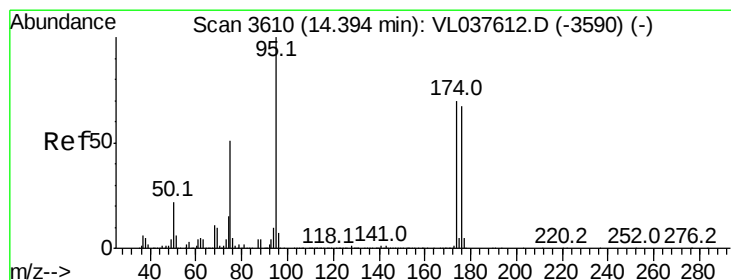
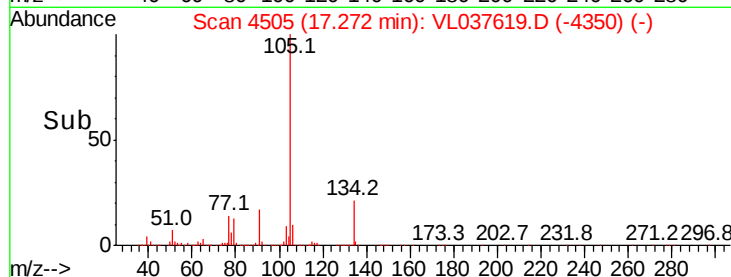
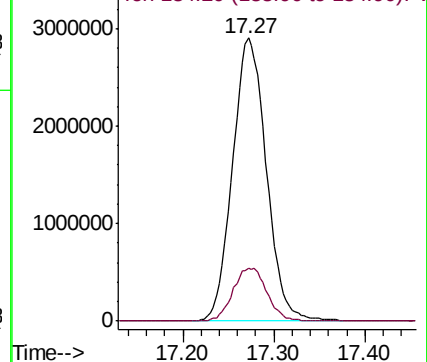
105 100

134 19.0 15.7 23.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.060 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

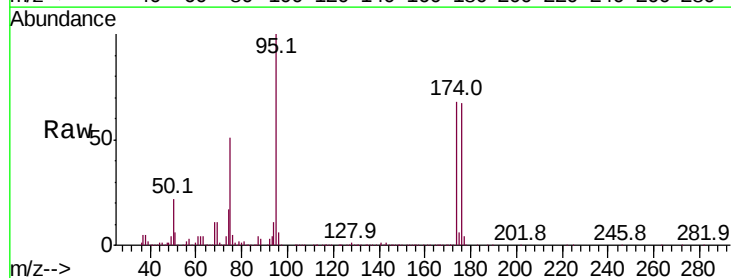
Tgt Ion: 95 Resp: 3156331

Ion Ratio Lower Upper

95 100

174 73.2 56.3 84.5

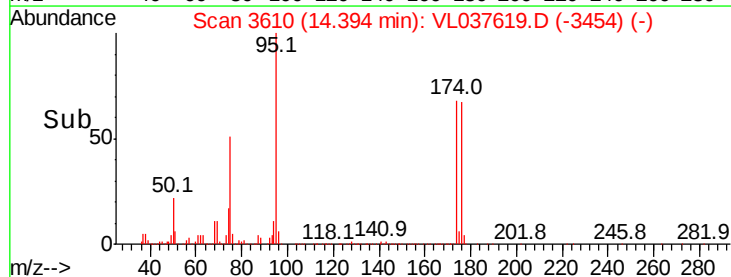
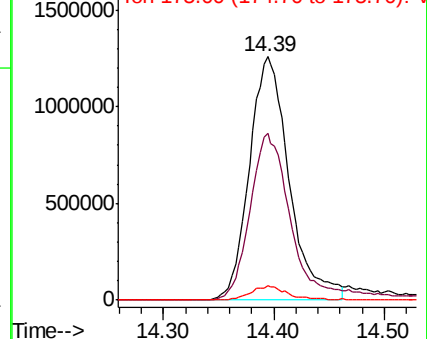
175 5.5 4.4 6.6

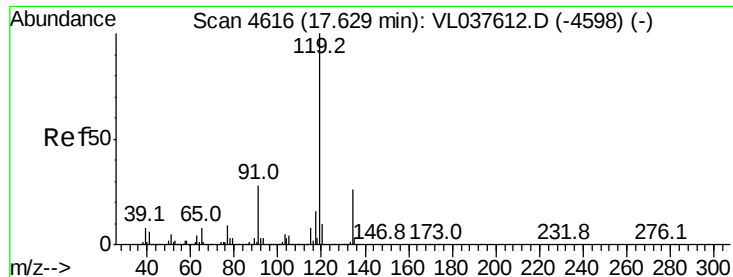


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



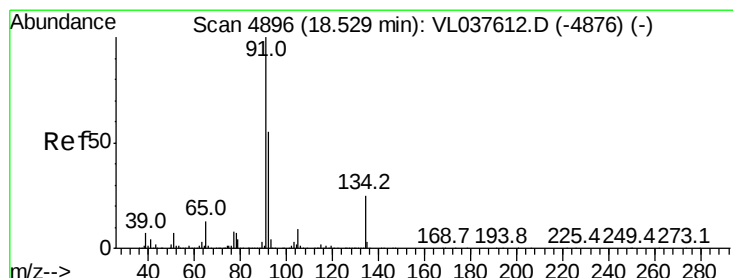
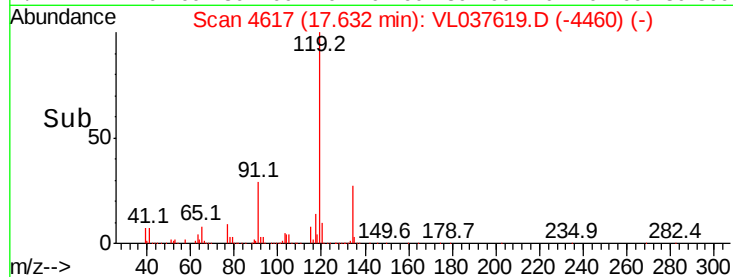
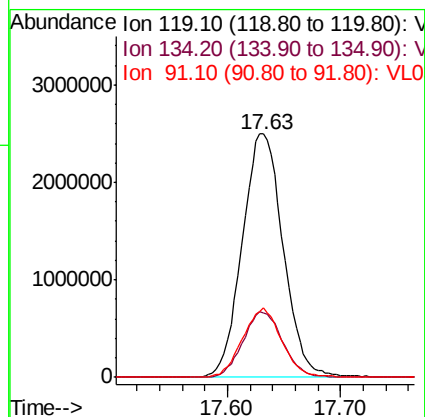
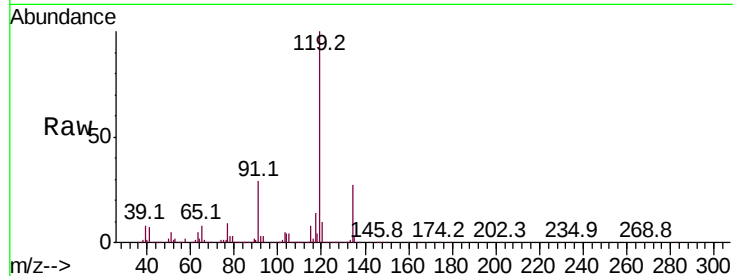


#69
 p-Isopropyltoluene
 Concen: 7.526 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. 0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 6268611

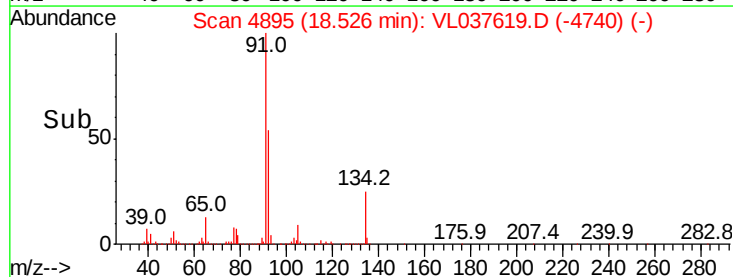
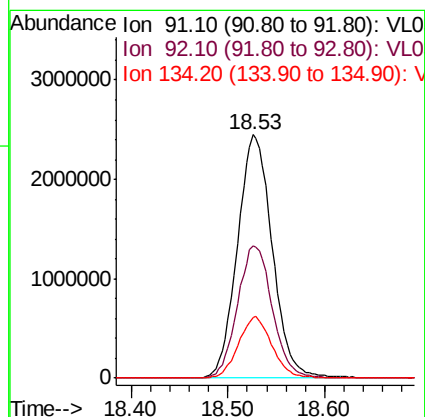
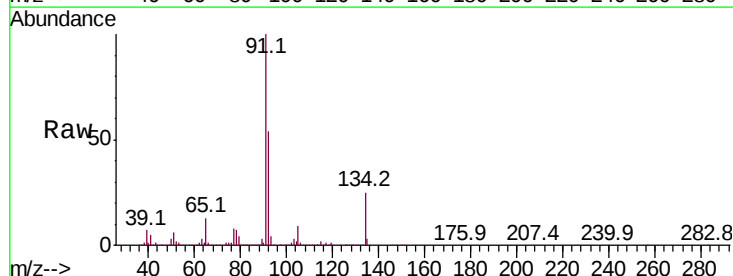
Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.2	31.8
91	27.4	22.2	33.2

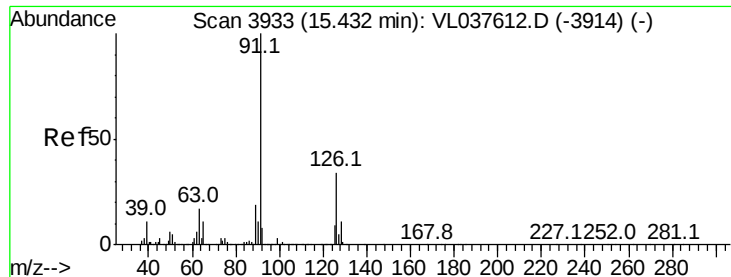


#70
 n-Butylbenzene
 Concen: 7.765 ppbv
 RT: 18.53 min Scan# 4895
 Delta R.T. -0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Tgt Ion: 91 Resp: 6119777

Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.0	66.0
134	24.5	19.5	29.3





#71

2-Chlorotoluene

Concen: 7.328 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

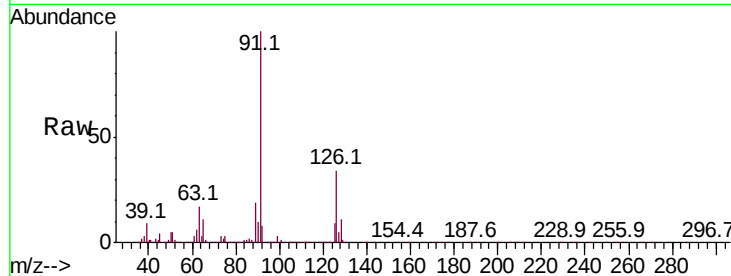
ClientSampleId :

Tot Ion: 91 Resp: 4376810

Ion Ratio Lower Upper

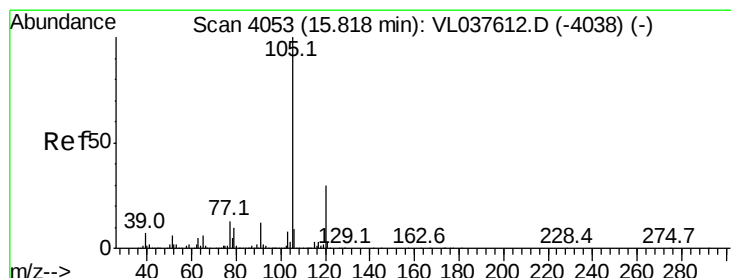
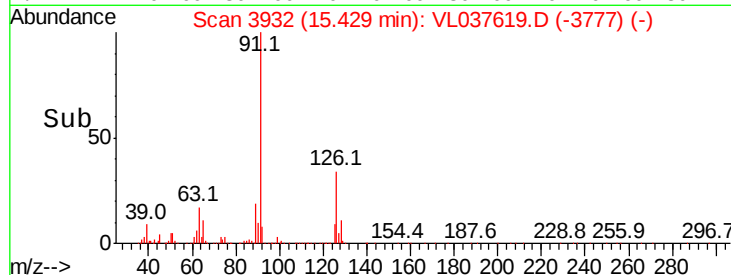
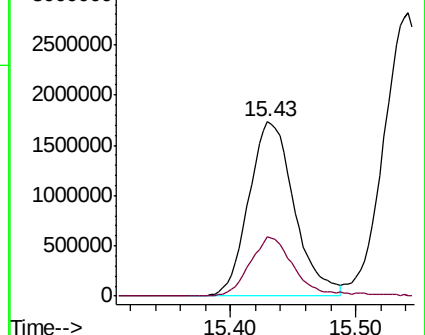
91 100

126 34.0 13.2 52.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.577 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Tgt Ion:105 Resp: 5189164

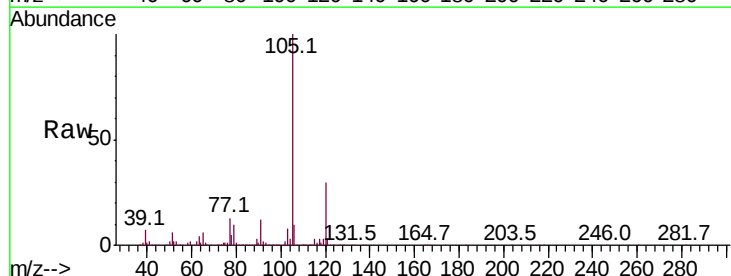
Ion Ratio Lower Upper

105 100

120 31.2 24.7 37.1

91 12.6 9.9 14.9

77 13.2 10.5 15.7

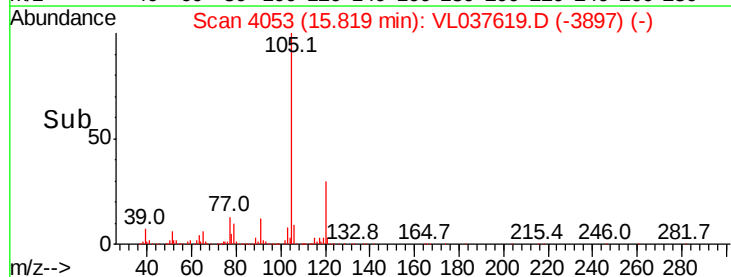
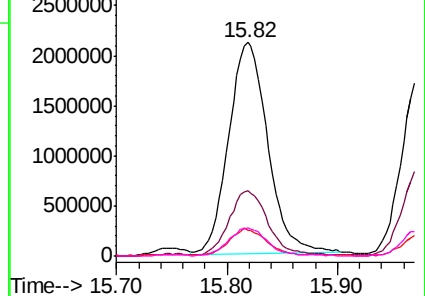


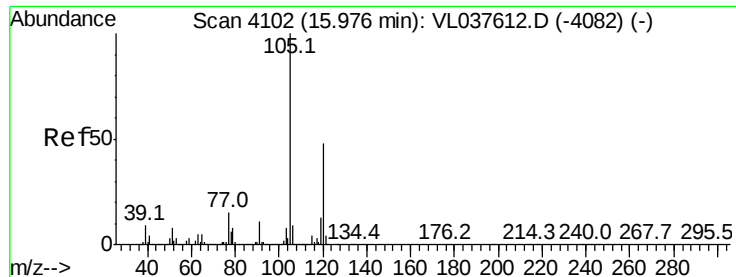
Abundance Ion 105.10 (104.80 to 105.80): V

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

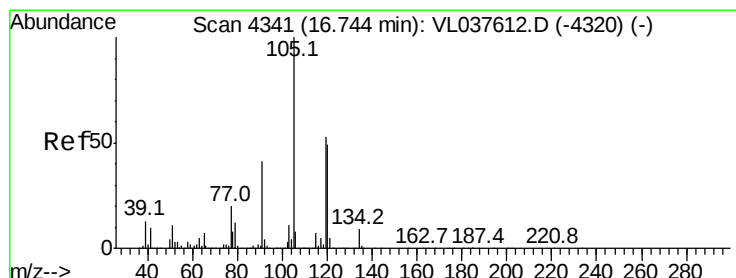
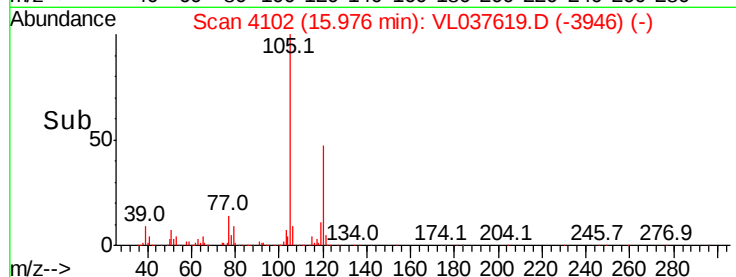
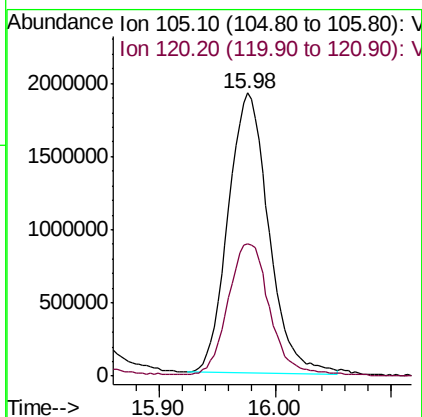
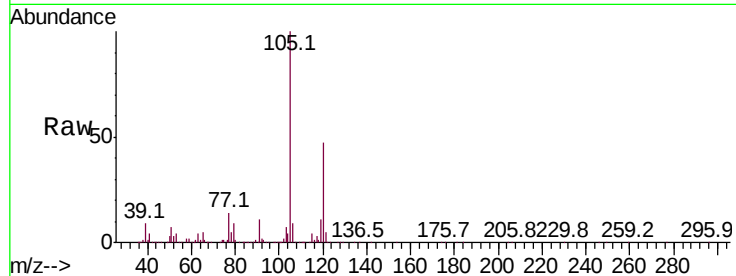




#73
 1,3,5-Trimethylbenzene
 Concen: 7.299 ppbv
 RT: 15.98 min Scan# 4102
 Delta R.T. 0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

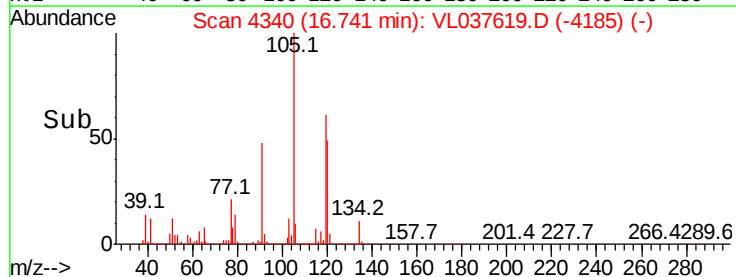
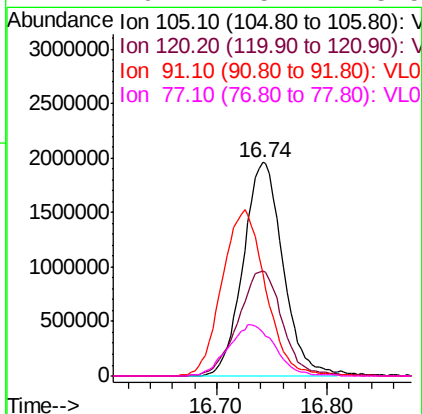
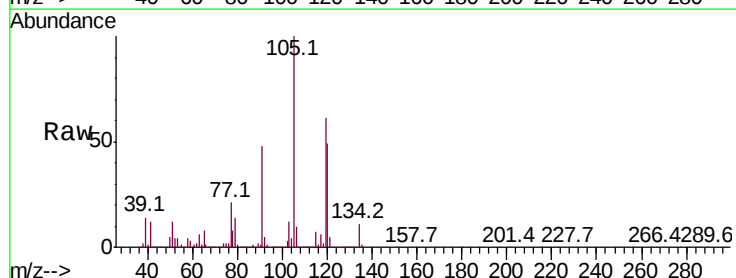
Instrument :
 MSVOA_L
 ClientSampled :

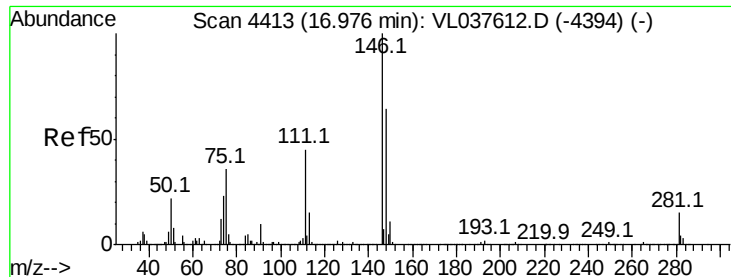
Tot Ion:105 Resp: 4659638
 Ion Ratio Lower Upper
 105 100
 120 46.9 38.3 57.5



#74
 1,2,4-Trimethylbenzene
 Concen: 7.279 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Tgt Ion:105 Resp: 4894478
 Ion Ratio Lower Upper
 105 100
 120 48.8 39.4 59.0
 91 47.0 33.3 49.9
 77 20.4 15.7 23.5





#75

1,3-Dichlorobenzene

Concen: 6.938 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

Instrument :

MSVOA_L

ClientSampleId :

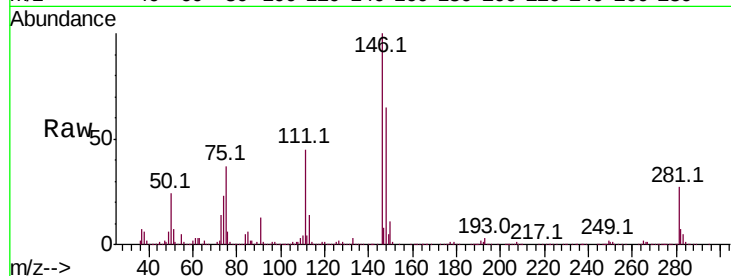
Tot Ion:146 Resp: 2898255

Ion Ratio Lower Upper

146 100

111 46.1 22.8 68.3

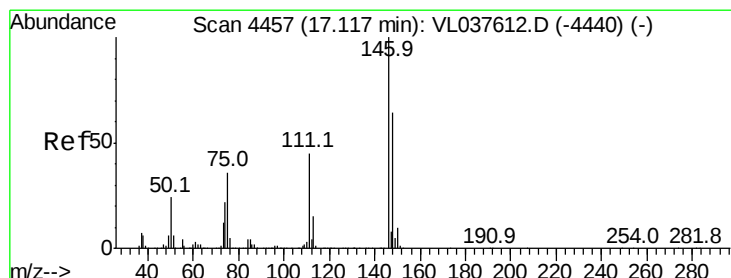
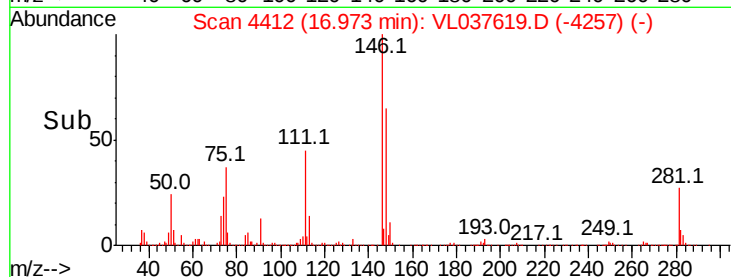
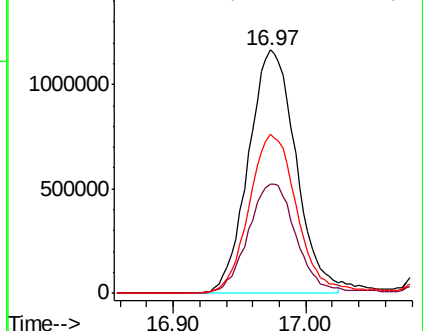
148 66.5 32.1 96.5



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



#76

1,4-Dichlorobenzene

Concen: 6.802 ppbv

RT: 17.12 min Scan# 4457

Delta R.T. 0.00 min

Lab File: VL037619.D

Acq: 16 Sep 2021 16:53

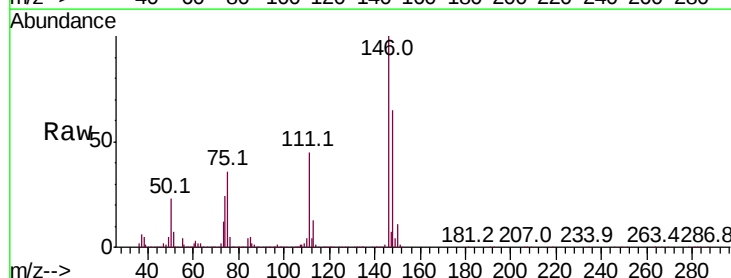
Tgt Ion:146 Resp: 2802548

Ion Ratio Lower Upper

146 100

111 46.5 22.5 67.5

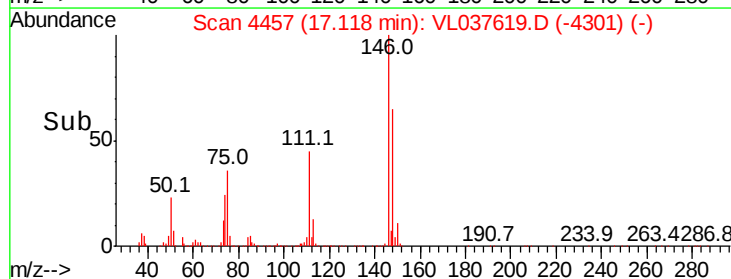
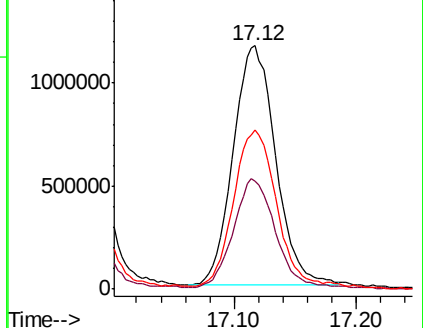
148 69.2 32.9 98.6

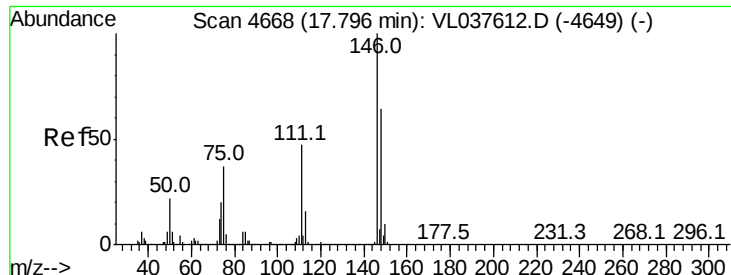


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

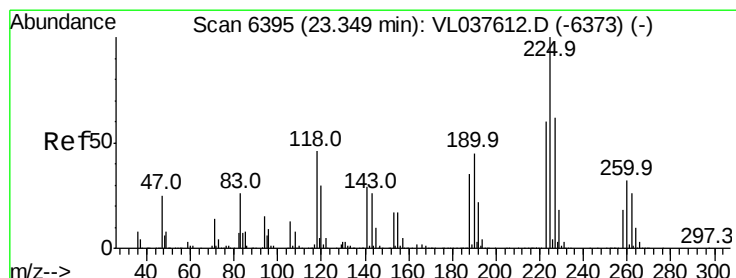
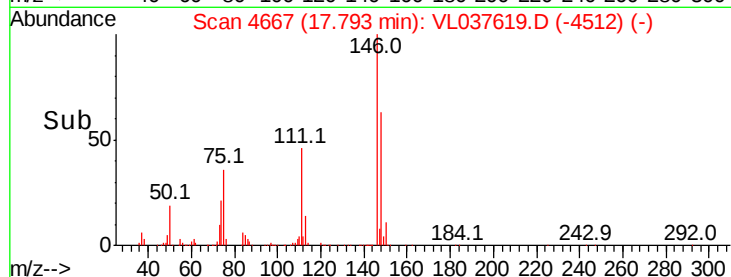
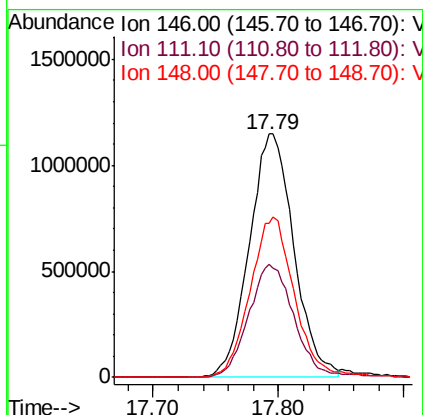
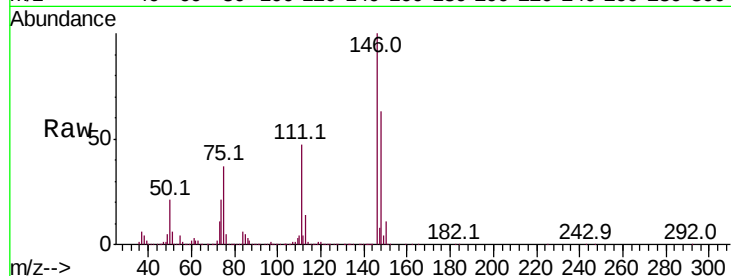




#77
 1,2-Dichlorobenzene
 Concen: 7.092 ppbv
 RT: 17.79 min Scan# 4667
 Delta R.T. -0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

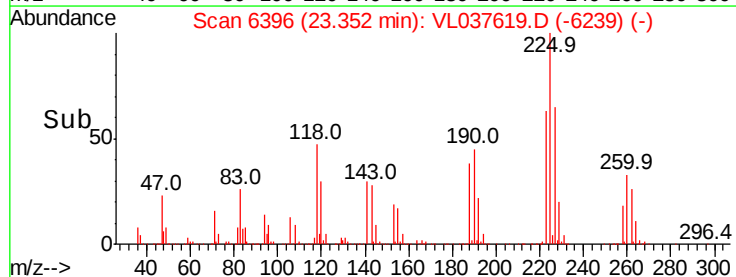
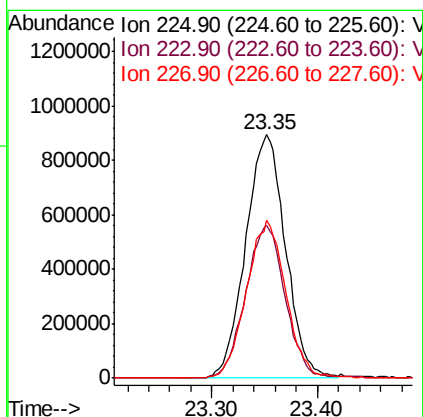
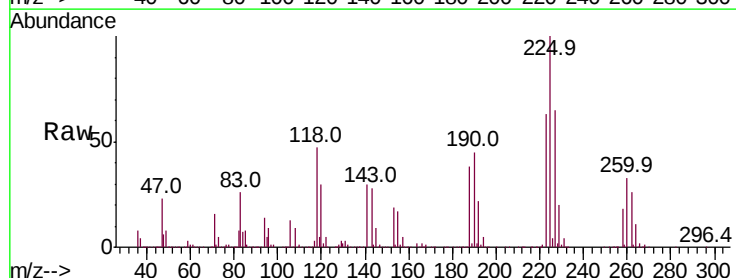
Instrument :
 MSVOA_L
 ClientSampled :

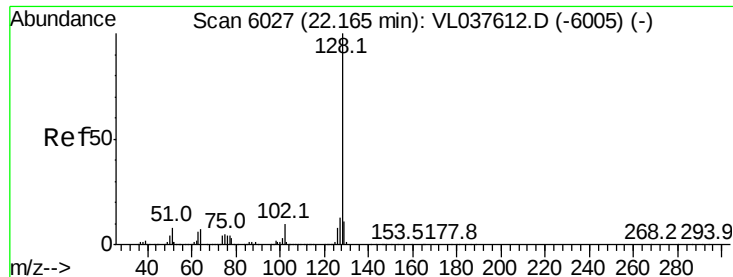
Tot Ion:146 Resp: 2809799
 Ion Ratio Lower Upper
 146 100
 111 47.7 24.0 72.0
 148 66.4 32.8 98.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.045 ppbv
 RT: 23.35 min Scan# 6396
 Delta R.T. 0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Tgt Ion:225 Resp: 2349304
 Ion Ratio Lower Upper
 225 100
 223 62.7 51.1 76.7
 227 64.5 52.2 78.4

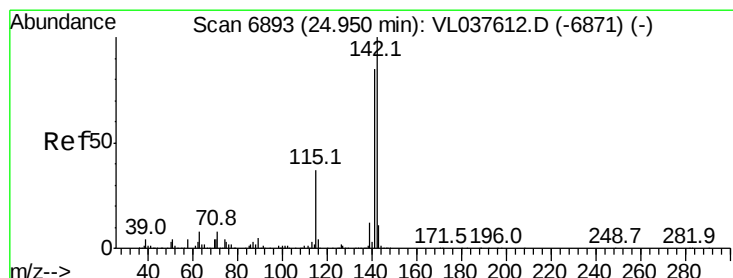
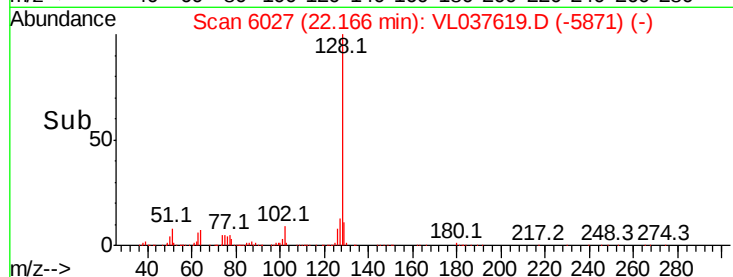
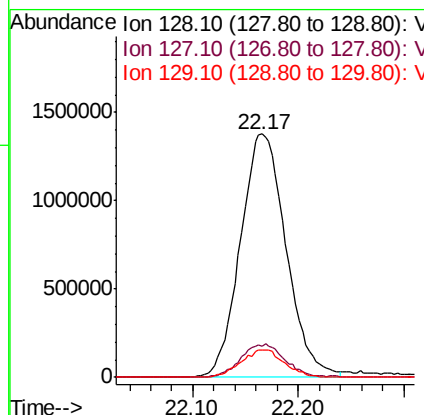
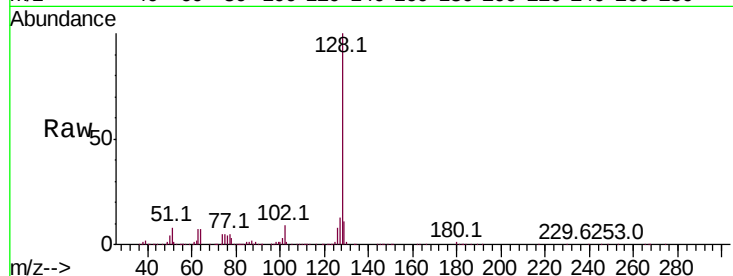




#79
Naphthalene
Concen: 9.994 ppbv
RT: 22.17 min Scan# 6027
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

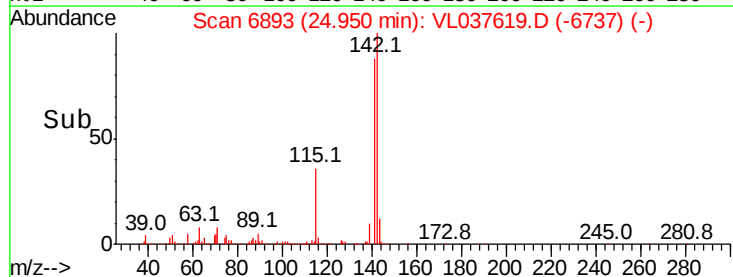
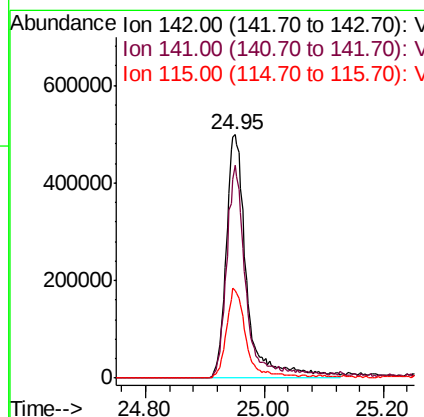
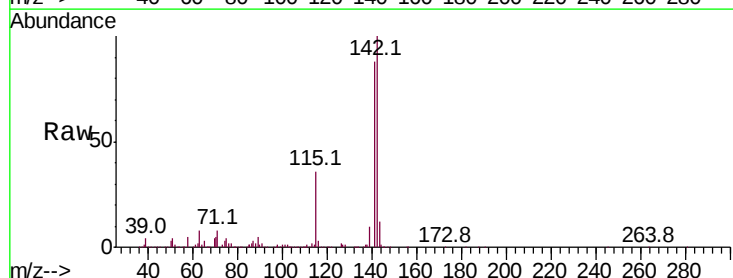
Instrument :
MSVOA_L
ClientSampleId :

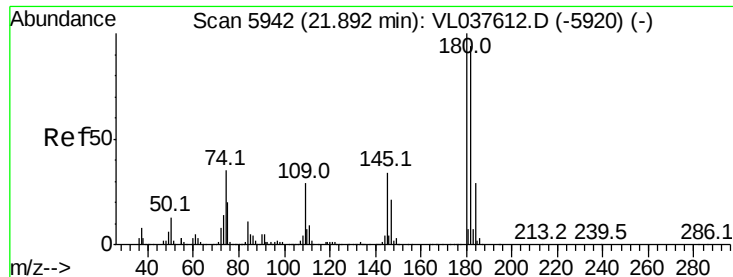
Tot Ion:128 Resp: 4125829
Ion Ratio Lower Upper
128 100
127 12.6 10.6 16.0
129 11.4 8.6 12.8



#80
Naphthalene, 2-methyl-
Concen: 12.709 ppbv
RT: 24.95 min Scan# 6893
Delta R.T. 0.00 min
Lab File: VL037619.D
Acq: 16 Sep 2021 16:53

Tgt Ion:142 Resp: 1199253
Ion Ratio Lower Upper
142 100
141 83.8 70.9 106.3
115 37.5 29.6 44.4

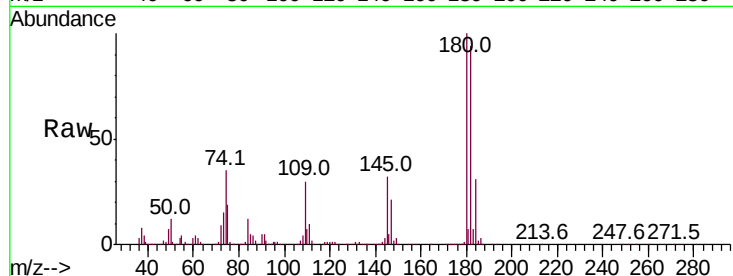




#81
 1,2,4-Trichlorobenzene
 Concen: 8.980 ppbv
 RT: 21.90 min Scan# 5943
 Delta R.T. 0.00 min
 Lab File: VL037619.D
 Acq: 16 Sep 2021 16:53

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.4	78.9	118.3
184	31.7	24.7	37.1



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

