

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036217.D
 Acq On : 13 Jan 2021 7:41
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL011321

Quant Time: Jan 13 08:21:05 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13 07:53:51 2021
 QLast Update : Wed Jan 13 07:53:51 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1452193	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3318156	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3837660	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2653095	8.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1765678	8.962	ppbv	99
3) Chlorodifluoromethane	2.98	51	1645674	9.134	ppbv	100
4) Chloromethane	3.13	50	807742	9.069	ppbv	95
5) Vinyl Chloride	3.25	62	783596	9.431	ppbv	97
6) Bromomethane	3.47	94	430983	9.853	ppbv	99
7) Chloroethane	3.55	64	270320	9.657	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	1719990	9.452	ppbv	98
9) Propene	3.00	41	766318	8.925	ppbv	98
10) Heptane	8.12	43	1993201	9.363	ppbv	99
11) Trichlorofluoromethane	3.94	101	1801618	9.333	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1132480	9.347	ppbv	98
13) Ethanol	3.60	45	89769	4.980	ppbv	92
14) Bromoethene	3.73	108	522908	10.213	ppbv	95
15) Acetone	3.84	43	1448783	8.400	ppbv	100
16) 1,3-Butadiene	3.32	39	826637	10.057	ppbv	97
17) tert-Butyl alcohol	4.29	59	1384336	9.797	ppbv	100
18) 1,1-Dichloroethene	4.28	96	521752	9.991	ppbv	95
19) Isopropyl Alcohol	3.96	45	892359	8.951	ppbv	# 97
20) Methylene Chloride	4.34	84	453789	8.592	ppbv	98
21) Allyl Chloride	4.40	41	977552	10.387	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	495645	10.181	ppbv	99
23) Vinyl Acetate	5.07	43	2128542	9.793	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1477592	9.576	ppbv	100
25) Ethyl Acetate	5.67	43	3350539	9.540	ppbv	99
26) Hexane	5.68	57	1330116	9.056	ppbv	99
27) Carbon Disulfide	4.54	76	1314574	11.135	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1948607	9.825	ppbv	96
29) Chloroform	5.75	83	1998135	9.295	ppbv	95
30) Cyclohexane	7.13	84	1109899	9.676	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1368929	9.664	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	1982549	9.566	ppbv	99
34) 2-Butanone	5.24	43	2120835	10.029	ppbv	100
35) Carbon Tetrachloride	7.01	117	2001185	9.545	ppbv	97
36) Benzene	6.89	78	2704184	8.894	ppbv	96
37) 1,2-Dichloroethane	6.30	62	1631371	8.917	ppbv	100
38) Trichloroethene	7.83	130	903475	7.946	ppbv	95
39) 1,2-Dichloropropane	7.61	63	1122518	9.093	ppbv	98
40) 1,4-Dioxane	7.83	88	208103	4.660	ppbv	# 87
41) Tetrahydrofuran	6.04	42	1316150	10.585	ppbv	96
42) Bromodichloromethane	7.79	83	2179163	9.477	ppbv	96
43) Methyl Methacrylate	8.01	69	1236648	9.731	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4776296	8.553	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1355120	11.042	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1613004	10.228	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1090466	9.234	ppbv	95
48) Dibromochloromethane	10.30	129	1755600	10.161	ppbv	99
49) Bromoform	13.04	173	1478377	10.480	ppbv	98
50) 4-Methyl-2-Pentanone	8.73	43	3341057	9.424	ppbv	100
51) 2-Hexanone	10.13	43	2811389	10.169	ppbv #	99
52) Tetrachloroethene	11.22	164	901808	8.049	ppbv	97
53) Toluene	9.80	91	3072301	9.129	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1613315	9.321	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	1298001	7.579	ppbv #	57
57) Chlorobenzene	12.14	112	2161369	7.178	ppbv	96
58) Ethyl Benzene	12.71	91	4208241	7.390	ppbv	100
59) m/p-Xylene	12.99	91	3477407	7.106	ppbv #	33
60) o-Xylene	13.69	91	3245819	6.881	ppbv	99
61) Styrene	13.53	104	2396946	8.047	ppbv	99
62) Isopropylbenzene	14.67	105	4946166	7.053	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	2295995	6.537	ppbv	99
64) n-propylbenzene	15.56	120	1282749	7.444	ppbv	97
65) tert-Butylbenzene	16.75	119	4159736	7.000	ppbv	99
66) Benzyl Chloride	16.99	91	1486755	9.793	ppbv	99
67) sec-Butylbenzene	17.30	105	6021875	6.827	ppbv	100
69) p-Isopropyltoluene	17.65	119	4910593	7.103	ppbv	100
70) n-Butylbenzene	18.55	91	5244045	7.035	ppbv	99
71) 2-Chlorotoluene	15.45	91	3911500	7.096	ppbv	99
72) 4-Ethyltoluene	15.84	105	3903046	7.333	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	3687428	7.267	ppbv	97
74) 1,2,4-Trimethylbenzene	16.77	105	3644115	7.002	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	1993606	7.325	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1968086	7.548	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	1947265	7.280	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1485789	6.973	ppbv	98
79) Naphthalene	22.20	128	1480338	4.972	ppbv	97
80) Naphthalene, 2-methyl-	24.98	142	1013944	16.608	ppbv	98
81) 1,2,4-Trichlorobenzene	21.92	180	1442868	8.627	ppbv	99

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

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ClientSampleId :
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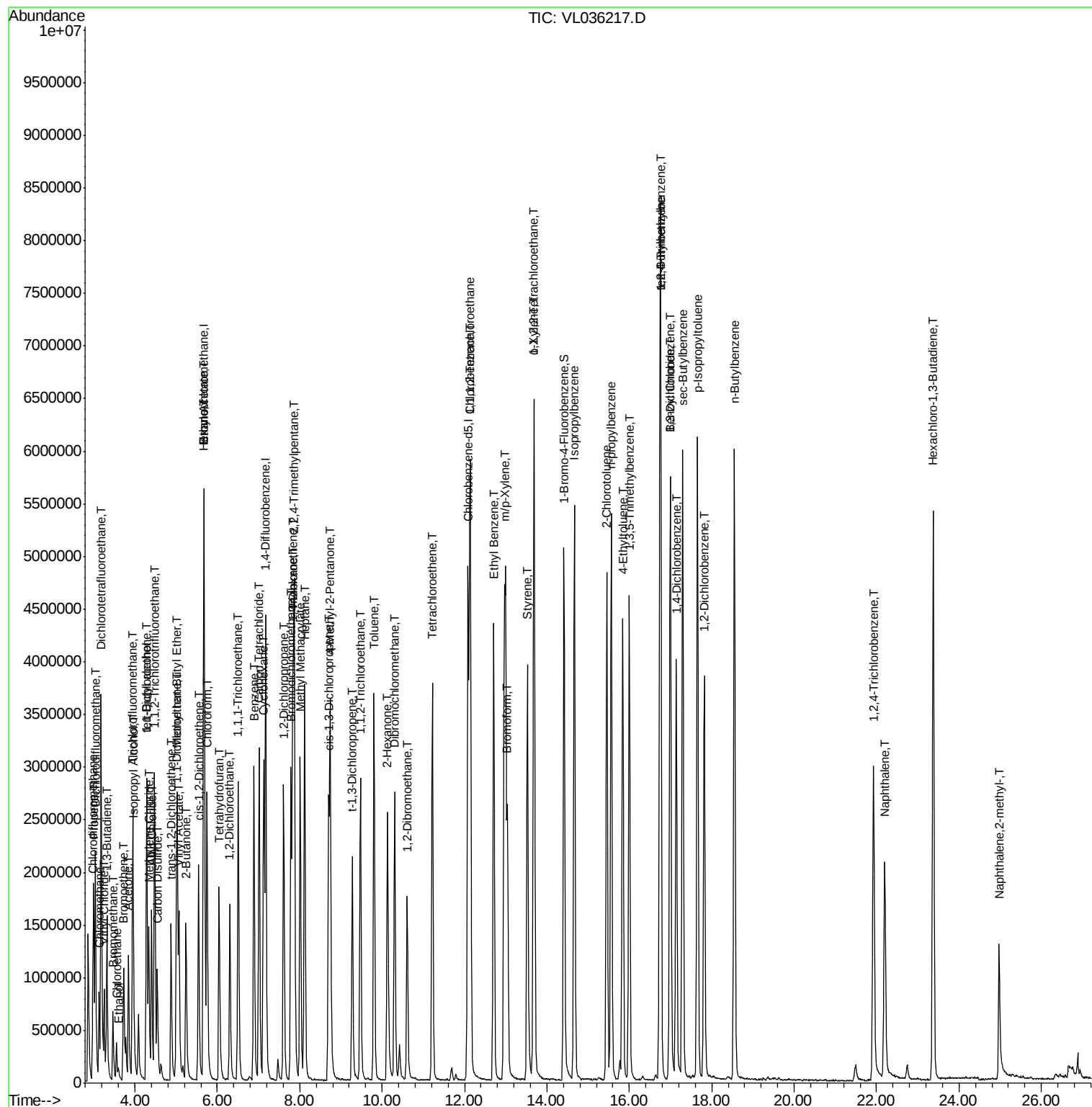
Quant Time: Jan 13 08:21:05 2021

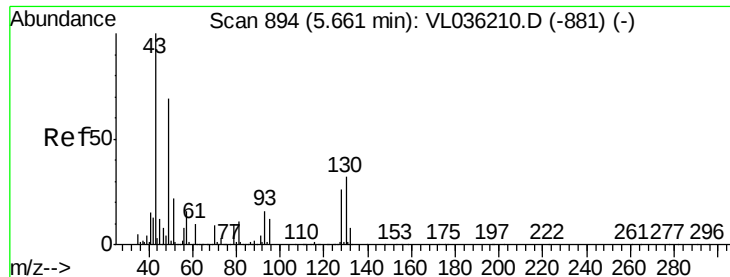
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M

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QLast Update : Wed Jan 13 07:53:51 2021

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

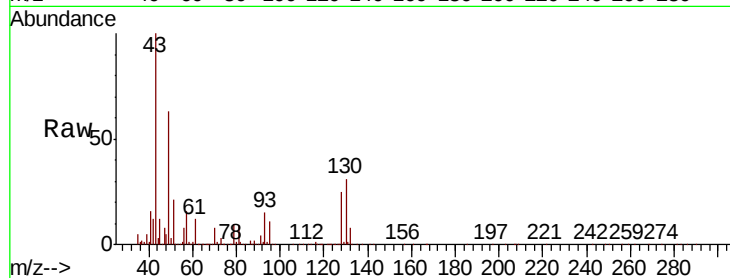
MSVOA_L

ClientSampleId :

ICVVL011321

Tot Ion: 49 Resp: 1452193

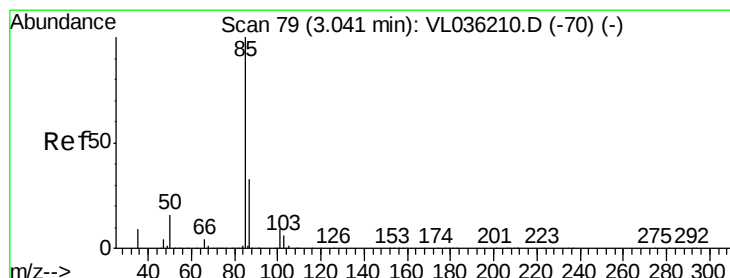
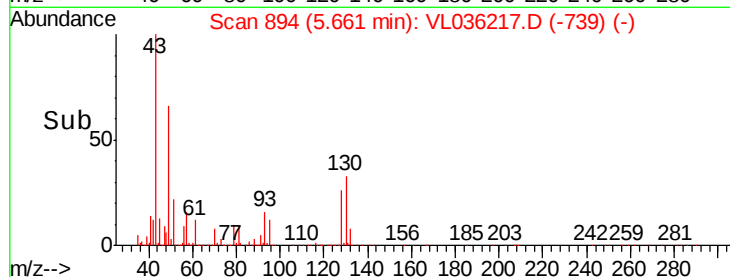
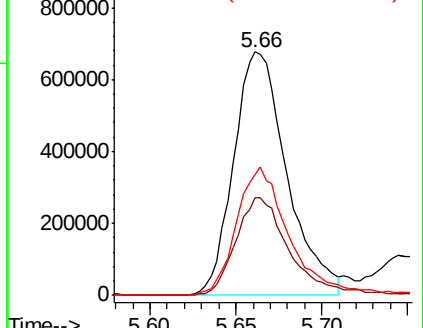
Ion	Ratio	Lower	Upper
49	100		
128	41.4	20.1	60.2
130	53.7	25.3	75.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.962 ppbv

RT: 3.04 min Scan# 79

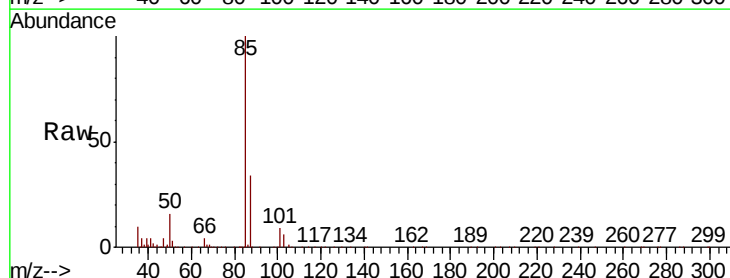
Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

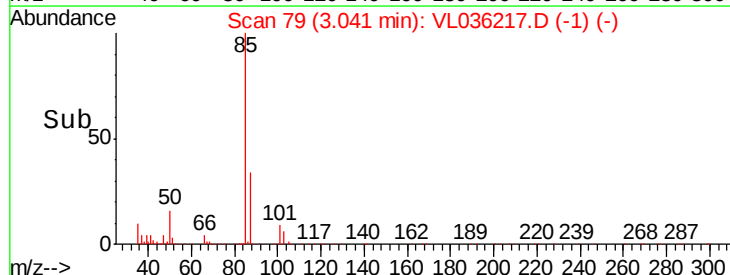
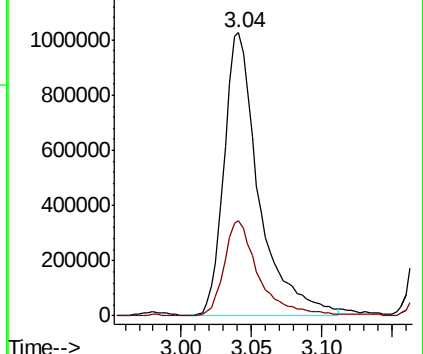
Tgt Ion: 85 Resp: 1765678

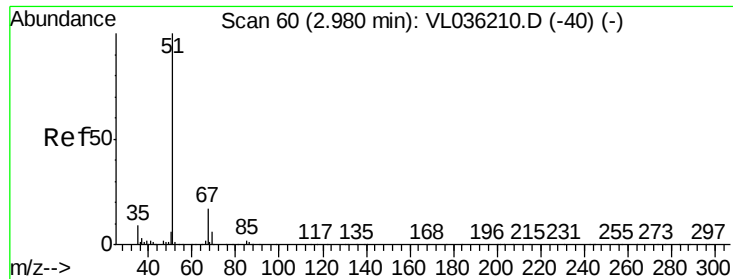
Ion	Ratio	Lower	Upper
85	100		
87	33.6	26.4	39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.134 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

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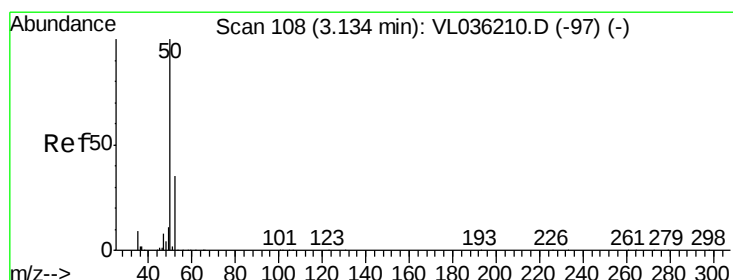
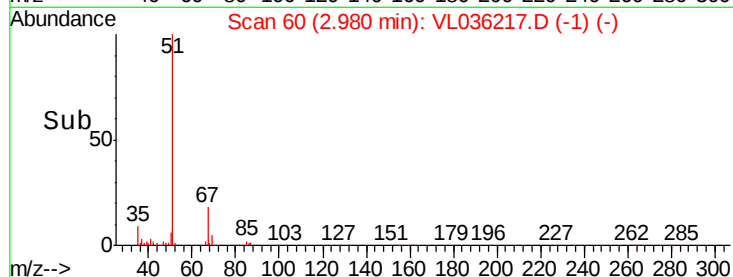
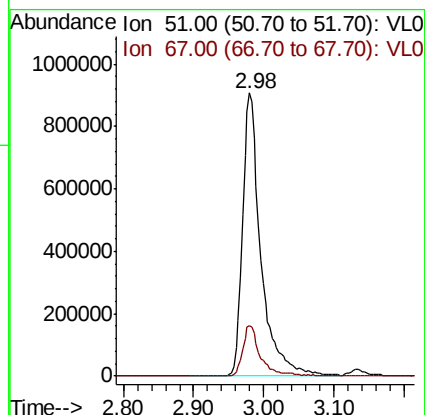
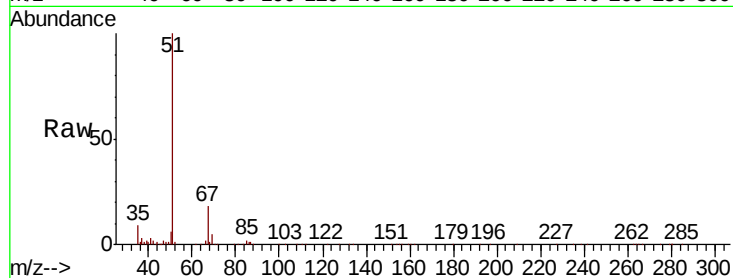
ICVVL011321

Tot Ion: 51 Resp: 1645674

Ion Ratio Lower Upper

51 100

67 17.7 14.0 21.0



#4

Chloromethane

Concen: 9.069 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.00 min

Lab File: VL036217.D

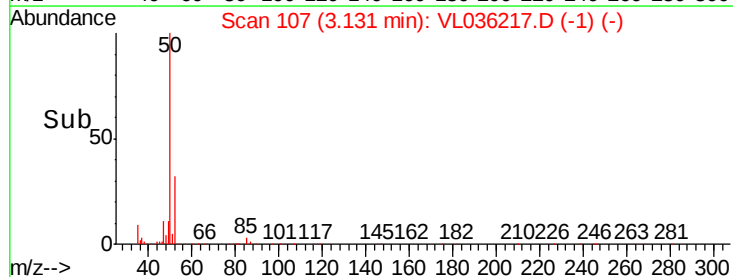
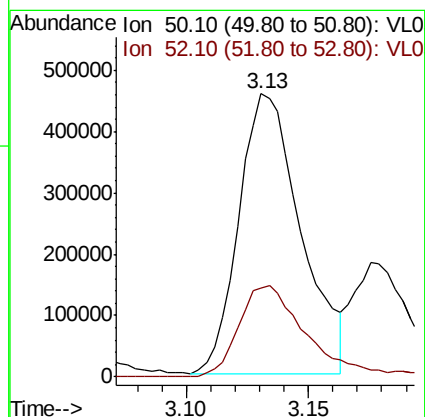
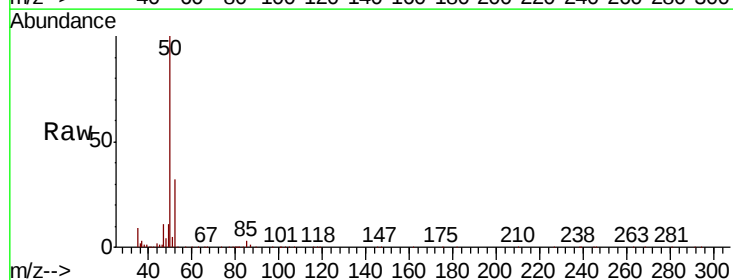
Acq: 13 Jan 2021 7:41

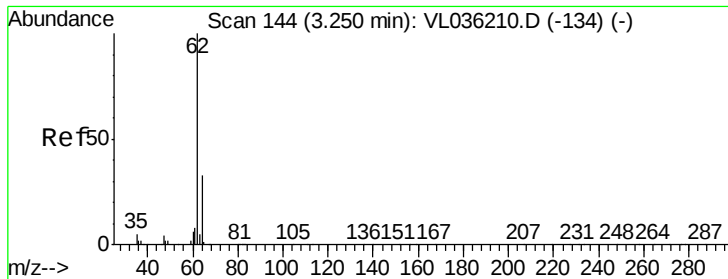
Tgt Ion: 50 Resp: 807742

Ion Ratio Lower Upper

50 100

52 31.6 27.8 41.8





#5

Vinyl Chloride

Concen: 9.431 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

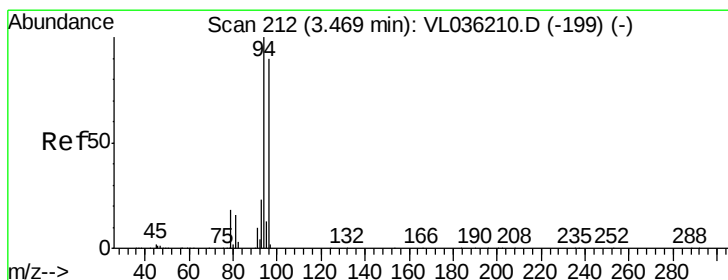
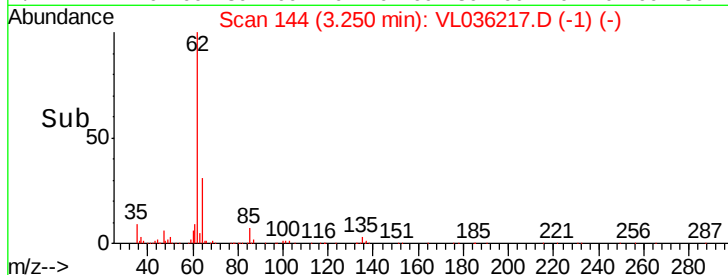
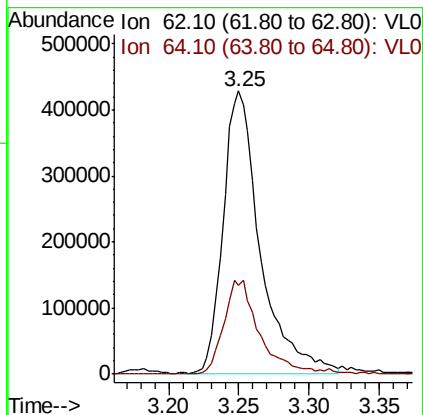
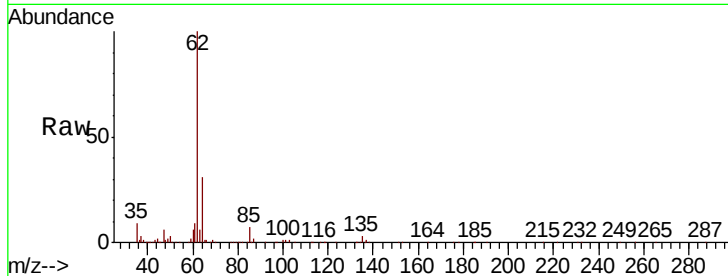
ICVVL011321

Tot Ion: 62 Resp: 783596

Ion Ratio Lower Upper

62 100

64 31.3 26.2 39.2



#6

Bromomethane

Concen: 9.853 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL036217.D

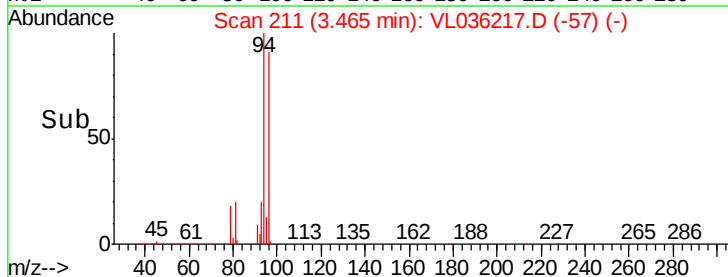
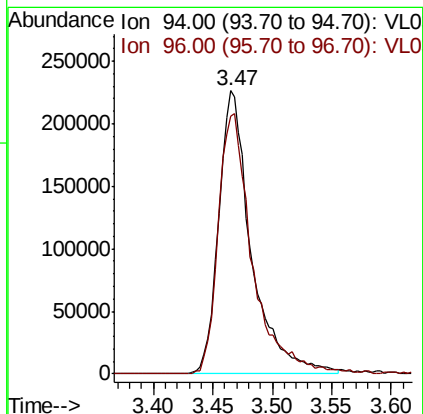
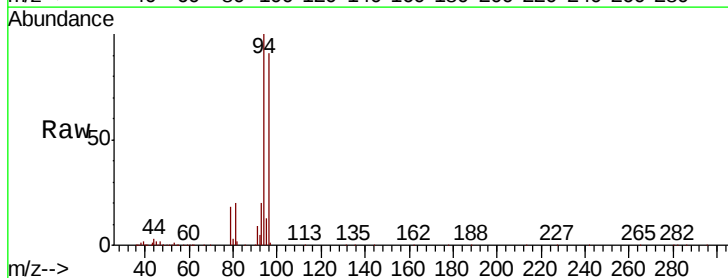
Acq: 13 Jan 2021 7:41

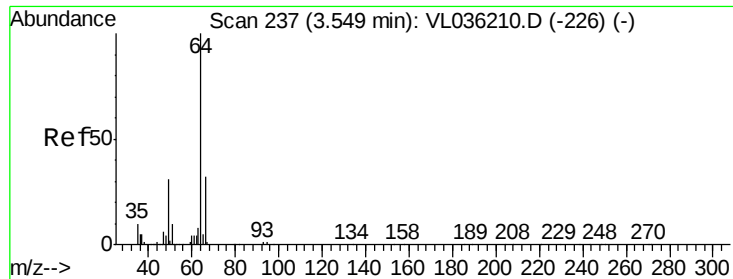
Tgt Ion: 94 Resp: 430983

Ion Ratio Lower Upper

94 100

96 91.1 71.9 107.9





#7

Chloroethane

Concen: 9.657 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

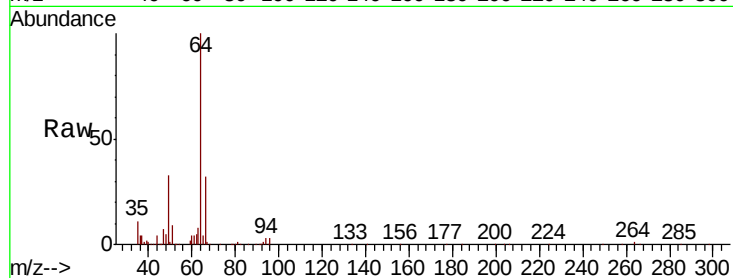
ICVVL011321

Tot Ion: 64 Resp: 270320

Ion Ratio Lower Upper

64 100

66 32.0 25.2 37.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

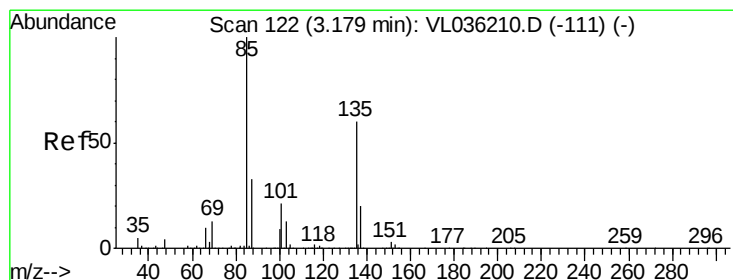
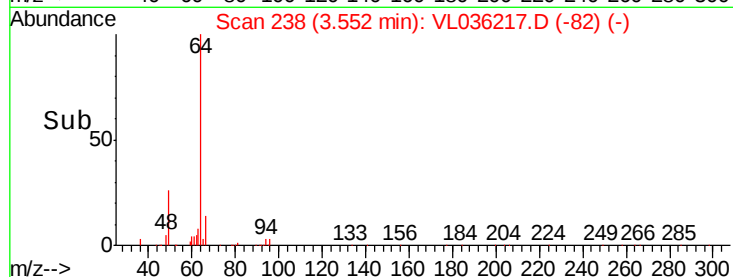
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.452 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.00 min

Lab File: VL036217.D

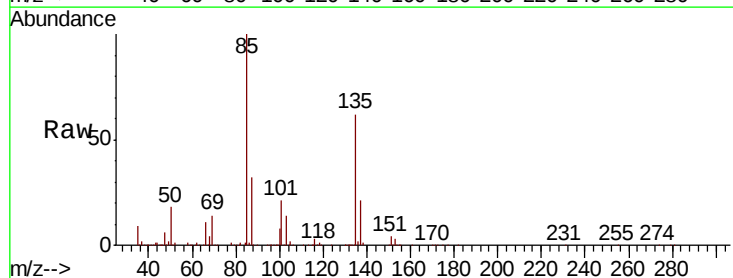
Acq: 13 Jan 2021 7:41

Tgt Ion: 85 Resp: 1719990

Ion Ratio Lower Upper

85 100

135 66.2 51.5 77.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1200000

1000000

800000

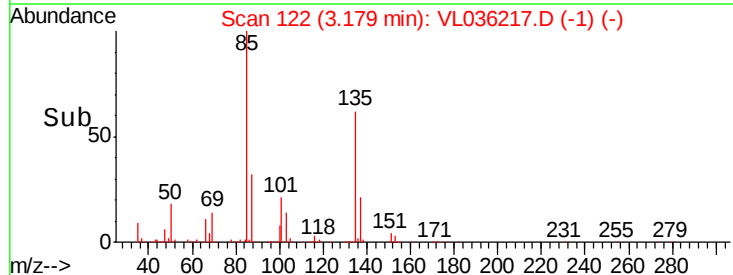
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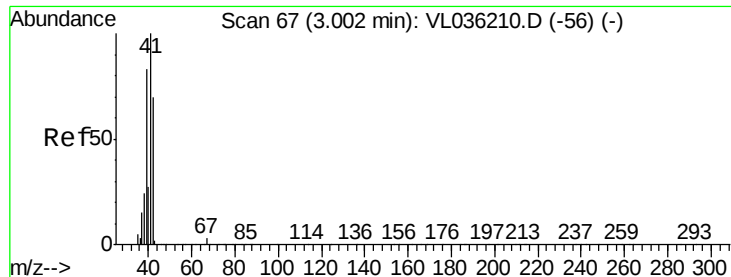
400000

200000

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Time-->





#9

Propene

Concen: 8.925 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL036217.D

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Instrument :

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ClientSampleId :

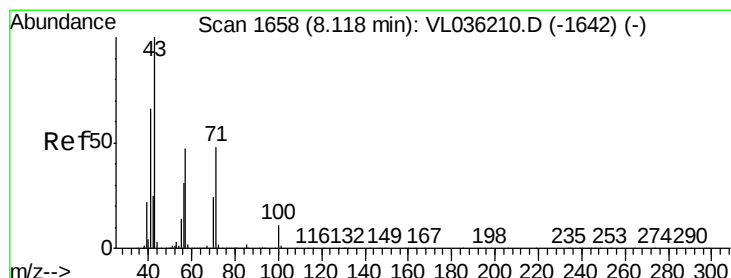
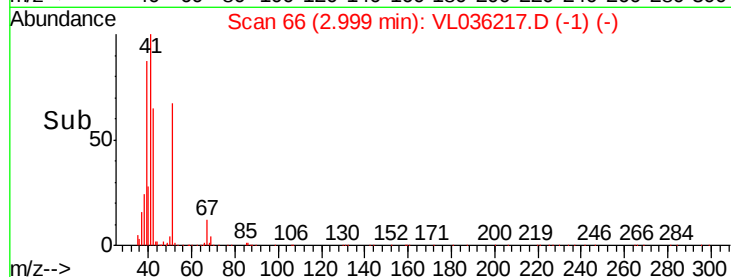
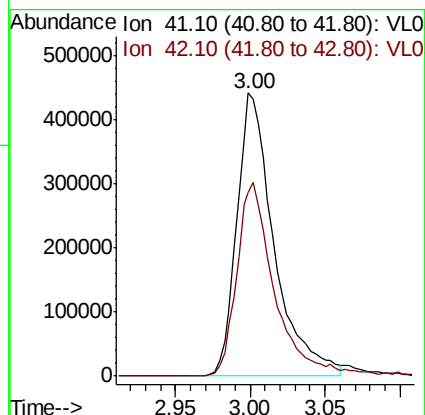
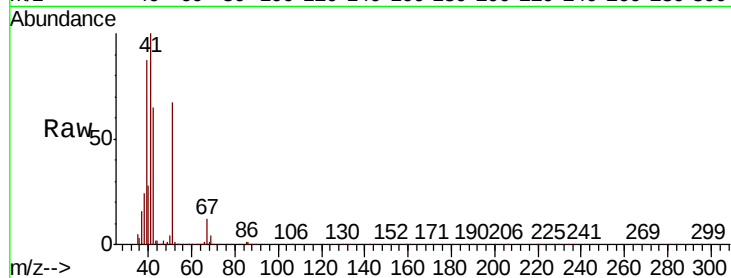
ICVVL011321

Tot Ion: 41 Resp: 766318

Ion Ratio Lower Upper

41 100

42 70.1 57.1 85.7



#10

Heptane

Concen: 9.363 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VL036217.D

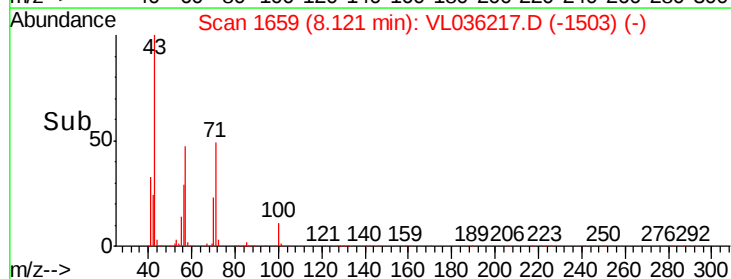
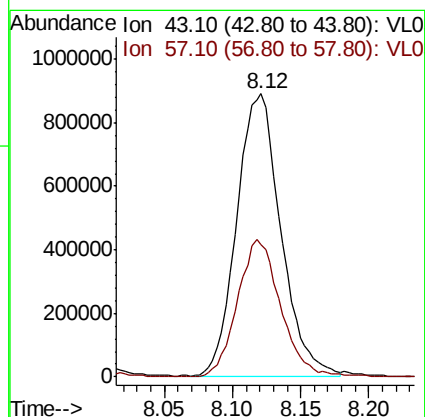
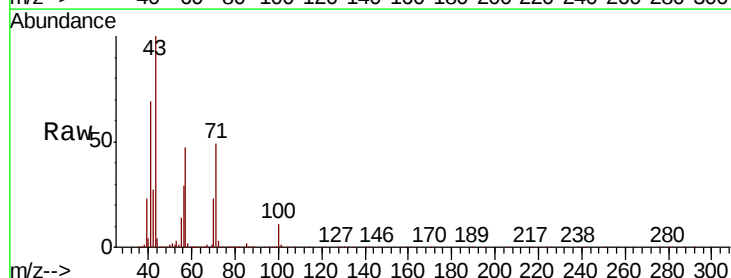
Acq: 13 Jan 2021 7:41

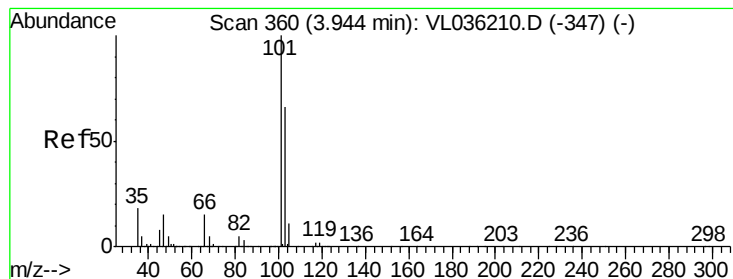
Tgt Ion: 43 Resp: 1993201

Ion Ratio Lower Upper

43 100

57 48.1 38.1 57.1





#11

Trichlorofluoromethane

Concen: 9.333 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

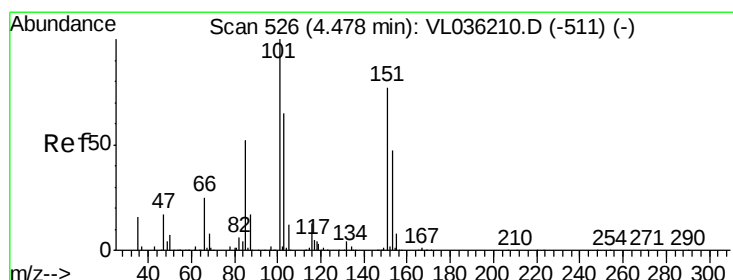
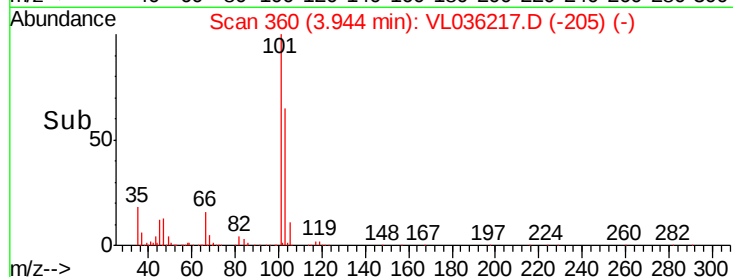
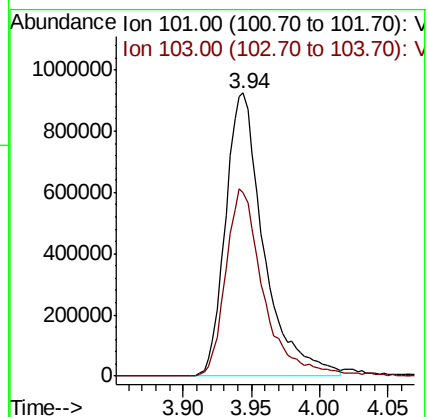
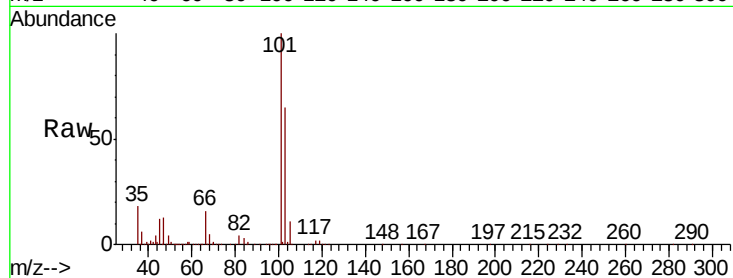
ICVVL011321

Tot Ion:101 Resp: 1801618

Ion Ratio Lower Upper

101 100

103 64.9 52.6 78.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.347 ppbv

RT: 4.48 min Scan# 526

Delta R.T. -0.00 min

Lab File: VL036217.D

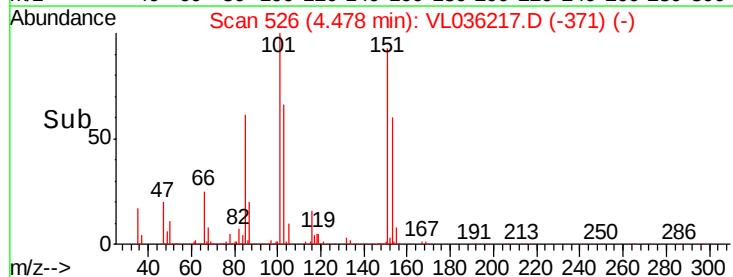
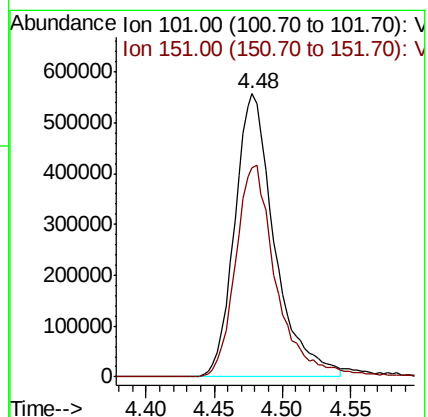
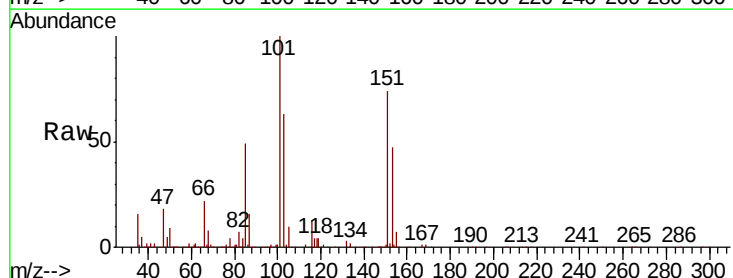
Acq: 13 Jan 2021 7:41

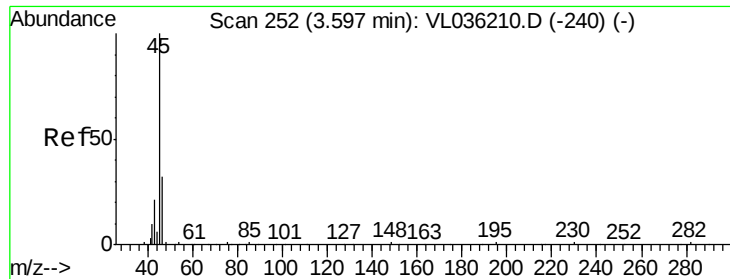
Tgt Ion:101 Resp: 1132480

Ion Ratio Lower Upper

101 100

151 76.7 59.8 89.6





#13

Ethanol

Concen: 4.980 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

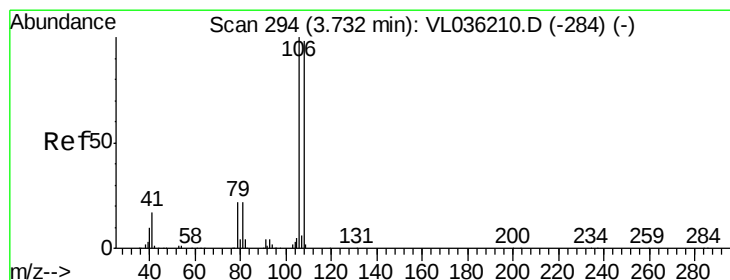
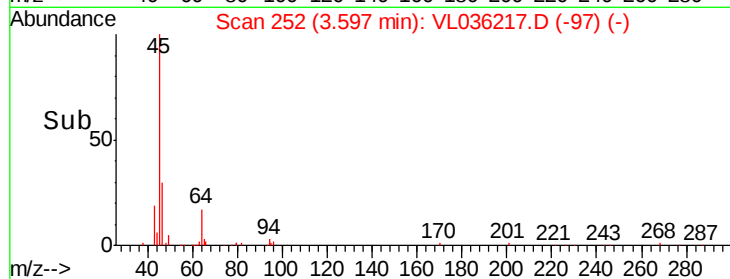
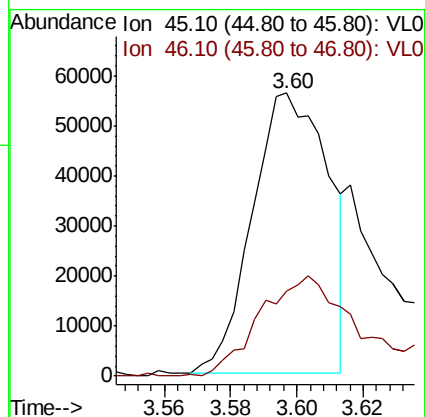
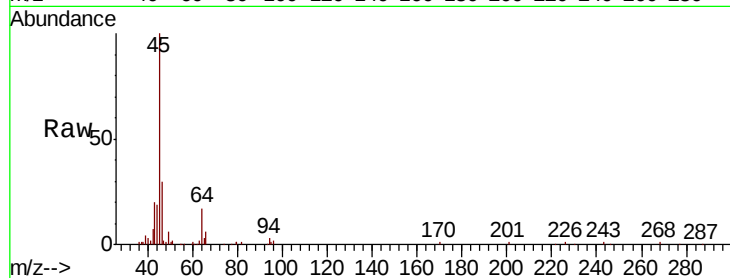
ICVVL011321

Tot Ion: 45 Resp: 89769

Ion Ratio Lower Upper

45 100

46 53.4 19.2 77.0



#14

Bromoethene

Concen: 10.213 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

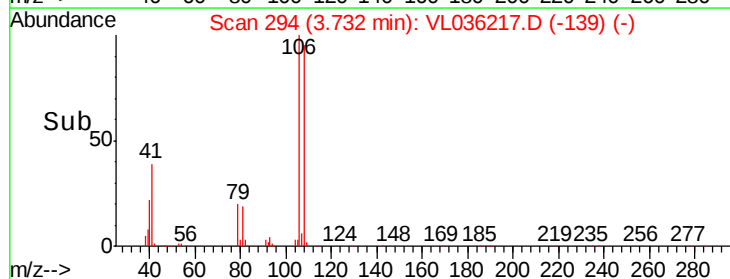
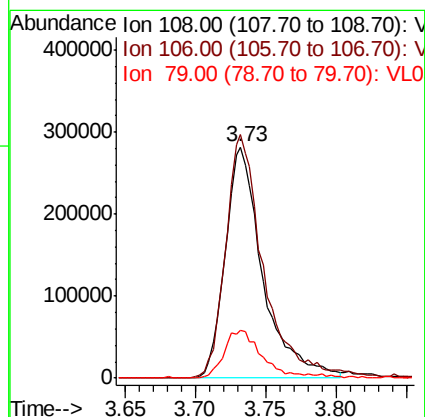
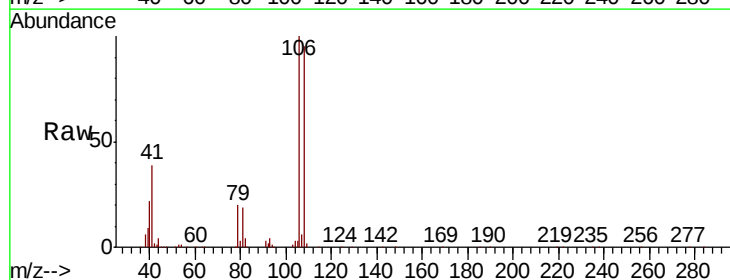
Tgt Ion: 108 Resp: 522908

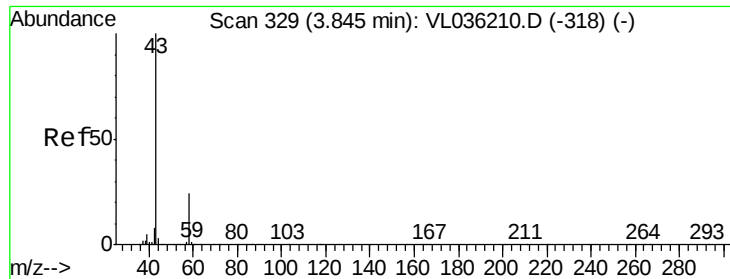
Ion Ratio Lower Upper

108 100

106 107.5 91.4 137.2

79 22.3 18.3 27.5





#15

Acetone

Concen: 8.400 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

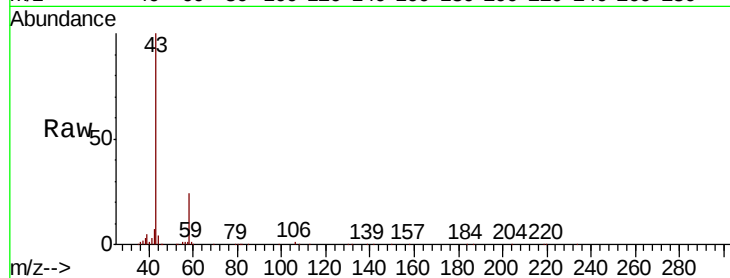
ICVVL011321

Tot Ion: 43 Resp: 1448783

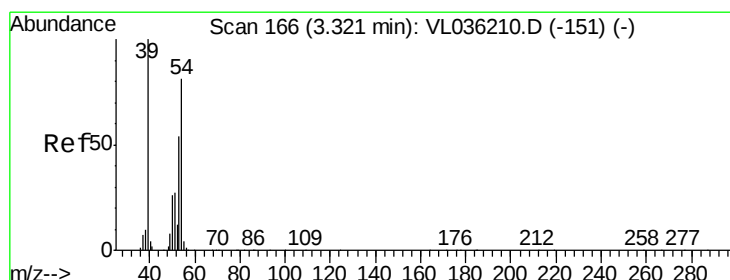
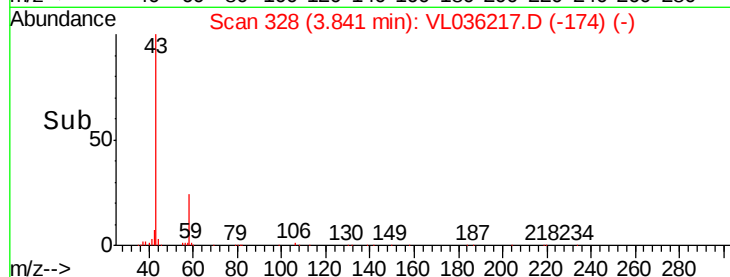
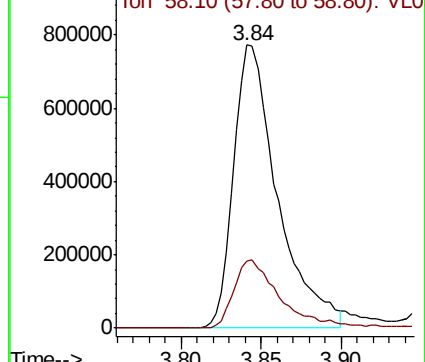
Ion Ratio Lower Upper

43 100

58 26.2 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0



#16

1,3-Butadiene

Concen: 10.057 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL036217.D

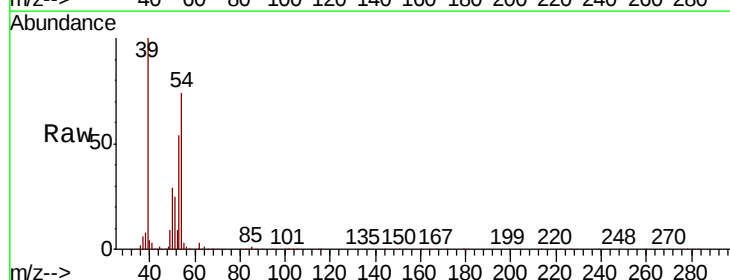
Acq: 13 Jan 2021 7:41

Tgt Ion: 39 Resp: 826637

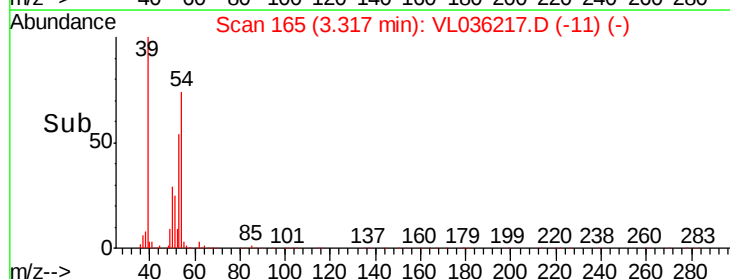
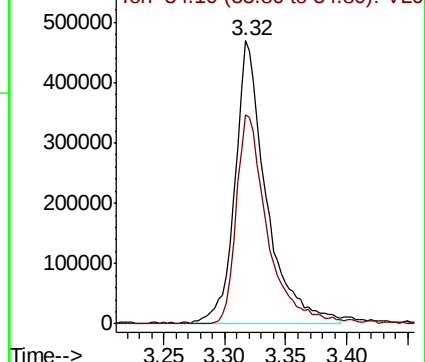
Ion Ratio Lower Upper

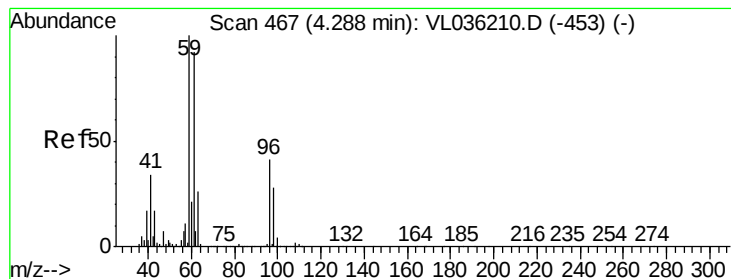
39 100

54 75.5 62.5 93.7



Abundance Ion 39.10 (38.80 to 39.80): VL0





#17

tert-Butyl alcohol

Concen: 9.797 ppbv

RT: 4.29 min Scan# 466

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

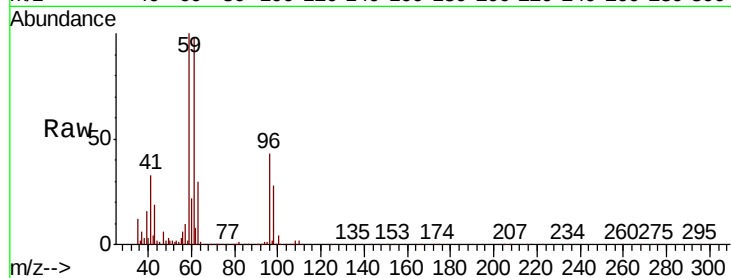
ICVVL011321

Tot Ion: 59 Resp: 1384336

Ion Ratio Lower Upper

59 100

57 11.3 9.2 13.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

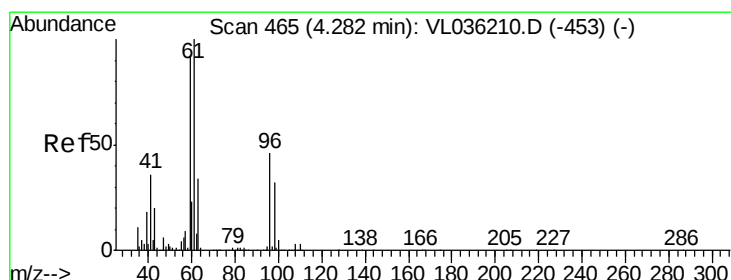
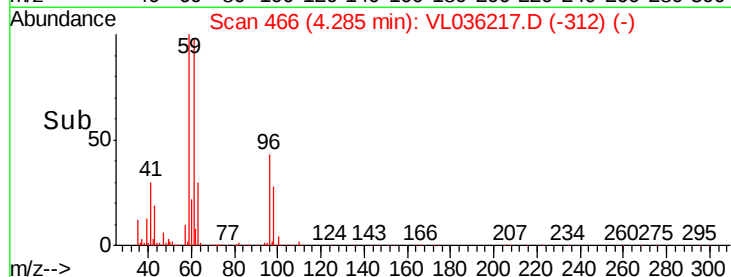
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.991 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

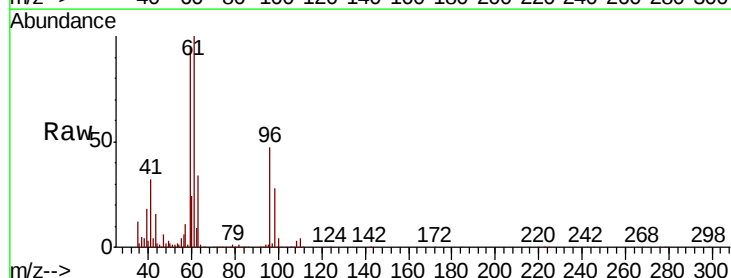
Tgt Ion: 96 Resp: 521752

Ion Ratio Lower Upper

96 100

61 211.4 173.4 260.0

98 59.9 54.9 82.3



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

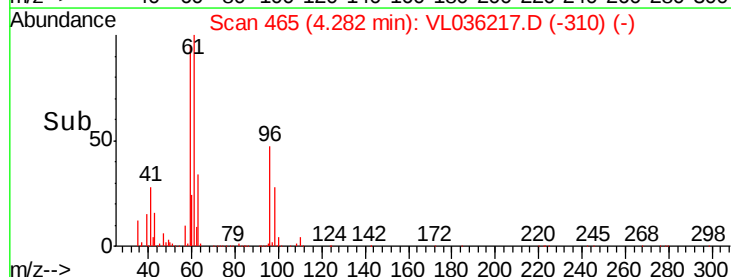
600000

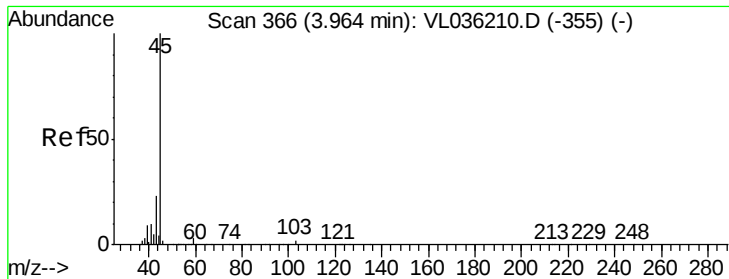
400000

200000

0

Time-->

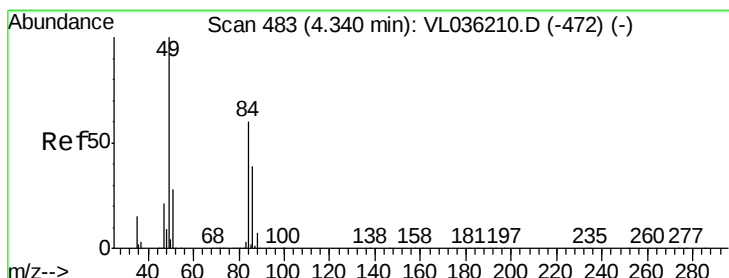
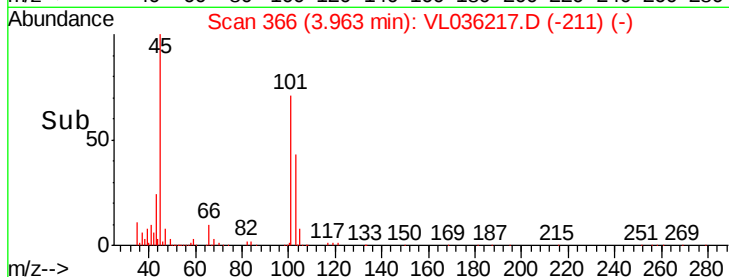
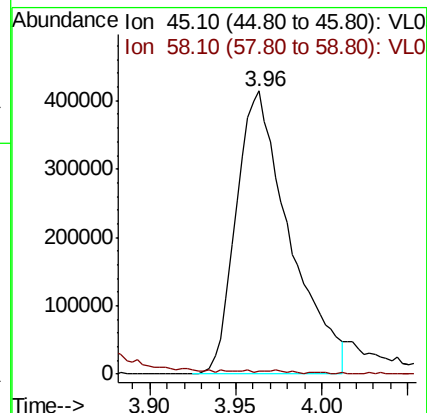
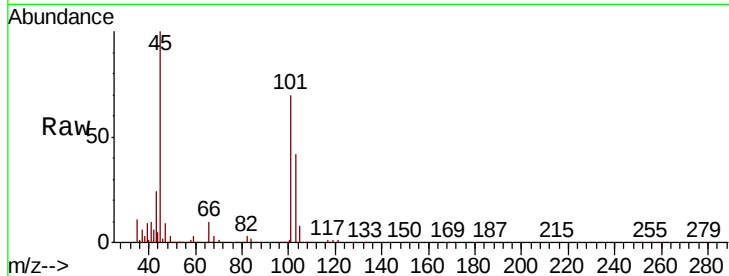




#19
Isopropyl Alcohol
Concen: 8.951 ppbv
RT: 3.96 min Scan# 366
Delta R.T. -0.00 min
Lab File: VL036217.D
Acq: 13 Jan 2021 7:41

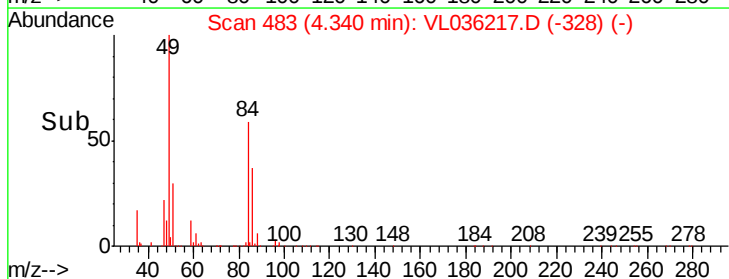
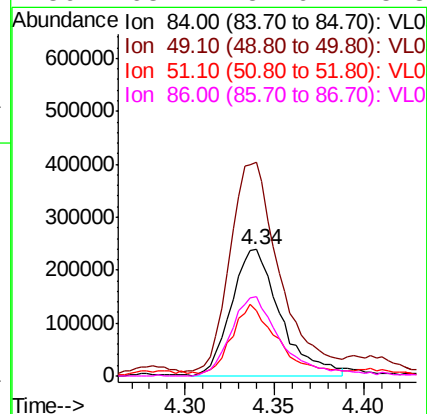
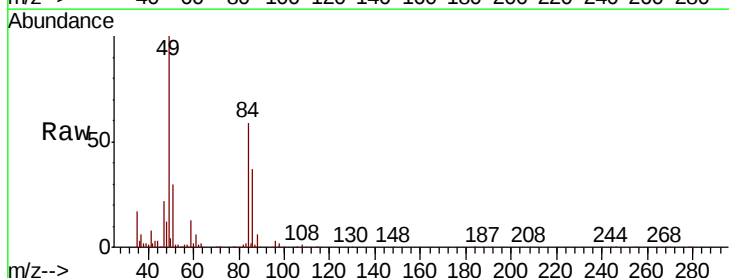
Instrument :
MSVOA_L
ClientSampleId :
ICVVL011321

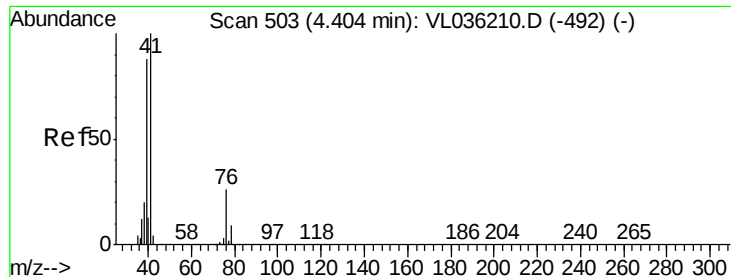
Tot Ion: 45 Resp: 892359
Ion Ratio Lower Upper
45 100
58 1.3 1.9 2.9#



#20
Methylene Chloride
Concen: 8.592 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL036217.D
Acq: 13 Jan 2021 7:41

Tgt Ion: 84 Resp: 453789
Ion Ratio Lower Upper
84 100
49 166.1 134.1 201.1
51 48.8 37.4 56.0
86 63.1 52.6 78.8





#21

Allvl Chloride

Concen: 10.387 ppbv

RT: 4.40 min Scan# 503

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL011321

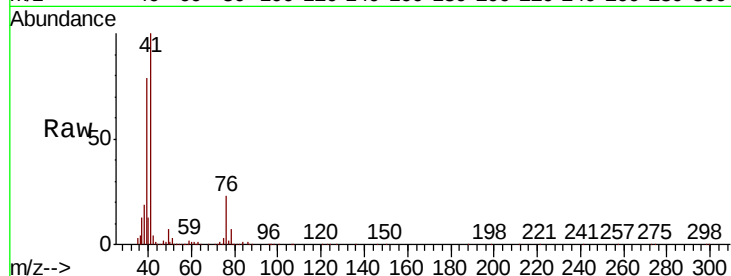
Tot Ion: 41 Resp: 977552

Ion Ratio Lower Upper

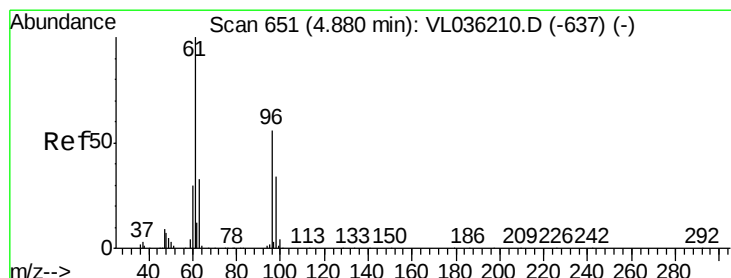
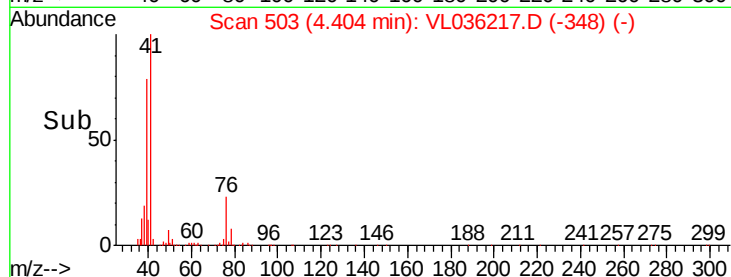
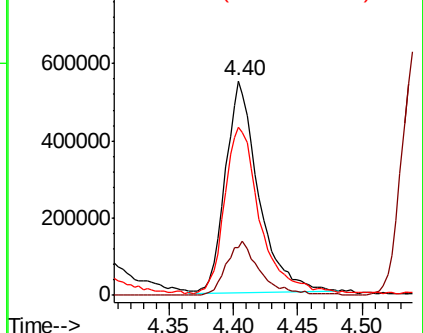
41 100

76 26.0 20.5 30.7

39 88.6 67.8 101.8



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.181 ppbv

RT: 4.88 min Scan# 651

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

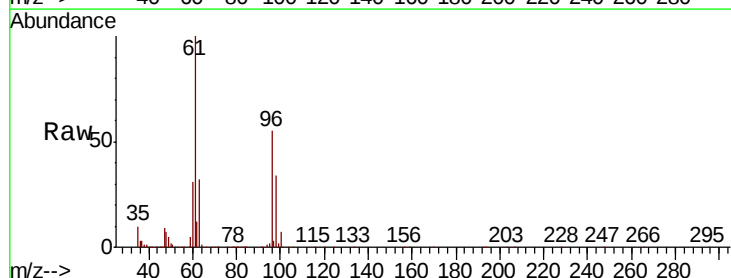
Tgt Ion: 96 Resp: 495645

Ion Ratio Lower Upper

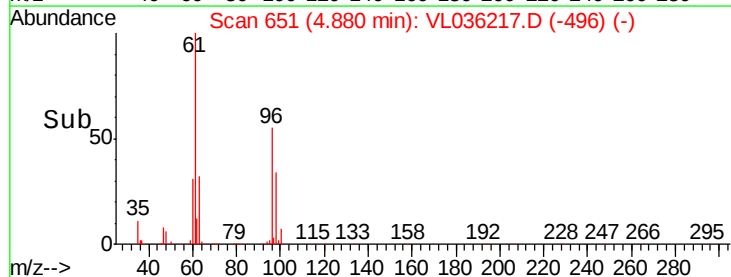
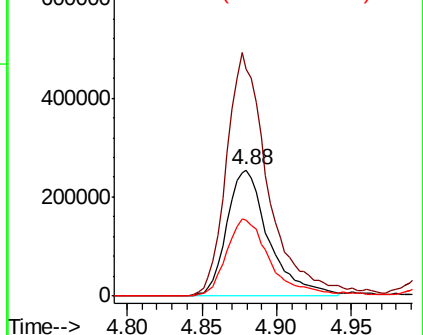
96 100

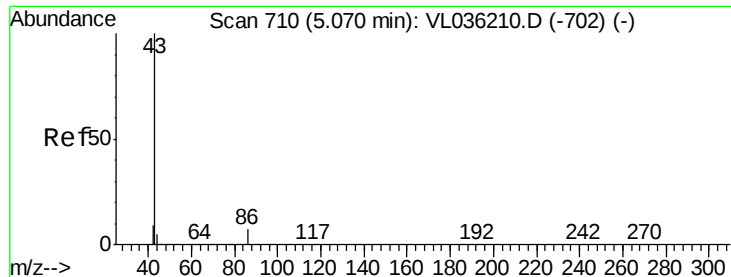
61 180.5 142.7 214.1

98 60.8 48.7 73.1



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



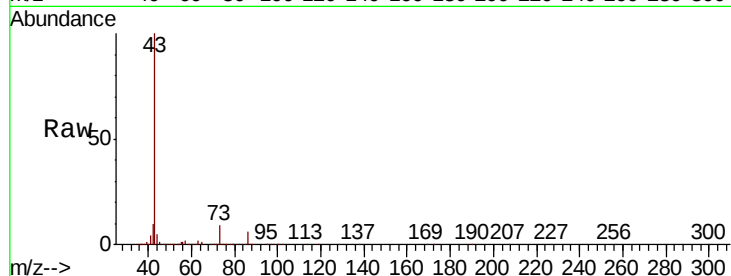


#23
 Vinyl Acetate
 Concen: 9.793 ppbv
 RT: 5.07 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: VL036217.D
 Acq: 13 Jan 2021 7:41

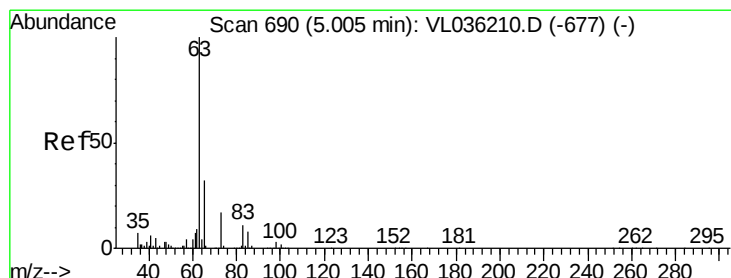
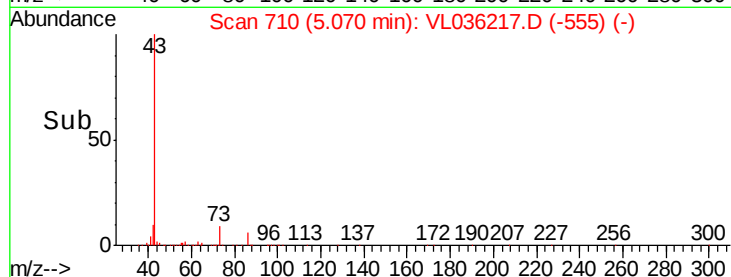
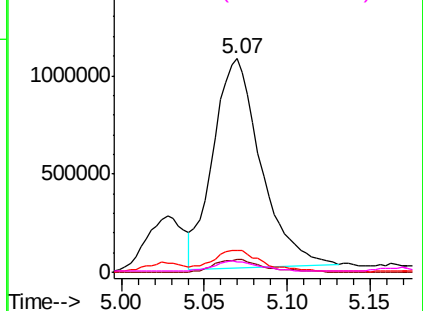
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL011321

Tot Ion: 43 Resp: 2128542

Ion	Ratio	Lower	Upper
43	100		
86	6.1	4.9	7.3
42	10.3	7.8	11.6
44	4.8	3.7	5.5



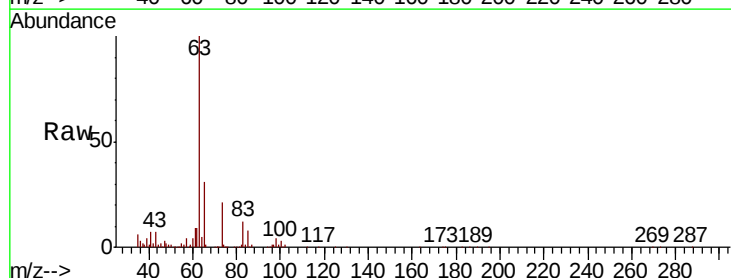
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0



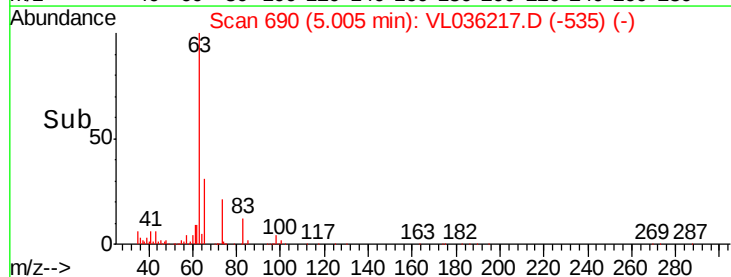
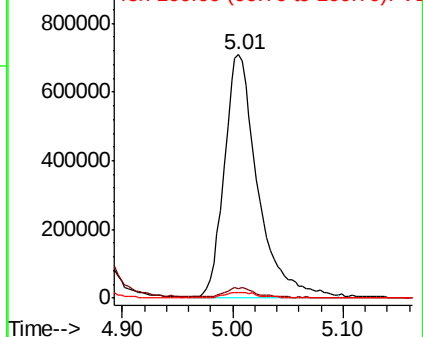
#24
 1,1-Dichloroethane
 Concen: 9.576 ppbv
 RT: 5.01 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VL036217.D
 Acq: 13 Jan 2021 7:41

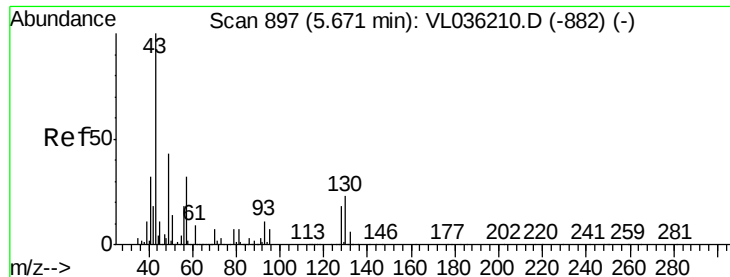
Tgt Ion: 63 Resp: 1477592

Ion	Ratio	Lower	Upper
63	100		
98	3.4	1.7	5.1
100	2.5	1.1	3.1



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

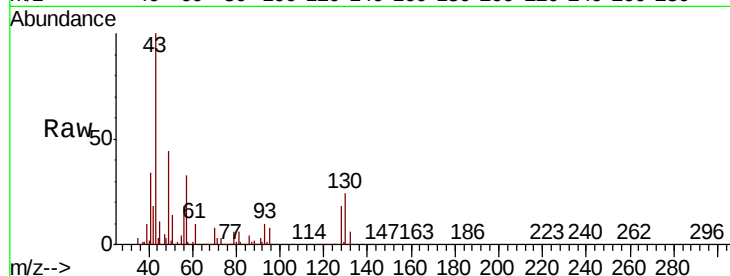




#25
Ethyl Acetate
Concen: 9.540 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL036217.D
Acq: 13 Jan 2021 7:41

Instrument :
MSVOA_L
ClientSampleId :
ICVVL011321

Tot Ion:	43	Resp:	3350539
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.3	12.5
61	9.4	7.4	11.2
70	6.6	5.5	8.3



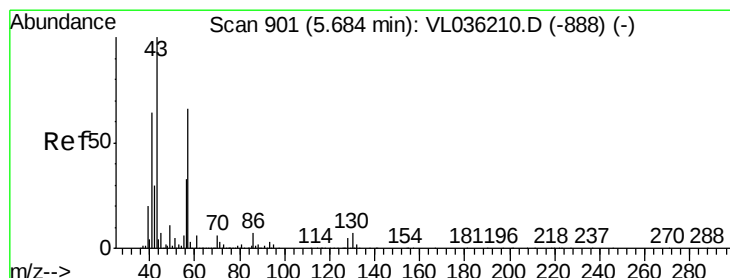
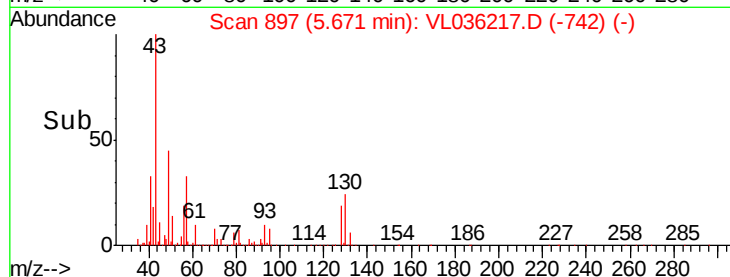
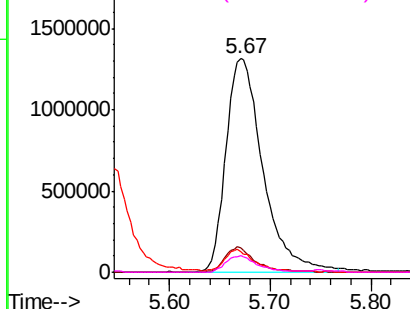
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

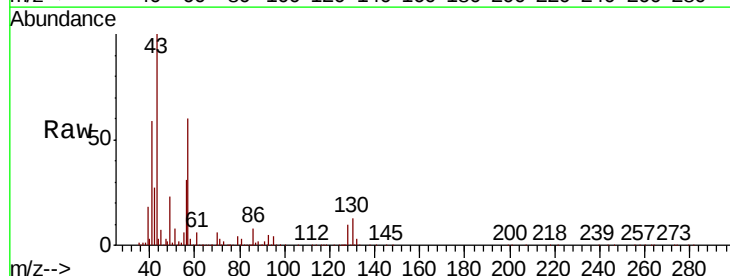
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.056 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036217.D
Acq: 13 Jan 2021 7:41

Tgt Ion:	57	Resp:	1330116
Ion	Ratio	Lower	Upper
57	100		
41	103.1	83.0	124.6
43	254.5	202.4	303.6
56	54.2	43.4	65.0



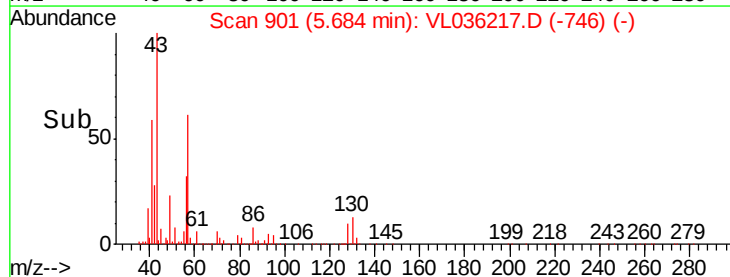
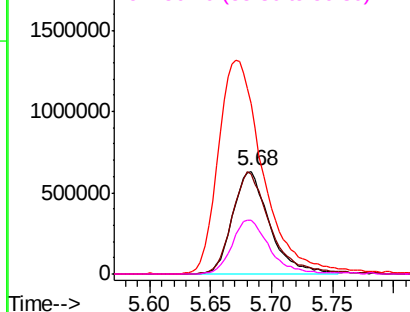
Abundance

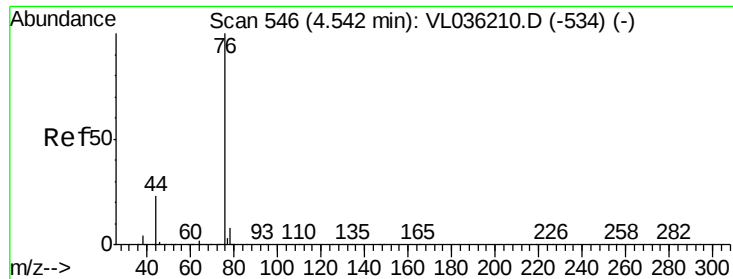
Ion 57.10 (56.80 to 57.80): VL0

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: 11.135 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL011321

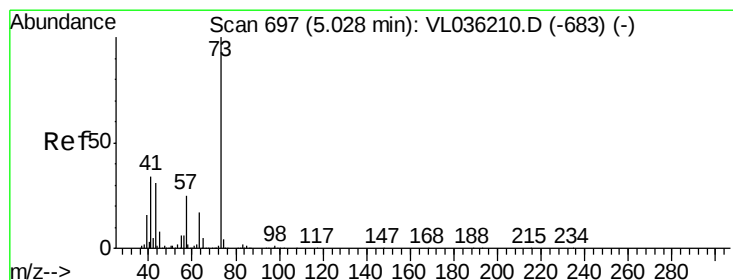
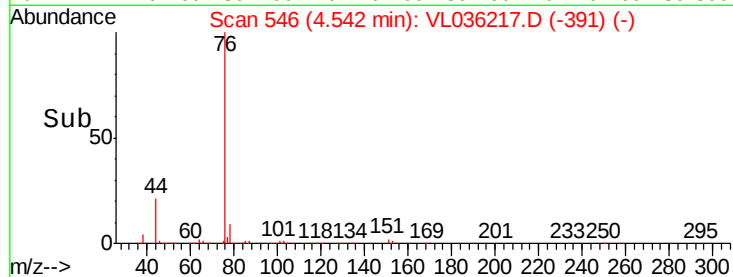
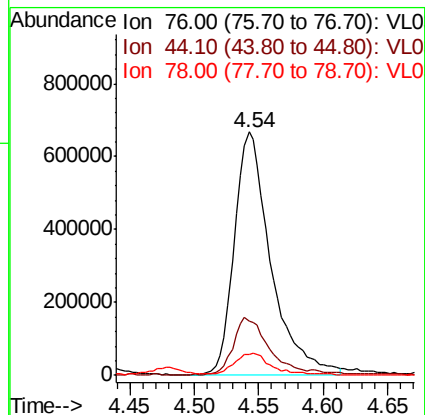
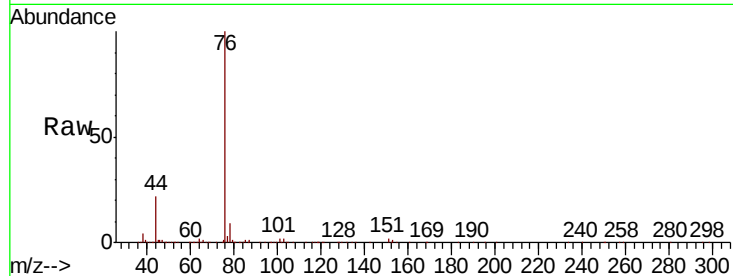
Tot Ion: 76 Resp: 1314574

Ion Ratio Lower Upper

76 100

44 23.6 19.0 28.6

78 9.4 8.0 12.0



#28

Methyl tert-Butyl Ether

Concen: 9.825 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.00 min

Lab File: VL036217.D

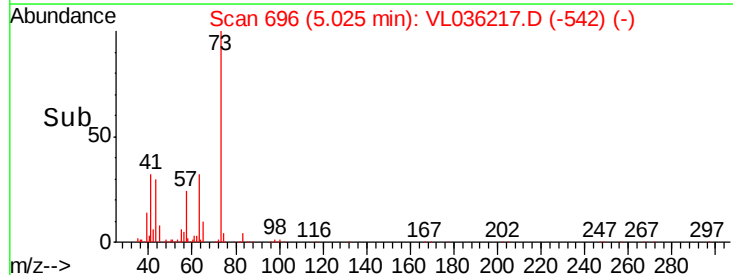
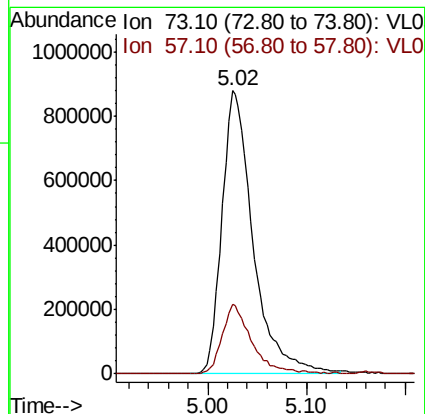
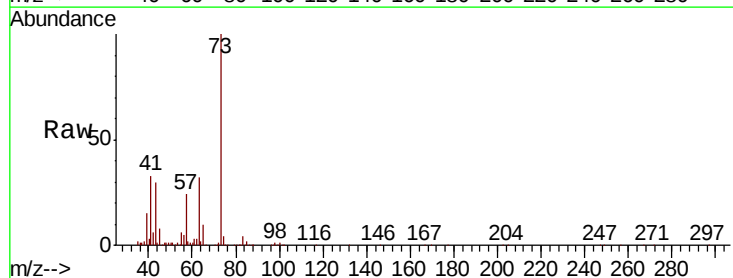
Acq: 13 Jan 2021 7:41

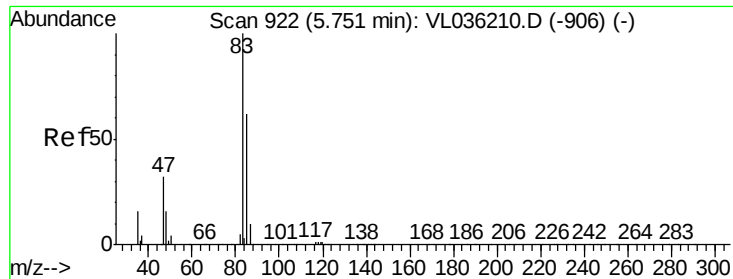
Tgt Ion: 73 Resp: 1948607

Ion Ratio Lower Upper

73 100

57 23.7 20.4 30.6





#29

Chloroform

Concen: 9.295 ppbv

RT: 5.75 min Scan# 921

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

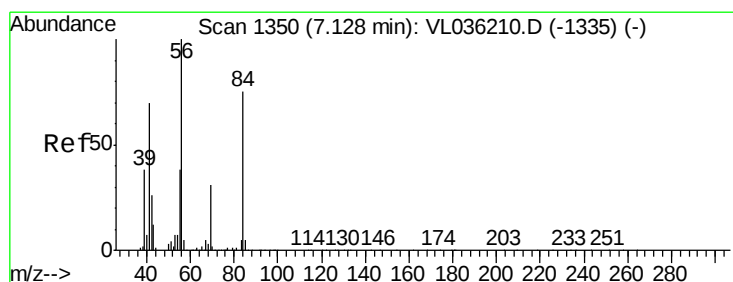
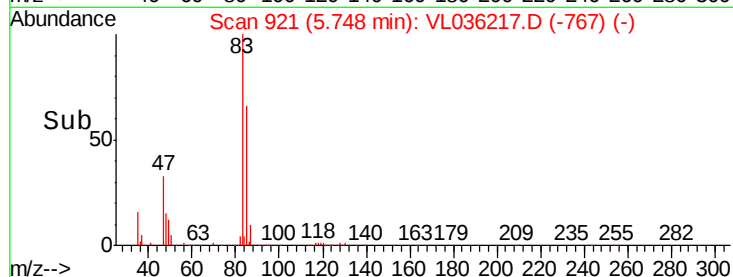
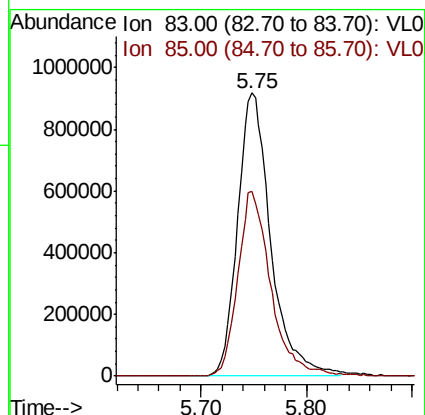
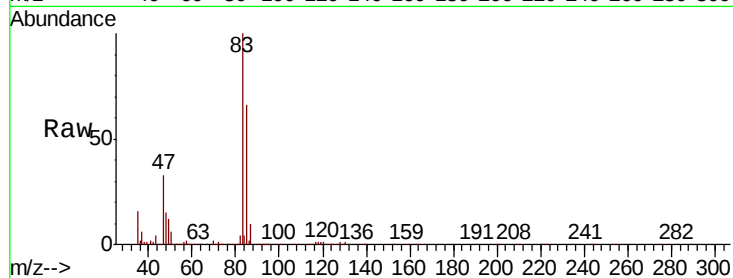
ICVVL011321

Tot Ion: 83 Resp: 1998135

Ion Ratio Lower Upper

83 100

85 65.3 49.3 73.9



#30

Cyclohexane

Concen: 9.676 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

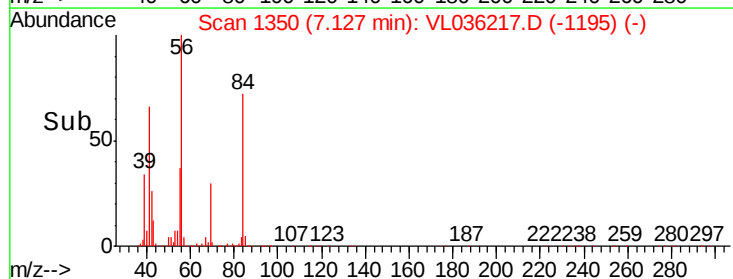
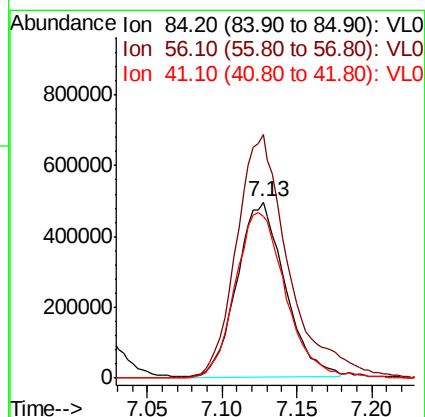
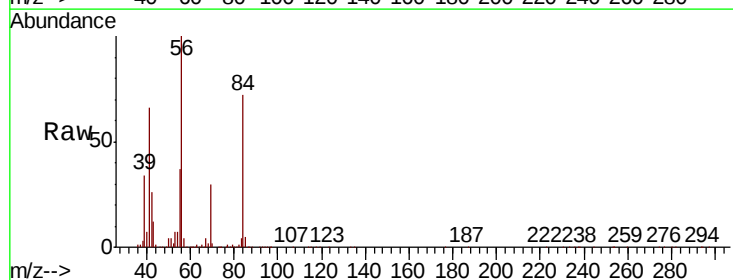
Tgt Ion: 84 Resp: 1109899

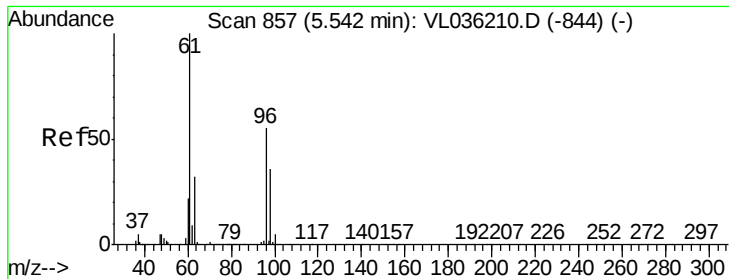
Ion Ratio Lower Upper

84 100

56 151.7 119.4 179.0

41 98.5 79.4 119.0



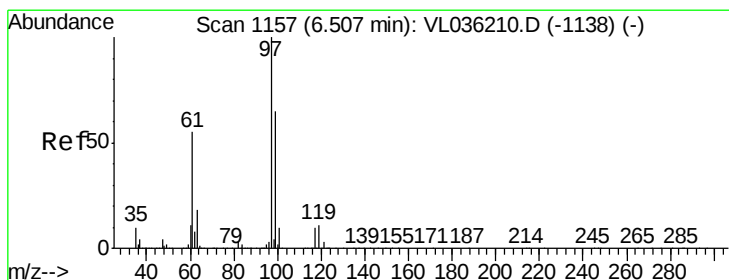
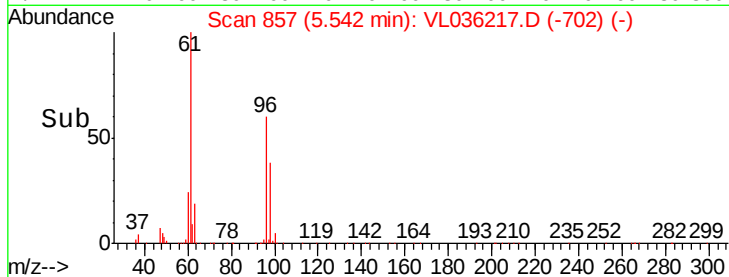
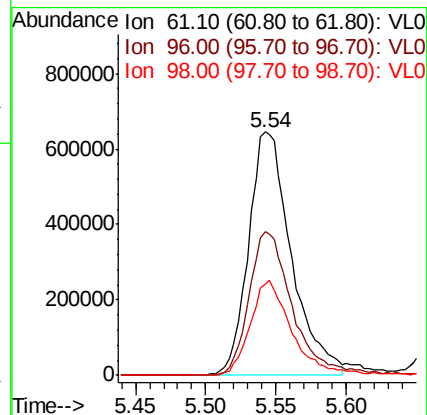
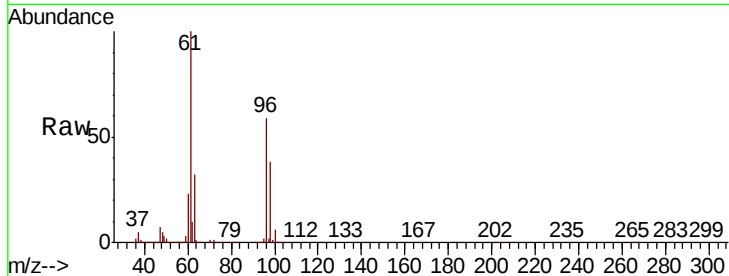


#31

cis-1,2-Dichloroethene
 Concen: 9.664 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VL036217.D
 Acq: 13 Jan 2021 7:41

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL011321

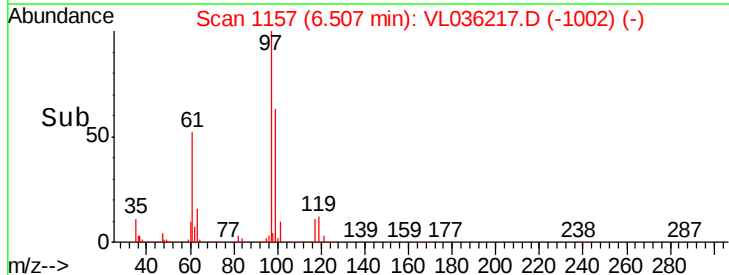
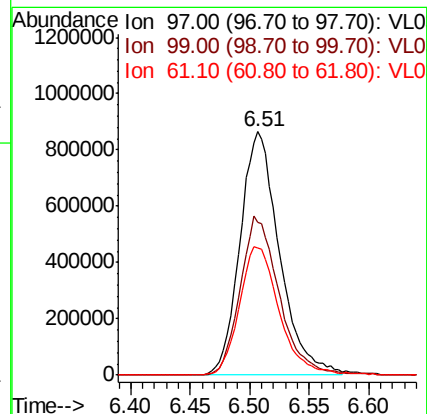
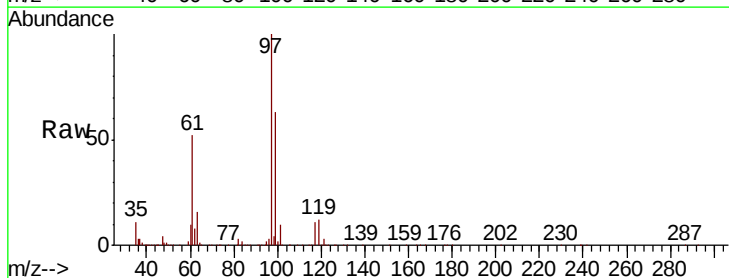
Tot Ion: 61 Resp: 1368929
 Ion Ratio Lower Upper
 61 100
 96 59.2 44.1 66.1
 98 37.4 28.6 42.8

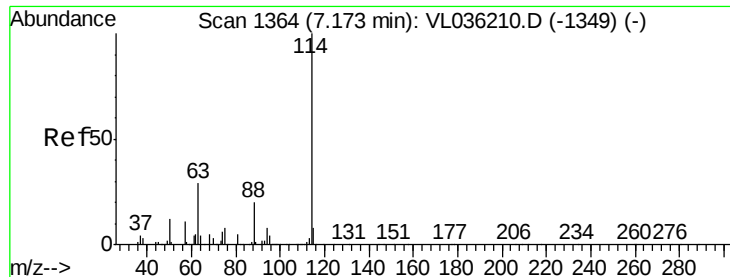


#32

1,1,1-Trichloroethane
 Concen: 9.566 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. -0.00 min
 Lab File: VL036217.D
 Acq: 13 Jan 2021 7:41

Tgt Ion: 97 Resp: 1982549
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.0 78.0
 61 53.6 43.6 65.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL011321

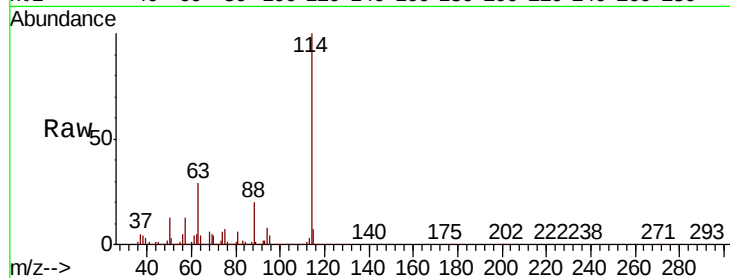
Tot Ion:114 Resp: 3318156

Ion Ratio Lower Upper

114 100

63 30.5 24.7 37.1

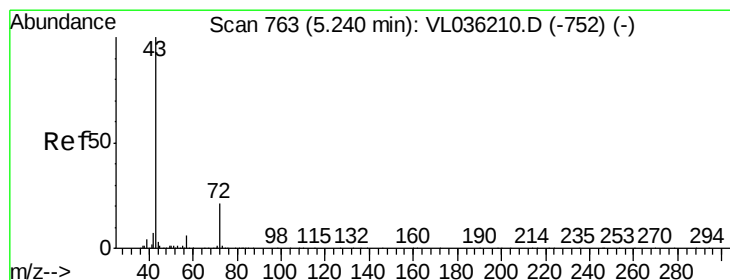
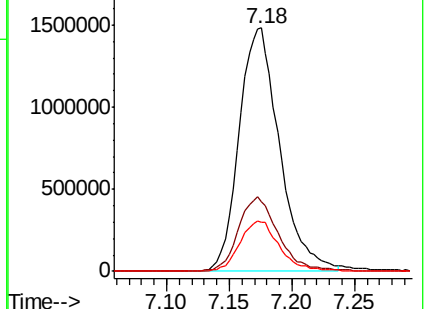
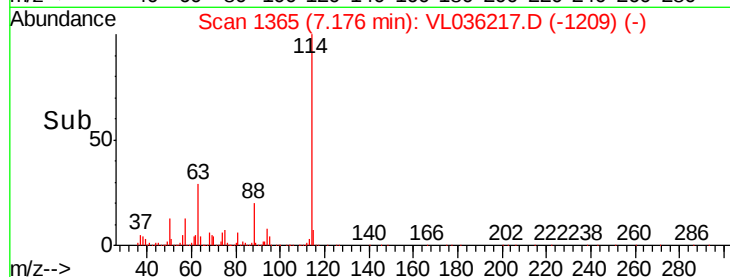
88 20.6 16.6 24.8



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.029 ppbv

RT: 5.24 min Scan# 763

Delta R.T. -0.00 min

Lab File: VL036217.D

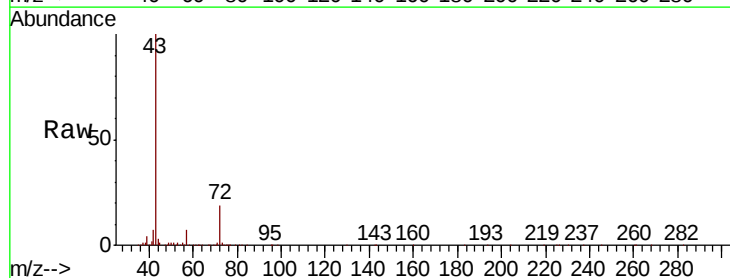
Acq: 13 Jan 2021 7:41

Tgt Ion: 43 Resp: 2120835

Ion Ratio Lower Upper

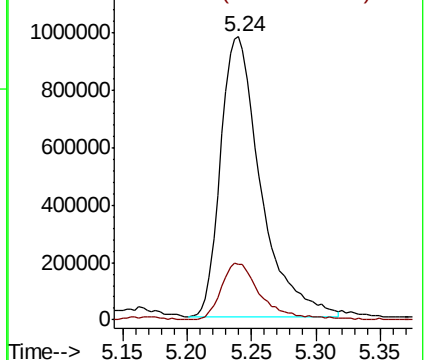
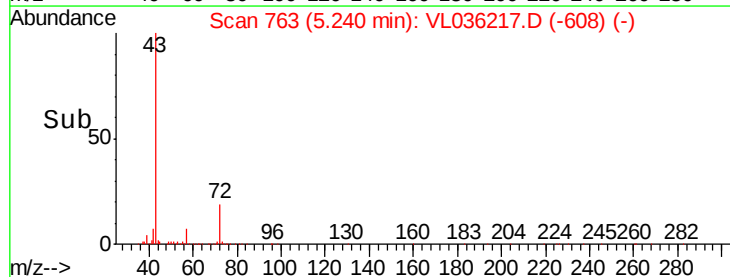
43 100

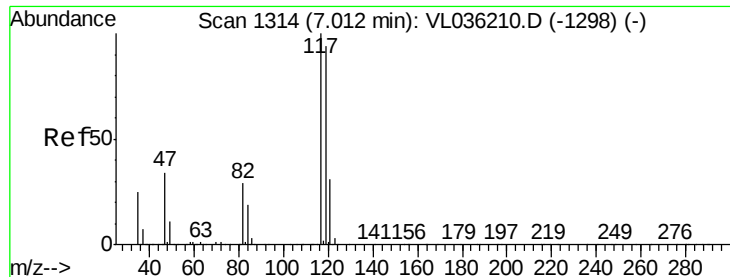
72 20.3 16.1 24.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.545 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL011321

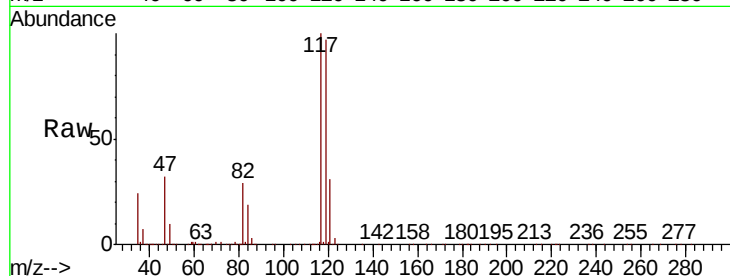
Tot Ion:117 Resp: 2001185

Ion Ratio Lower Upper

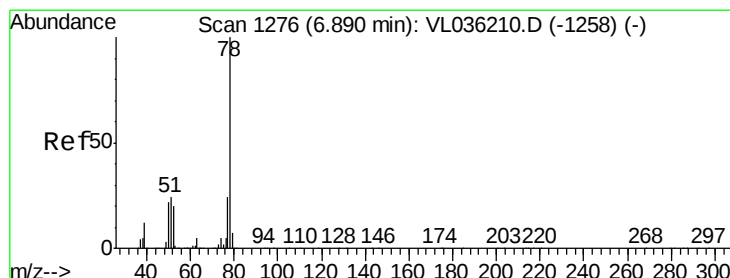
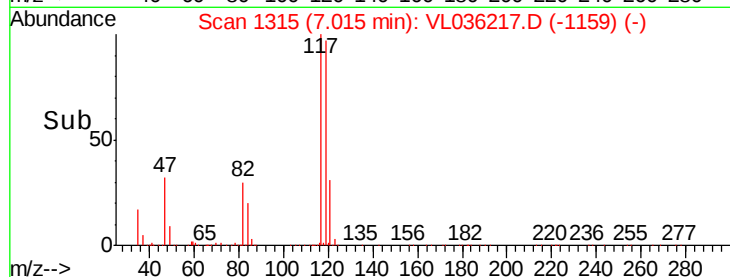
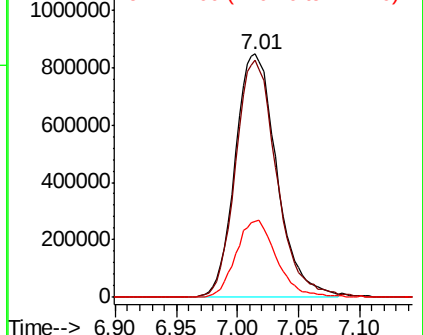
117 100

119 97.4 74.9 112.3

121 31.1 25.0 37.6



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.894 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

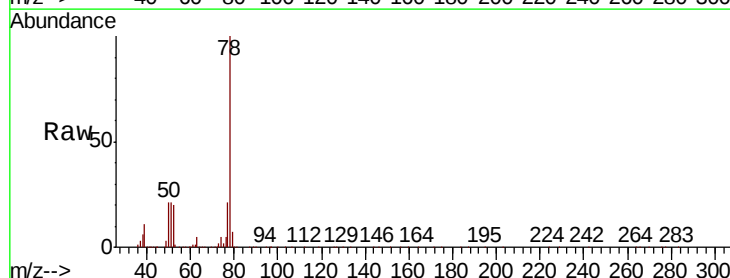
Tgt Ion: 78 Resp: 2704184

Ion Ratio Lower Upper

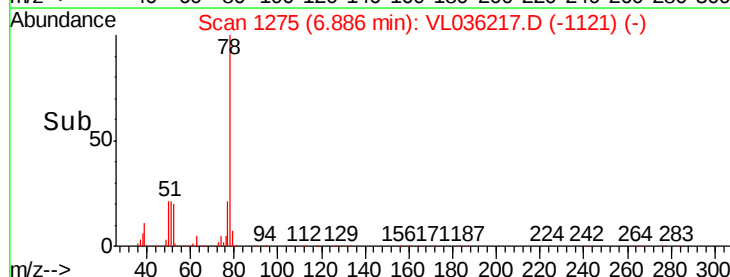
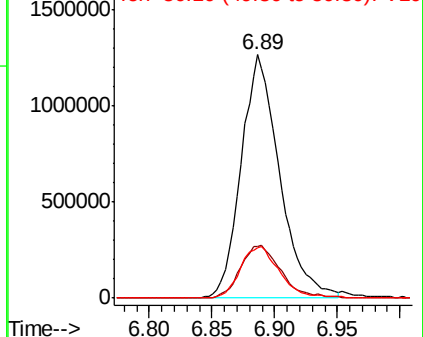
78 100

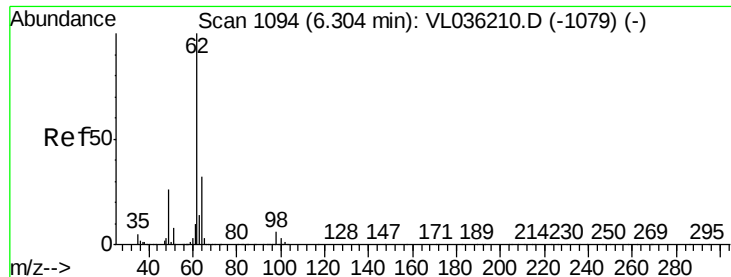
77 21.3 19.4 29.0

50 20.8 17.4 26.2



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

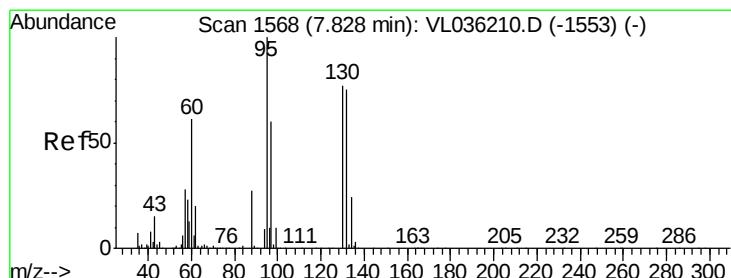
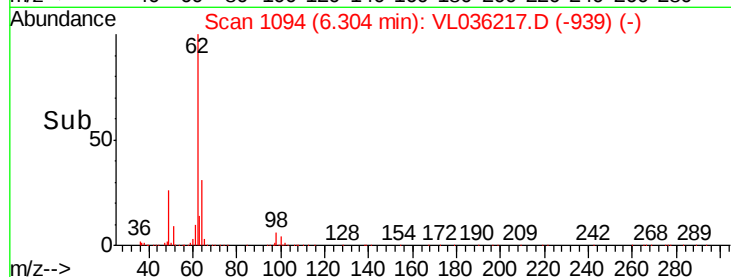
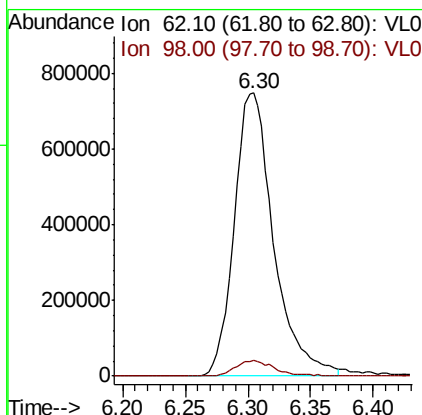
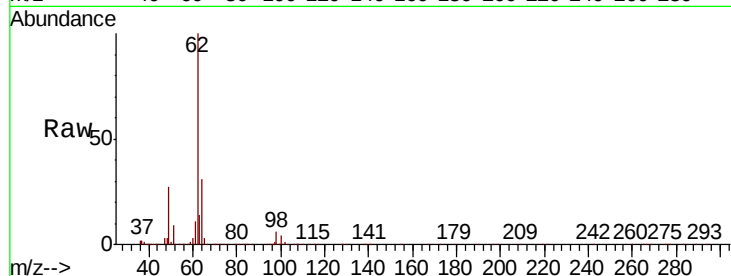




#37
 1,2-Dichloroethane
 Concen: 8.917 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: VL036217.D
 Acq: 13 Jan 2021 7:41

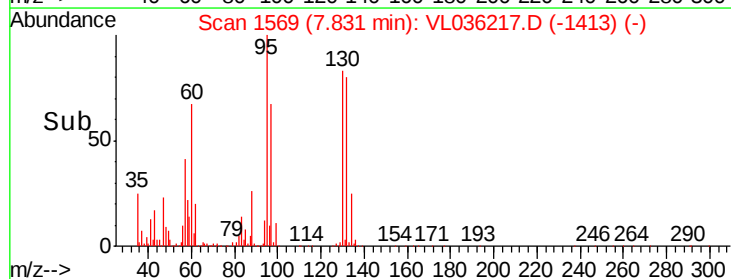
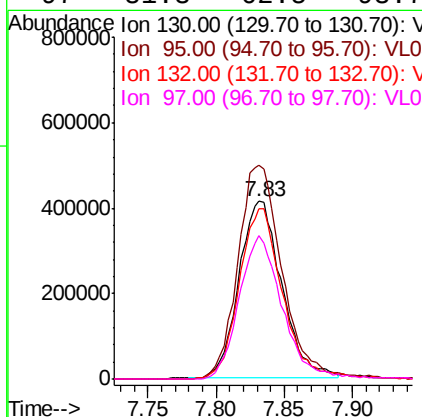
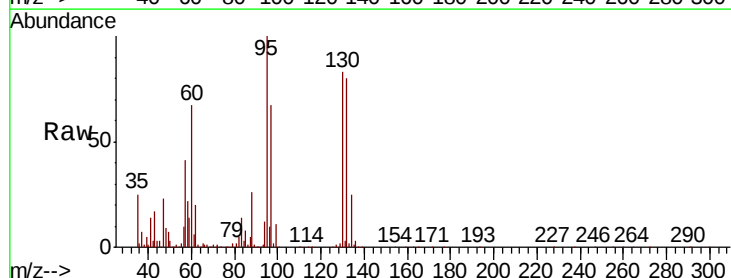
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL011321

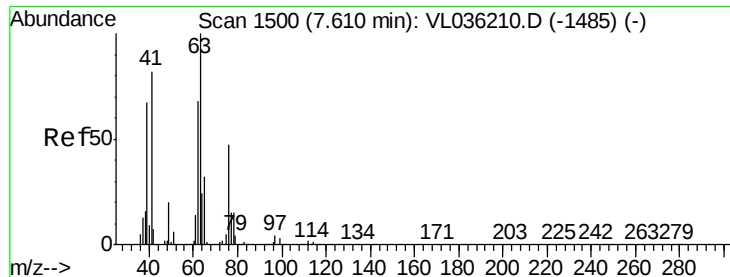
Tot Ion: 62 Resp: 1631371
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.4 6.6



#38
 Trichloroethene
 Concen: 7.946 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL036217.D
 Acq: 13 Jan 2021 7:41

Tgt Ion: 130 Resp: 903475
 Ion Ratio Lower Upper
 130 100
 95 120.6 103.9 155.9
 132 96.1 77.4 116.2
 97 81.3 62.5 93.7





#39

1,2-Dichloropropane

Concen: 9.093 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL011321

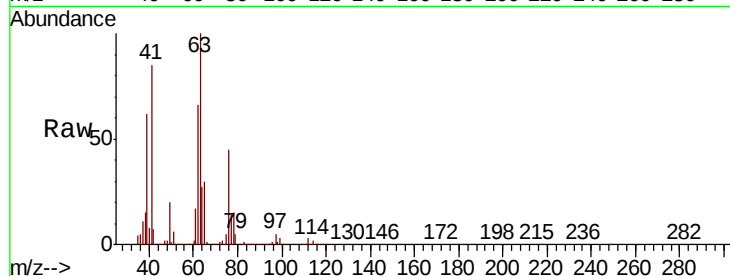
Tot Ion: 63 Resp: 1122518

Ion Ratio Lower Upper

63 100

41 84.2 66.1 99.1

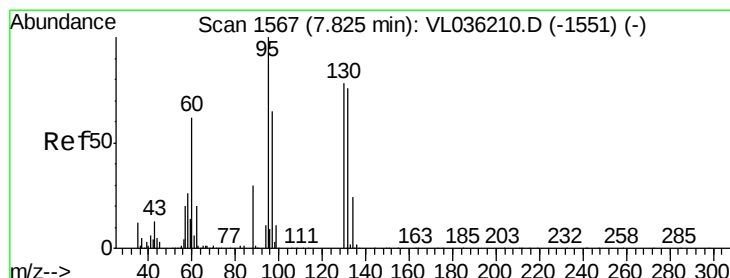
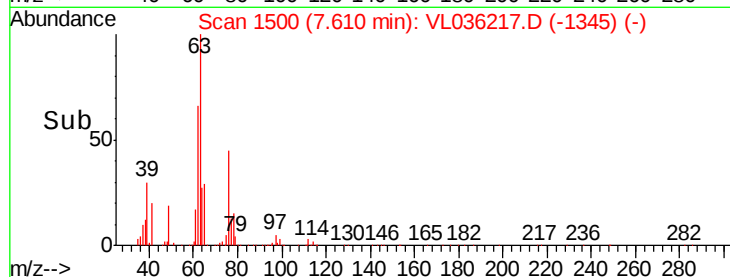
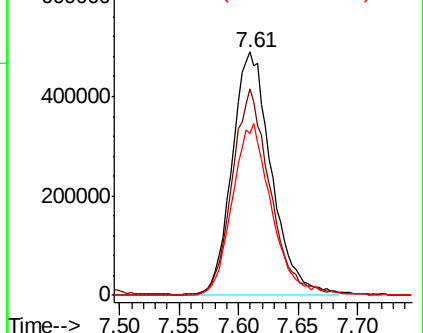
62 66.0 54.8 82.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 4.660 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Tgt Ion: 88 Resp: 208103

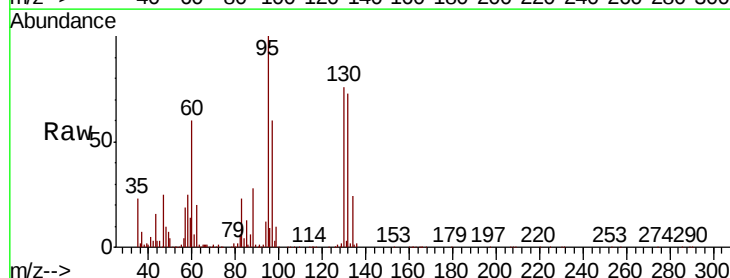
Ion Ratio Lower Upper

88 100

58 137.4 123.0 184.6

43 0.0 0.0 0.0

57 0.0 0.0 0.0

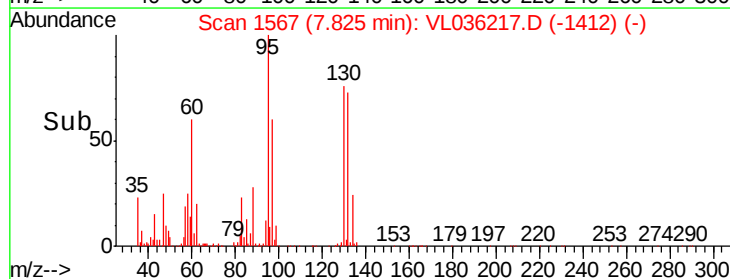
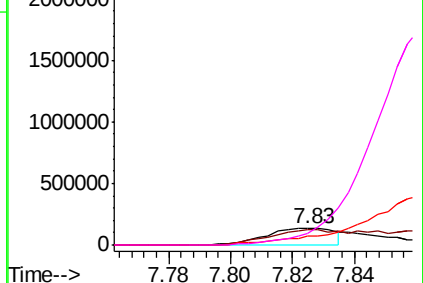


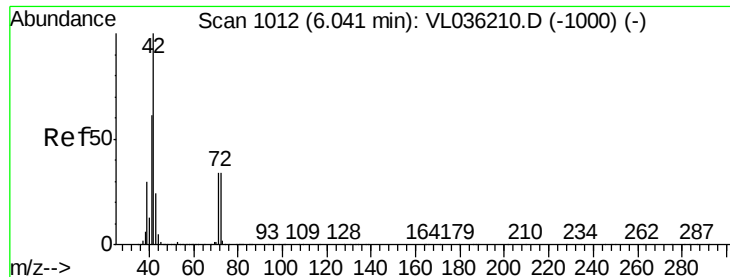
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

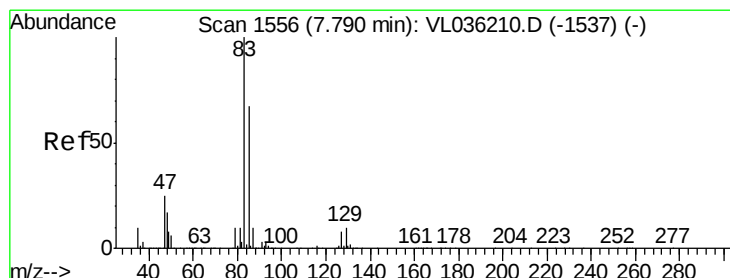
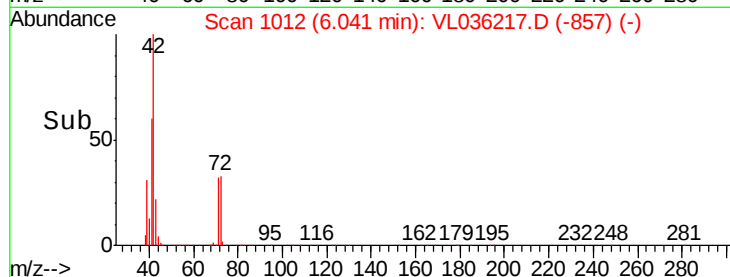
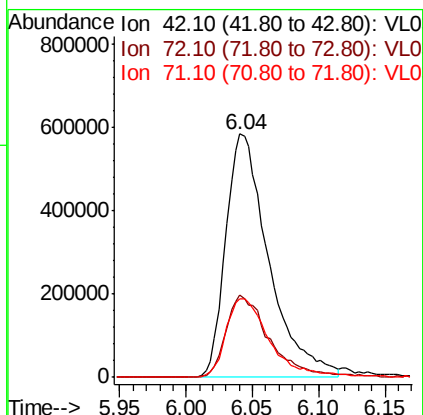
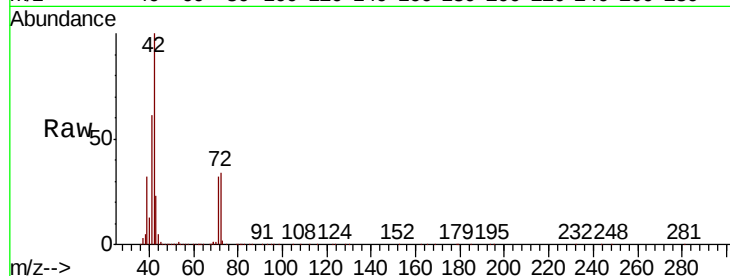




#41
Tetrahydrofuran
Concen: 10.585 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VL036217.D
Acq: 13 Jan 2021 7:41

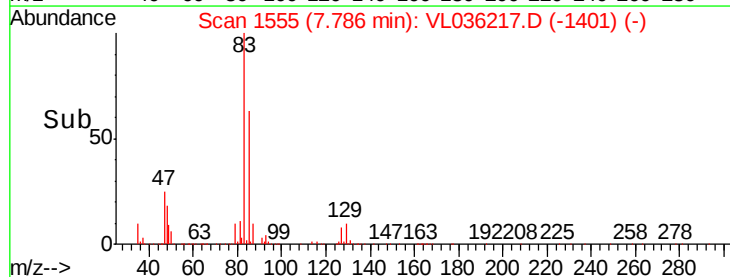
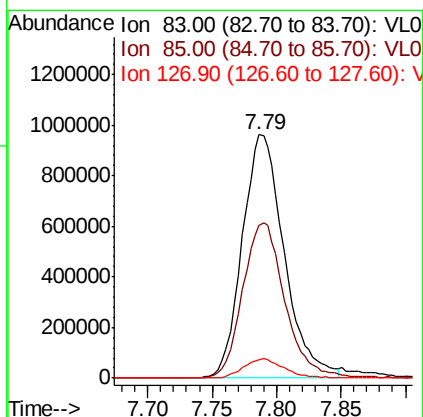
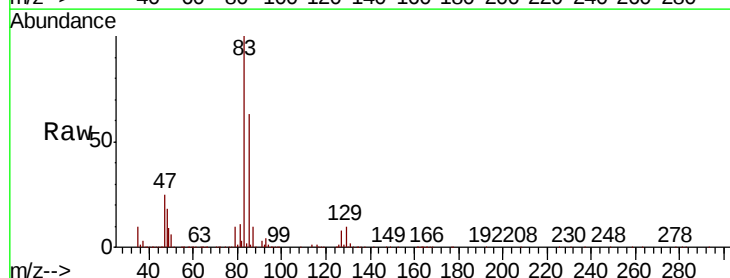
Instrument :
MSVOA_L
ClientSampleId :
ICVVL011321

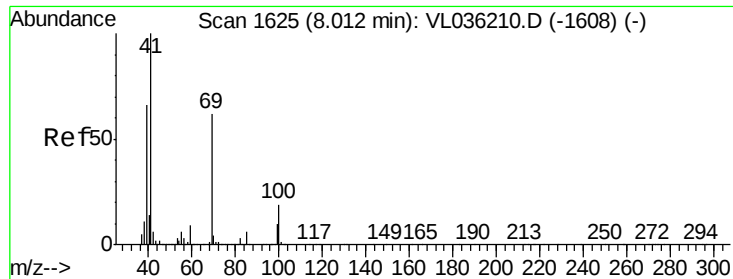
Tot Ion: 42 Resp: 1316150
Ion Ratio Lower Upper
42 100
72 34.8 29.5 44.3
71 33.7 29.1 43.7



#42
Bromodichloromethane
Concen: 9.477 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VL036217.D
Acq: 13 Jan 2021 7:41

Tgt Ion: 83 Resp: 2179163
Ion Ratio Lower Upper
83 100
85 62.9 53.4 80.2
127 7.7 6.2 9.2





#43

Methyl Methacrylate

Concen: 9.731 ppbv

RT: 8.01 min Scan# 1624

Delta R.T. -0.00 min

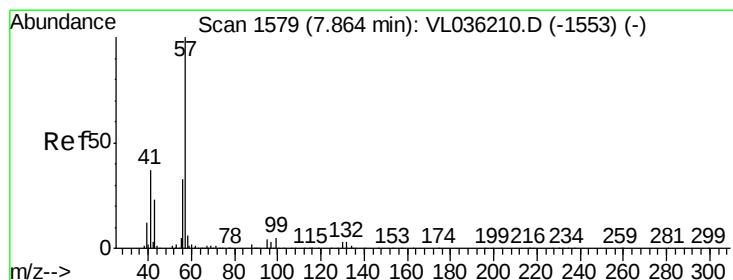
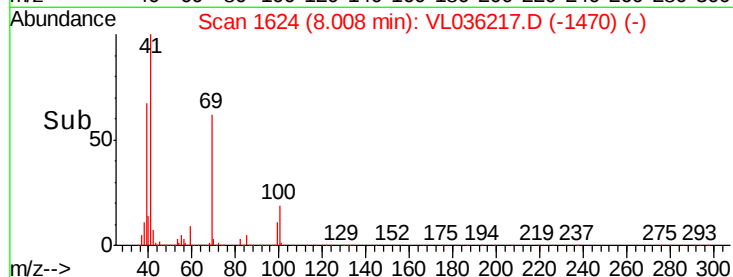
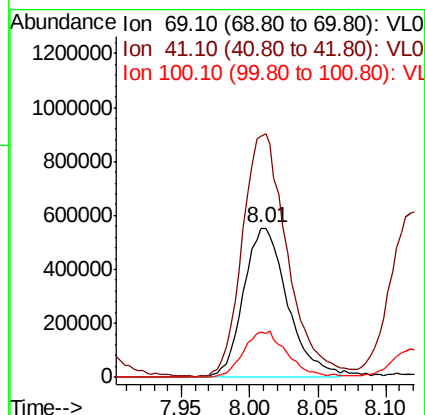
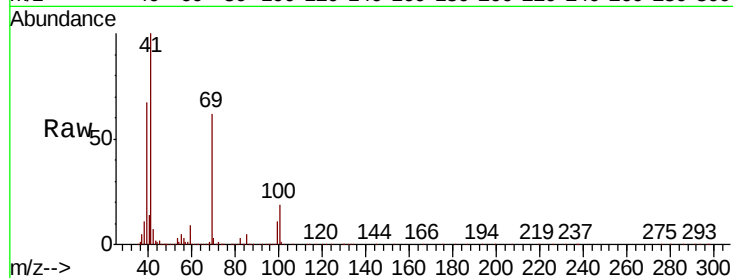
Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :
MSVOA_L
ClientSampleId :
ICVVL011321

Tot Ion: 69 Resp: 1236648

Ion	Ratio	Lower	Upper
69	100		
41	167.9	133.4	200.2
100	31.0	24.3	36.5



#44

2,2,4-Trimethylpentane

Concen: 8.553 ppbv

RT: 7.87 min Scan# 1580

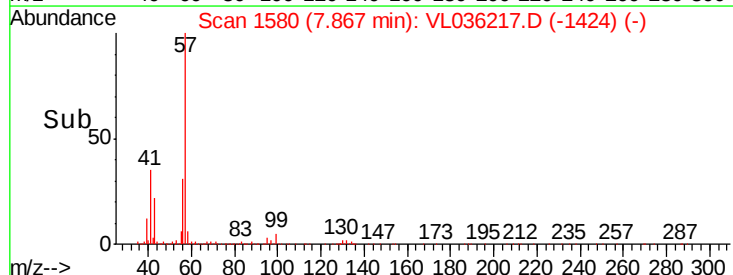
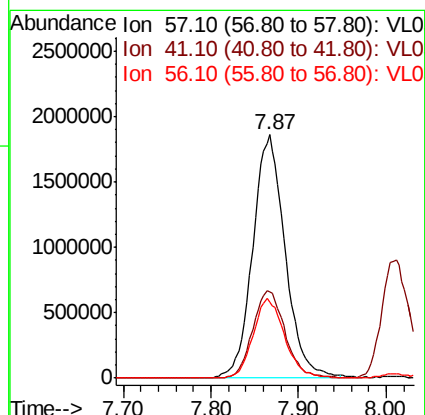
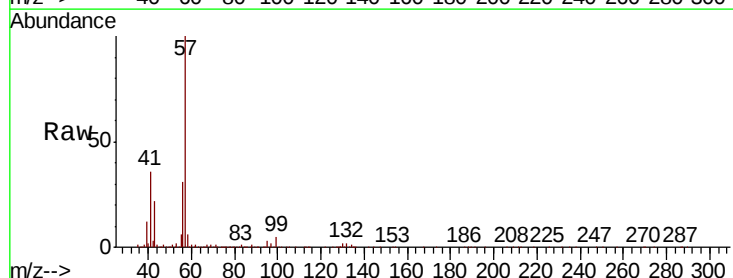
Delta R.T. 0.00 min

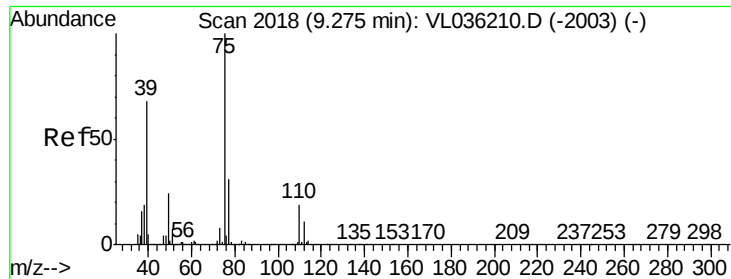
Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Tgt Ion: 57 Resp: 4776296

Ion	Ratio	Lower	Upper
57	100		
41	35.9	28.5	42.7
56	31.9	25.5	38.3

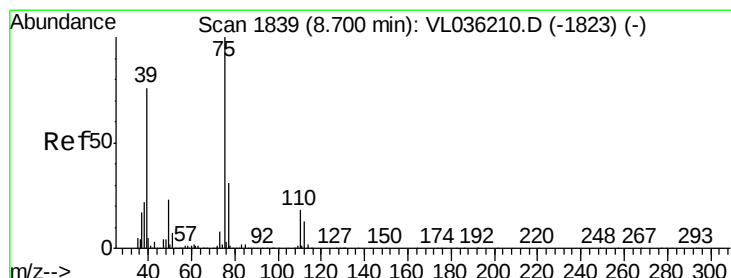
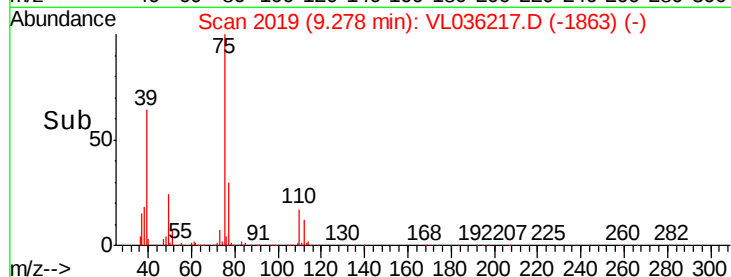
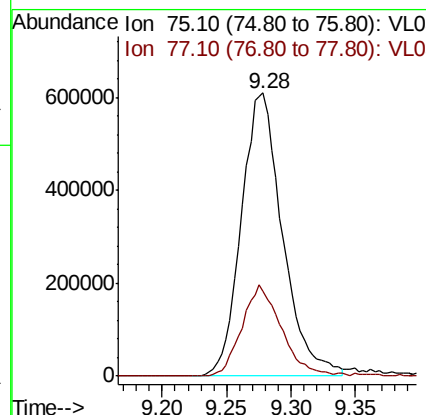
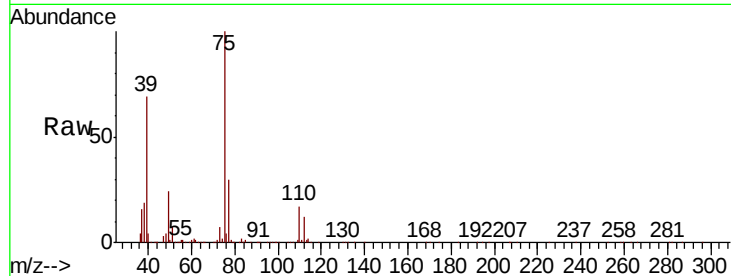




#45
t-1,3-Dichloropropene
Concen: 11.042 ppbv
RT: 9.28 min Scan# 2019
Delta R.T. 0.00 min
Lab File: VL036217.D
Acq: 13 Jan 2021 7:41

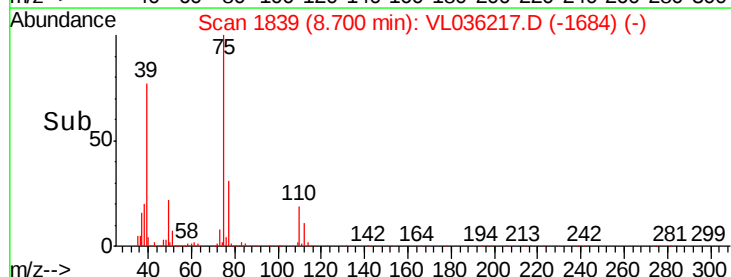
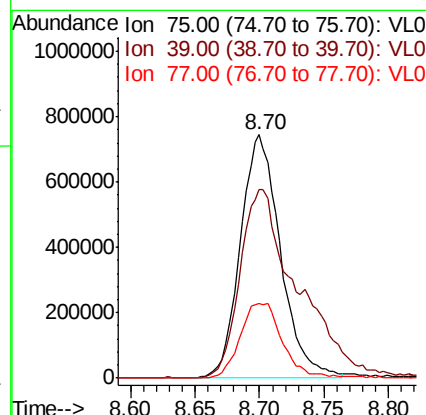
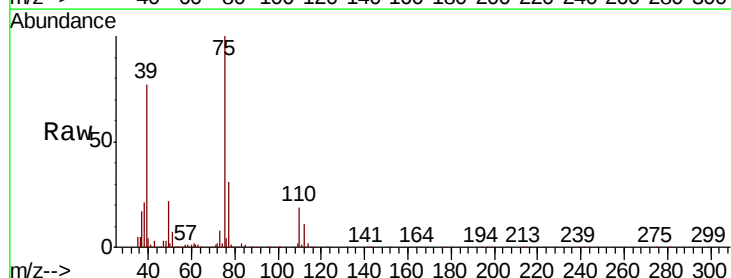
Instrument :
MSVOA_L
ClientSampleId :
ICVVL011321

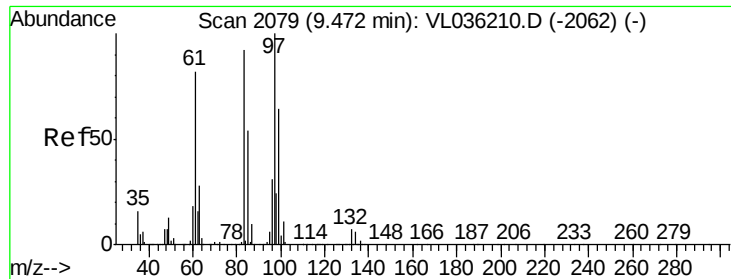
Tot Ion: 75 Resp: 1355120
Ion Ratio Lower Upper
75 100
77 29.9 24.7 37.1



#46
cis-1,3-Dichloropropene
Concen: 10.228 ppbv
RT: 8.70 min Scan# 1839
Delta R.T. -0.00 min
Lab File: VL036217.D
Acq: 13 Jan 2021 7:41

Tgt Ion: 75 Resp: 1613004
Ion Ratio Lower Upper
75 100
39 77.1 61.2 91.8
77 30.7 24.6 37.0



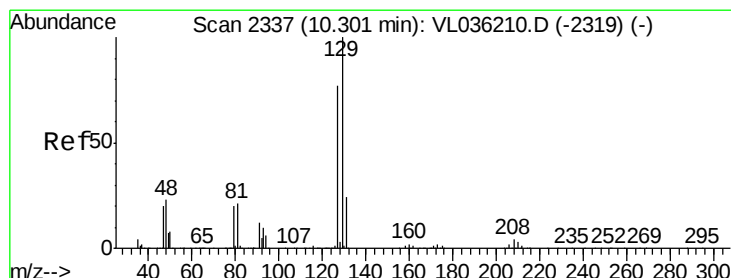
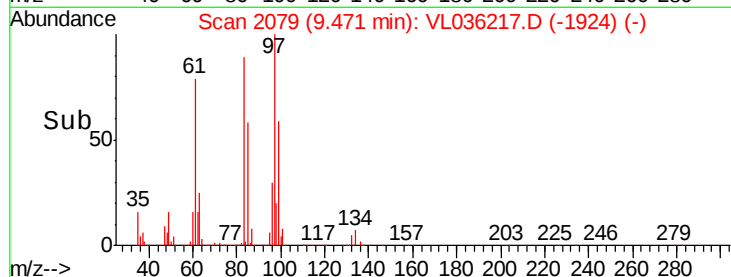
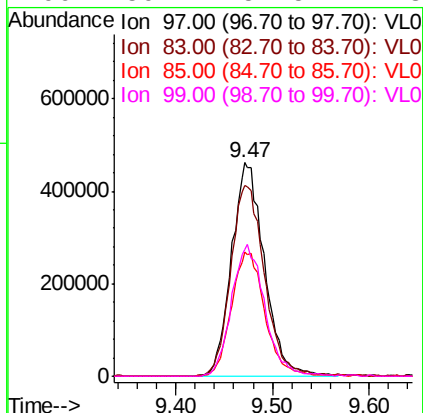
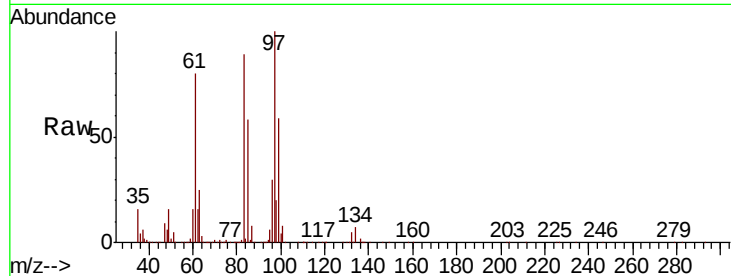


#47
 1,1,2-Trichloroethane
 Concen: 9.234 ppbv
 RT: 9.47 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VL036217.D
 Acq: 13 Jan 2021 7:41

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL011321

Tot Ion: 97 Resp: 1090466

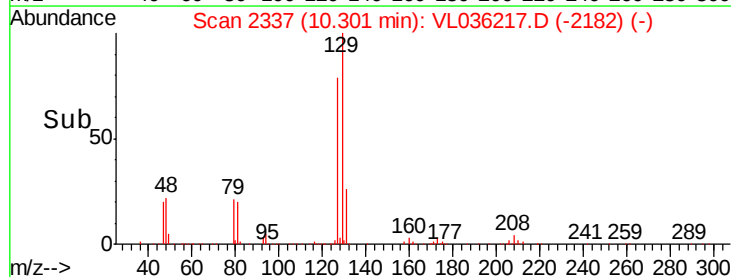
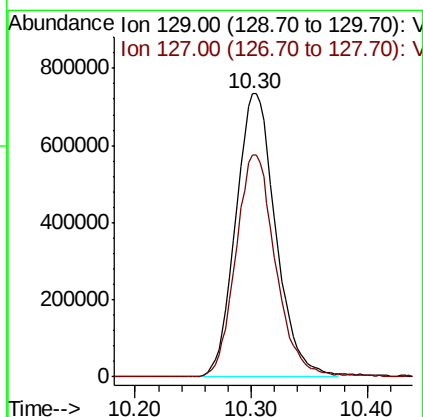
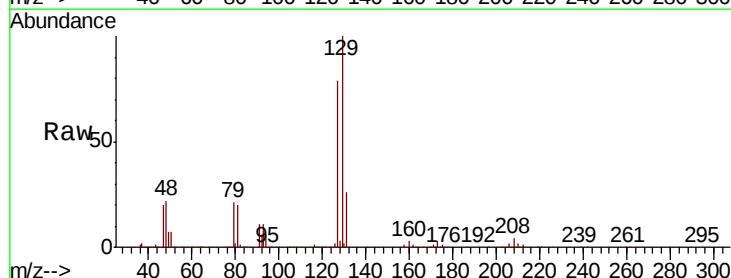
Ion	Ratio	Lower	Upper
97	100		
83	89.0	73.3	109.9
85	58.2	43.2	64.8
99	59.2	51.5	77.3

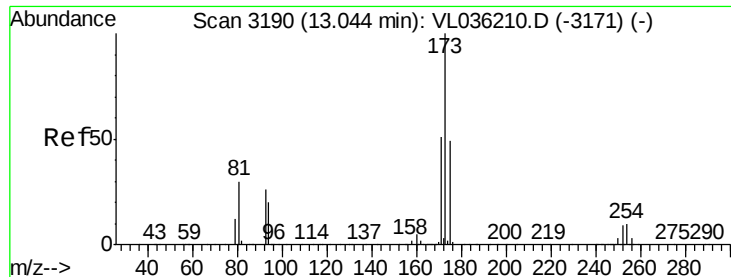


#48
 Dibromochloromethane
 Concen: 10.161 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. -0.00 min
 Lab File: VL036217.D
 Acq: 13 Jan 2021 7:41

Tgt Ion: 129 Resp: 1755600

Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.6	118.8





#49

Bromoform

Concen: 10.480 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. -0.01 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL011321

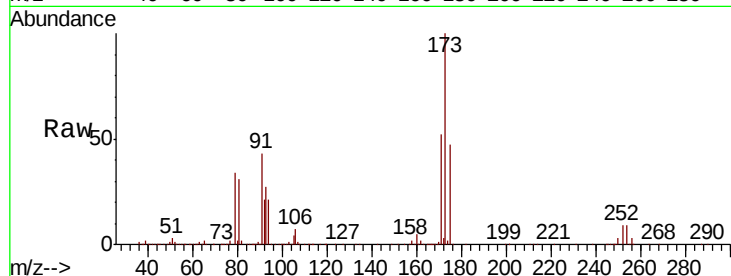
Tot Ion:173 Resp: 1478377

Ion Ratio Lower Upper

173 100

175 48.8 40.7 61.1

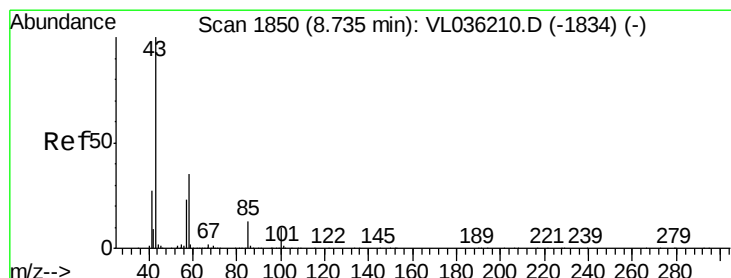
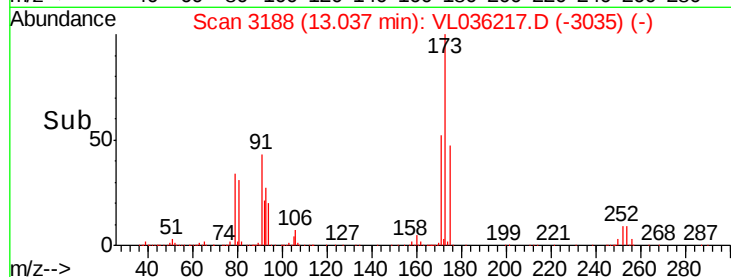
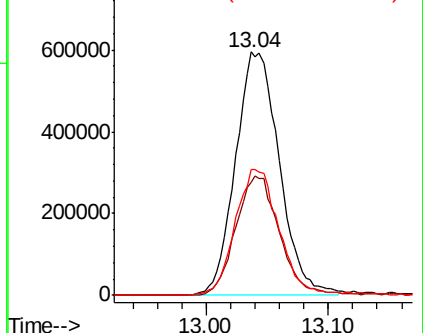
171 53.0 43.0 64.6



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.424 ppbv

RT: 8.73 min Scan# 1850

Delta R.T. -0.00 min

Lab File: VL036217.D

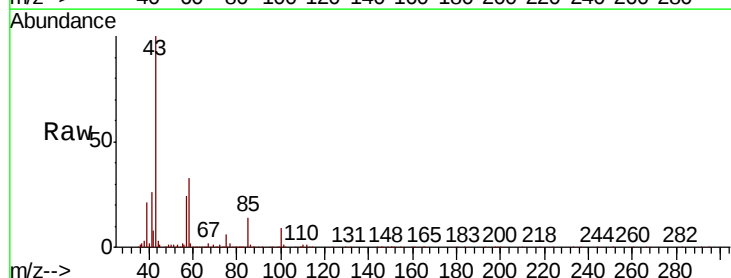
Acq: 13 Jan 2021 7:41

Tgt Ion: 43 Resp: 3341057

Ion Ratio Lower Upper

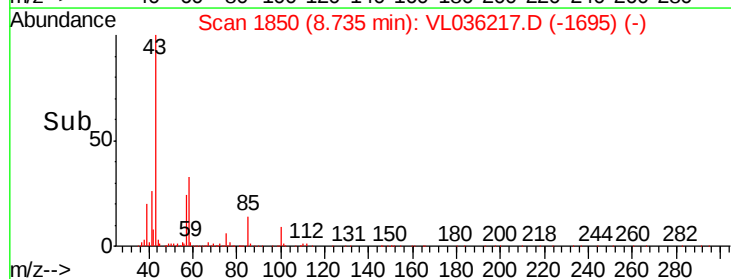
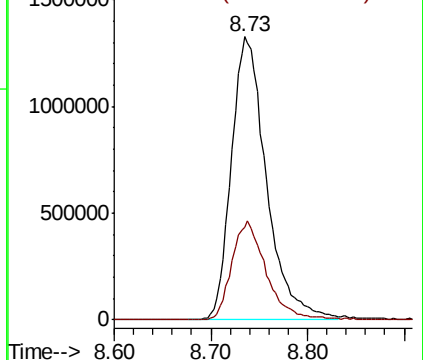
43 100

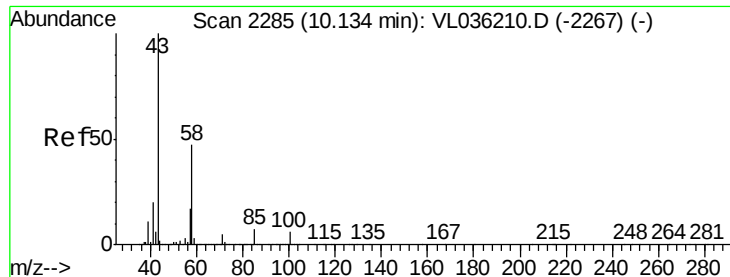
58 34.6 27.6 41.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.169 ppbv

RT: 10.13 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

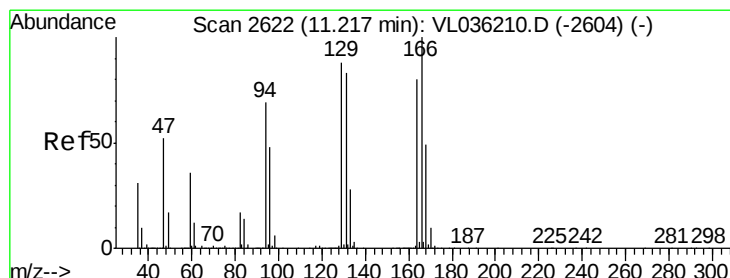
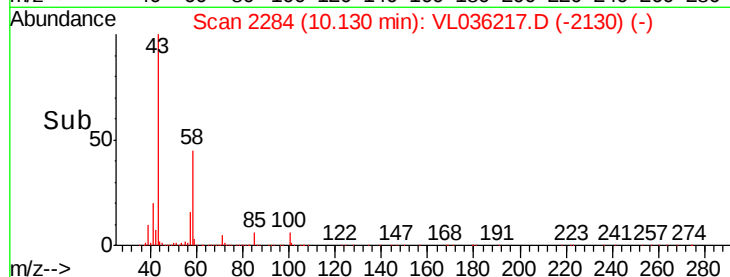
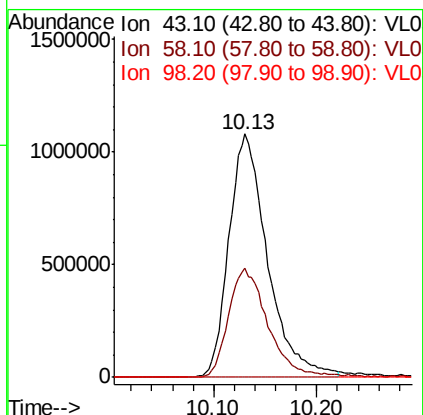
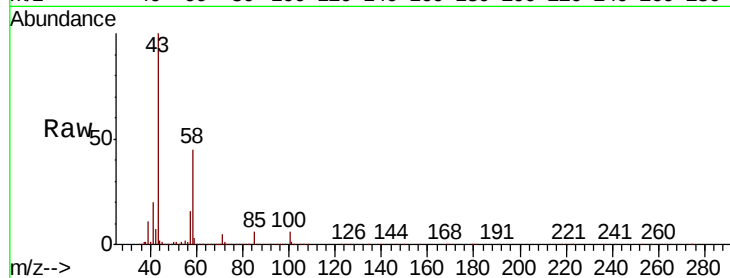
MSVOA_L

ClientSampleId :

ICVVL011321

Tot Ion: 43 Resp: 2811389

Ion	Ratio	Lower	Upper
43	100		
58	46.1	37.4	56.0
98	0.1	0.2	0.2#



#52

Tetrachloroethene

Concen: 8.049 ppbv

RT: 11.22 min Scan# 2622

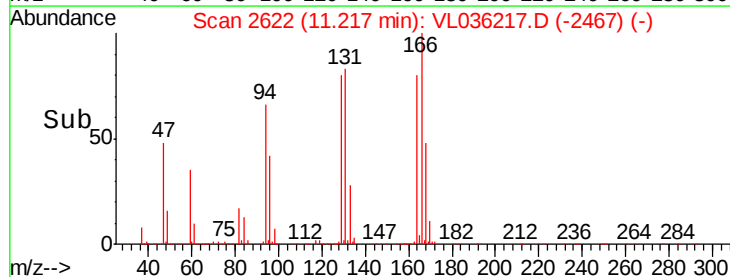
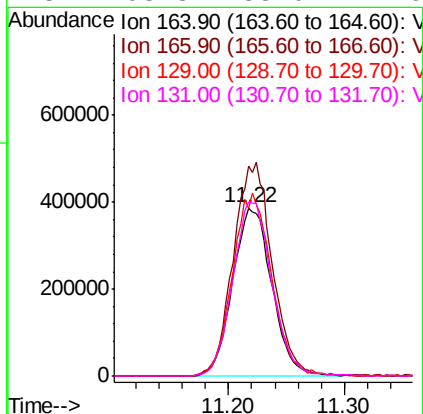
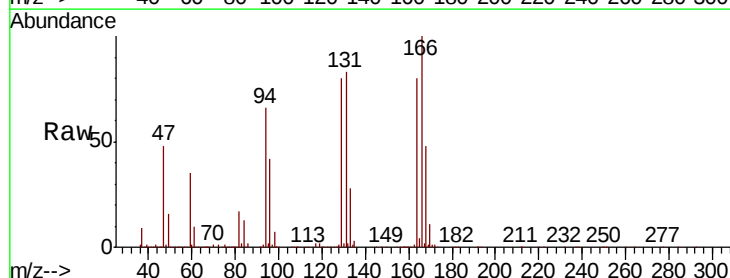
Delta R.T. -0.00 min

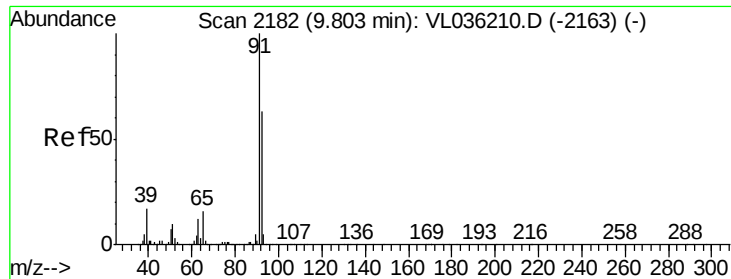
Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Tgt Ion: 164 Resp: 901808

Ion	Ratio	Lower	Upper
164	100		
166	124.5	99.9	149.9
129	99.4	88.2	132.4
131	103.8	83.0	124.6





#53

Toluene

Concen: 9.129 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

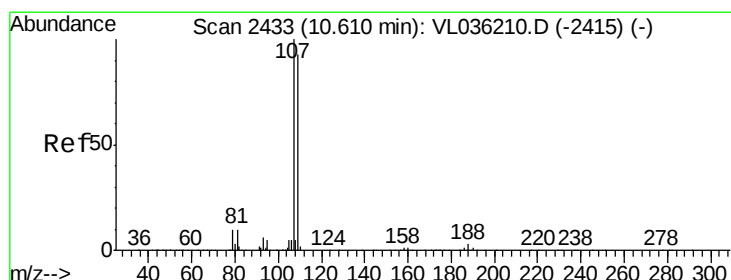
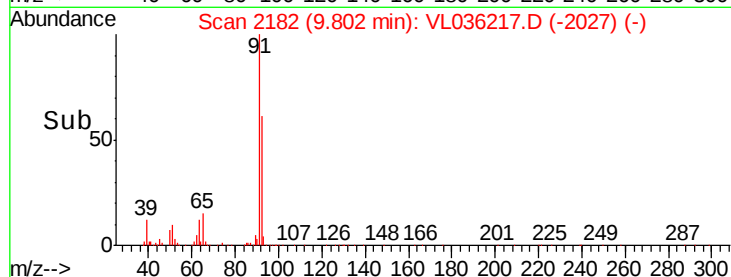
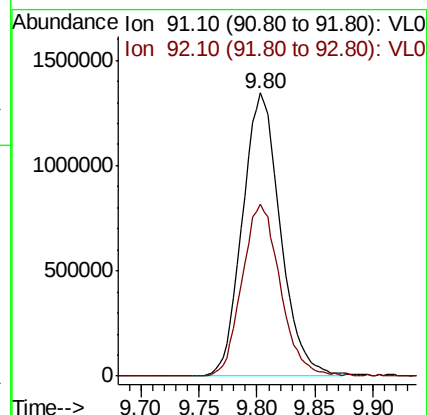
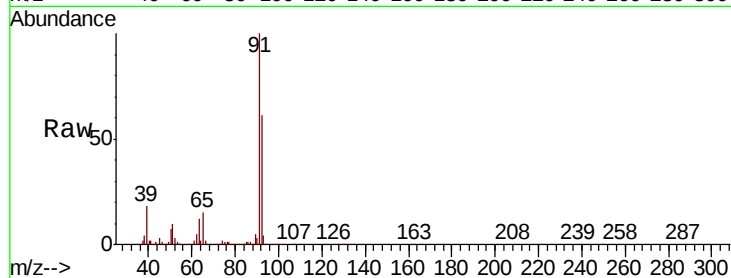
ICVVL011321

Tot Ion: 91 Resp: 3072301

Ion Ratio Lower Upper

91 100

92 61.4 48.5 72.7



#54

1,2-Dibromoethane

Concen: 9.321 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.00 min

Lab File: VL036217.D

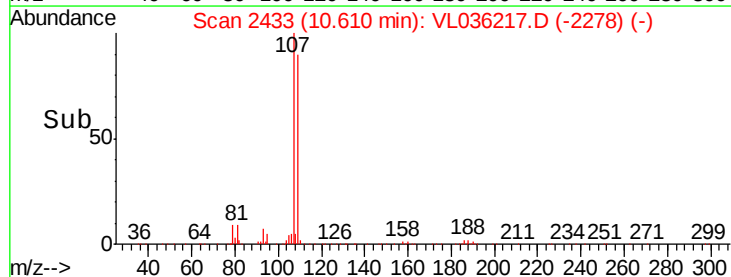
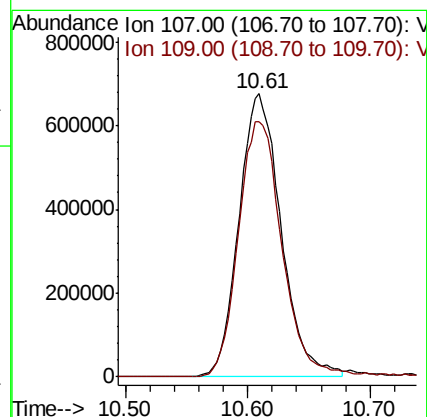
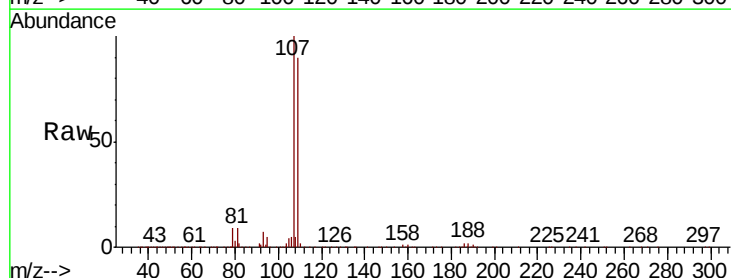
Acq: 13 Jan 2021 7:41

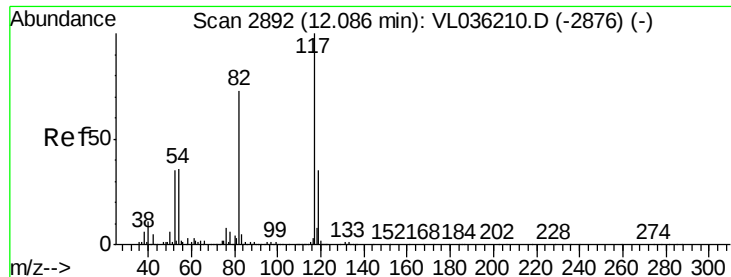
Tgt Ion: 107 Resp: 1613315

Ion Ratio Lower Upper

107 100

109 90.2 74.5 111.7

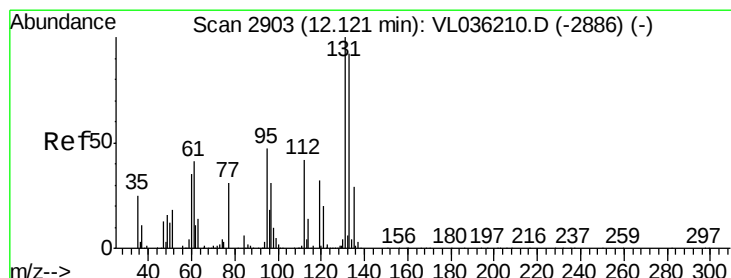
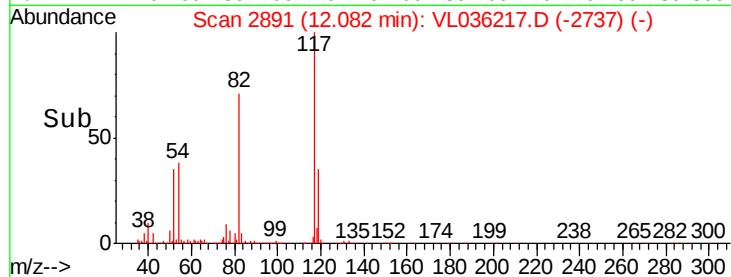
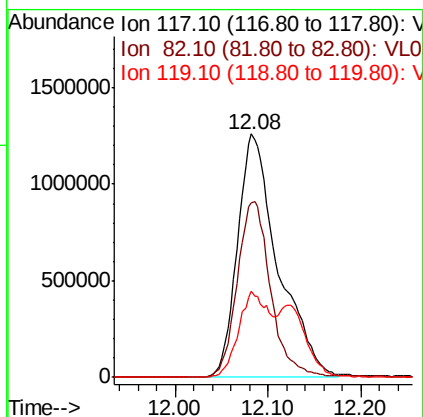
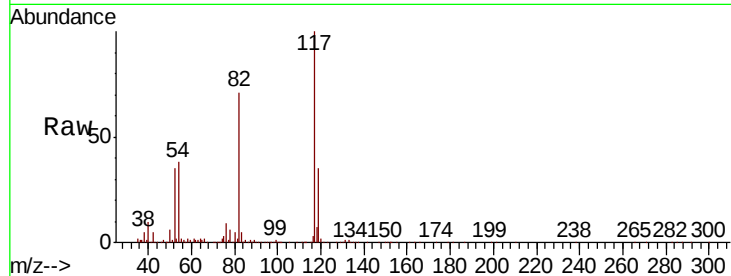




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.00 min
Lab File: VL036217.D
Acq: 13 Jan 2021 7:41

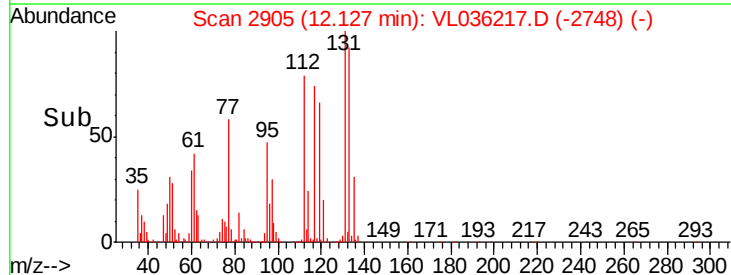
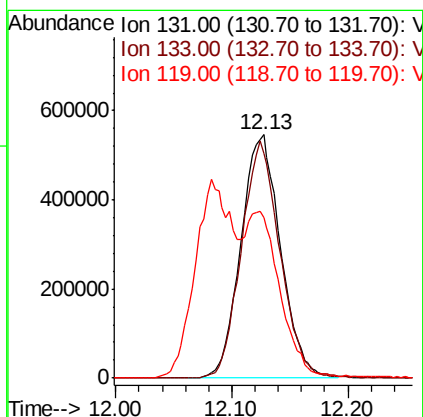
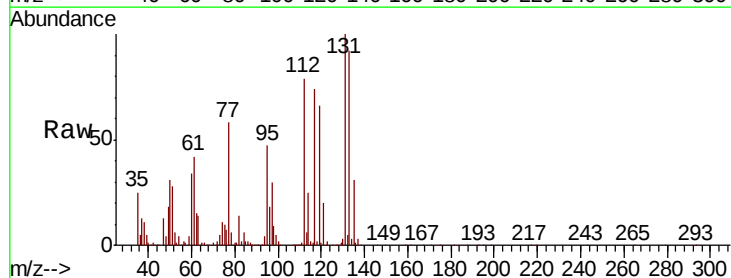
Instrument :
MSVOA_L
ClientSampleId :
ICVVL011321

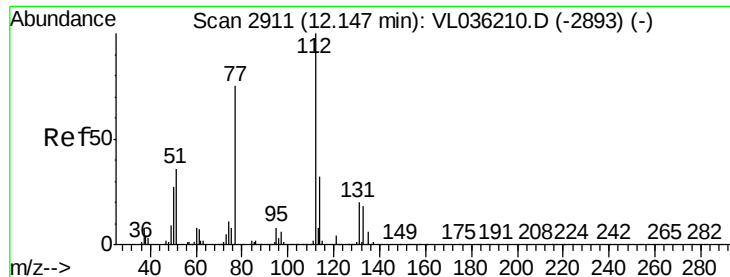
Tot Ion:117 Resp: 3837660
Ion Ratio Lower Upper
117 100
82 60.2 59.7 89.5
119 47.7 28.6 43.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.579 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL036217.D
Acq: 13 Jan 2021 7:41

Tgt Ion:131 Resp: 1298001
Ion Ratio Lower Upper
131 100
133 95.0 76.5 114.7
119 141.1 45.4 68.0#





#57

Chlorobenzene

Concen: 7.178 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL011321

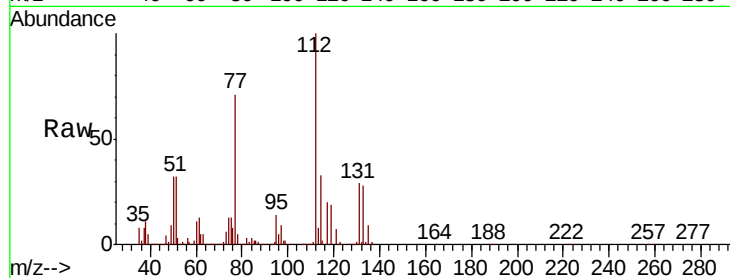
Tot Ion:112 Resp: 2161369

Ion Ratio Lower Upper

112 100

77 69.5 59.6 89.4

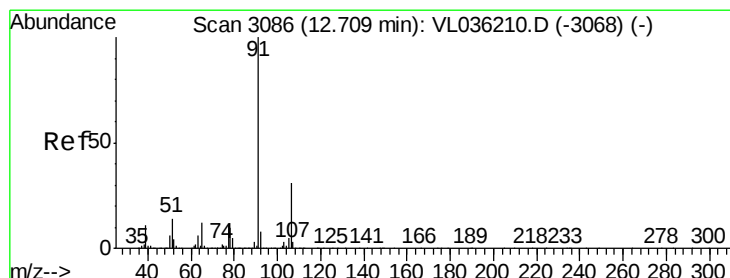
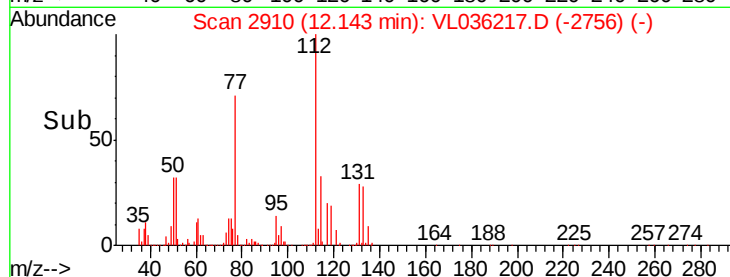
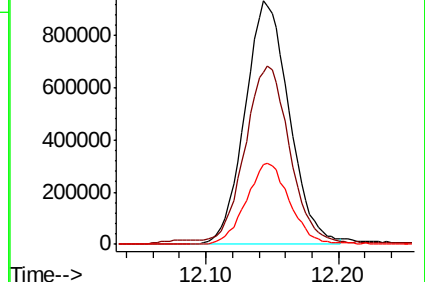
114 32.4 28.7 35.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 7.390 ppbv

RT: 12.71 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VL036217.D

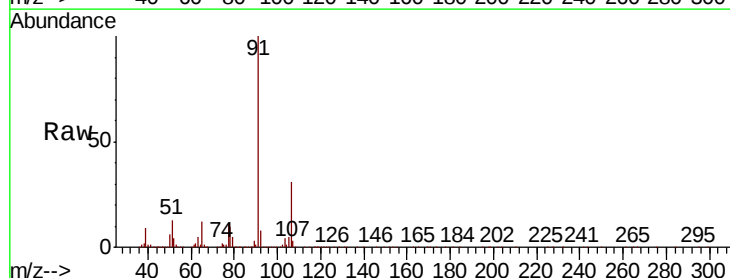
Acq: 13 Jan 2021 7:41

Tgt Ion: 91 Resp: 4208241

Ion Ratio Lower Upper

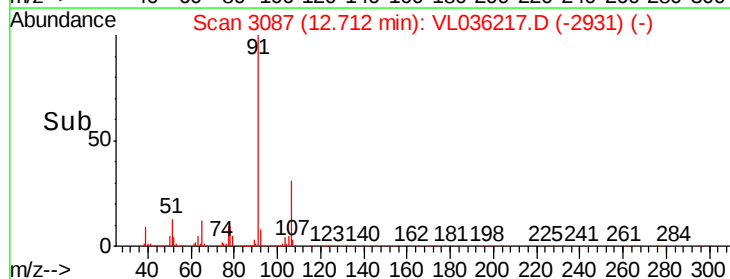
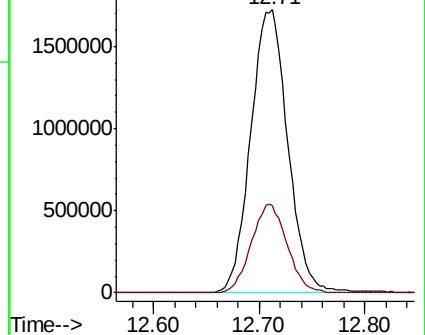
91 100

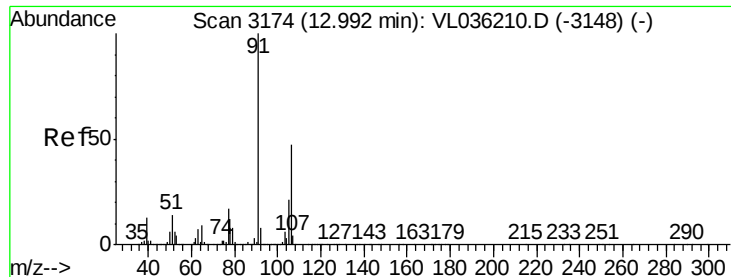
106 30.9 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

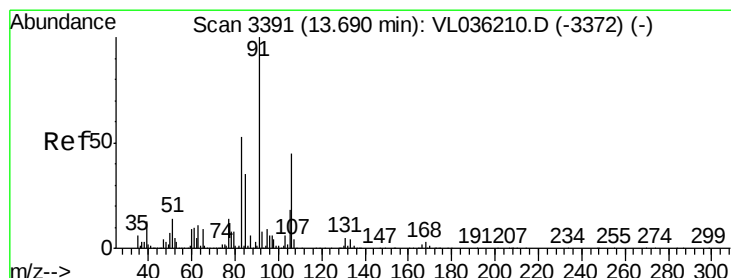
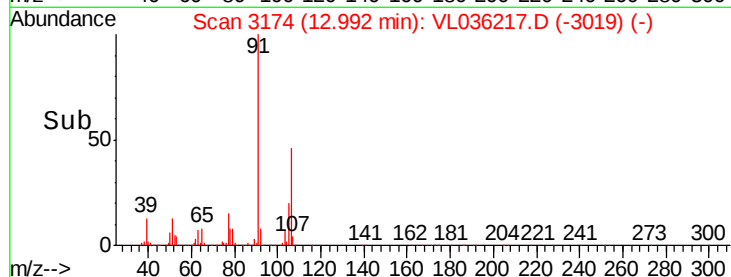
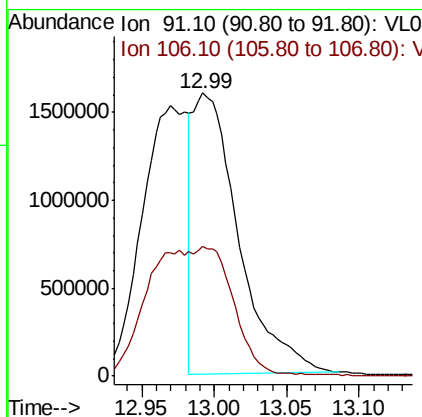
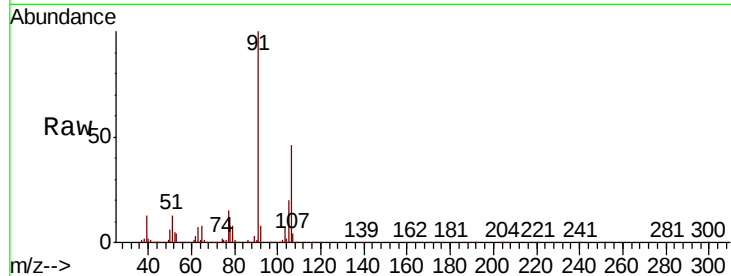




#59
m/p-Xylene
Concen: 7.106 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. -0.00 min
Lab File: VL036217.D
Acq: 13 Jan 2021 7:41

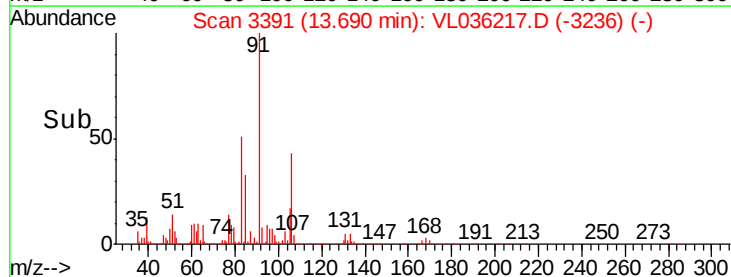
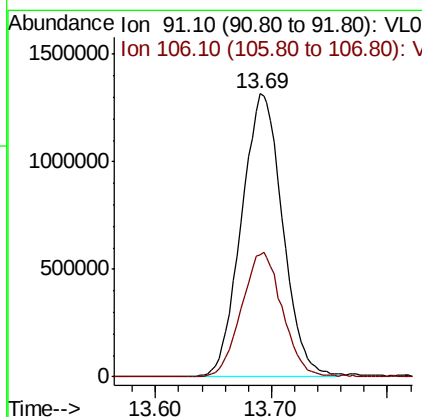
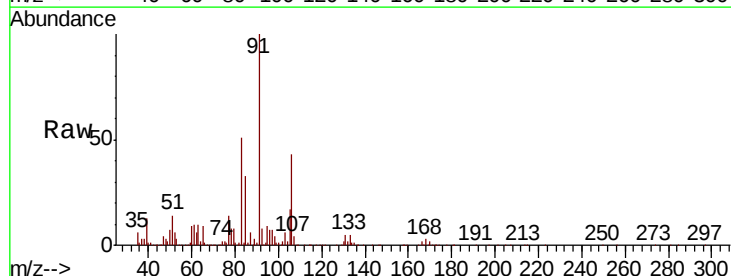
Instrument :
MSVOA_L
ClientSampleId :
ICVVL011321

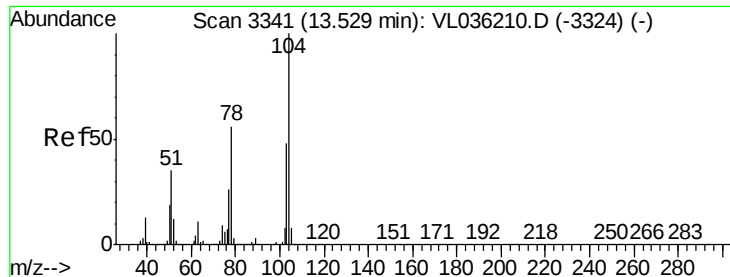
Tot Ion: 91 Resp: 3477407
Ion Ratio Lower Upper
91 100
106 86.4 34.6 51.8#



#60
o-Xylene
Concen: 6.881 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.00 min
Lab File: VL036217.D
Acq: 13 Jan 2021 7:41

Tgt Ion: 91 Resp: 3245819
Ion Ratio Lower Upper
91 100
106 44.3 21.9 65.8





#61

Stvrene

Concen: 8.047 ppbv

RT: 13.53 min Scan# 3341

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL011321

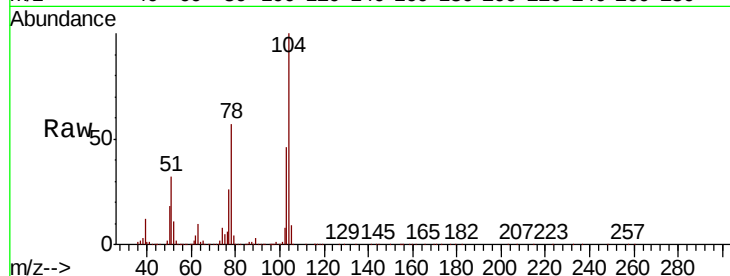
Tot Ion:104 Resp: 2396946

Ion Ratio Lower Upper

104 100

78 57.1 46.8 70.2

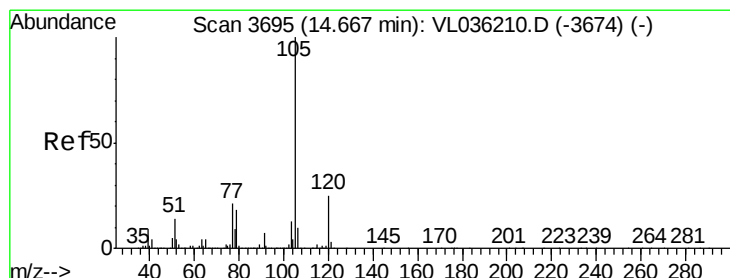
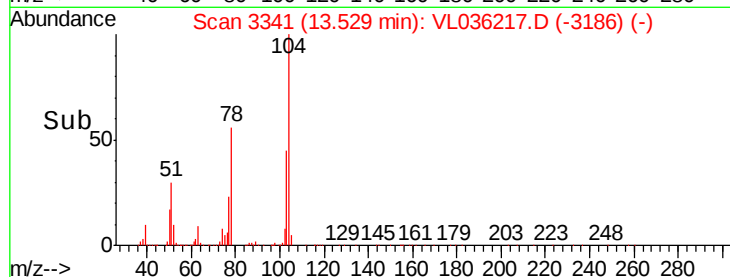
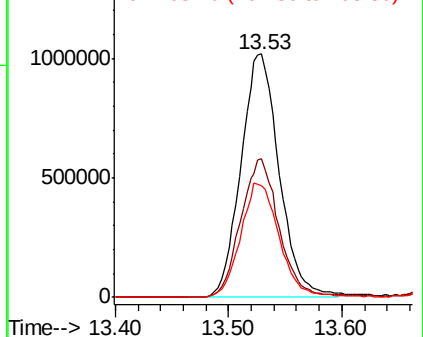
103 47.7 38.4 57.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.053 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VL036217.D

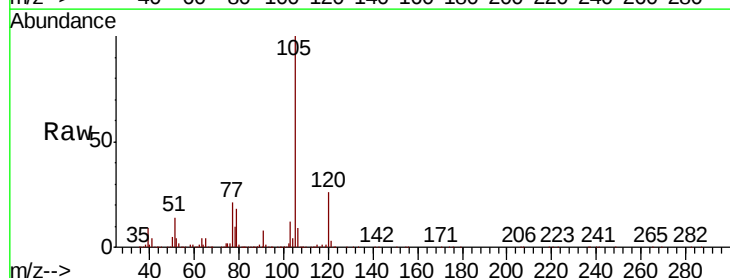
Acq: 13 Jan 2021 7:41

Tgt Ion:105 Resp: 4946166

Ion Ratio Lower Upper

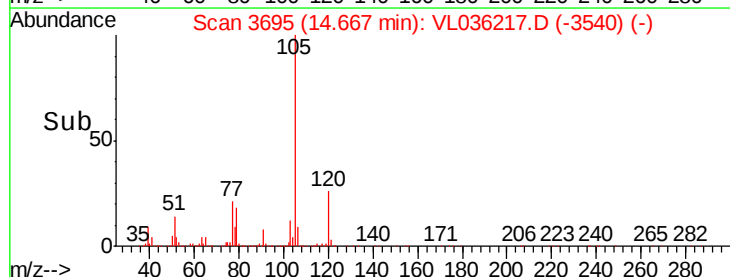
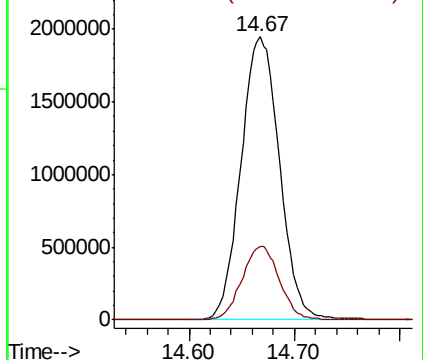
105 100

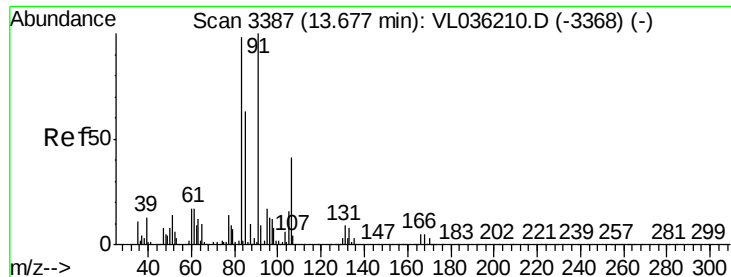
120 25.4 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

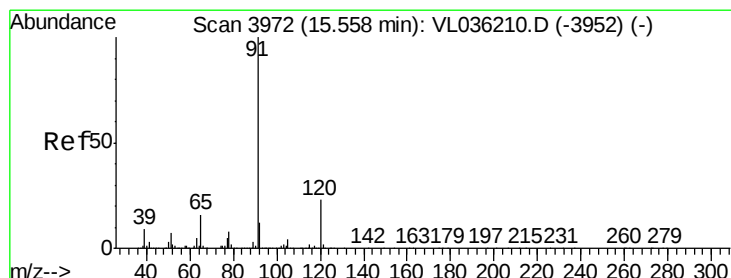
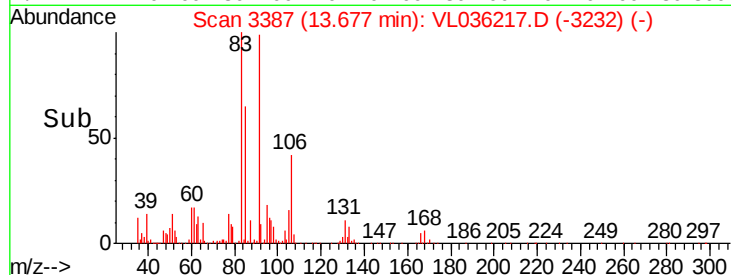
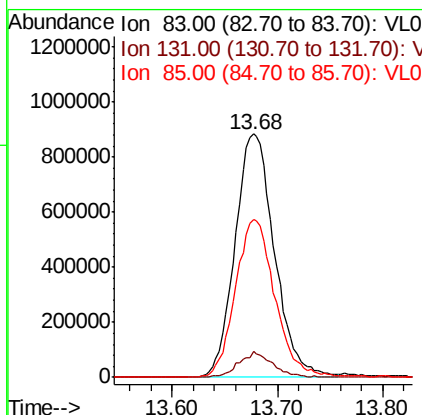
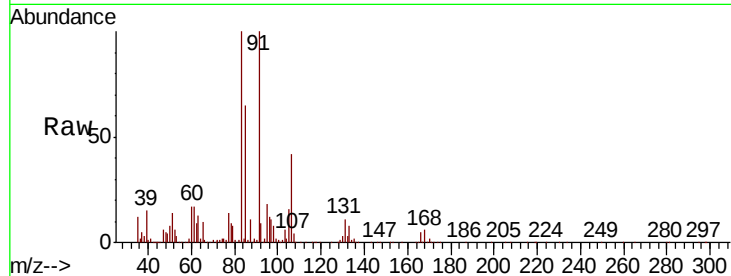




#63
1,1,2,2-Tetrachloroethane
Concen: 6.537 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.00 min
Lab File: VL036217.D
Acq: 13 Jan 2021 7:41

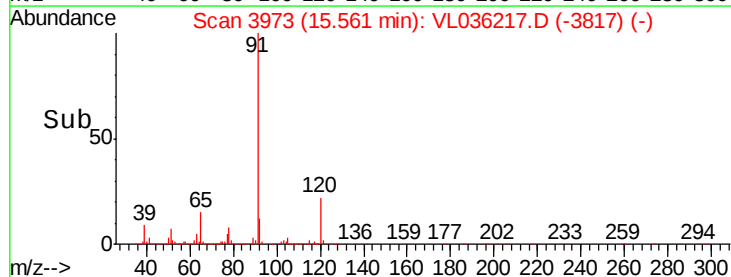
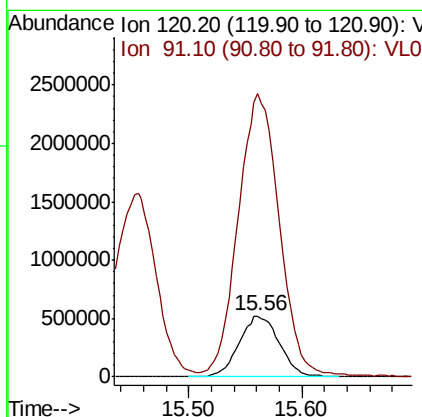
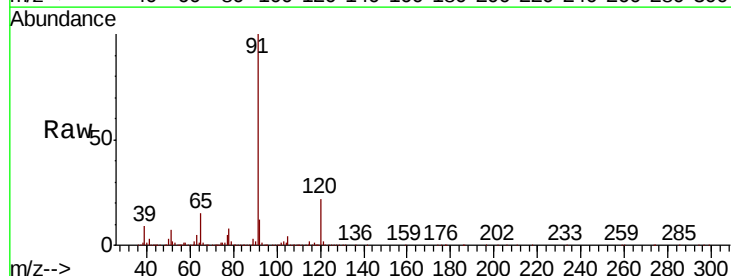
Instrument :
MSVOA_L
ClientSampleId :
ICVVL011321

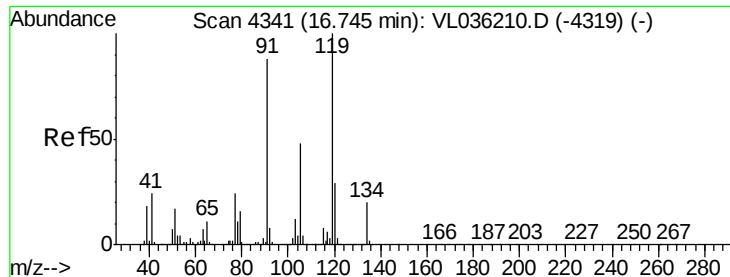
Tot Ion: 83 Resp: 2295995
Ion Ratio Lower Upper
83 100
131 9.2 4.5 13.5
85 65.3 33.1 99.3



#64
n-propylbenzene
Concen: 7.444 ppbv
RT: 15.56 min Scan# 3973
Delta R.T. 0.00 min
Lab File: VL036217.D
Acq: 13 Jan 2021 7:41

Tgt Ion:120 Resp: 1282749
Ion Ratio Lower Upper
120 100
91 481.4 391.8 587.6





#65

tert-Butylbenzene

Concen: 7.000 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL011321

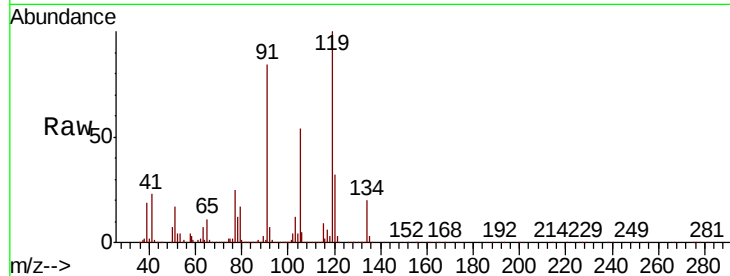
Tot Ion:119 Resp: 4159736

Ion Ratio Lower Upper

119 100

91 87.7 71.0 106.6

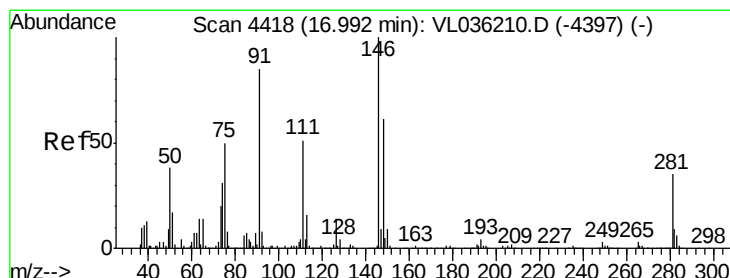
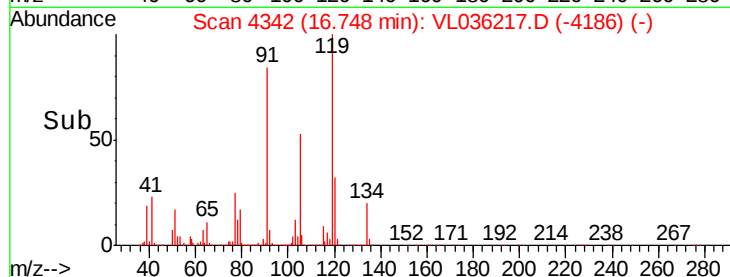
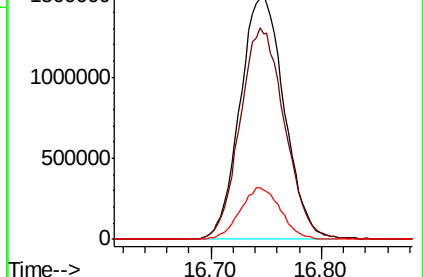
134 19.7 15.8 23.6



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.793 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

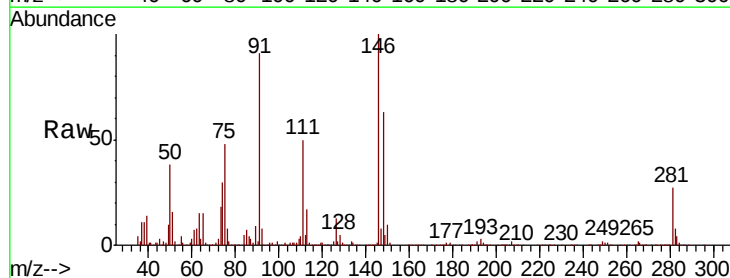
Tgt Ion: 91 Resp: 1486755

Ion Ratio Lower Upper

91 100

126 16.1 12.6 19.0

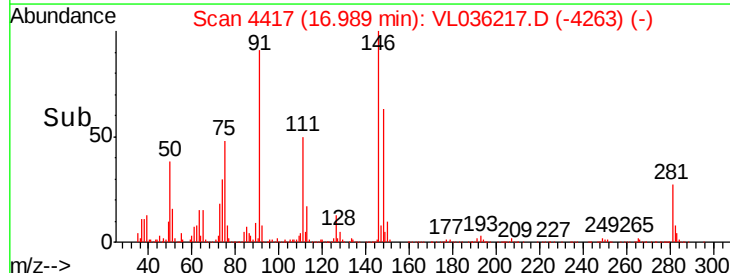
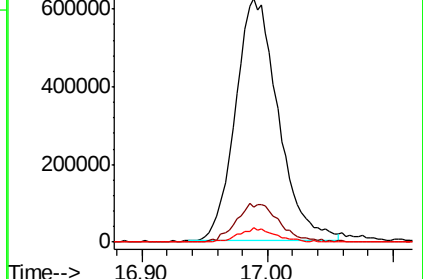
128 5.0 3.8 5.6

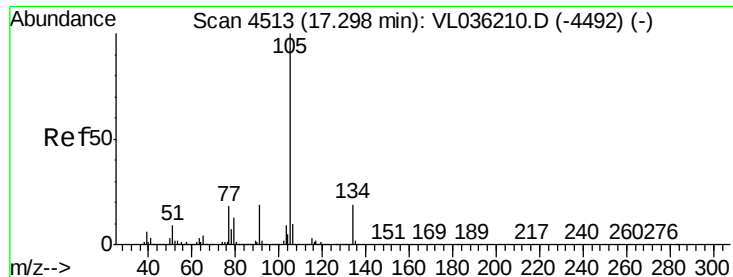


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

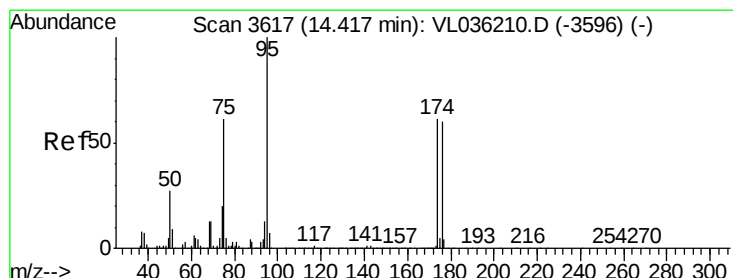
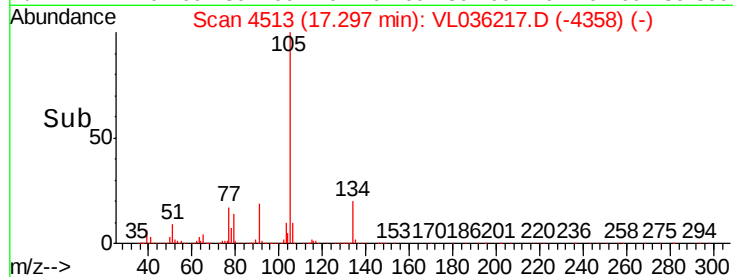
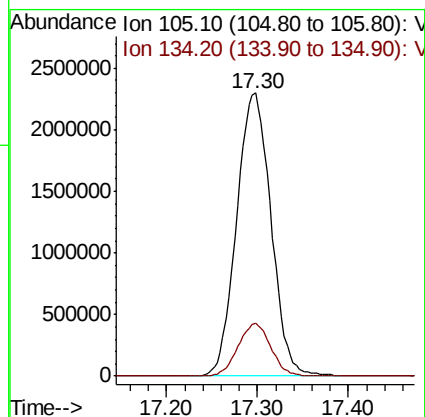
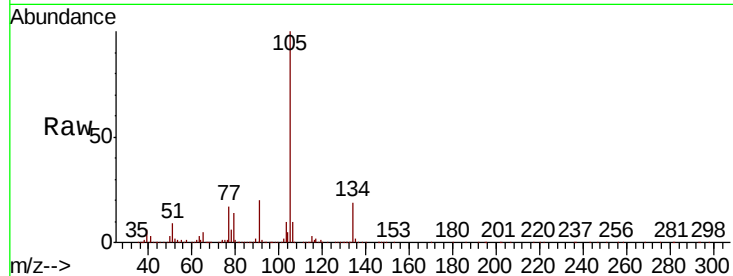




#67
 sec-Butylbenzene
 Concen: 6.827 ppbv
 RT: 17.30 min Scan# 4513
 Delta R.T. -0.00 min
 Lab File: VL036217.D
 Acq: 13 Jan 2021 7:41

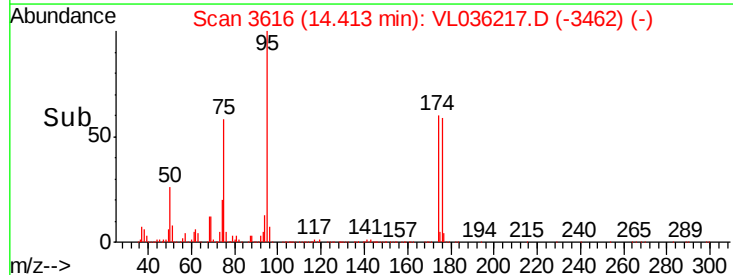
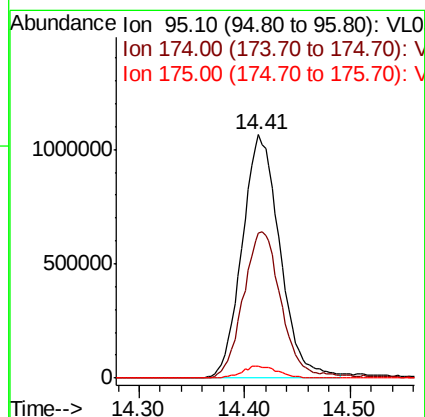
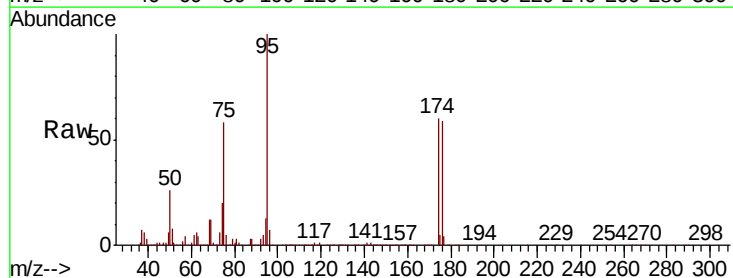
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL011321

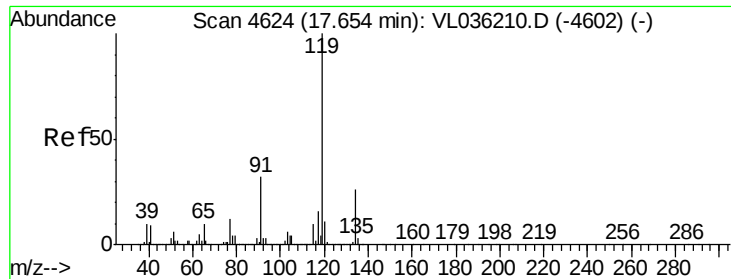
Tot Ion:105 Resp: 6021875
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.352 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T. -0.00 min
 Lab File: VL036217.D
 Acq: 13 Jan 2021 7:41

Tgt Ion: 95 Resp: 2653095
 Ion Ratio Lower Upper
 95 100
 174 61.9 49.4 74.0
 175 4.8 3.8 5.8

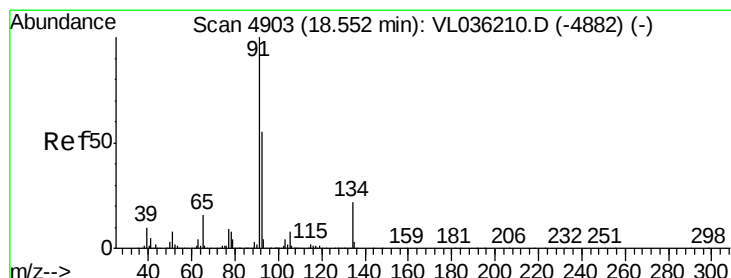
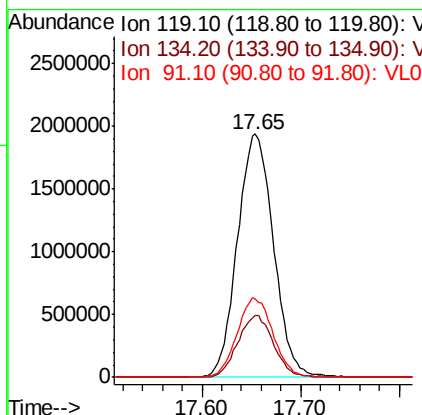
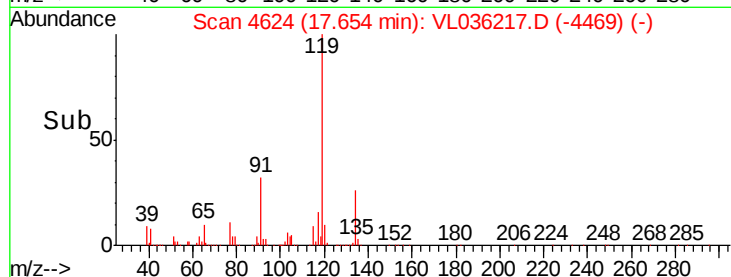
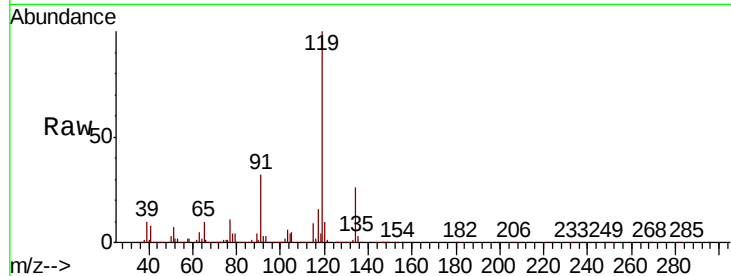




#69
 p-Isopropyltoluene
 Concen: 7.103 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. -0.00 min
 Lab File: VL036217.D
 Acq: 13 Jan 2021 7:41

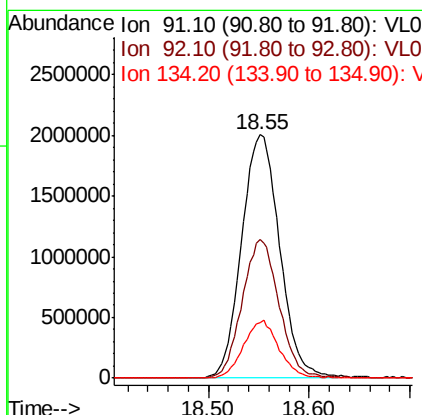
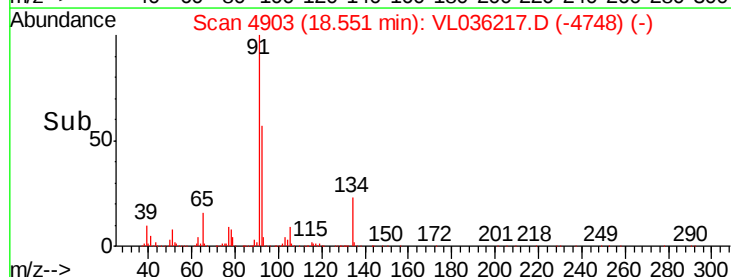
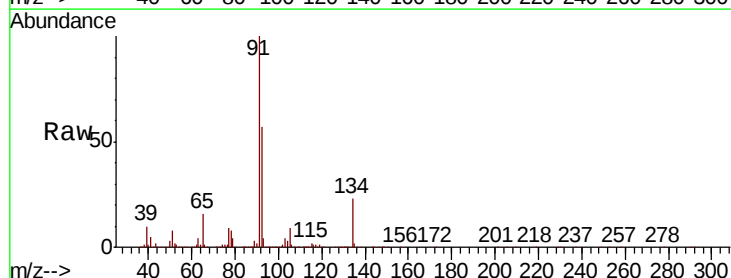
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL011321

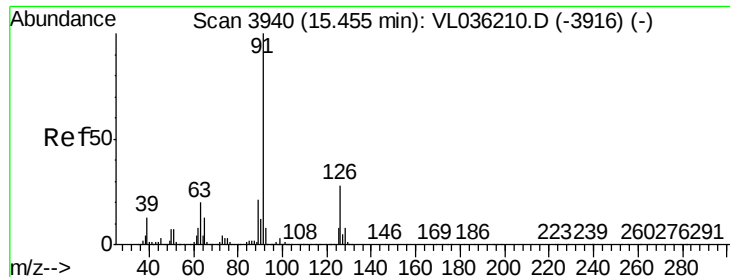
Tot Ion:119 Resp: 4910593
 Ion Ratio Lower Upper
 119 100
 134 25.1 20.2 30.4
 91 32.7 26.0 39.0



#70
 n-Butylbenzene
 Concen: 7.035 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. -0.00 min
 Lab File: VL036217.D
 Acq: 13 Jan 2021 7:41

Tgt Ion: 91 Resp: 5244045
 Ion Ratio Lower Upper
 91 100
 92 55.5 44.0 66.0
 134 22.1 17.0 25.4

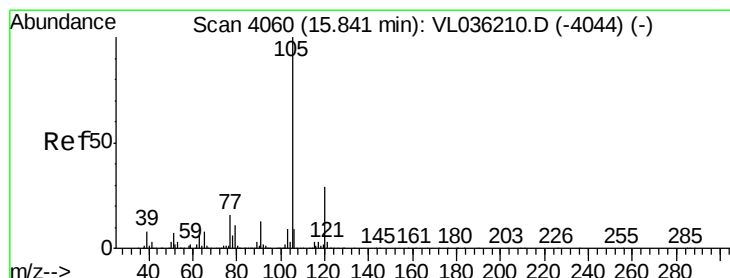
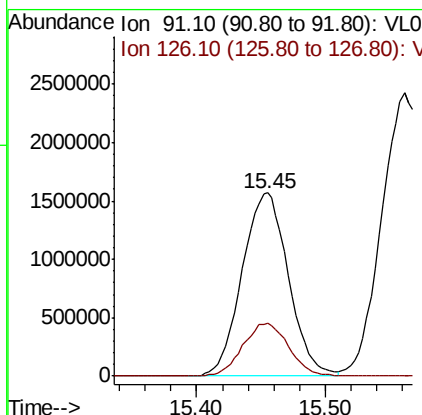
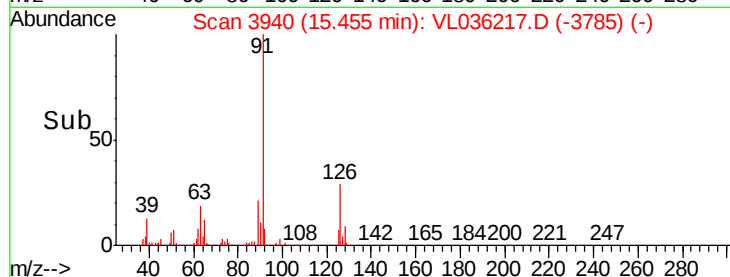
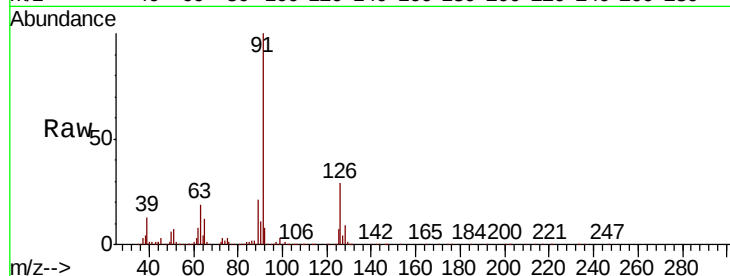




#71
 2-Chlorotoluene
 Concen: 7.096 ppbv
 RT: 15.45 min Scan# 3940
 Delta R.T. -0.00 min
 Lab File: VL036217.D
 Acq: 13 Jan 2021 7:41

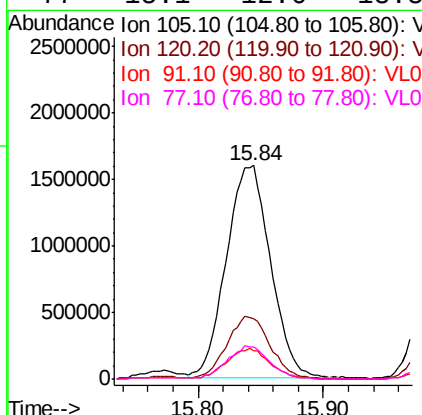
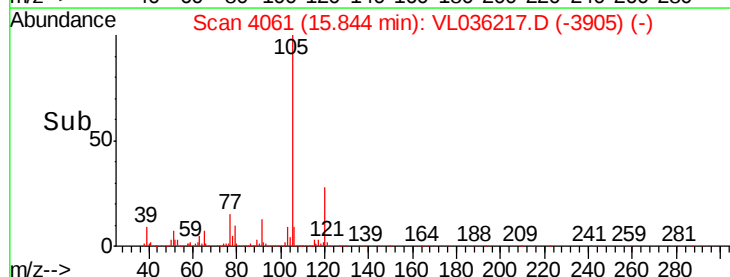
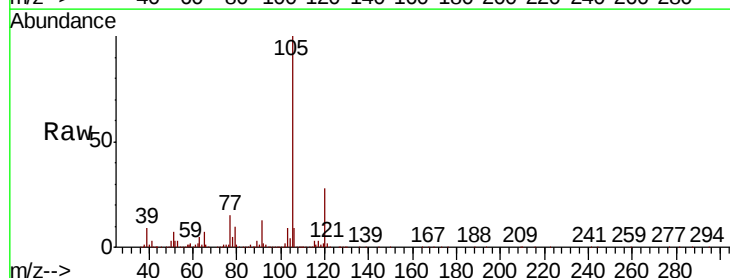
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL011321

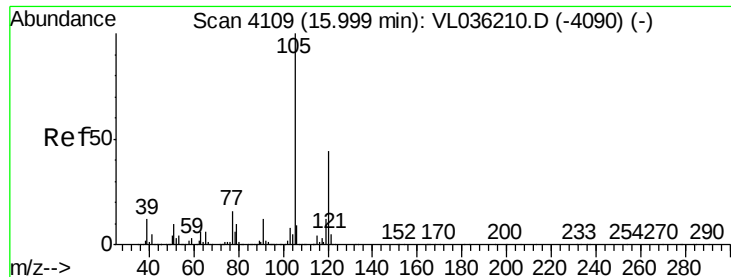
Tot Ion: 91 Resp: 3911500
 Ion Ratio Lower Upper
 91 100
 126 29.0 11.5 45.9



#72
 4-Ethyltoluene
 Concen: 7.333 ppbv
 RT: 15.84 min Scan# 4061
 Delta R.T. 0.00 min
 Lab File: VL036217.D
 Acq: 13 Jan 2021 7:41

Tgt Ion: 105 Resp: 3903046
 Ion Ratio Lower Upper
 105 100
 120 28.9 23.7 35.5
 91 13.8 11.9 17.9
 77 15.1 12.6 18.8





#73

1,3,5-Trimethylbenzene

Concen: 7.267 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

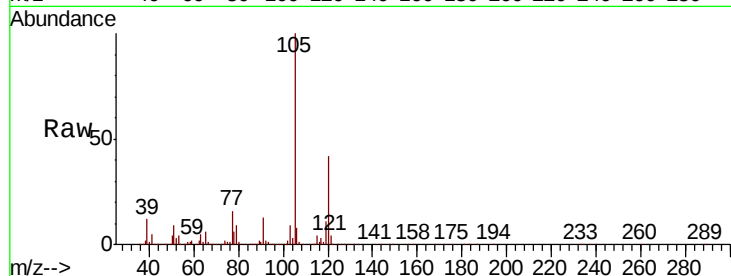
ICVVL011321

Tot Ion:105 Resp: 3687428

Ion Ratio Lower Upper

105 100

120 42.4 35.5 53.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

1500000

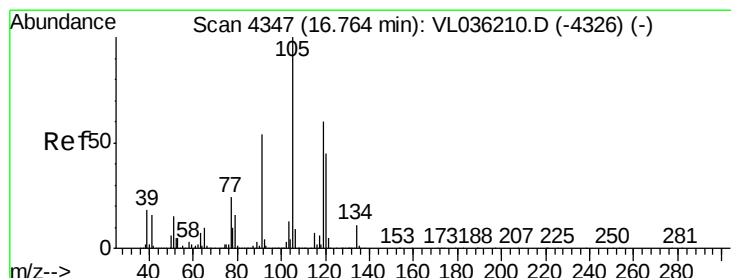
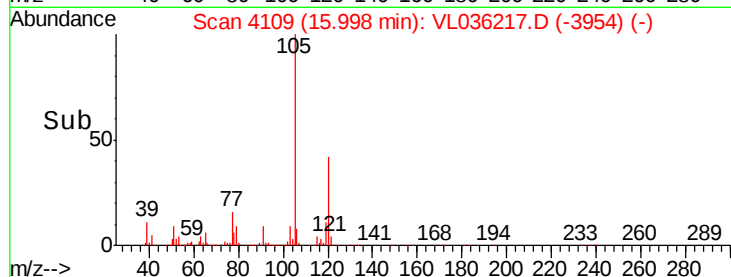
1000000

500000

0

15.90 16.00 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.002 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Tgt Ion:105 Resp: 3644115

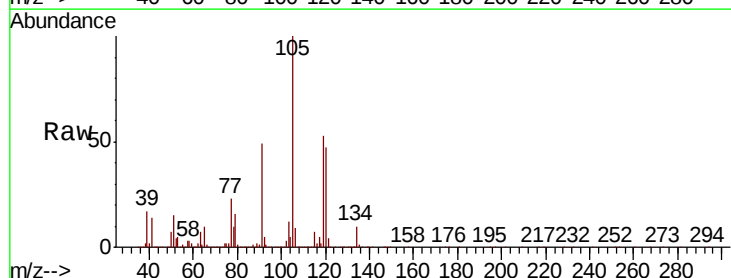
Ion Ratio Lower Upper

105 100

120 46.6 36.2 54.2

91 48.2 43.3 64.9

77 22.9 19.1 28.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VLO

Ion 77.10 (76.80 to 77.80): VLO

2000000

1500000

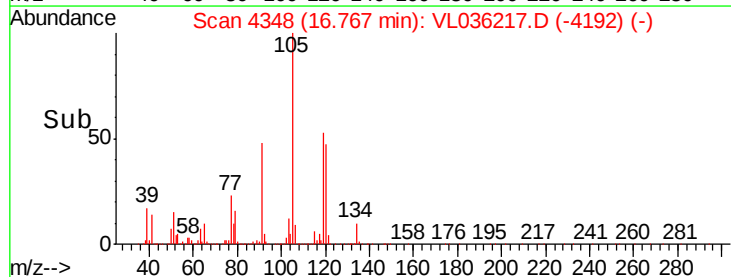
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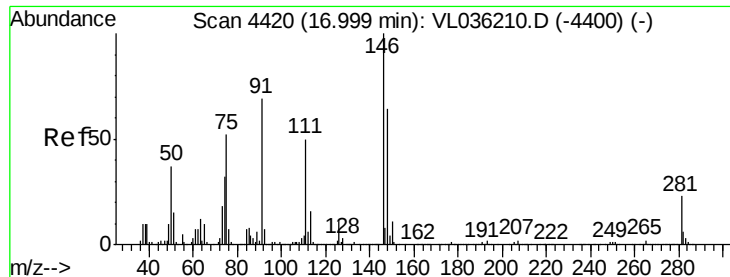
500000

0

16.70 16.80

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.325 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL011321

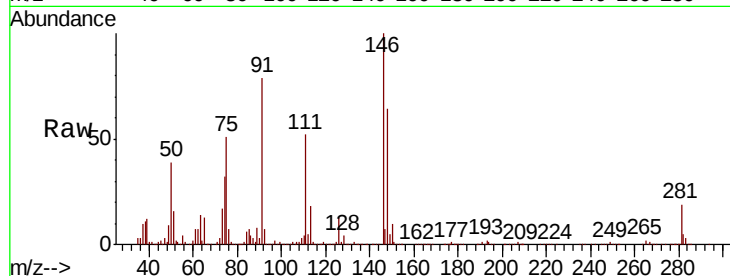
Tot Ion:146 Resp: 1993606

Ion Ratio Lower Upper

146 100

111 50.5 25.5 76.5

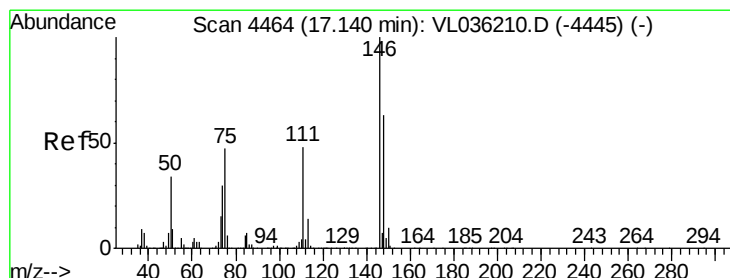
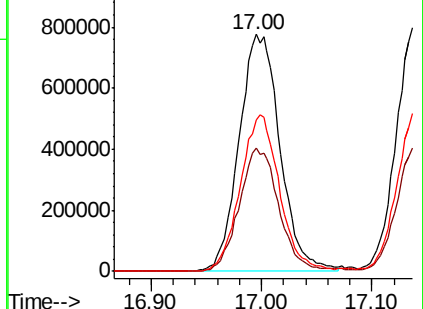
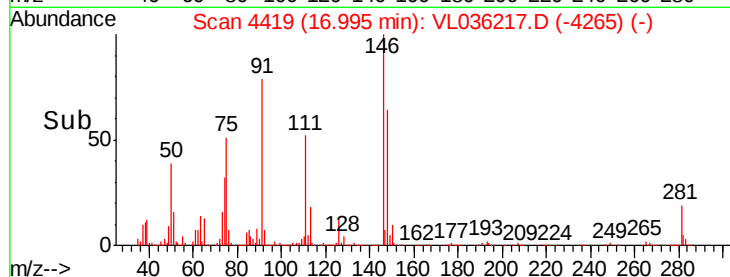
148 63.4 32.4 97.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.548 ppbv

RT: 17.14 min Scan# 4463

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

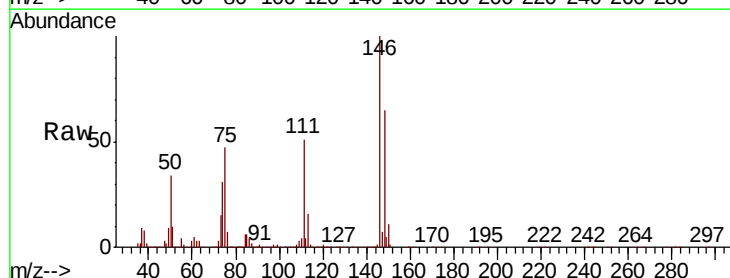
Tgt Ion:146 Resp: 1968086

Ion Ratio Lower Upper

146 100

111 49.9 25.4 76.0

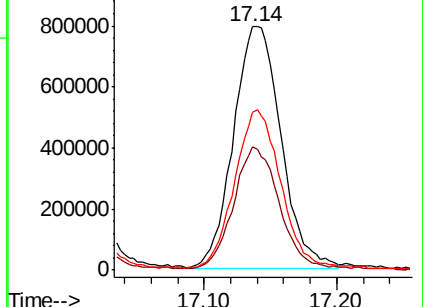
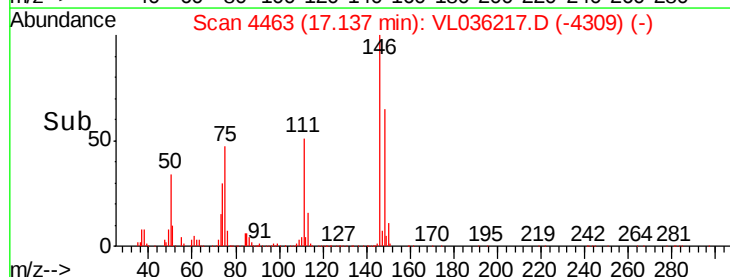
148 66.3 33.3 99.9

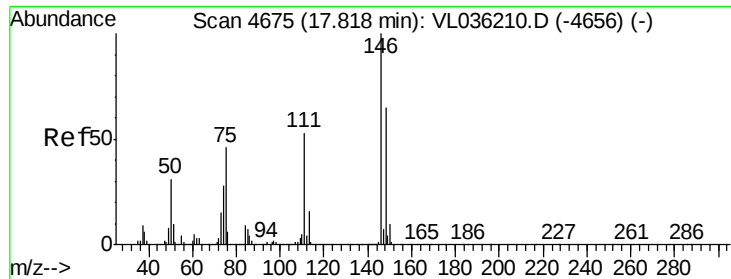


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

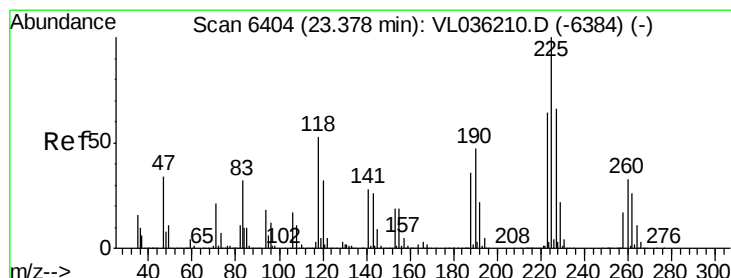
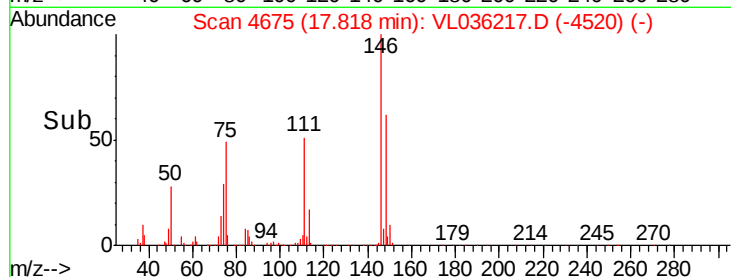
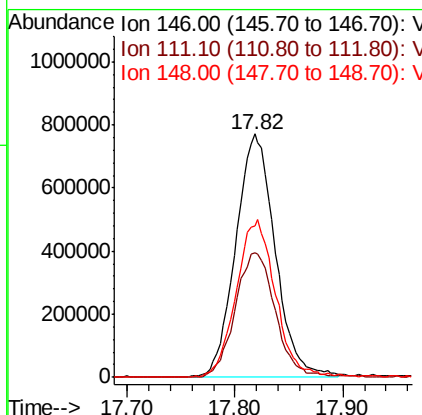
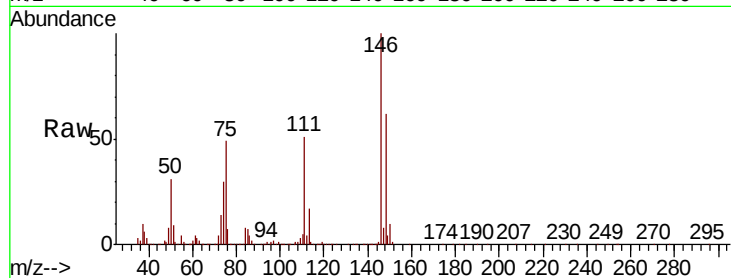




#77
 1,2-Dichlorobenzene
 Concen: 7.280 ppbv
 RT: 17.82 min Scan# 4675
 Delta R.T. -0.00 min
 Lab File: VL036217.D
 Acq: 13 Jan 2021 7:41

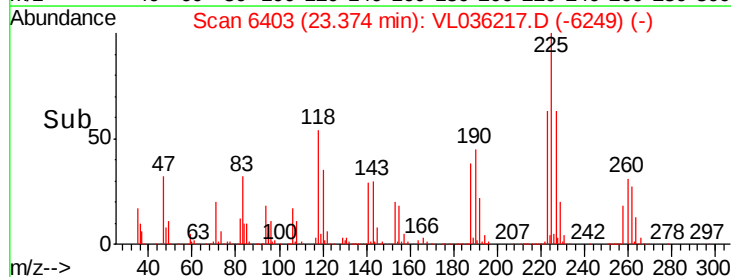
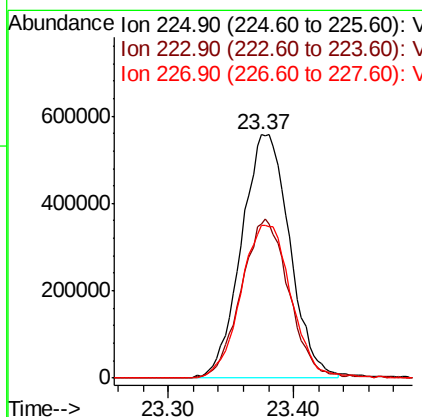
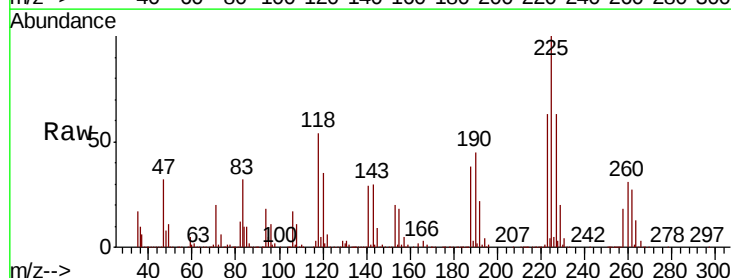
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL011321

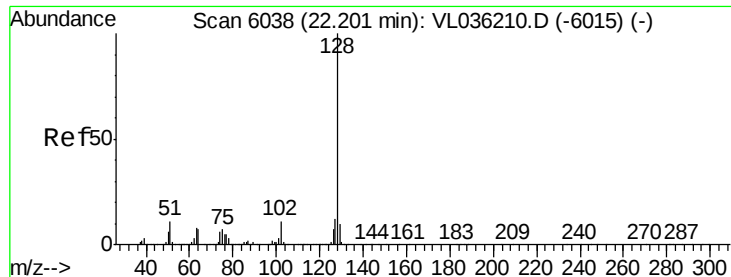
Tot Ion:146 Resp: 1947265
 Ion Ratio Lower Upper
 146 100
 111 52.5 26.5 79.4
 148 65.8 32.8 98.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.973 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. -0.00 min
 Lab File: VL036217.D
 Acq: 13 Jan 2021 7:41

Tgt Ion:225 Resp: 1485789
 Ion Ratio Lower Upper
 225 100
 223 65.1 50.5 75.7
 227 65.8 51.7 77.5





#79

Naphthalene

Concen: 4.972 ppbv

RT: 22.20 min Scan# 6037

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL011321

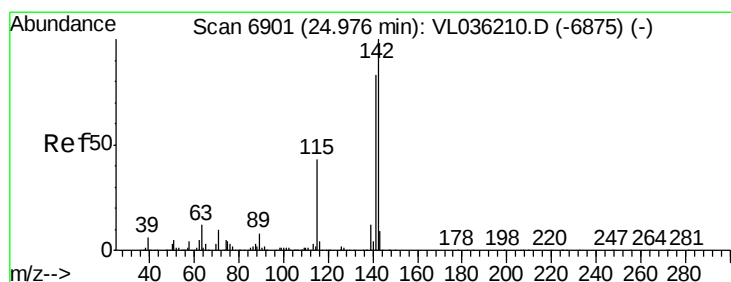
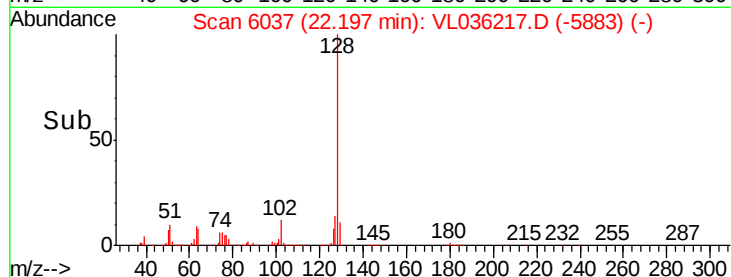
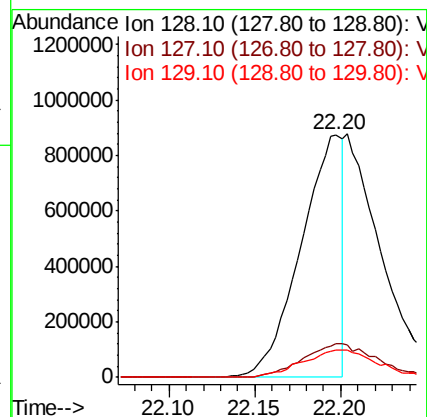
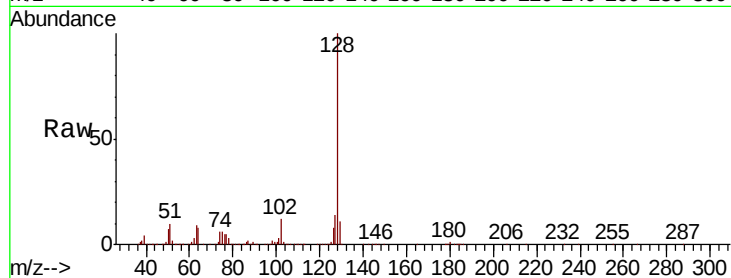
Tot Ion:128 Resp: 1480338

Ion Ratio Lower Upper

128 100

127 14.0 9.9 14.9

129 11.2 8.4 12.6



#80

Naphthalene, 2-methyl-

Concen: 16.608 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. -0.00 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

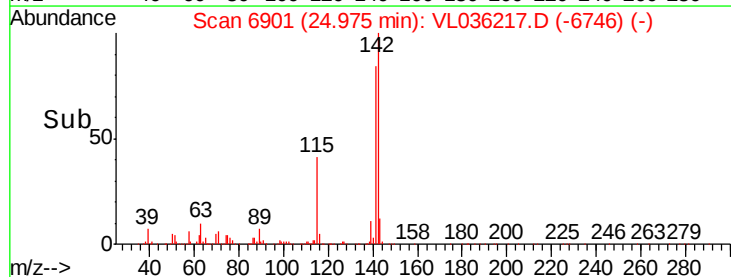
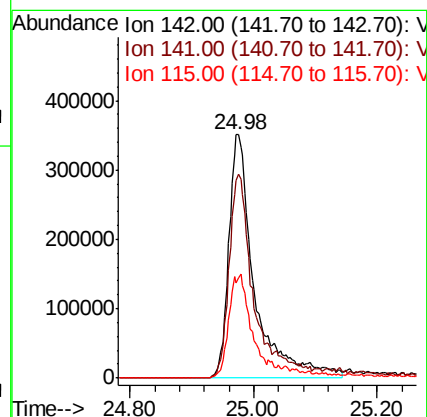
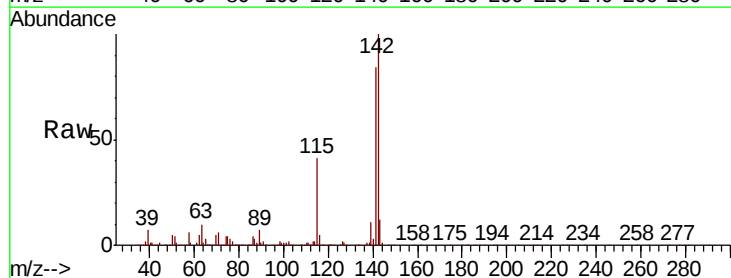
Tgt Ion:142 Resp: 1013944

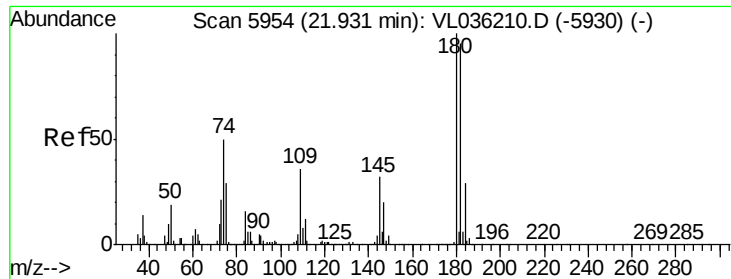
Ion Ratio Lower Upper

142 100

141 85.2 68.6 102.8

115 43.4 32.9 49.3





#81

1,2,4-Trichlorobenzene

Concen: 8.627 ppbv

RT: 21.92 min Scan# 5952

Delta R.T. -0.01 min

Lab File: VL036217.D

Acq: 13 Jan 2021 7:41

Instrument :

MSVOA_L

ClientSampleId :

ICVVL011321

Tot Ion:180 Resp: 1442868

Ion Ratio Lower Upper

180 100

182 101.0 79.9 119.9

184 32.1 25.6 38.4

