

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081821\
 Data File : VL037487.D
 Acq On : 18 Aug 2021 11:44
 Operator : SY/AP
 Sample : VL0818ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 19 01:39:42 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1427044	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4291633	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4786391	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2797757	8.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2109468	9.213	ppbv	98
3) Chlorodifluoromethane	2.98	51	2524993	9.240	ppbv	100
4) Chloromethane	3.13	50	940360	9.630	ppbv	96
5) Vinyl Chloride	3.25	62	951428	9.510	ppbv	97
6) Bromomethane	3.47	94	444140	8.105	ppbv	99
7) Chloroethane	3.55	64	320784	9.395	ppbv	92
8) Dichlorotetrafluoroethane	3.18	85	2221807	9.399	ppbv	99
9) Propene	3.00	41	883073	9.032	ppbv	98
10) Heptane	8.11	43	2256962	10.029	ppbv	99
11) Trichlorofluoromethane	3.94	101	2002358	9.316	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1510714	9.579	ppbv	99
13) Ethanol	3.60	45	32444	3.410	ppbv #	1
14) Bromoethene	3.73	108	675281	9.431	ppbv	98
15) Acetone	3.84	43	1147343	7.900	ppbv	98
16) 1,3-Butadiene	3.32	39	922398	9.901	ppbv	99
17) tert-Butyl alcohol	4.28	59	1268368	9.560	ppbv	98
18) 1,1-Dichloroethene	4.28	96	682059	9.520	ppbv	98
19) Isopropyl Alcohol	3.95	45	757475	9.104	ppbv #	98
20) Methylene Chloride	4.33	84	585757	8.056	ppbv	94
21) Allyl Chloride	4.40	41	1066716	9.043	ppbv	95
22) trans-1,2-Dichloroethene	4.88	96	720164	10.076	ppbv	98
23) Vinyl Acetate	5.06	43	1677572	7.837	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1381788	8.900	ppbv	99
25) Ethyl Acetate	5.67	43	3478278	9.434	ppbv	99
26) Hexane	5.67	57	1670284	9.266	ppbv	99
27) Carbon Disulfide	4.54	76	1704220	10.608	ppbv	97
28) Methyl tert-Butyl Ether	5.02	73	1474330	8.516	ppbv	100
29) Chloroform	5.74	83	2450602	9.593	ppbv	96
30) Cyclohexane	7.11	84	1423112	9.475	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1590354	9.748	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	2408316	9.595	ppbv	100
34) 2-Butanone	5.23	43	1487642	8.489	ppbv	95
35) Carbon Tetrachloride	7.01	117	2490347	9.819	ppbv	99
36) Benzene	6.88	78	3527349	9.777	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1782939	9.977	ppbv	99
38) Trichloroethene	7.82	130	1385830	9.362	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1325172	9.559	ppbv	98
40) 1,4-Dioxane	7.82	88	310089	9.130	ppbv #	100
41) Tetrahydrofuran	6.04	42	805114	9.537	ppbv	99
42) Bromodichloromethane	7.78	83	2620848	10.030	ppbv	98
43) Methyl Methacrylate	8.00	69	1276335	10.150	ppbv	100

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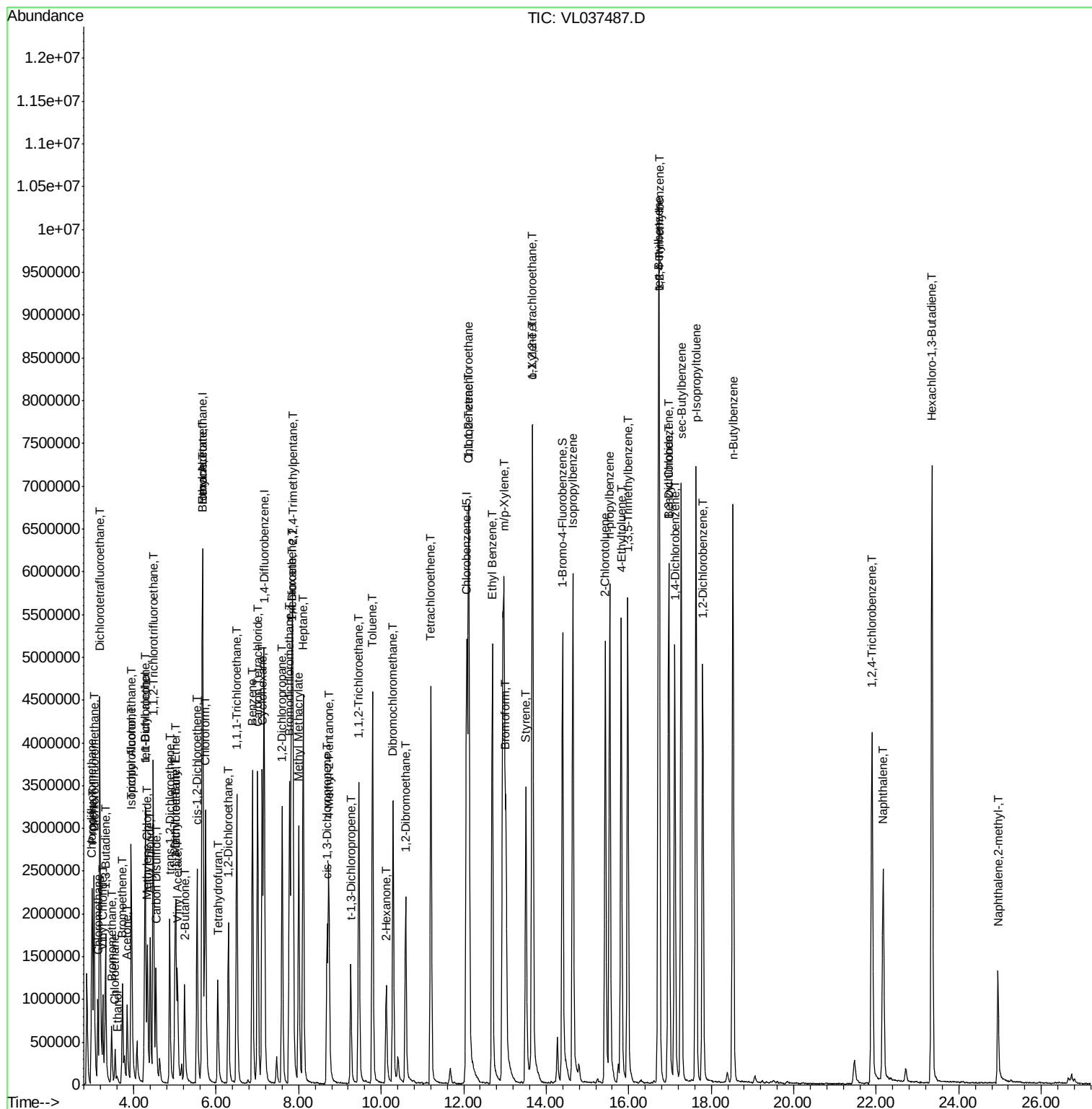
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5816125	9.579	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	869977	9.191	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1182512	8.955	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1428680	9.538	ppbv	98
48) Dibromochloromethane	10.29	129	2284193	10.596	ppbv	100
49) Bromoform	13.02	173	1857225	10.930	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2295311	10.039	ppbv	99
51) 2-Hexanone	10.12	43	1118186	10.633	ppbv #	99
52) Tetrachloroethene	11.20	164	1319630	8.926	ppbv	98
53) Toluene	9.79	91	4114862	9.989	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1990703	9.520	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1549246	7.768	ppbv	97
57) Chlorobenzene	12.13	112	2919629	7.350	ppbv	98
58) Ethyl Benzene	12.69	91	5188221	7.811	ppbv	99
59) m/p-Xylene	12.98	91	4996910	8.678	ppbv #	46
60) o-Xylene	13.67	91	4055782	7.546	ppbv	99
61) Styrene	13.51	104	2310433	8.275	ppbv	99
62) Isopropylbenzene	14.65	105	5721085	7.543	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	3064276	7.671	ppbv	98
64) n-propylbenzene	15.54	120	1534471	7.949	ppbv	98
65) tert-Butylbenzene	16.72	119	5227580	7.567	ppbv	100
66) Benzyl Chloride	16.97	91	298985	9.568	ppbv	100
67) sec-Butylbenzene	17.28	105	7298068	7.561	ppbv	99
69) p-Isopropyltoluene	17.63	119	6147972	7.816	ppbv	100
70) n-Butylbenzene	18.53	91	6042016	8.038	ppbv	99
71) 2-Chlorotoluene	15.43	91	4339380	7.801	ppbv	100
72) 4-Ethyltoluene	15.82	105	5142830	8.045	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4641274	7.800	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	4763902	7.534	ppbv #	90
75) 1,3-Dichlorobenzene	16.98	146	2887443	7.586	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2850848	7.435	ppbv	99
77) 1,2-Dichlorobenzene	17.79	146	2797403	7.464	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2141337	6.872	ppbv	99
79) Naphthalene	22.17	128	3540239	8.366	ppbv	97
80) Naphthalene, 2-methyl-	24.95	142	894022	7.584	ppbv	92
81) 1,2,4-Trichlorobenzene	21.90	180	2179870	8.209	ppbv	98

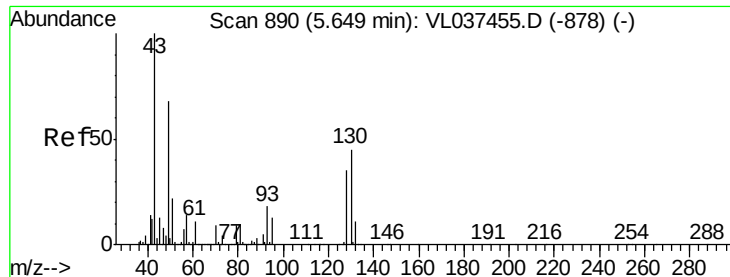
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

ClientSampleId :

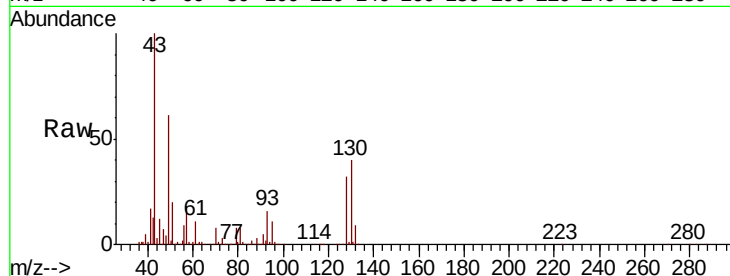
Tot Ion: 49 Resp: 1427044

Ion Ratio Lower Upper

49 100

128 56.0 27.5 82.4

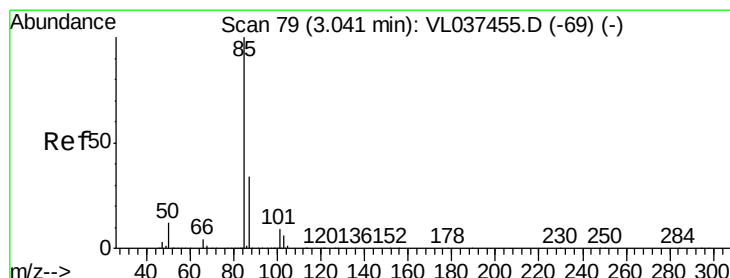
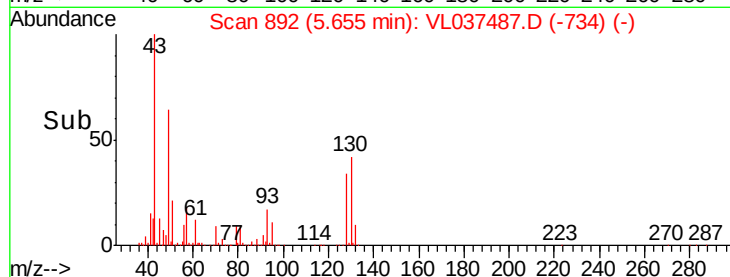
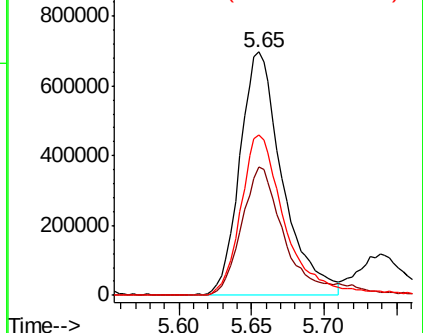
130 69.3 34.0 101.8



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: 9.213 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL037487.D

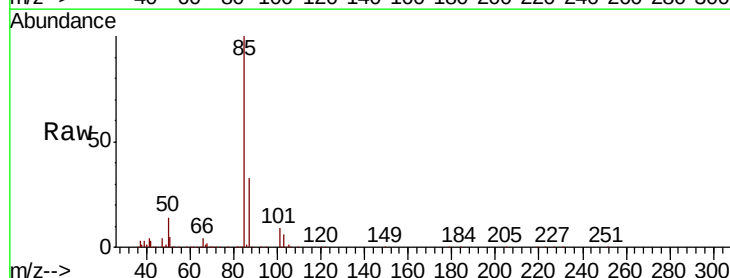
Acq: 18 Aug 2021 11:44

Tgt Ion: 85 Resp: 2109468

Ion Ratio Lower Upper

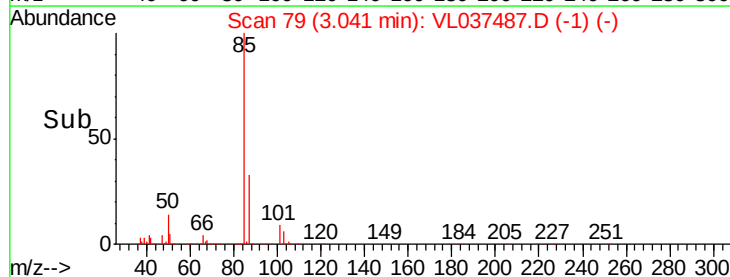
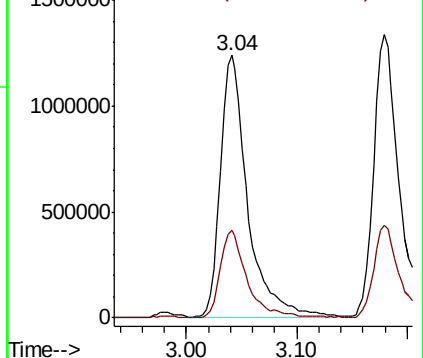
85 100

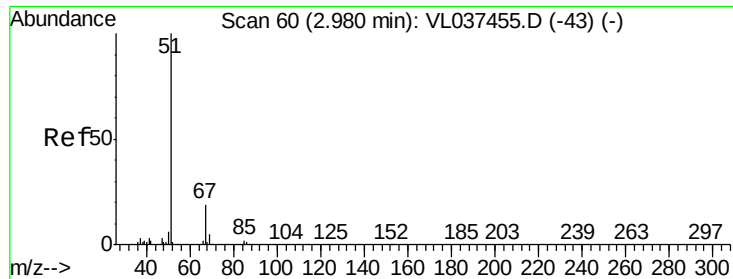
87 33.4 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

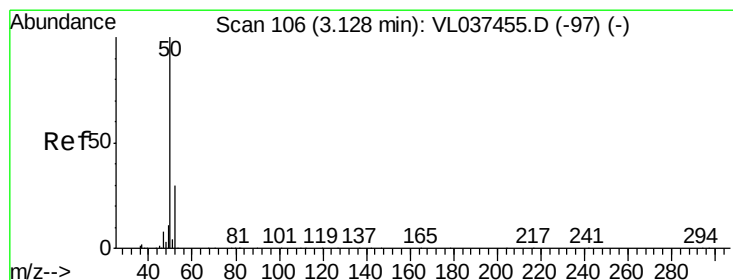
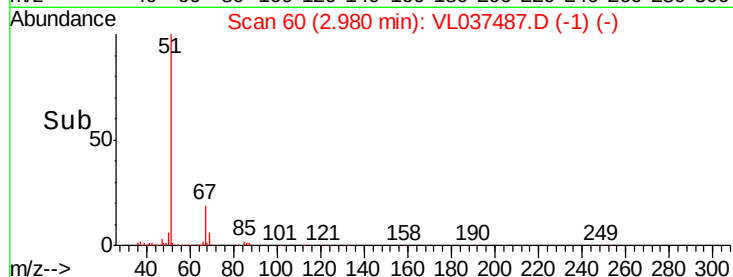
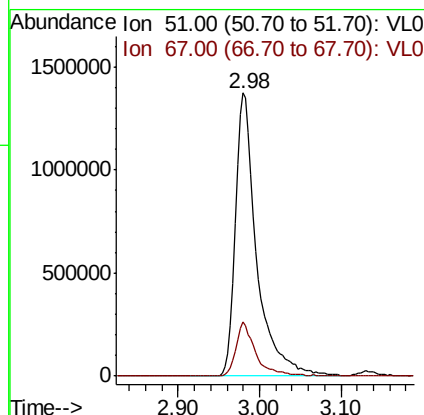
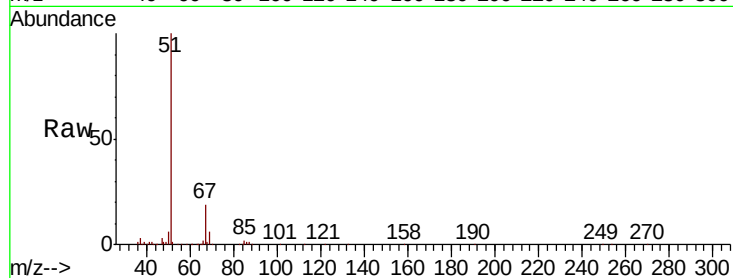




#3
 Chlorodifluoromethane
 Concen: 9.240 ppbv
 RT: 2.98 min Scan# 60
 Delta R.T. -0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

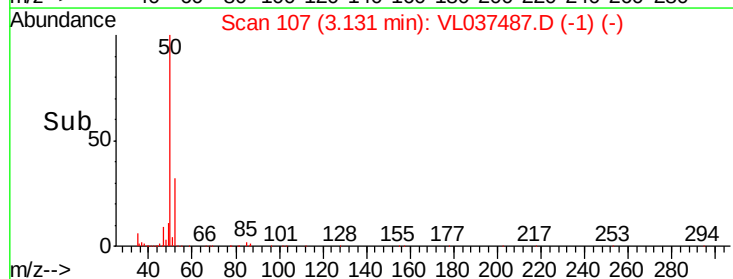
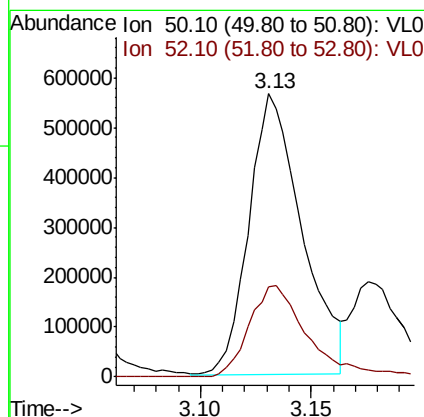
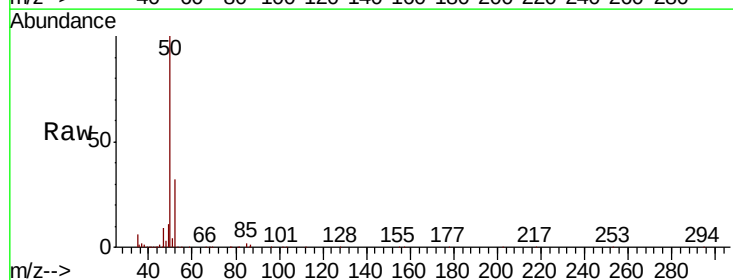
Instrument :
 MSVOA_L
 ClientSampleId :

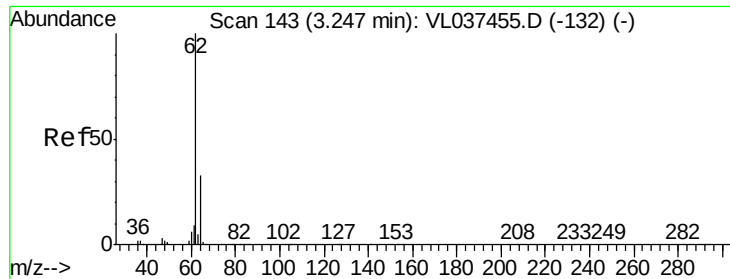
Tot Ion: 51 Resp: 2524993
 Ion Ratio Lower Upper
 51 100
 67 17.9 14.2 21.2



#4
 Chloromethane
 Concen: 9.630 ppbv
 RT: 3.13 min Scan# 107
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Tgt Ion: 50 Resp: 940360
 Ion Ratio Lower Upper
 50 100
 52 32.3 24.0 36.0





#5

Vinyl Chloride

Concen: 9.510 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

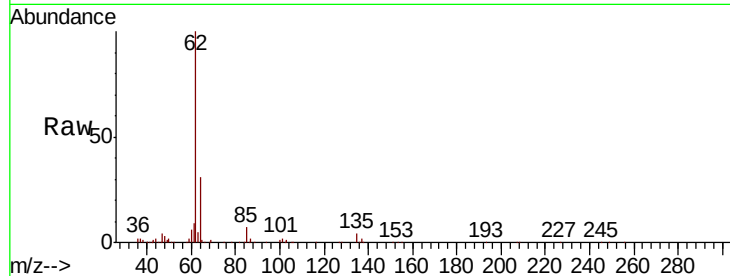
ClientSampleId :

Tot Ion: 62 Resp: 951428

Ion Ratio Lower Upper

62 100

64 31.5 26.5 39.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

600000

500000

400000

300000

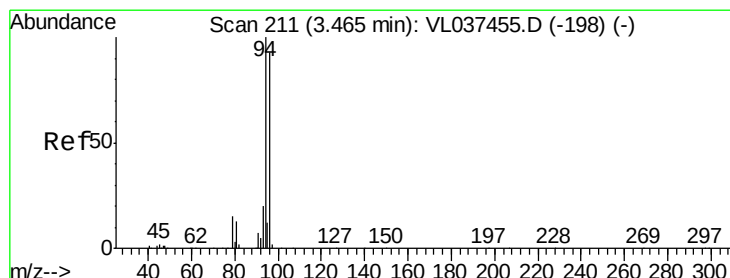
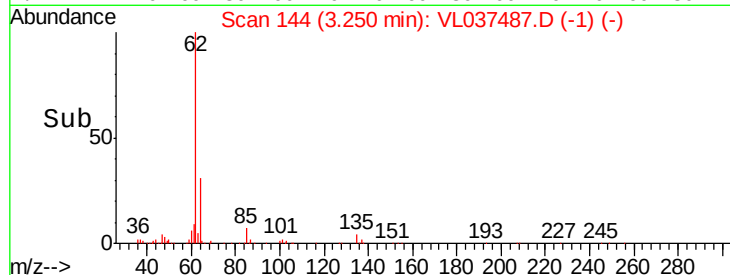
200000

100000

0

Time-->

3.20 3.25 3.30 3.35



#6

Bromomethane

Concen: 8.105 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL037487.D

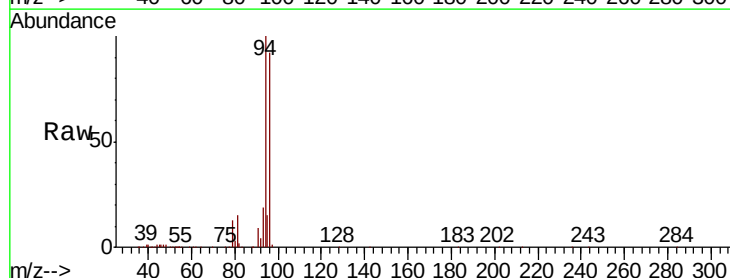
Acq: 18 Aug 2021 11:44

Tgt Ion: 94 Resp: 444140

Ion Ratio Lower Upper

94 100

96 91.8 74.5 111.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.47

250000

200000

150000

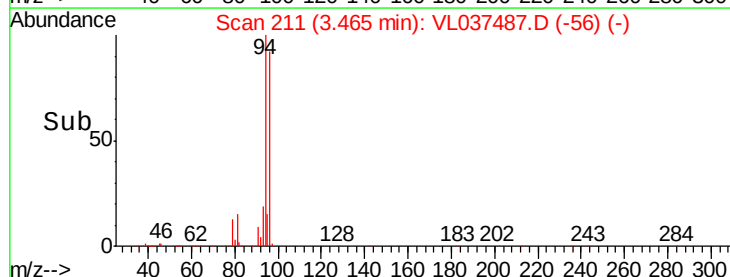
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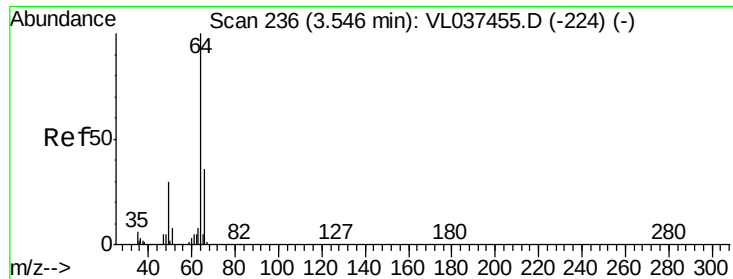
50000

0

Time-->

3.40 3.45 3.50





#7

Chloroethane

Concen: 9.395 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

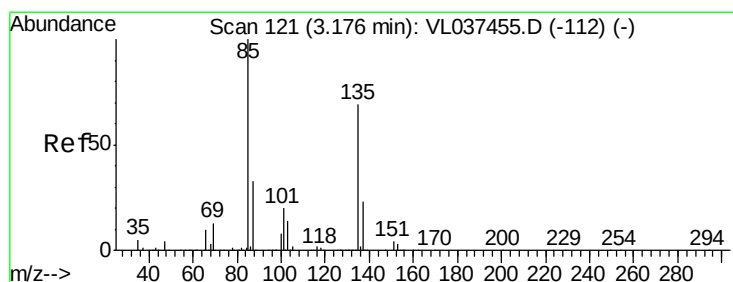
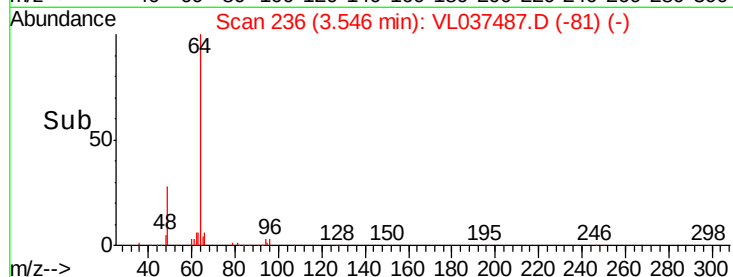
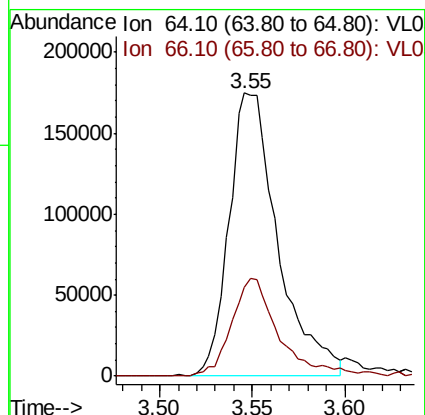
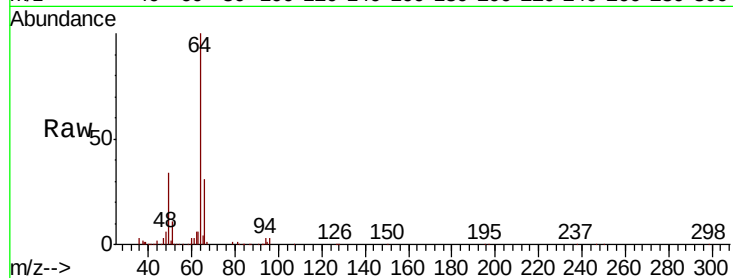
ClientSampleId :

Tot Ion: 64 Resp: 320784

Ion Ratio Lower Upper

64 100

66 31.4 28.6 43.0



#8

Dichlorotetrafluoroethane

Concen: 9.399 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037487.D

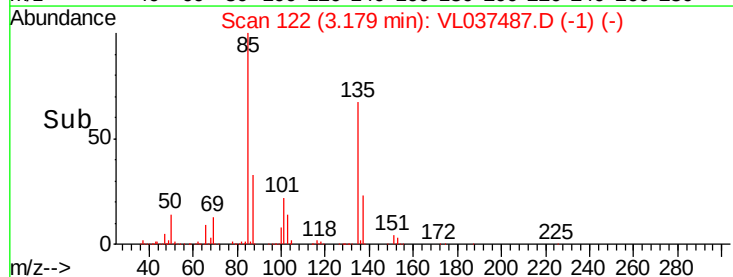
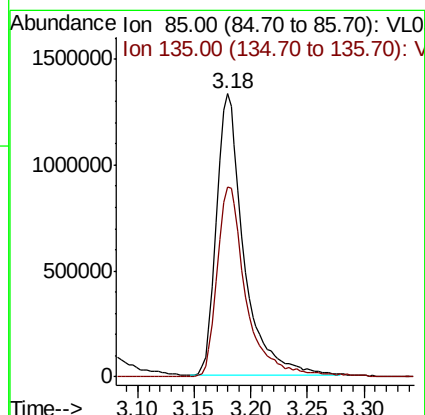
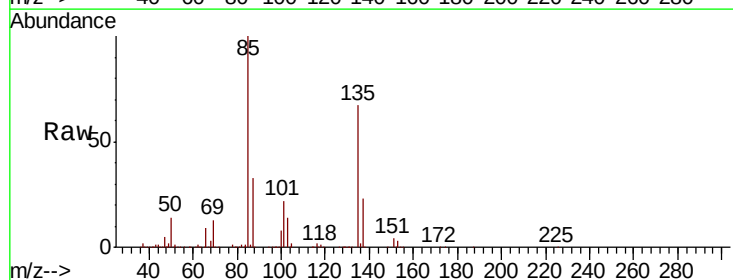
Acq: 18 Aug 2021 11:44

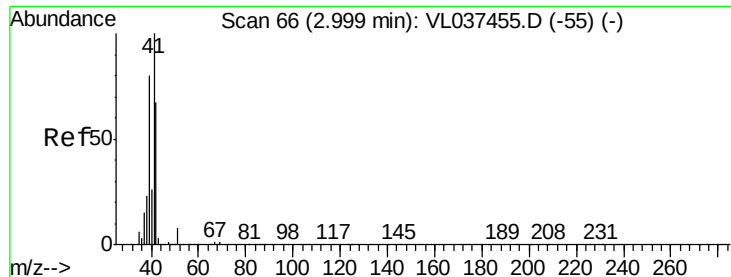
Tgt Ion: 85 Resp: 2221807

Ion Ratio Lower Upper

85 100

135 72.5 58.8 88.2





#9

Propene

Concen: 9.032 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

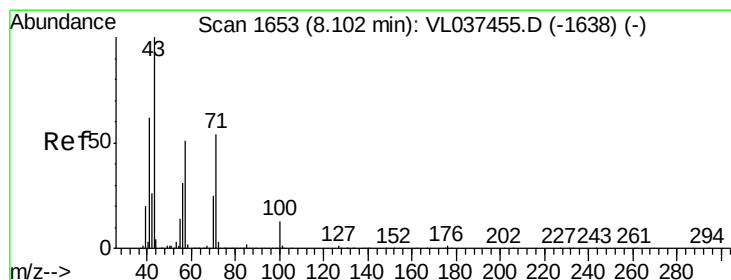
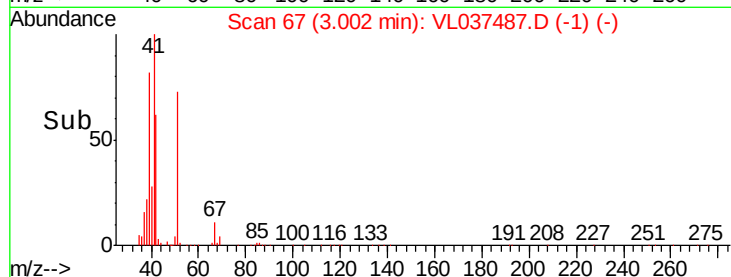
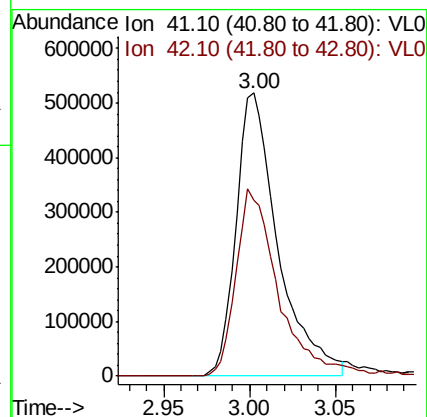
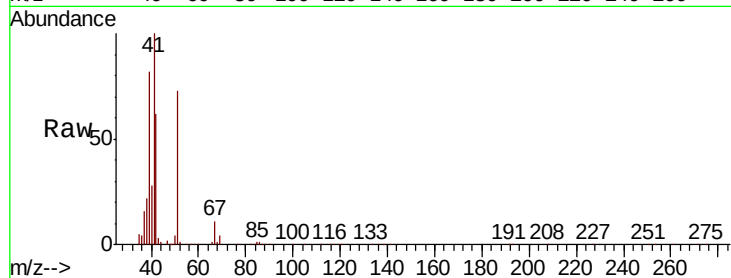
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 883073

Ion Ratio Lower Upper

41 100

42 68.6 53.7 80.5



#10

Heptane

Concen: 10.029 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. 0.01 min

Lab File: VL037487.D

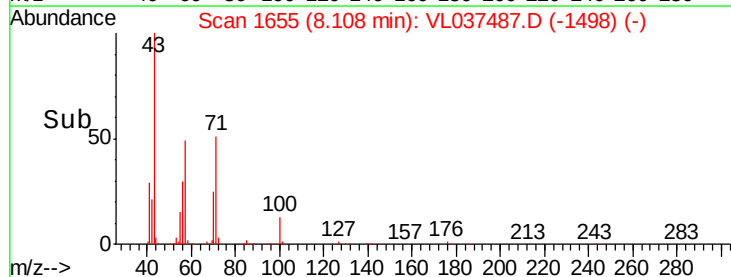
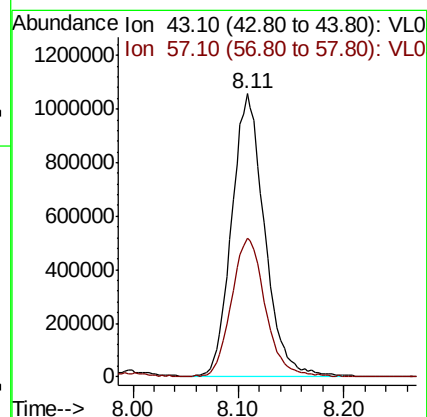
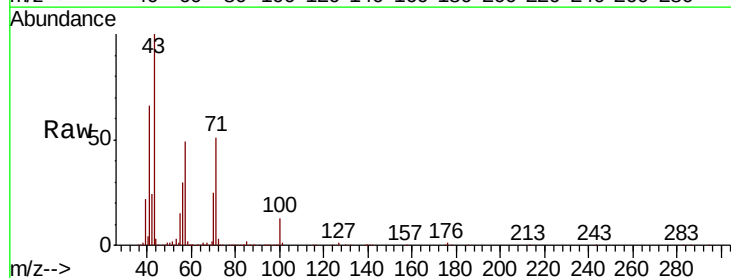
Acq: 18 Aug 2021 11:44

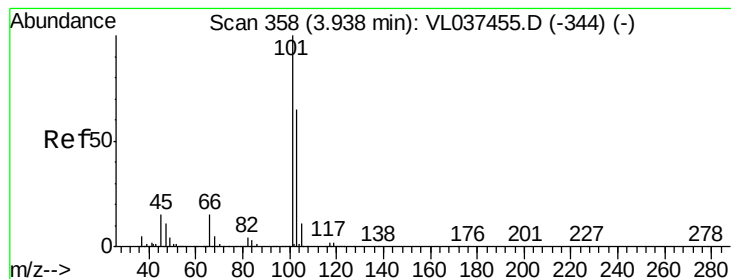
Tgt Ion: 43 Resp: 2256962

Ion Ratio Lower Upper

43 100

57 50.5 41.0 61.6





#11

Trichlorofluoromethane

Concen: 9.316 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

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Acq: 18 Aug 2021 11:44

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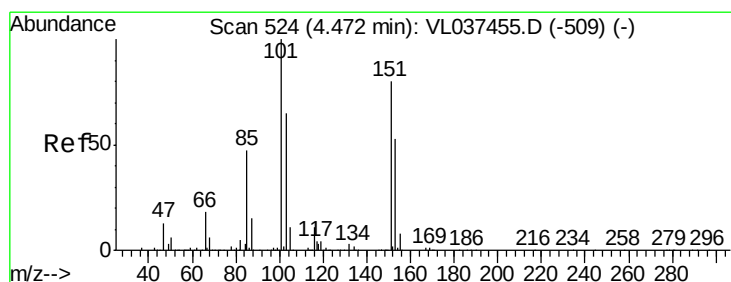
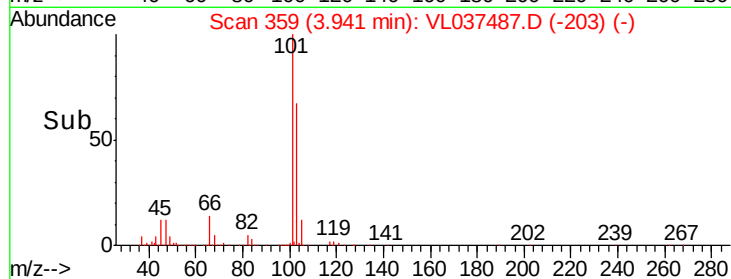
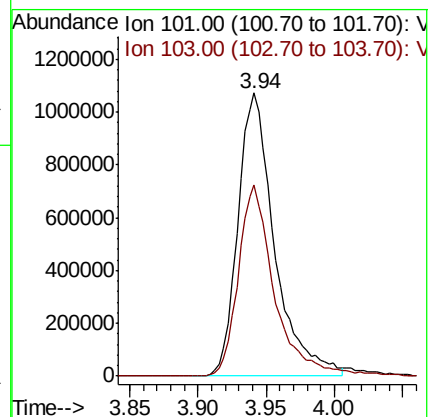
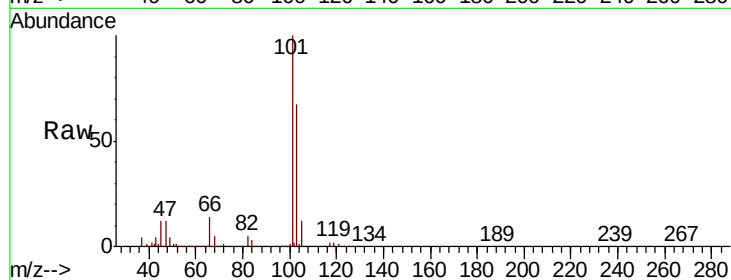
ClientSampleId :

Tot Ion:101 Resp: 2002358

Ion Ratio Lower Upper

101 100

103 67.4 51.8 77.6



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.579 ppbv

RT: 4.47 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL037487.D

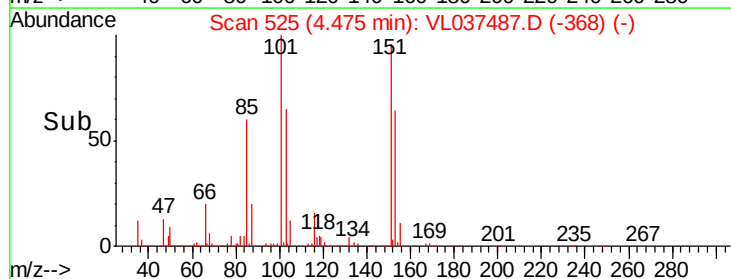
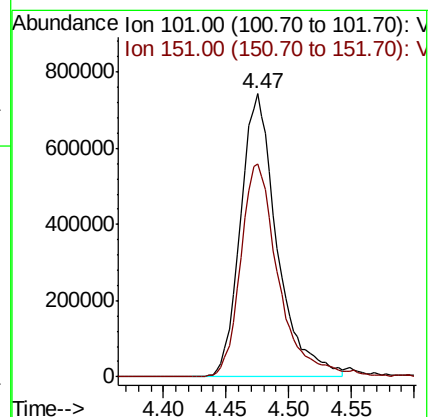
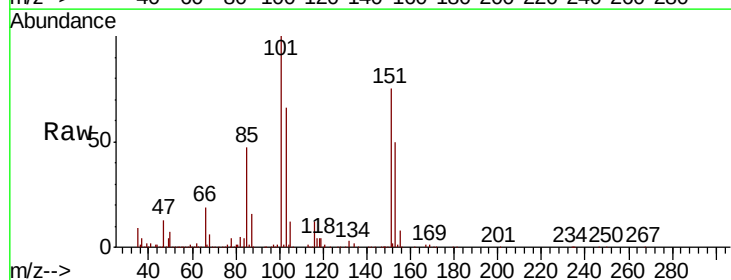
Acq: 18 Aug 2021 11:44

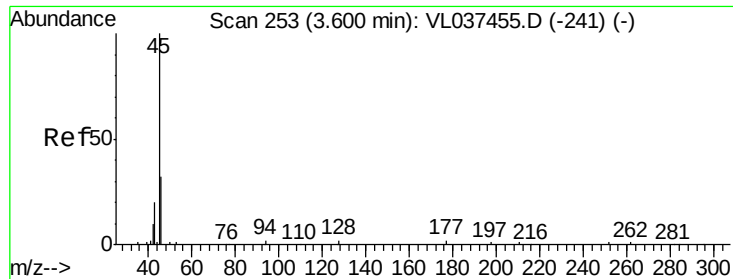
Tgt Ion:101 Resp: 1510714

Ion Ratio Lower Upper

101 100

151 78.6 63.7 95.5

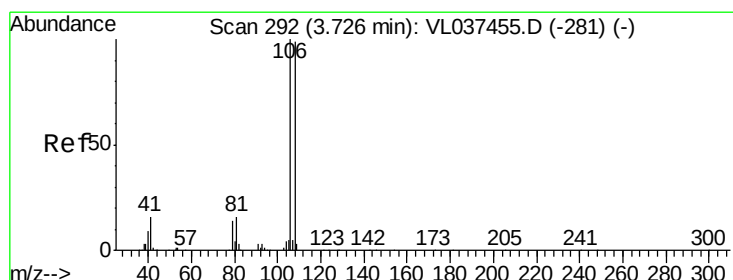
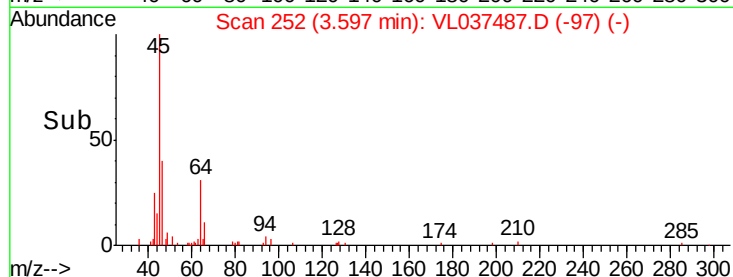
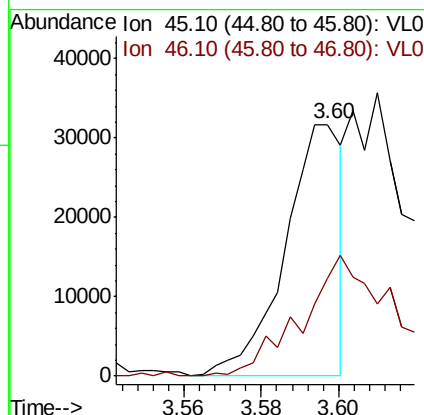
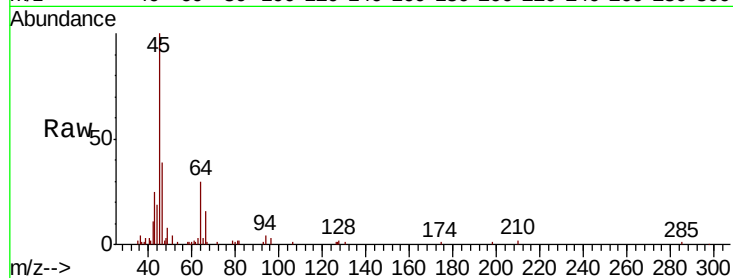




#13
 Ethanol
 Concen: 3.410 ppbv
 RT: 3.60 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

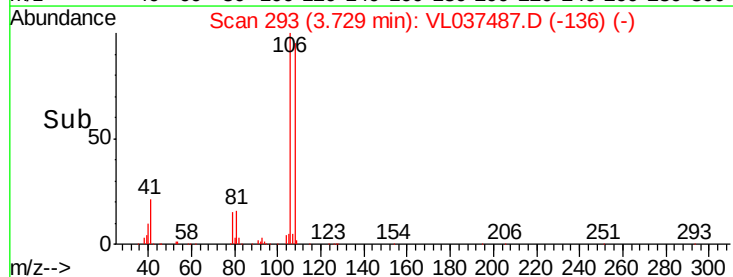
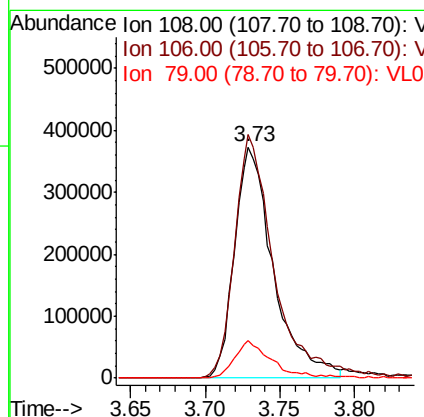
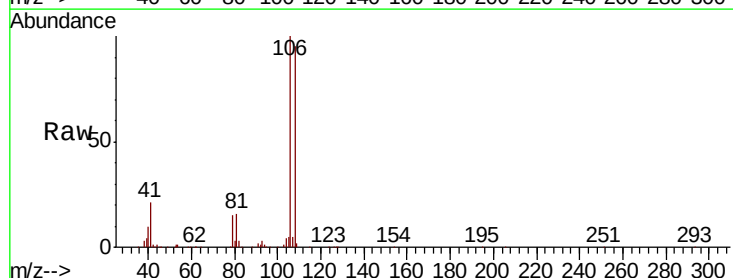
Instrument :
 MSVOA_L
 ClientSampleId :

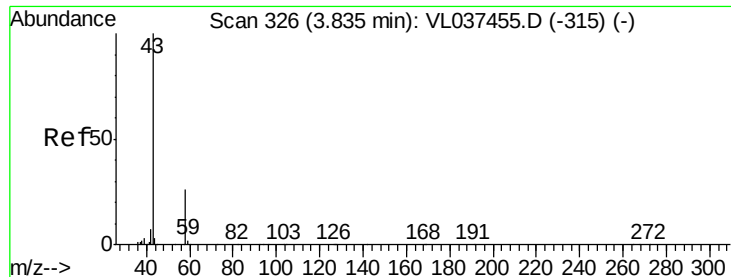
Tot Ion: 45 Resp: 32444
 Ion Ratio Lower Upper
 45 100
 46 102.8 14.1 56.5#



#14
 Bromoethene
 Concen: 9.431 ppbv
 RT: 3.73 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Tgt Ion: 108 Resp: 675281
 Ion Ratio Lower Upper
 108 100
 106 109.1 85.8 128.8
 79 16.2 12.6 18.8





#15

Acetone

Concen: 7.900 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

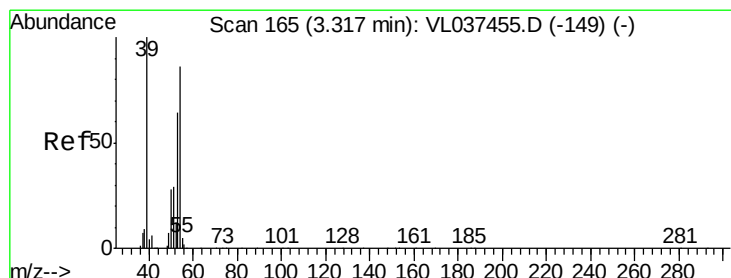
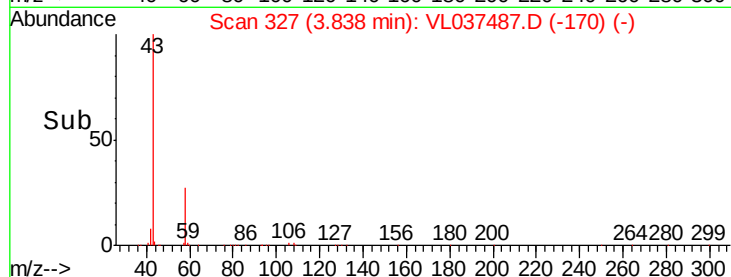
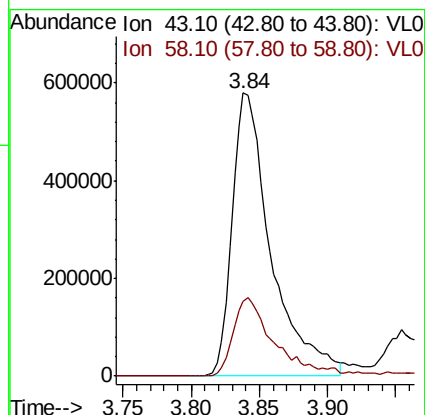
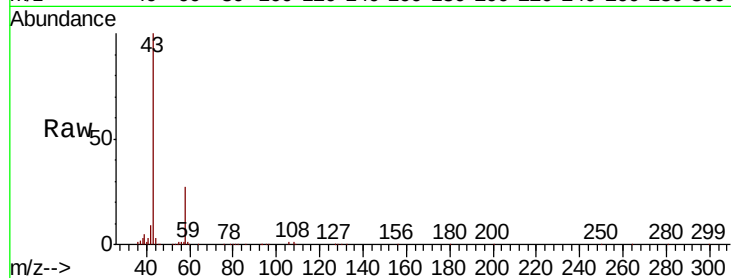
ClientSampleId :

Tot Ion: 43 Resp: 1147343

Ion Ratio Lower Upper

43 100

58 29.9 24.8 37.2



#16

1,3-Butadiene

Concen: 9.901 ppbv

RT: 3.32 min Scan# 166

Delta R.T. 0.00 min

Lab File: VL037487.D

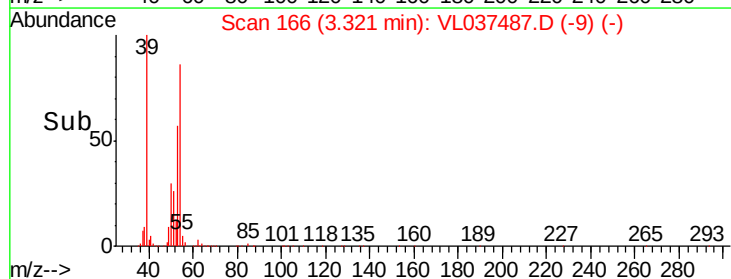
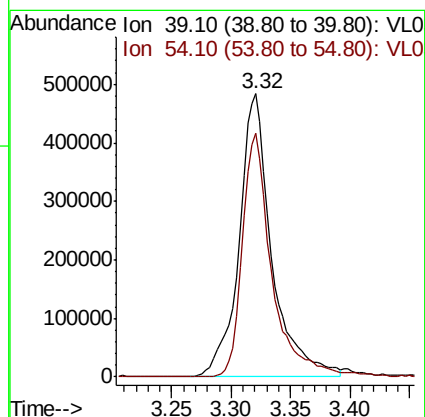
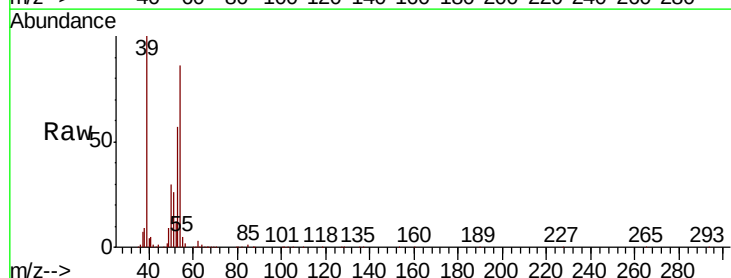
Acq: 18 Aug 2021 11:44

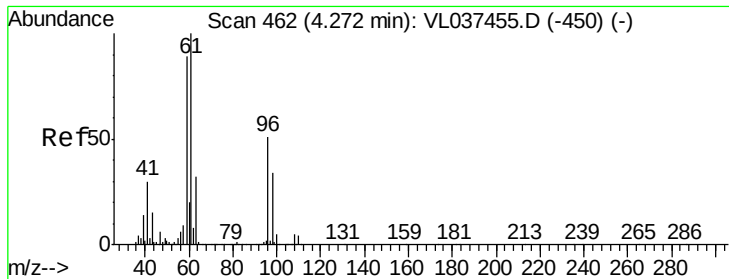
Tgt Ion: 39 Resp: 922398

Ion Ratio Lower Upper

39 100

54 78.5 63.7 95.5



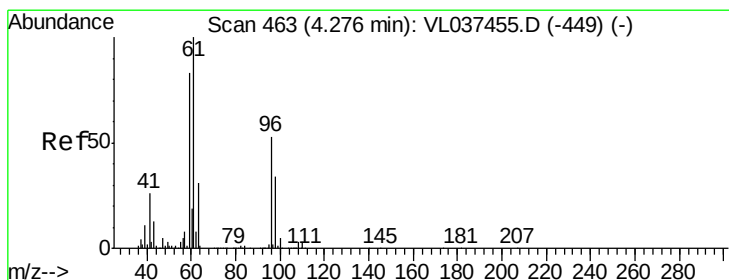
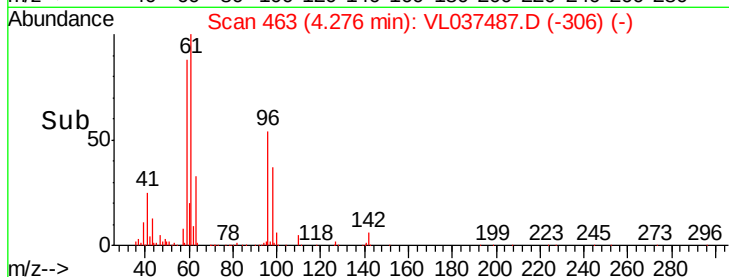
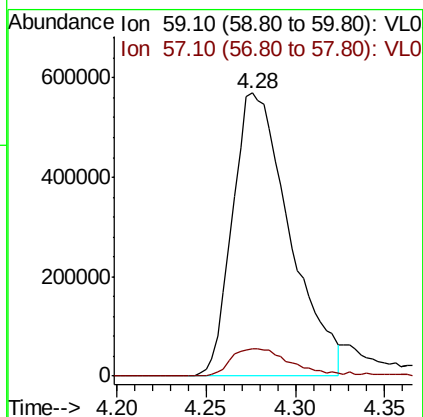
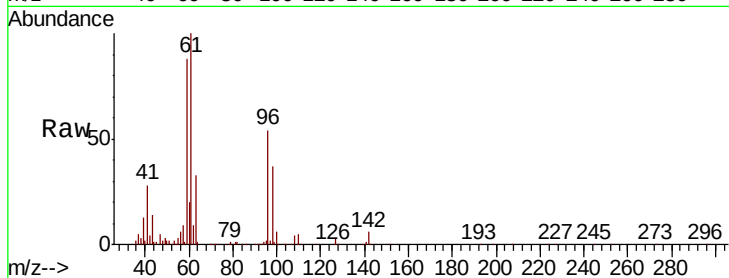


#17

tert-Butyl alcohol
Concen: 9.560 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Instrument :
MSVOA_L
ClientSampleId :

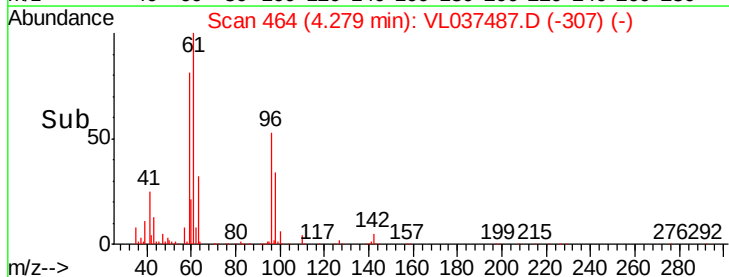
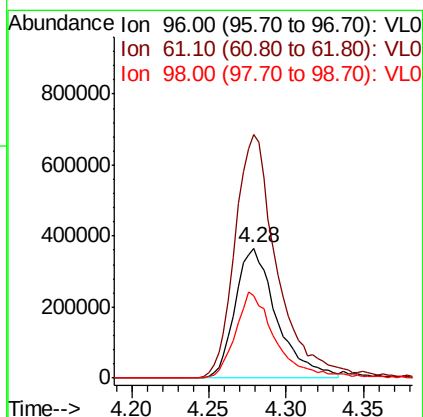
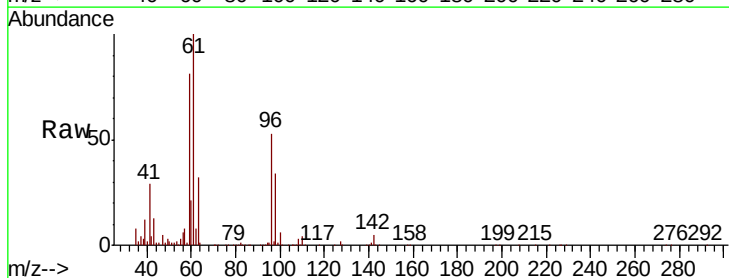
Tot Ion: 59 Resp: 1268368
Ion Ratio Lower Upper
59 100
57 11.1 8.3 12.5

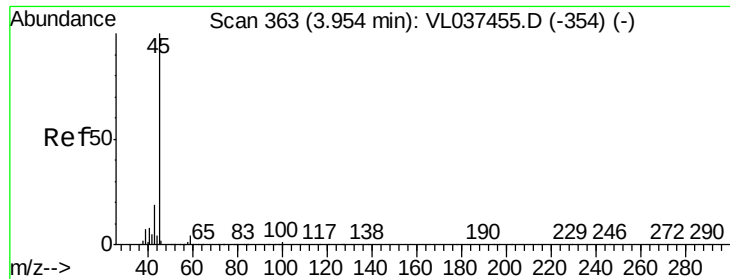


#18

1,1-Dichloroethene
Concen: 9.520 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion: 96 Resp: 682059
Ion Ratio Lower Upper
96 100
61 186.9 151.1 226.7
98 62.7 51.8 77.8





#19

Isopropyl Alcohol

Concen: 9.104 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

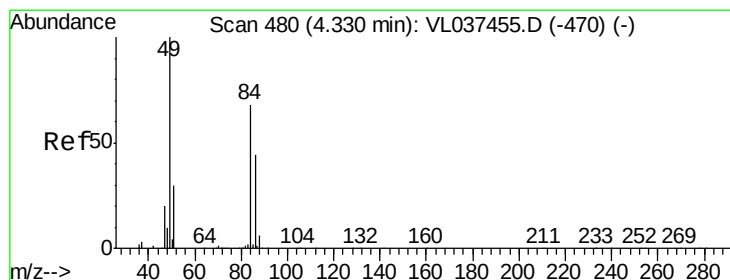
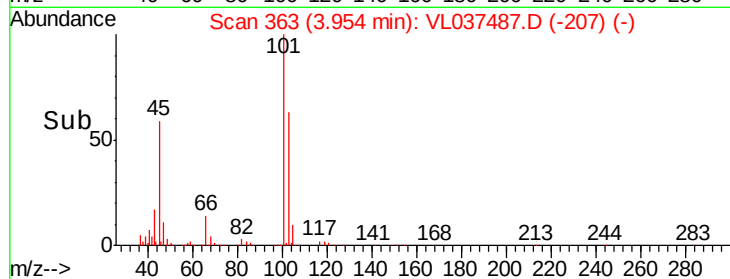
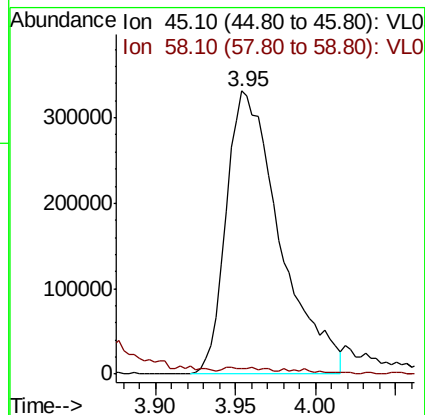
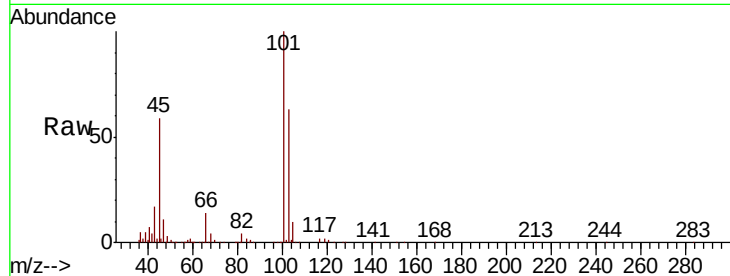
ClientSampleId :

Tot Ion: 45 Resp: 757475

Ion Ratio Lower Upper

45 100

58 2.5 1.4 2.2#



#20

Methylene Chloride

Concen: 8.056 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Tgt Ion: 84 Resp: 585757

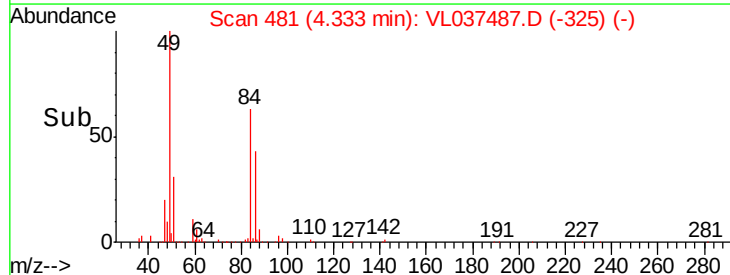
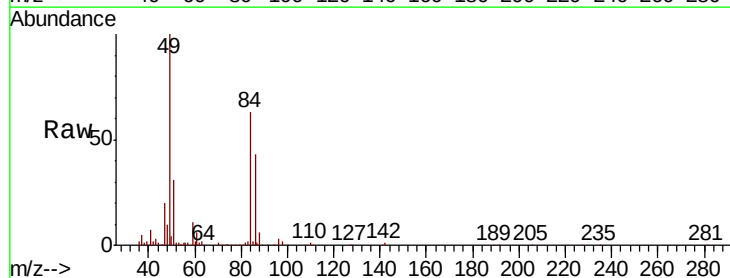
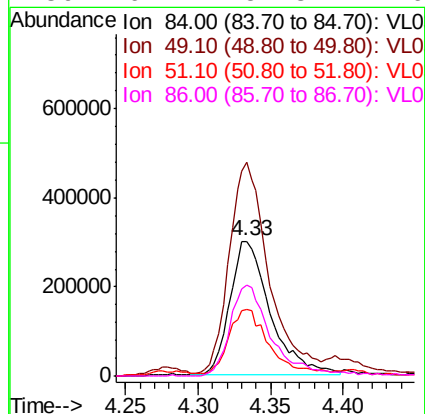
Ion Ratio Lower Upper

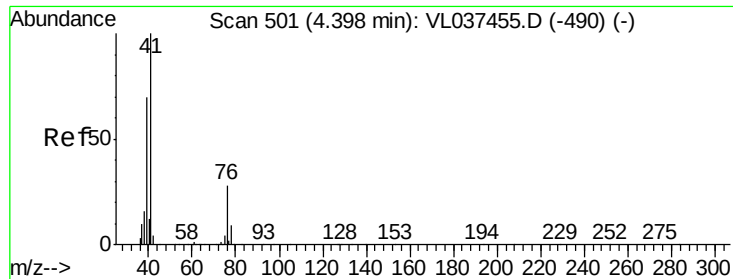
84 100

49 157.1 118.2 177.2

51 47.7 36.6 55.0

86 67.7 51.8 77.6

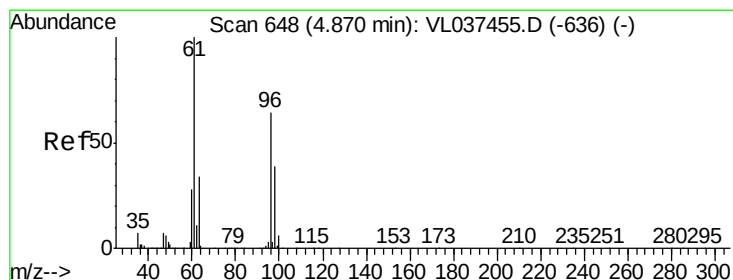
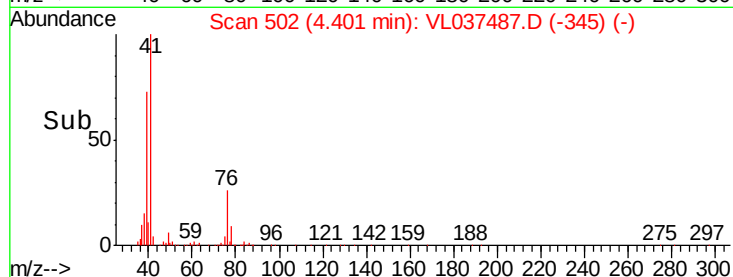
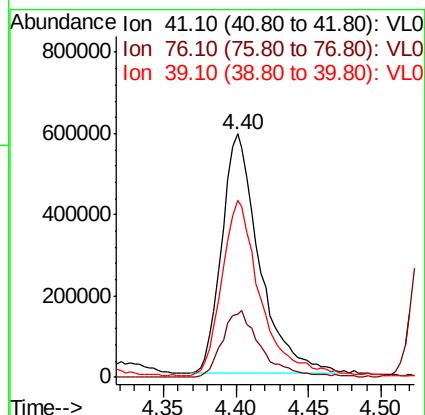
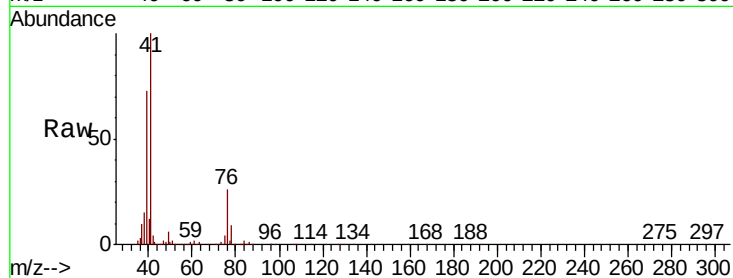




#21
 Allvl Chloride
 Concen: 9.043 ppbv
 RT: 4.40 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

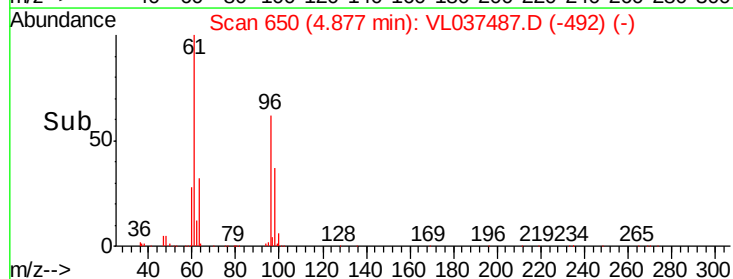
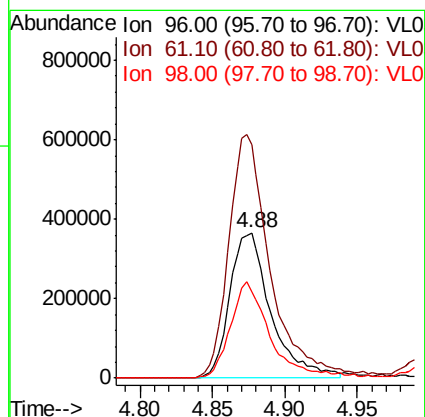
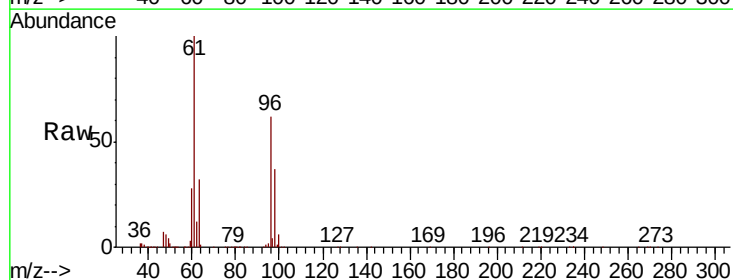
Instrument :
 MSVOA_L
 ClientSampleId :

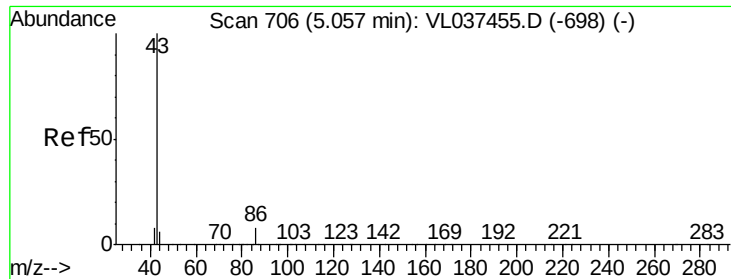
Tot Ion: 41 Resp: 1066716
 Ion Ratio Lower Upper
 41 100
 76 28.9 21.8 32.6
 39 76.1 56.8 85.2



#22
 trans-1,2-Dichloroethene
 Concen: 10.076 ppbv
 RT: 4.88 min Scan# 650
 Delta R.T. 0.01 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Tgt Ion: 96 Resp: 720164
 Ion Ratio Lower Upper
 96 100
 61 160.1 125.5 188.3
 98 59.4 49.0 73.4



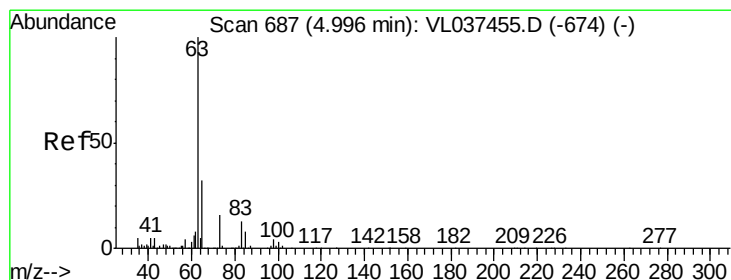
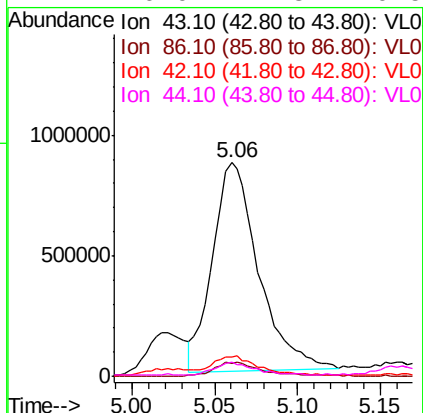
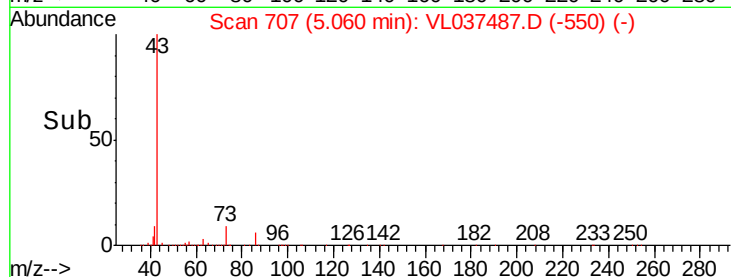
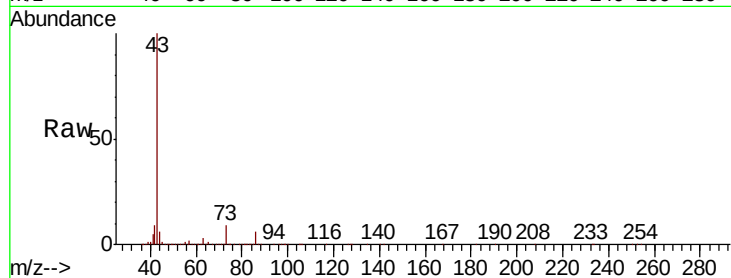


#23
 Vinyl Acetate
 Concen: 7.837 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 43 Resp: 1677572

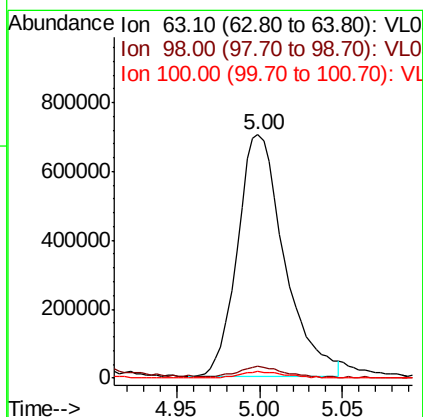
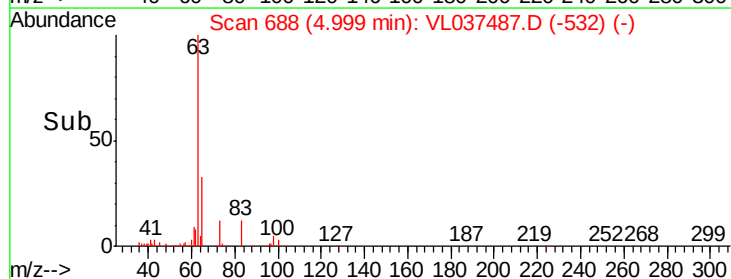
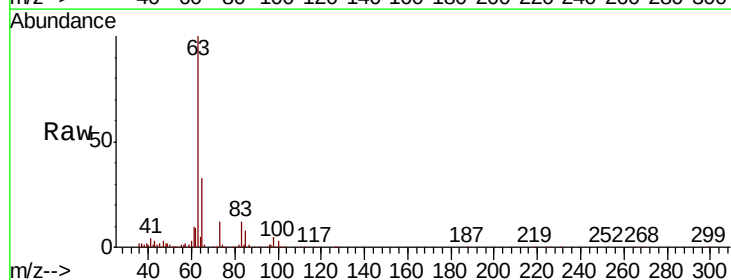
Ion	Ratio	Lower	Upper
43	100		
86	5.8	5.7	8.5
42	8.7	7.4	11.2
44	6.0	4.3	6.5

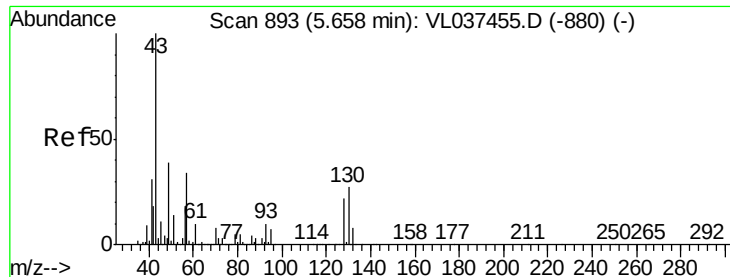


#24
 1,1-Dichloroethane
 Concen: 8.900 ppbv
 RT: 5.00 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Tgt Ion: 63 Resp: 1381788

Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.1	6.3
100	2.5	1.6	4.7



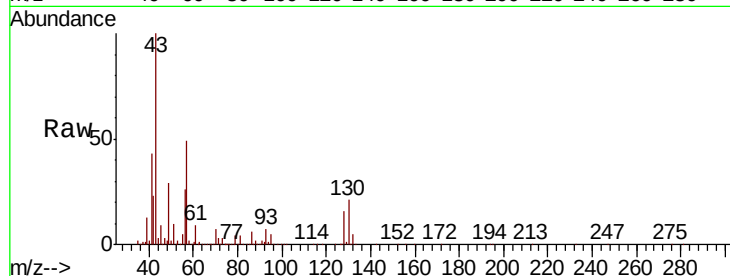


#25
Ethyl Acetate
Concen: 9.434 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

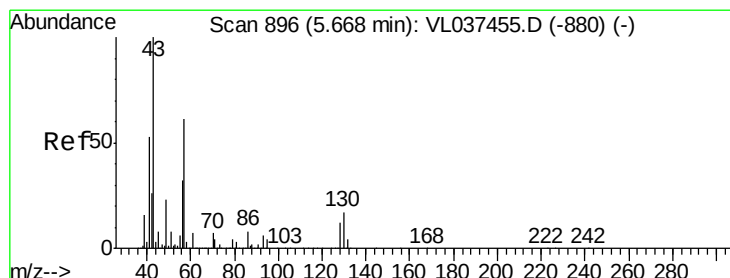
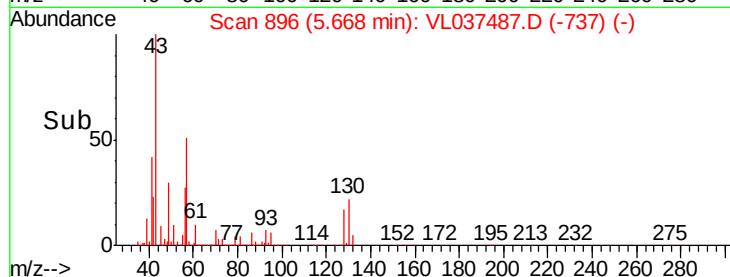
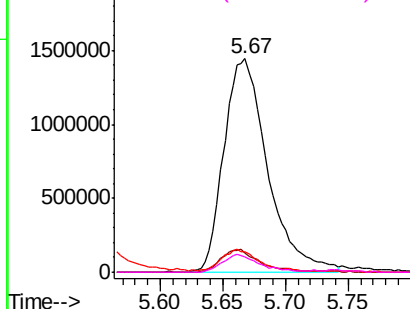
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 3478278

Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	10.1	8.0	12.0
70	8.3	5.6	8.4



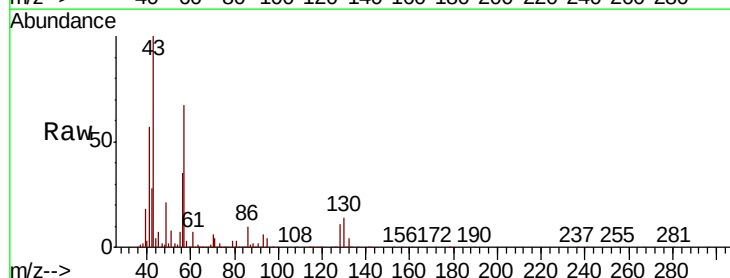
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



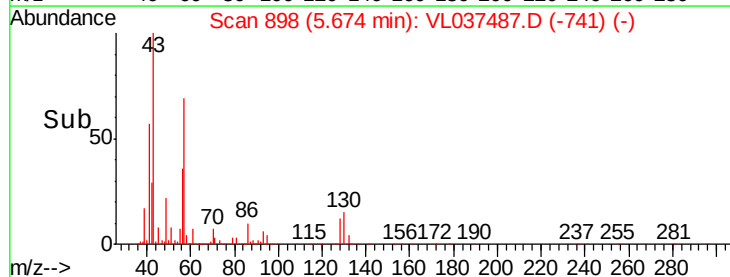
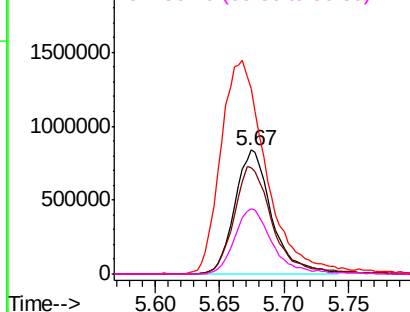
#26
Hexane
Concen: 9.266 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

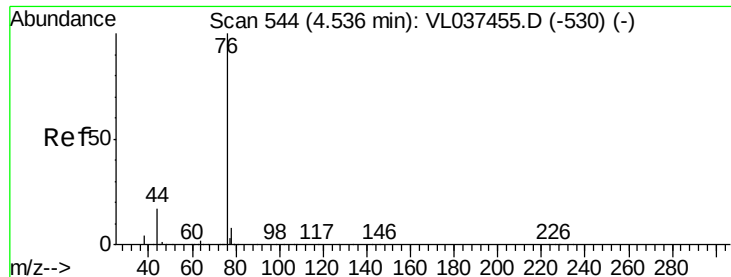
Tgt Ion: 57 Resp: 1670284

Ion	Ratio	Lower	Upper
57	100		
41	91.6	72.3	108.5
43	212.8	172.3	258.5
56	54.4	42.8	64.2



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: 10.608 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

ClientSampled :

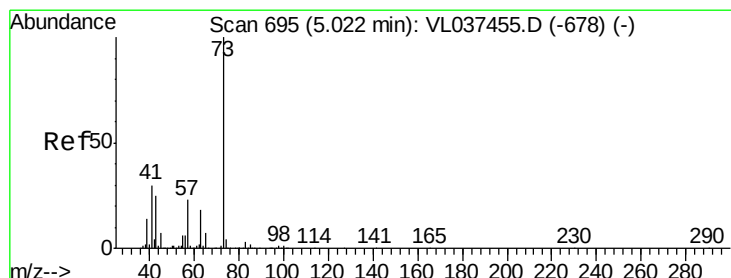
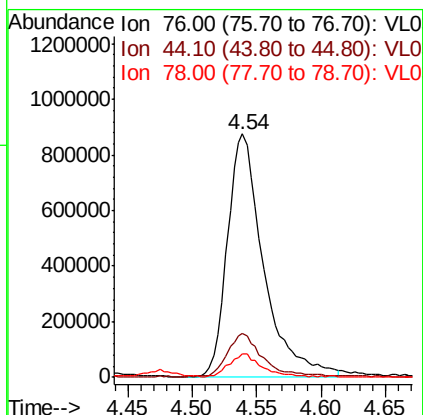
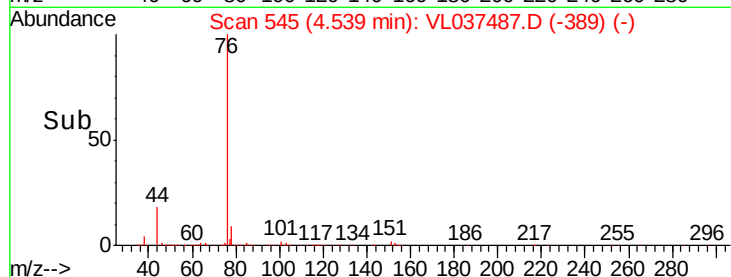
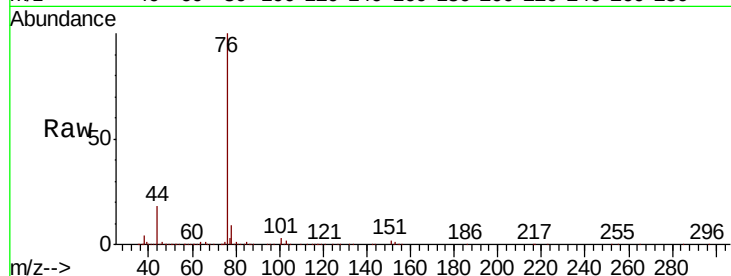
Tot Ion: 76 Resp: 1704220

Ion Ratio Lower Upper

76 100

44 18.4 13.9 20.9

78 8.7 7.9 11.9



#28

Methyl tert-Butyl Ether

Concen: 8.516 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL037487.D

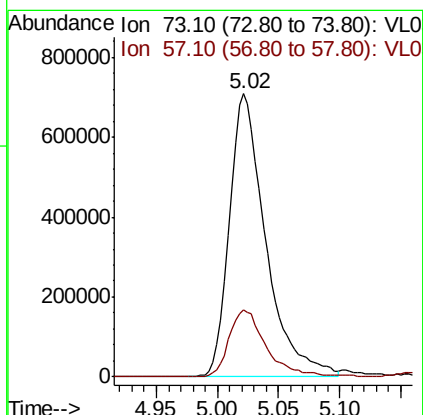
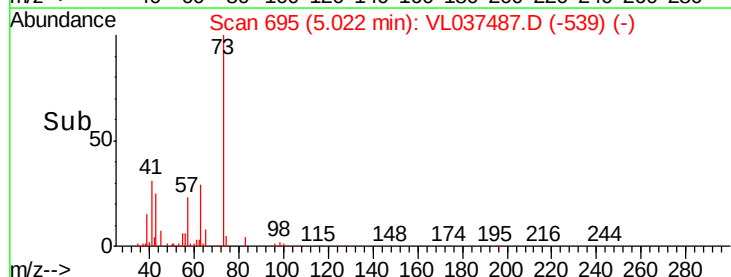
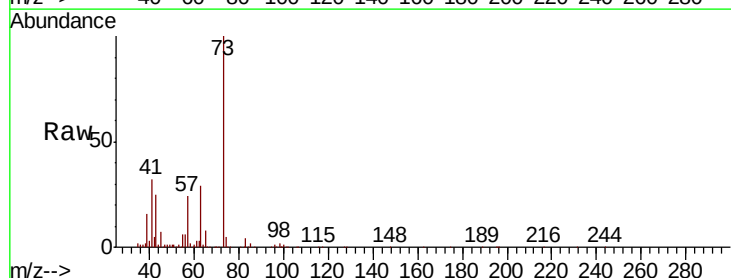
Acq: 18 Aug 2021 11:44

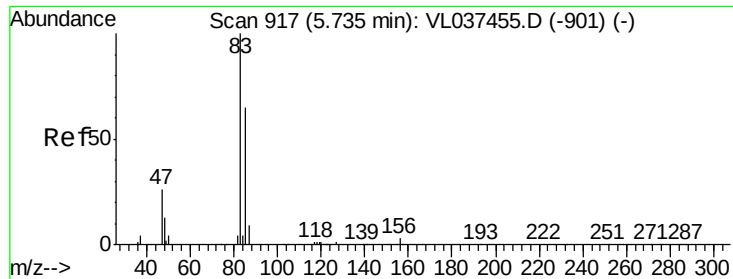
Tgt Ion: 73 Resp: 1474330

Ion Ratio Lower Upper

73 100

57 24.3 19.4 29.2

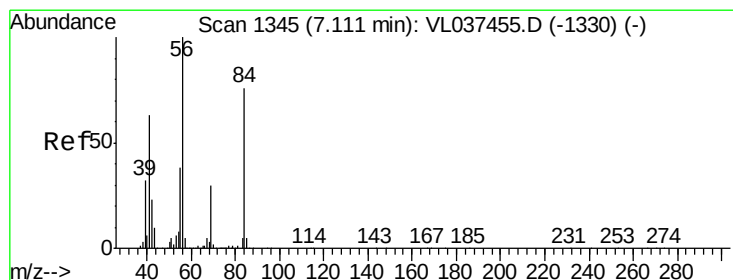
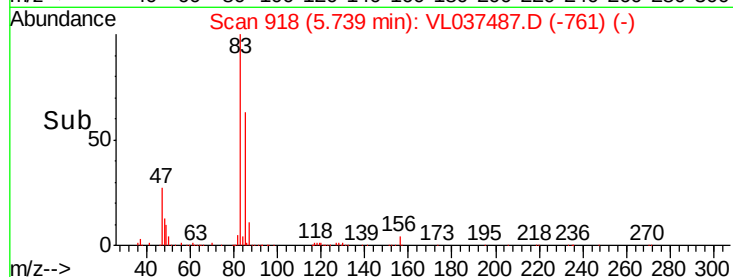
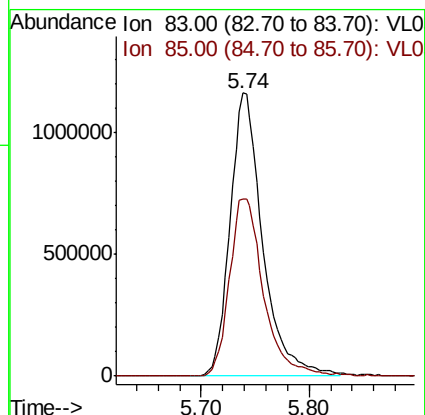
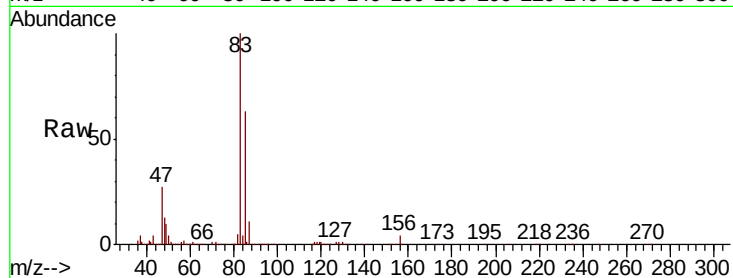




#29
Chloroform
Concen: 9.593 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

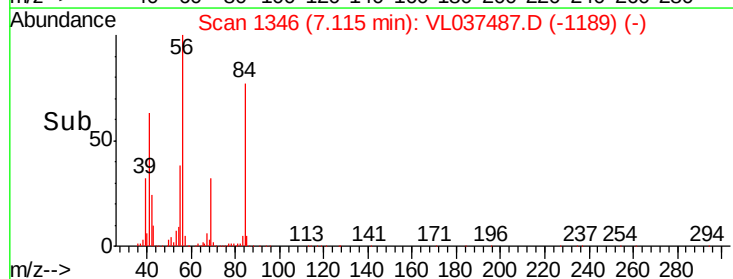
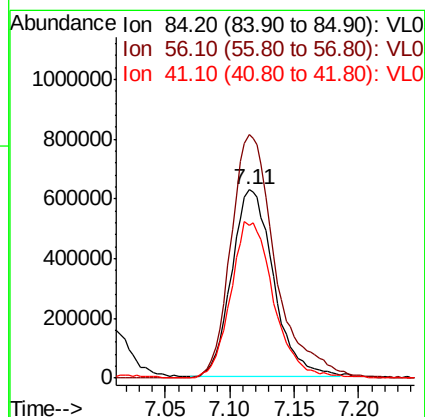
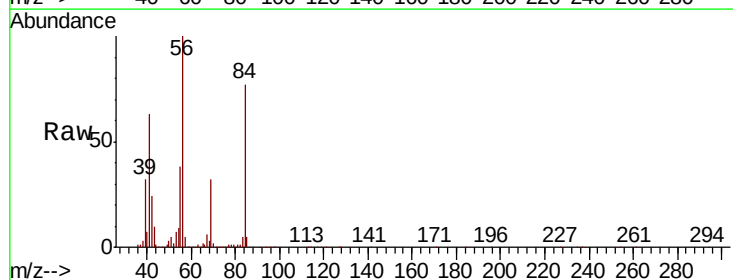
Instrument :
MSVOA_L
ClientSampleId :

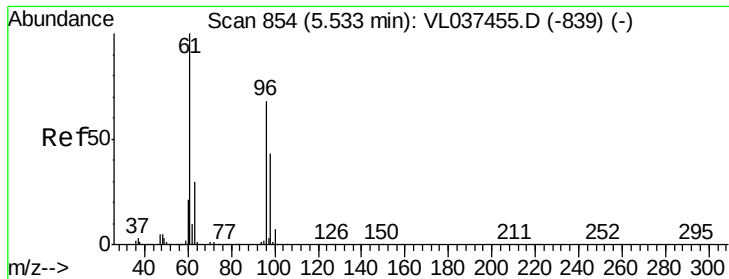
Tot Ion: 83 Resp: 2450602
Ion Ratio Lower Upper
83 100
85 62.4 52.3 78.5



#30
Cyclohexane
Concen: 9.475 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion: 84 Resp: 1423112
Ion Ratio Lower Upper
84 100
56 138.4 110.6 165.8
41 84.9 67.0 100.6



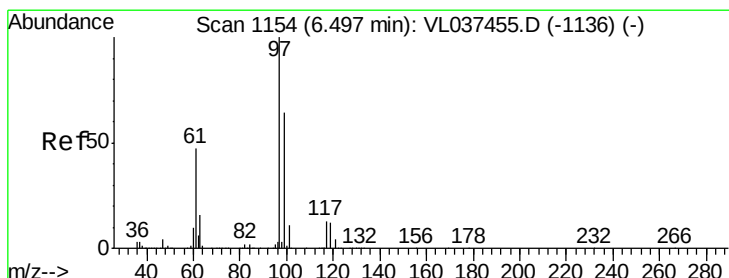
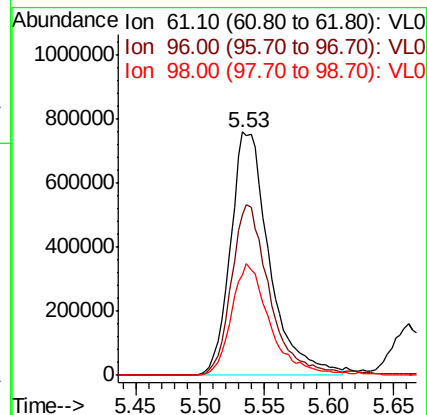
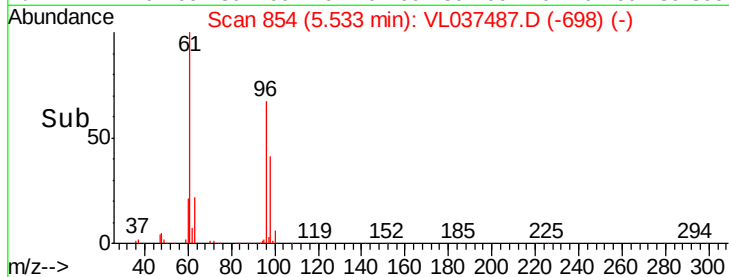
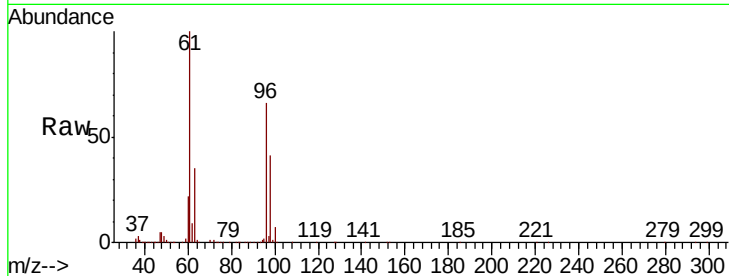


#31

cis-1,2-Dichloroethene
Concen: 9.748 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Instrument :
MSVOA_L
ClientSampleId :

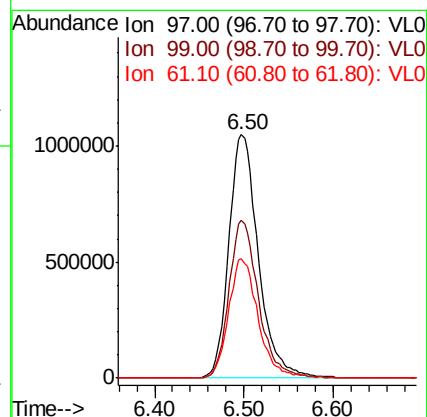
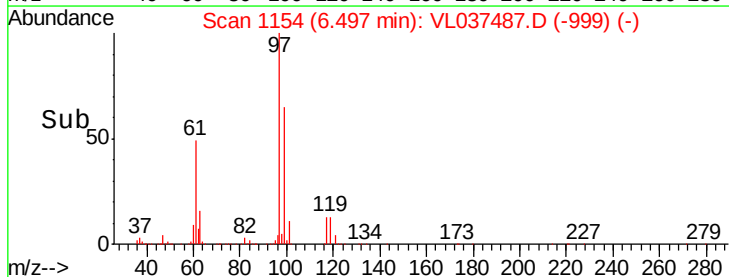
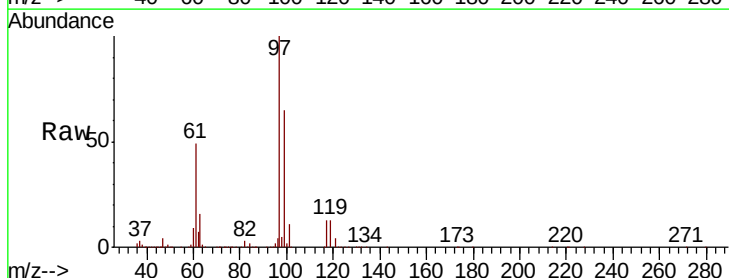
Tot Ion: 61 Resp: 1590354
Ion Ratio Lower Upper
61 100
96 65.8 54.8 82.2
98 40.9 34.2 51.2

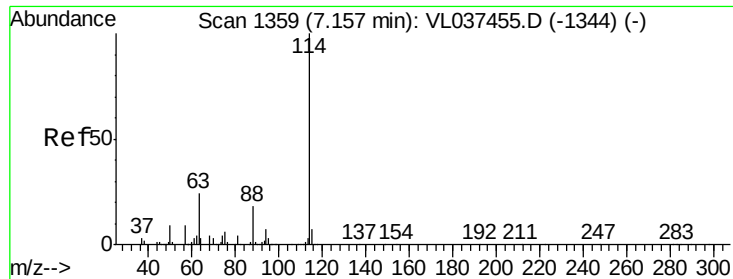


#32

1,1,1-Trichloroethane
Concen: 9.595 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion: 97 Resp: 2408316
Ion Ratio Lower Upper
97 100
99 64.9 51.8 77.6
61 49.3 39.6 59.4

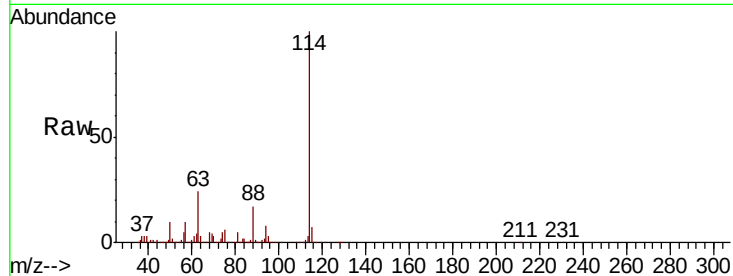




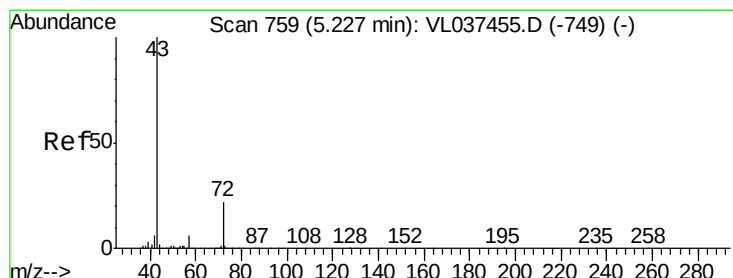
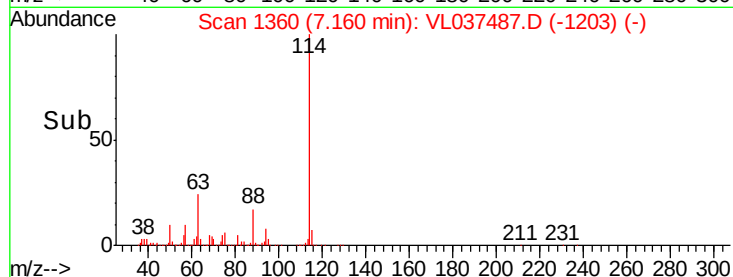
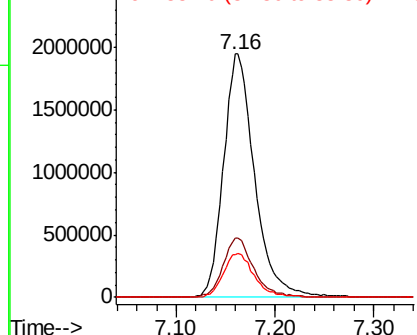
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4291633
 Ion Ratio Lower Upper
 114 100
 63 24.4 19.3 28.9
 88 18.1 14.2 21.4

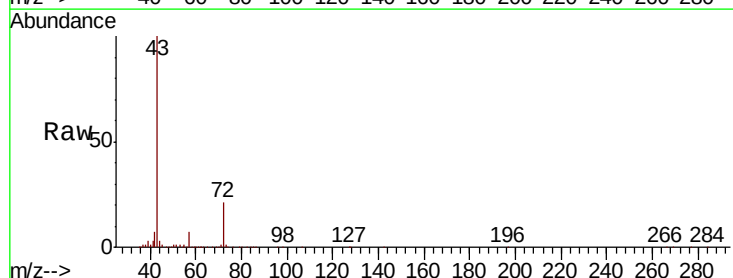


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

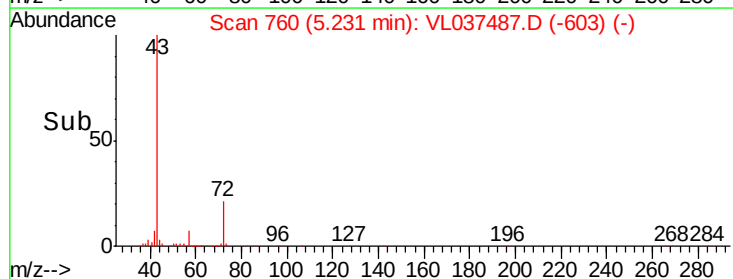
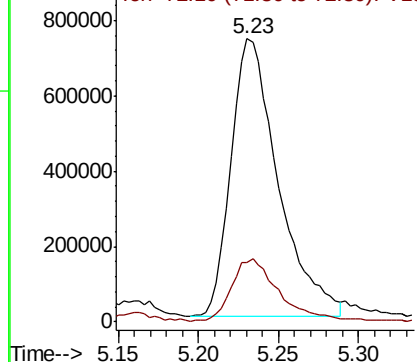


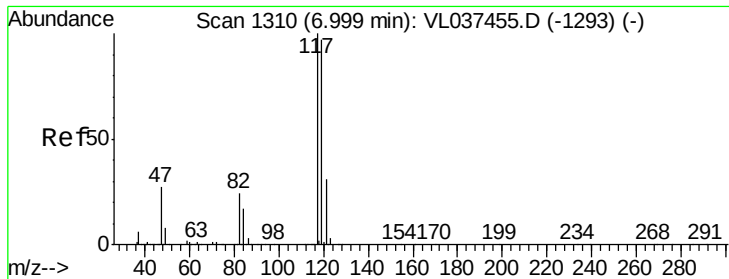
#34
 2-Butanone
 Concen: 8.489 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Tgt Ion: 43 Resp: 1487642
 Ion Ratio Lower Upper
 43 100
 72 23.8 17.4 26.0



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





#35

Carbon Tetrachloride

Concen: 9.819 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. 0.01 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

ClientSampled :

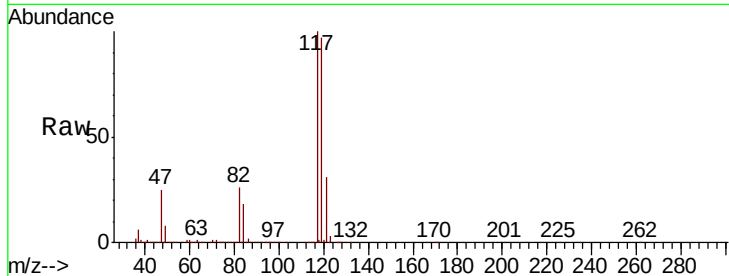
Tot Ion:117 Resp: 2490347

Ion Ratio Lower Upper

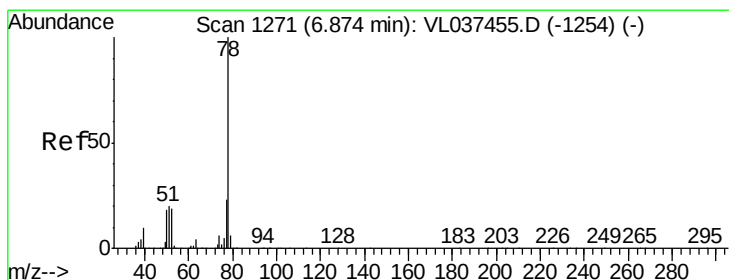
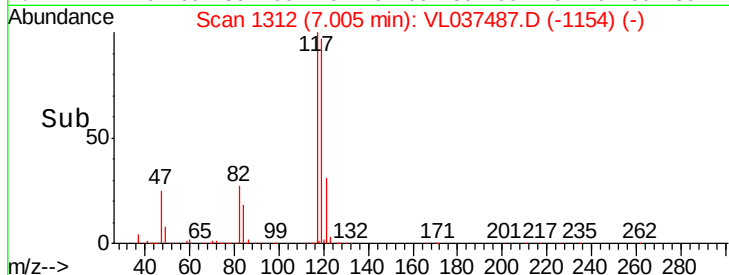
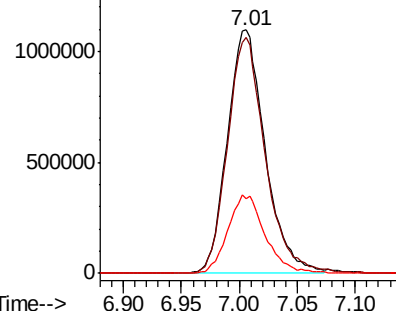
117 100

119 97.0 77.3 115.9

121 30.8 25.2 37.8



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: 9.777 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

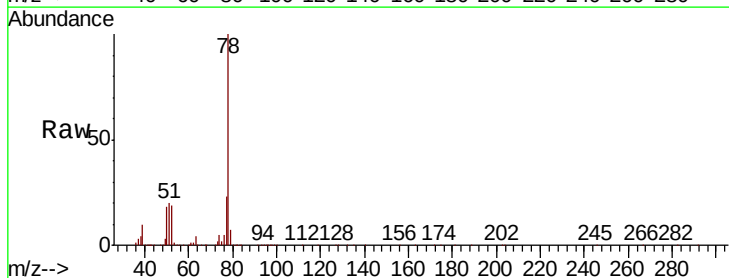
Tgt Ion: 78 Resp: 3527349

Ion Ratio Lower Upper

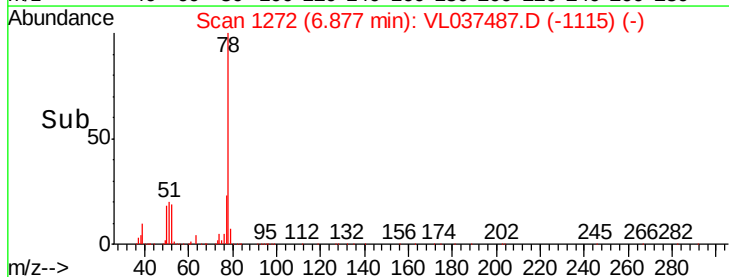
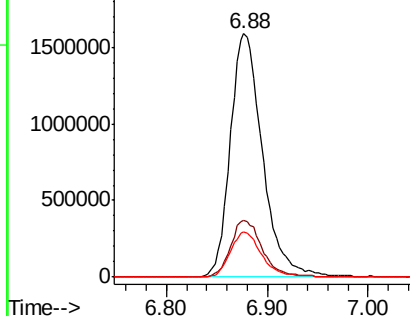
78 100

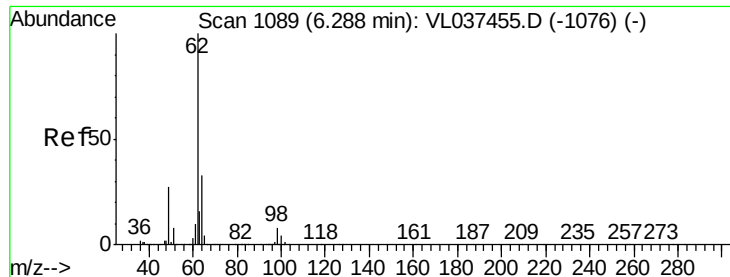
77 23.3 18.2 27.4

50 18.3 14.6 21.8



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

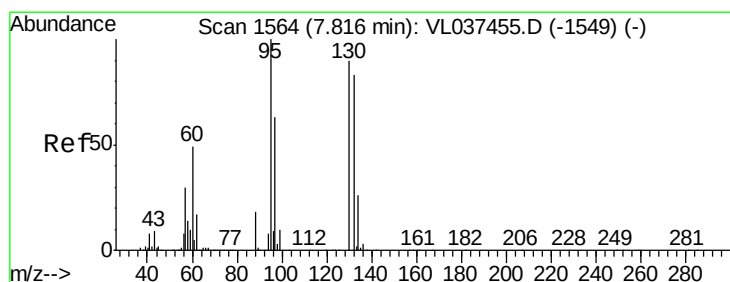
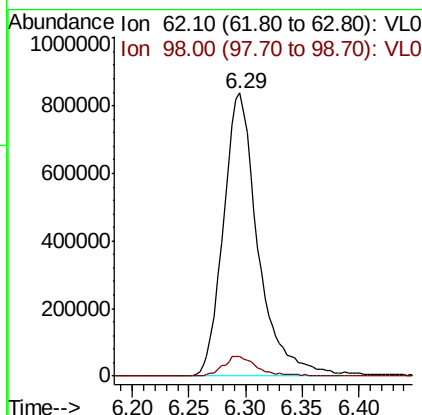
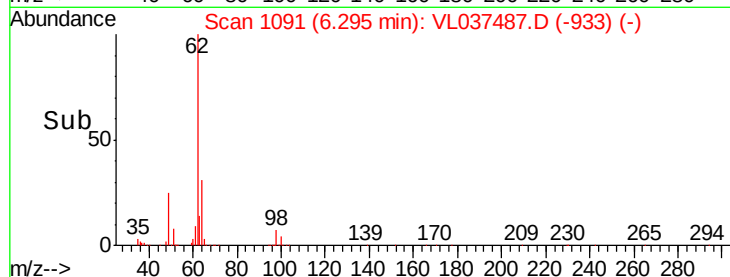
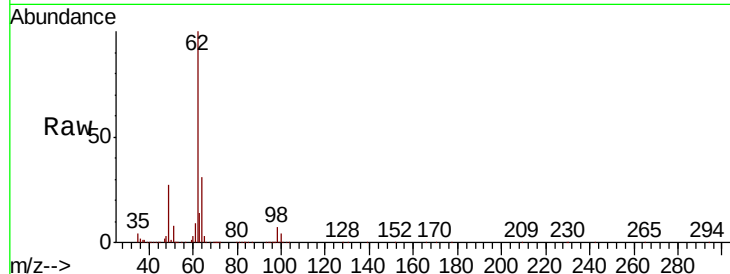




#37
 1,2-Dichloroethane
 Concen: 9.977 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

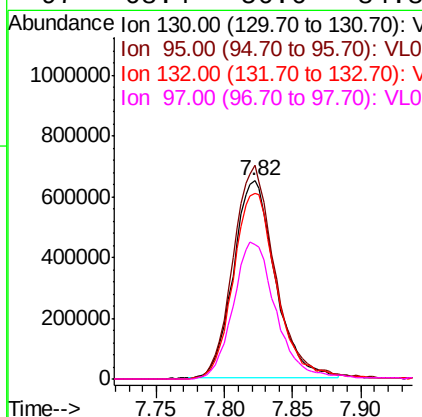
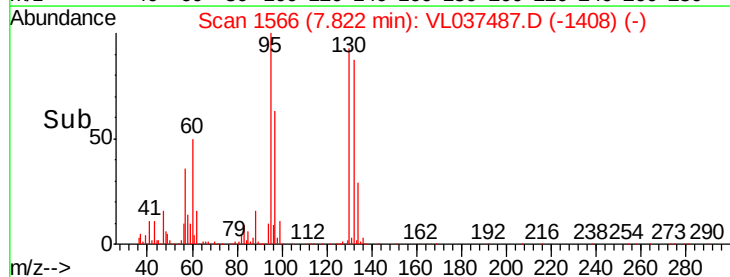
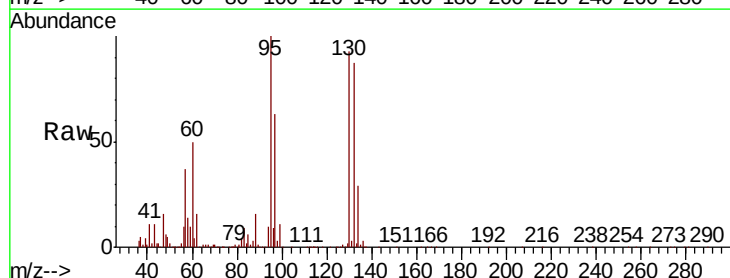
Instrument :
 MSVOA_L
 ClientSampled :

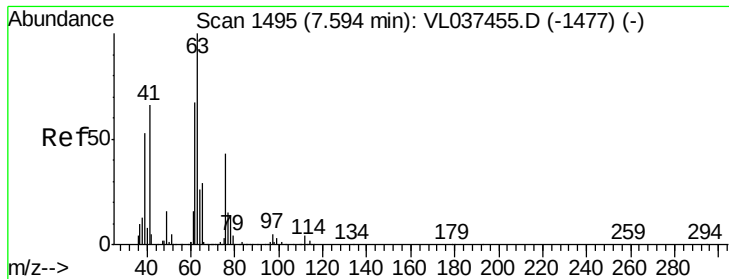
Tot Ion: 62 Resp: 1782939
 Ion Ratio Lower Upper
 62 100
 98 7.0 6.0 9.0



#38
 Trichloroethene
 Concen: 9.362 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Tgt Ion: 130 Resp: 1385830
 Ion Ratio Lower Upper
 130 100
 95 108.3 89.2 133.8
 132 94.0 74.0 111.0
 97 68.4 56.6 84.8

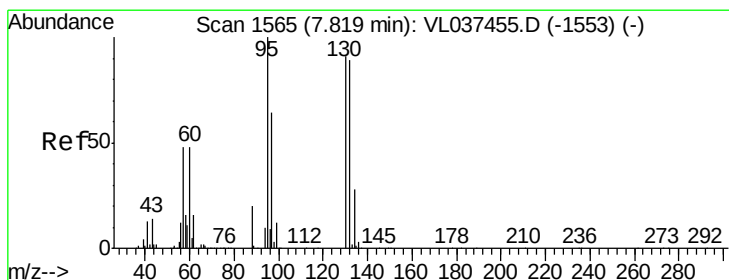
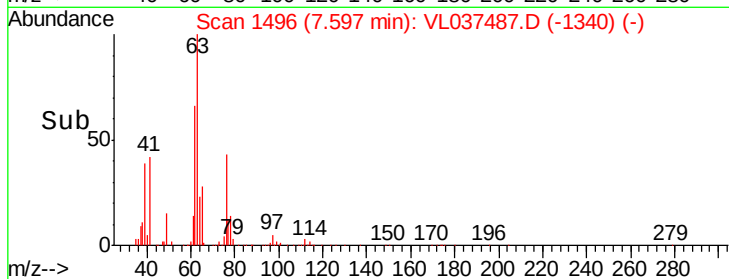
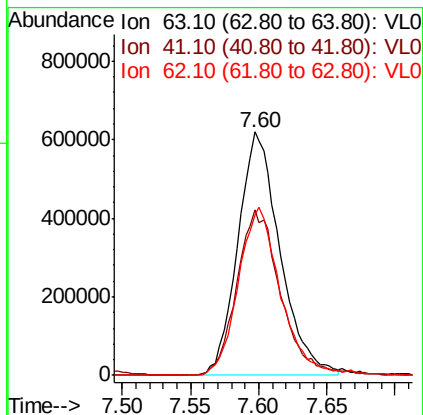
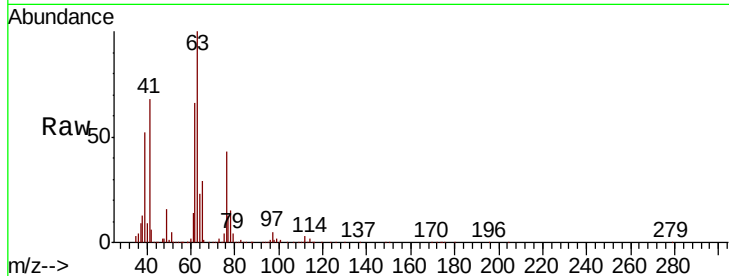




#39
 1,2-Dichloropropane
 Concen: 9.559 ppbv
 RT: 7.60 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

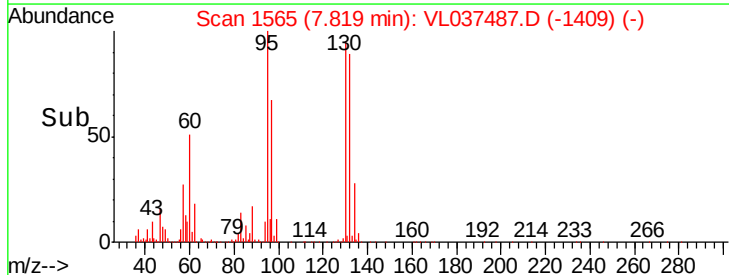
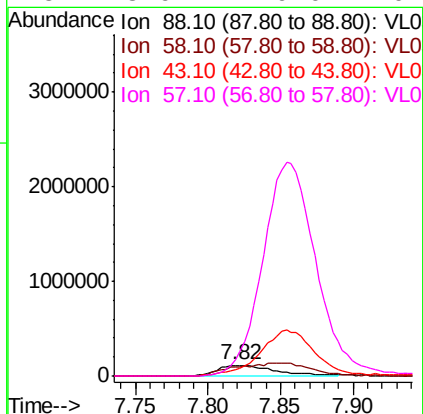
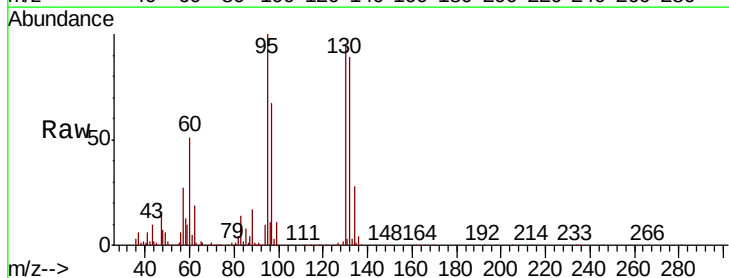
Instrument :
 MSVOA_L
 ClientSampled :

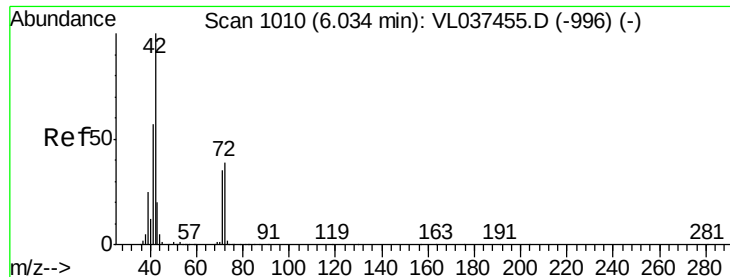
Tot Ion: 63 Resp: 1325172
 Ion Ratio Lower Upper
 63 100
 41 67.5 52.4 78.6
 62 65.6 53.6 80.4



#40
 1,4-Dioxane
 Concen: 9.130 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Tgt Ion: 88 Resp: 310089
 Ion Ratio Lower Upper
 88 100
 58 165.0 0.0 0.0#
 43 417.1 0.0 0.0#
 57 1879.1 0.0 0.0#

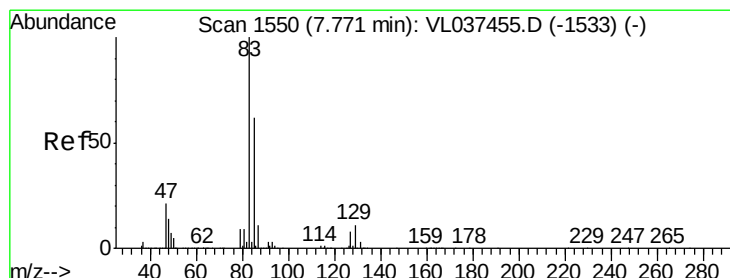
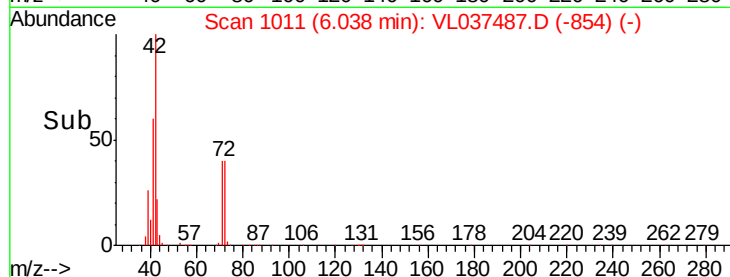
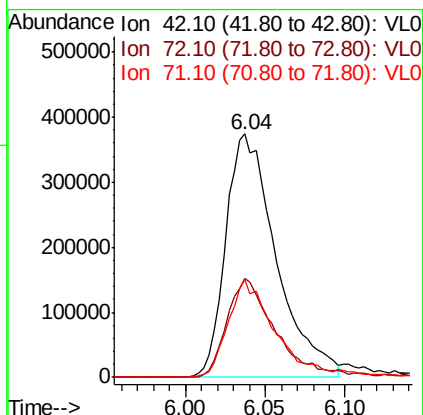
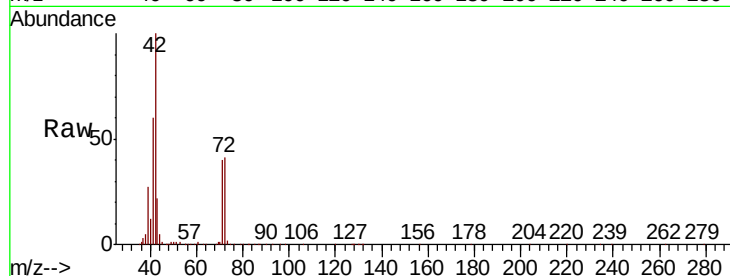




#41
Tetrahydrofuran
Concen: 9.537 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

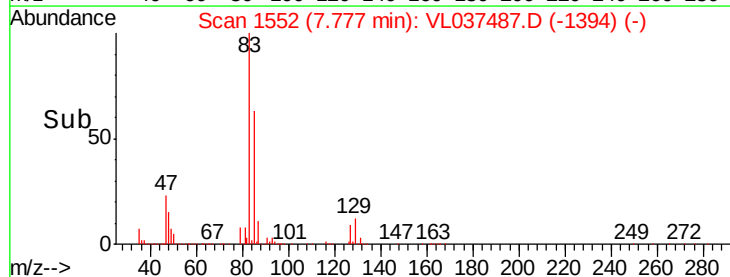
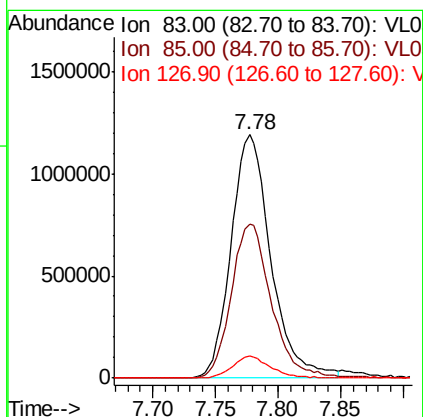
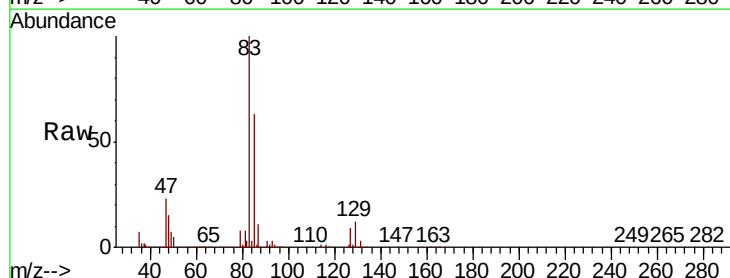
Instrument :
MSVOA_L
ClientSampled :

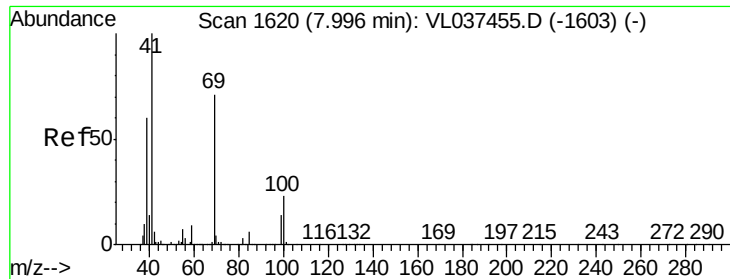
Tot Ion: 42 Resp: 805114
Ion Ratio Lower Upper
42 100
72 40.2 32.2 48.4
71 38.7 30.5 45.7



#42
Bromodichloromethane
Concen: 10.030 ppbv
RT: 7.78 min Scan# 1552
Delta R.T. 0.01 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion: 83 Resp: 2620848
Ion Ratio Lower Upper
83 100
85 63.3 49.5 74.3
127 8.9 6.3 9.5





#43

Methyl Methacrylate

Concen: 10.150 ppbv

RT: 8.00 min Scan# 1622

Delta R.T. 0.01 min

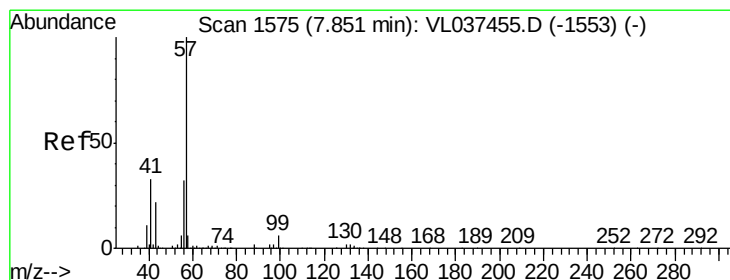
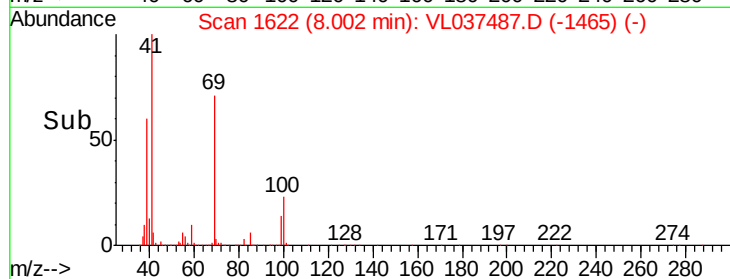
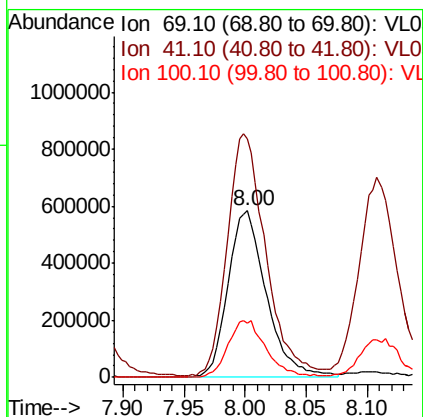
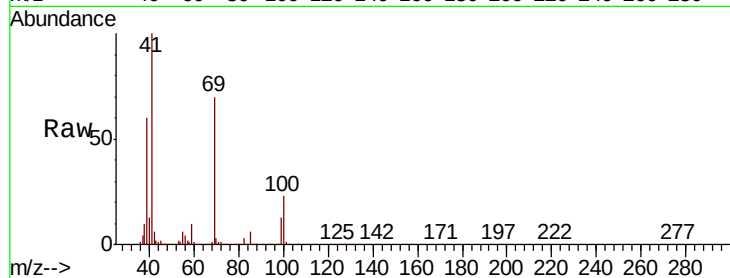
Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 69 Resp: 1276335

Ion	Ratio	Lower	Upper
69	100		
41	148.4	118.6	178.0
100	34.2	27.4	41.0



#44

2,2,4-Trimethylpentane

Concen: 9.579 ppbv

RT: 7.85 min Scan# 1576

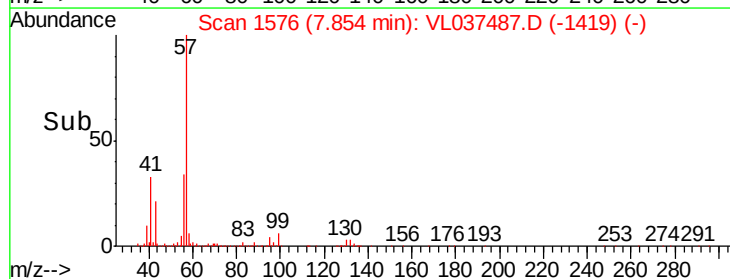
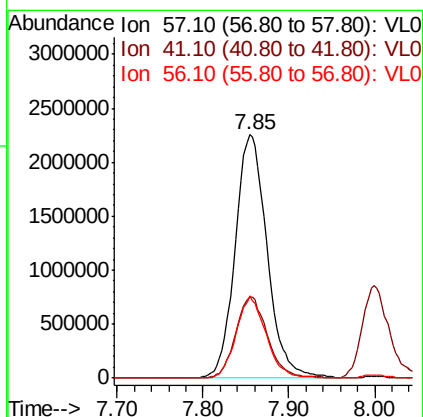
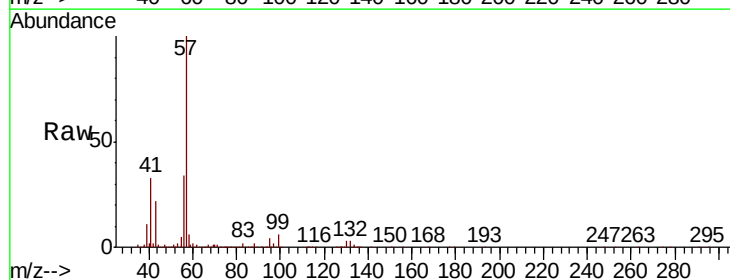
Delta R.T. 0.00 min

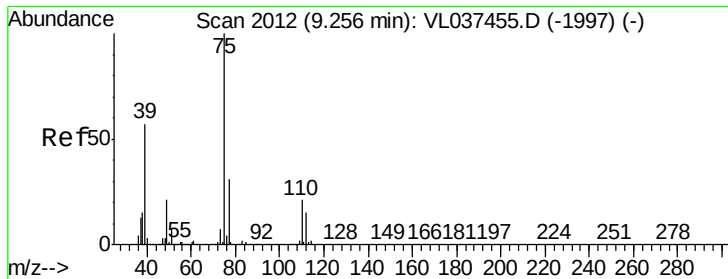
Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Tgt Ion: 57 Resp: 5816125

Ion	Ratio	Lower	Upper
57	100		
41	33.3	26.2	39.4
56	31.5	25.4	38.2

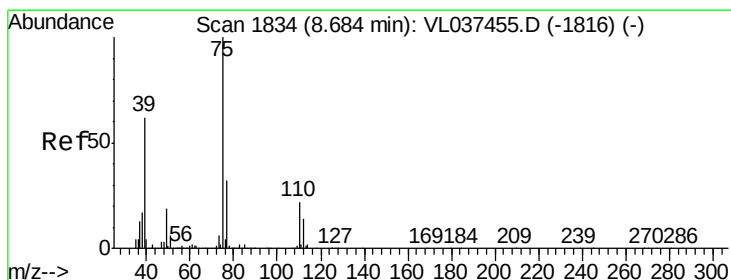
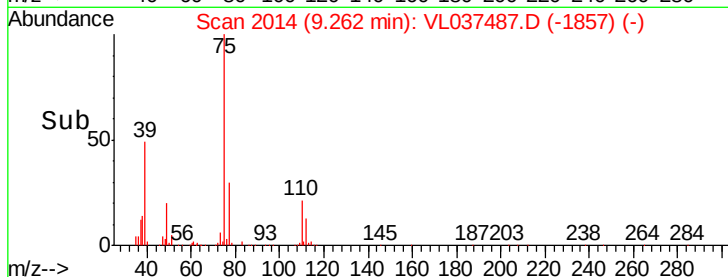
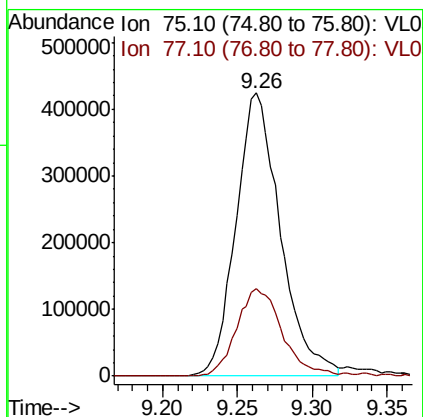
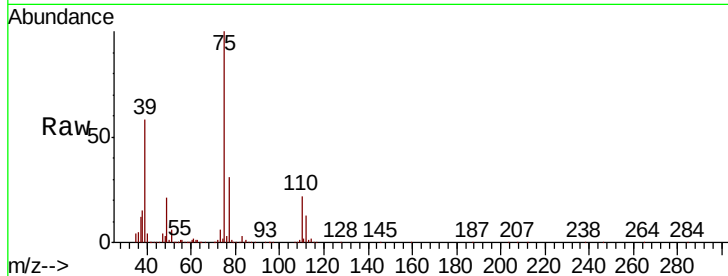




#45
t-1,3-Dichloropropene
Concen: 9.191 ppbv
RT: 9.26 min Scan# 2014
Delta R.T. 0.01 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

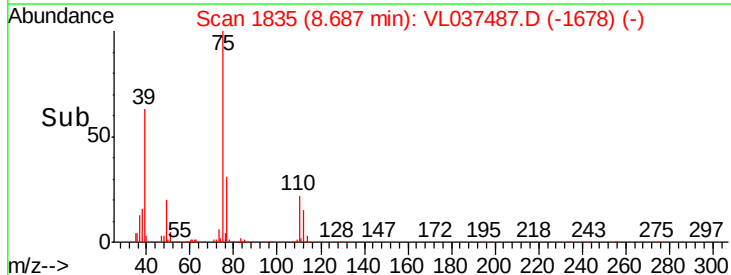
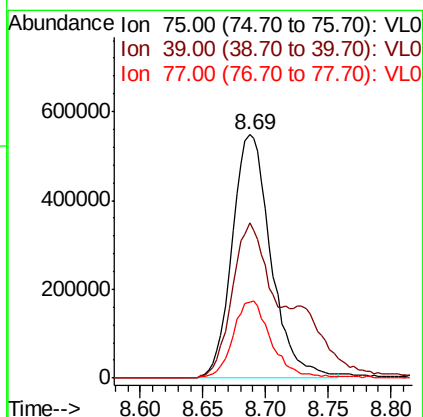
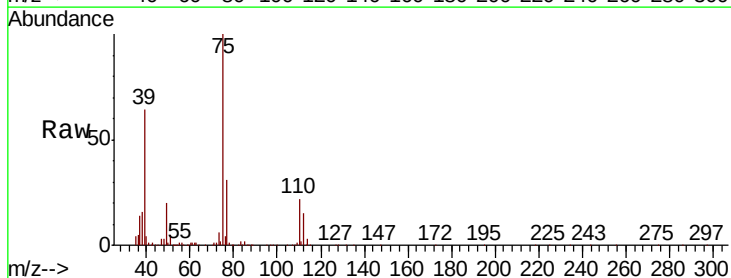
Instrument :
MSVOA_L
ClientSampleId :

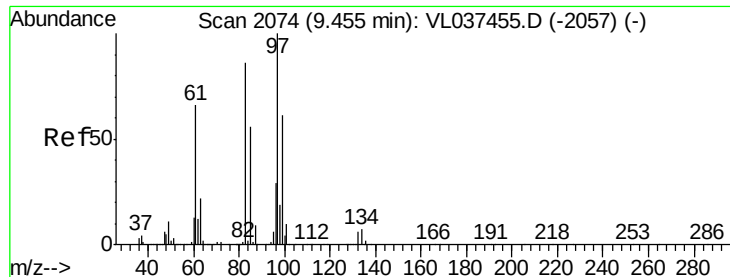
Tot Ion: 75 Resp: 869977
Ion Ratio Lower Upper
75 100
77 30.9 24.5 36.7



#46
cis-1,3-Dichloropropene
Concen: 8.955 ppbv
RT: 8.69 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion: 75 Resp: 1182512
Ion Ratio Lower Upper
75 100
39 63.5 49.7 74.5
77 31.4 25.4 38.0



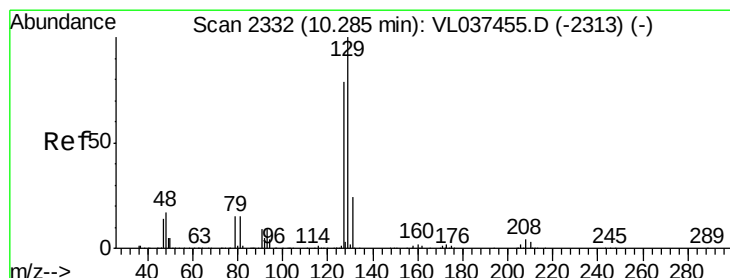
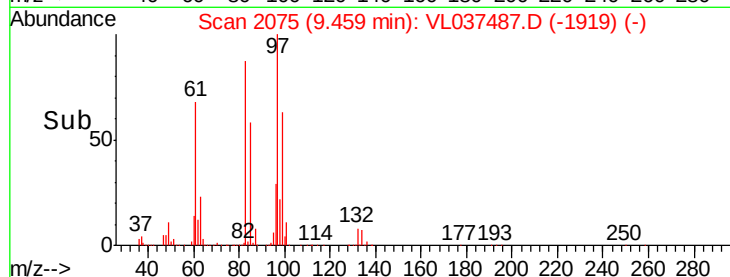
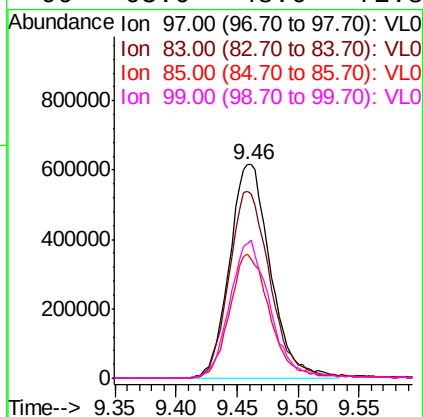
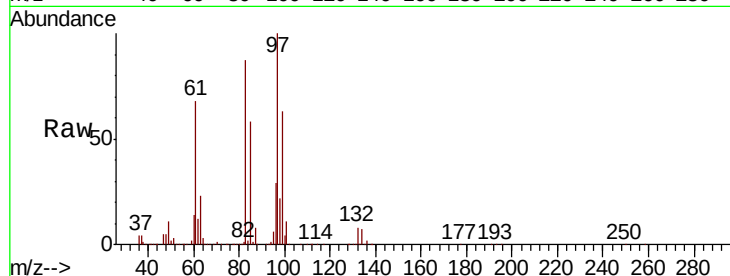


#47
 1,1,2-Trichloroethane
 Concen: 9.538 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1428680

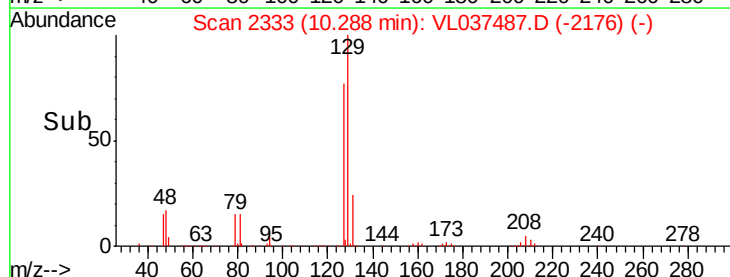
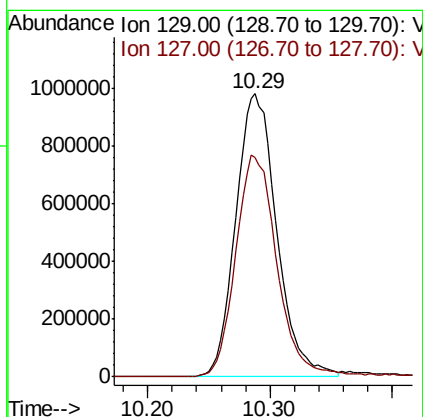
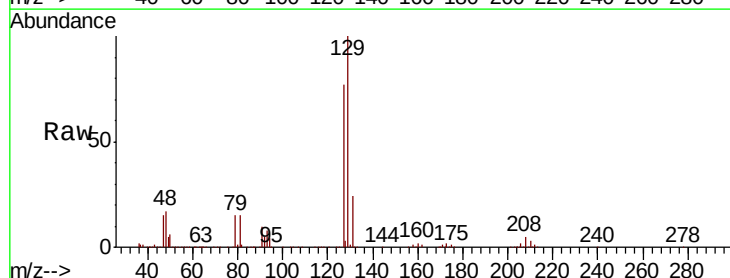
Ion	Ratio	Lower	Upper
97	100		
83	87.2	68.7	103.1
85	58.0	44.7	67.1
99	63.0	48.6	72.8

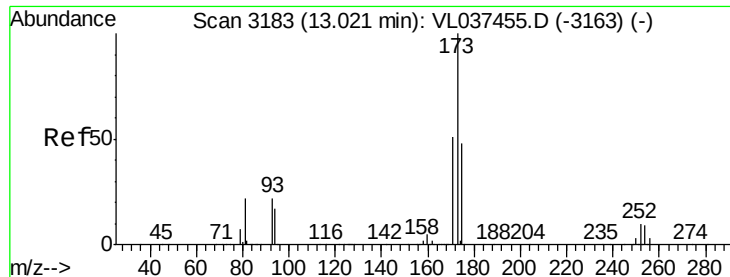


#48
 Dibromochloromethane
 Concen: 10.596 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Tgt Ion: 129 Resp: 2284193

Ion	Ratio	Lower	Upper
129	100		
127	79.9	40.0	120.0





#49

Bromoform

Concen: 10.930 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

ClientSampleId :

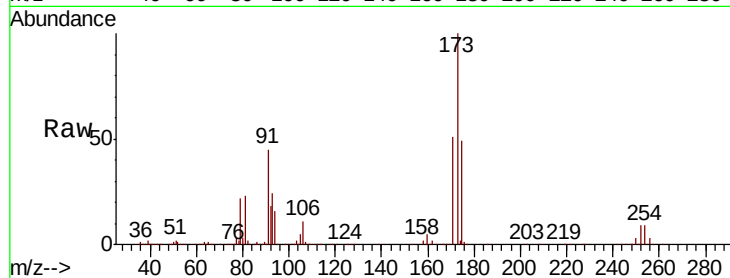
Tot Ion:173 Resp: 1857225

Ion Ratio Lower Upper

173 100

175 52.3 41.9 62.9

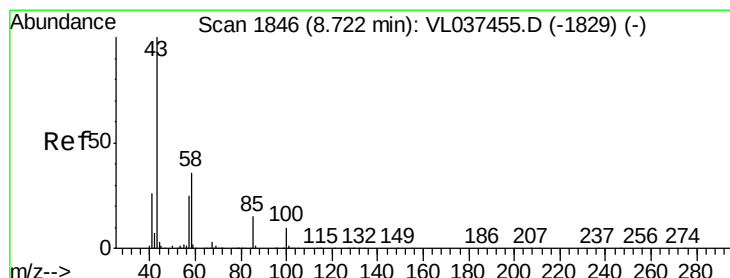
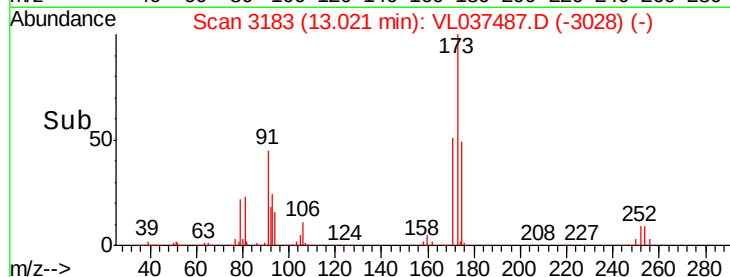
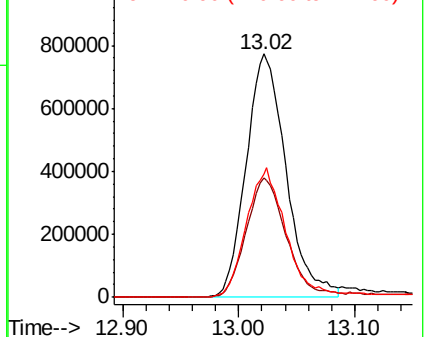
171 53.7 44.2 66.4



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: 10.039 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VL037487.D

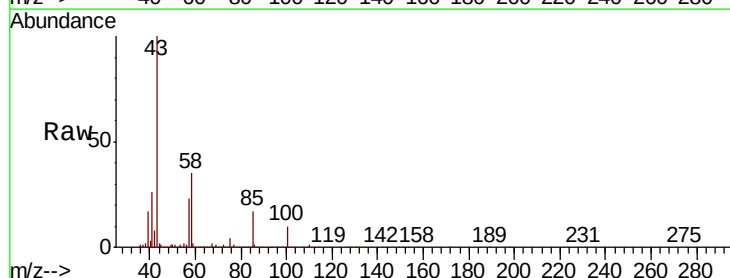
Acq: 18 Aug 2021 11:44

Tgt Ion: 43 Resp: 2295311

Ion Ratio Lower Upper

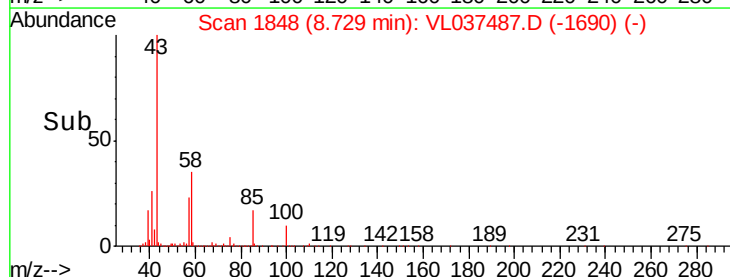
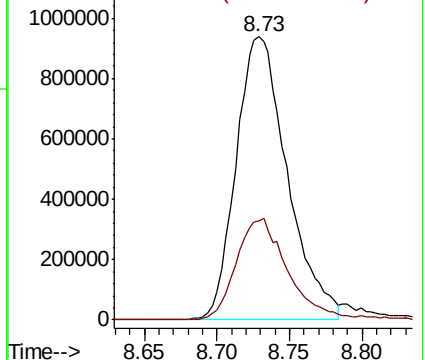
43 100

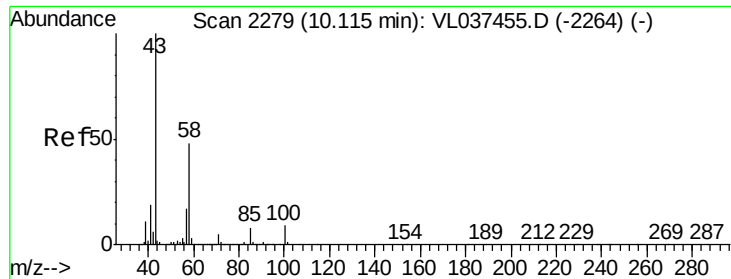
58 36.9 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

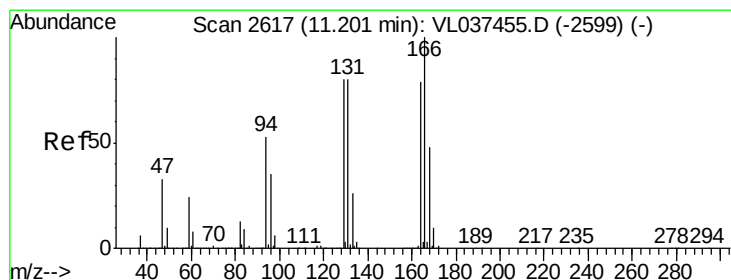
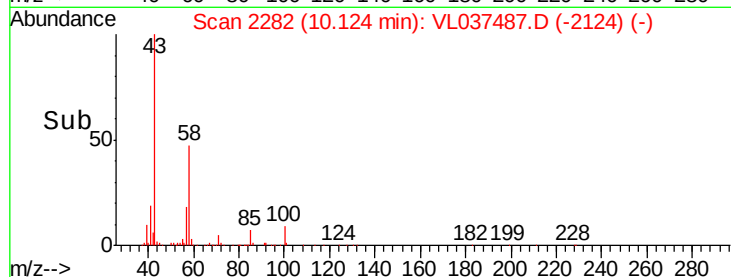
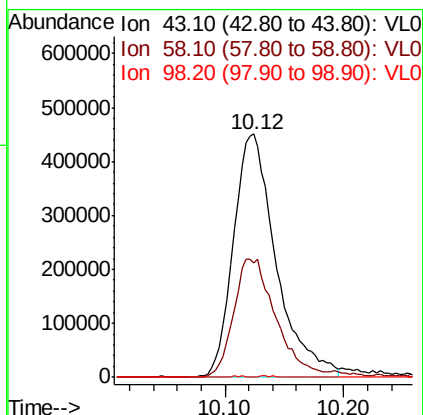
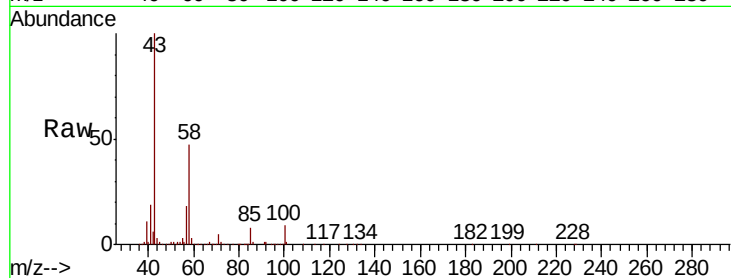




#51
2-Hexanone
Concen: 10.633 ppbv
RT: 10.12 min Scan# 2282
Delta R.T. 0.01 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

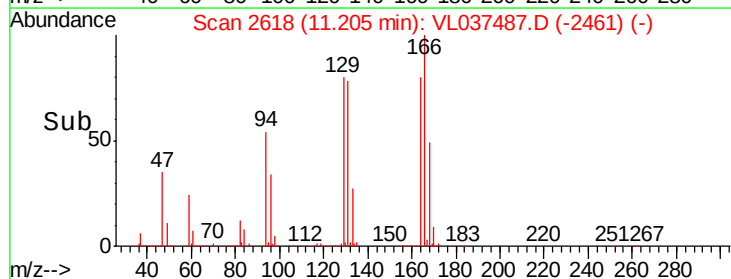
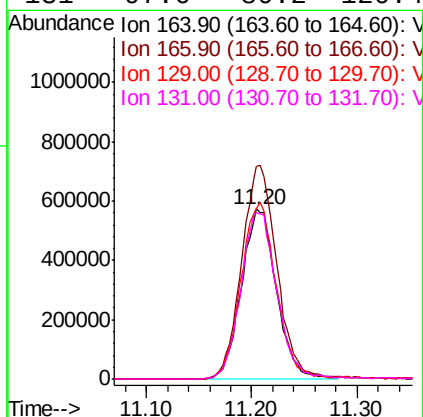
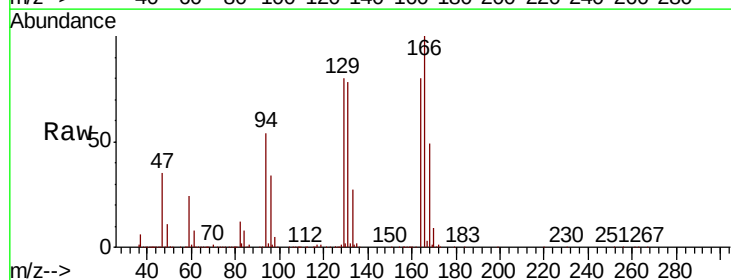
Instrument :
MSVOA_L
ClientSampleId :

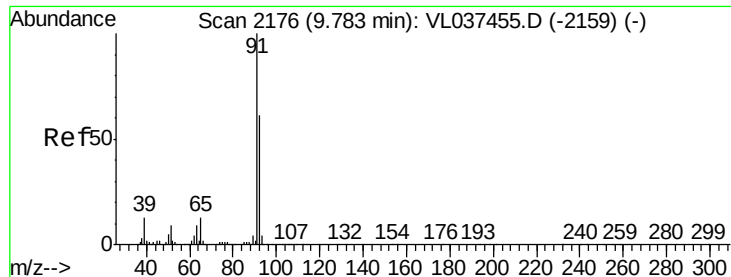
Tot Ion: 43 Resp: 1118186
Ion Ratio Lower Upper
43 100
58 50.4 41.0 61.6
98 0.7 0.3 0.5#



#52
Tetrachloroethene
Concen: 8.926 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion:164 Resp: 1319630
Ion Ratio Lower Upper
164 100
166 125.0 100.7 151.1
129 99.8 80.9 121.3
131 97.6 80.2 120.4





#53

Toluene

Concen: 9.989 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

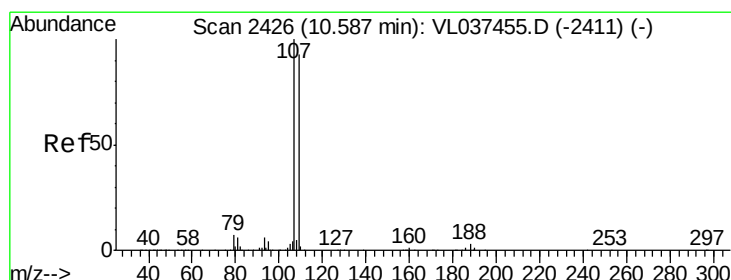
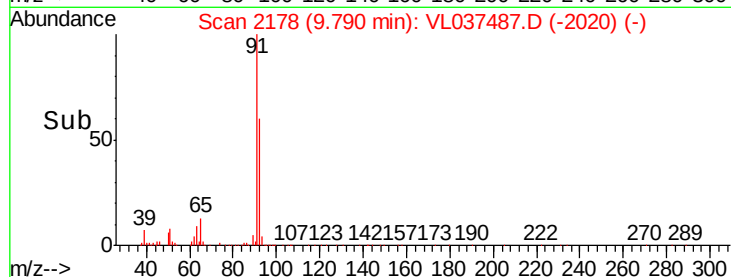
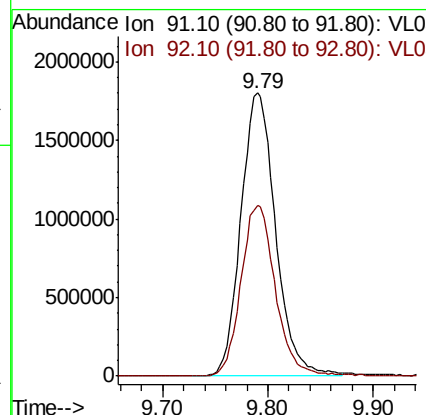
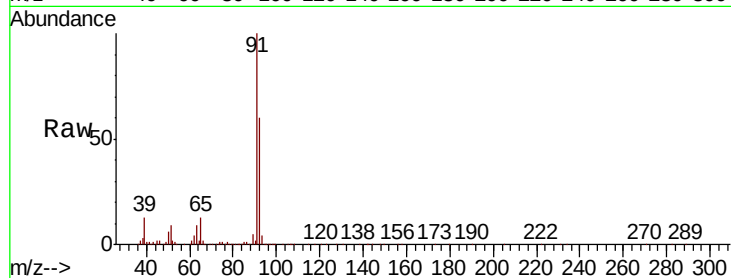
ClientSampleId :

Tot Ion: 91 Resp: 4114862

Ion Ratio Lower Upper

91 100

92 60.7 48.8 73.2



#54

1,2-Dibromoethane

Concen: 9.520 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.01 min

Lab File: VL037487.D

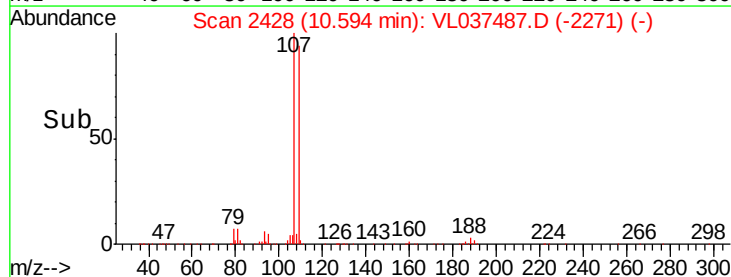
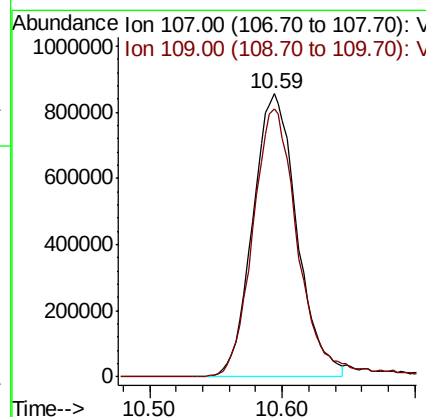
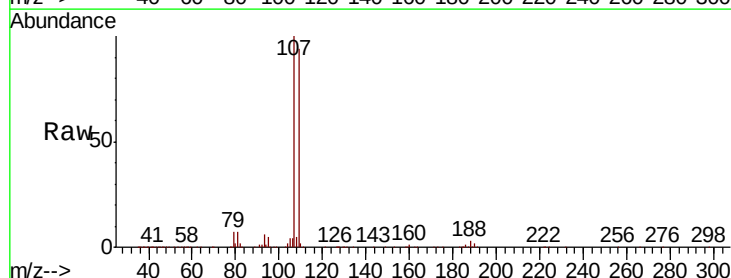
Acq: 18 Aug 2021 11:44

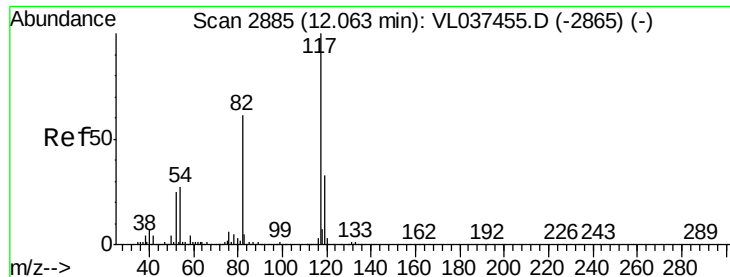
Tgt Ion: 107 Resp: 1990703

Ion Ratio Lower Upper

107 100

109 94.5 74.2 111.4

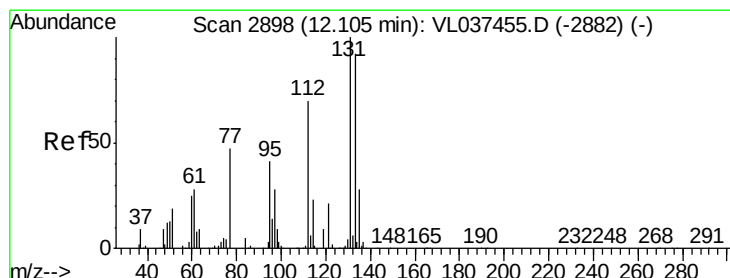
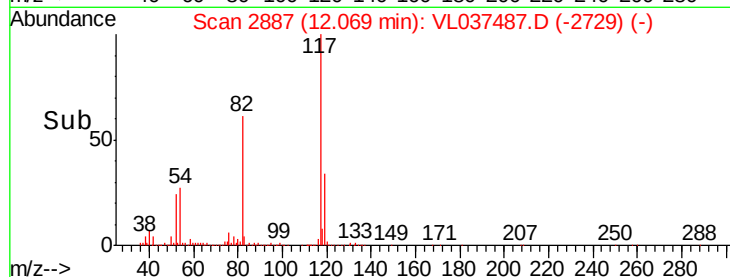
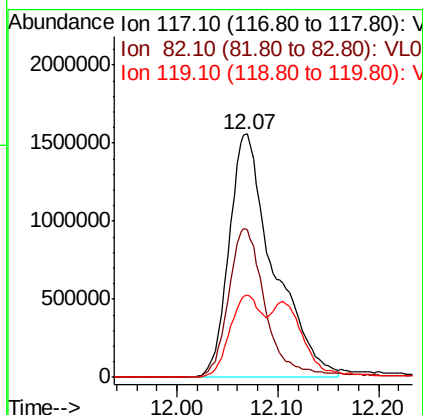
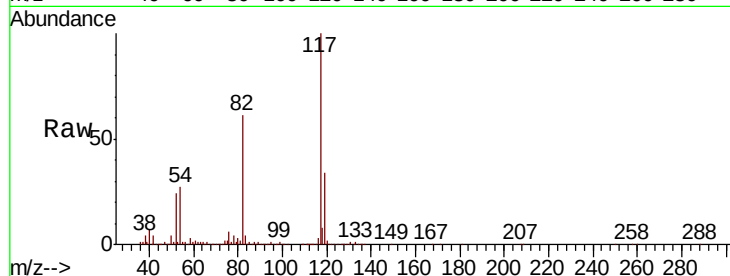




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

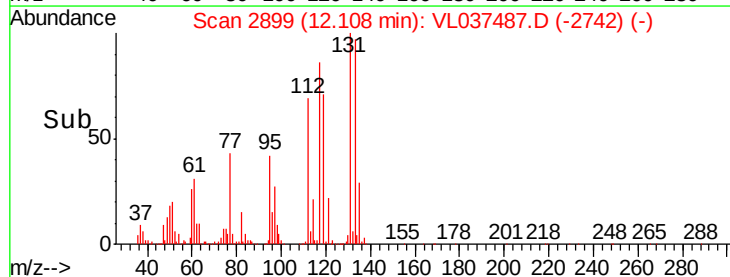
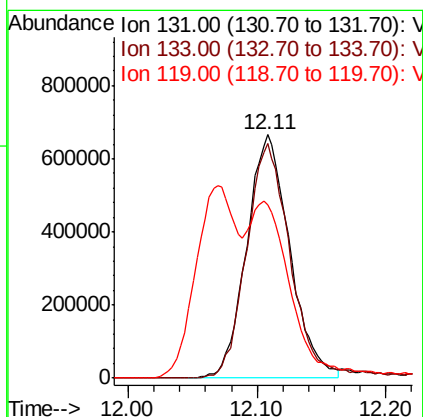
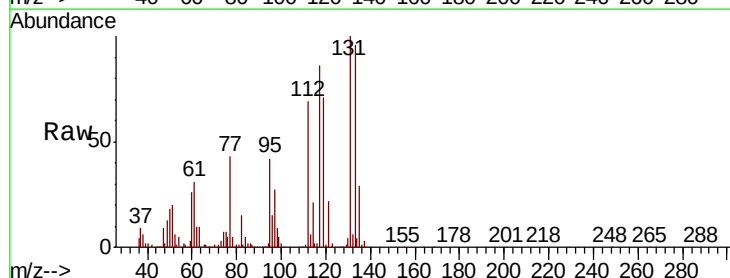
Instrument :
MSVOA_L
ClientSampleId :

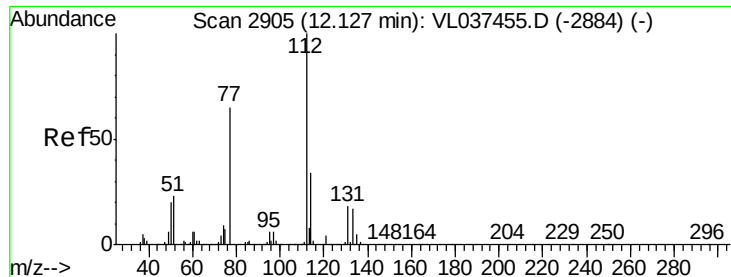
Tot Ion:117 Resp: 4786391
Ion Ratio Lower Upper
117 100
82 52.7 52.9 79.3#
119 24.8 24.8 37.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.768 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion:131 Resp: 1549246
Ion Ratio Lower Upper
131 100
133 102.2 78.7 118.1
119 68.7 56.6 85.0





#57

Chlorobenzene

Concen: 7.350 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

ClientSampleId :

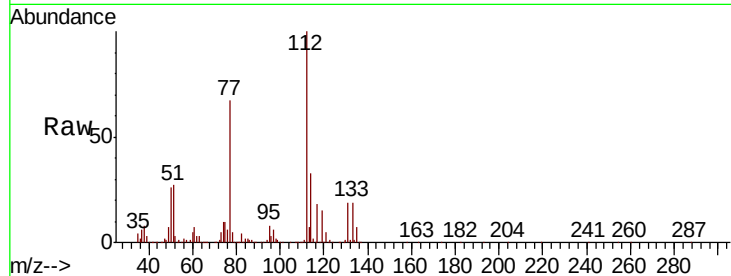
Tot Ion:112 Resp: 2919629

Ion Ratio Lower Upper

112 100

77 65.9 51.6 77.4

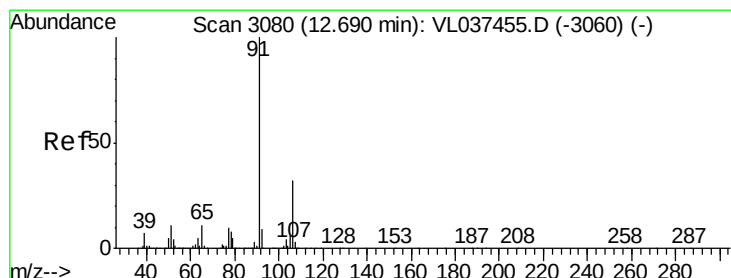
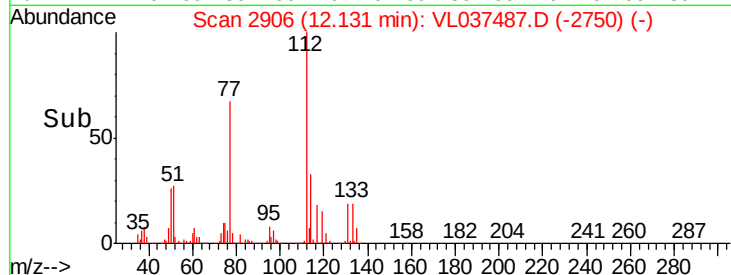
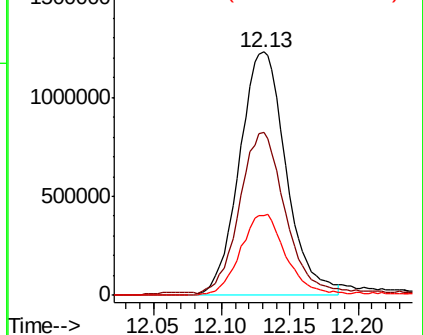
114 32.8 30.7 37.5



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: 7.811 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VL037487.D

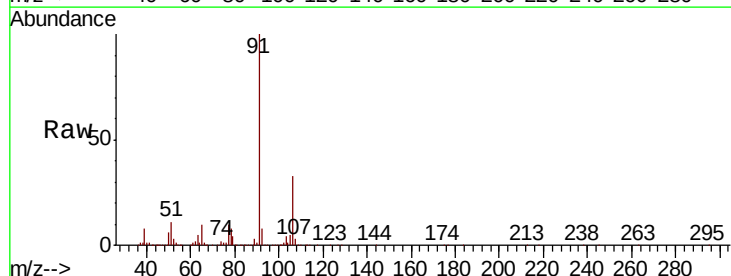
Acq: 18 Aug 2021 11:44

Tgt Ion: 91 Resp: 5188221

Ion Ratio Lower Upper

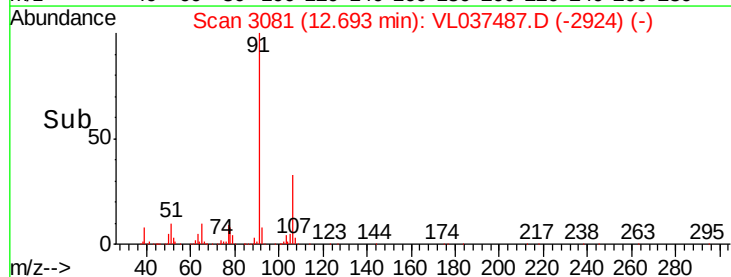
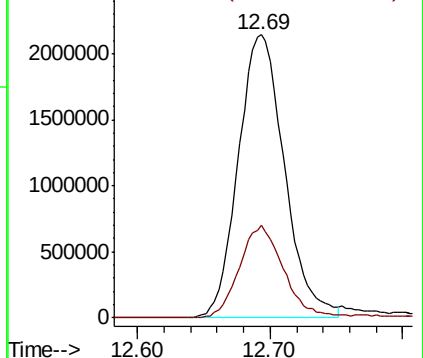
91 100

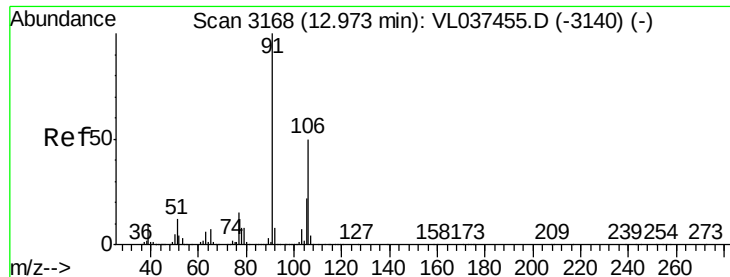
106 32.7 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

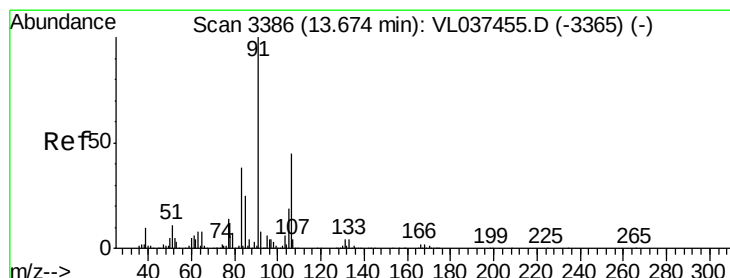
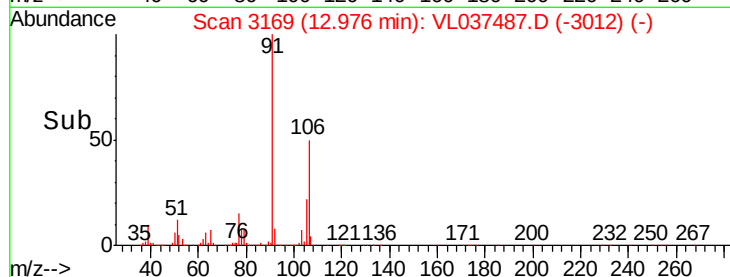
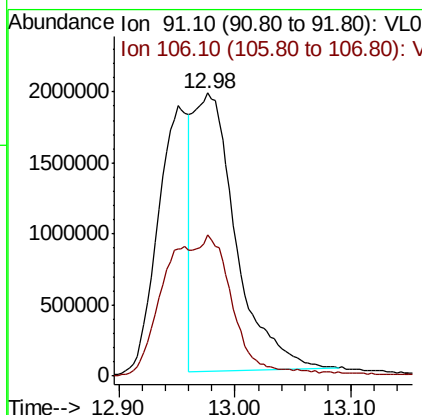
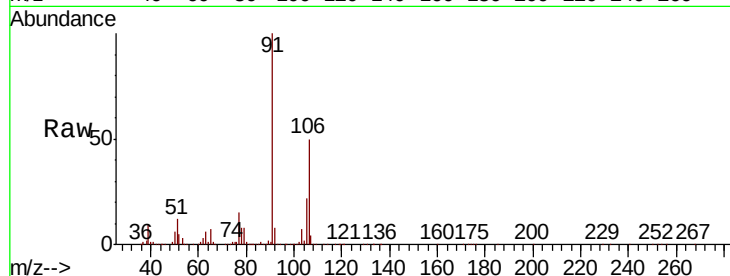




#59
m/p-Xylene
Concen: 8.678 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

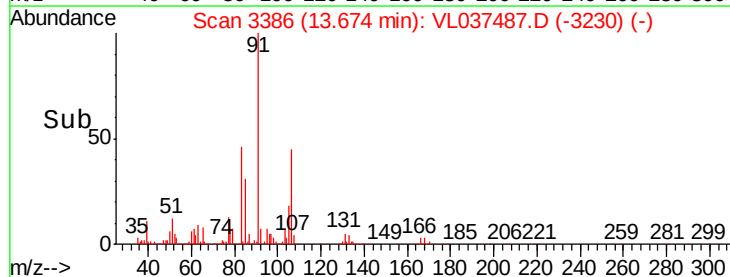
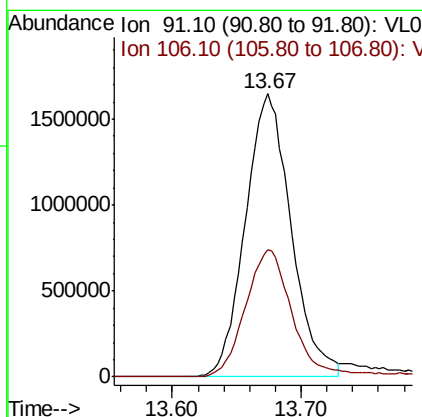
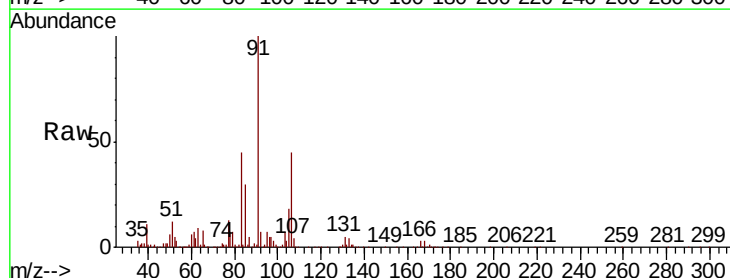
Instrument :
MSVOA_L
ClientSampleId :

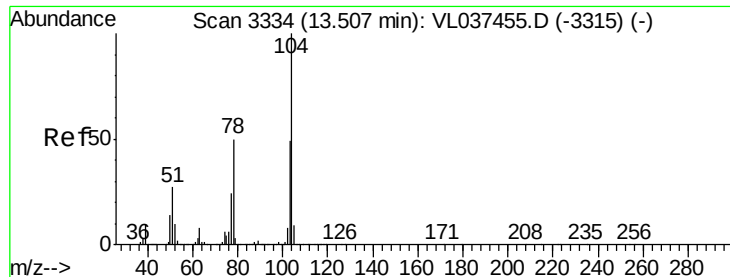
Tot Ion: 91 Resp: 4996910
Ion Ratio Lower Upper
91 100
106 82.1 36.9 55.3#



#60
o-Xylene
Concen: 7.546 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion: 91 Resp: 4055782
Ion Ratio Lower Upper
91 100
106 48.0 23.7 71.1





#61

Stvrene

Concen: 8.275 ppbv

RT: 13.51 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

ClientSampleId :

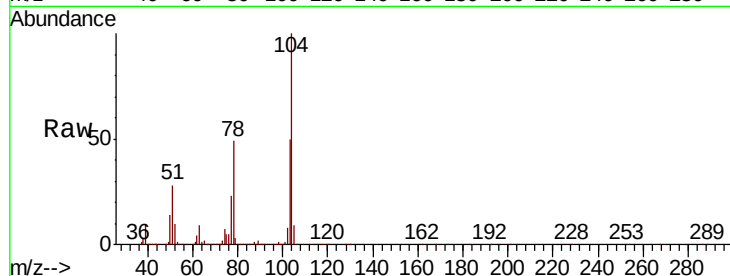
Tot Ion:104 Resp: 2310433

Ion Ratio Lower Upper

104 100

78 52.0 41.3 61.9

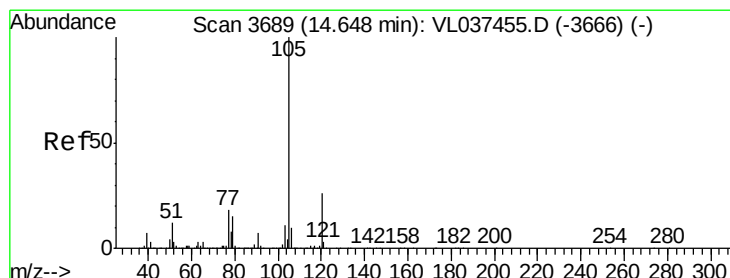
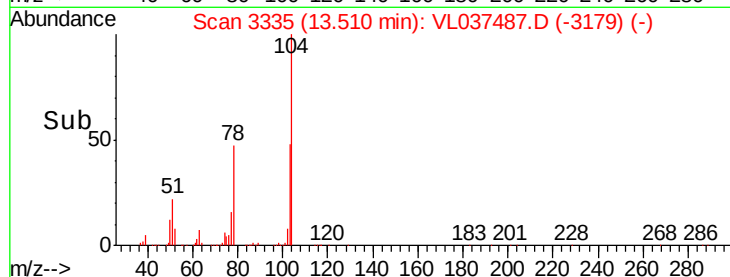
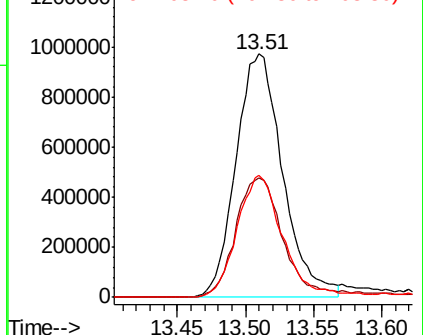
103 50.2 39.4 59.0



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: 7.543 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. -0.00 min

Lab File: VL037487.D

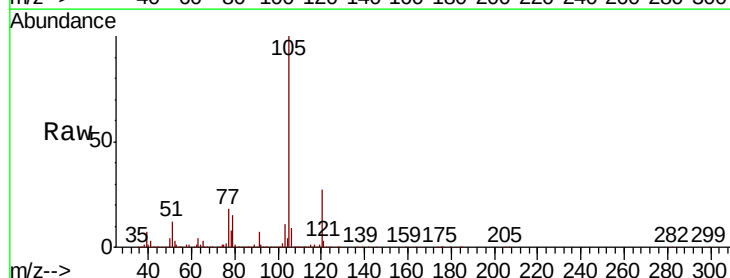
Acq: 18 Aug 2021 11:44

Tgt Ion:105 Resp: 5721085

Ion Ratio Lower Upper

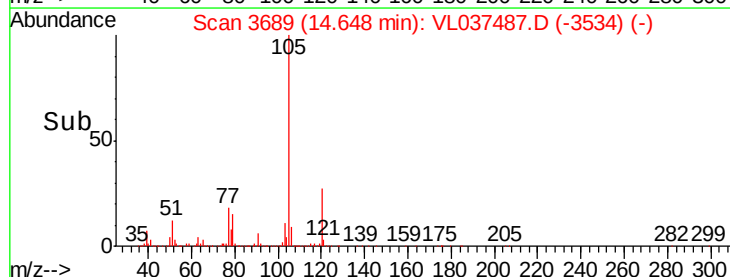
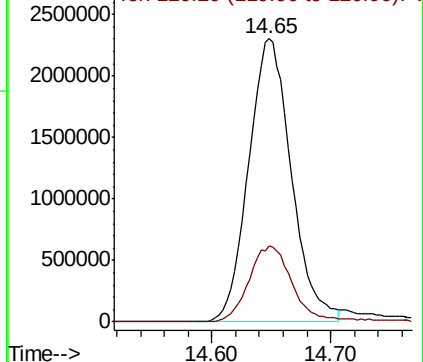
105 100

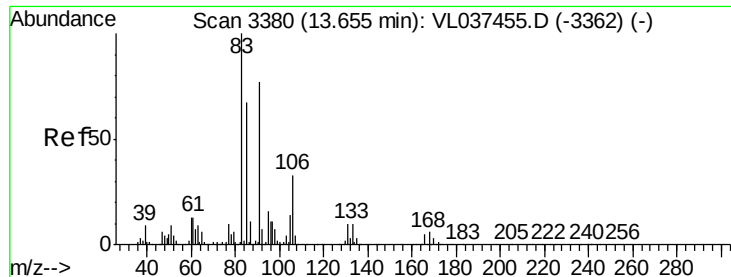
120 28.0 21.5 32.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

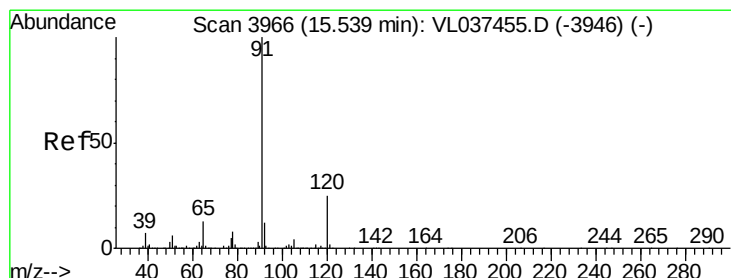
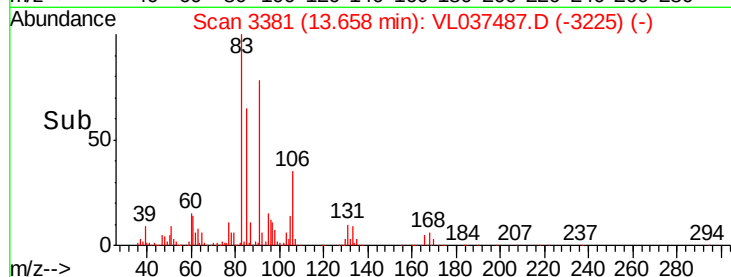
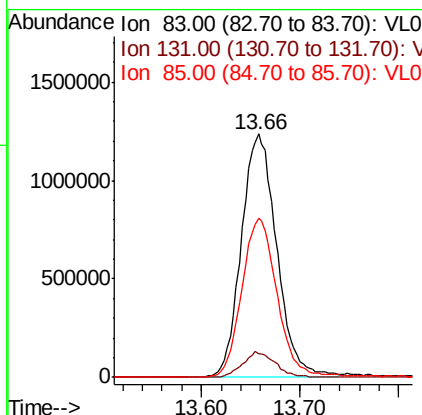
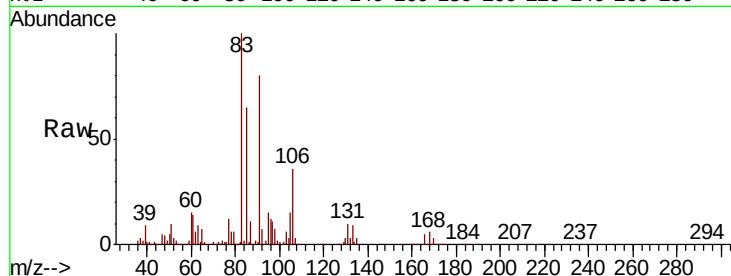




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.671 ppbv
 RT: 13.66 min Scan# 3381
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

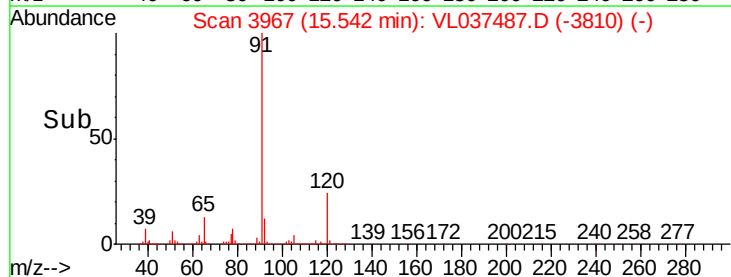
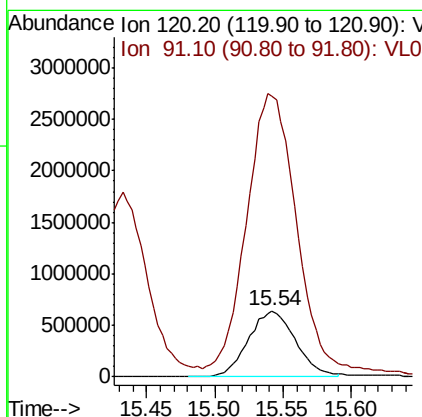
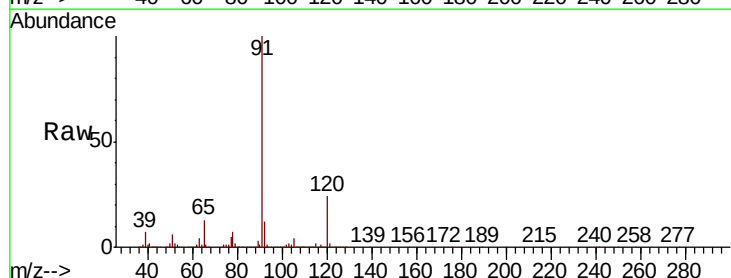
Instrument :
 MSVOA_L
 ClientSampleId :

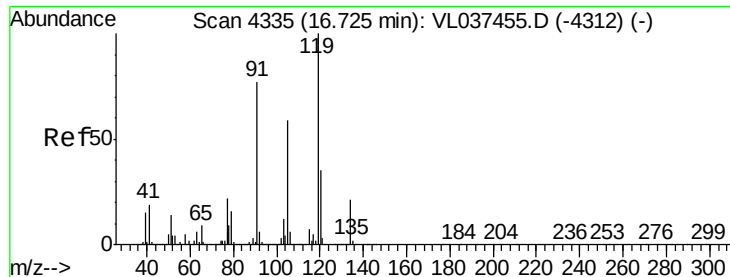
Tot Ion: 83 Resp: 3064276
 Ion Ratio Lower Upper
 83 100
 131 9.9 5.0 15.0
 85 65.6 33.8 101.3



#64
 n-propylbenzene
 Concen: 7.949 ppbv
 RT: 15.54 min Scan# 3967
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Tgt Ion: 120 Resp: 1534471
 Ion Ratio Lower Upper
 120 100
 91 472.1 373.8 560.6

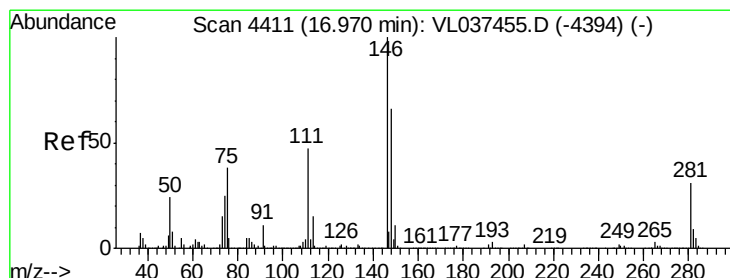
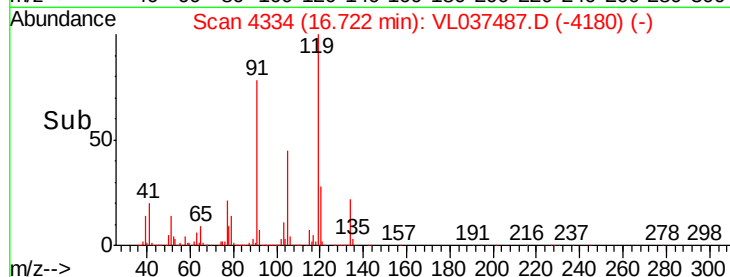
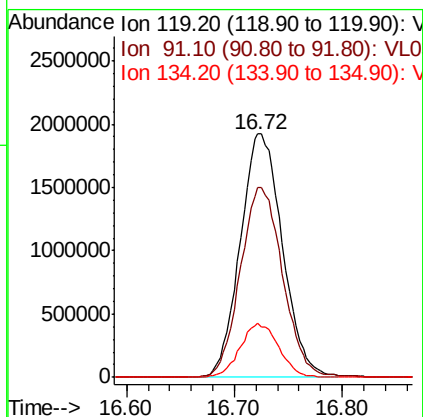
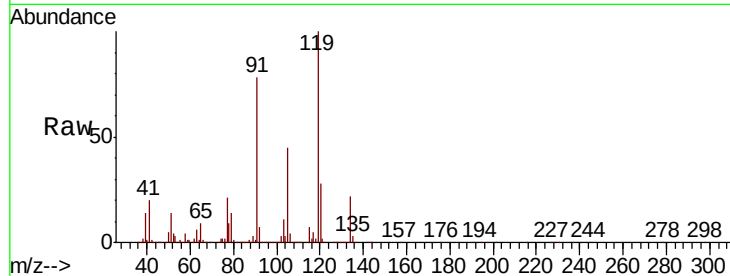




#65
tert-Butylbenzene
Concen: 7.567 ppbv
RT: 16.72 min Scan# 4334
Delta R.T. -0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

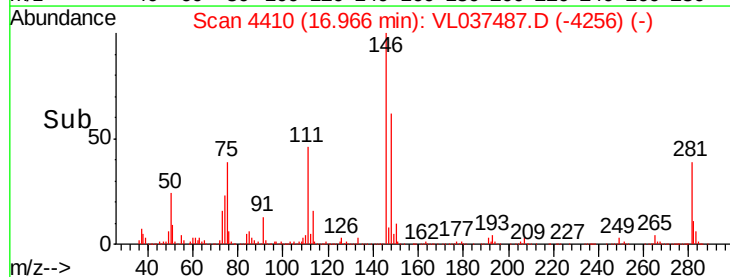
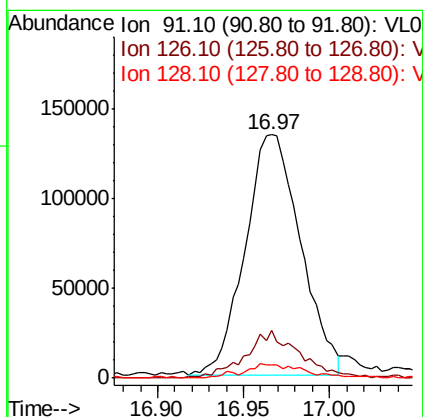
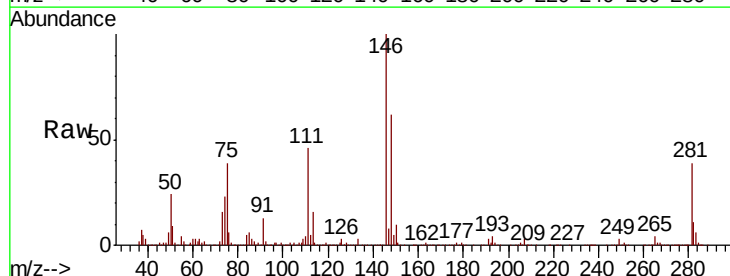
Instrument :
MSVOA_L
ClientSampled :

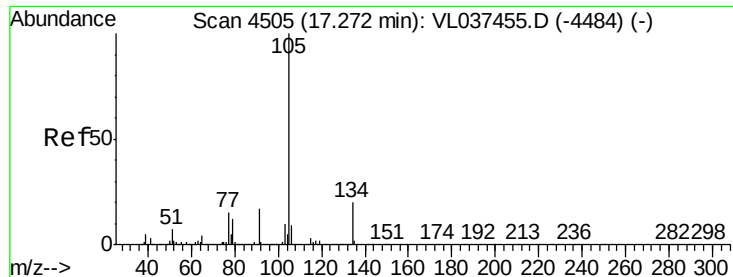
Tot Ion:119 Resp: 5227580
Ion Ratio Lower Upper
119 100
91 78.6 62.9 94.3
134 20.4 16.4 24.6



#66
Benzyl Chloride
Concen: 9.568 ppbv
RT: 16.97 min Scan# 4410
Delta R.T. -0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion: 91 Resp: 298985
Ion Ratio Lower Upper
91 100
126 20.0 15.9 23.9
128 7.0 5.4 8.0





#67

sec-Butylbenzene

Concen: 7.561 ppbv

RT: 17.28 min Scan# 4506

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

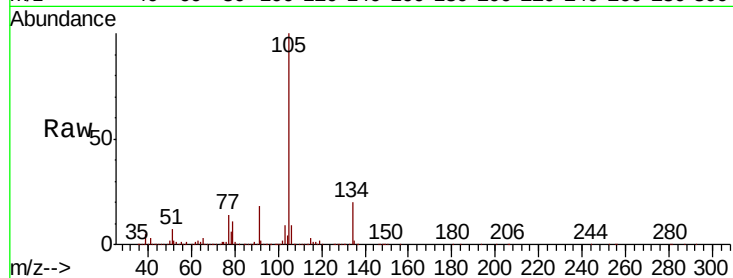
ClientSampleId :

Tot Ion:105 Resp: 7298068

Ion Ratio Lower Upper

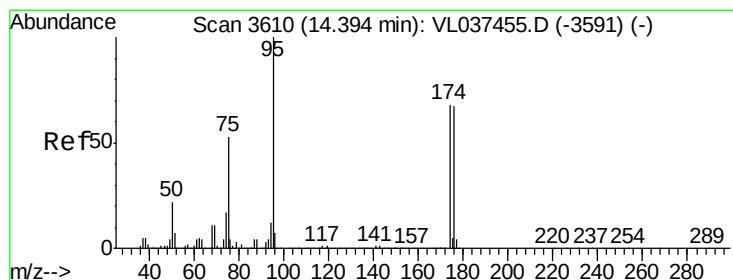
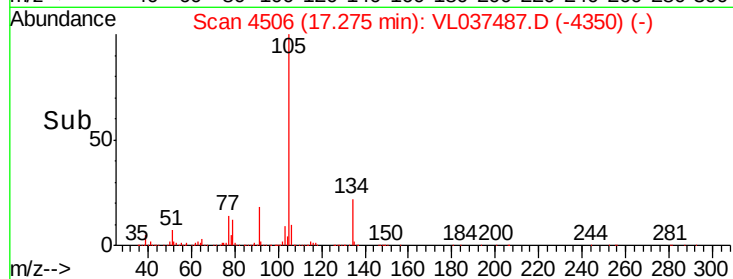
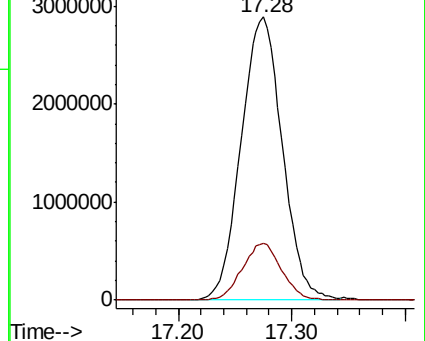
105 100

134 19.2 15.2 22.8



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: 8.228 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

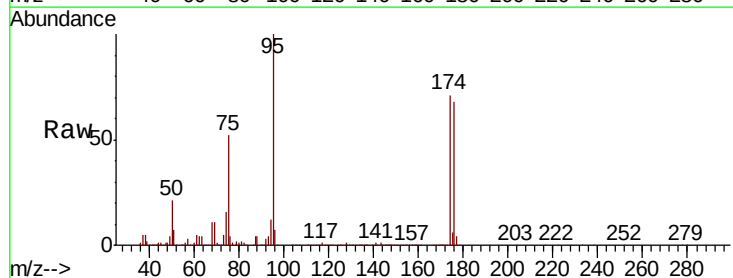
Tgt Ion: 95 Resp: 2797757

Ion Ratio Lower Upper

95 100

174 75.1 59.6 89.4

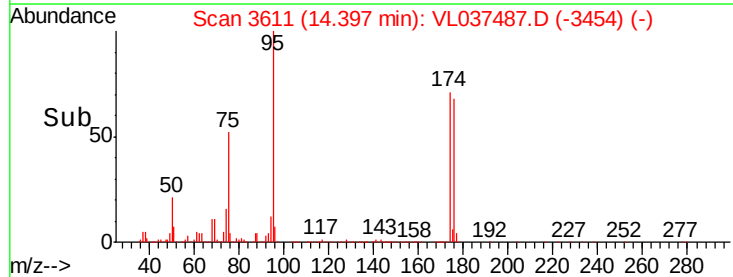
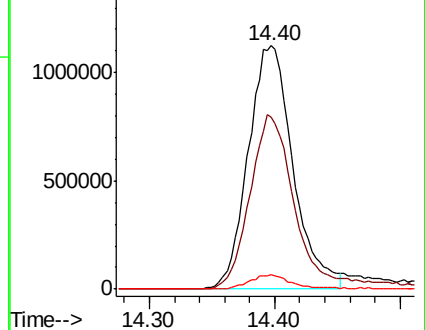
175 6.0 4.6 7.0

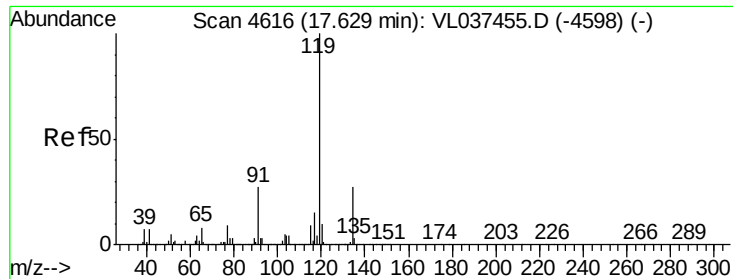


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

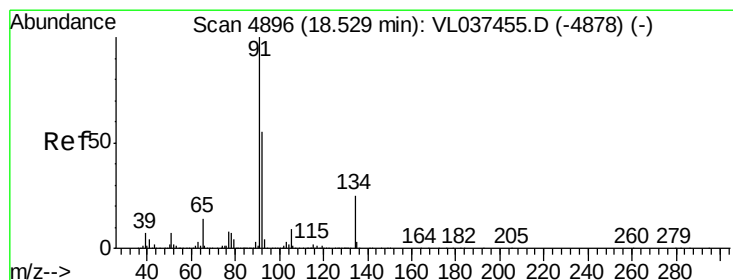
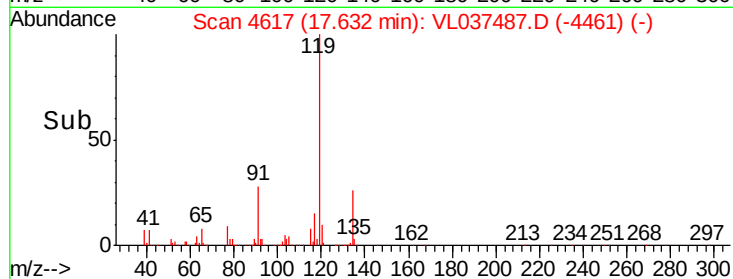
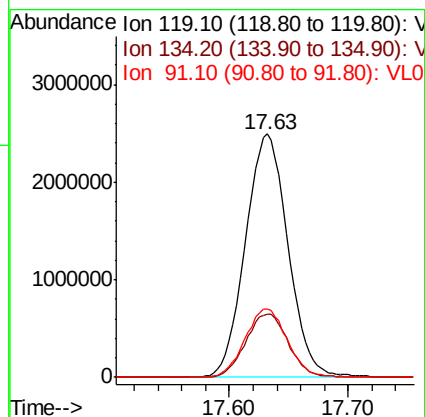
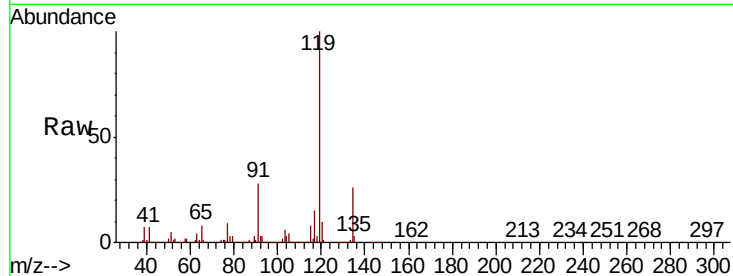




#69
 p-Isopropyltoluene
 Concen: 7.816 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

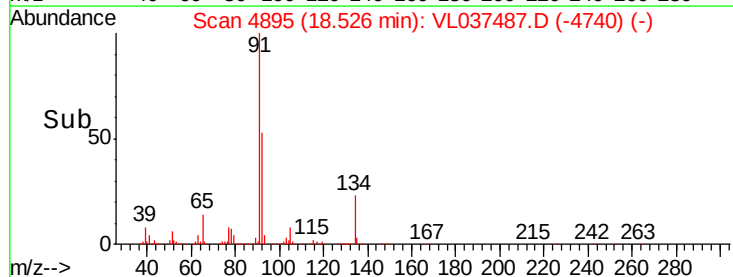
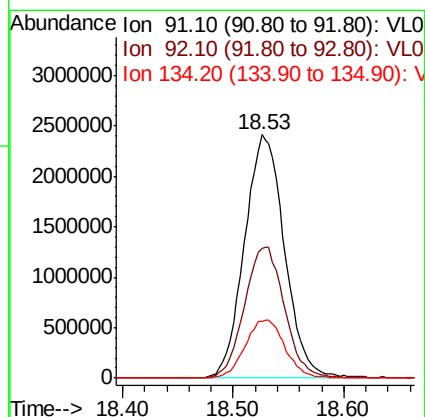
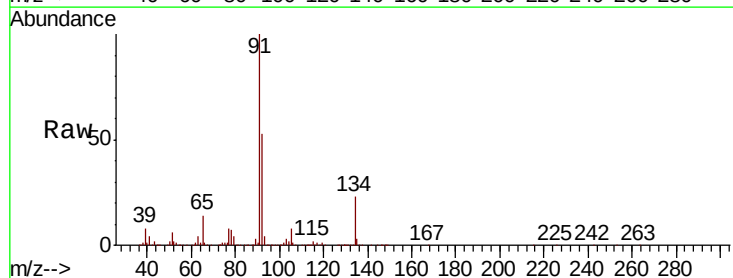
Instrument :
 MSVOA_L
 ClientSampleId :

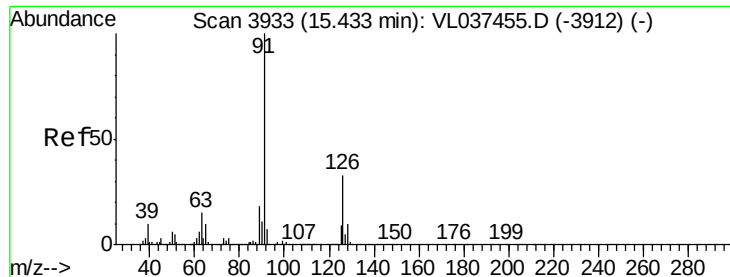
Tot Ion:119 Resp: 6147972
 Ion Ratio Lower Upper
 119 100
 134 26.2 21.1 31.7
 91 28.1 22.4 33.6



#70
 n-Butylbenzene
 Concen: 8.038 ppbv
 RT: 18.53 min Scan# 4895
 Delta R.T. -0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Tgt Ion: 91 Resp: 6042016
 Ion Ratio Lower Upper
 91 100
 92 54.3 44.0 66.0
 134 24.0 19.5 29.3





#71

2-Chlorotoluene

Concen: 7.801 ppbv

RT: 15.43 min Scan# 3933

Delta R.T. -0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

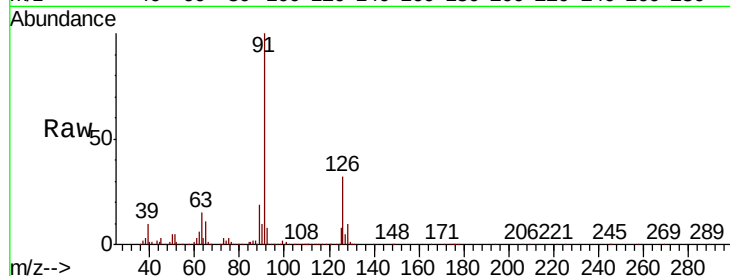
ClientSampleId :

Tot Ion: 91 Resp: 4339380

Ion Ratio Lower Upper

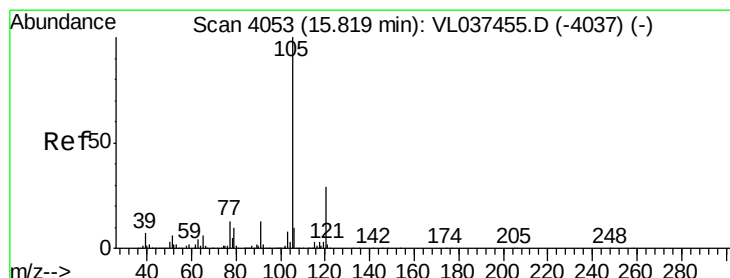
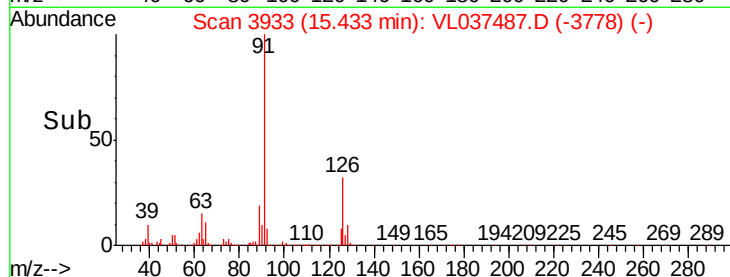
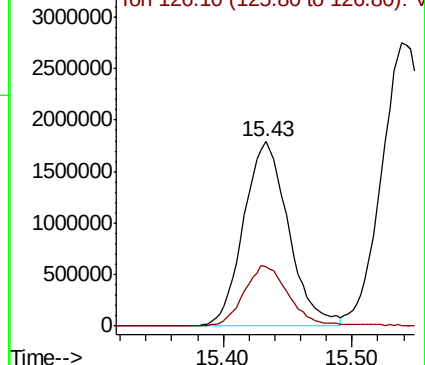
91 100

126 33.8 13.6 54.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.045 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. -0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Tgt Ion: 105 Resp: 5142830

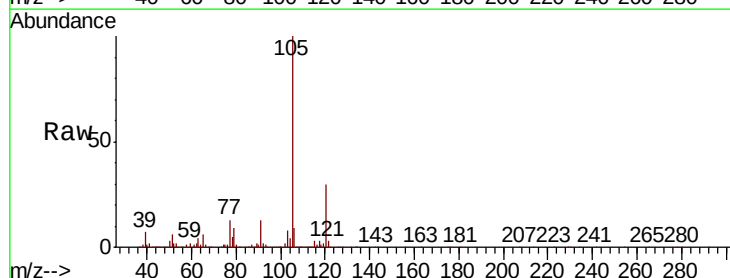
Ion Ratio Lower Upper

105 100

120 30.2 24.7 37.1

91 11.8 9.8 14.8

77 13.3 10.6 15.8

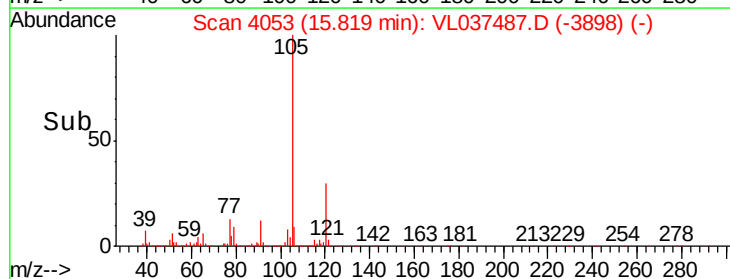
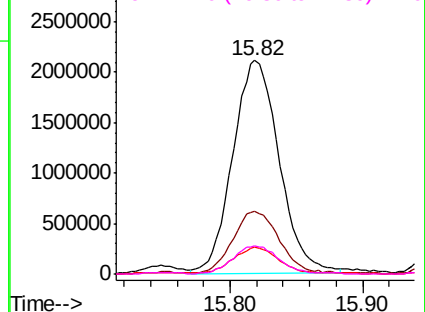


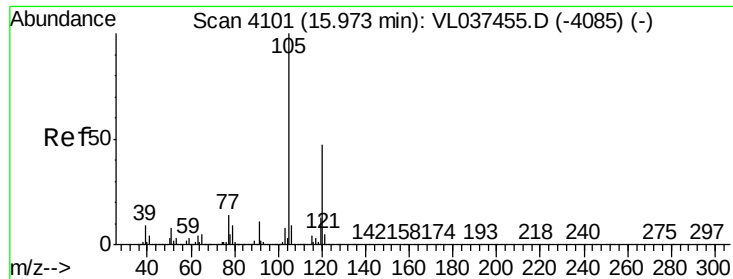
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 7.800 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

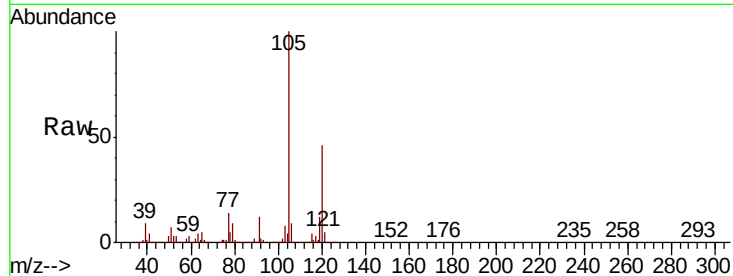
ClientSampleId :

Tot Ion:105 Resp: 4641274

Ion Ratio Lower Upper

105 100

120 46.4 37.6 56.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

500000

0

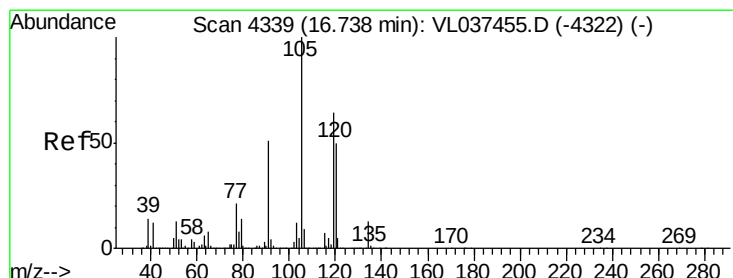
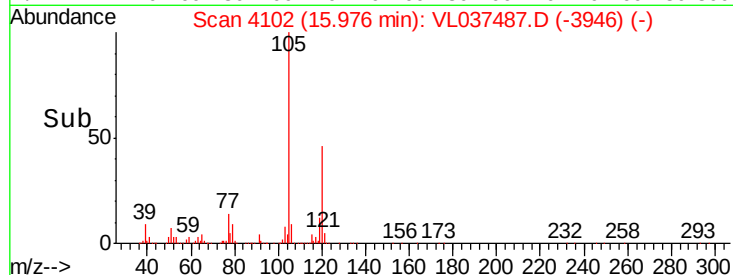
15.90

15.98

16.00

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.534 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.01 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Tgt Ion:105 Resp: 4763902

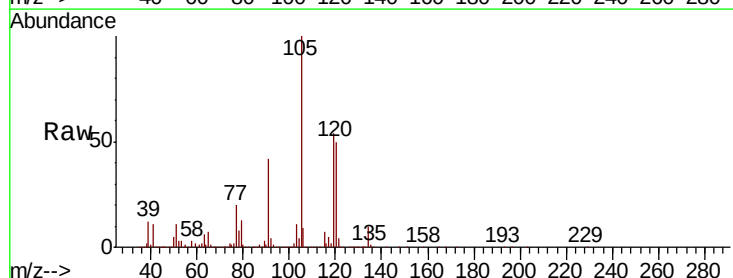
Ion Ratio Lower Upper

105 100

120 49.6 40.4 60.6

91 41.0 44.6 67.0#

77 20.3 17.8 26.6



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

3000000

2500000

2000000

1500000

1000000

500000

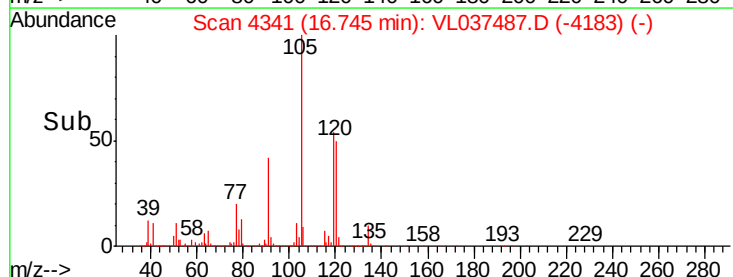
0

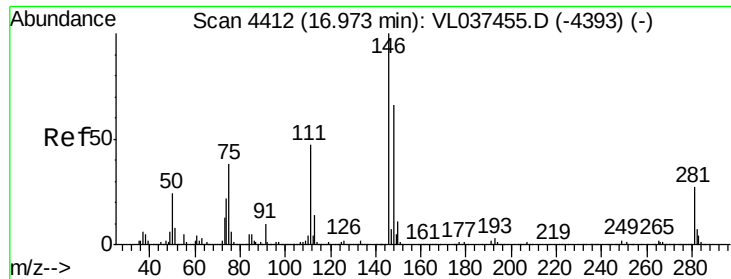
16.70

16.74

16.80

Time-->





#75

1,3-Dichlorobenzene

Concen: 7.586 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. 0.01 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

Instrument :

MSVOA_L

ClientSampleId :

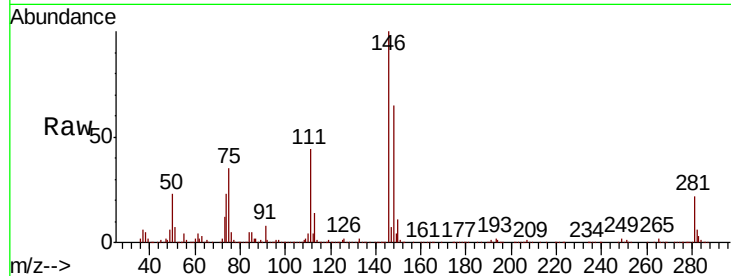
Tot Ion:146 Resp: 2887443

Ion Ratio Lower Upper

146 100

111 45.9 23.4 70.0

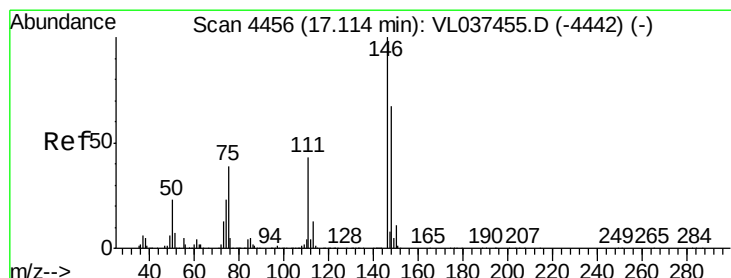
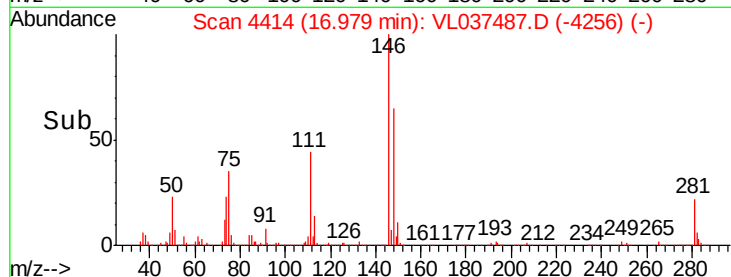
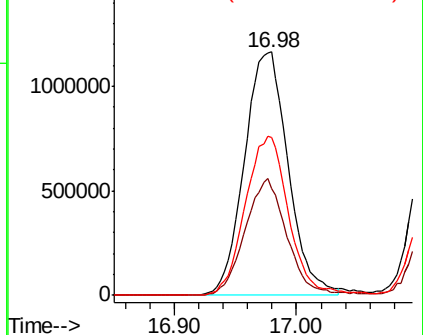
148 64.9 33.1 99.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.435 ppbv

RT: 17.12 min Scan# 4457

Delta R.T. 0.00 min

Lab File: VL037487.D

Acq: 18 Aug 2021 11:44

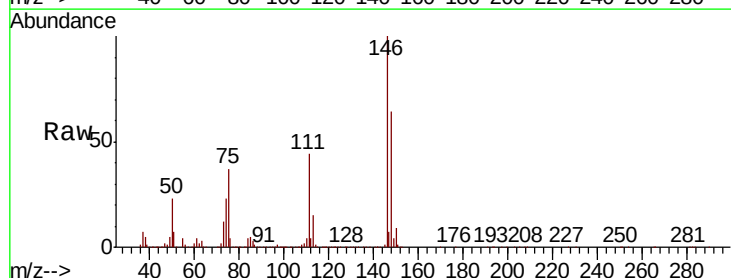
Tgt Ion:146 Resp: 2850848

Ion Ratio Lower Upper

146 100

111 45.5 22.1 66.5

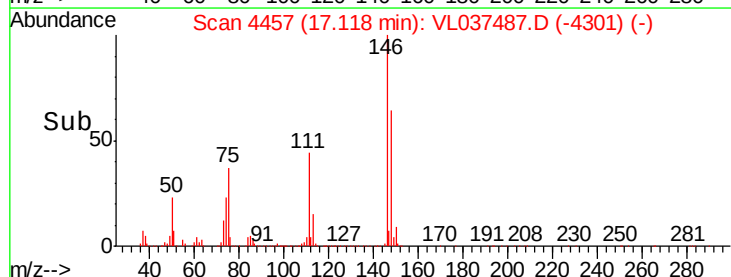
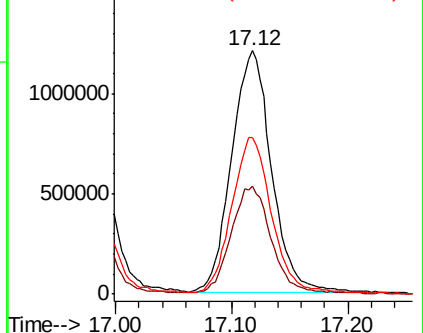
148 65.7 32.4 97.0

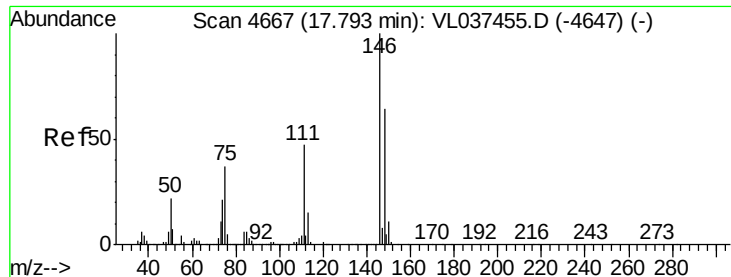


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

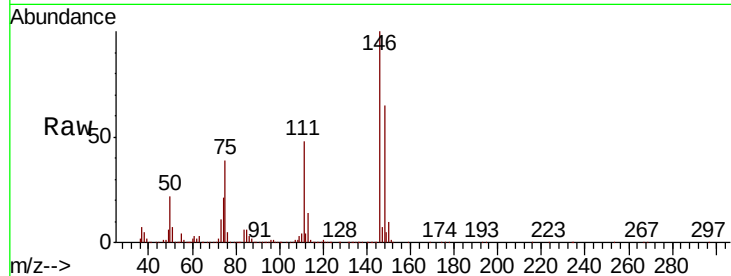




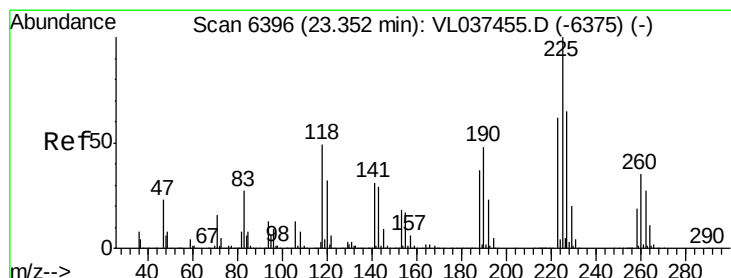
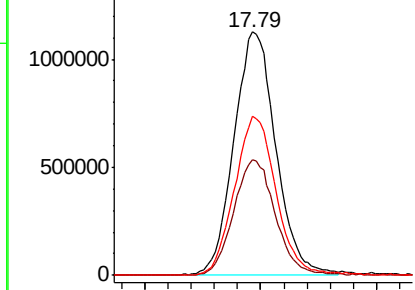
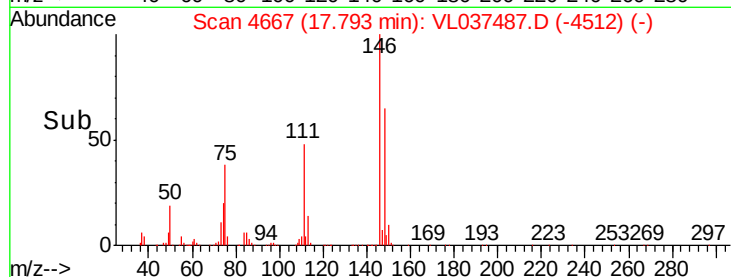
#77
 1,2-Dichlorobenzene
 Concen: 7.464 ppbv
 RT: 17.79 min Scan# 4667
 Delta R.T. -0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:146 Resp: 2797403
 Ion Ratio Lower Upper
 146 100
 111 47.5 23.4 70.3
 148 65.6 32.5 97.5

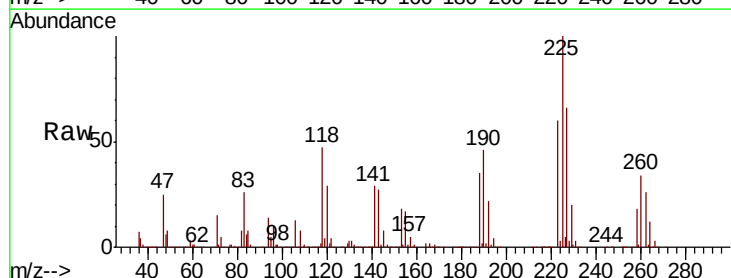


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

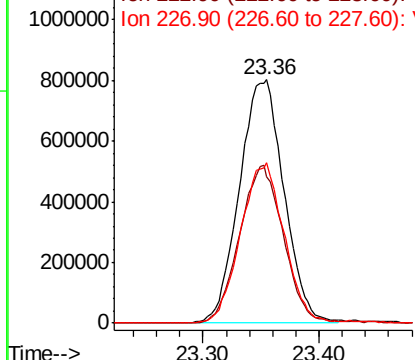
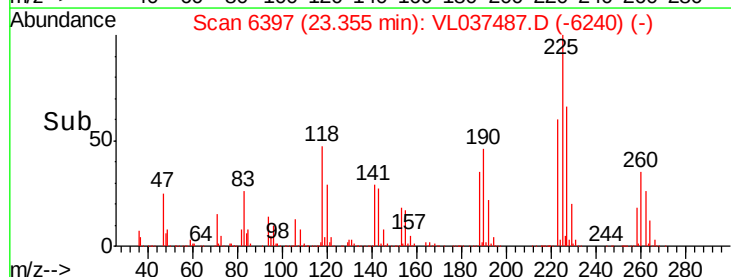


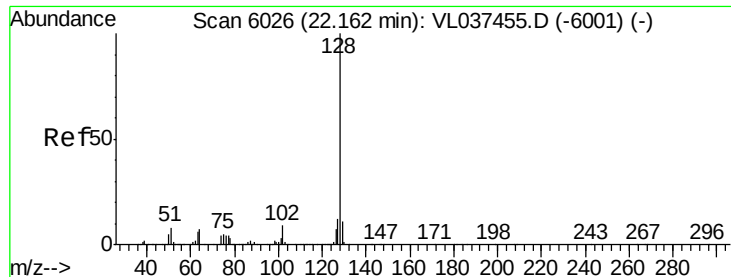
#78
 Hexachloro-1,3-Butadiene
 Concen: 6.872 ppbv
 RT: 23.36 min Scan# 6397
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Tgt Ion:225 Resp: 2141337
 Ion Ratio Lower Upper
 225 100
 223 64.3 51.4 77.0
 227 65.0 52.9 79.3



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V

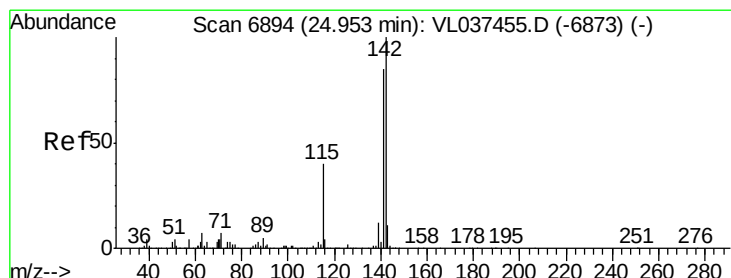
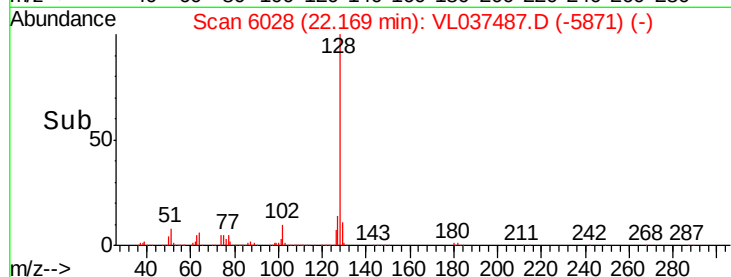
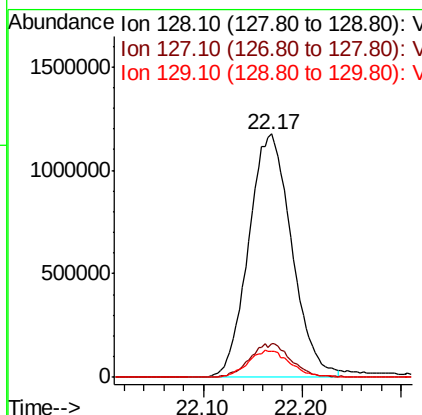
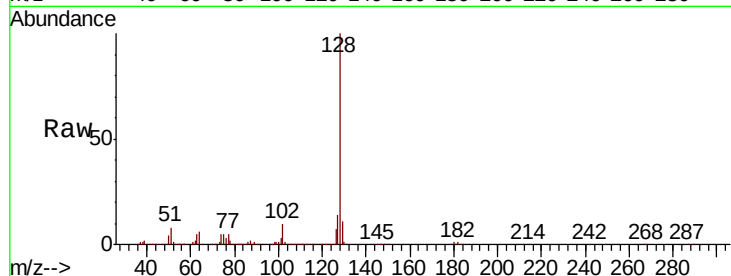




#79
Naphthalene
Concen: 8.366 ppbv
RT: 22.17 min Scan# 6028
Delta R.T. 0.01 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

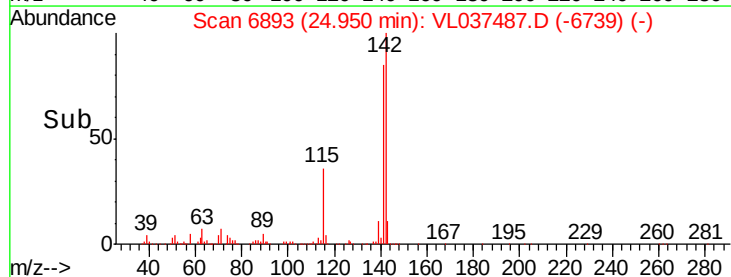
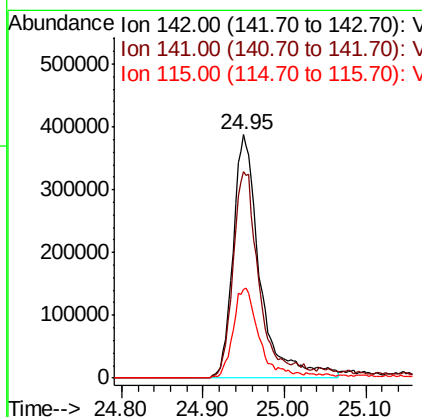
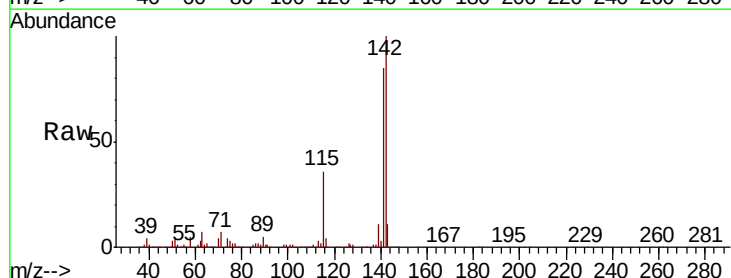
Instrument :
MSVOA_L
ClientSampleId :

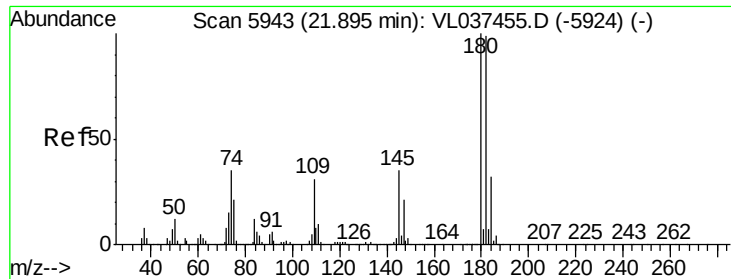
Tot Ion:128 Resp: 3540239
Ion Ratio Lower Upper
128 100
127 14.1 9.4 14.2
129 10.9 8.8 13.2



#80
Naphthalene, 2-methyl-
Concen: 7.584 ppbv
RT: 24.95 min Scan# 6893
Delta R.T. -0.00 min
Lab File: VL037487.D
Acq: 18 Aug 2021 11:44

Tgt Ion:142 Resp: 894022
Ion Ratio Lower Upper
142 100
141 88.6 64.7 97.1
115 38.9 28.4 42.6

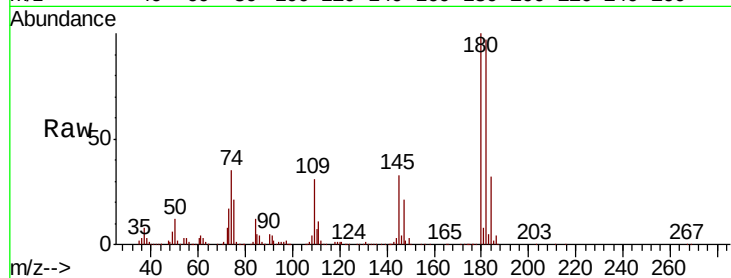




#81
 1,2,4-Trichlorobenzene
 Concen: 8.209 ppbv
 RT: 21.90 min Scan# 5944
 Delta R.T. 0.00 min
 Lab File: VL037487.D
 Acq: 18 Aug 2021 11:44

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 2179870
 Ion Ratio Lower Upper
 180 100
 182 97.4 79.6 119.4
 184 31.0 25.4 38.2



Abundance Ion 180.00 (179.70 to 180.70): V
 1000000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

