

Data File : VL037462.D

Acq On : 16 Aug 2021 15:12

Operator : SY/AP

Sample : VSTDICV010

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081621

Quant Time: Aug 16 16:20:38 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 16 14:55:18 2021

QLast Update : Mon Aug 16 14:55:18 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1570716	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4617746	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	5184050	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3066609	8.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	2197063	8.718	ppbv	95
3) Chlorodifluoromethane	2.98	51	2649945	8.810	ppbv	99
4) Chloromethane	3.13	50	991819	9.228	ppbv	94
5) Vinyl Chloride	3.25	62	983808	8.934	ppbv	93
6) Bromomethane	3.47	94	468467	7.767	ppbv	98
7) Chloroethane	3.55	64	343072	9.128	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2285558	8.785	ppbv	99
9) Propene	3.00	41	952198	8.848	ppbv	97
10) Heptane	8.10	43	2378315	9.601	ppbv	98
11) Trichlorofluoromethane	3.94	101	2111601	8.926	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1529912	8.813	ppbv	97
13) Ethanol	3.60	45	69412	6.628	ppbv	74
14) Bromoethene	3.73	108	717498	9.104	ppbv	98
15) Acetone	3.84	43	1174633	7.348	ppbv	99
16) 1,3-Butadiene	3.32	39	972112	9.480	ppbv	98
17) tert-Butyl alcohol	4.27	59	1424638	9.756	ppbv	99
18) 1,1-Dichloroethene	4.28	96	686242	8.703	ppbv	99
19) Isopropyl Alcohol	3.95	45	818157	8.934	ppbv #	98
20) Methylene Chloride	4.33	84	598774	7.481	ppbv	96
21) Allyl Chloride	4.40	41	1096416	8.445	ppbv	94
22) trans-1,2-Dichloroethene	4.87	96	690345	8.775	ppbv	95
23) Vinyl Acetate	5.06	43	2188456	9.288	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1498307	8.768	ppbv	99
25) Ethyl Acetate	5.66	43	3712855	9.149	ppbv	99
26) Hexane	5.67	57	1772712	8.934	ppbv	98
27) Carbon Disulfide	4.54	76	1680060	9.501	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1762977	9.252	ppbv	99
29) Chloroform	5.74	83	2493724	8.868	ppbv	100
30) Cyclohexane	7.11	84	1508837	9.127	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1699362	9.463	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2484364	8.992	ppbv	99
34) 2-Butanone	5.23	43	1603588	9.057	ppbv	95
35) Carbon Tetrachloride	7.01	117	2571258	9.422	ppbv	98
36) Benzene	6.88	78	3670403	9.455	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1820934	9.470	ppbv	99
38) Trichloroethene	7.82	130	1436506	9.019	ppbv	96
39) 1,2-Dichloropropane	7.60	63	1392337	9.334	ppbv	97
40) 1,4-Dioxane	7.83	88	60260	1.649	ppbv #	100
41) Tetrahydrofuran	6.03	42	878822	9.675	ppbv	99
42) Bromodichloromethane	7.78	83	2732830	9.720	ppbv	98
43) Methyl Methacrylate	8.00	69	1340996	9.911	ppbv	100

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ICVVL081621

Quant Time: Aug 16 16:20:38 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 16 14:55:18 2021
QLast Update : Mon Aug 16 14:55:18 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	6057602	9.272	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	910654	8.941	ppbv	94
46) cis-1,3-Dichloropropene	8.69	75	1212074	8.531	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1462946	9.077	ppbv	98
48) Dibromochloromethane	10.29	129	2357911	10.166	ppbv	98
49) Bromoform	13.02	173	1940781	10.615	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2439250	9.916	ppbv	99
51) 2-Hexanone	10.12	43	1155340	10.210	ppbv #	100
52) Tetrachloroethene	11.20	164	1352482	8.502	ppbv	95
53) Toluene	9.79	91	4256098	9.602	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2100813	9.337	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1621643	7.507	ppbv	99
57) Chlorobenzene	12.13	112	3096611	7.198	ppbv	98
58) Ethyl Benzene	12.69	91	5429818	7.548	ppbv	97
59) m/p-Xylene	12.98	91	5665116	9.083	ppbv #	59
60) o-Xylene	13.67	91	4293318	7.376	ppbv	99
61) Styrene	13.51	104	2437502	8.061	ppbv	99
62) Isopropylbenzene	14.65	105	6054407	7.370	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	3088280	7.138	ppbv	99
64) n-propylbenzene	15.55	120	1620480	7.751	ppbv	96
65) tert-Butylbenzene	16.73	119	5395778	7.212	ppbv	99
66) Benzyl Chloride	16.97	91	270649	7.997	ppbv	99
67) sec-Butylbenzene	17.28	105	7477444	7.152	ppbv	100
69) p-Isopropyltoluene	17.64	119	6313406	7.411	ppbv	100
70) n-Butylbenzene	18.53	91	6177256	7.587	ppbv	100
71) 2-Chlorotoluene	15.44	91	4473364	7.425	ppbv	100
72) 4-Ethyltoluene	15.82	105	5116666	7.390	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4731090	7.341	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	4902514	7.158	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	2964641	7.192	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	2891465	6.963	ppbv	98
77) 1,2-Dichlorobenzene	17.80	146	2897863	7.139	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2198622	6.514	ppbv	98
79) Naphthalene	22.17	128	3647150	7.958	ppbv	100
80) Naphthalene,2-methyl-	24.95	142	1014966	7.949	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	2242021	7.796	ppbv	98

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

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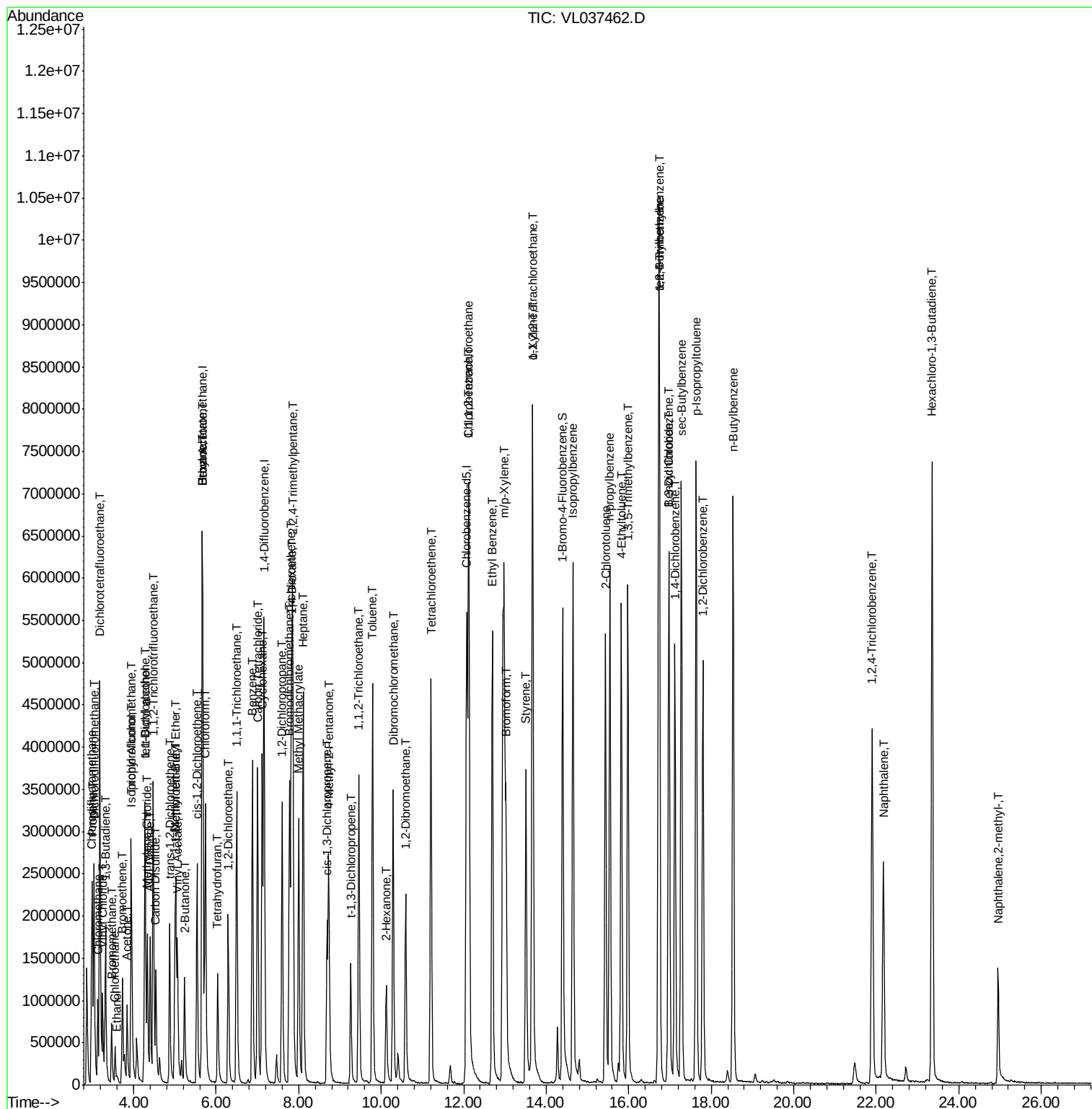
Quant Time: Aug 16 16:20:38 2021

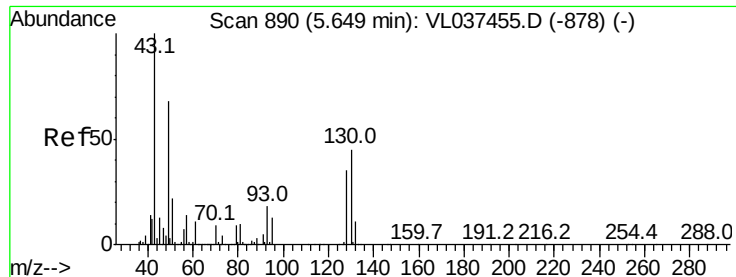
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL081621AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL037462.D

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Instrument :

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ClientSampleId :

ICVVL081621

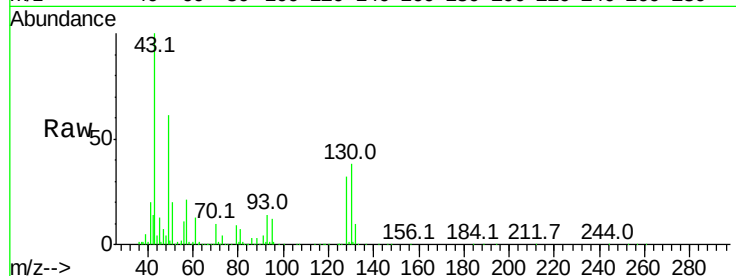
Tgt Ion: 49 Resp: 1570716

Ion Ratio Lower Upper

49 100

128 54.9 27.5 82.4

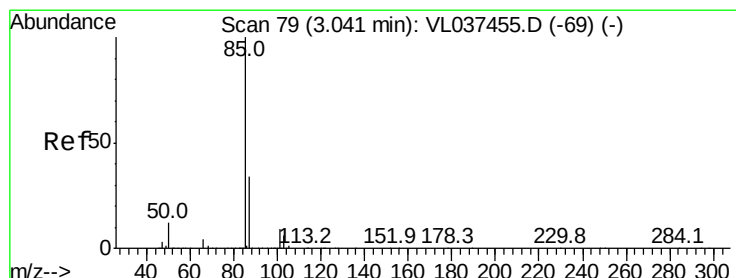
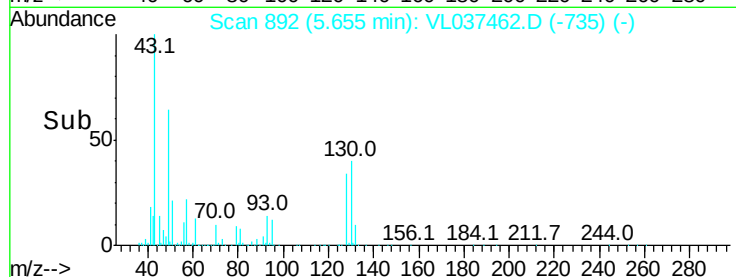
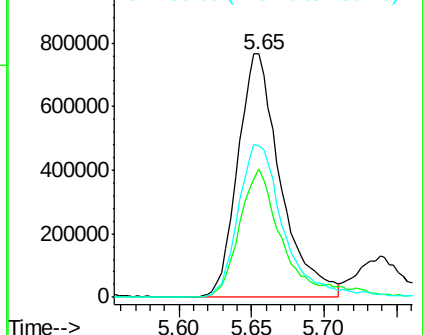
130 67.8 34.0 101.8



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: 8.718 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL037462.D

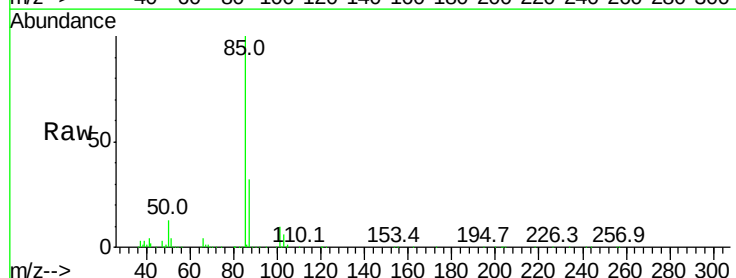
Acq: 16 Aug 2021 15:12

Tgt Ion: 85 Resp: 2197063

Ion Ratio Lower Upper

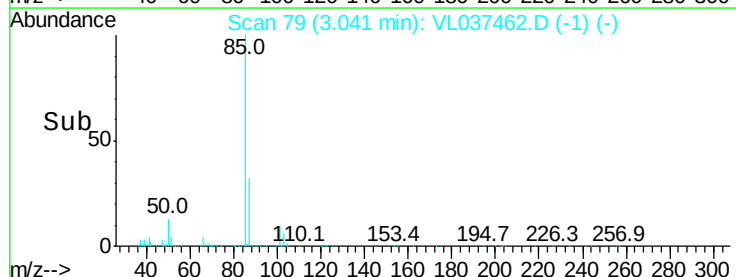
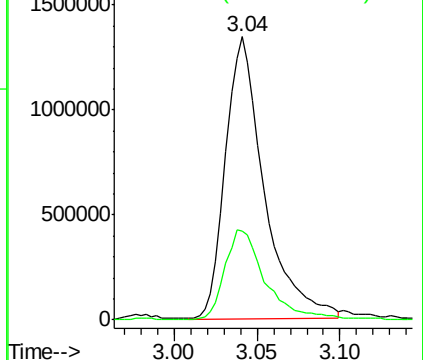
85 100

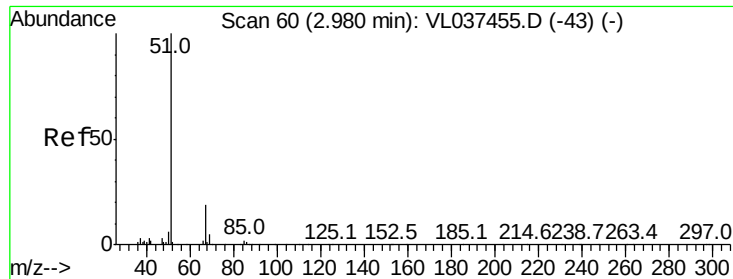
87 31.6 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

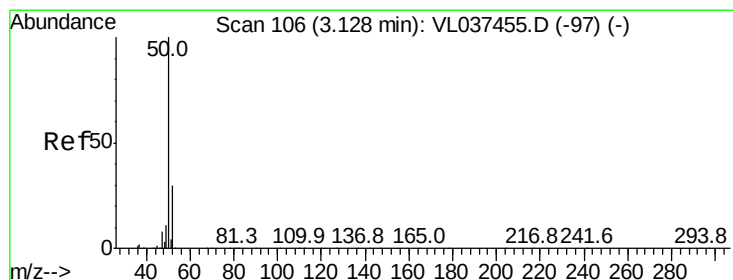
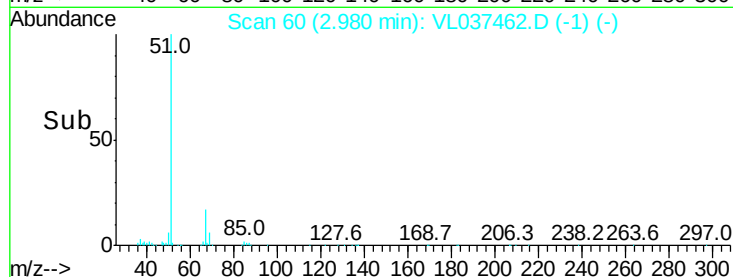
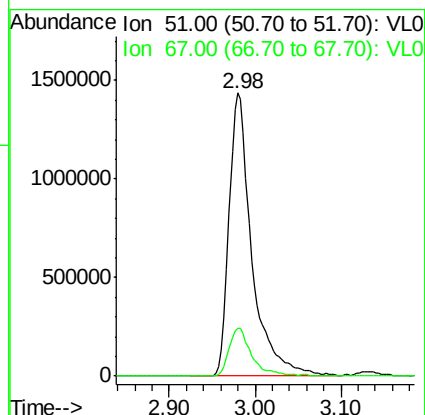
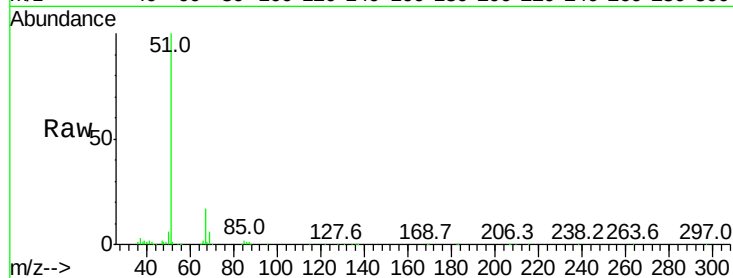




#3
 Chlorodifluoromethane
 Concen: 8.810 ppbv
 RT: 2.98 min Scan# 60
 Delta R.T. -0.00 min
 Lab File: VL037462.D
 Acq: 16 Aug 2021 15:12

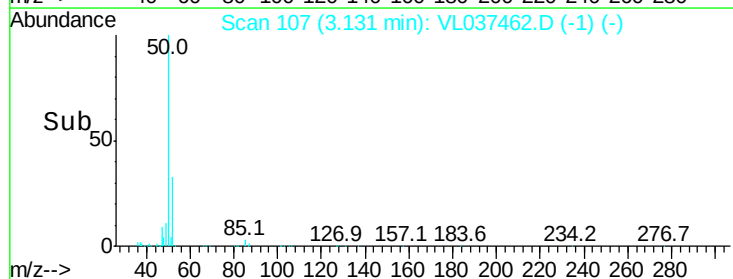
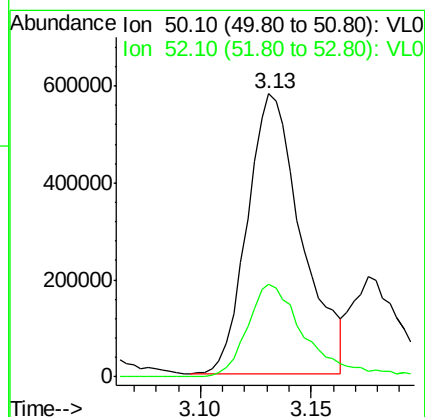
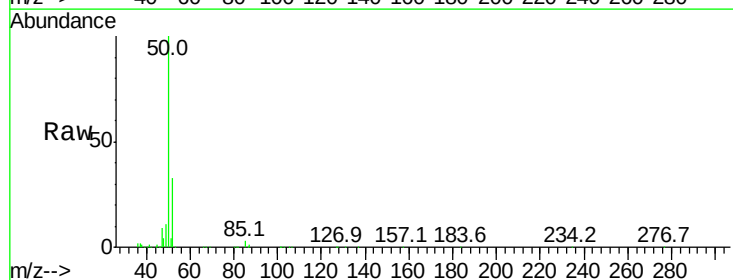
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081621

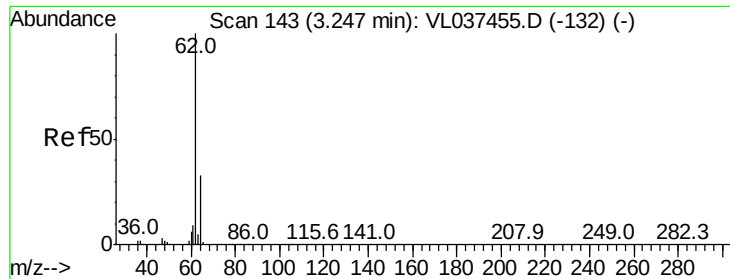
Tgt Ion: 51 Resp: 2649945
 Ion Ratio Lower Upper
 51 100
 67 17.2 14.2 21.2



#4
 Chloromethane
 Concen: 9.228 ppbv
 RT: 3.13 min Scan# 107
 Delta R.T. 0.00 min
 Lab File: VL037462.D
 Acq: 16 Aug 2021 15:12

Tgt Ion: 50 Resp: 991819
 Ion Ratio Lower Upper
 50 100
 52 33.0 24.0 36.0





#5

Vinyl Chloride

Concen: 8.934 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

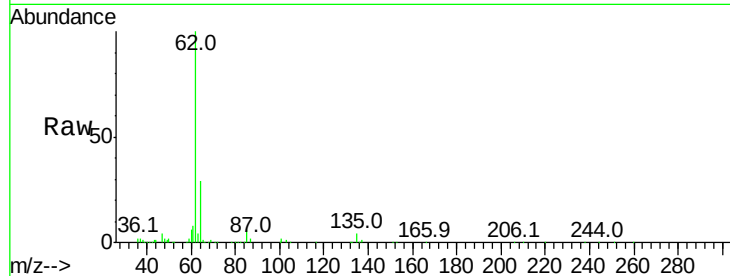
ICVVL081621

Tgt Ion: 62 Resp: 983808

Ion Ratio Lower Upper

62 100

64 29.4 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

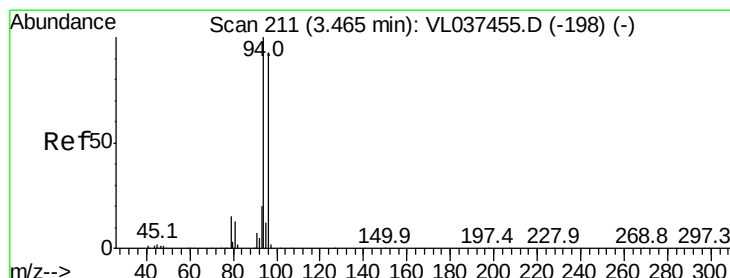
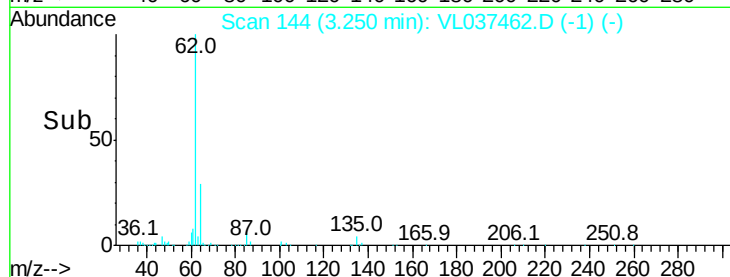
200000

100000

0

Time-->

3.20 3.25 3.30



#6

Bromomethane

Concen: 7.767 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL037462.D

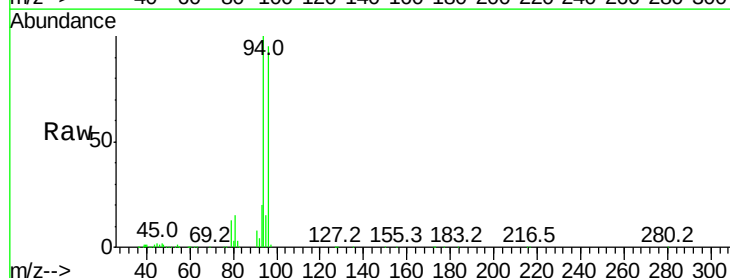
Acq: 16 Aug 2021 15:12

Tgt Ion: 94 Resp: 468467

Ion Ratio Lower Upper

94 100

96 94.7 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

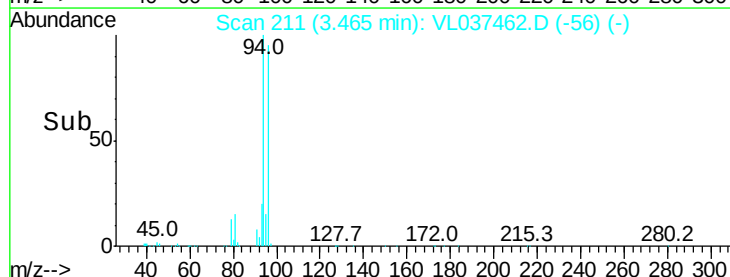
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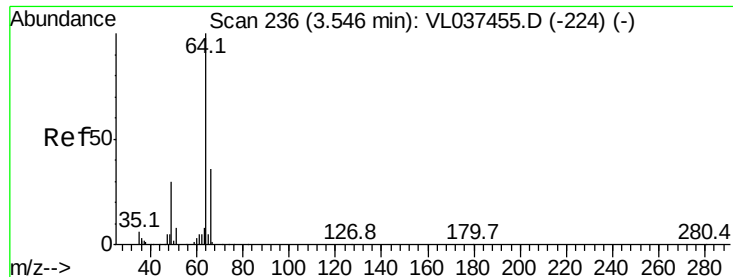
50000

0

Time-->

3.40 3.45 3.50 3.55





#7

Chloroethane

Concen: 9.128 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

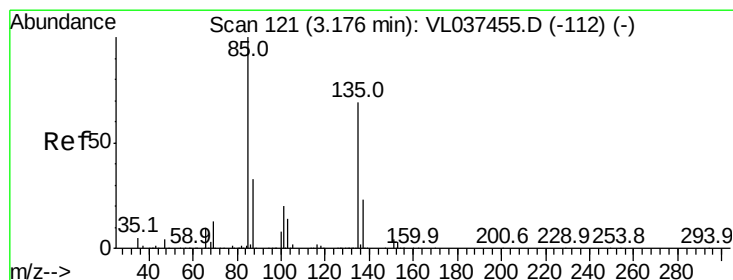
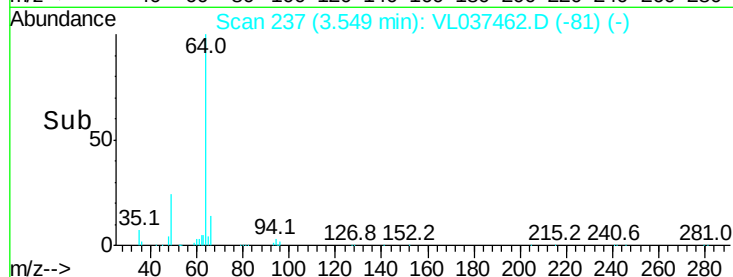
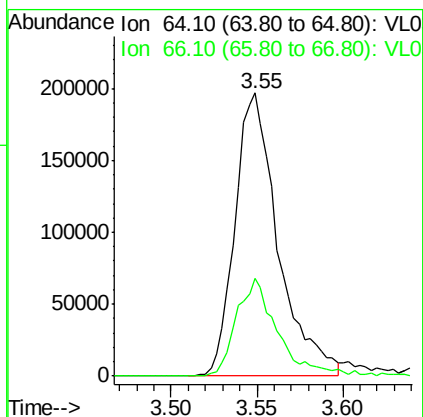
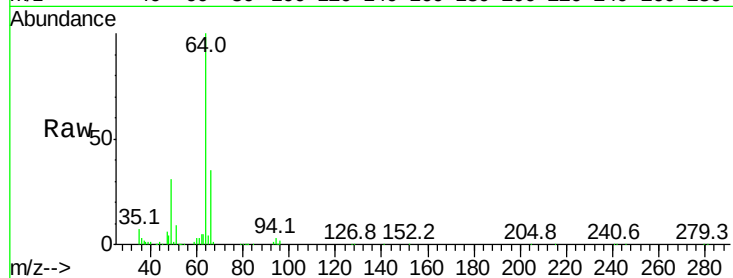
ICVVL081621

Tgt Ion: 64 Resp: 343072

Ion Ratio Lower Upper

64 100

66 34.6 28.6 43.0



#8

Dichlorotetrafluoroethane

Concen: 8.785 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037462.D

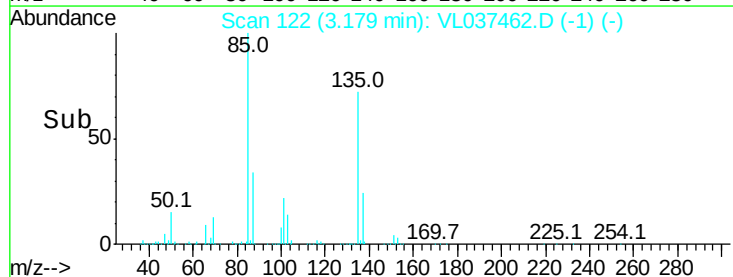
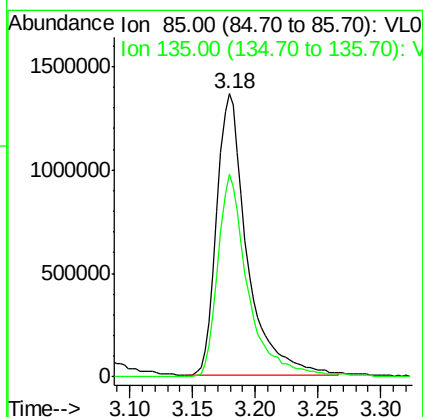
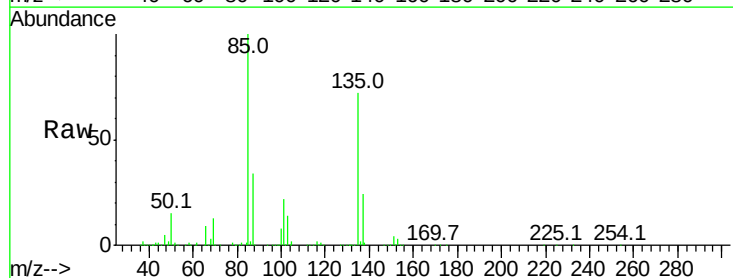
Acq: 16 Aug 2021 15:12

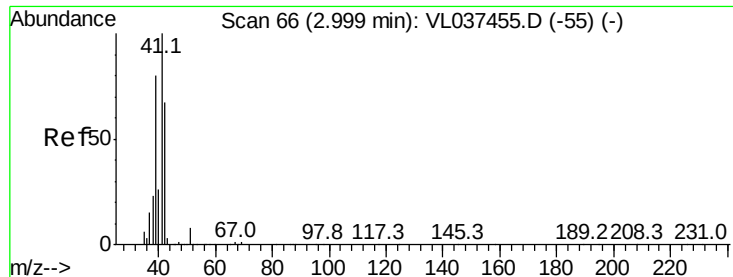
Tgt Ion: 85 Resp: 2285558

Ion Ratio Lower Upper

85 100

135 72.7 58.8 88.2





#9

Propene

Concen: 8.848 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

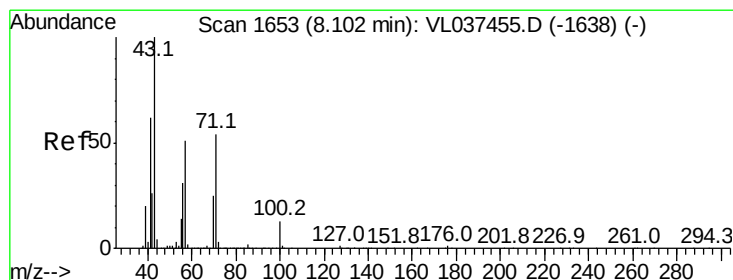
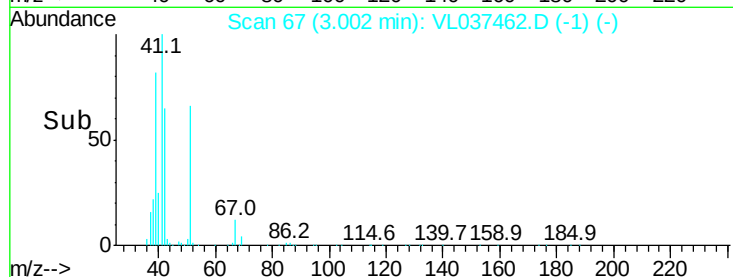
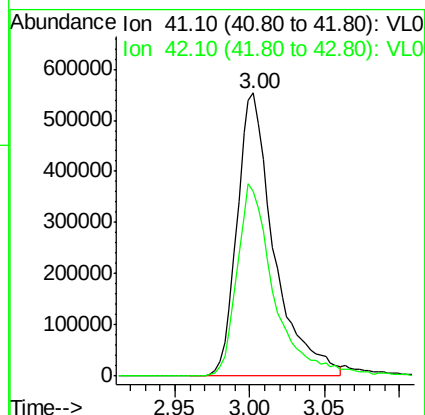
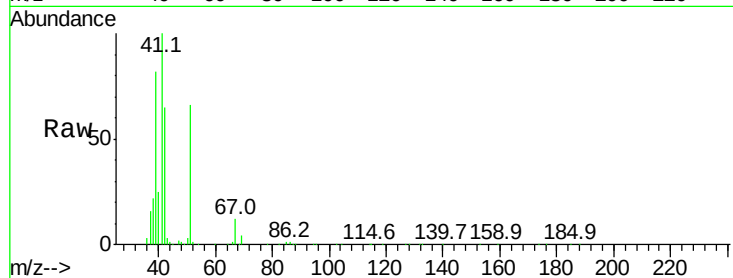
ICVVL081621

Tgt Ion: 41 Resp: 952198

Ion Ratio Lower Upper

41 100

42 69.2 53.7 80.5



#10

Heptane

Concen: 9.601 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL037462.D

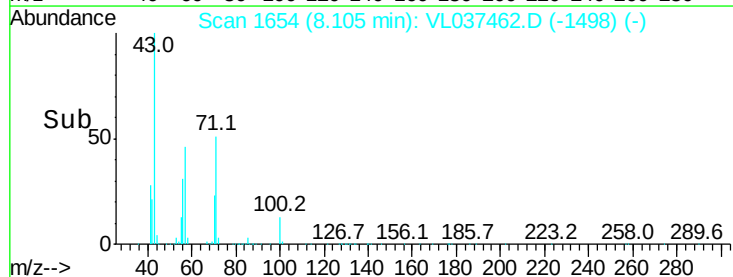
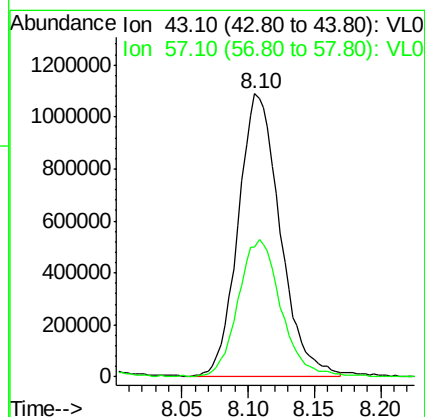
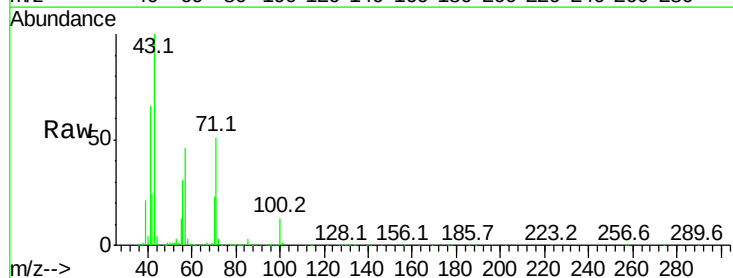
Acq: 16 Aug 2021 15:12

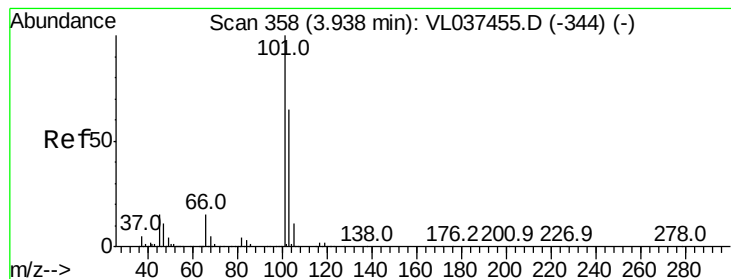
Tgt Ion: 43 Resp: 2378315

Ion Ratio Lower Upper

43 100

57 50.0 41.0 61.6





#11

Trichlorofluoromethane

Concen: 8.926 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.00 min

Lab File: VL037462.D

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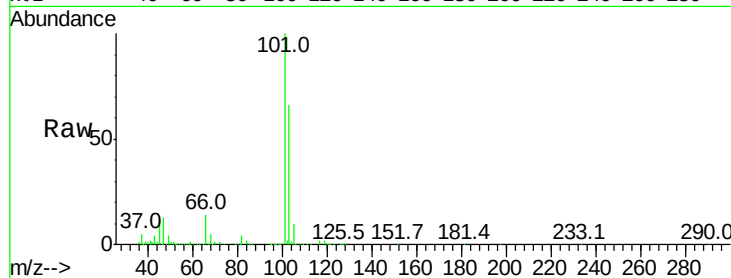
ICVVL081621

Tgt Ion:101 Resp: 2111601

Ion Ratio Lower Upper

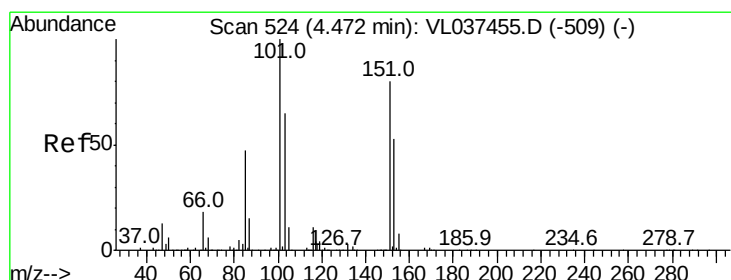
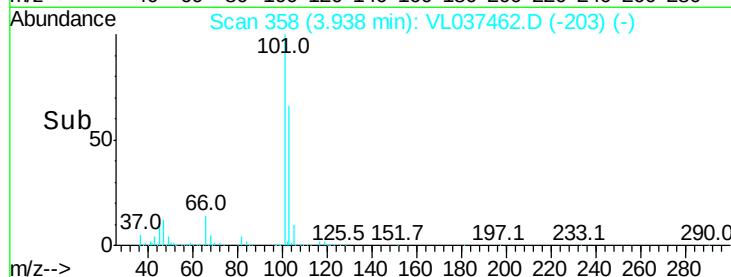
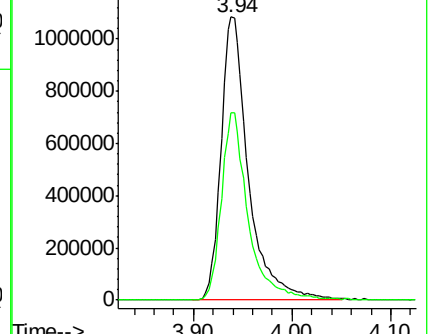
101 100

103 66.4 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.813 ppbv

RT: 4.47 min Scan# 524

Delta R.T. -0.00 min

Lab File: VL037462.D

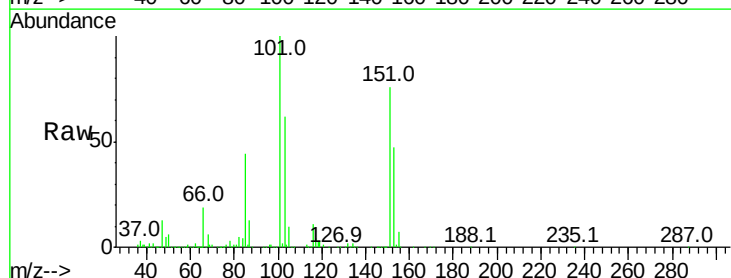
Acq: 16 Aug 2021 15:12

Tgt Ion:101 Resp: 1529912

Ion Ratio Lower Upper

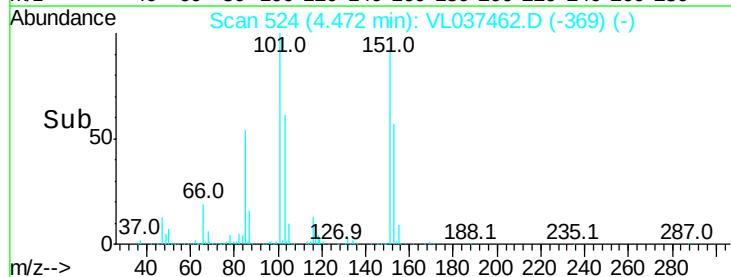
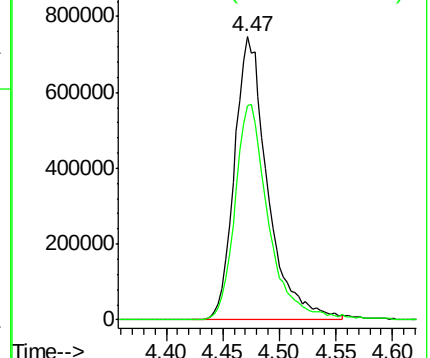
101 100

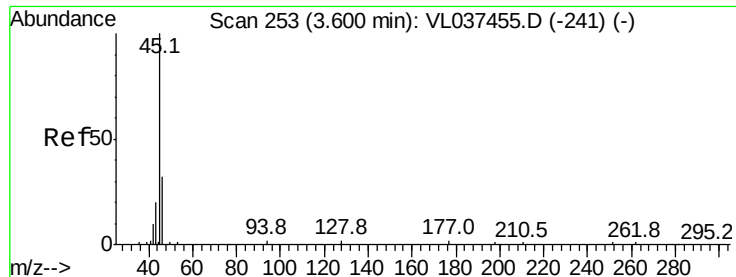
151 77.4 63.7 95.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.628 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

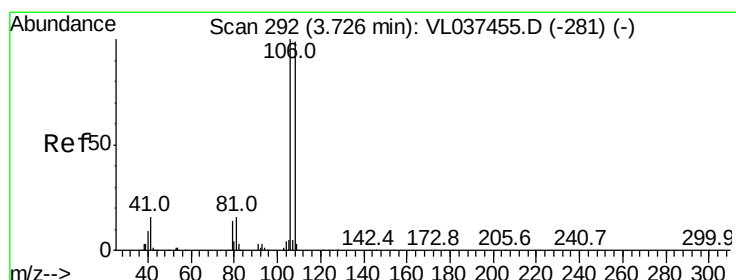
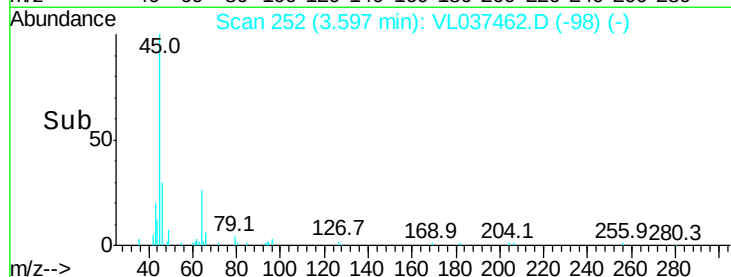
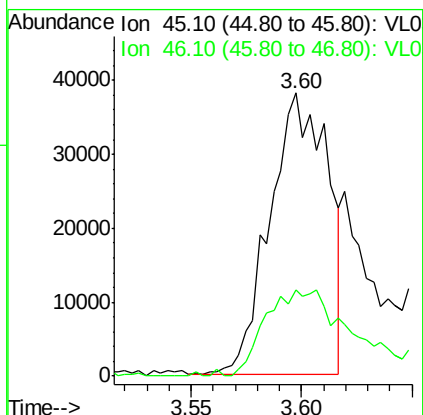
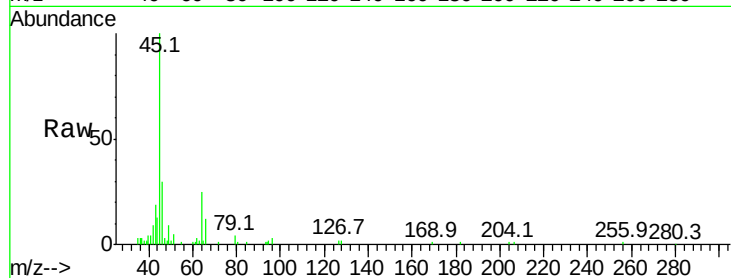
ICVVL081621

Tgt Ion: 45 Resp: 69412

Ion Ratio Lower Upper

45 100

46 50.4 14.1 56.5



#14

Bromoethene

Concen: 9.104 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

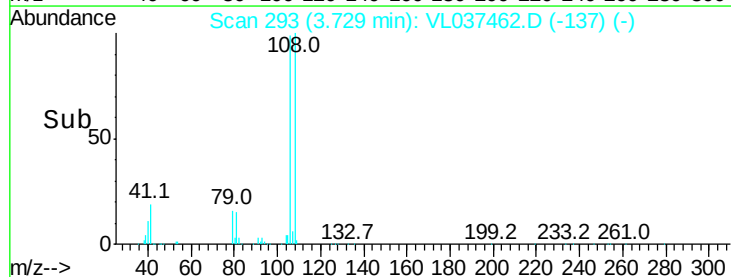
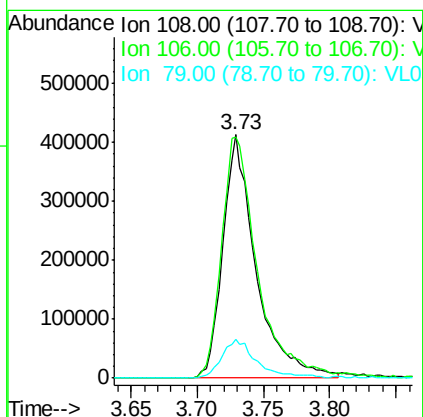
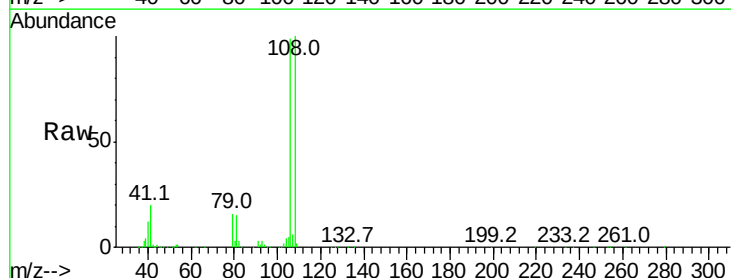
Tgt Ion: 108 Resp: 717498

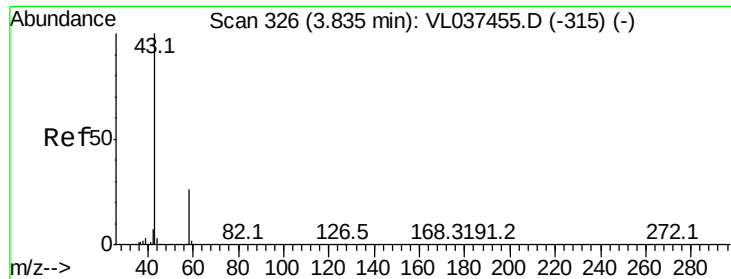
Ion Ratio Lower Upper

108 100

106 109.3 85.8 128.8

79 17.5 12.6 18.8

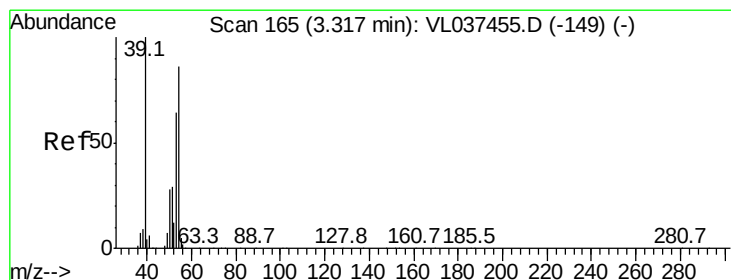
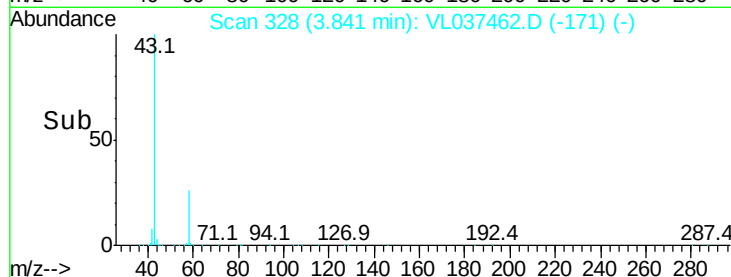
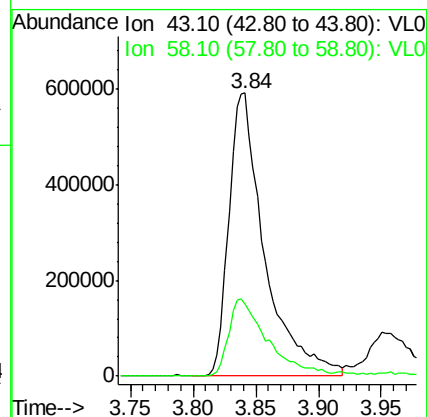
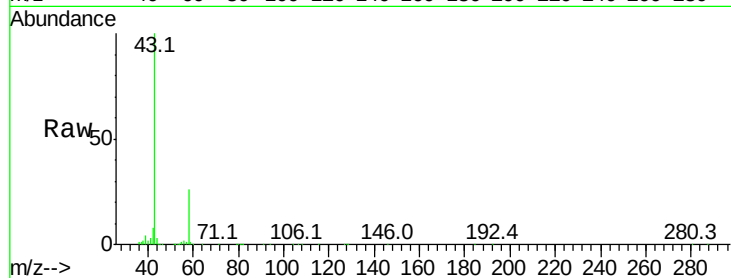




#15
Acetone
Concen: 7.348 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.01 min
Lab File: VL037462.D
Acq: 16 Aug 2021 15:12

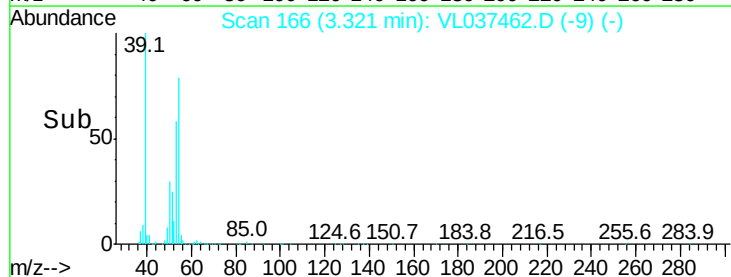
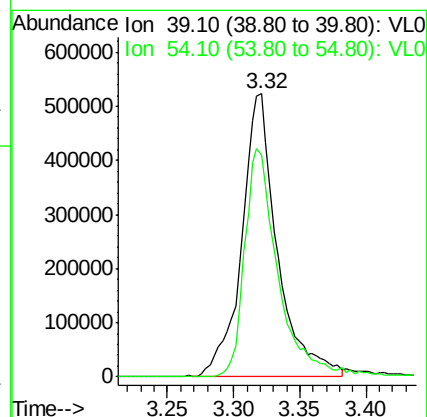
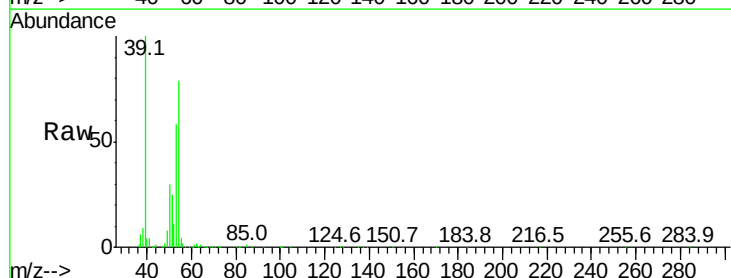
Instrument :
MSVOA_L
ClientSampleId :
ICVVL081621

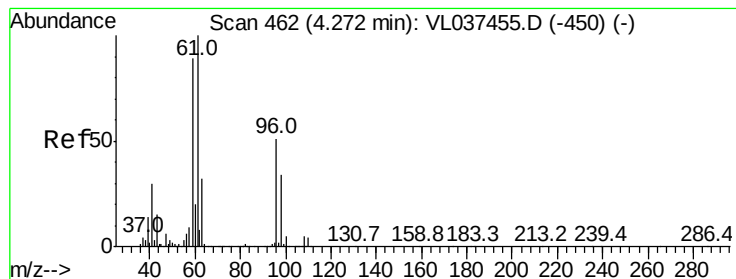
Tgt Ion: 43 Resp: 1174633
Ion Ratio Lower Upper
43 100
58 30.6 24.8 37.2



#16
1,3-Butadiene
Concen: 9.480 ppbv
RT: 3.32 min Scan# 166
Delta R.T. 0.00 min
Lab File: VL037462.D
Acq: 16 Aug 2021 15:12

Tgt Ion: 39 Resp: 972112
Ion Ratio Lower Upper
39 100
54 77.7 63.7 95.5





#17

tert-Butyl alcohol

Concen: 9.756 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

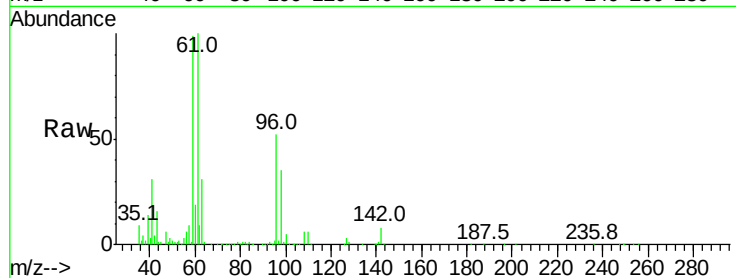
ICVVL081621

Tgt Ion: 59 Resp: 1424638

Ion Ratio Lower Upper

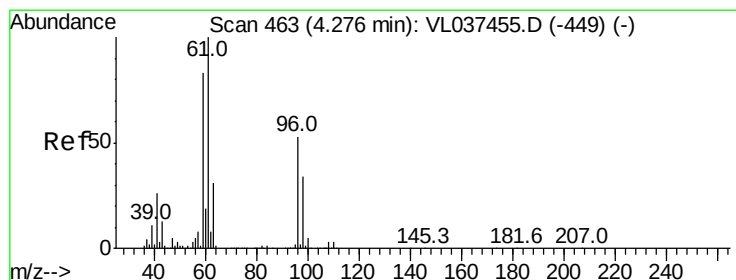
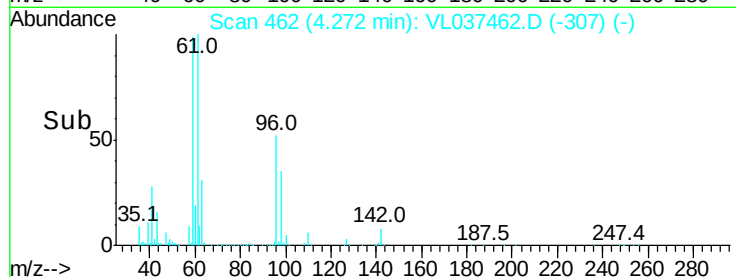
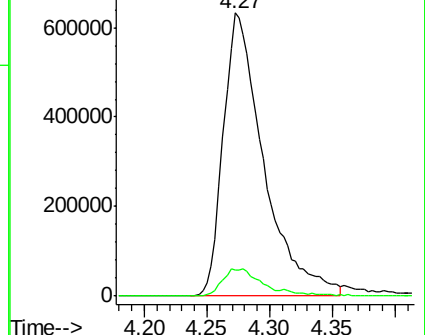
59 100

57 10.1 8.3 12.5



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 8.703 ppbv

RT: 4.28 min Scan# 464

Delta R.T. 0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

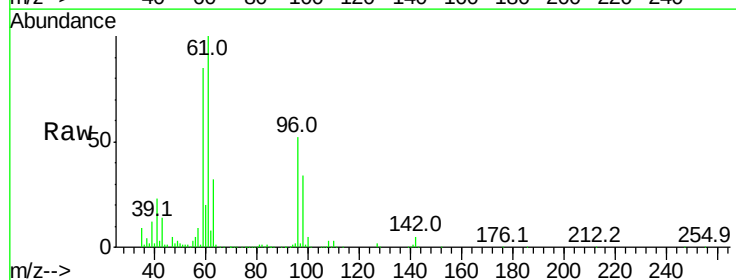
Tgt Ion: 96 Resp: 686242

Ion Ratio Lower Upper

96 100

61 191.1 151.1 226.7

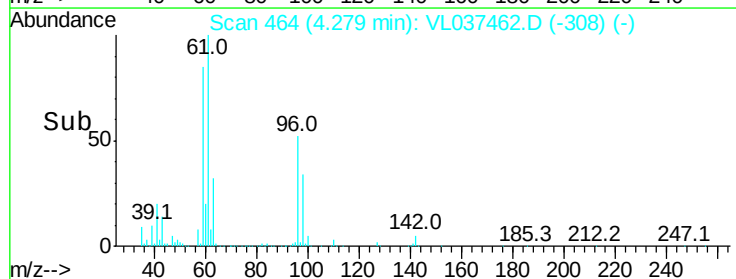
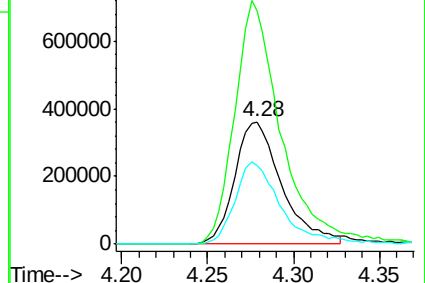
98 64.3 51.8 77.8

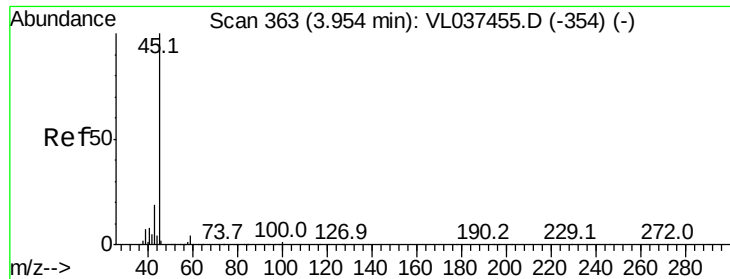


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 8.934 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

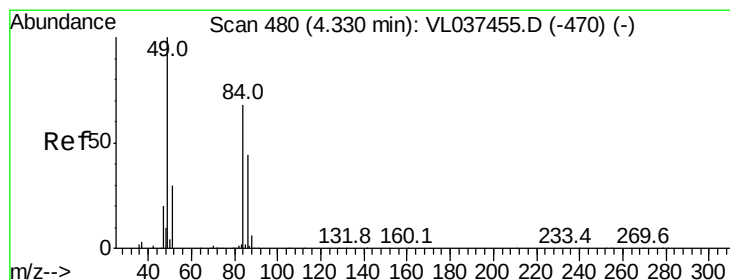
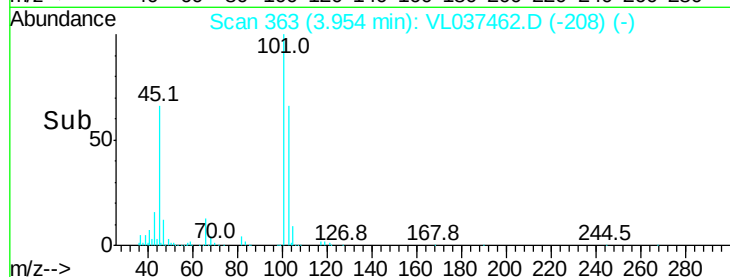
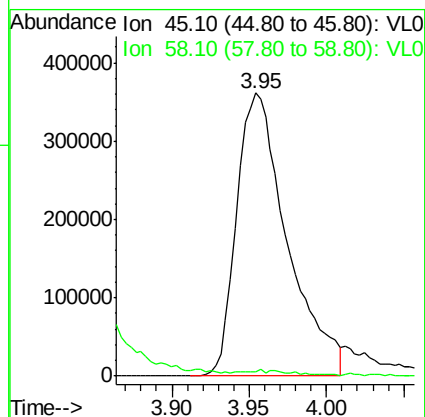
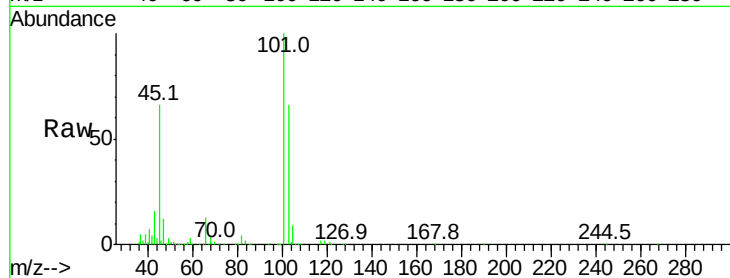
ICVVL081621

Tgt Ion: 45 Resp: 818157

Ion Ratio Lower Upper

45 100

58 2.6 1.4 2.2#



#20

Methylene Chloride

Concen: 7.481 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Tgt Ion: 84 Resp: 598774

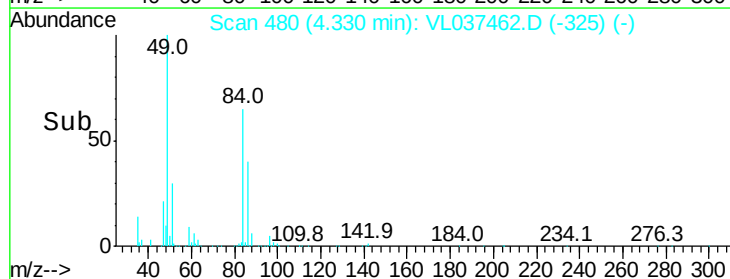
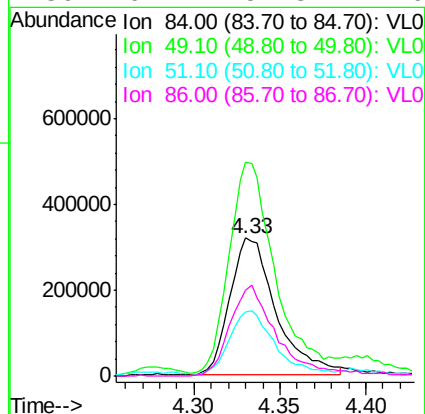
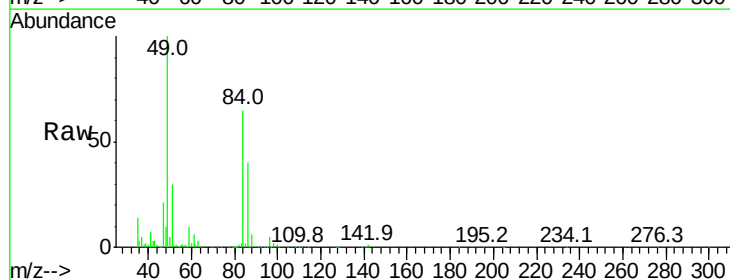
Ion Ratio Lower Upper

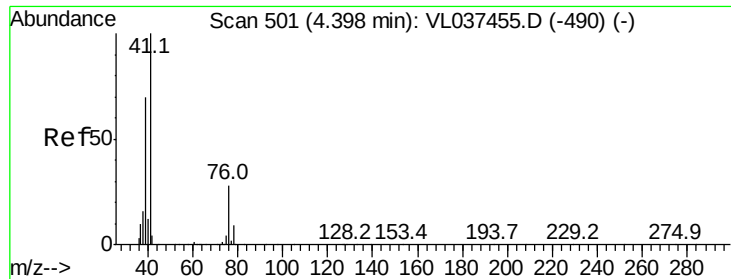
84 100

49 154.0 118.2 177.2

51 45.2 36.6 55.0

86 62.1 51.8 77.6





#21

Allyl Chloride

Concen: 8.445 ppbv

RT: 4.40 min Scan# 502

Delta R.T. 0.00 min

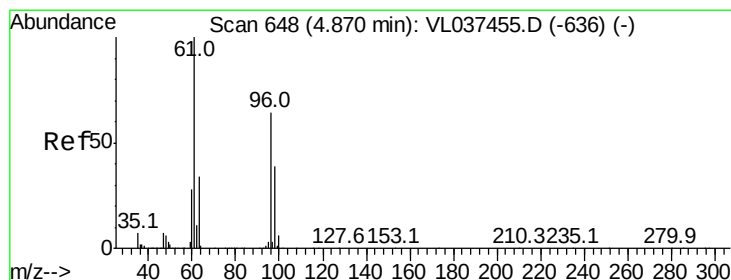
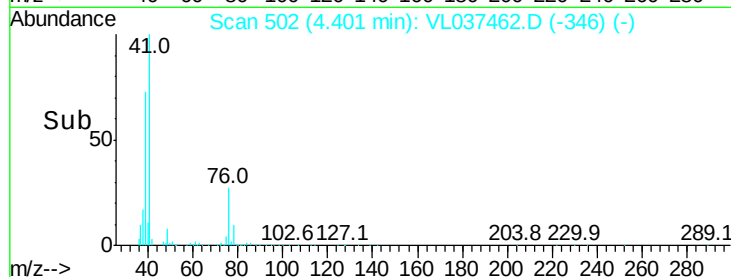
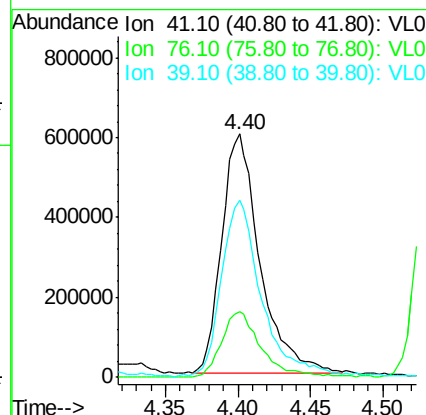
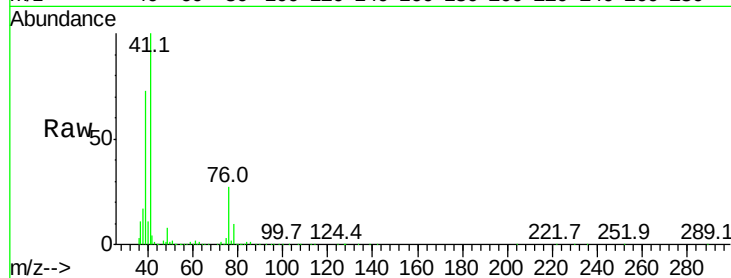
Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081621

Tgt Ion: 41 Resp: 1096416

Ion	Ratio	Lower	Upper
41	100		
76	28.6	21.8	32.6
39	77.2	56.8	85.2



#22

trans-1,2-Dichloroethene

Concen: 8.775 ppbv

RT: 4.87 min Scan# 649

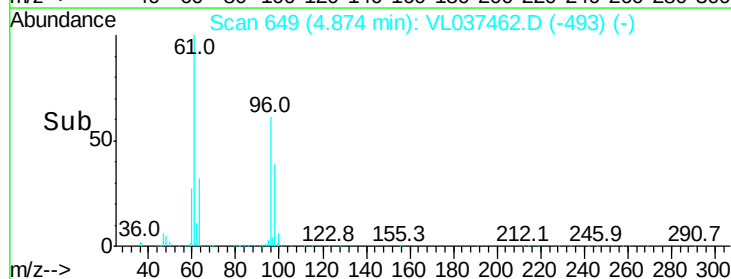
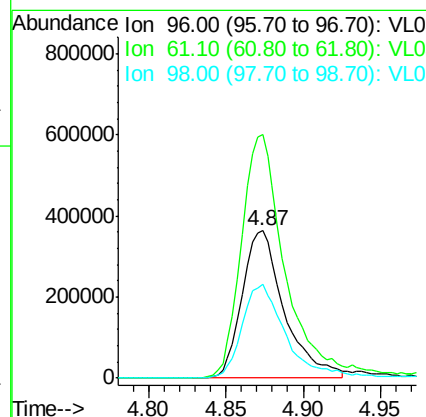
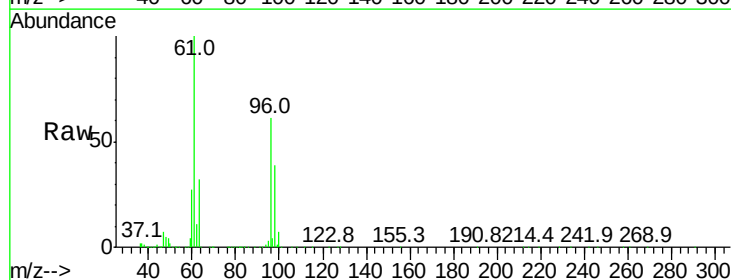
Delta R.T. 0.00 min

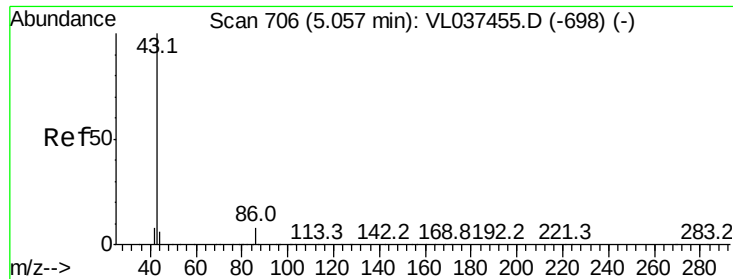
Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Tgt Ion: 96 Resp: 690345

Ion	Ratio	Lower	Upper
96	100		
61	165.1	125.5	188.3
98	63.8	49.0	73.4





#23

Vinyl Acetate

Concen: 9.288 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081621

Tgt Ion: 43 Resp: 2188456

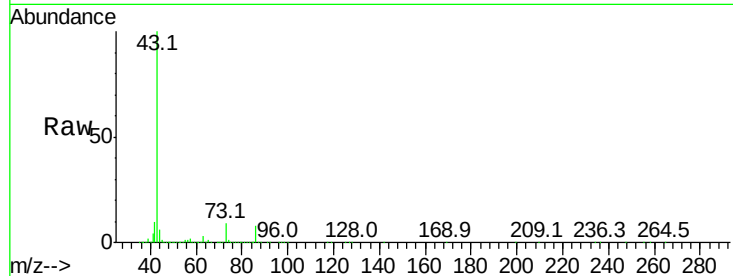
Ion Ratio Lower Upper

43 100

86 7.8 5.7 8.5

42 9.6 7.4 11.2

44 5.5 4.3 6.5

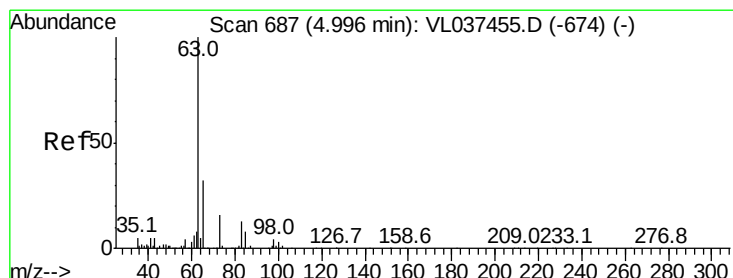
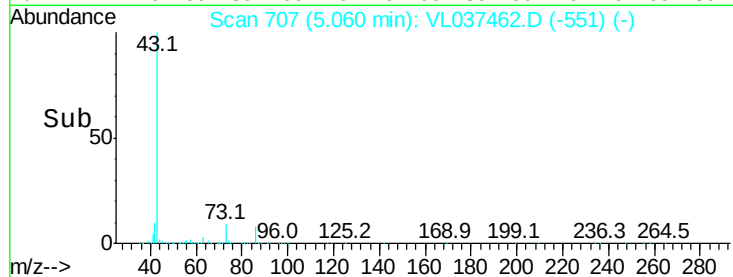
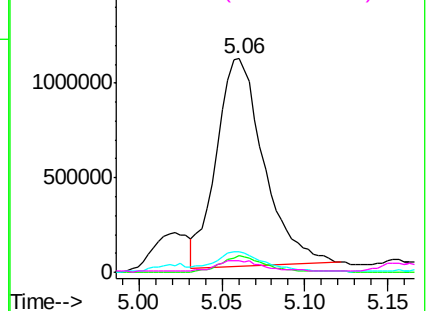


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.768 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

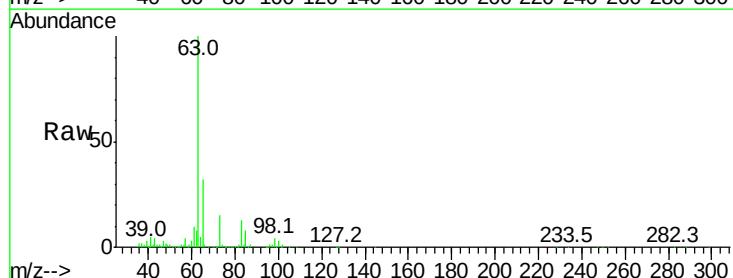
Tgt Ion: 63 Resp: 1498307

Ion Ratio Lower Upper

63 100

98 4.0 2.1 6.3

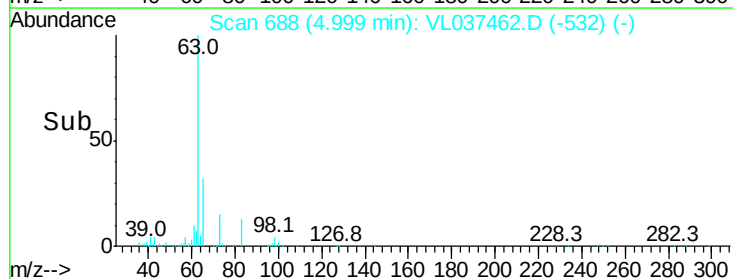
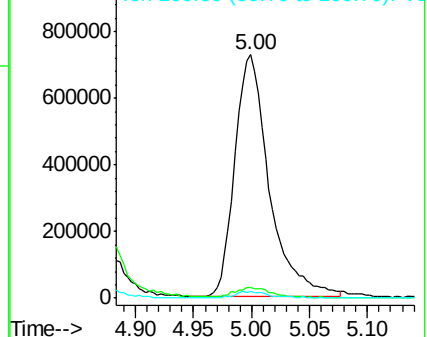
100 2.6 1.6 4.7

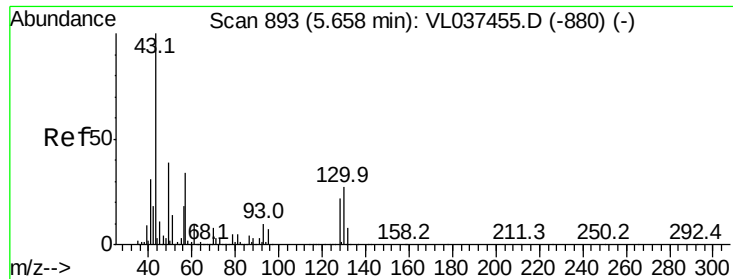


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



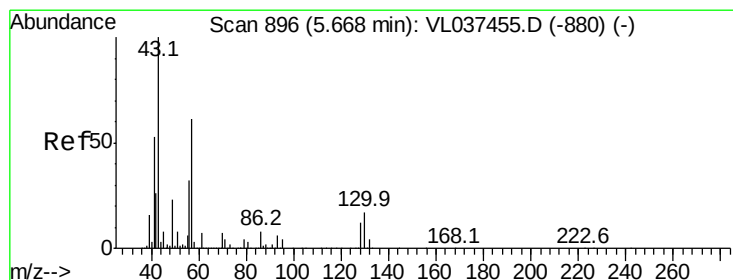
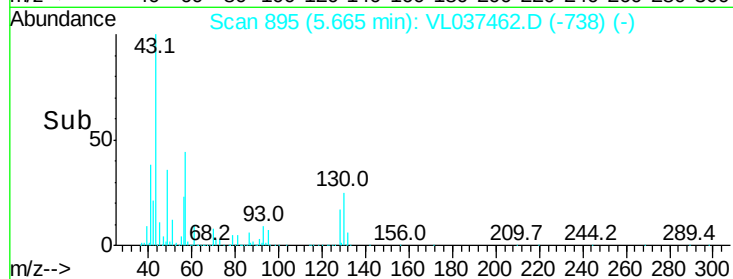
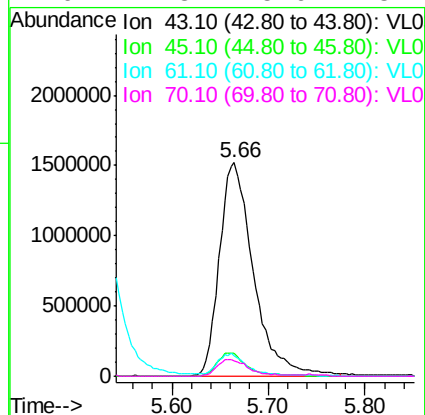
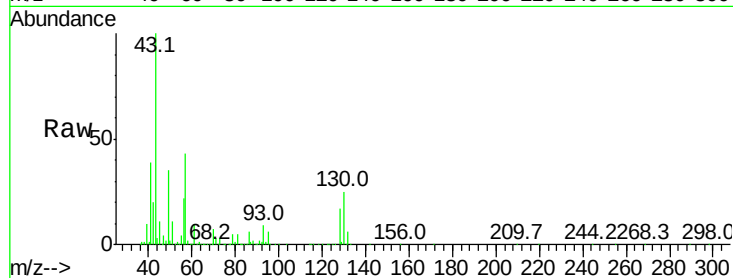


#25
Ethyl Acetate
Concen: 9.149 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.01 min
Lab File: VL037462.D
Acq: 16 Aug 2021 15:12

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081621

Tgt Ion: 43 Resp: 3712855

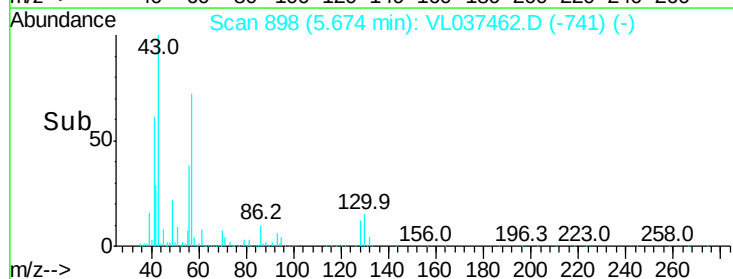
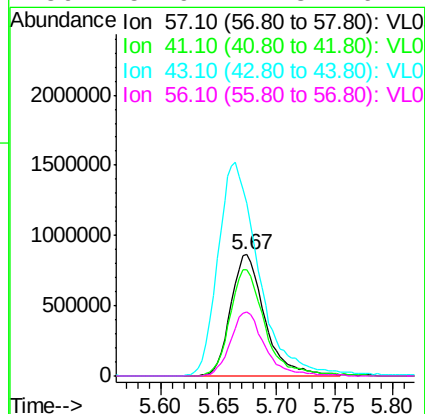
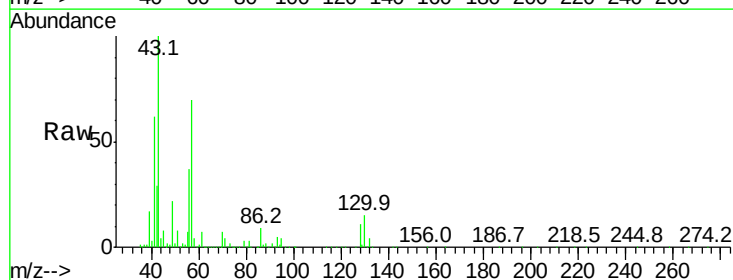
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.7	8.0	12.0
70	7.3	5.6	8.4

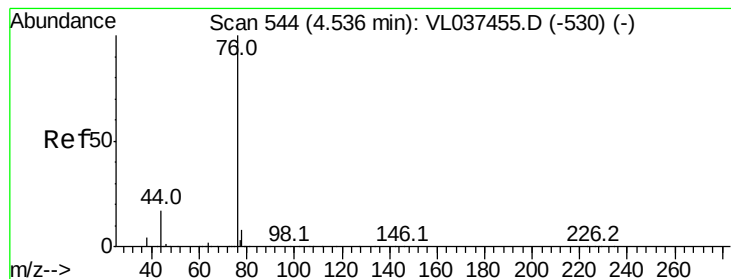


#26
Hexane
Concen: 8.934 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037462.D
Acq: 16 Aug 2021 15:12

Tgt Ion: 57 Resp: 1772712

Ion	Ratio	Lower	Upper
57	100		
41	90.2	72.3	108.5
43	211.8	172.3	258.5
56	52.9	42.8	64.2





#27

Carbon Disulfide

Concen: 9.501 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081621

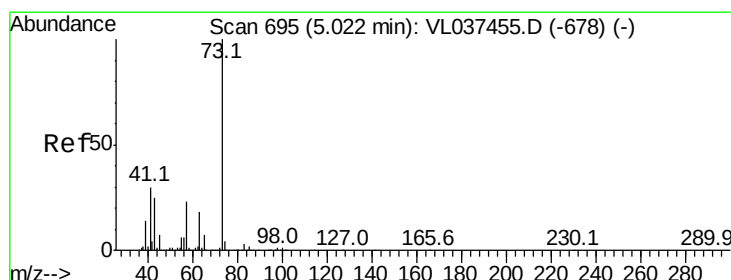
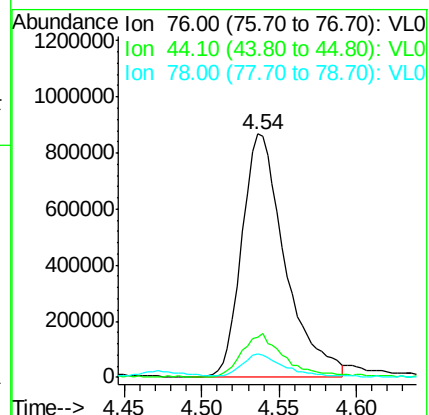
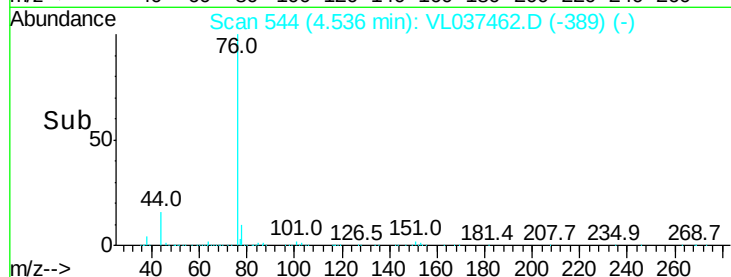
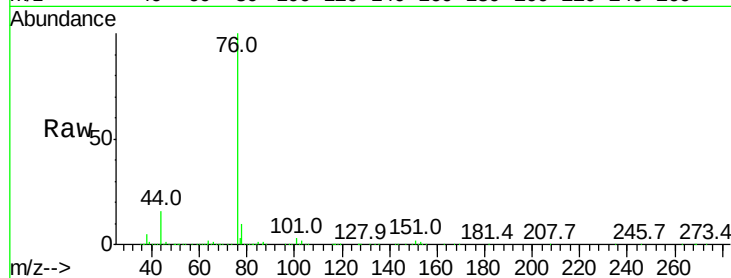
Tgt Ion: 76 Resp: 1680060

Ion Ratio Lower Upper

76 100

44 18.5 13.9 20.9

78 10.0 7.9 11.9



#28

Methyl tert-Butyl Ether

Concen: 9.252 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL037462.D

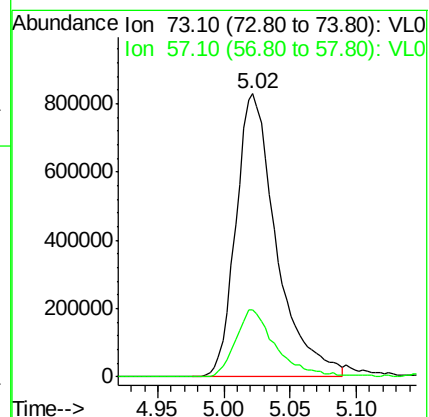
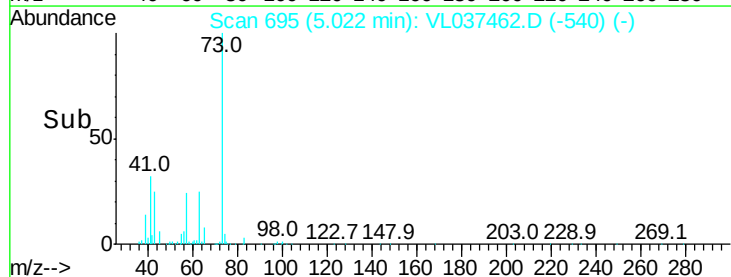
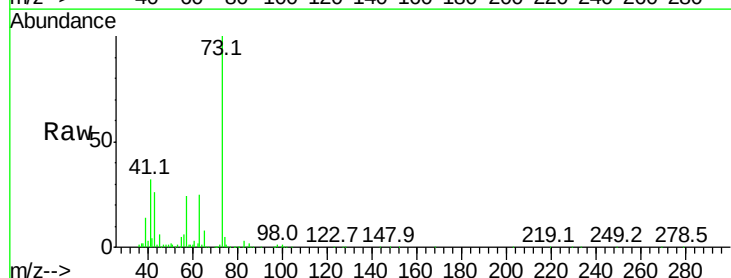
Acq: 16 Aug 2021 15:12

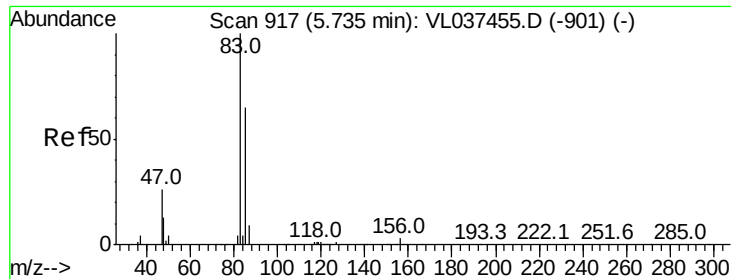
Tgt Ion: 73 Resp: 1762977

Ion Ratio Lower Upper

73 100

57 23.9 19.4 29.2





#29

Chloroform

Concen: 8.868 ppbv

RT: 5.74 min Scan# 918

Delta R.T. 0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

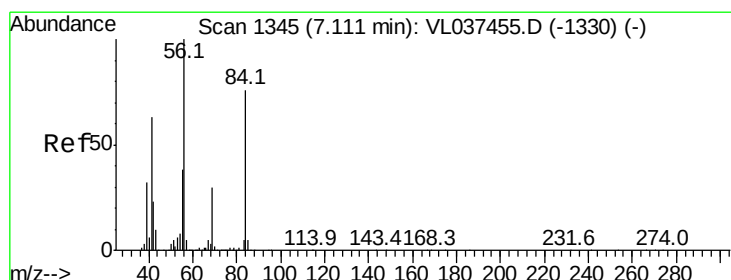
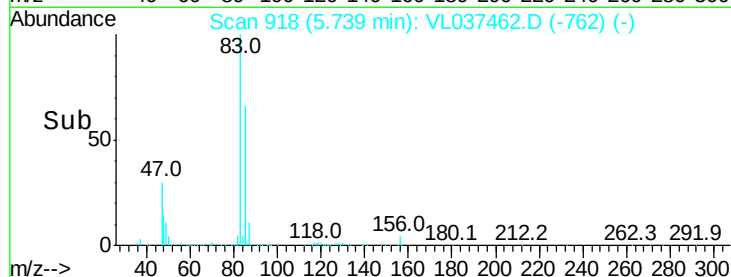
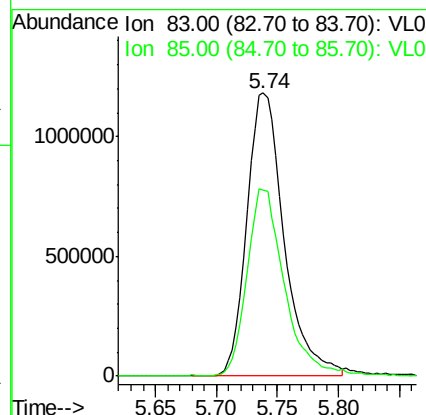
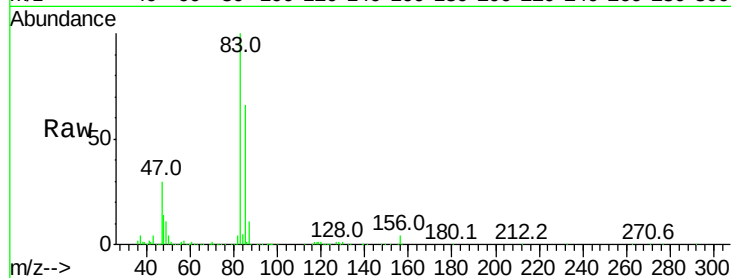
ICVVL081621

Tgt Ion: 83 Resp: 2493724

Ion Ratio Lower Upper

83 100

85 65.4 52.3 78.5



#30

Cyclohexane

Concen: 9.127 ppbv

RT: 7.11 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

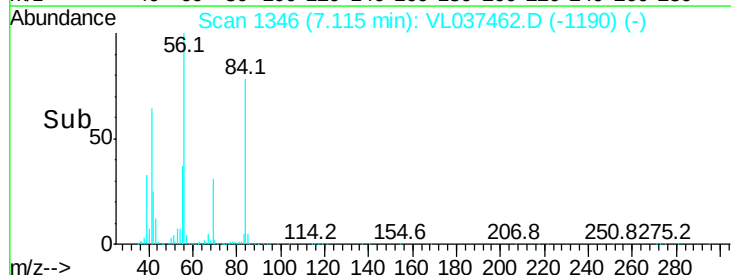
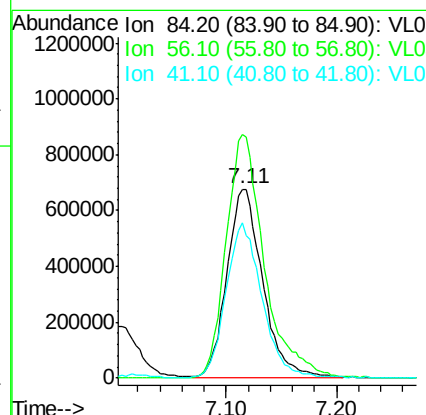
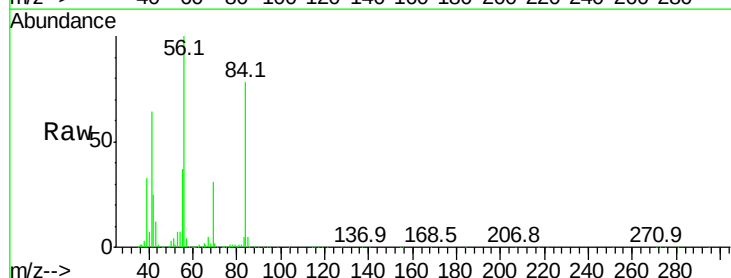
Tgt Ion: 84 Resp: 1508837

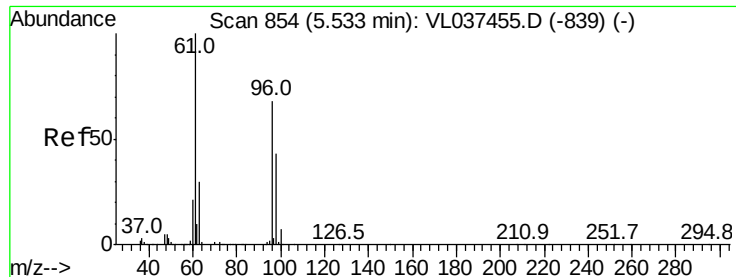
Ion Ratio Lower Upper

84 100

56 139.7 110.6 165.8

41 83.3 67.0 100.6





#31

cis-1,2-Dichloroethene

Concen: 9.463 ppbv

RT: 5.53 min Scan# 854

Delta R.T. -0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081621

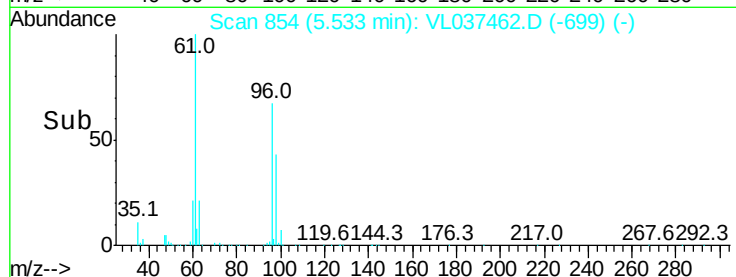
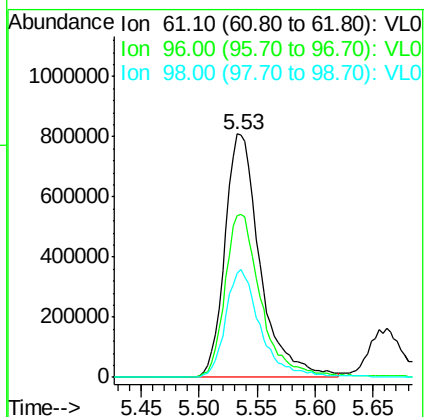
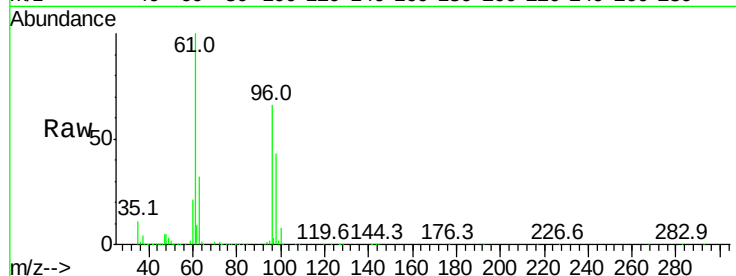
Tgt Ion: 61 Resp: 1699362

Ion Ratio Lower Upper

61 100

96 66.3 54.8 82.2

98 42.8 34.2 51.2



#32

1,1,1-Trichloroethane

Concen: 8.992 ppbv

RT: 6.50 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

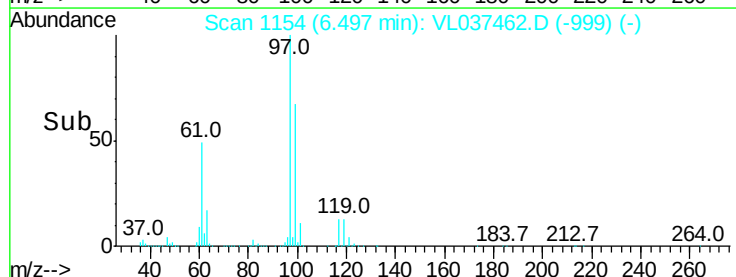
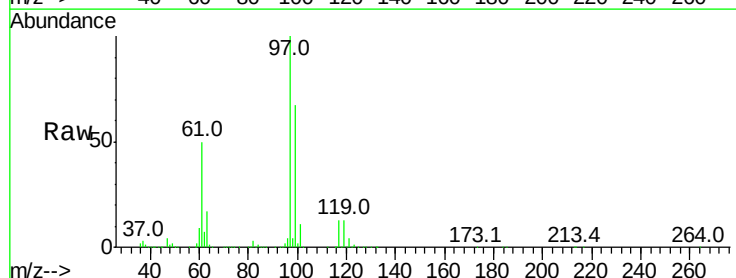
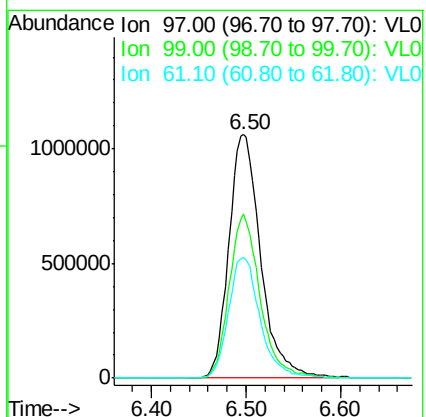
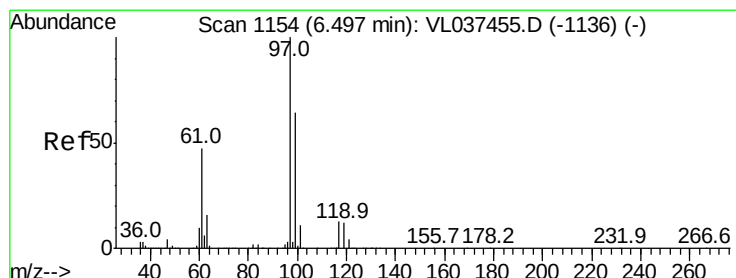
Tgt Ion: 97 Resp: 2484364

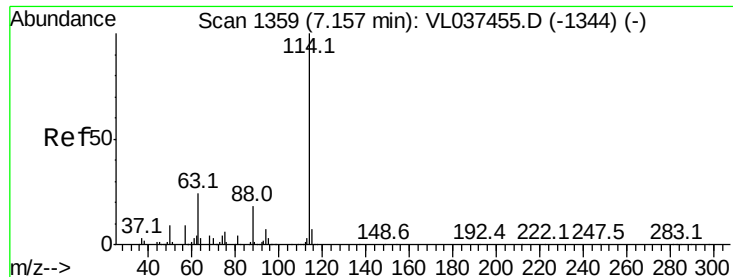
Ion Ratio Lower Upper

97 100

99 65.6 51.8 77.6

61 49.2 39.6 59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. 0.01 min

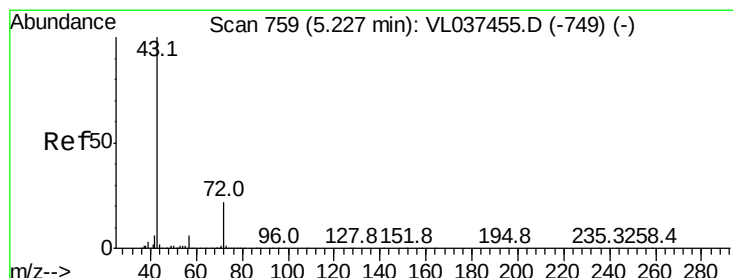
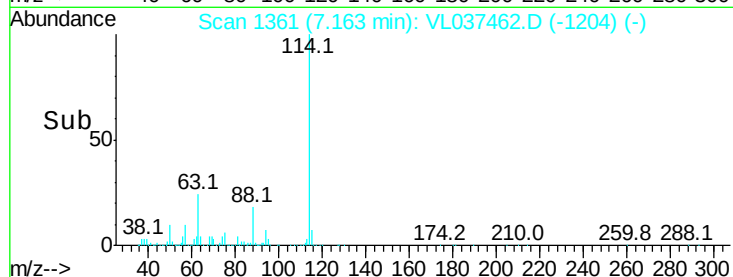
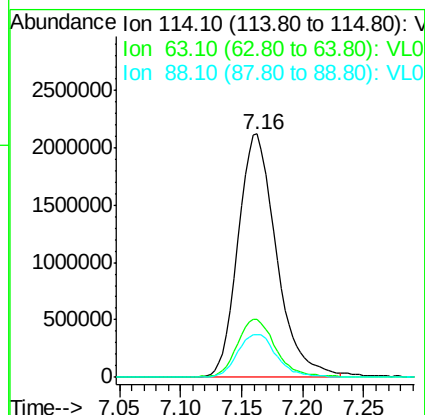
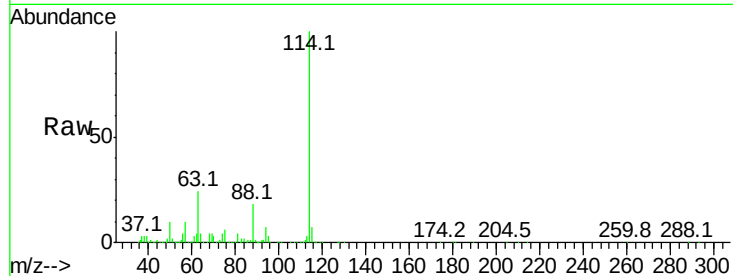
Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :
MSVOA_L
ClientSampleId :
ICVVL081621

Tgt Ion:114 Resp: 4617746

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.3	28.9
88	18.3	14.2	21.4



#34

2-Butanone

Concen: 9.057 ppbv

RT: 5.23 min Scan# 760

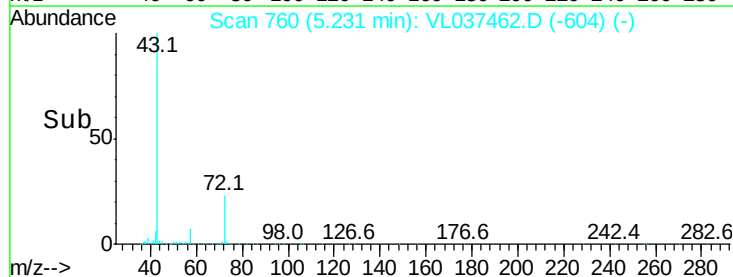
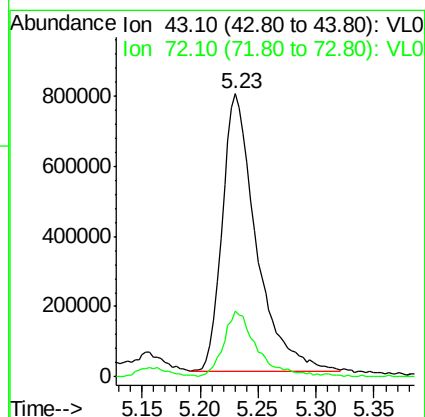
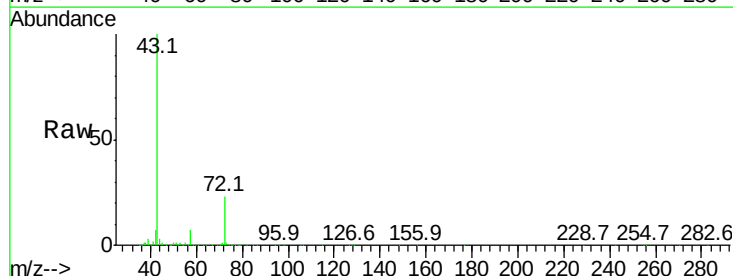
Delta R.T. 0.00 min

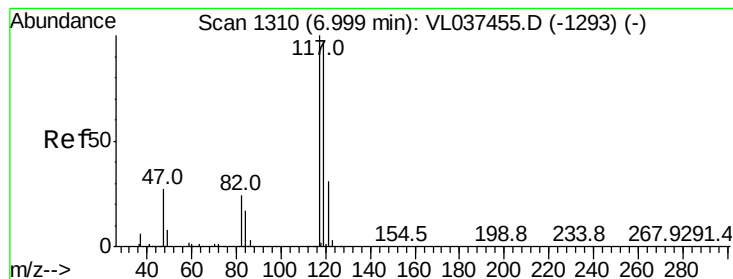
Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Tgt Ion: 43 Resp: 1603588

Ion	Ratio	Lower	Upper
43	100		
72	24.1	17.4	26.0





#35

Carbon Tetrachloride

Concen: 9.422 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. 0.01 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081621

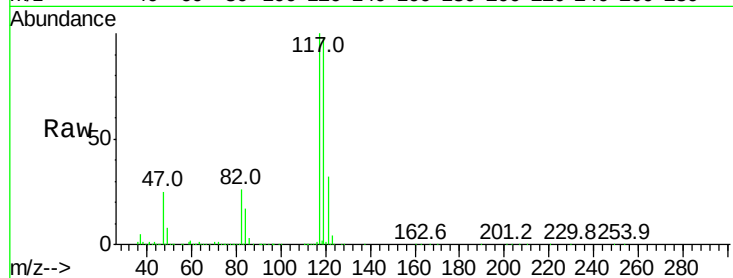
Tgt Ion:117 Resp: 2571258

Ion Ratio Lower Upper

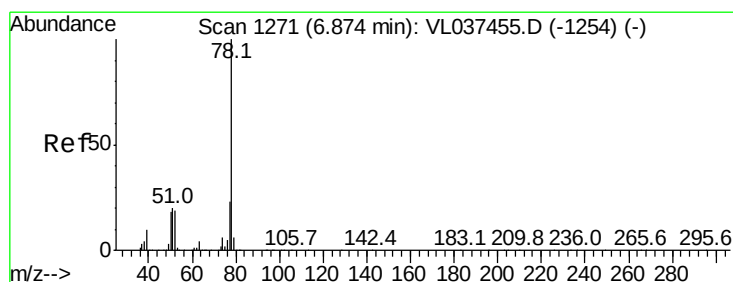
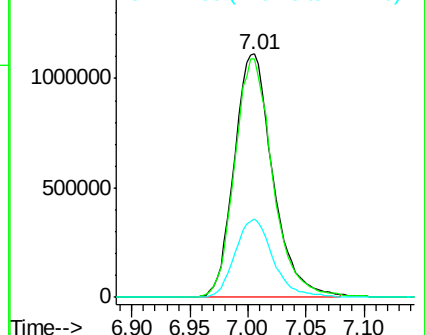
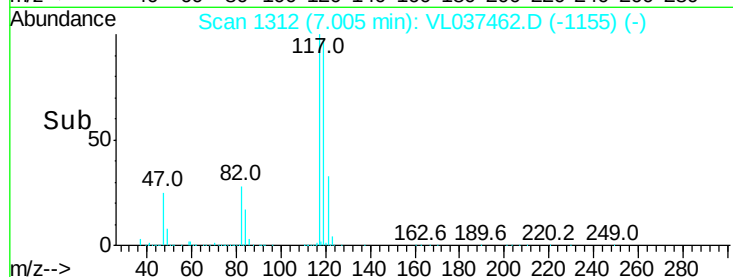
117 100

119 98.2 77.3 115.9

121 32.2 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: 9.455 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

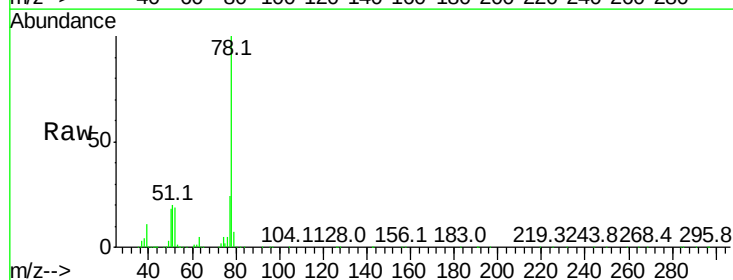
Tgt Ion: 78 Resp: 3670403

Ion Ratio Lower Upper

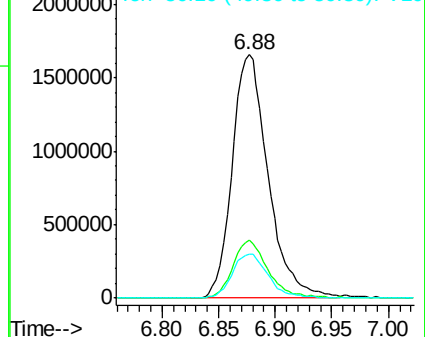
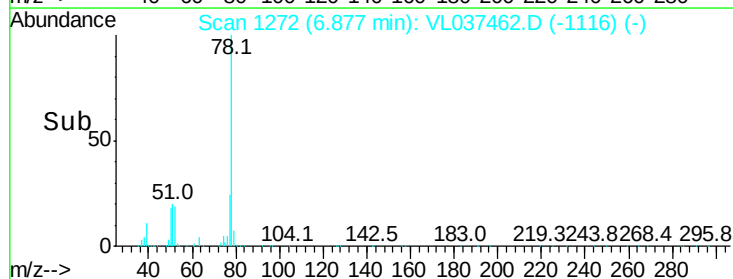
78 100

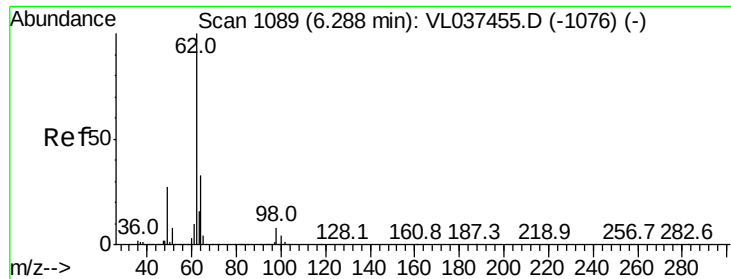
77 23.7 18.2 27.4

50 18.0 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: 9.470 ppbv

RT: 6.29 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

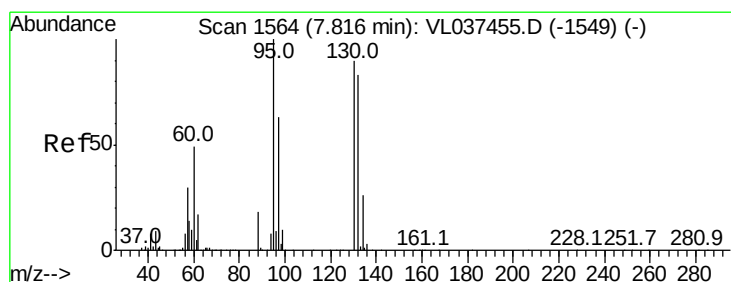
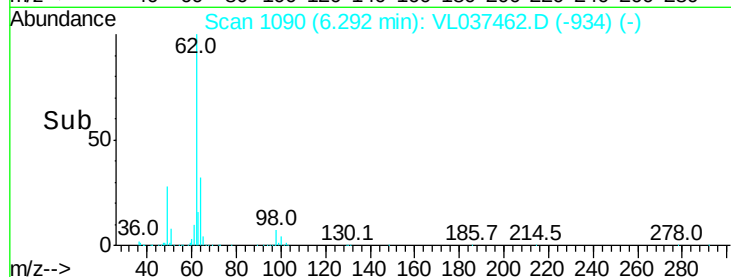
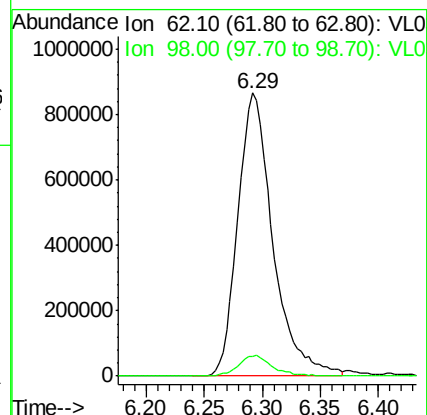
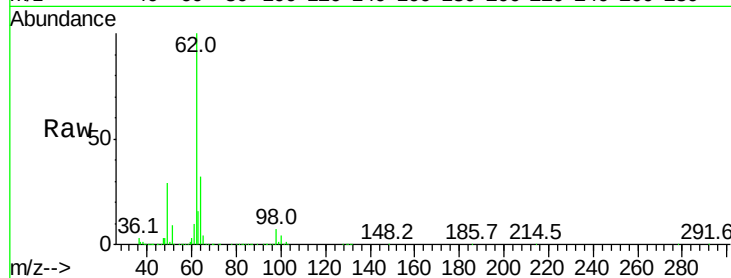
ICVVL081621

Tgt Ion: 62 Resp: 1820934

Ion Ratio Lower Upper

62 100

98 7.3 6.0 9.0



#38

Trichloroethene

Concen: 9.019 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Tgt Ion: 130 Resp: 1436506

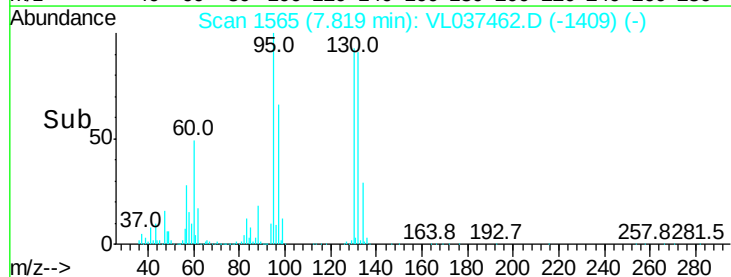
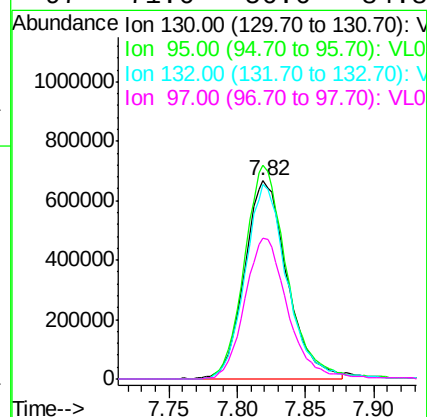
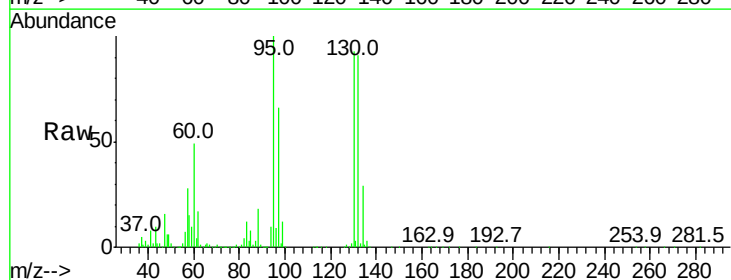
Ion Ratio Lower Upper

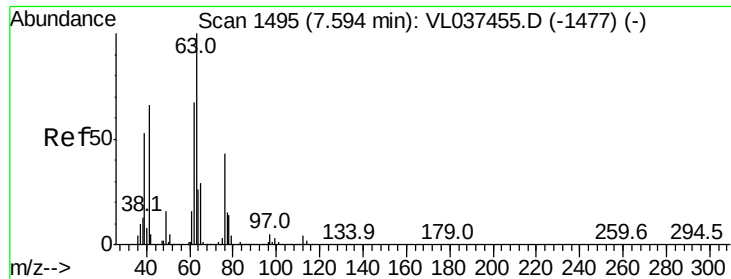
130 100

95 108.2 89.2 133.8

132 98.5 74.0 111.0

97 71.6 56.6 84.8

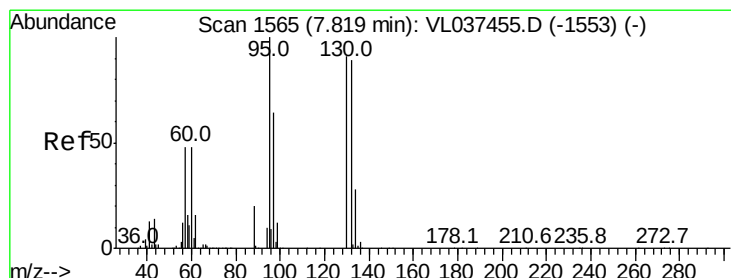
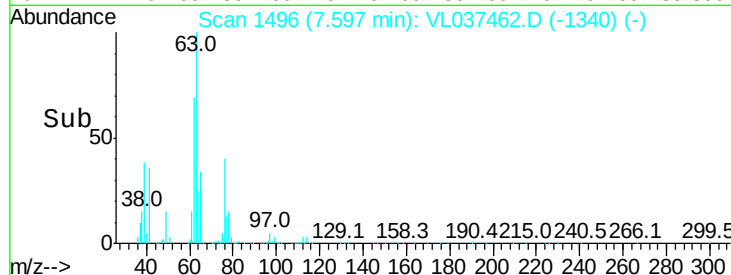
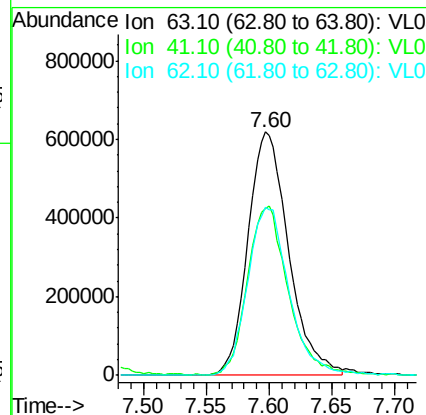
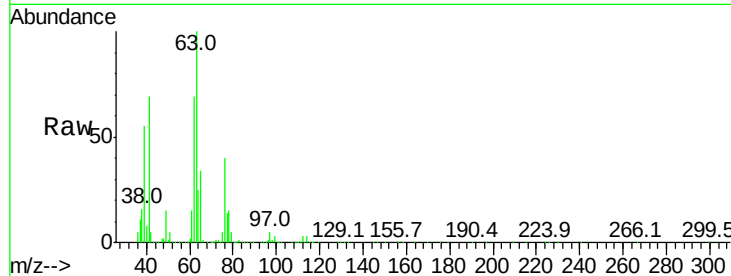




#39
 1,2-Dichloropropane
 Concen: 9.334 ppbv
 RT: 7.60 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VL037462.D
 Acq: 16 Aug 2021 15:12

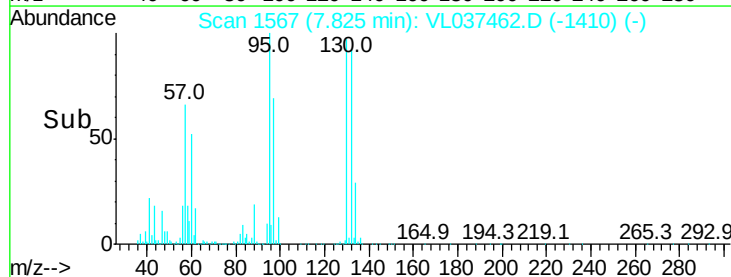
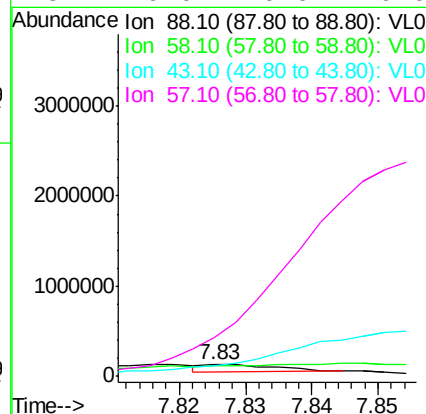
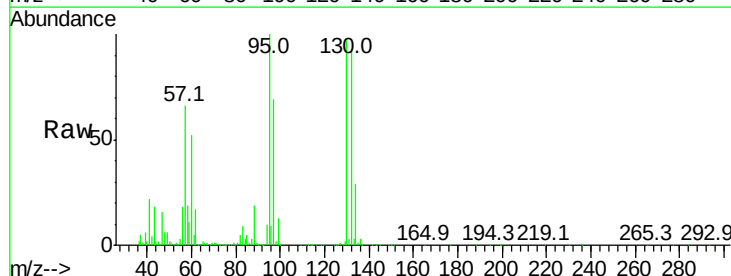
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081621

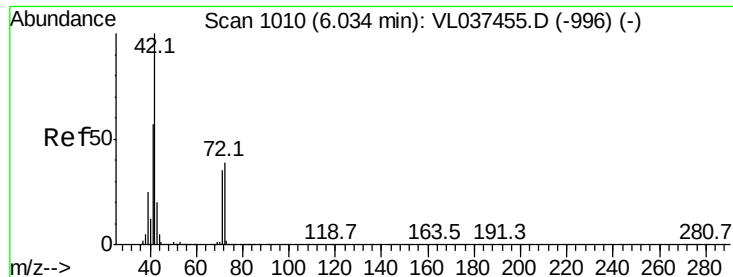
Tgt Ion: 63 Resp: 1392337
 Ion Ratio Lower Upper
 63 100
 41 68.3 52.4 78.6
 62 69.0 53.6 80.4



#40
 1,4-Dioxane
 Concen: 1.649 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VL037462.D
 Acq: 16 Aug 2021 15:12

Tgt Ion: 88 Resp: 60260
 Ion Ratio Lower Upper
 88 100
 58 0.0 0.0 0.0
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 9.675 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081621

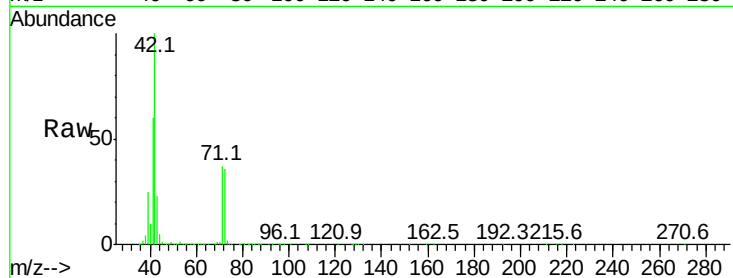
Tgt Ion: 42 Resp: 878822

Ion Ratio Lower Upper

42 100

72 39.8 32.2 48.4

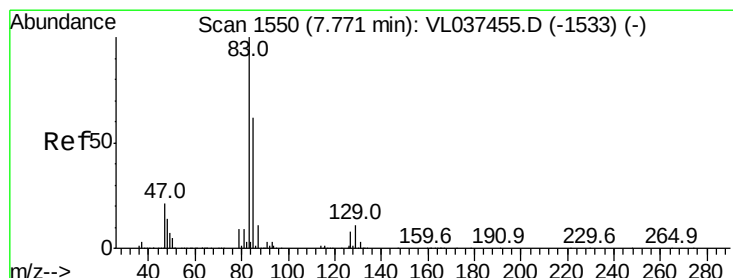
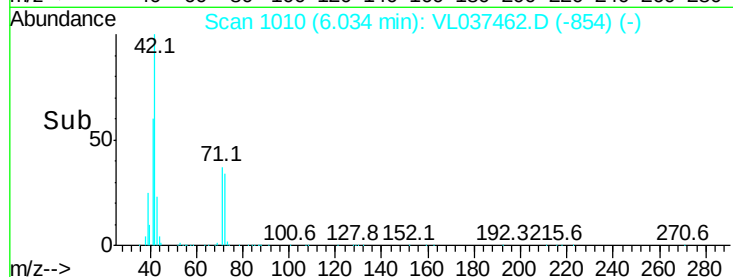
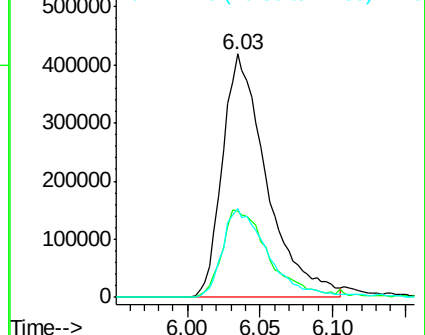
71 38.9 30.5 45.7



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.720 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. 0.01 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

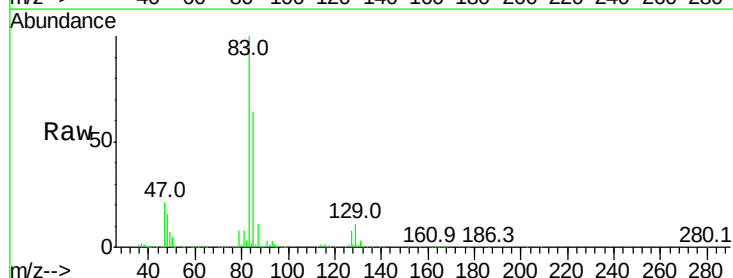
Tgt Ion: 83 Resp: 2732830

Ion Ratio Lower Upper

83 100

85 63.9 49.5 74.3

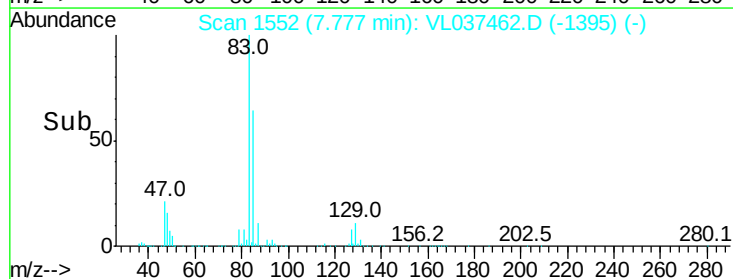
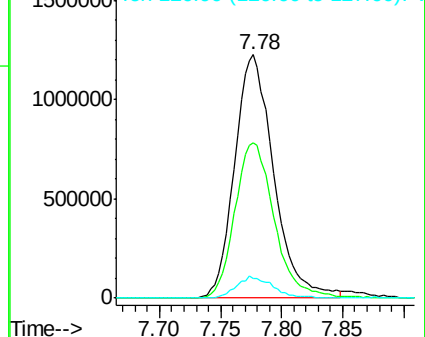
127 8.2 6.3 9.5

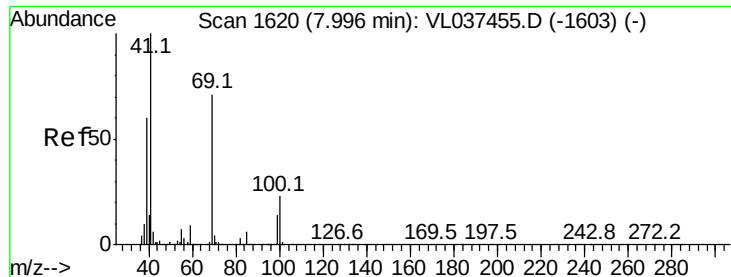


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

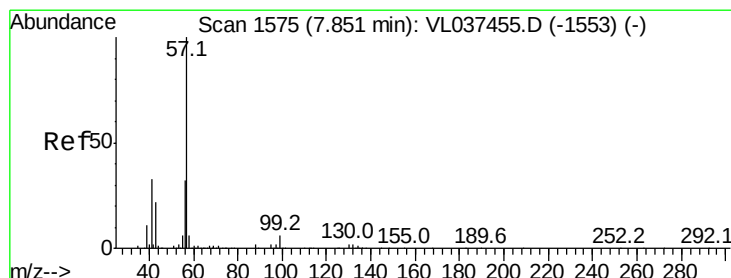
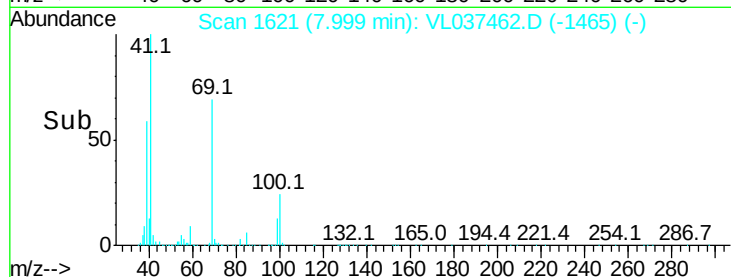
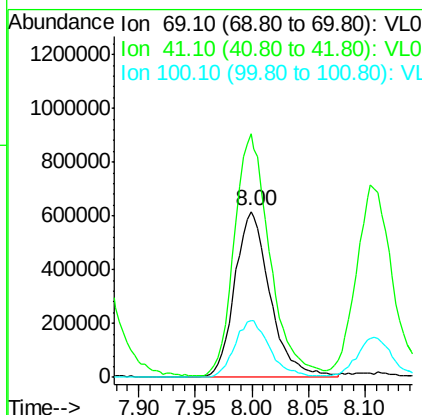
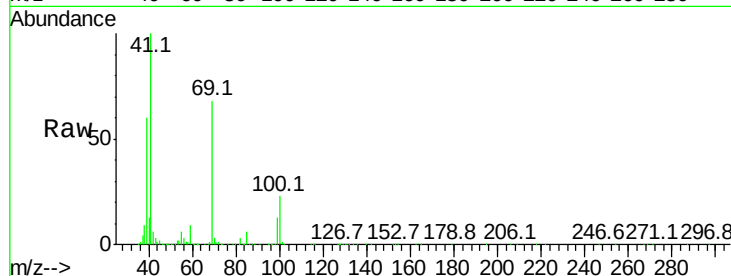




#43
Methyl Methacrylate
Concen: 9.911 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL037462.D
Acq: 16 Aug 2021 15:12

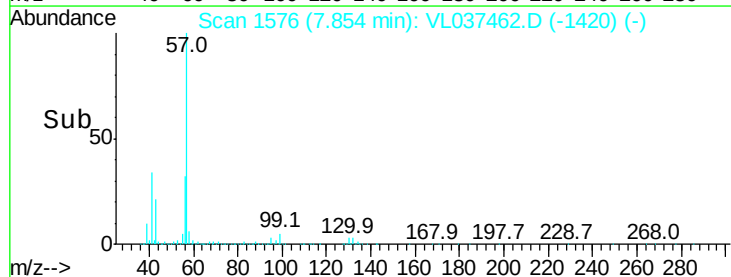
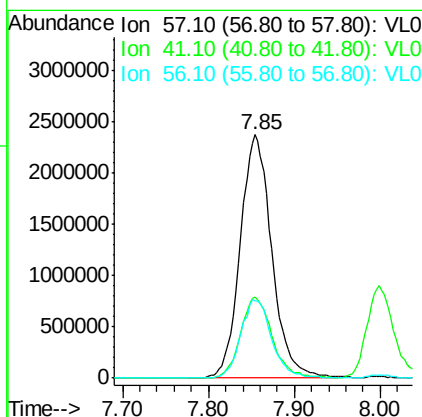
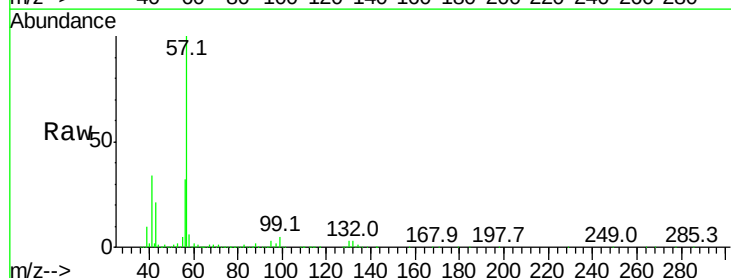
Instrument :
MSVOA_L
ClientSampleId :
ICVVL081621

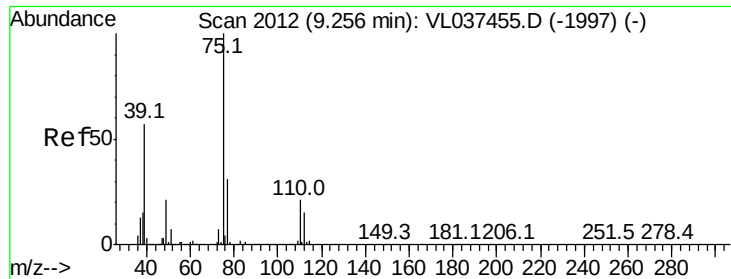
Tgt Ion: 69 Resp: 1340996
Ion Ratio Lower Upper
69 100
41 147.6 118.6 178.0
100 34.2 27.4 41.0



#44
2,2,4-Trimethylpentane
Concen: 9.272 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL037462.D
Acq: 16 Aug 2021 15:12

Tgt Ion: 57 Resp: 6057602
Ion Ratio Lower Upper
57 100
41 33.2 26.2 39.4
56 31.7 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 8.941 ppbv

RT: 9.26 min Scan# 2014

Delta R.T. 0.01 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

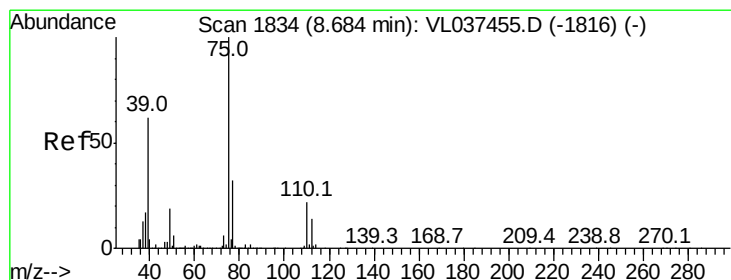
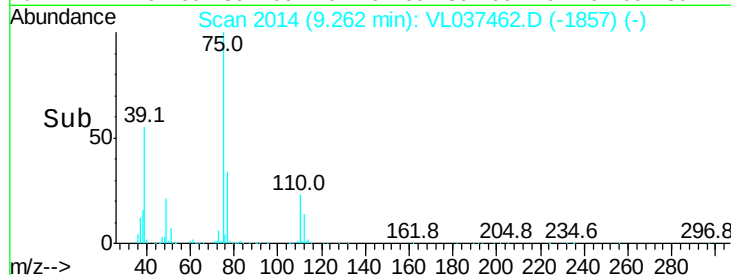
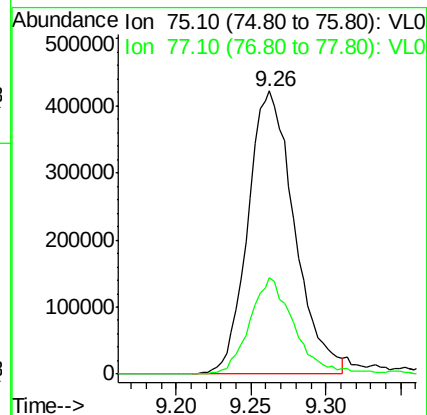
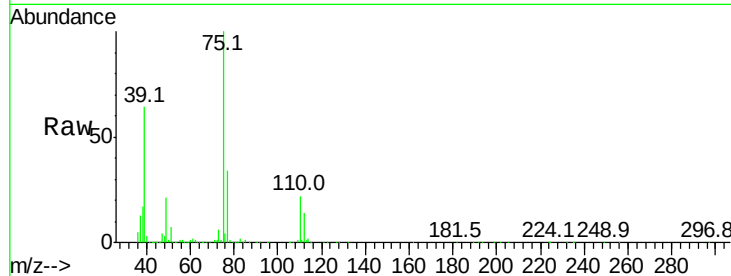
ICVVL081621

Tgt Ion: 75 Resp: 910654

Ion Ratio Lower Upper

75 100

77 34.0 24.5 36.7



#46

cis-1,3-Dichloropropene

Concen: 8.531 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

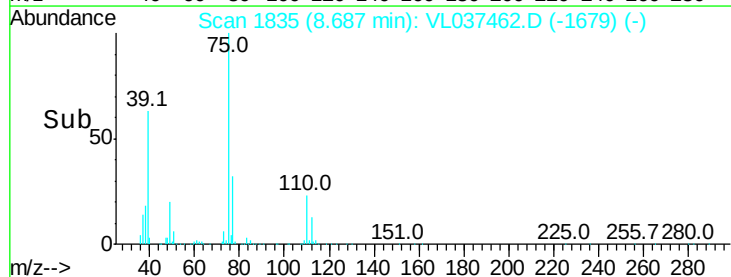
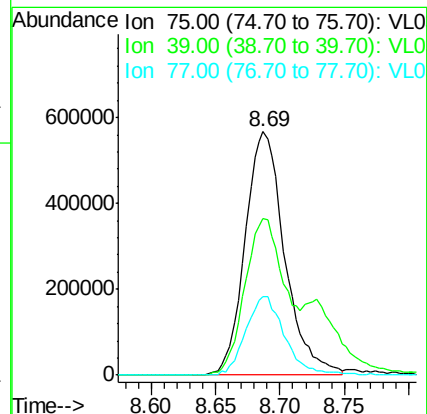
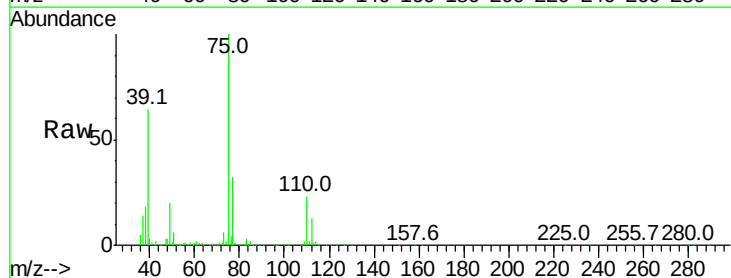
Tgt Ion: 75 Resp: 1212074

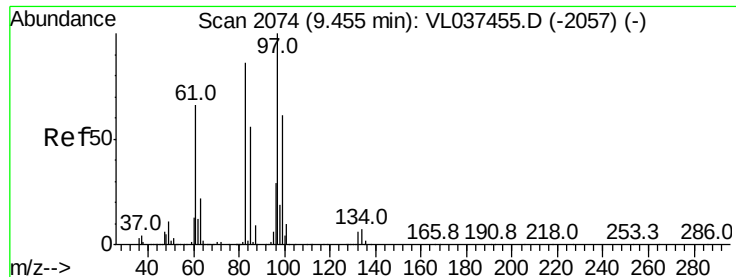
Ion Ratio Lower Upper

75 100

39 64.1 49.7 74.5

77 32.1 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 9.077 ppbv

RT: 9.46 min Scan# 2076

Delta R.T. 0.01 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081621

Tgt Ion: 97 Resp: 1462946

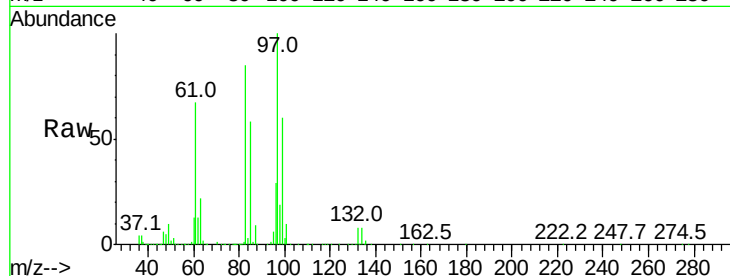
Ion Ratio Lower Upper

97 100

83 84.6 68.7 103.1

85 57.6 44.7 67.1

99 59.8 48.6 72.8

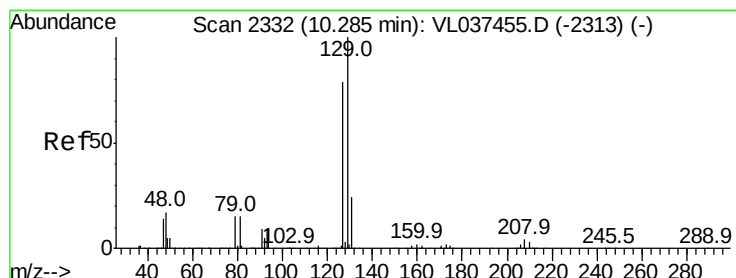
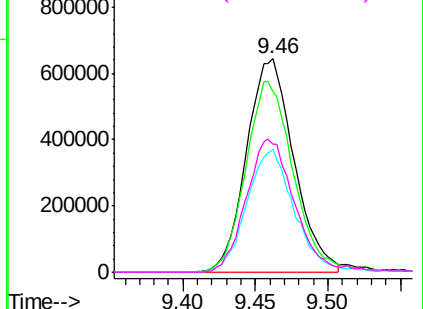
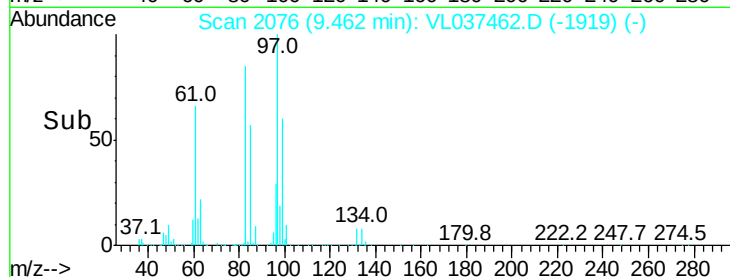


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.166 ppbv

RT: 10.29 min Scan# 2333

Delta R.T. 0.00 min

Lab File: VL037462.D

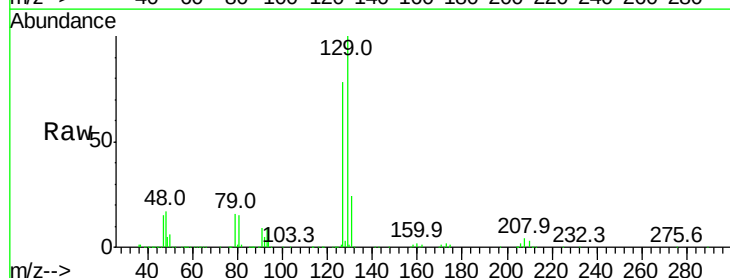
Acq: 16 Aug 2021 15:12

Tgt Ion: 129 Resp: 2357911

Ion Ratio Lower Upper

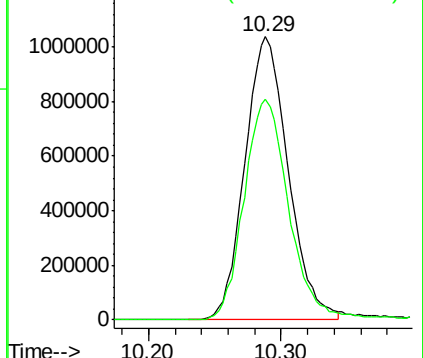
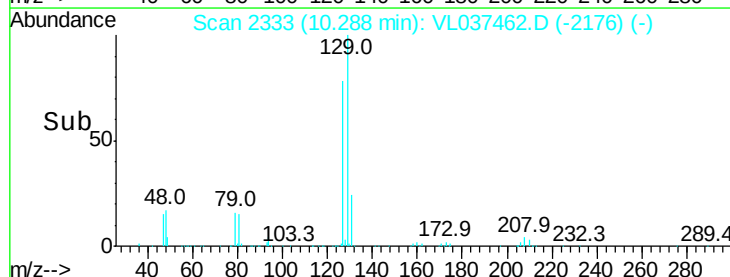
129 100

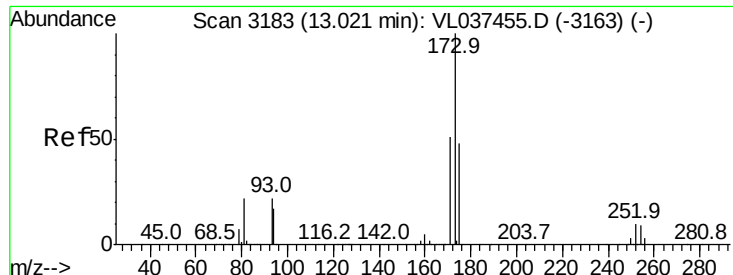
127 81.8 40.0 120.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.615 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081621

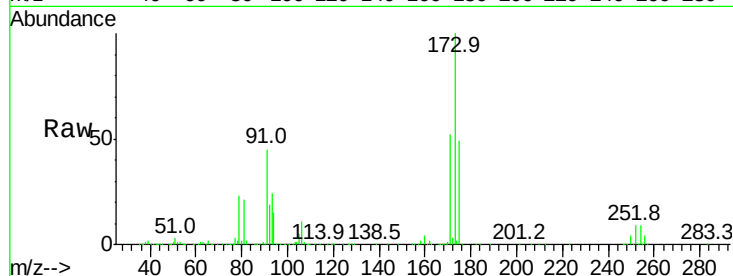
Tgt Ion:173 Resp: 1940781

Ion Ratio Lower Upper

173 100

175 52.2 41.9 62.9

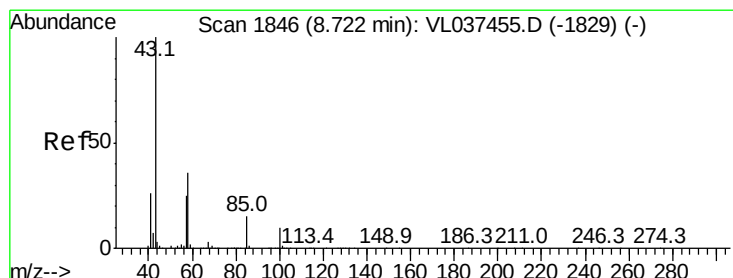
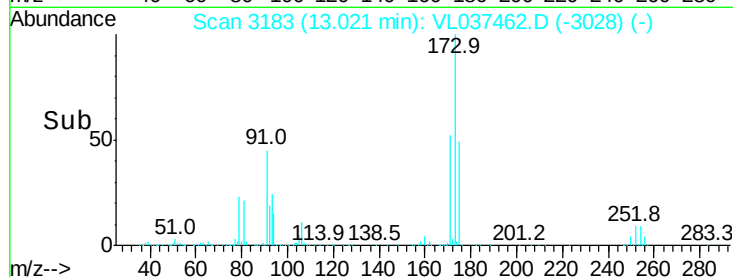
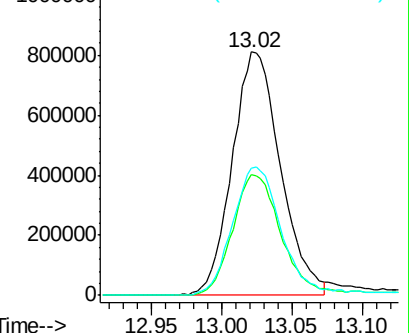
171 54.0 44.2 66.4



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: 9.916 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VL037462.D

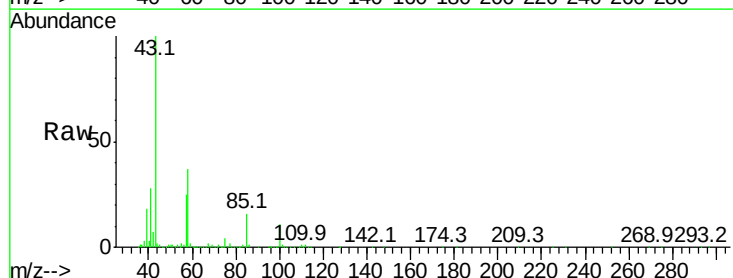
Acq: 16 Aug 2021 15:12

Tgt Ion: 43 Resp: 2439250

Ion Ratio Lower Upper

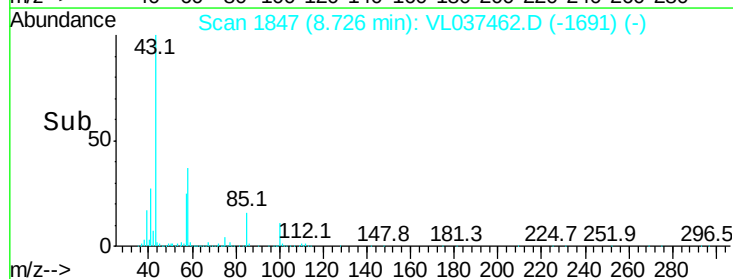
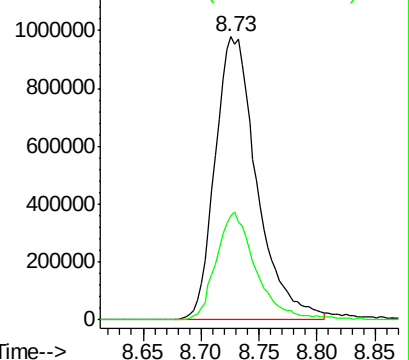
43 100

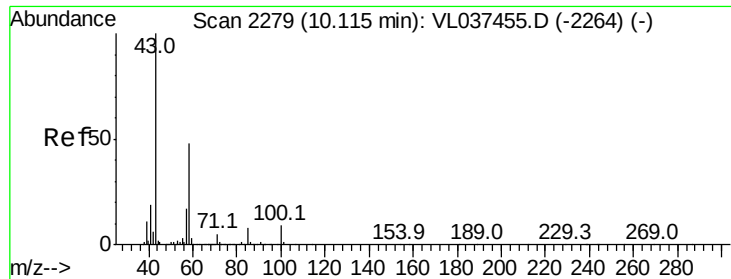
58 36.7 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.210 ppbv

RT: 10.12 min Scan# 2281

Delta R.T. 0.01 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081621

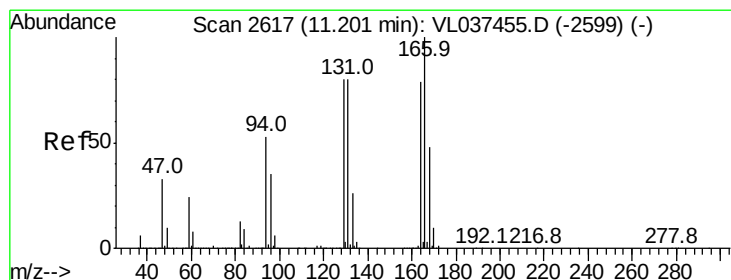
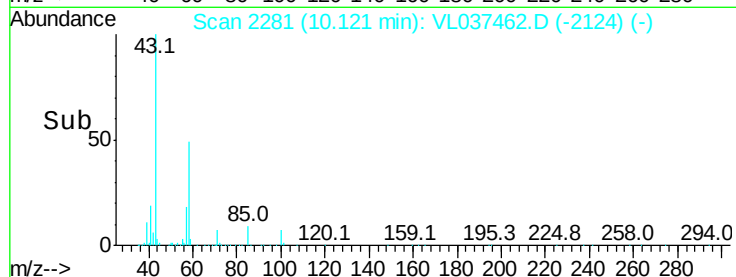
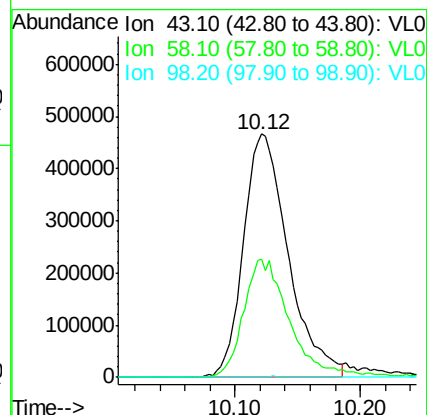
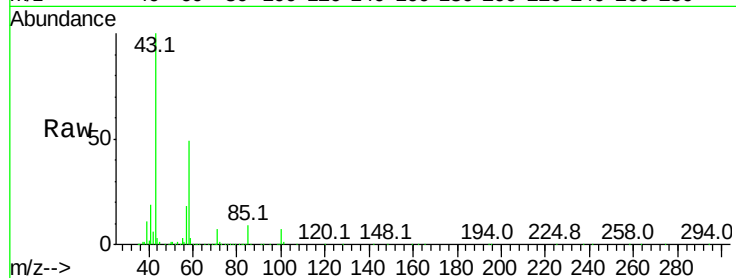
Tgt Ion: 43 Resp: 1155340

Ion Ratio Lower Upper

43 100

58 51.1 41.0 61.6

98 0.5 0.3 0.5#



#52

Tetrachloroethene

Concen: 8.502 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. 0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Tgt Ion: 164 Resp: 1352482

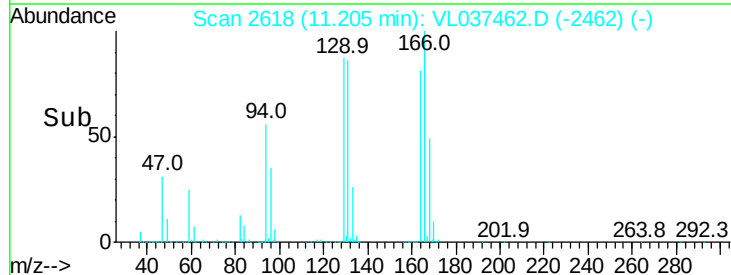
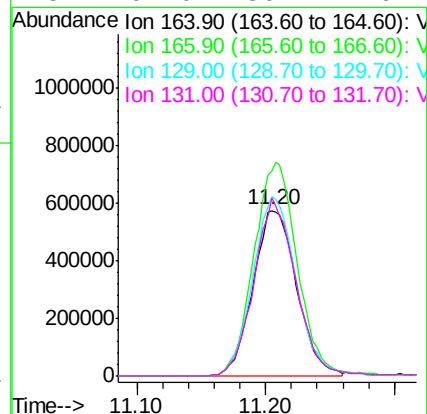
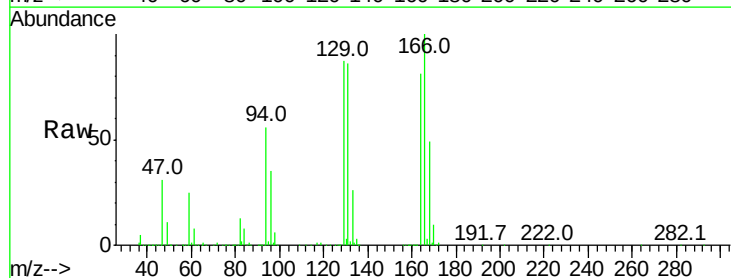
Ion Ratio Lower Upper

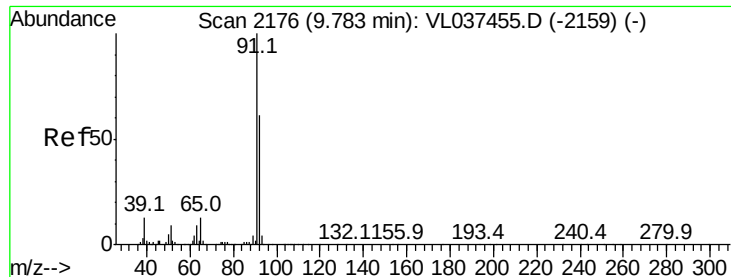
164 100

166 123.8 100.7 151.1

129 108.2 80.9 121.3

131 107.0 80.2 120.4





#53

Toluene

Concen: 9.602 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

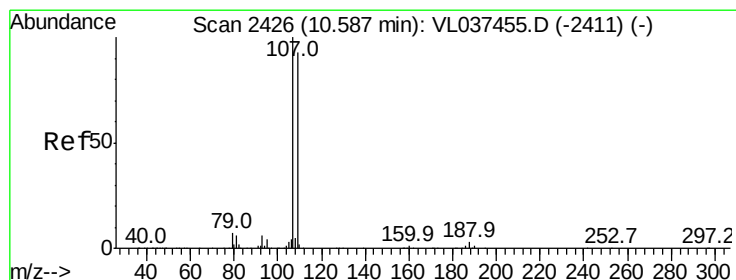
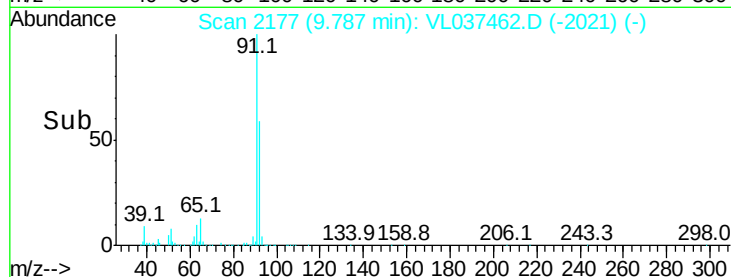
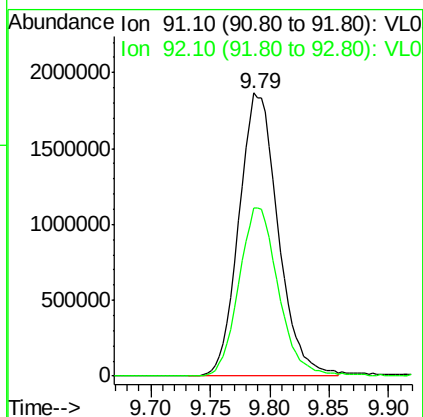
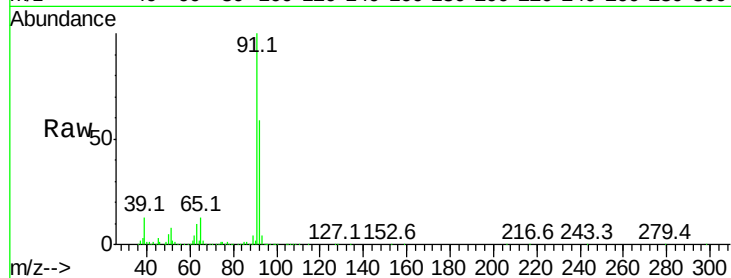
ICVVL081621

Tgt Ion: 91 Resp: 4256098

Ion Ratio Lower Upper

91 100

92 60.8 48.8 73.2



#54

1,2-Dibromoethane

Concen: 9.337 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.01 min

Lab File: VL037462.D

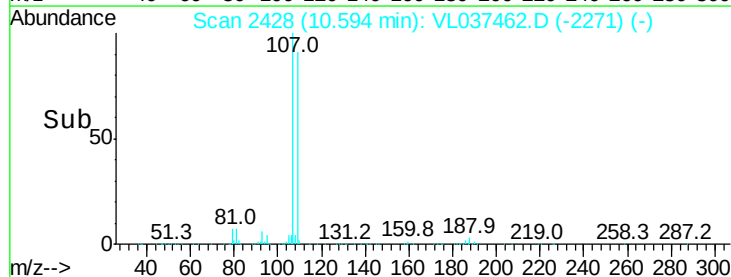
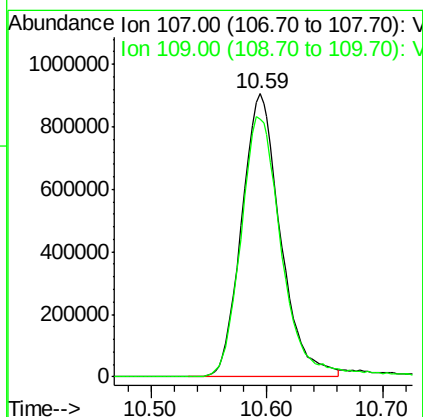
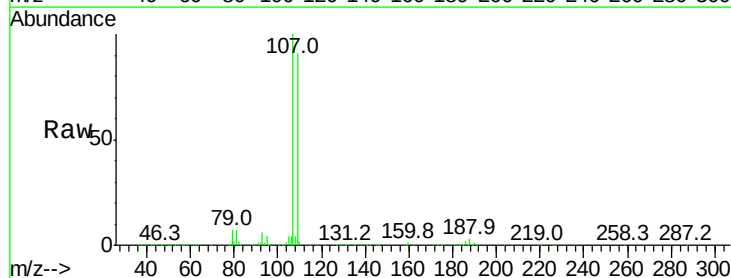
Acq: 16 Aug 2021 15:12

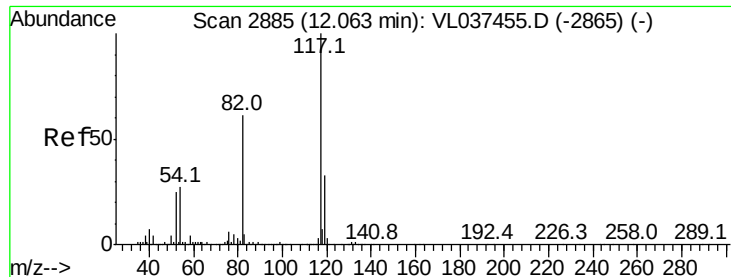
Tgt Ion: 107 Resp: 2100813

Ion Ratio Lower Upper

107 100

109 91.0 74.2 111.4

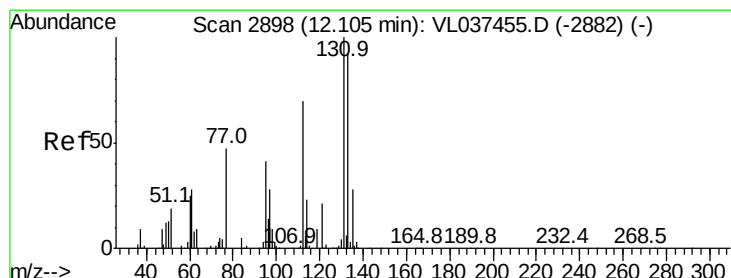
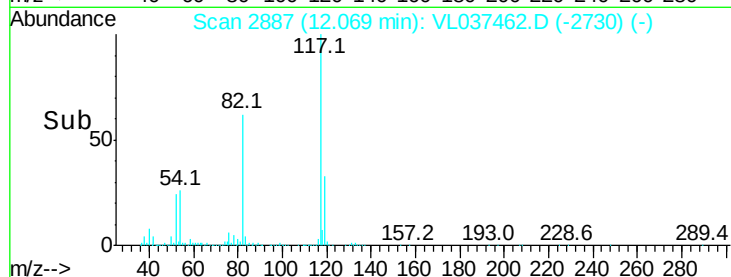
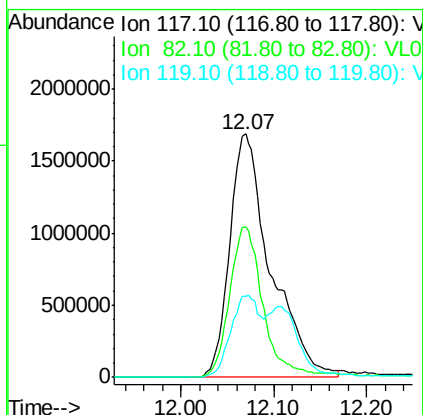
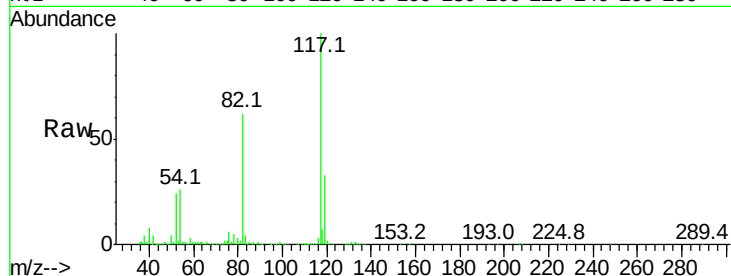




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL037462.D
Acq: 16 Aug 2021 15:12

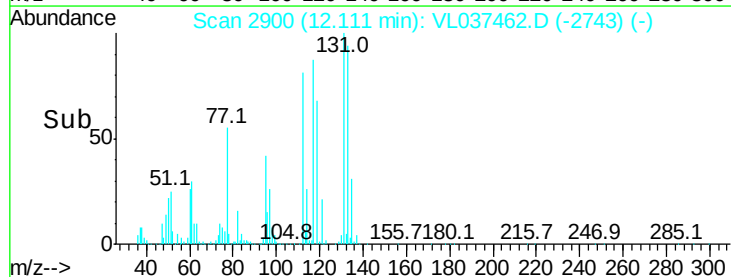
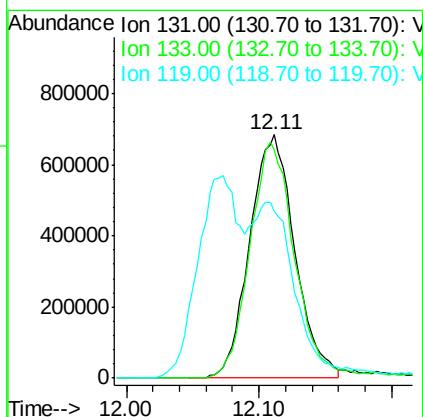
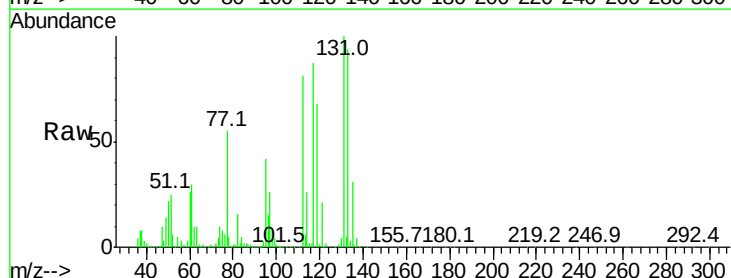
Instrument :
MSVOA_L
ClientSampleId :
ICVVL081621

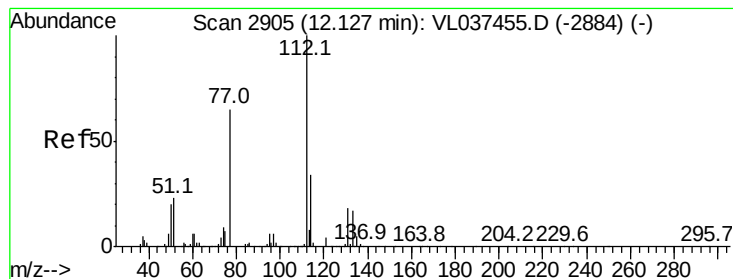
Tgt Ion:117 Resp: 5184050
Ion Ratio Lower Upper
117 100
82 52.6 52.9 79.3#
119 27.2 24.8 37.2



#56
1,1,1,2-Tetrachloroethane
Concen: 7.507 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.01 min
Lab File: VL037462.D
Acq: 16 Aug 2021 15:12

Tgt Ion:131 Resp: 1621643
Ion Ratio Lower Upper
131 100
133 98.1 78.7 118.1
119 68.7 56.6 85.0





#57

Chlorobenzene

Concen: 7.198 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081621

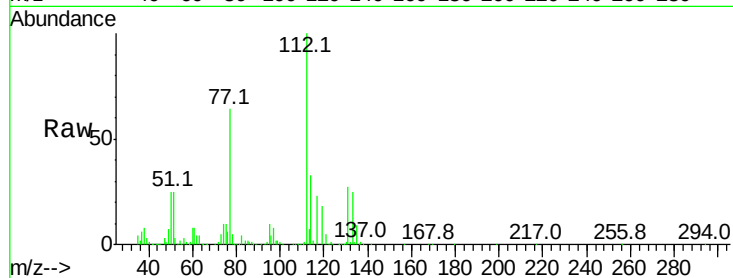
Tgt Ion: 112 Resp: 3096611

Ion Ratio Lower Upper

112 100

77 63.2 51.6 77.4

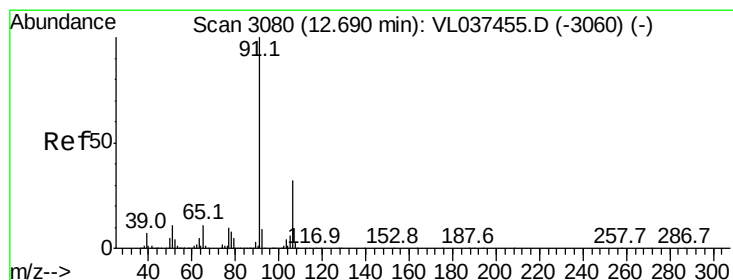
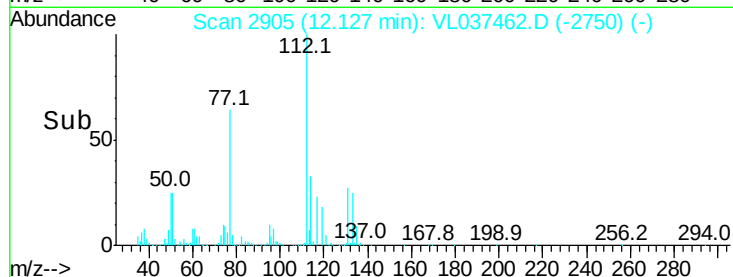
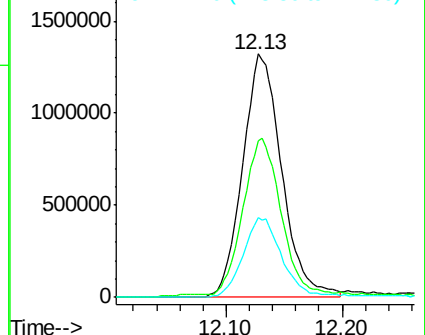
114 32.4 30.7 37.5



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: 7.548 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VL037462.D

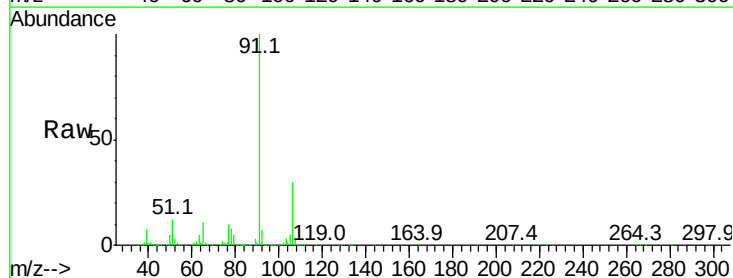
Acq: 16 Aug 2021 15:12

Tgt Ion: 91 Resp: 5429818

Ion Ratio Lower Upper

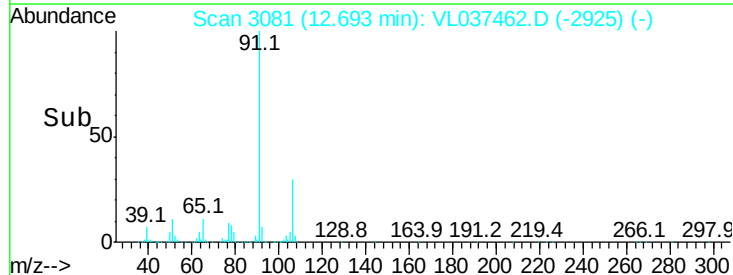
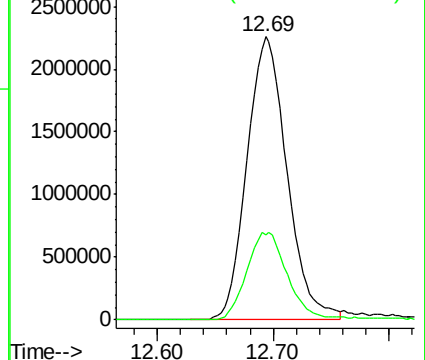
91 100

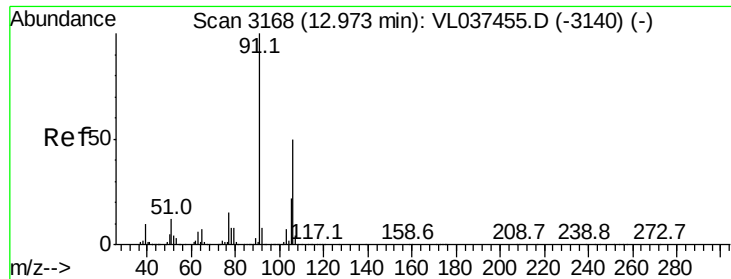
106 30.2 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

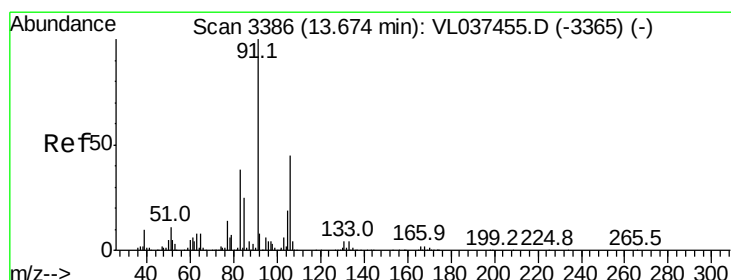
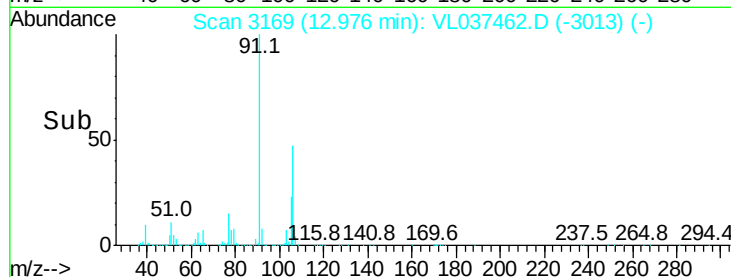
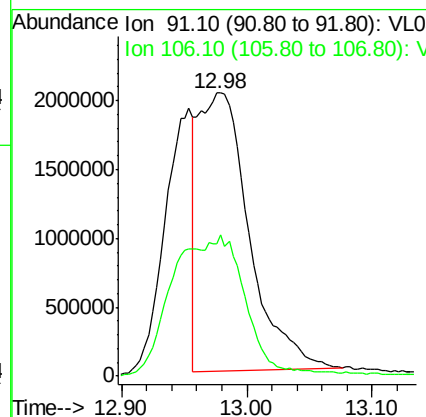
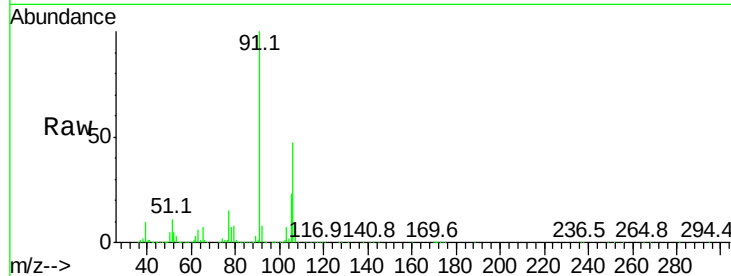




#59
m/p-Xylene
Concen: 9.083 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VL037462.D
Acq: 16 Aug 2021 15:12

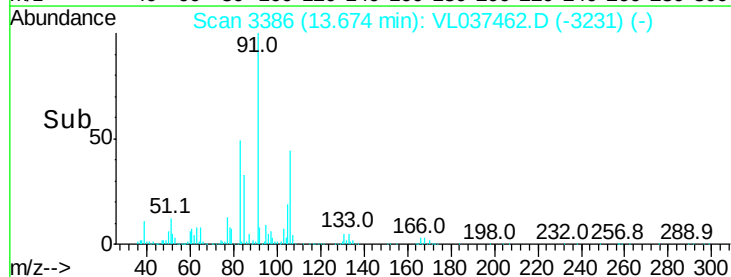
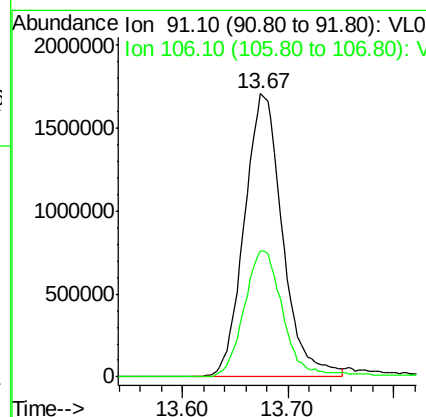
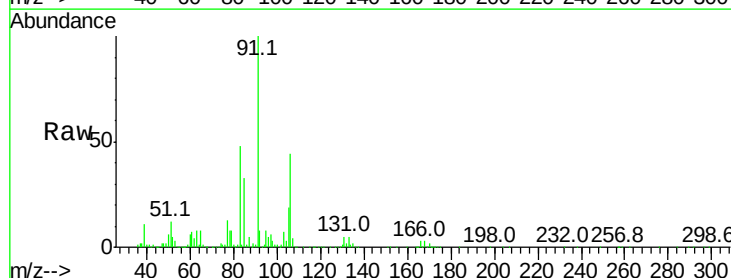
Instrument :
MSVOA_L
ClientSampleId :
ICVVL081621

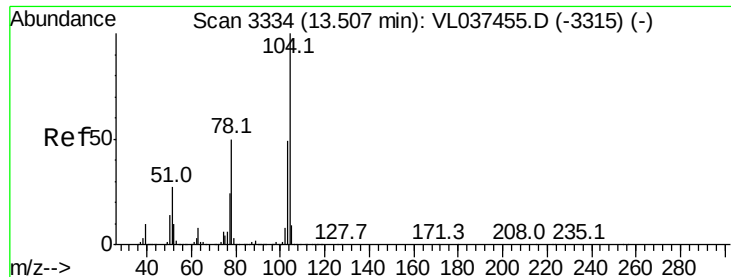
Tgt Ion: 91 Resp: 5665116
Ion Ratio Lower Upper
91 100
106 73.4 36.9 55.3#



#60
o-Xylene
Concen: 7.376 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.00 min
Lab File: VL037462.D
Acq: 16 Aug 2021 15:12

Tgt Ion: 91 Resp: 4293318
Ion Ratio Lower Upper
91 100
106 46.5 23.7 71.1





#61

Styrene

Concen: 8.061 ppbv

RT: 13.51 min Scan# 3335

Delta R.T. 0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081621

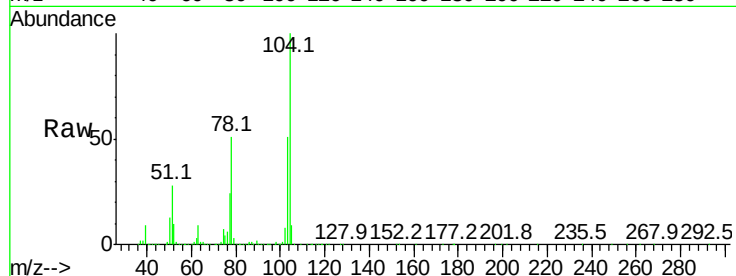
Tgt Ion:104 Resp: 2437502

Ion Ratio Lower Upper

104 100

78 51.7 41.3 61.9

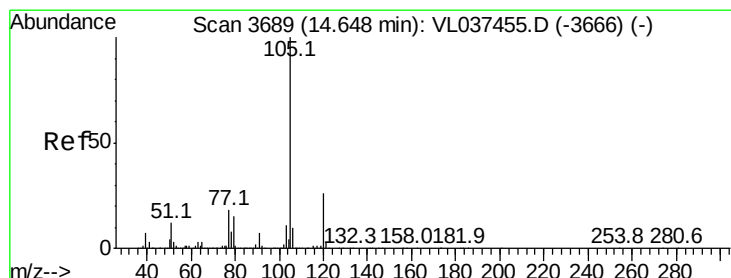
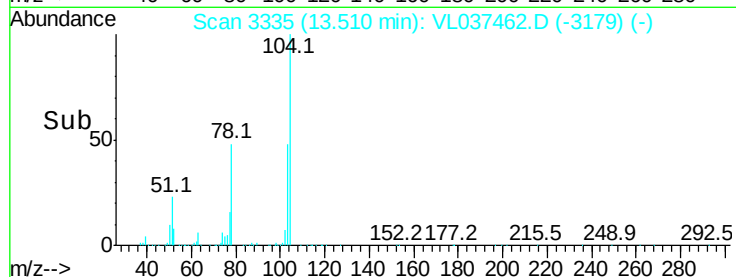
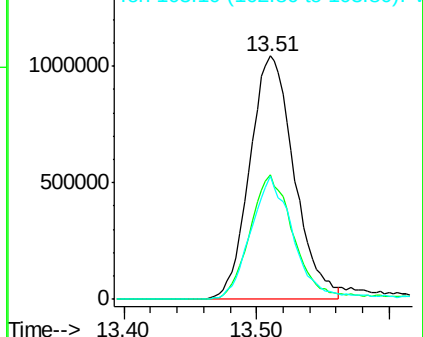
103 50.2 39.4 59.0



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: 7.370 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. 0.00 min

Lab File: VL037462.D

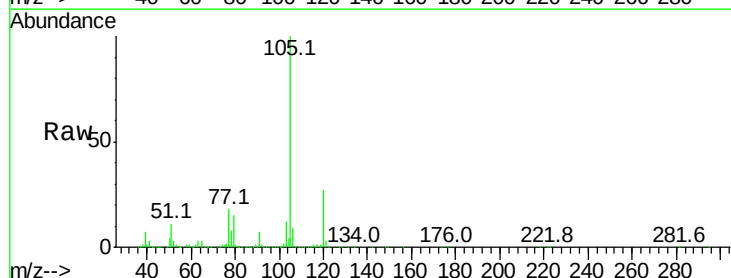
Acq: 16 Aug 2021 15:12

Tgt Ion:105 Resp: 6054407

Ion Ratio Lower Upper

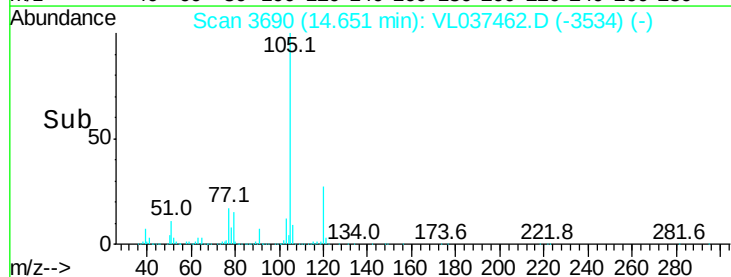
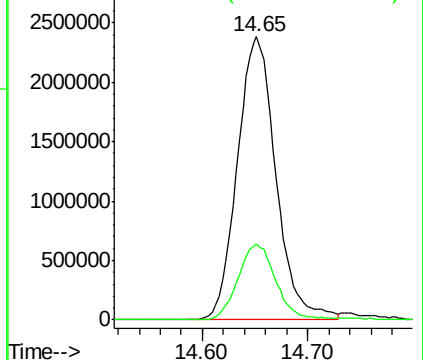
105 100

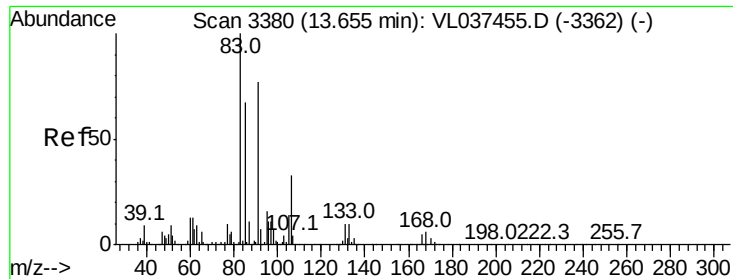
120 26.9 21.5 32.3



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: 7.138 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. 0.01 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081621

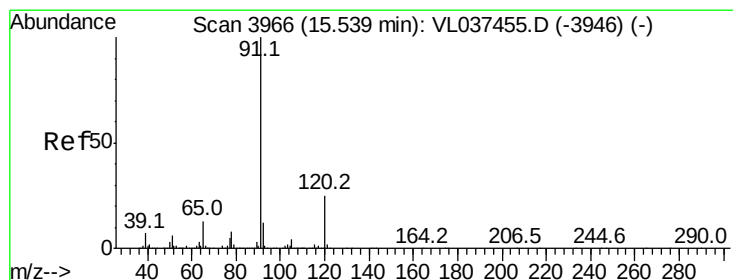
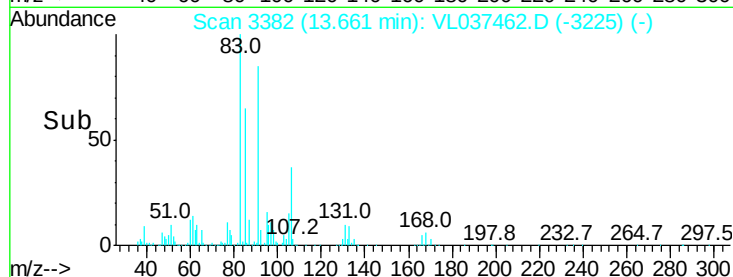
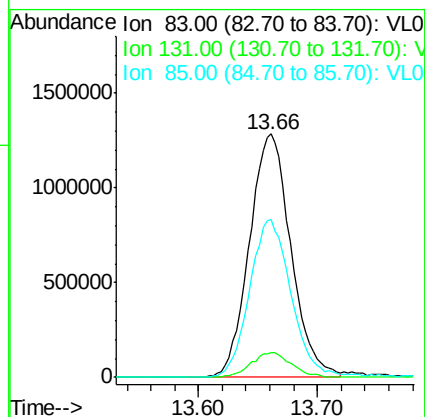
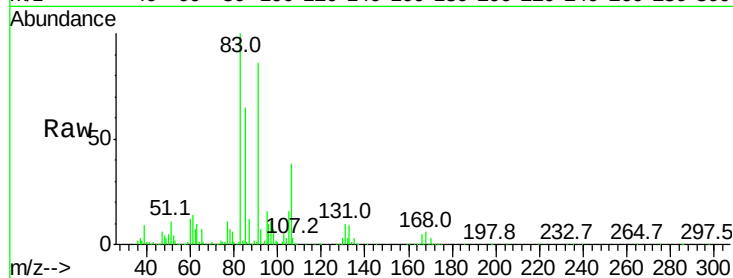
Tgt Ion: 83 Resp: 3088280

Ion Ratio Lower Upper

83 100

131 10.2 5.0 15.0

85 66.5 33.8 101.3



#64

n-propylbenzene

Concen: 7.751 ppbv

RT: 15.55 min Scan# 3969

Delta R.T. 0.01 min

Lab File: VL037462.D

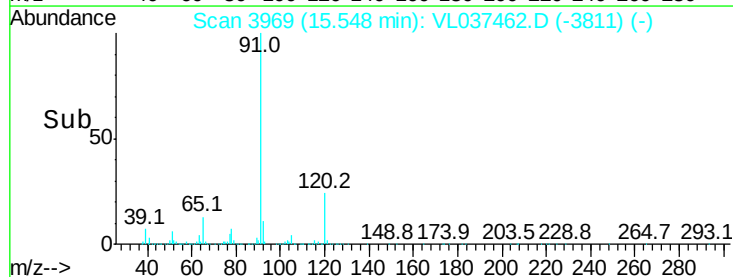
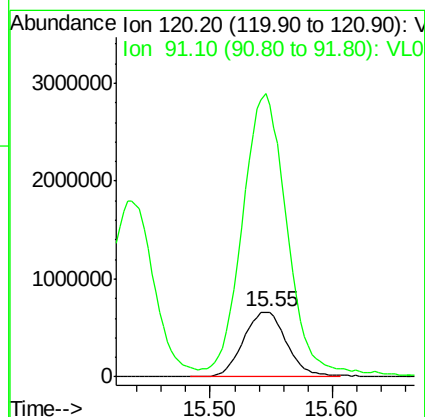
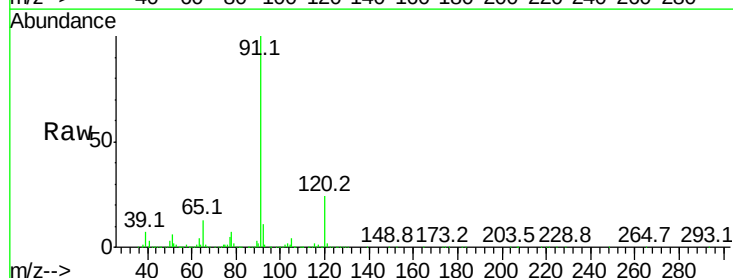
Acq: 16 Aug 2021 15:12

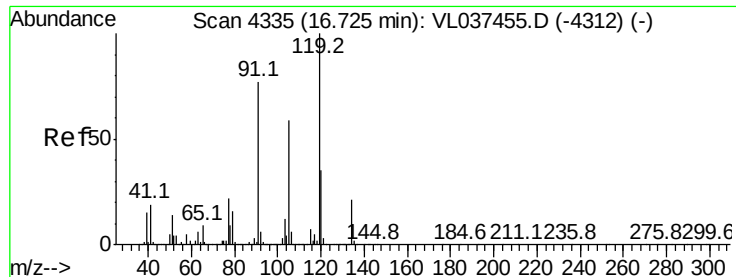
Tgt Ion: 120 Resp: 1620480

Ion Ratio Lower Upper

120 100

91 457.9 373.8 560.6

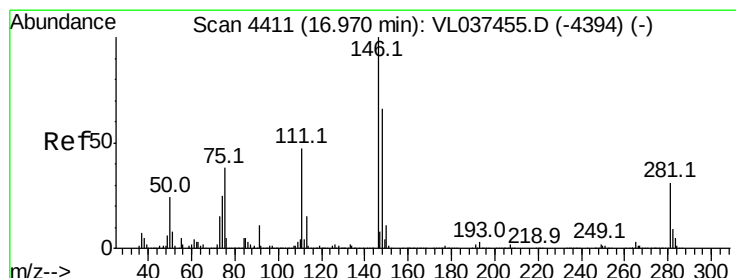
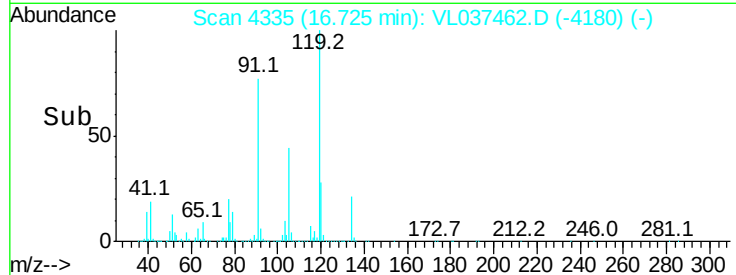
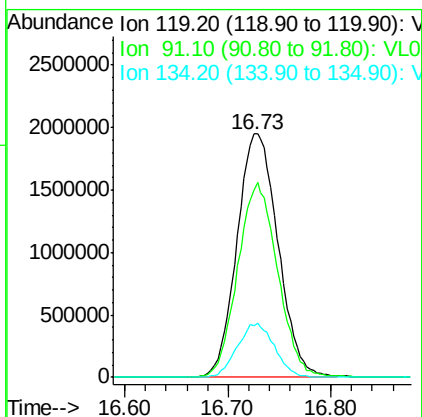
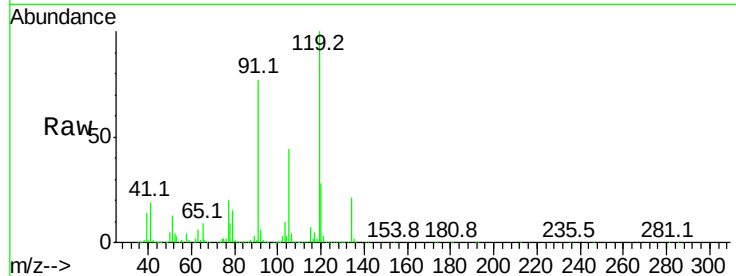




#65
 tert-Butylbenzene
 Concen: 7.212 ppbv
 RT: 16.73 min Scan# 4335
 Delta R.T. -0.00 min
 Lab File: VL037462.D
 Acq: 16 Aug 2021 15:12

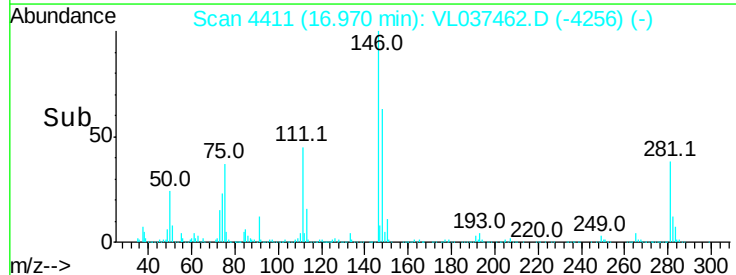
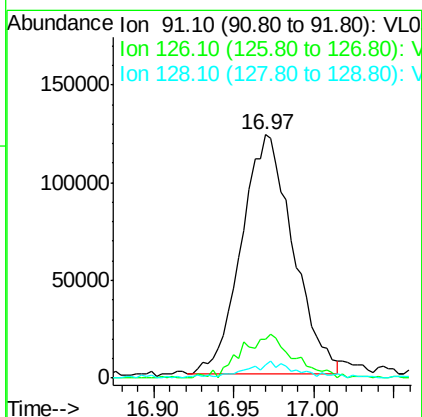
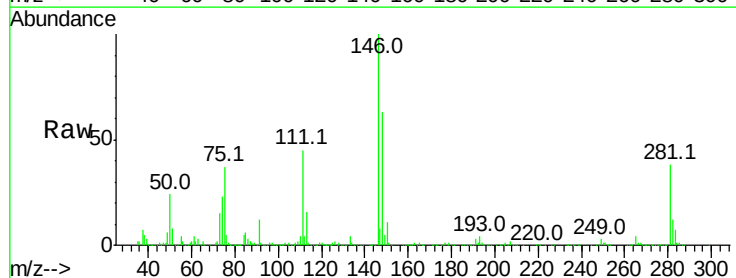
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081621

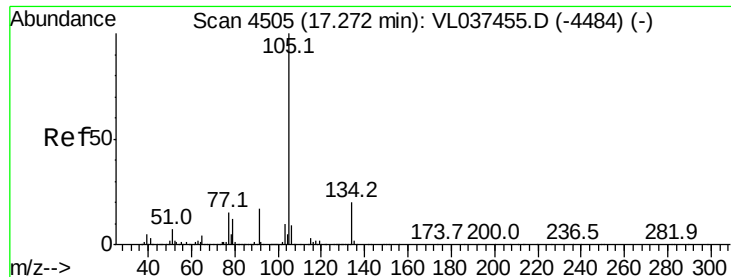
Tgt Ion: 119 Resp: 5395778
 Ion Ratio Lower Upper
 119 100
 91 78.0 62.9 94.3
 134 20.4 16.4 24.6



#66
 Benzyl Chloride
 Concen: 7.997 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. -0.00 min
 Lab File: VL037462.D
 Acq: 16 Aug 2021 15:12

Tgt Ion: 91 Resp: 270649
 Ion Ratio Lower Upper
 91 100
 126 19.6 15.9 23.9
 128 7.6 5.4 8.0





#67

sec-Butylbenzene

Concen: 7.152 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. 0.01 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

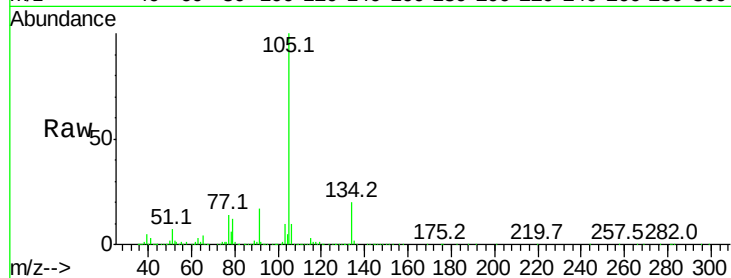
ICVVL081621

Tgt Ion:105 Resp: 7477444

Ion Ratio Lower Upper

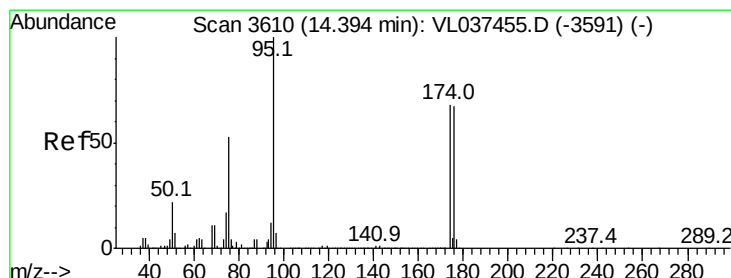
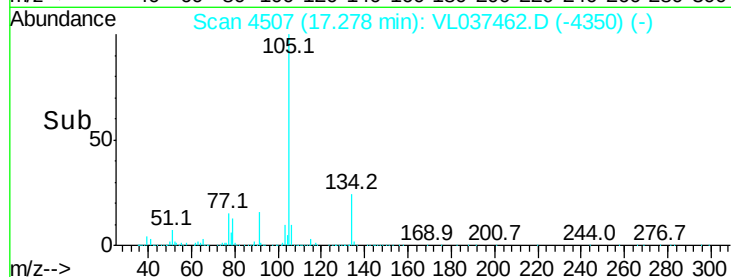
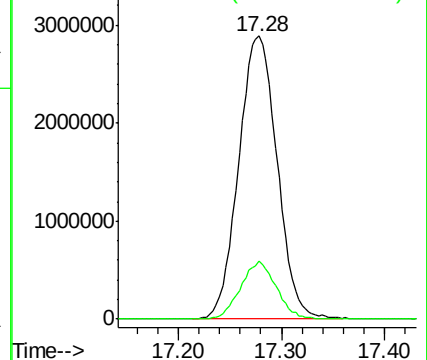
105 100

134 19.0 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: 8.326 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

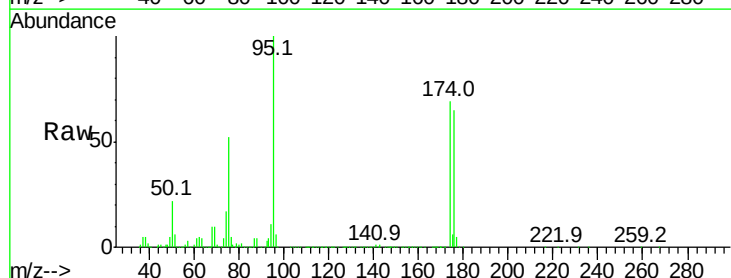
Tgt Ion: 95 Resp: 3066609

Ion Ratio Lower Upper

95 100

174 73.6 59.6 89.4

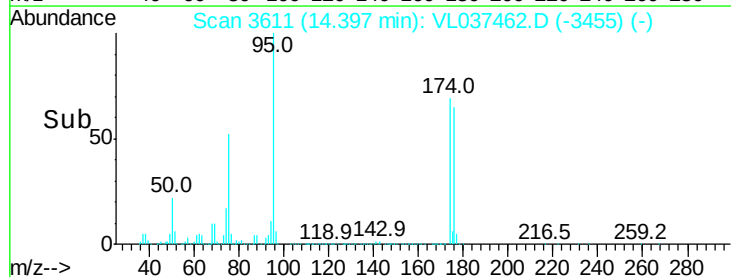
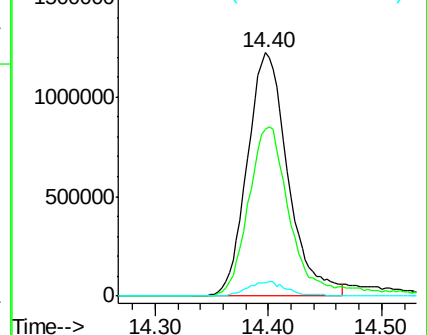
175 6.1 4.6 7.0

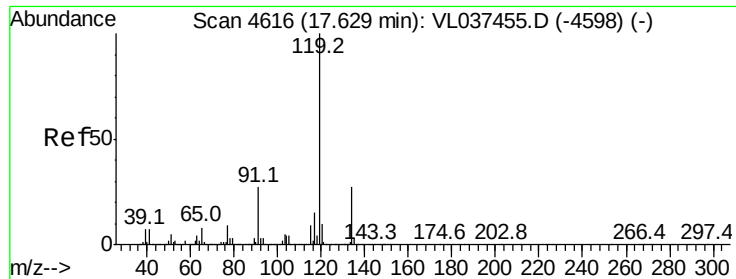


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

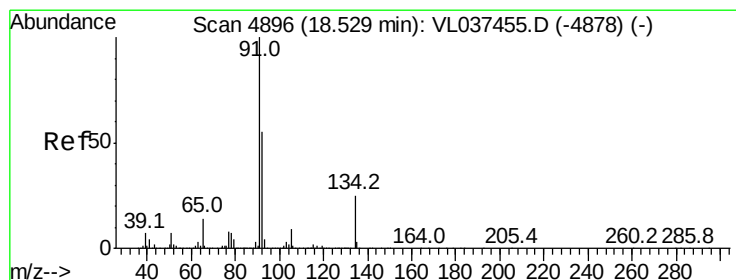
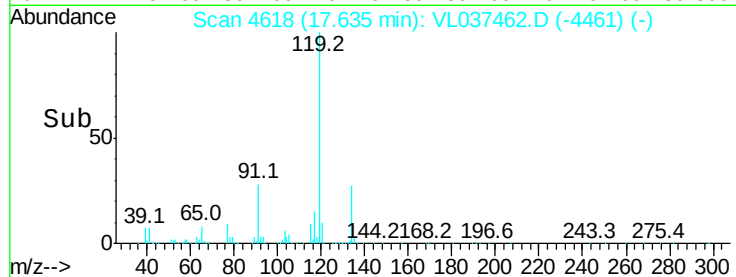
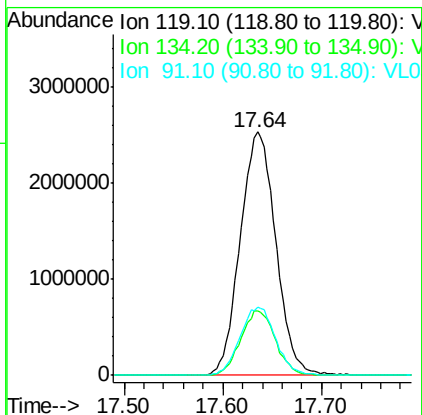
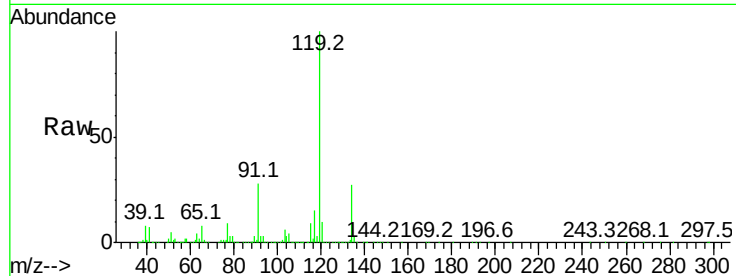




#69
 p-Isopropyltoluene
 Concen: 7.411 ppbv
 RT: 17.64 min Scan# 4618
 Delta R.T. 0.01 min
 Lab File: VL037462.D
 Acq: 16 Aug 2021 15:12

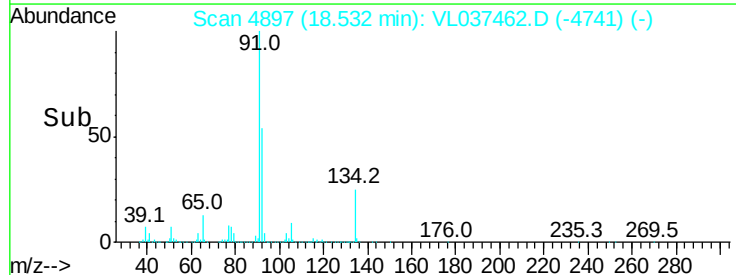
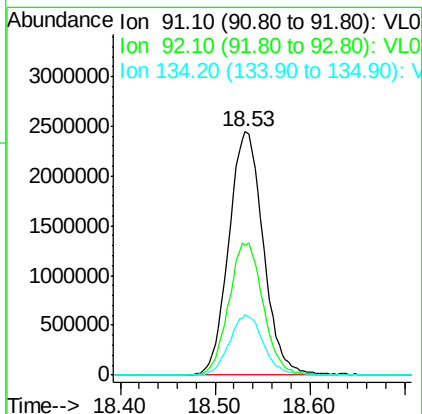
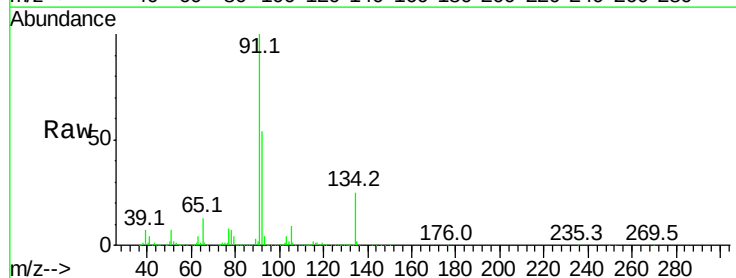
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081621

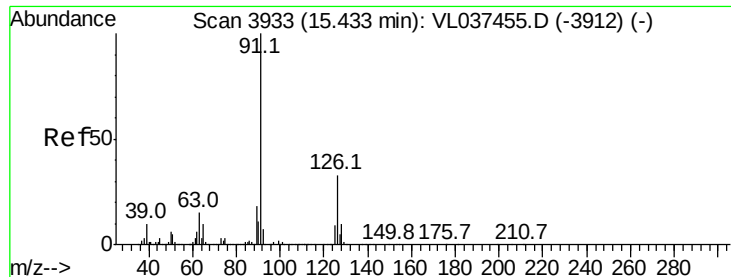
Tgt Ion: 119 Resp: 6313406
 Ion Ratio Lower Upper
 119 100
 134 26.2 21.1 31.7
 91 28.0 22.4 33.6



#70
 n-Butylbenzene
 Concen: 7.587 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.00 min
 Lab File: VL037462.D
 Acq: 16 Aug 2021 15:12

Tgt Ion: 91 Resp: 6177256
 Ion Ratio Lower Upper
 91 100
 92 54.7 44.0 66.0
 134 24.4 19.5 29.3





#71

2-Chlorotoluene

Concen: 7.425 ppbv

RT: 15.44 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

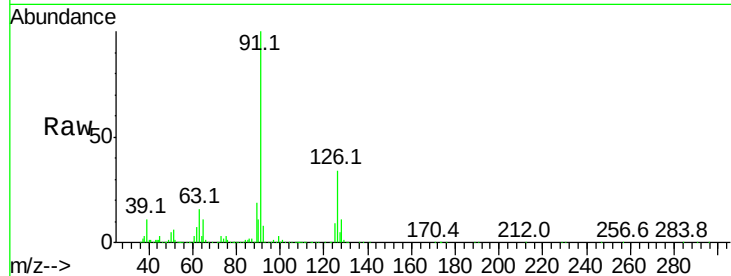
ICVVL081621

Tgt Ion: 91 Resp: 4473364

Ion Ratio Lower Upper

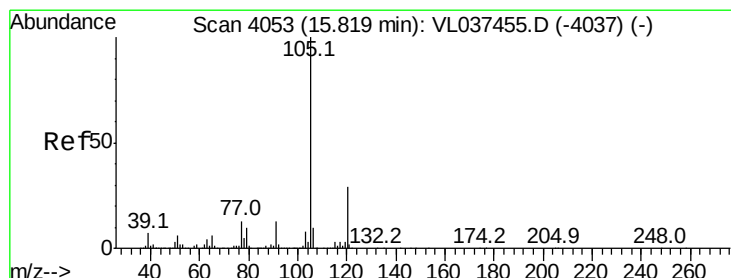
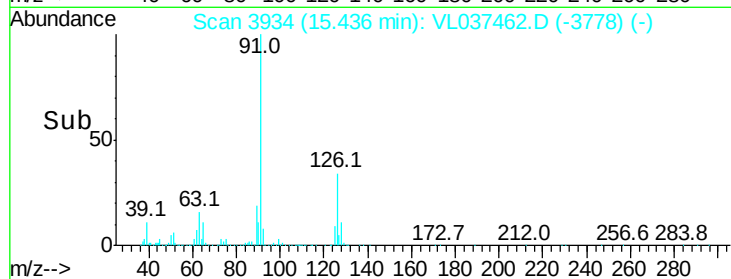
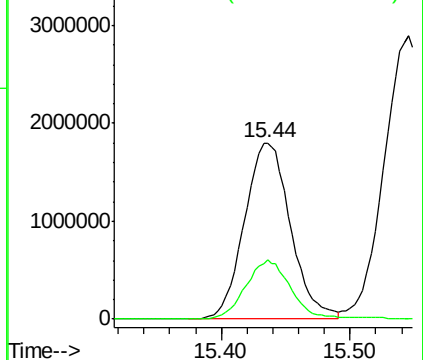
91 100

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): VL0



#72

4-Ethyltoluene

Concen: 7.390 ppbv

RT: 15.82 min Scan# 4054

Delta R.T. 0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Tgt Ion: 105 Resp: 5116666

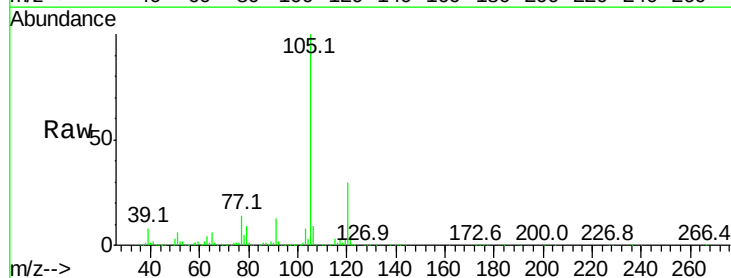
Ion Ratio Lower Upper

105 100

120 31.8 24.7 37.1

91 12.3 9.8 14.8

77 13.8 10.6 15.8

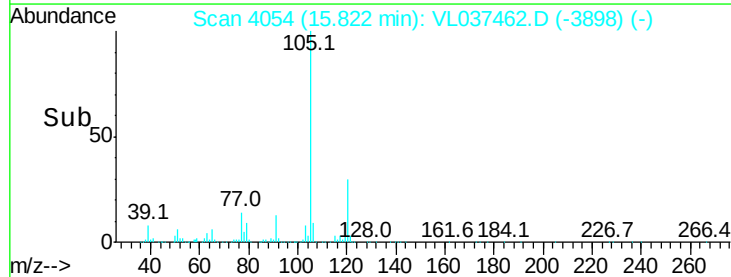
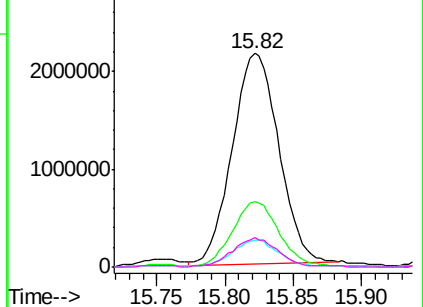


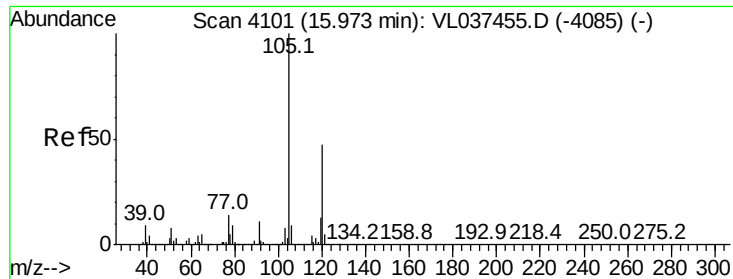
Abundance Ion 105.10 (104.80 to 105.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 7.341 ppbv

RT: 15.98 min Scan# 4103

Delta R.T. 0.01 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

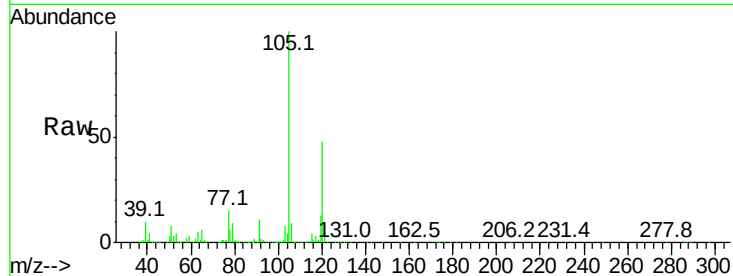
ICVVL081621

Tgt Ion:105 Resp: 4731090

Ion Ratio Lower Upper

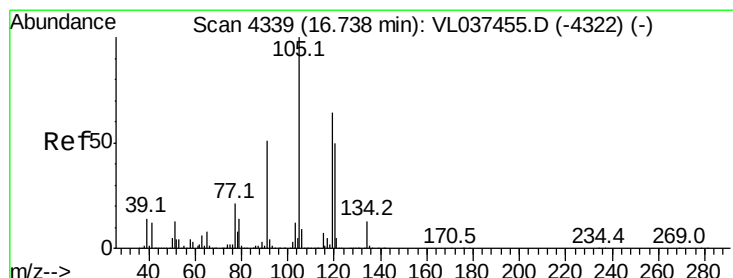
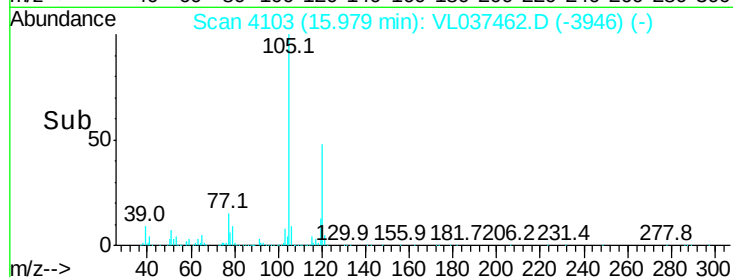
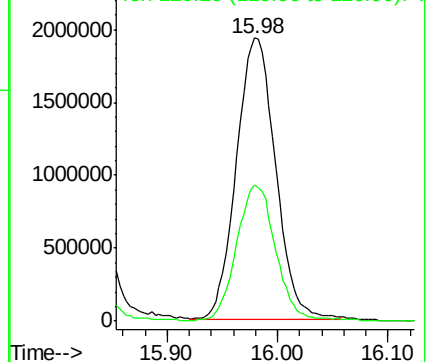
105 100

120 48.3 37.6 56.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.158 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.01 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Tgt Ion:105 Resp: 4902514

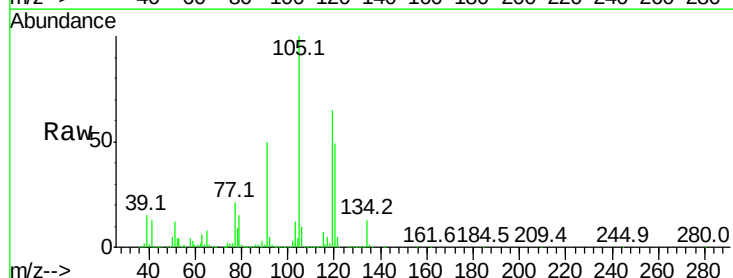
Ion Ratio Lower Upper

105 100

120 49.1 40.4 60.6

91 50.0 44.6 67.0

77 21.1 17.8 26.6

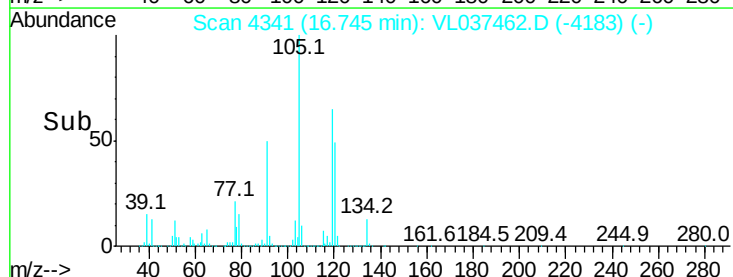
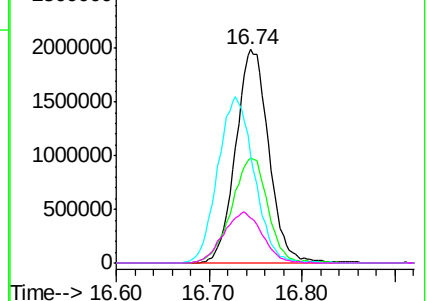


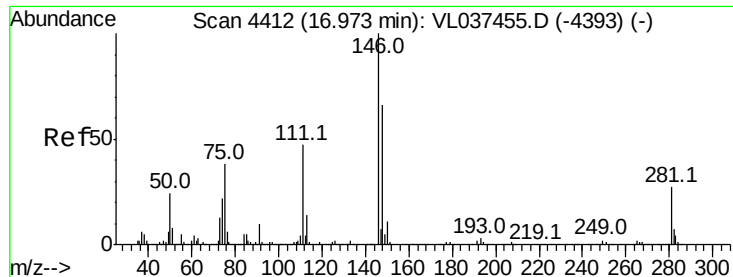
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 7.192 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. 0.01 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081621

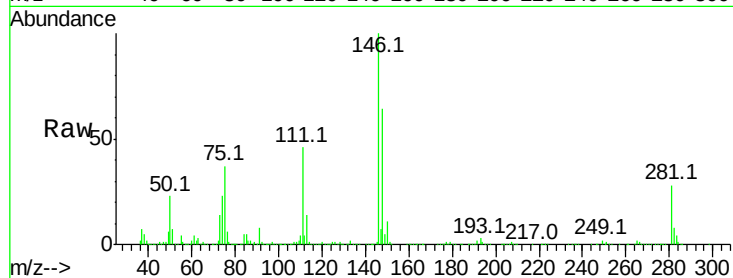
Tgt Ion:146 Resp: 2964641

Ion Ratio Lower Upper

146 100

111 45.7 23.4 70.0

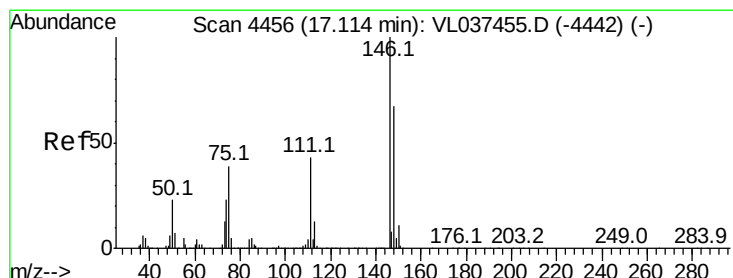
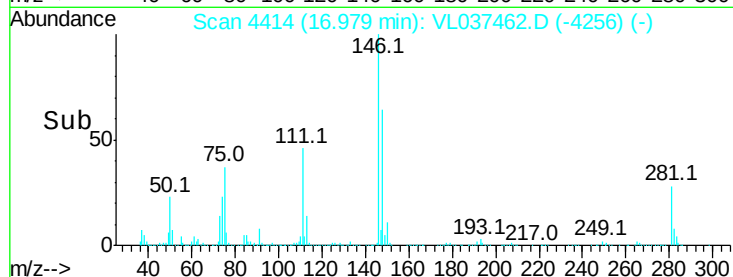
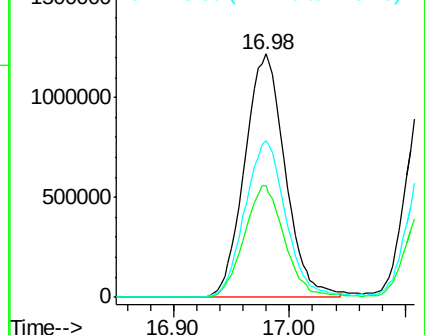
148 64.8 33.1 99.5



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: 6.963 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. 0.01 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

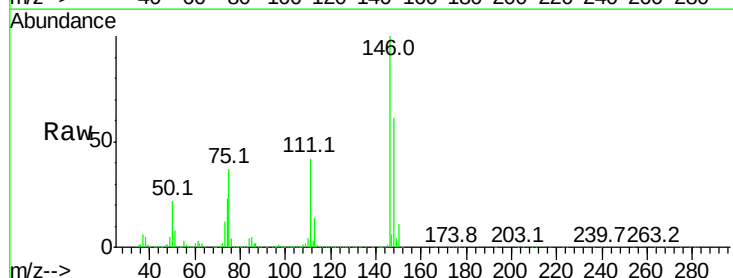
Tgt Ion:146 Resp: 2891465

Ion Ratio Lower Upper

146 100

111 45.7 22.1 66.5

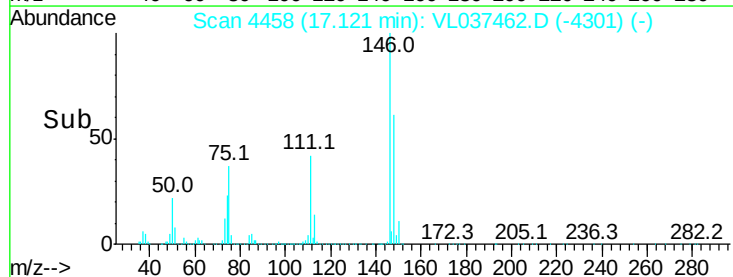
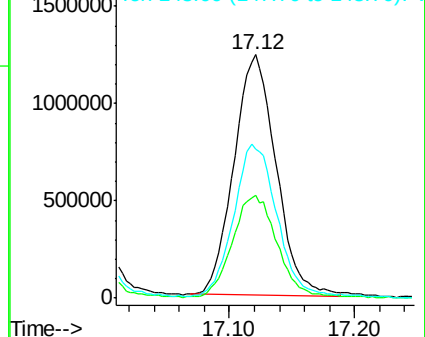
148 66.7 32.4 97.0

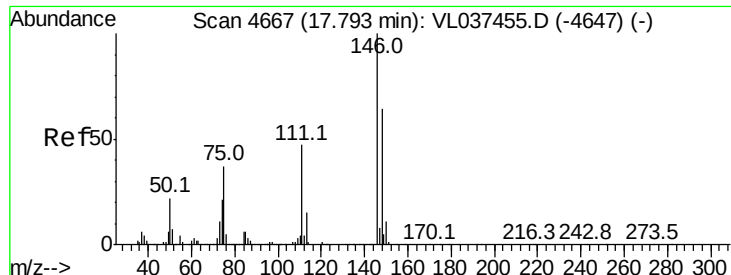


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

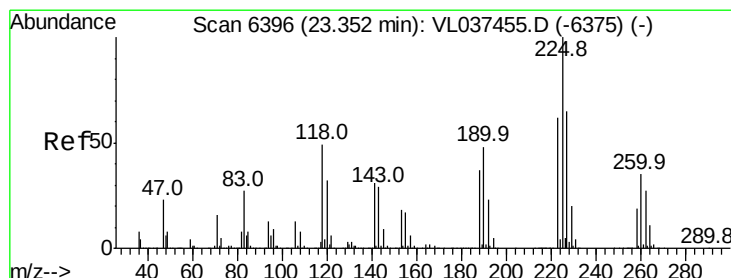
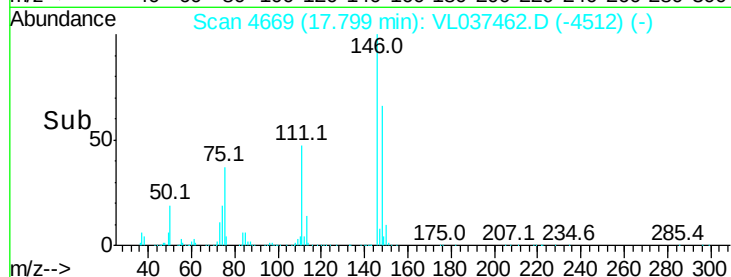
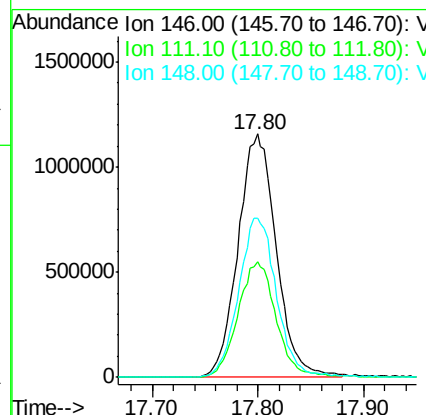
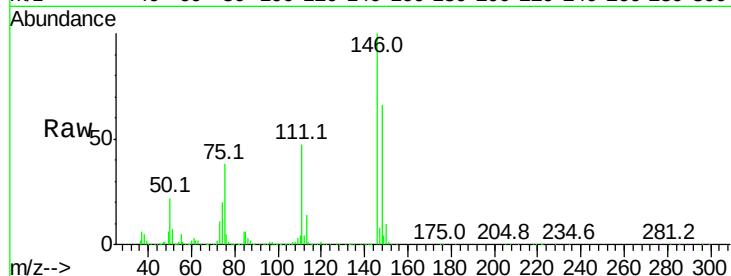




#77
 1,2-Dichlorobenzene
 Concen: 7.139 ppbv
 RT: 17.80 min Scan# 4669
 Delta R.T. 0.01 min
 Lab File: VL037462.D
 Acq: 16 Aug 2021 15:12

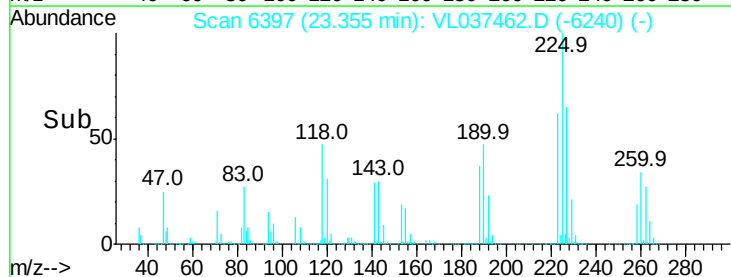
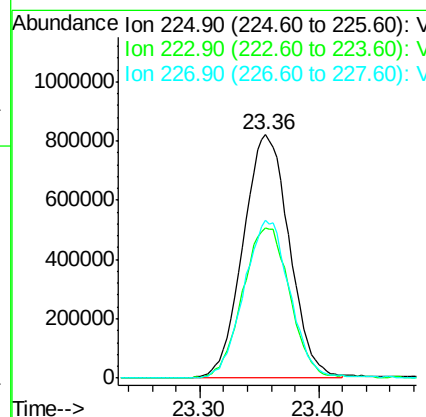
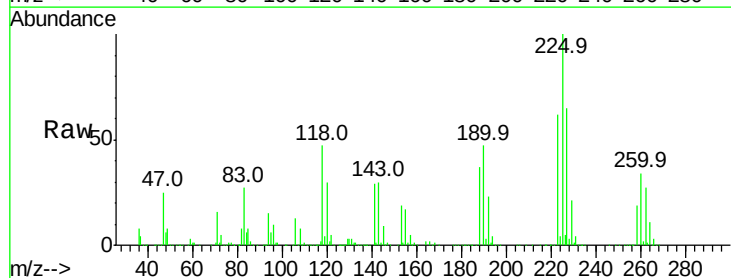
Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081621

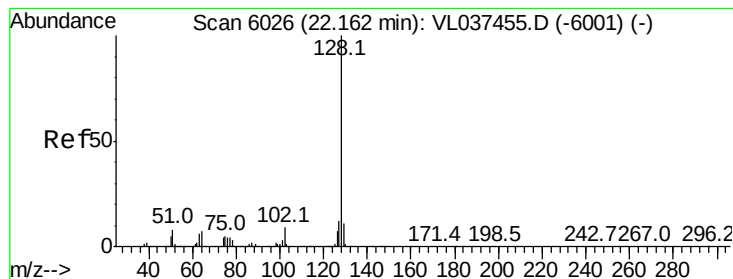
Tgt Ion:146 Resp: 2897863
 Ion Ratio Lower Upper
 146 100
 111 47.4 23.4 70.3
 148 65.6 32.5 97.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.514 ppbv
 RT: 23.36 min Scan# 6397
 Delta R.T. 0.00 min
 Lab File: VL037462.D
 Acq: 16 Aug 2021 15:12

Tgt Ion:225 Resp: 2198622
 Ion Ratio Lower Upper
 225 100
 223 63.2 51.4 77.0
 227 64.6 52.9 79.3





#79

Naphthalene

Concen: 7.958 ppbv

RT: 22.17 min Scan# 6029

Delta R.T. 0.01 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

Instrument :

MSVOA_L

ClientSampleId :

ICVVL081621

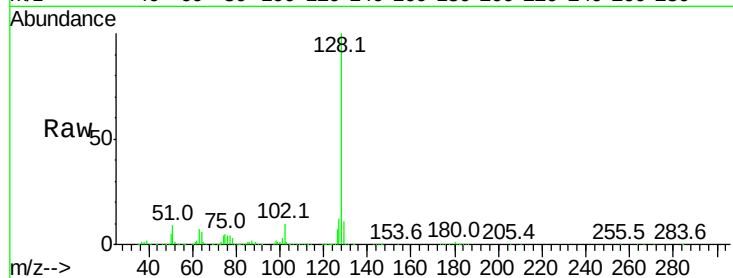
Tgt Ion:128 Resp: 3647150

Ion Ratio Lower Upper

128 100

127 11.8 9.4 14.2

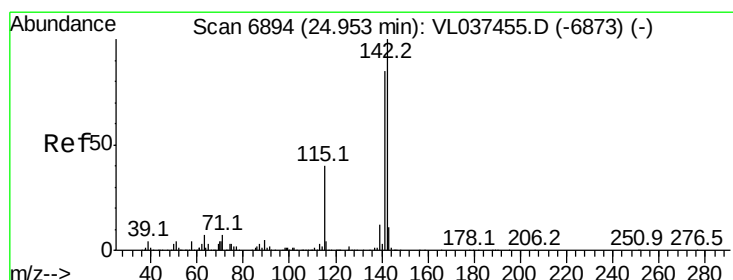
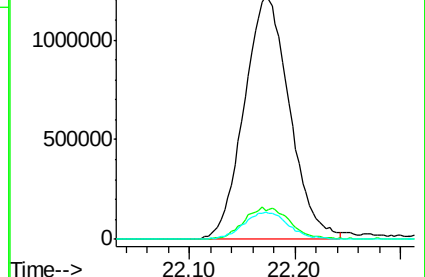
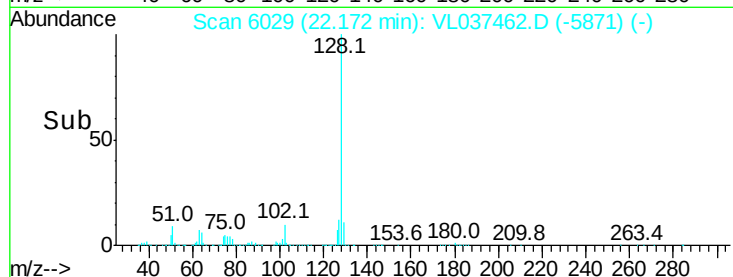
129 11.3 8.8 13.2



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 7.949 ppbv

RT: 24.95 min Scan# 6894

Delta R.T. -0.00 min

Lab File: VL037462.D

Acq: 16 Aug 2021 15:12

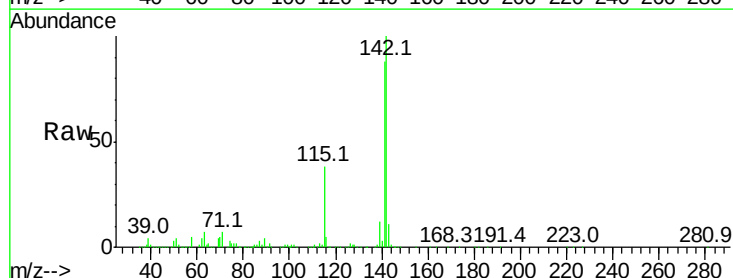
Tgt Ion:142 Resp: 1014966

Ion Ratio Lower Upper

142 100

141 87.2 64.7 97.1

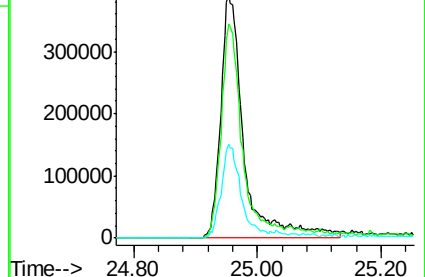
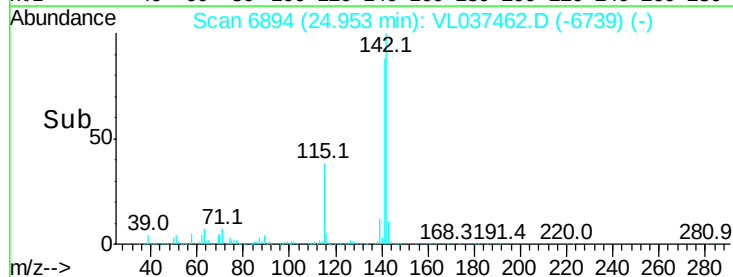
115 36.2 28.4 42.6

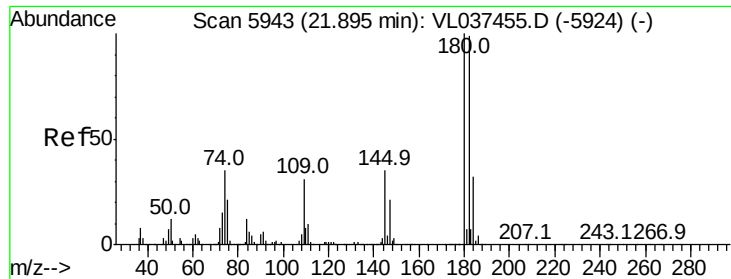


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

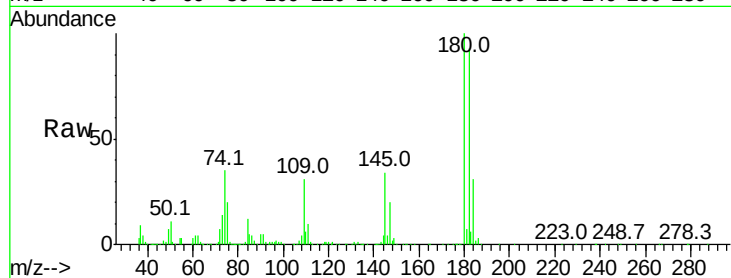




#81
 1,2,4-Trichlorobenzene
 Concen: 7.796 ppbv
 RT: 21.90 min Scan# 5945
 Delta R.T. 0.01 min
 Lab File: VL037462.D
 Acq: 16 Aug 2021 15:12

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL081621

Tgt Ion:180 Resp: 2242021
 Ion Ratio Lower Upper
 180 100
 182 96.7 79.6 119.4
 184 31.5 25.4 38.2



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

