

Data File : VL037461.D

Acq On : 16 Aug 2021 14:18

Operator : SY/AP

Sample : VSTDIC15

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Quant Time: Aug 16 14:48:19 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 11:33:04 2021

QLast Update : Mon Aug 16 11:33:04 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1505967	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4567279	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4145145	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2979317	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	2949797	12.821	ppbv	97
3) Chlorodifluoromethane	2.98	51	3838994	12.981	ppbv	99
4) Chloromethane	3.13	50	1398876	13.159	ppbv	96
5) Vinyl Chloride	3.25	62	1436038	12.261	ppbv	96
6) Bromomethane	3.47	94	805280	13.258	ppbv	99
7) Chloroethane	3.55	64	478792	12.380	ppbv	92
8) Dichlorotetrafluoroethane	3.18	85	3279813	12.772	ppbv	100
9) Propene	3.00	41	1357591	13.671	ppbv	98
10) Heptane	8.11	43	3460991	14.332	ppbv	99
11) Trichlorofluoromethane	3.94	101	3112381	12.501	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2344367	13.442	ppbv	99
13) Ethanol	3.60	45	63816	6.021	ppbv #	12
14) Bromoethene	3.73	108	999129	12.879	ppbv	94
15) Acetone	3.84	43	1797233	11.253	ppbv	99
16) 1,3-Butadiene	3.32	39	1424676	13.291	ppbv	97
17) tert-Butyl alcohol	4.28	59	1814077	11.900	ppbv	100
18) 1,1-Dichloroethene	4.28	96	1055177	13.031	ppbv	97
19) Isopropyl Alcohol	3.96	45	1070430	11.516	ppbv	99
20) Methylene Chloride	4.33	84	915964	10.846	ppbv	96
21) Allyl Chloride	4.40	41	1764385	14.098	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	1161194	15.288	ppbv	100
23) Vinyl Acetate	5.06	43	2786193	11.369	ppbv	99
24) 1,1-Dichloroethane	5.00	63	2182417	11.466	ppbv	99
25) Ethyl Acetate	5.66	43	5355815	14.071	ppbv	100
26) Hexane	5.67	57	2523659	12.848	ppbv	100
27) Carbon Disulfide	4.54	76	2722847	16.442	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	2287366	10.881	ppbv	100
29) Chloroform	5.74	83	3686289	13.329	ppbv	97
30) Cyclohexane	7.11	84	2184242	13.502	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	2480153	14.607	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	3645877	13.063	ppbv	99
34) 2-Butanone	5.23	43	2374389	12.592	ppbv	97
35) Carbon Tetrachloride	7.01	117	3855554	13.689	ppbv	99
36) Benzene	6.88	78	5353625	13.901	ppbv	98
37) 1,2-Dichloroethane	6.29	62	2715219	13.815	ppbv	99
38) Trichloroethene	7.82	130	2081364	12.245	ppbv	98
39) 1,2-Dichloropropane	7.60	63	2046040	13.946	ppbv	96
40) 1,4-Dioxane	7.82	88	234533	6.569	ppbv #	100
41) Tetrahydrofuran	6.03	42	1281356	14.797	ppbv	99
42) Bromodichloromethane	7.78	83	4006975	14.560	ppbv	95
43) Methyl Methacrylate	8.00	69	1958838	15.007	ppbv	98

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Operator : SY/AP
Sample : VSTDIC15
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Quant Time: Aug 16 14:48:19 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 11:33:04 2021
QLast Update : Mon Aug 16 11:33:04 2021
Response via : Initial Calibration

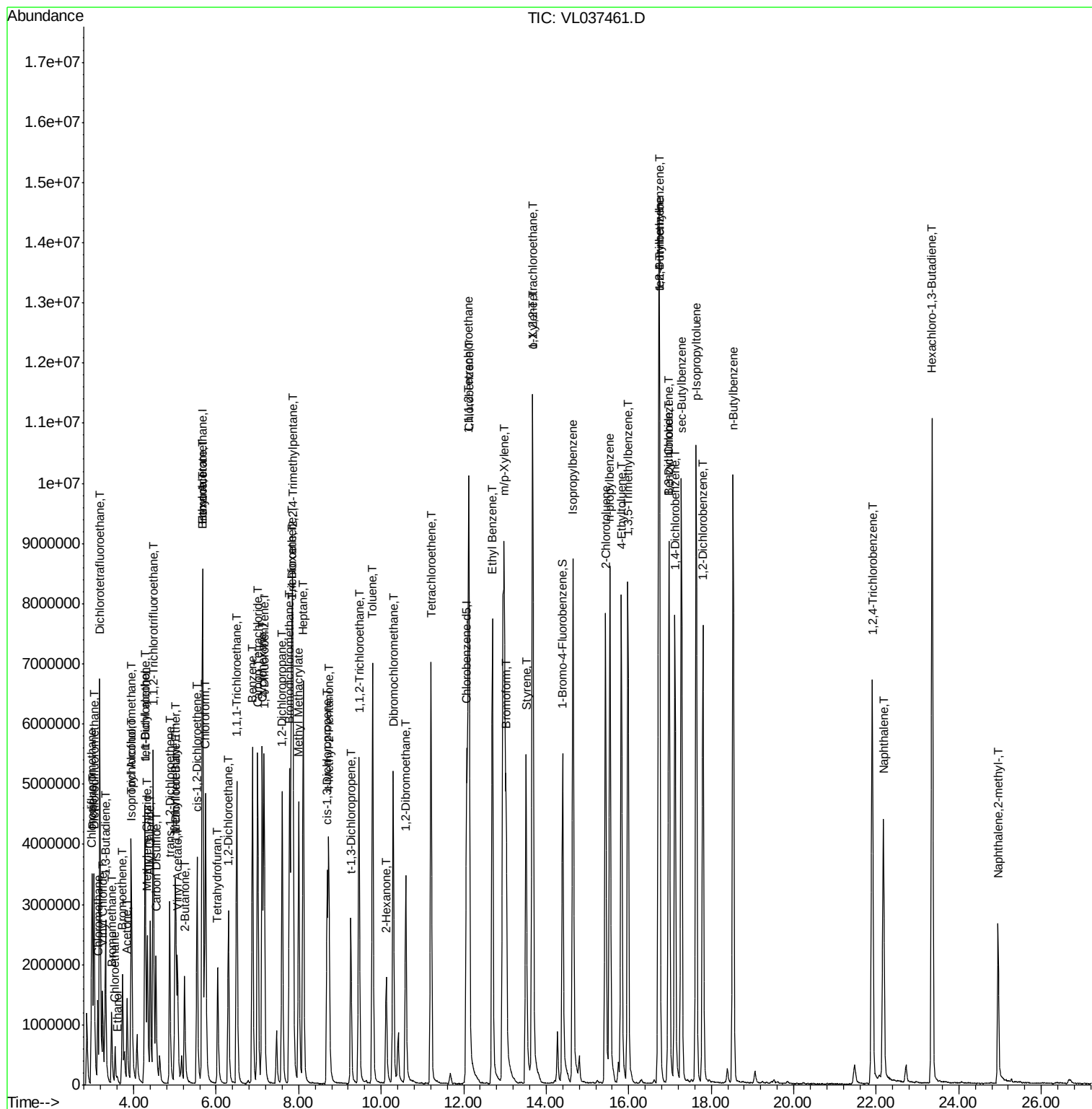
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	8580511	13.326	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1769301	18.241	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	2254394	16.649	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	2190441	13.812	ppbv	95
48) Dibromochloromethane	10.29	129	3595746	15.714	ppbv	99
49) Bromoform	13.03	173	2971441	17.138	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	3531624	14.888	ppbv	100
51) 2-Hexanone	10.12	43	1760044	15.770	ppbv #	97
52) Tetrachloroethene	11.21	164	1976727	12.184	ppbv	97
53) Toluene	9.79	91	6226818	14.162	ppbv	100
54) 1,2-Dibromoethane	10.60	107	3255453	15.083	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	2376126	14.400	ppbv	96
57) Chlorobenzene	12.13	112	4506495	13.414	ppbv	99
58) Ethyl Benzene	12.70	91	7998259	14.224	ppbv	99
59) m/p-Xylene	12.98	91	7029999	14.232	ppbv #	36
60) o-Xylene	13.68	91	6178401	13.464	ppbv	100
61) Styrene	13.51	104	3728816	16.084	ppbv	100
62) Isopropylbenzene	14.65	105	8688461	13.240	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	4520504	13.063	ppbv	99
64) n-propylbenzene	15.55	120	2353062	14.250	ppbv	95
65) tert-Butylbenzene	16.73	119	7628376	12.890	ppbv	99
66) Benzyl Chloride	16.97	91	511616	18.894	ppbv	99
67) sec-Butylbenzene	17.28	105	10632673	13.204	ppbv	98
69) p-Isopropyltoluene	17.64	119	9100465	13.770	ppbv	99
70) n-Butylbenzene	18.54	91	8976467	14.613	ppbv	99
71) 2-Chlorotoluene	15.44	91	6511503	14.028	ppbv	100
72) 4-Ethyltoluene	15.82	105	7736495	14.525	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	7007076	13.915	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	7019961	13.616	ppbv	96
75) 1,3-Dichlorobenzene	16.98	146	4465792	14.154	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	4426334	14.150	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	4357337	14.353	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	3307076	13.449	ppbv	99
79) Naphthalene	22.17	128	6132351	21.885	ppbv	98
80) Naphthalene,2-methyl-	24.96	142	1849572	31.252	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	3571893	18.761	ppbv	98

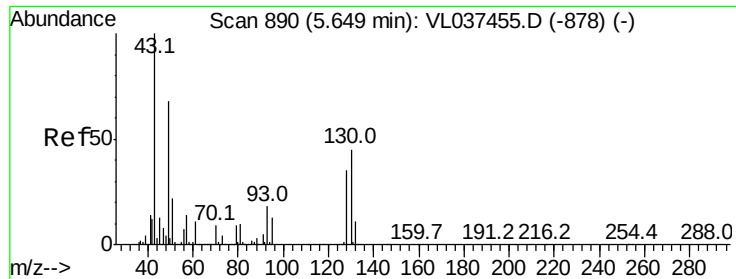
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 1 Sample Multiplier: 1

ClientSampleId :
VSTDICC015

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

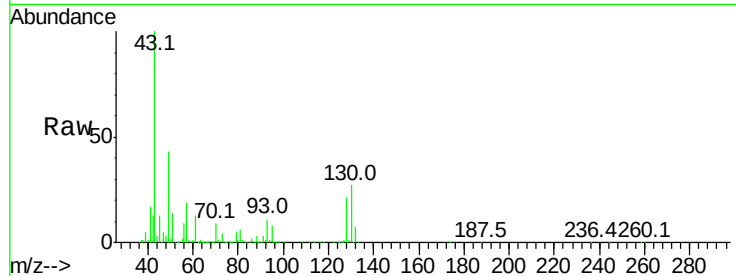
Tgt Ion: 49 Resp: 1505967

Ion Ratio Lower Upper

49 100

128 55.5 27.5 82.4

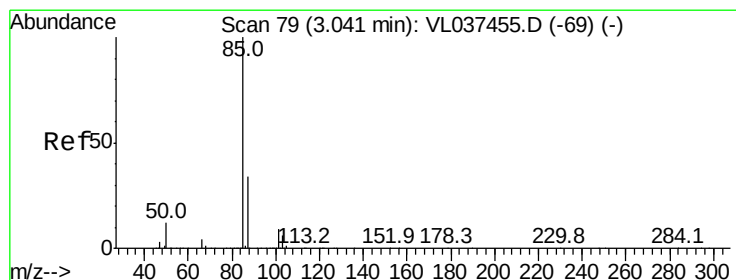
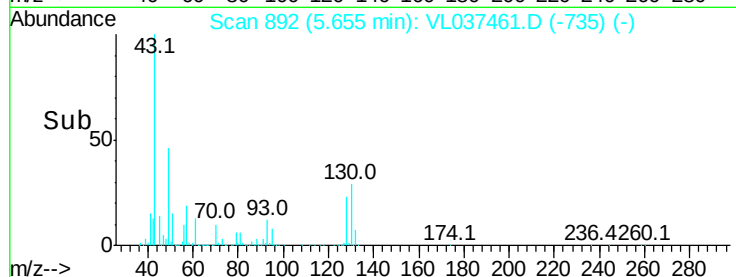
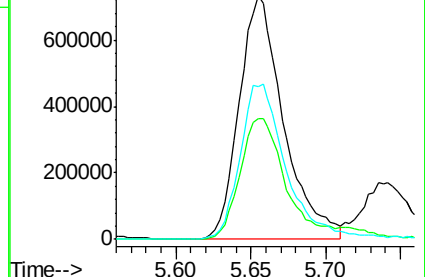
130 67.8 34.0 101.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 12.821 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL037461.D

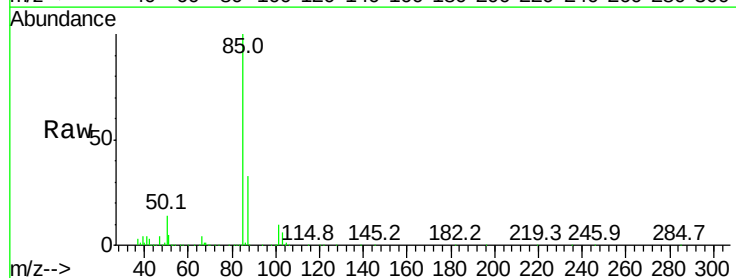
Acq: 16 Aug 2021 14:18

Tgt Ion: 85 Resp: 2949797

Ion Ratio Lower Upper

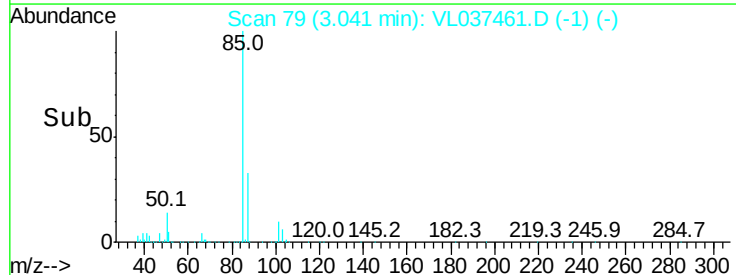
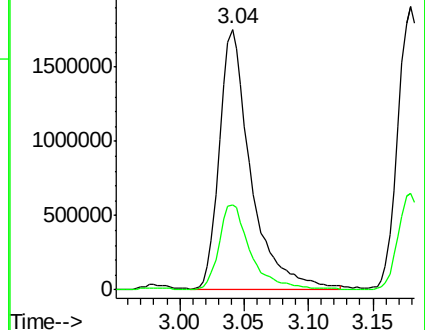
85 100

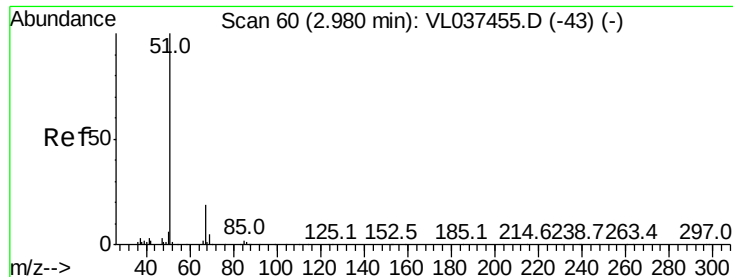
87 32.8 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

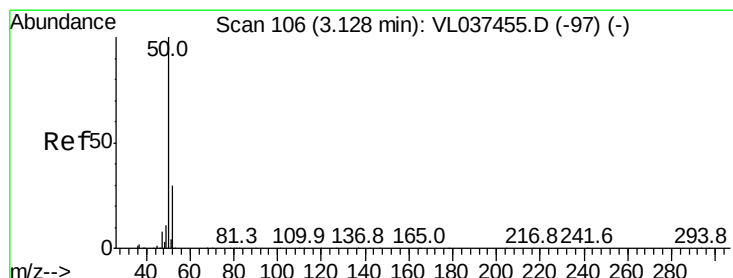
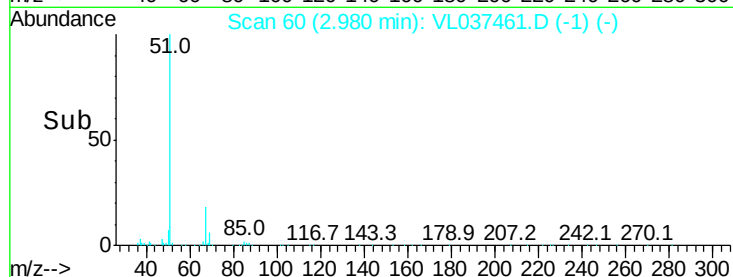
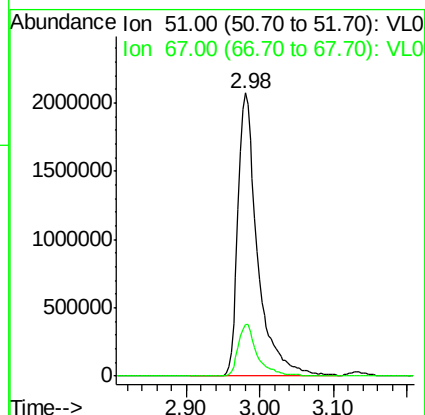
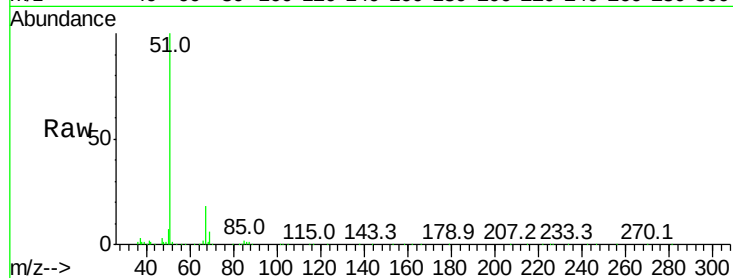




#3
Chlorodifluoromethane
Concen: 12.981 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.00 min
Lab File: VL037461.D
Acq: 16 Aug 2021 14:18

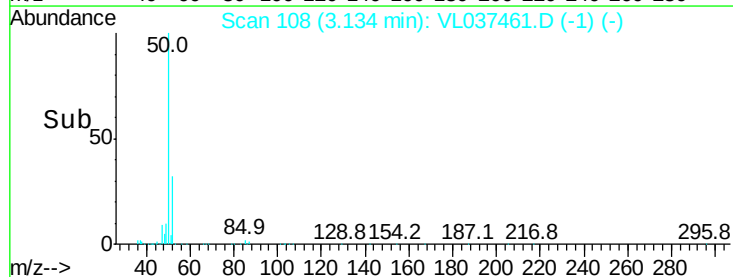
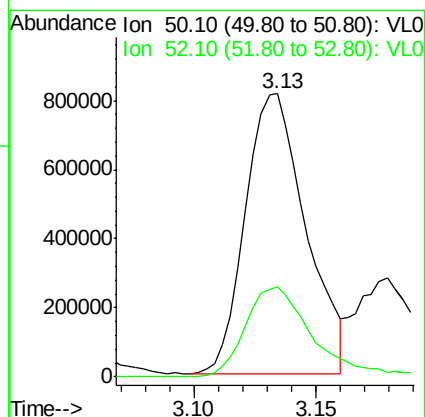
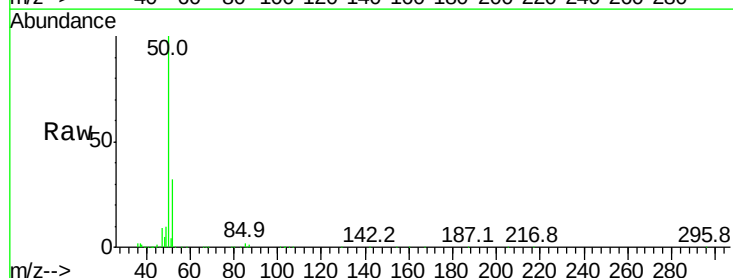
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

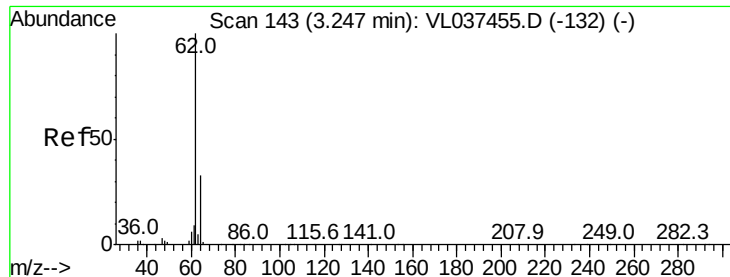
Tgt Ion: 51 Resp: 3838994
Ion Ratio Lower Upper
51 100
67 18.2 14.2 21.2



#4
Chloromethane
Concen: 13.159 ppbv
RT: 3.13 min Scan# 108
Delta R.T. 0.01 min
Lab File: VL037461.D
Acq: 16 Aug 2021 14:18

Tgt Ion: 50 Resp: 1398876
Ion Ratio Lower Upper
50 100
52 32.1 24.0 36.0





#5

Vinyl Chloride

Concen: 12.261 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

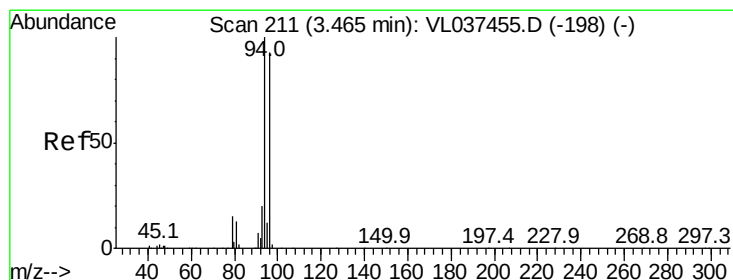
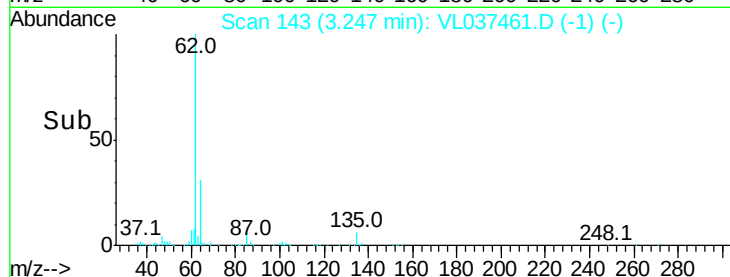
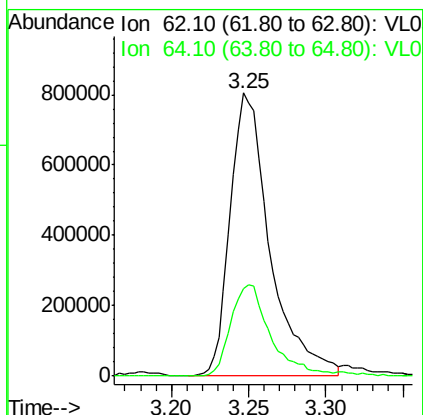
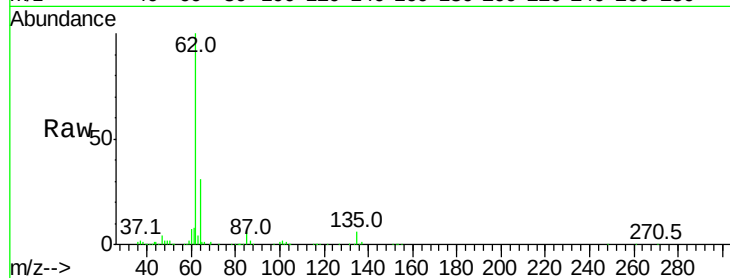
VSTDIC015

Tgt Ion: 62 Resp: 1436038

Ion Ratio Lower Upper

62 100

64 31.1 26.5 39.7



#6

Bromomethane

Concen: 13.258 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL037461.D

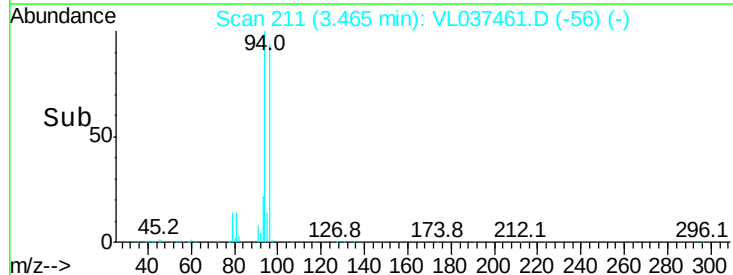
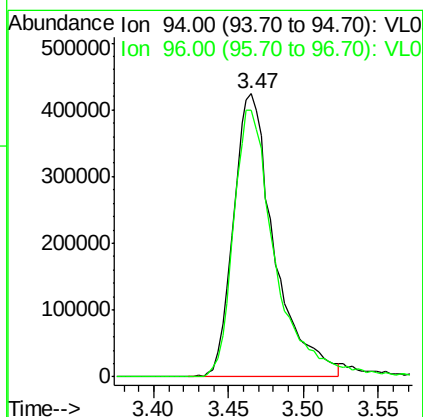
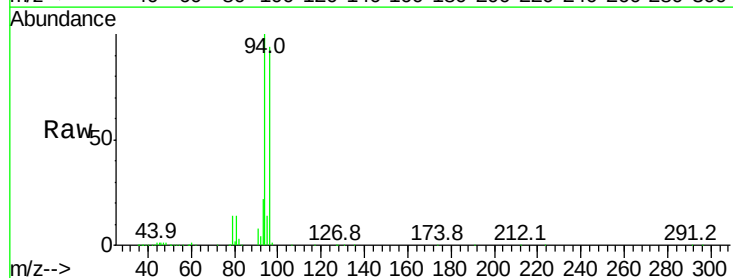
Acq: 16 Aug 2021 14:18

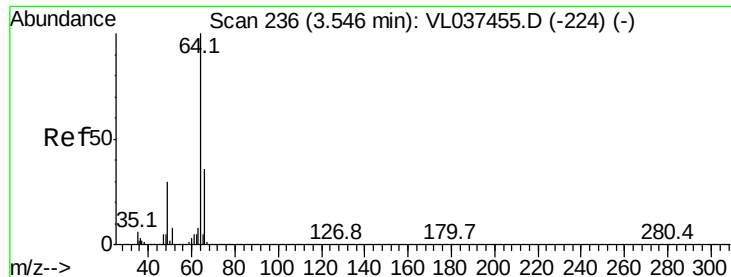
Tgt Ion: 94 Resp: 805280

Ion Ratio Lower Upper

94 100

96 94.2 74.5 111.7





#7

Chloroethane

Concen: 12.380 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

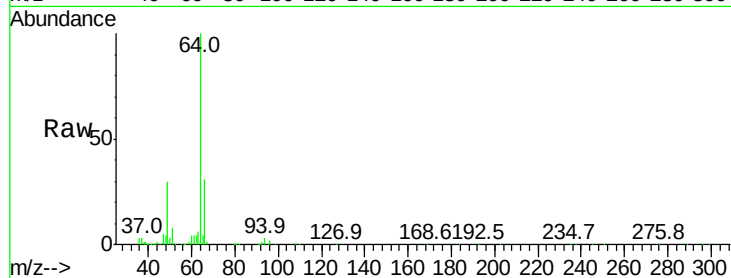
VSTDIC015

Tgt Ion: 64 Resp: 478792

Ion Ratio Lower Upper

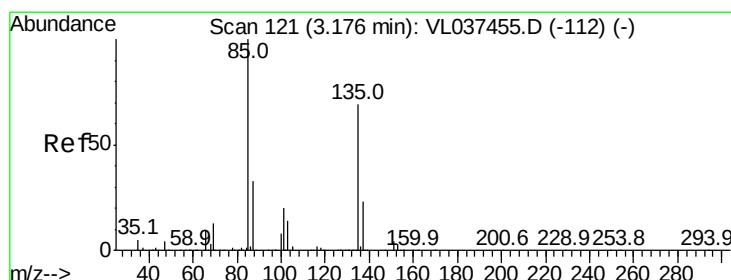
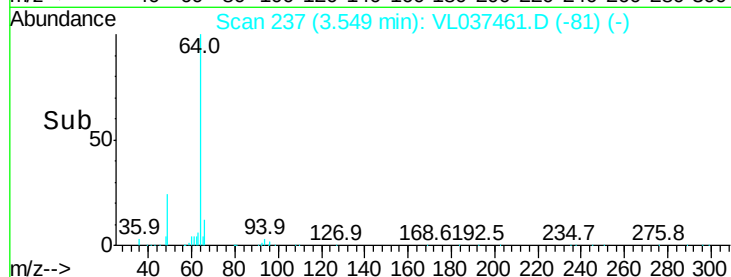
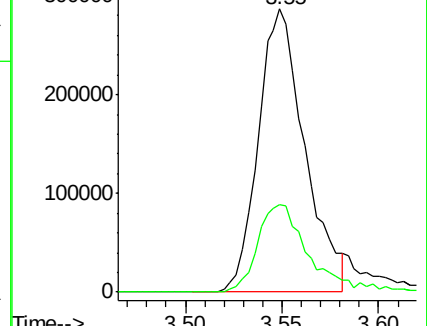
64 100

66 31.0 28.6 43.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 12.772 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037461.D

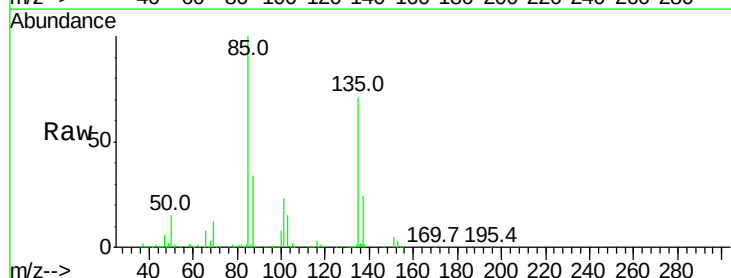
Acq: 16 Aug 2021 14:18

Tgt Ion: 85 Resp: 3279813

Ion Ratio Lower Upper

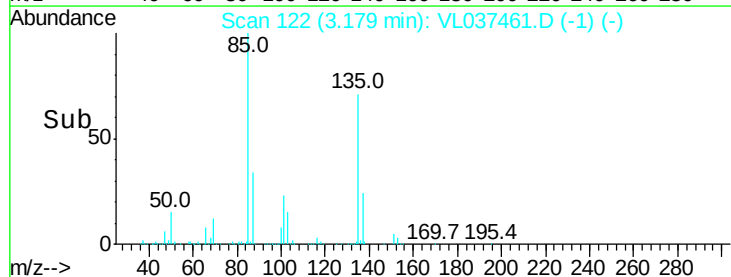
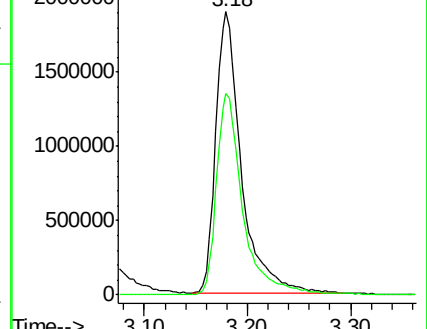
85 100

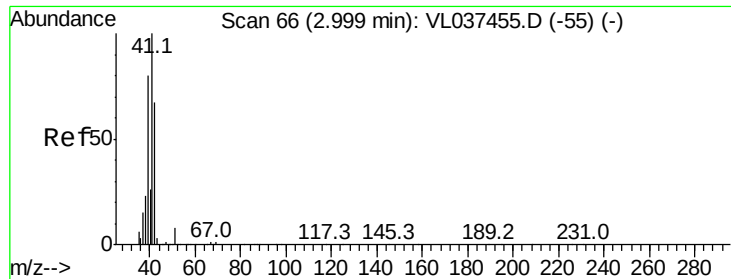
135 73.9 58.8 88.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 13.671 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

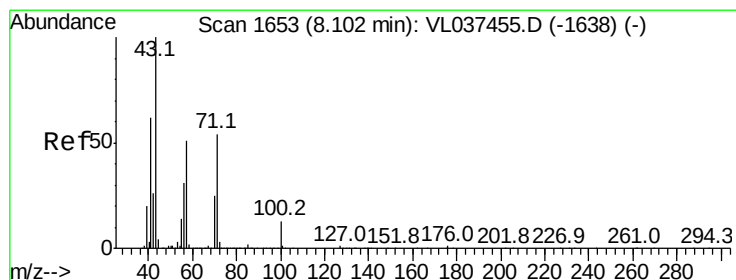
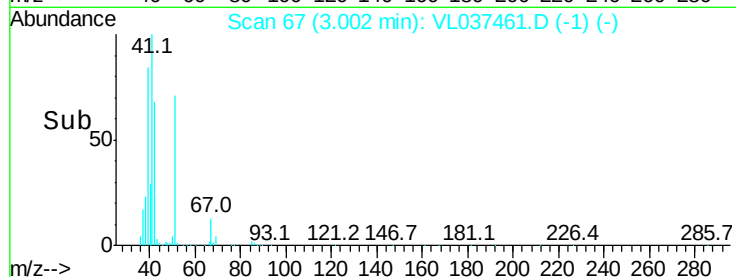
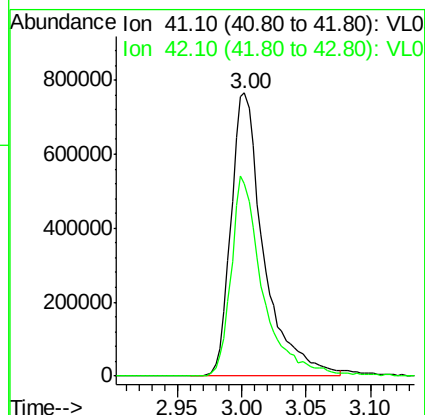
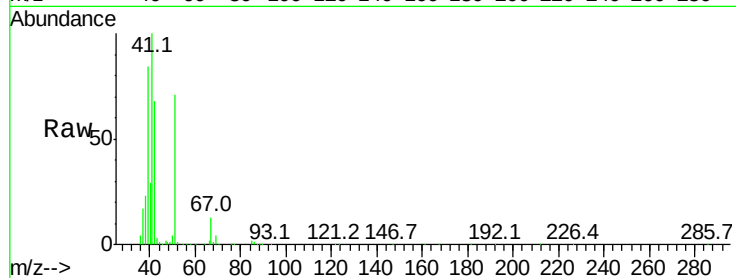
VSTDIC015

Tgt Ion: 41 Resp: 1357591

Ion Ratio Lower Upper

41 100

42 68.3 53.7 80.5



#10

Heptane

Concen: 14.332 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. 0.01 min

Lab File: VL037461.D

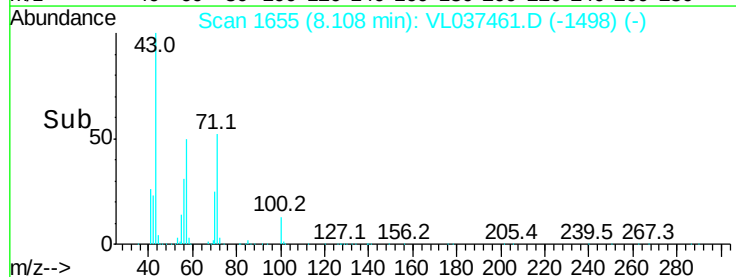
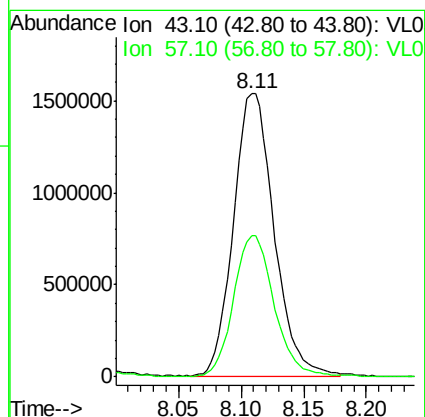
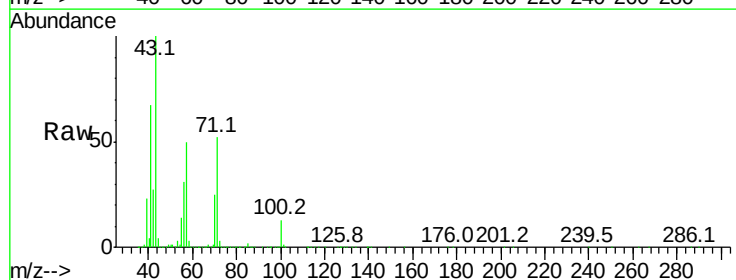
Acq: 16 Aug 2021 14:18

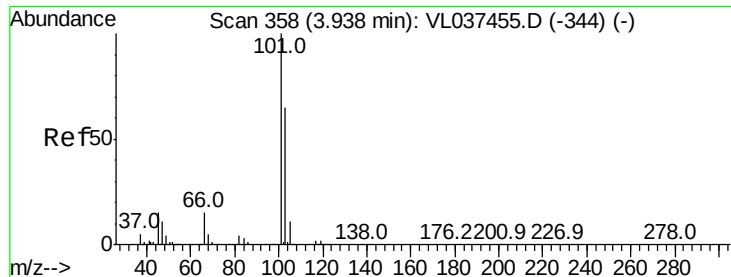
Tgt Ion: 43 Resp: 3460991

Ion Ratio Lower Upper

43 100

57 50.4 41.0 61.6

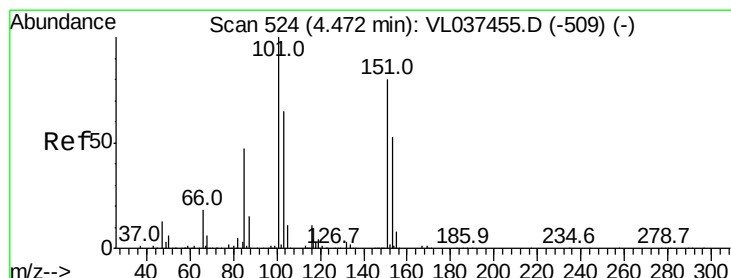
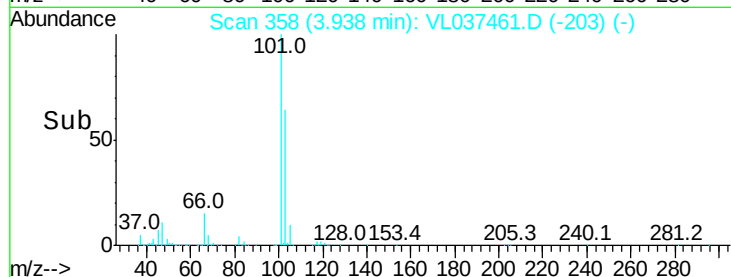
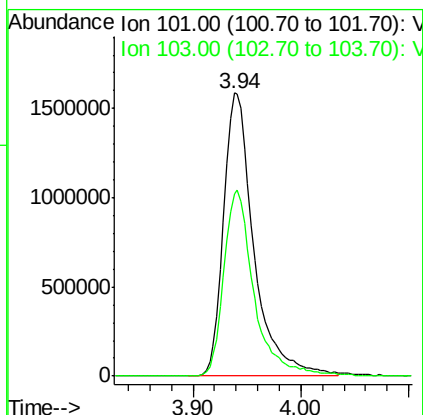
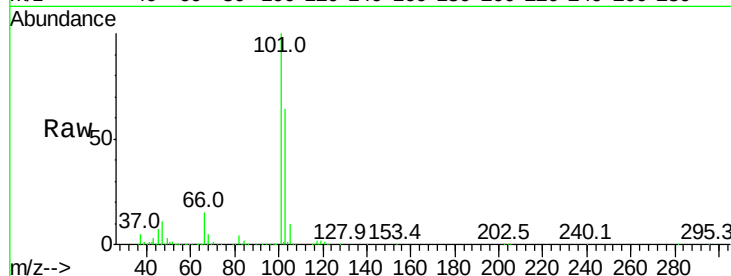




#11
 Trichlorofluoromethane
 Concen: 12.501 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.00 min
 Lab File: VL037461.D
 Acq: 16 Aug 2021 14:18

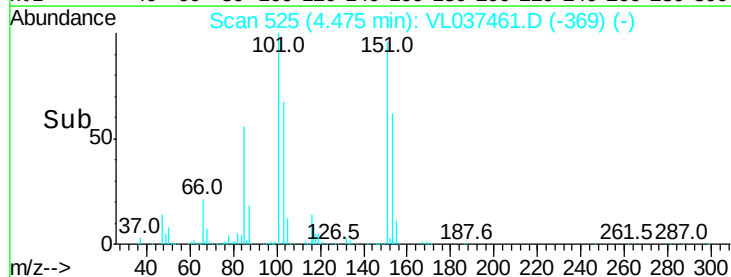
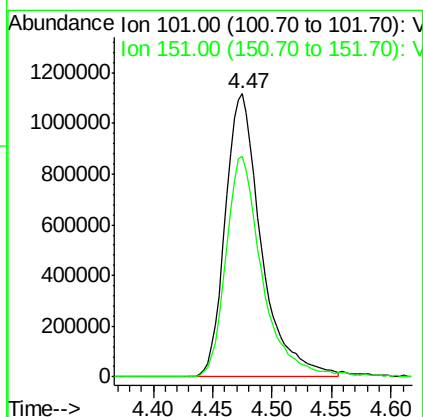
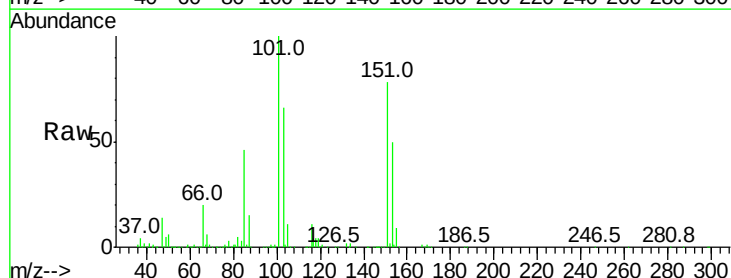
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

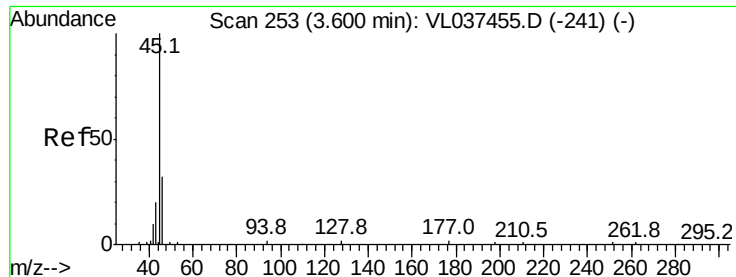
Tgt Ion:101 Resp: 3112381
 Ion Ratio Lower Upper
 101 100
 103 64.3 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 13.442 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VL037461.D
 Acq: 16 Aug 2021 14:18

Tgt Ion:101 Resp: 2344367
 Ion Ratio Lower Upper
 101 100
 151 78.7 63.7 95.5





#13

Ethanol

Concen: 6.021 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

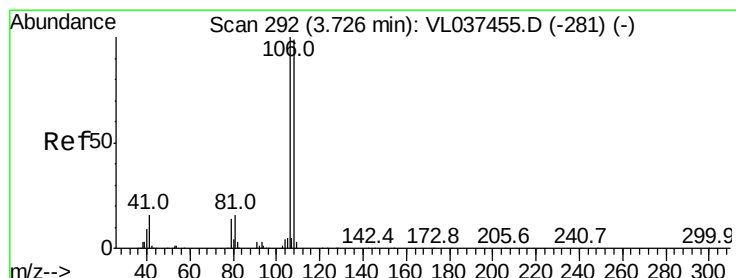
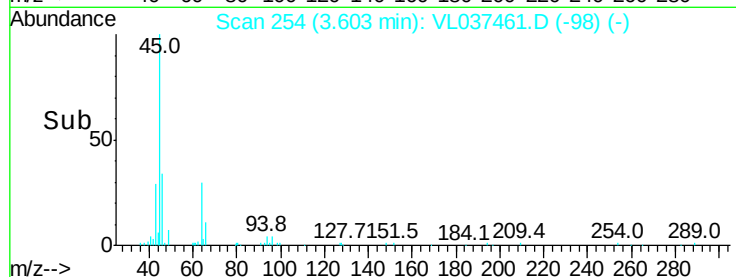
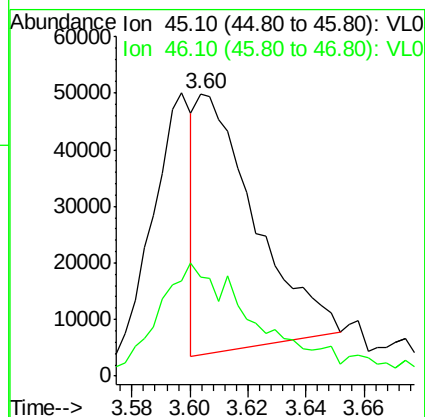
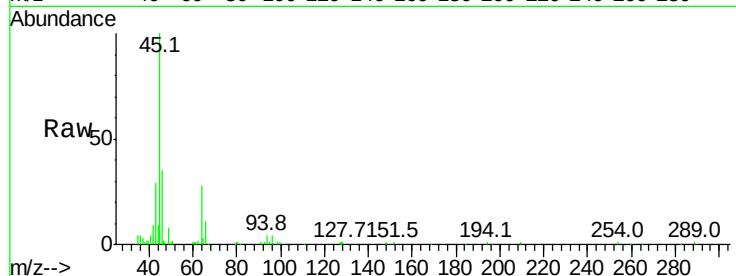
VSTDIC015

Tgt Ion: 45 Resp: 63816

Ion Ratio Lower Upper

45 100

46 86.7 14.1 56.5#



#14

Bromoethene

Concen: 12.879 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.00 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

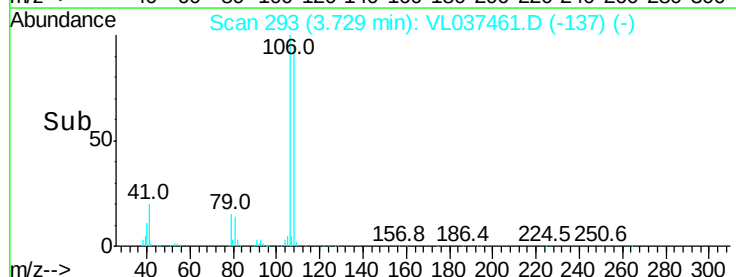
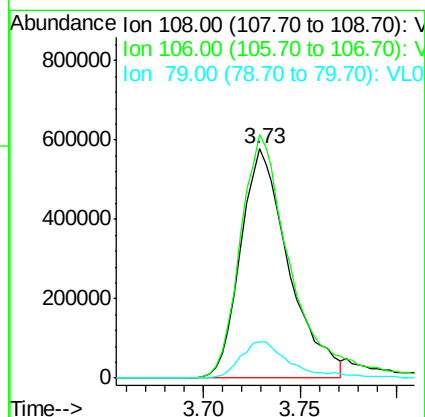
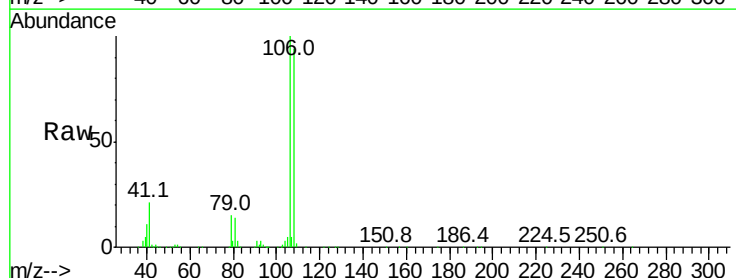
Tgt Ion: 108 Resp: 999129

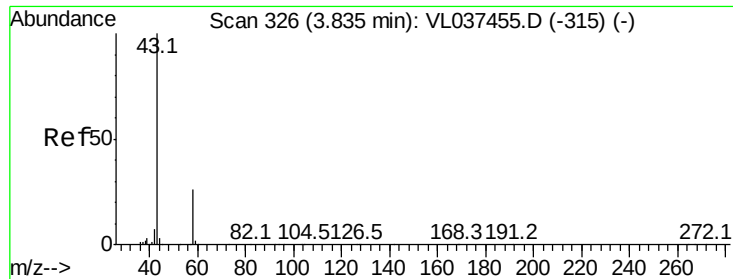
Ion Ratio Lower Upper

108 100

106 114.2 85.8 128.8

79 17.2 12.6 18.8





#15

Acetone

Concen: 11.253 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

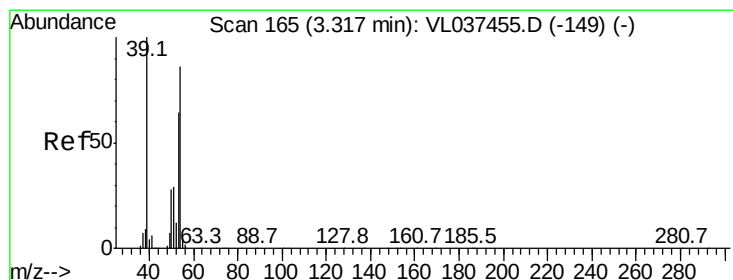
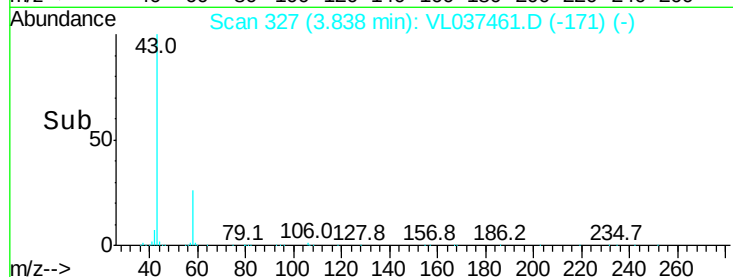
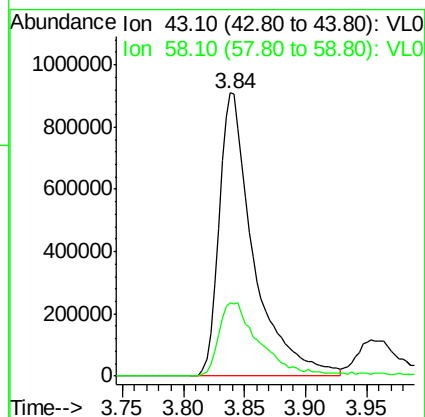
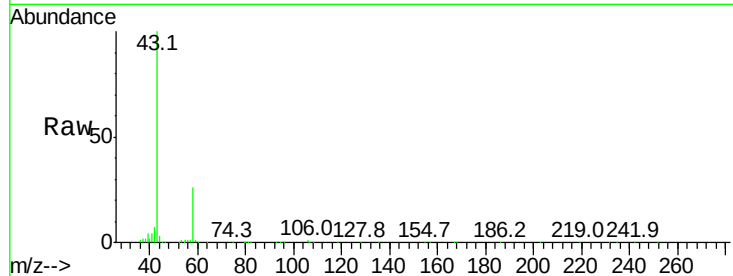
VSTDIC015

Tgt Ion: 43 Resp: 1797233

Ion Ratio Lower Upper

43 100

58 30.7 24.8 37.2



#16

1,3-Butadiene

Concen: 13.291 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL037461.D

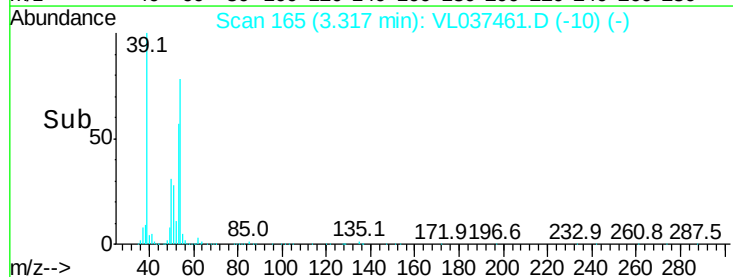
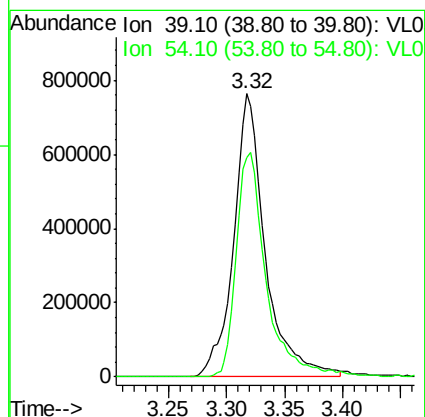
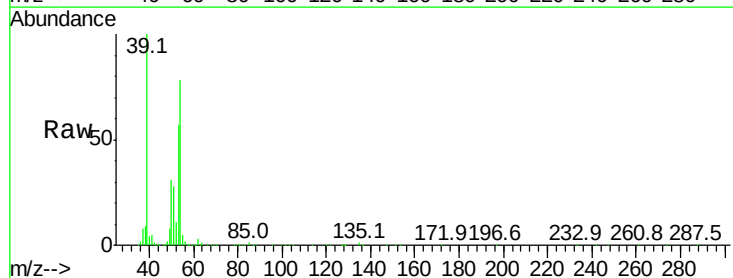
Acq: 16 Aug 2021 14:18

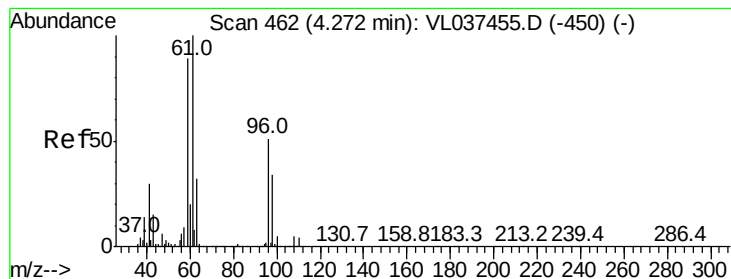
Tgt Ion: 39 Resp: 1424676

Ion Ratio Lower Upper

39 100

54 76.7 63.7 95.5





#17

tert-Butyl alcohol

Concen: 11.900 ppbv

RT: 4.28 min Scan# 463

Delta R.T. 0.00 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

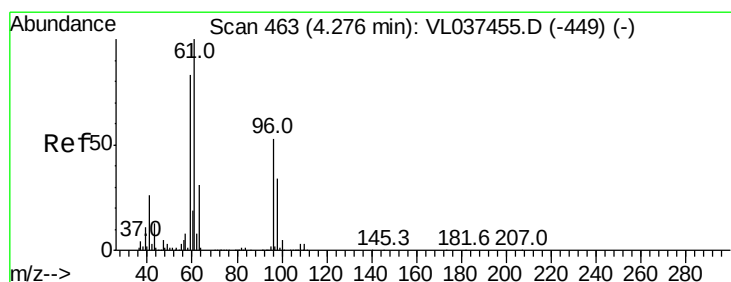
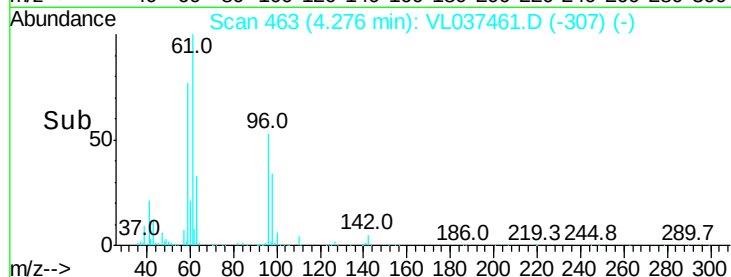
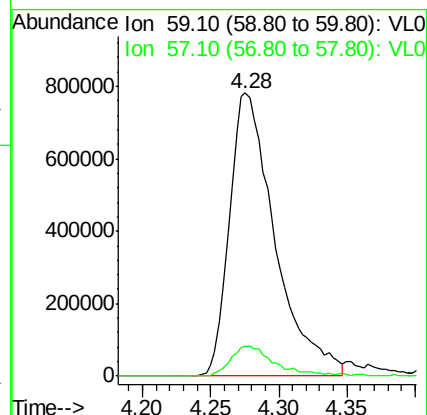
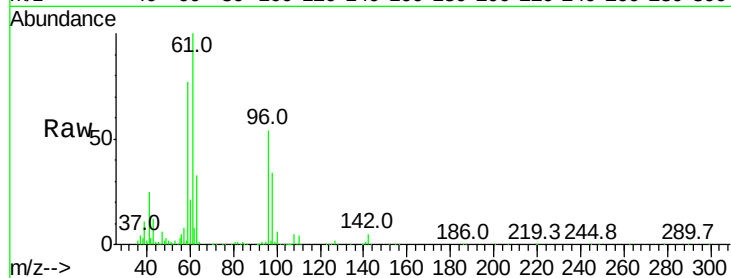
VSTDIC015

Tgt Ion: 59 Resp: 1814077

Ion Ratio Lower Upper

59 100

57 10.6 8.3 12.5



#18

1,1-Dichloroethene

Concen: 13.031 ppbv

RT: 4.28 min Scan# 464

Delta R.T. 0.00 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

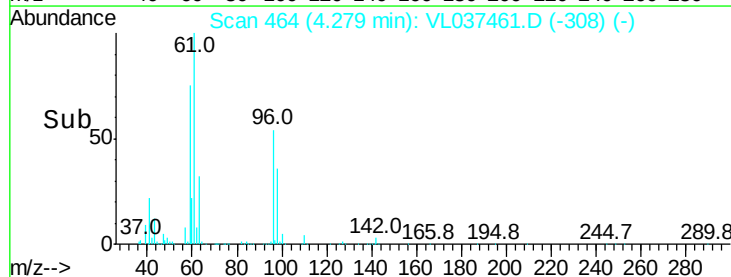
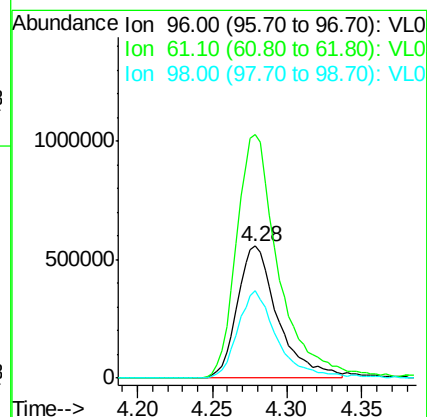
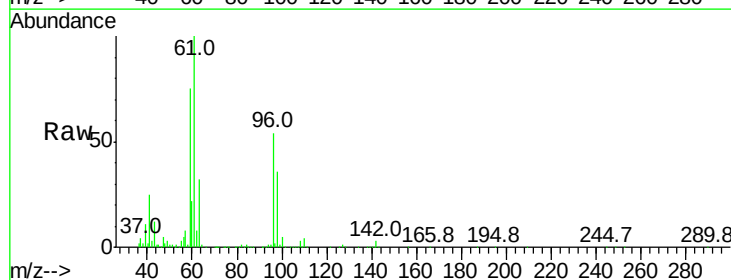
Tgt Ion: 96 Resp: 1055177

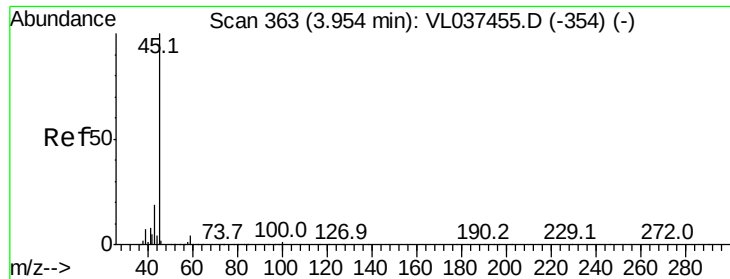
Ion Ratio Lower Upper

96 100

61 184.2 151.1 226.7

98 66.0 51.8 77.8





#19

Isopropyl Alcohol

Concen: 11.516 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

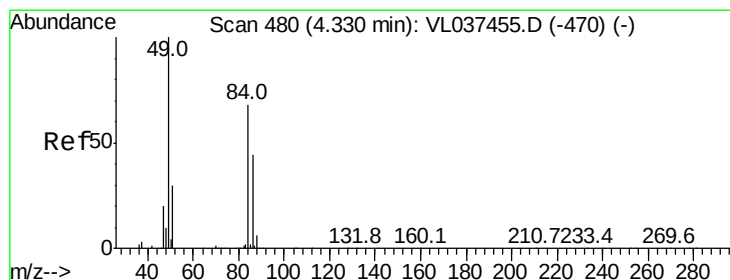
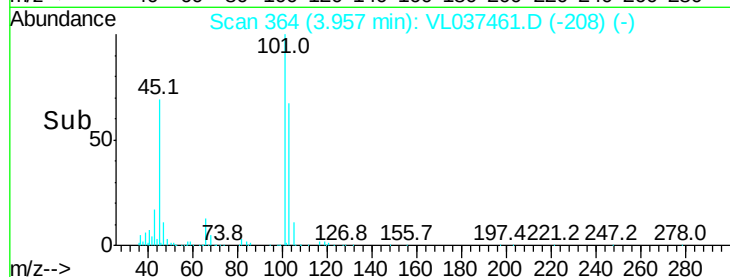
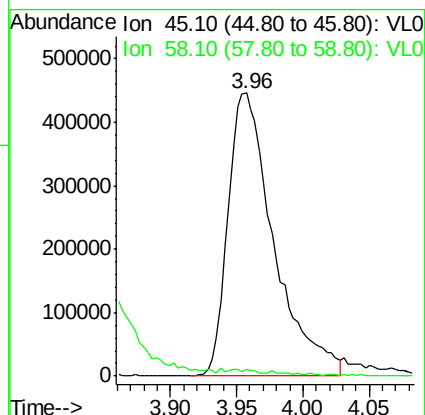
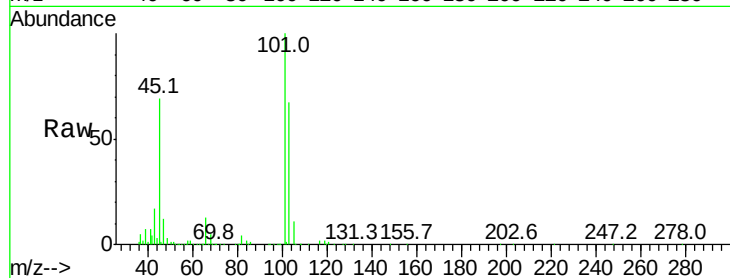
VSTDIC015

Tgt Ion: 45 Resp: 1070430

Ion Ratio Lower Upper

45 100

58 2.1 1.4 2.2



#20

Methylene Chloride

Concen: 10.846 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Tgt Ion: 84 Resp: 915964

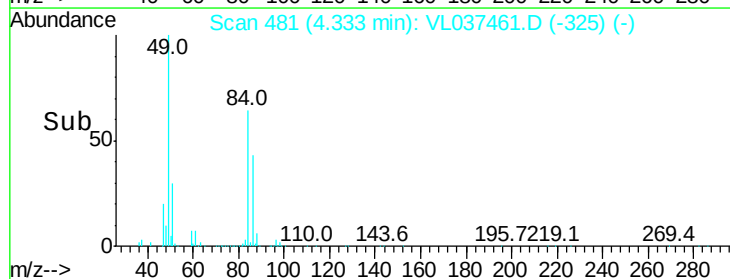
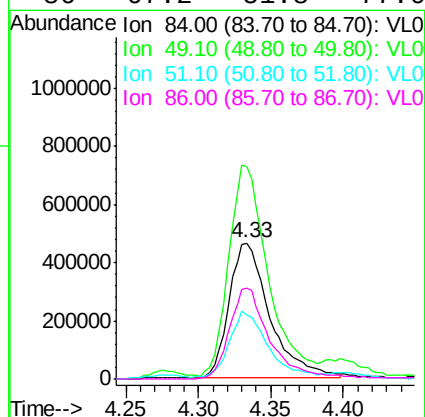
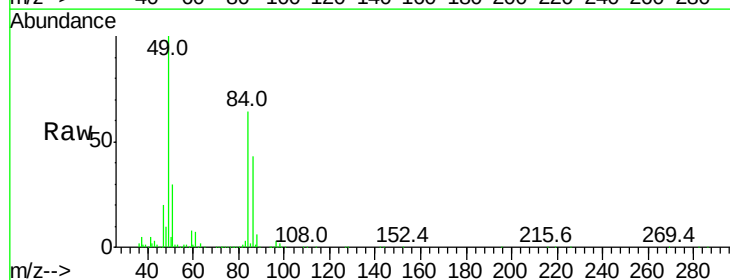
Ion Ratio Lower Upper

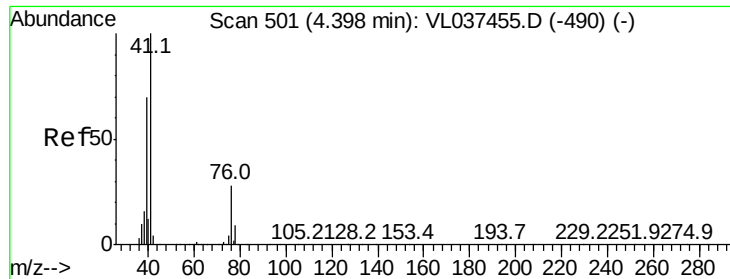
84 100

49 153.9 118.2 177.2

51 46.2 36.6 55.0

86 67.2 51.8 77.6

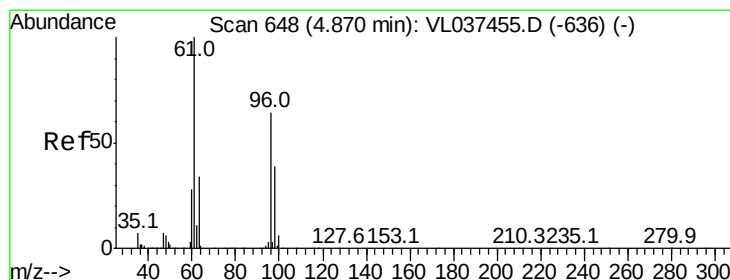
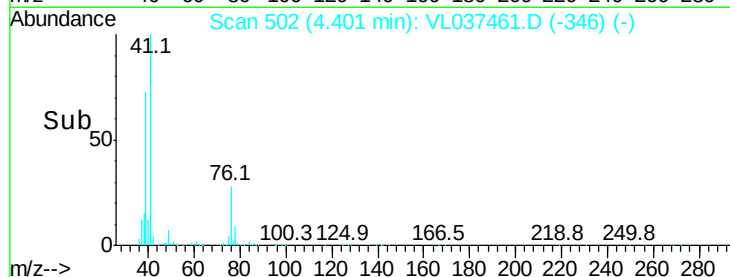
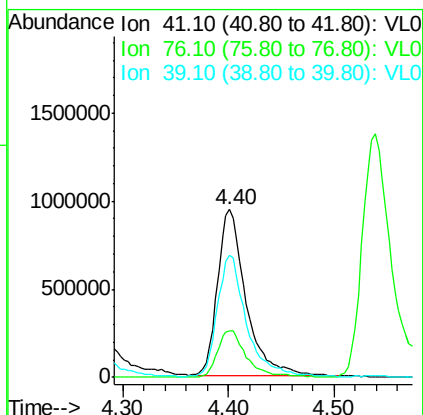
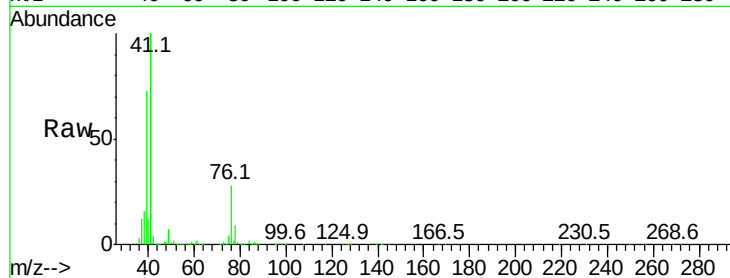




#21
 Allyl Chloride
 Concen: 14.098 ppbv
 RT: 4.40 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VL037461.D
 Acq: 16 Aug 2021 14:18

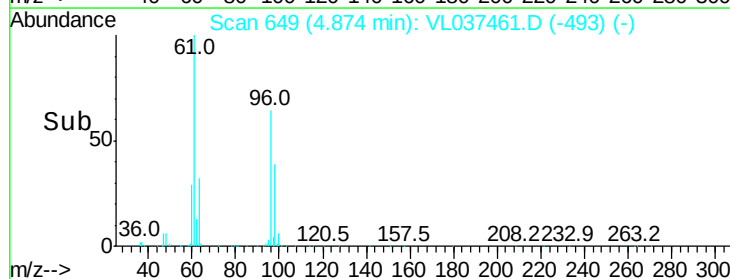
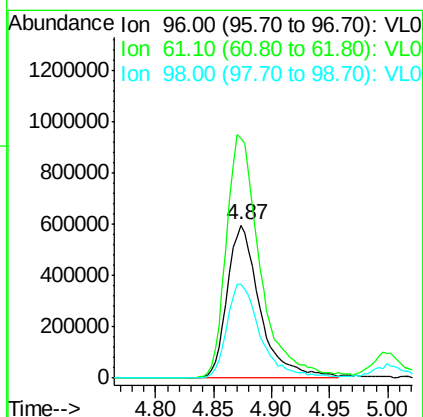
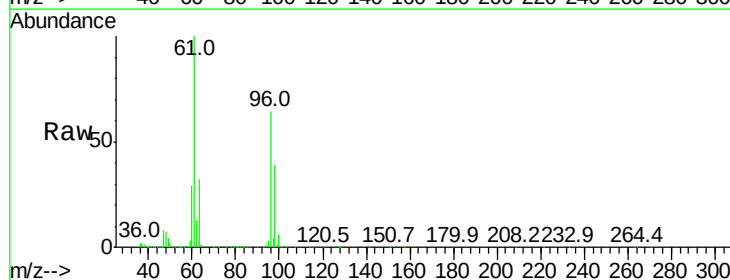
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

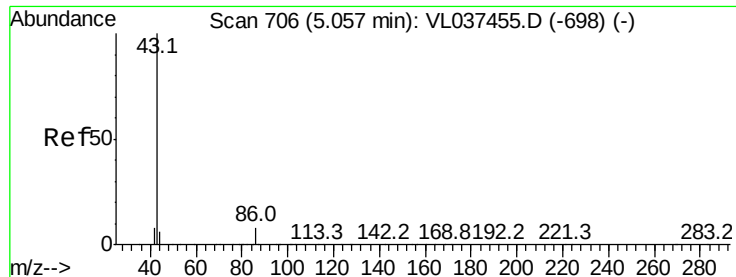
Tgt Ion: 41 Resp: 1764385
 Ion Ratio Lower Upper
 41 100
 76 28.7 21.8 32.6
 39 75.0 56.8 85.2



#22
 trans-1,2-Dichloroethene
 Concen: 15.288 ppbv
 RT: 4.87 min Scan# 649
 Delta R.T. 0.00 min
 Lab File: VL037461.D
 Acq: 16 Aug 2021 14:18

Tgt Ion: 96 Resp: 1161194
 Ion Ratio Lower Upper
 96 100
 61 157.1 125.5 188.3
 98 61.3 49.0 73.4





#23

Vinyl Acetate

Concen: 11.369 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 2786193

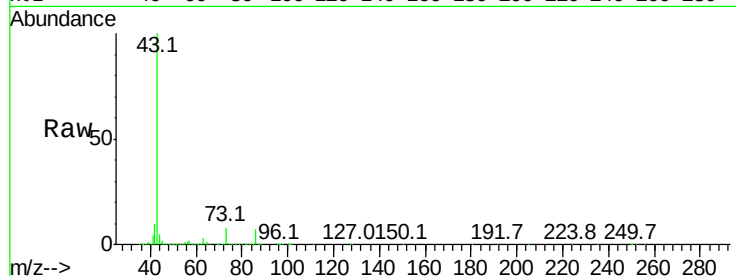
Ion Ratio Lower Upper

43 100

86 7.4 5.7 8.5

42 10.0 7.4 11.2

44 5.0 4.3 6.5

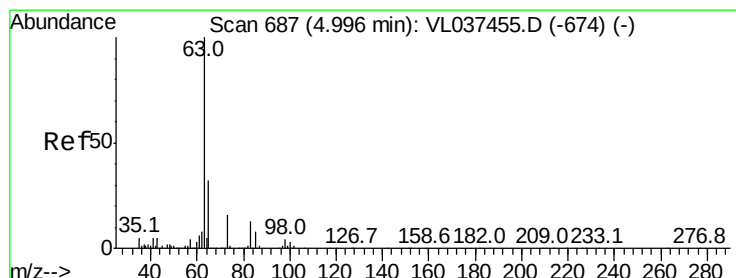
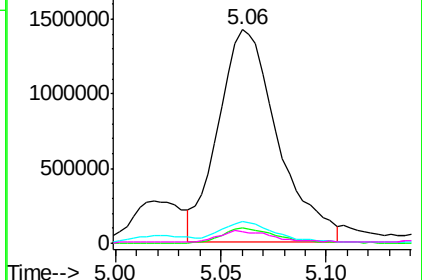
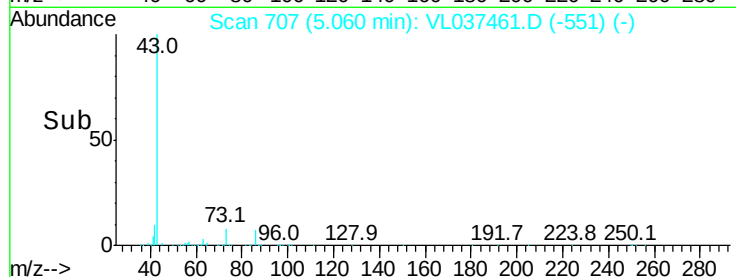


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 11.466 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.00 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

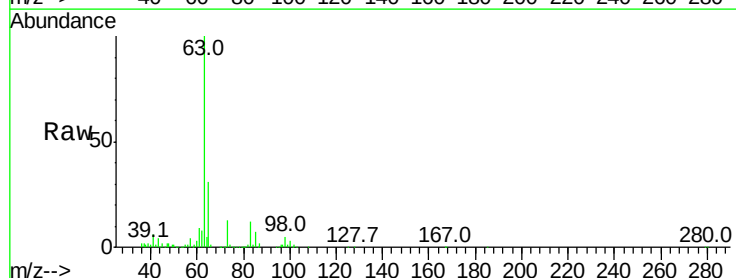
Tgt Ion: 63 Resp: 2182417

Ion Ratio Lower Upper

63 100

98 5.0 2.1 6.3

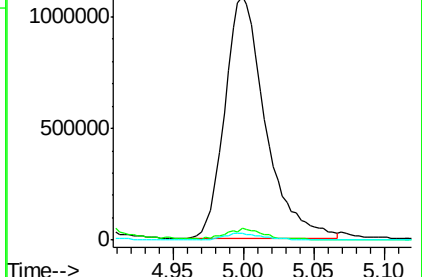
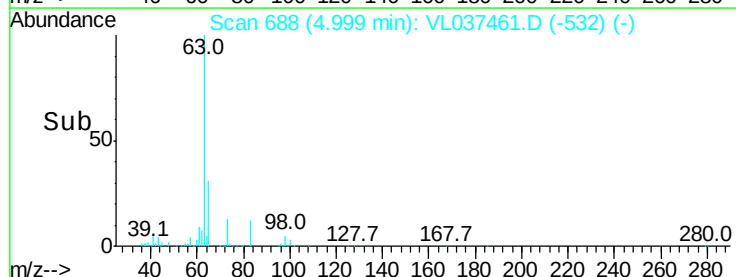
100 3.0 1.6 4.7

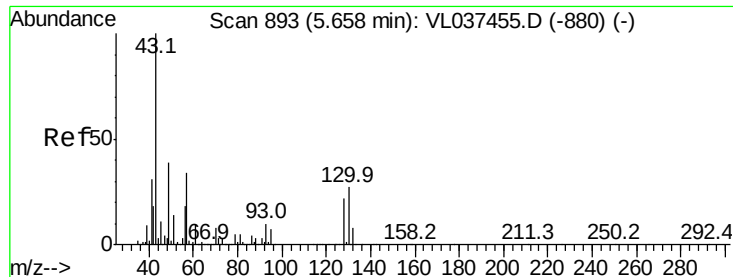


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 14.071 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 5355815

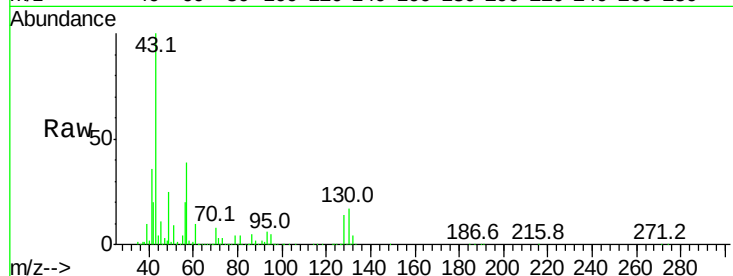
Ion Ratio Lower Upper

43 100

45 9.9 8.0 12.0

61 10.2 8.0 12.0

70 7.2 5.6 8.4

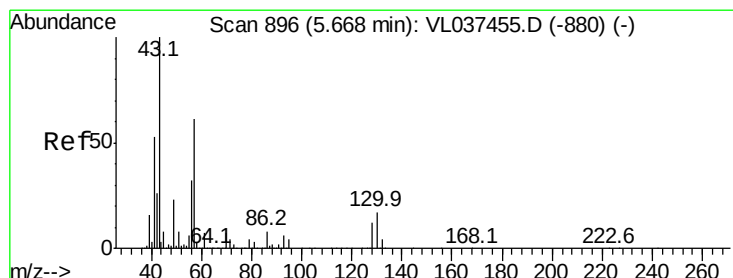
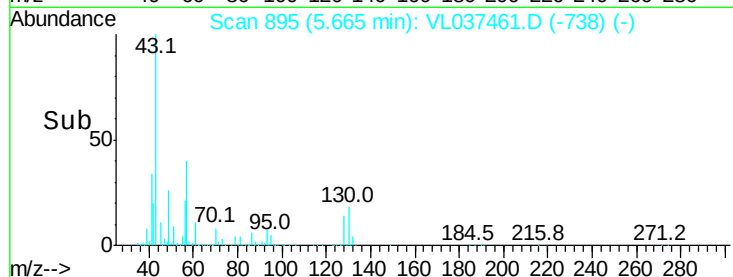
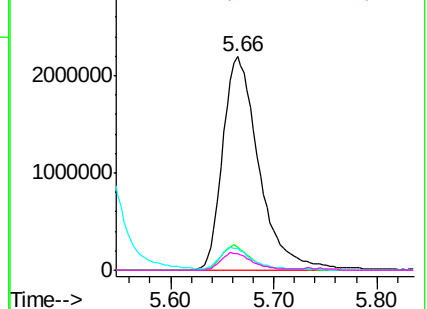


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 12.848 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Tgt Ion: 57 Resp: 2523659

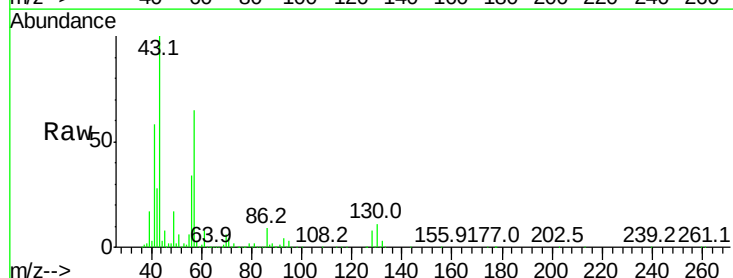
Ion Ratio Lower Upper

57 100

41 90.3 72.3 108.5

43 214.4 172.3 258.5

56 53.8 42.8 64.2

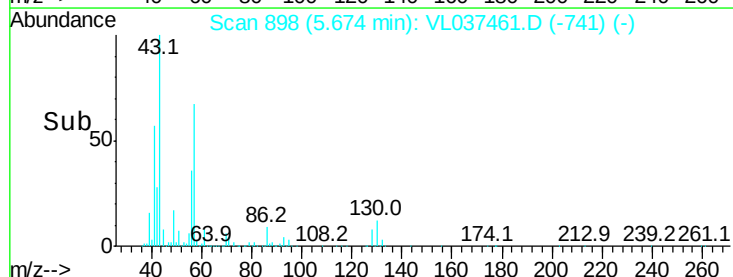
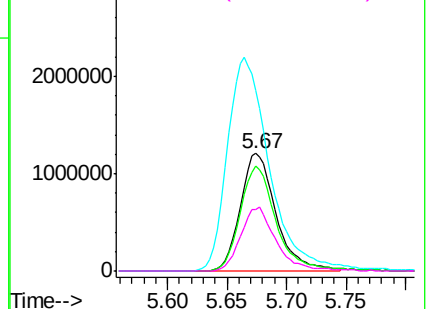


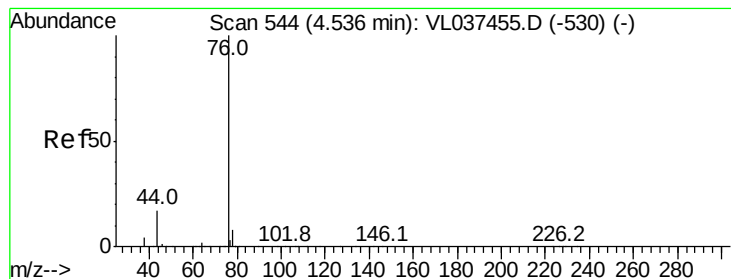
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 16.442 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

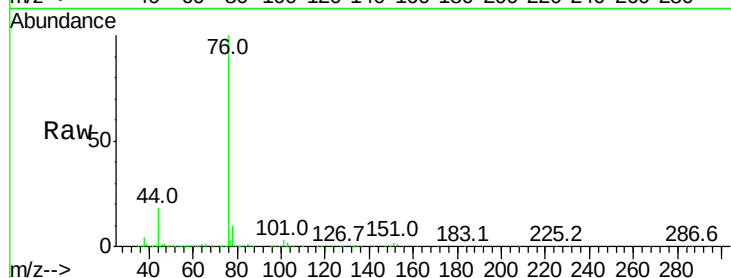
Tgt Ion: 76 Resp: 2722847

Ion	Ratio	Lower	Upper
76	100		
44	17.4	13.9	20.9
78	9.5	7.9	11.9

76 100

44 17.4 13.9 20.9

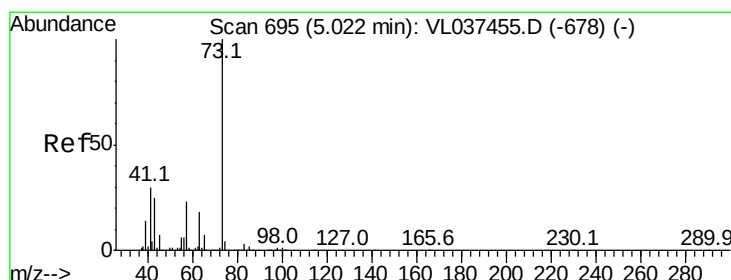
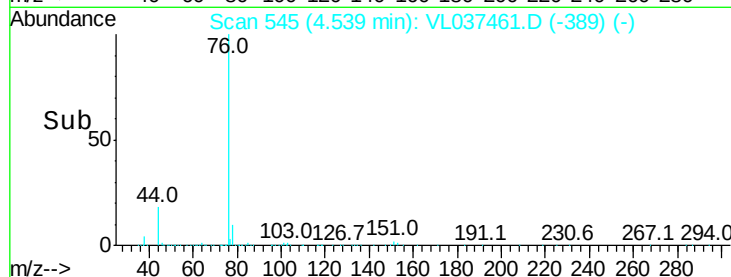
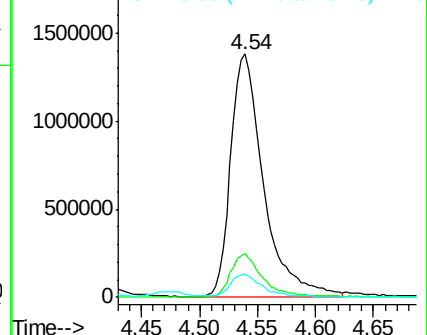
78 9.5 7.9 11.9



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.881 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL037461.D

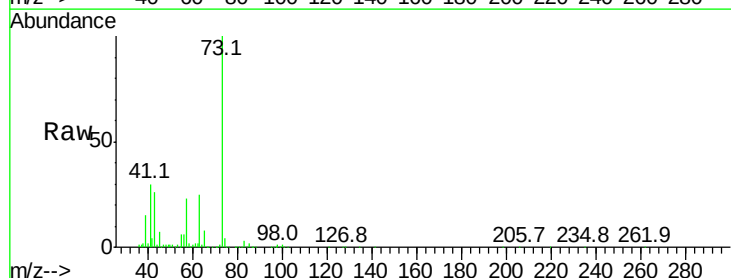
Acq: 16 Aug 2021 14:18

Tgt Ion: 73 Resp: 2287366

Ion	Ratio	Lower	Upper
73	100		
57	24.4	19.4	29.2

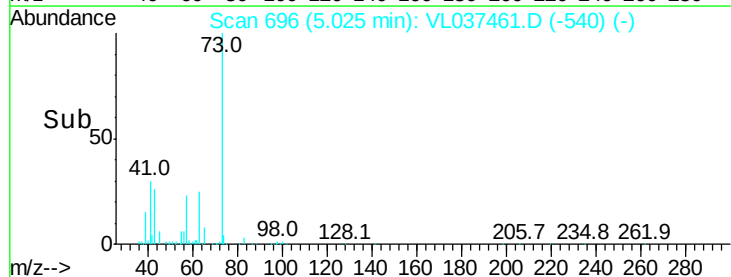
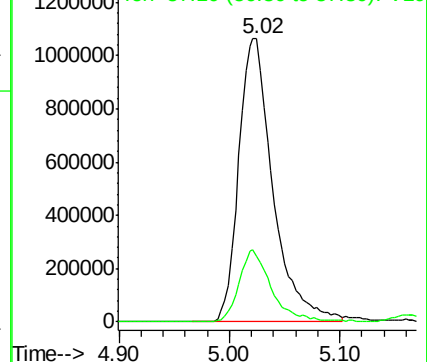
73 100

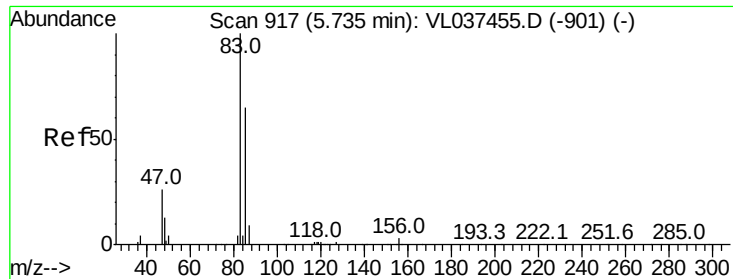
57 24.4 19.4 29.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

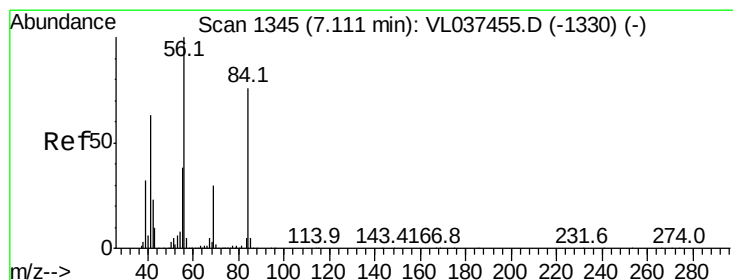
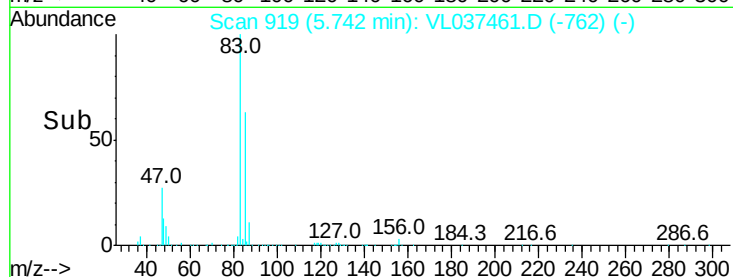
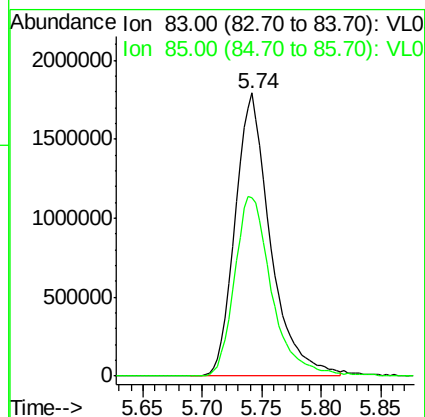
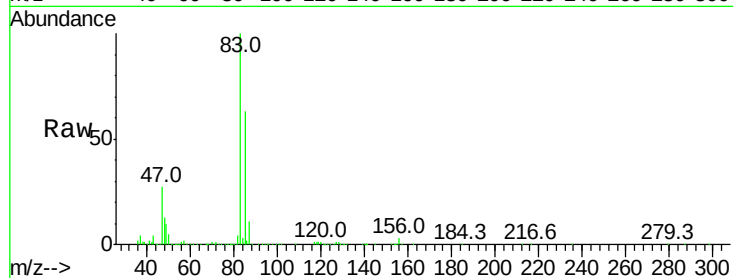




#29
Chloroform
Concen: 13.329 ppbv
RT: 5.74 min Scan# 919
Delta R.T. 0.01 min
Lab File: VL037461.D
Acq: 16 Aug 2021 14:18

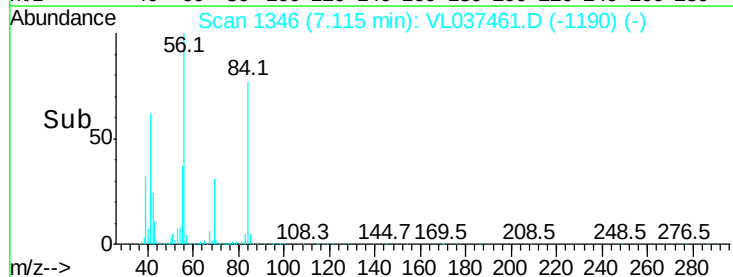
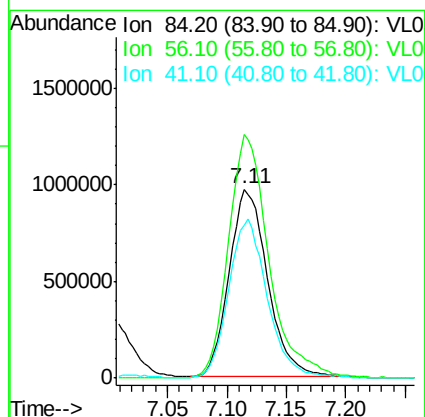
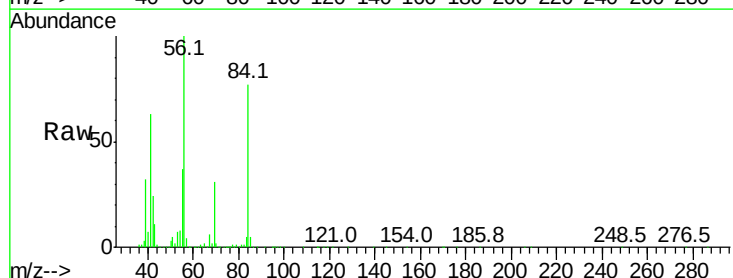
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

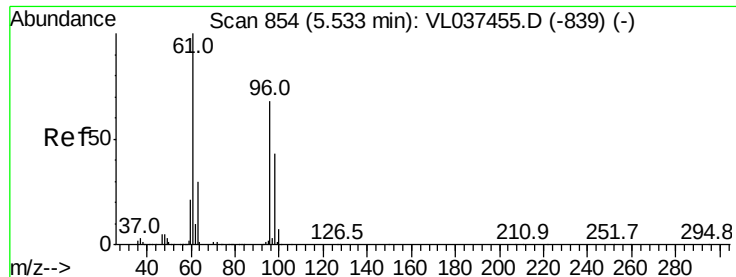
Tgt Ion: 83 Resp: 3686289
Ion Ratio Lower Upper
83 100
85 62.9 52.3 78.5



#30
Cyclohexane
Concen: 13.502 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037461.D
Acq: 16 Aug 2021 14:18

Tgt Ion: 84 Resp: 2184242
Ion Ratio Lower Upper
84 100
56 137.2 110.6 165.8
41 84.6 67.0 100.6



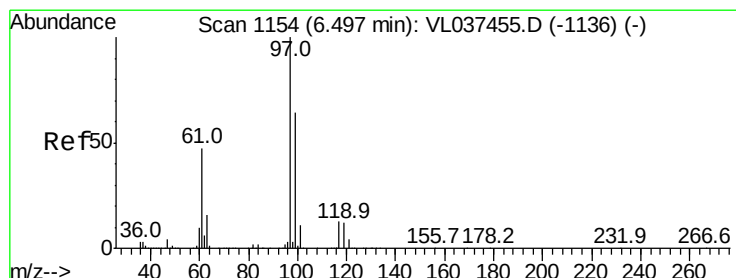
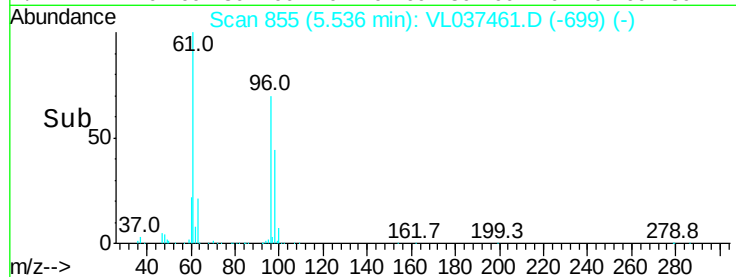
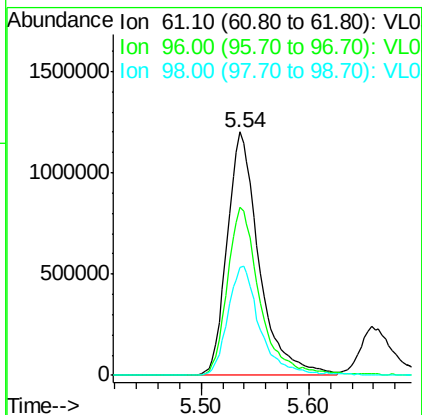
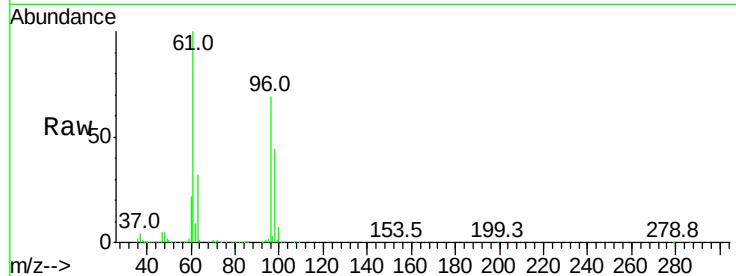


#31

cis-1,2-Dichloroethene
 Concen: 14.607 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL037461.D
 Acq: 16 Aug 2021 14:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

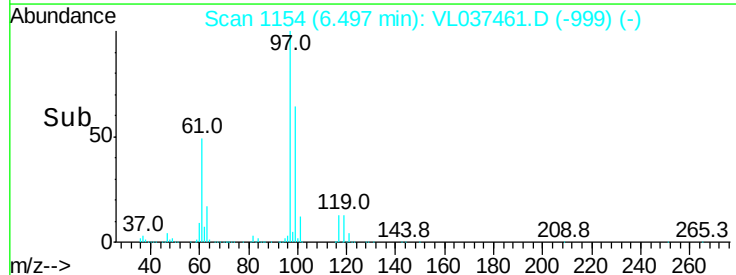
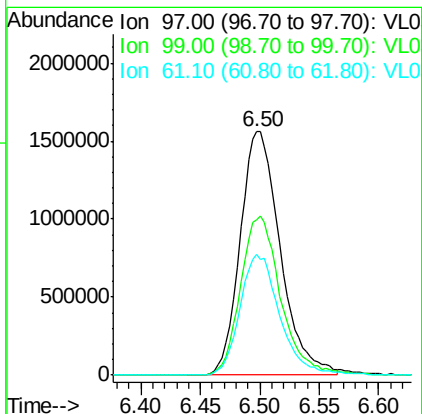
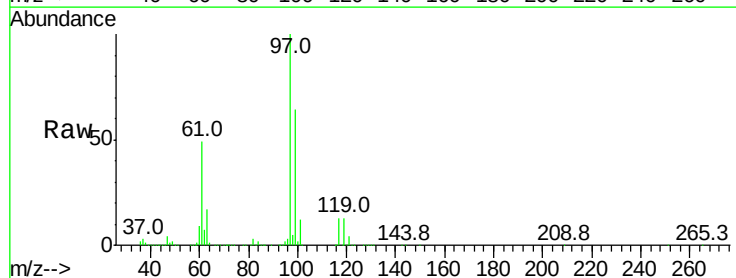
Tgt Ion: 61 Resp: 2480153
 Ion Ratio Lower Upper
 61 100
 96 69.1 54.8 82.2
 98 44.2 34.2 51.2

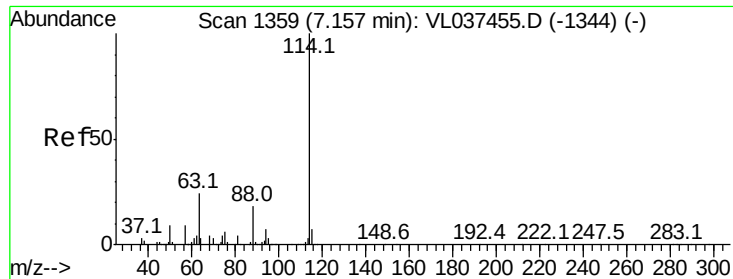


#32

1,1,1-Trichloroethane
 Concen: 13.063 ppbv
 RT: 6.50 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VL037461.D
 Acq: 16 Aug 2021 14:18

Tgt Ion: 97 Resp: 3645877
 Ion Ratio Lower Upper
 97 100
 99 65.7 51.8 77.6
 61 49.3 39.6 59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. 0.01 min

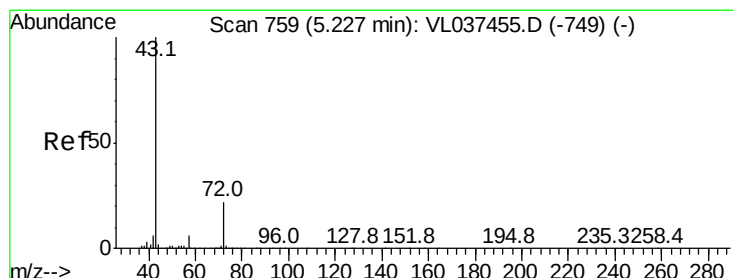
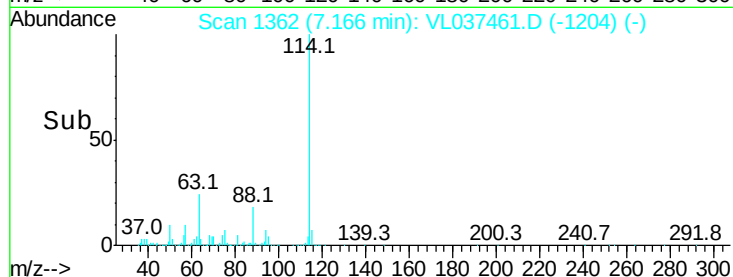
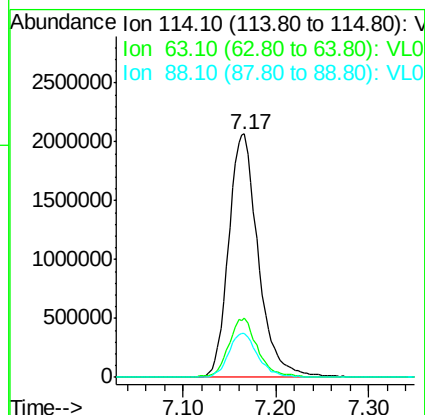
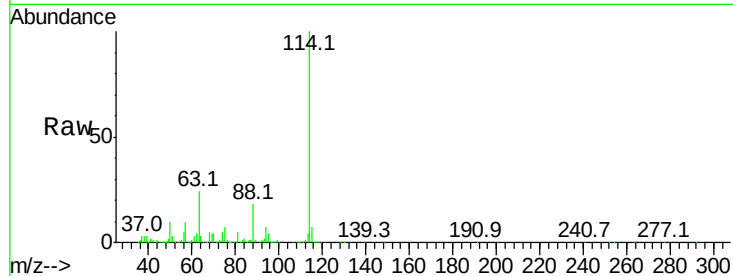
Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:114 Resp: 4567279

Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.3	28.9
88	18.0	14.2	21.4



#34

2-Butanone

Concen: 12.592 ppbv

RT: 5.23 min Scan# 761

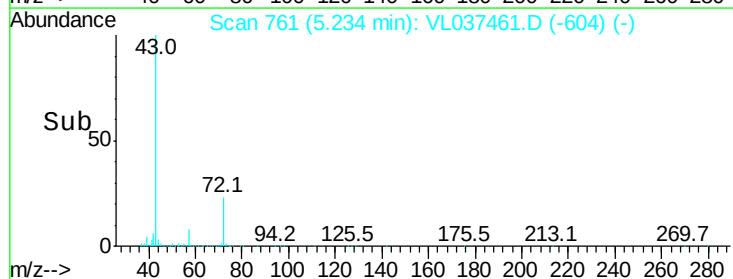
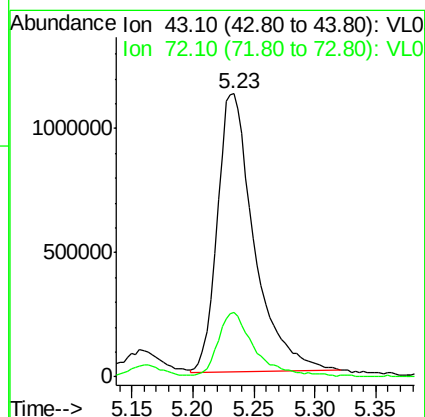
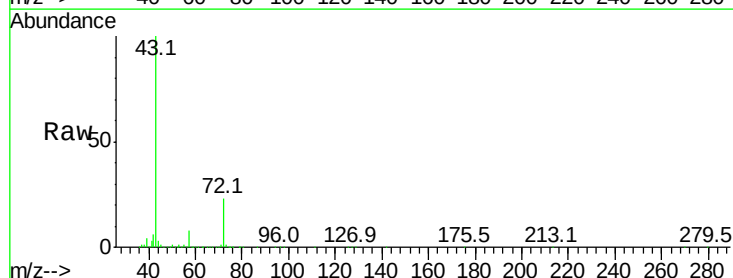
Delta R.T. 0.01 min

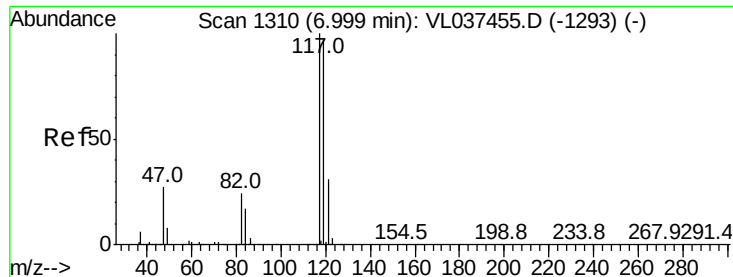
Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Tgt Ion: 43 Resp: 2374389

Ion	Ratio	Lower	Upper
43	100		
72	23.0	17.4	26.0





#35

Carbon Tetrachloride

Concen: 13.689 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

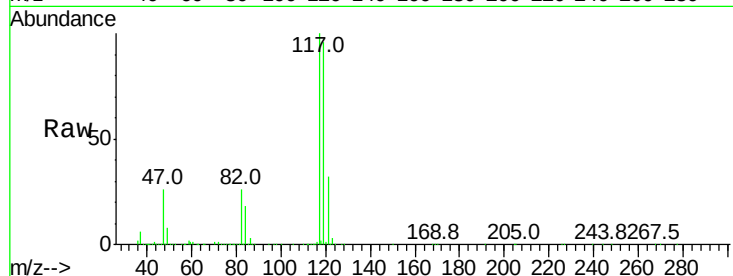
Tgt Ion:117 Resp: 3855554

Ion Ratio Lower Upper

117 100

119 95.8 77.3 115.9

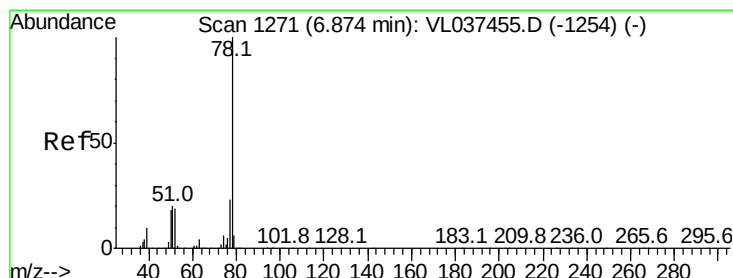
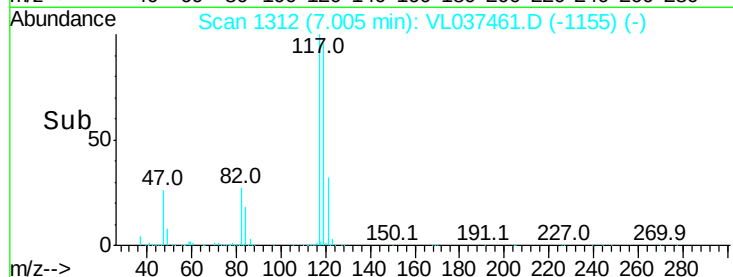
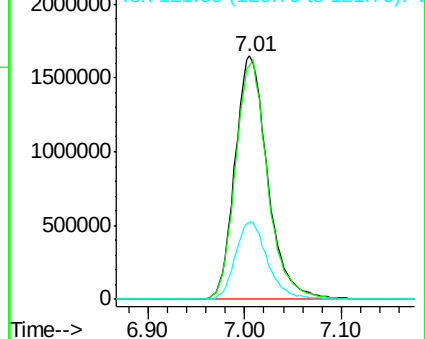
121 31.7 25.2 37.8



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: 13.901 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

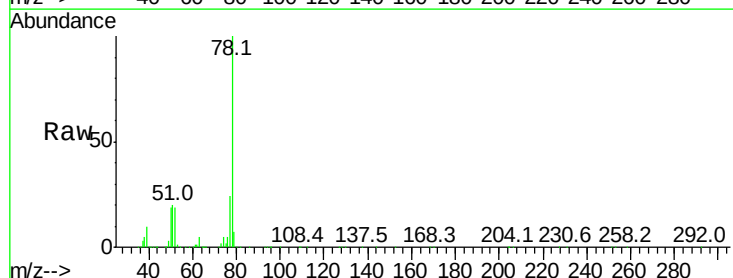
Tgt Ion: 78 Resp: 5353625

Ion Ratio Lower Upper

78 100

77 24.1 18.2 27.4

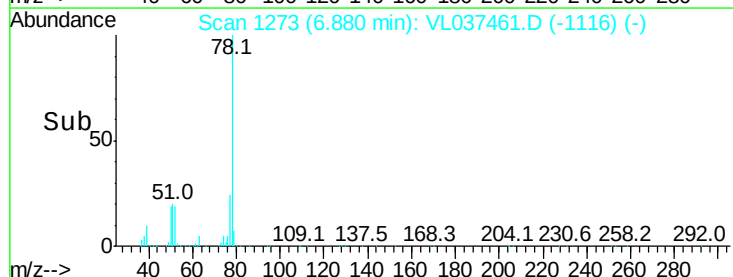
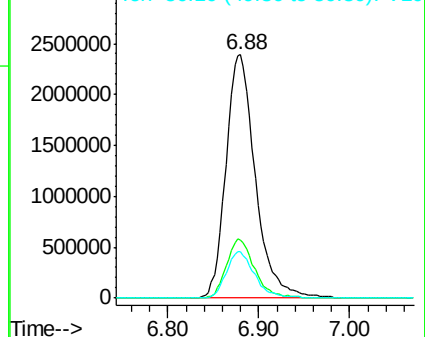
50 19.1 14.6 21.8

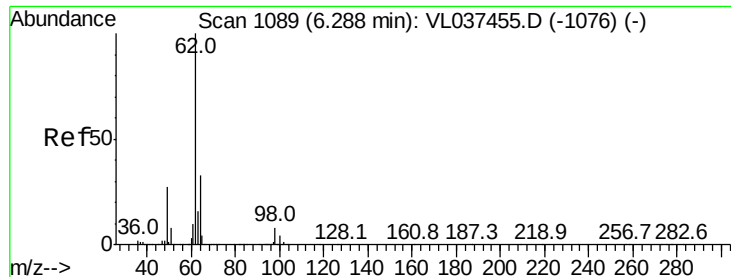


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

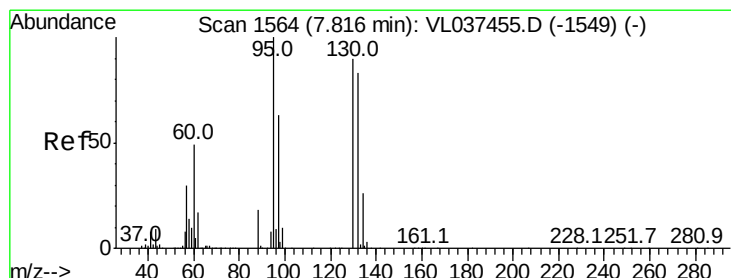
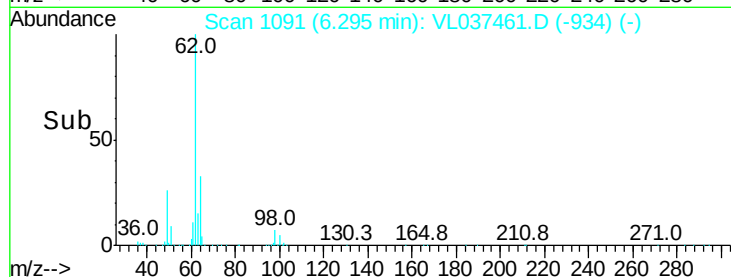
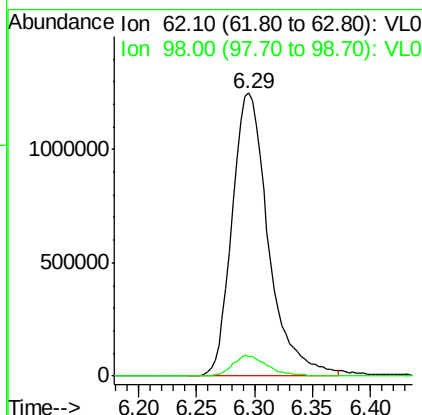
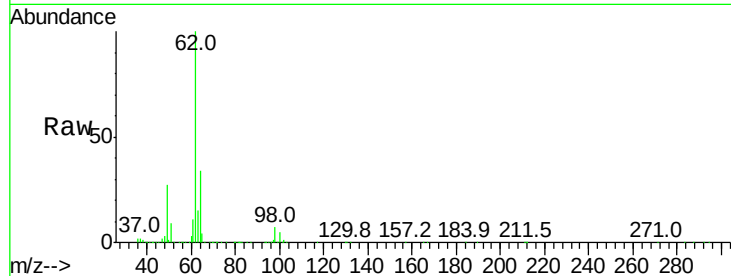




#37
1,2-Dichloroethane
Concen: 13.815 ppbv
RT: 6.29 min Scan# 1091
Delta R.T. 0.01 min
Lab File: VL037461.D
Acq: 16 Aug 2021 14:18

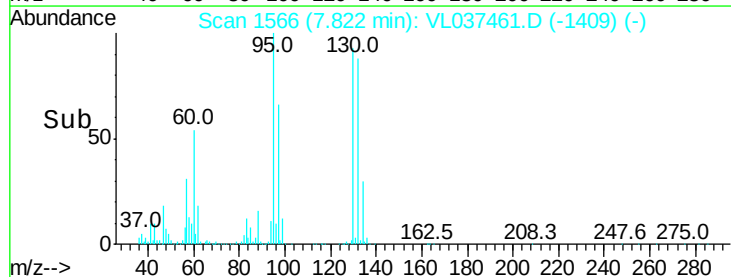
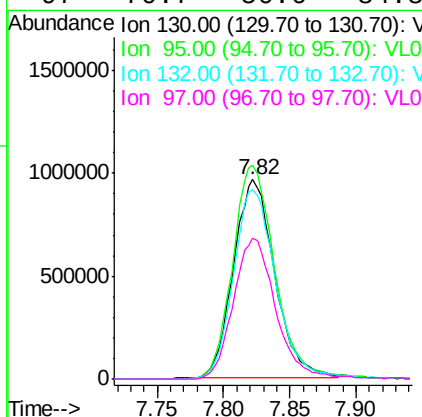
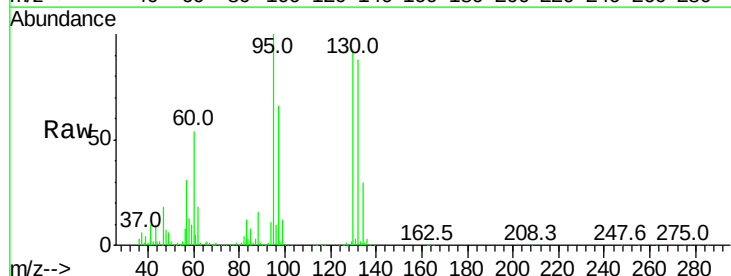
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

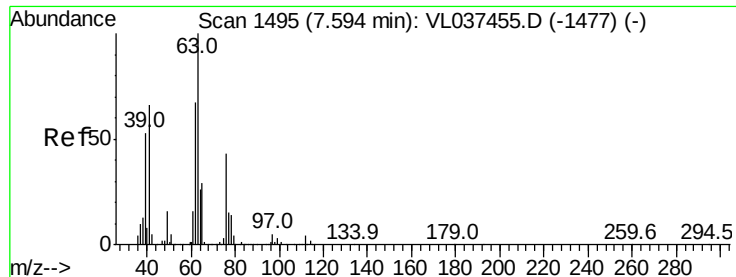
Tgt Ion: 62 Resp: 2715219
Ion Ratio Lower Upper
62 100
98 7.2 6.0 9.0



#38
Trichloroethene
Concen: 12.245 ppbv
RT: 7.82 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VL037461.D
Acq: 16 Aug 2021 14:18

Tgt Ion: 130 Resp: 2081364
Ion Ratio Lower Upper
130 100
95 107.8 89.2 133.8
132 95.4 74.0 111.0
97 70.7 56.6 84.8





#39

1,2-Dichloropropane

Concen: 13.946 ppbv

RT: 7.60 min Scan# 1497

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

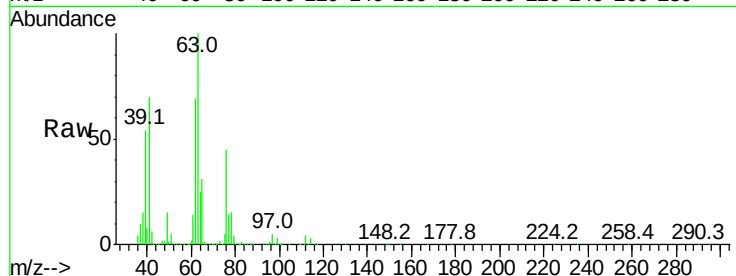
Tgt Ion: 63 Resp: 2046040

Ion Ratio Lower Upper

63 100

41 69.9 52.4 78.6

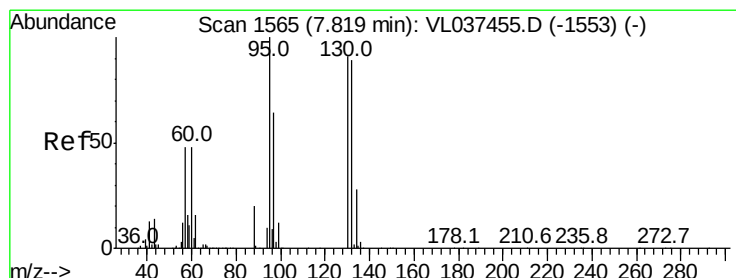
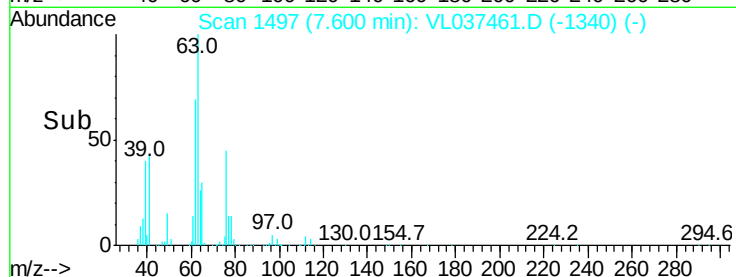
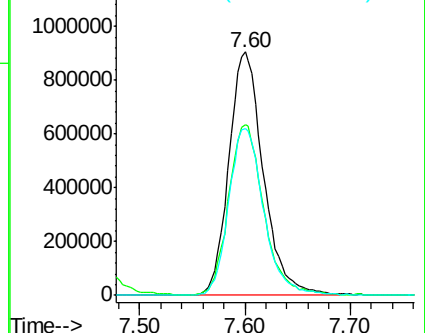
62 68.8 53.6 80.4



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 6.569 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Tgt Ion: 88 Resp: 234533

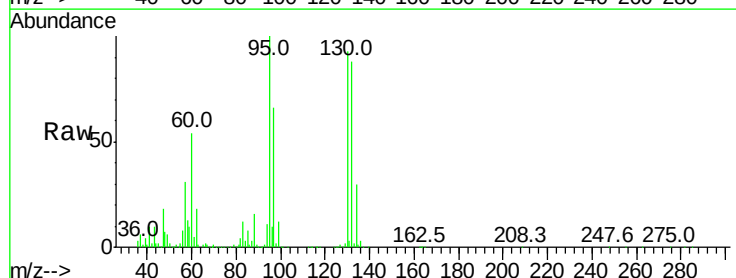
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

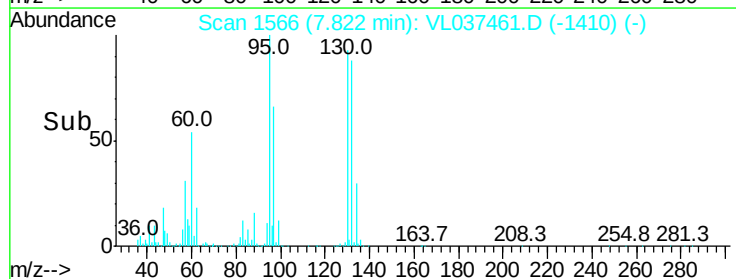
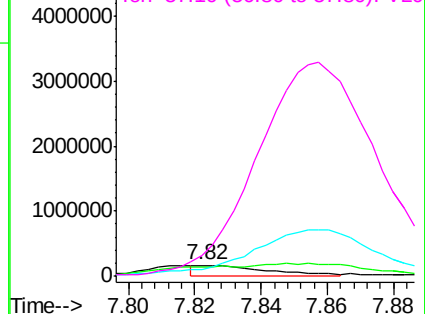


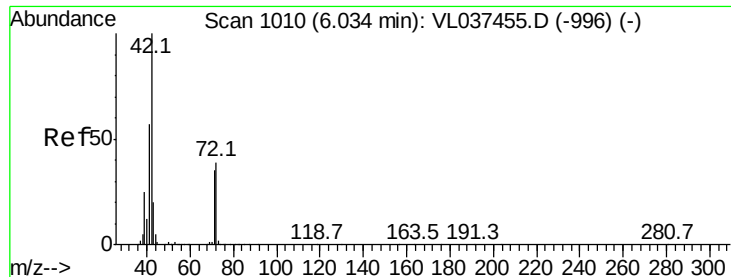
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 14.797 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

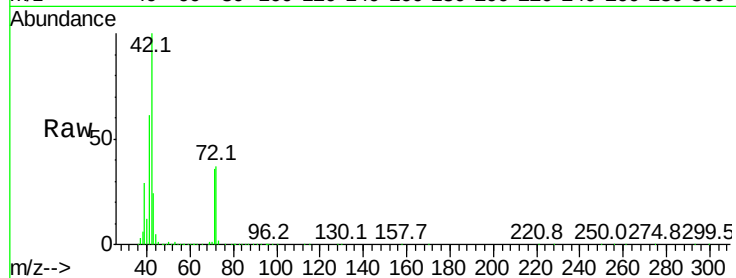
Tgt Ion: 42 Resp: 1281356

Ion Ratio Lower Upper

42 100

72 40.5 32.2 48.4

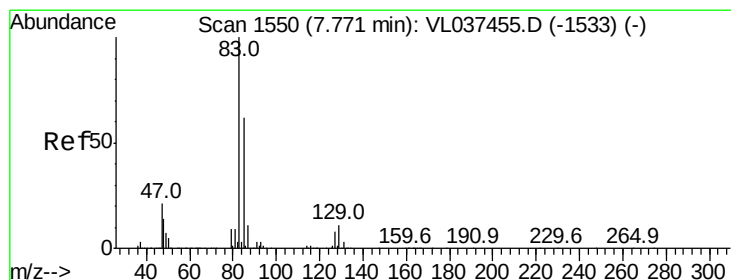
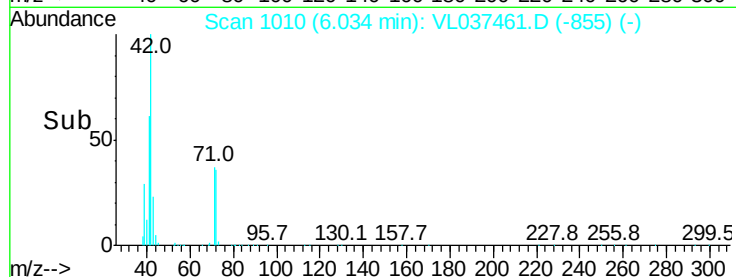
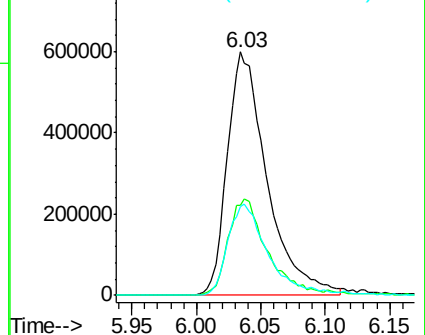
71 38.9 30.5 45.7



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: 14.560 ppbv

RT: 7.78 min Scan# 1553

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

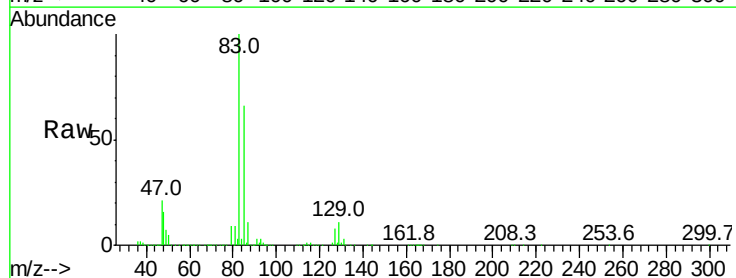
Tgt Ion: 83 Resp: 4006975

Ion Ratio Lower Upper

83 100

85 66.4 49.5 74.3

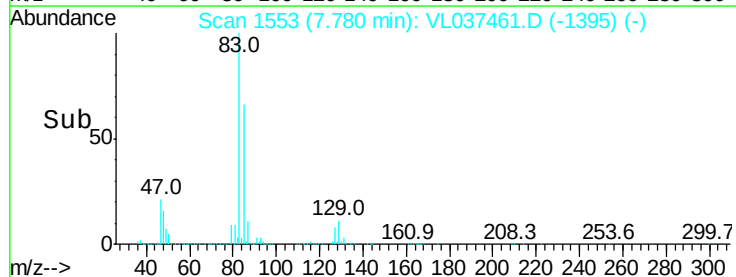
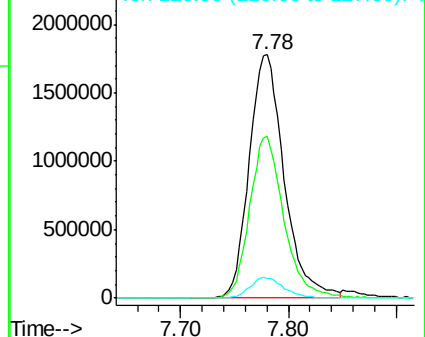
127 8.0 6.3 9.5

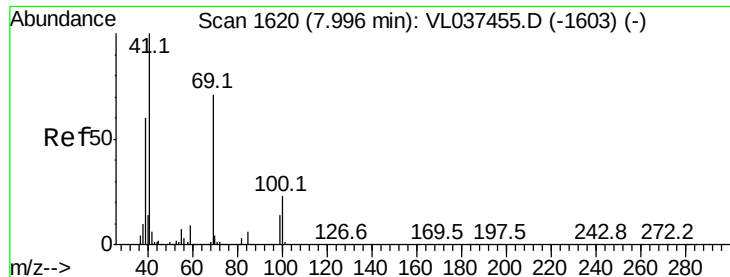


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 15.007 ppbv

RT: 8.00 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

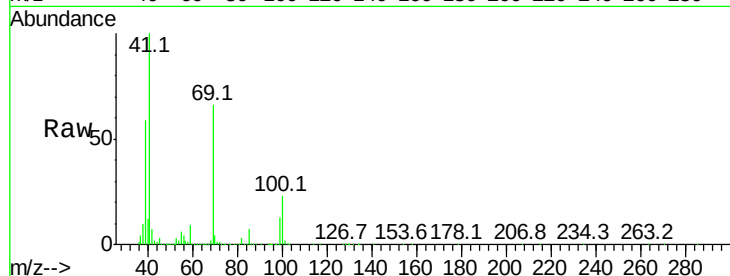
Tgt Ion: 69 Resp: 1958838

Ion Ratio Lower Upper

69 100

41 150.2 118.6 178.0

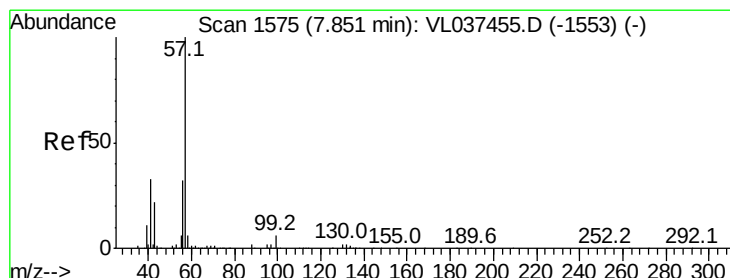
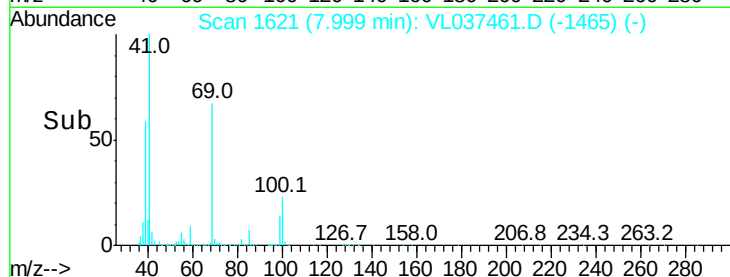
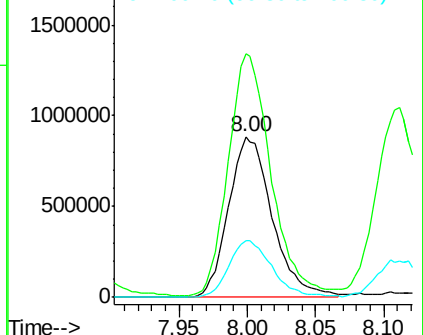
100 35.2 27.4 41.0



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 13.326 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

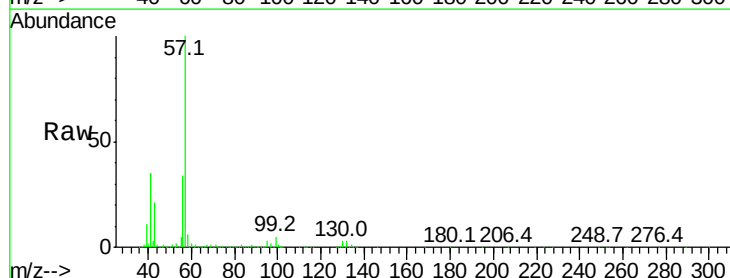
Tgt Ion: 57 Resp: 8580511

Ion Ratio Lower Upper

57 100

41 33.8 26.2 39.4

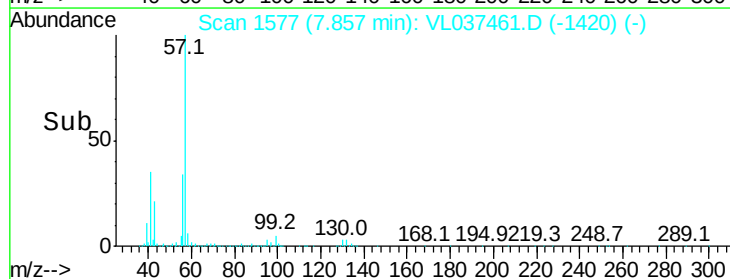
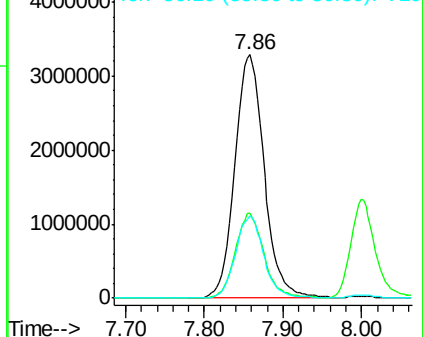
56 32.4 25.4 38.2

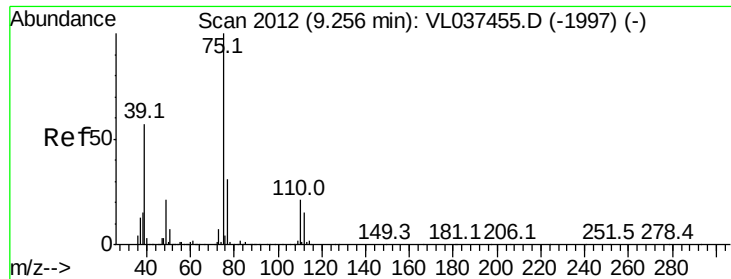


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 18.241 ppbv

RT: 9.27 min Scan# 2015

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

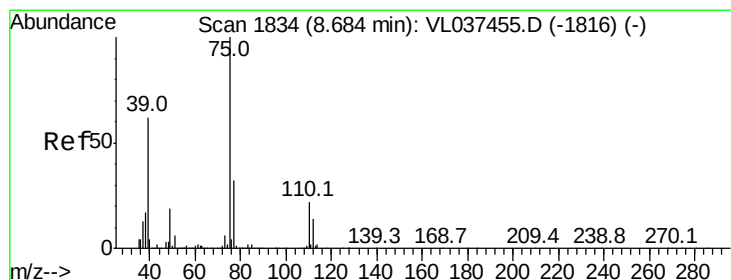
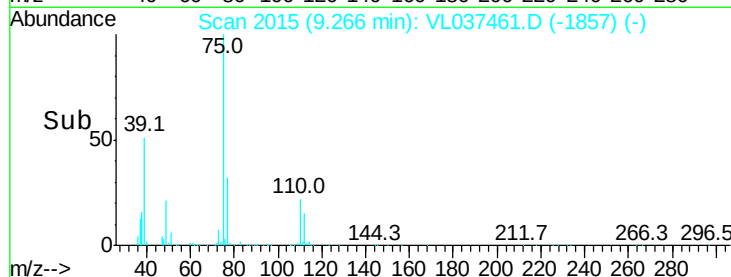
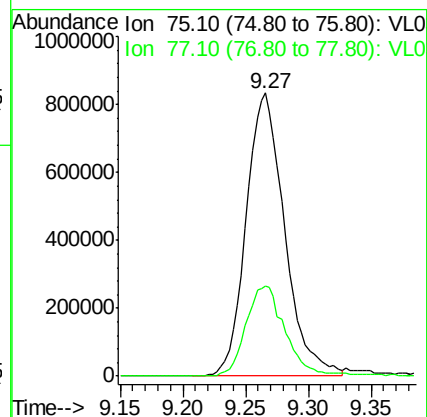
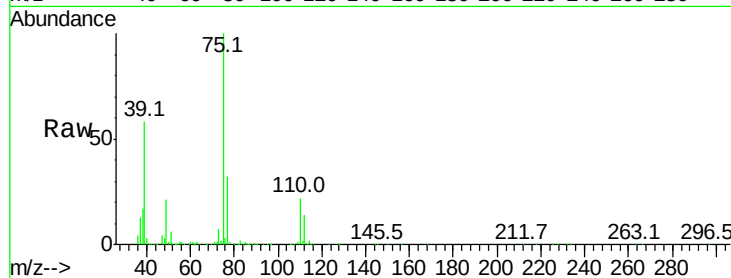
VSTDIC015

Tgt Ion: 75 Resp: 1769301

Ion Ratio Lower Upper

75 100

77 32.0 24.5 36.7



#46

cis-1,3-Dichloropropene

Concen: 16.649 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

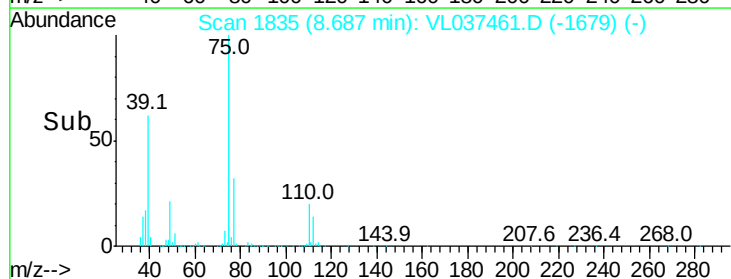
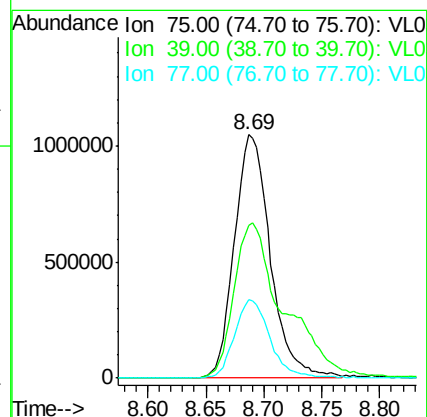
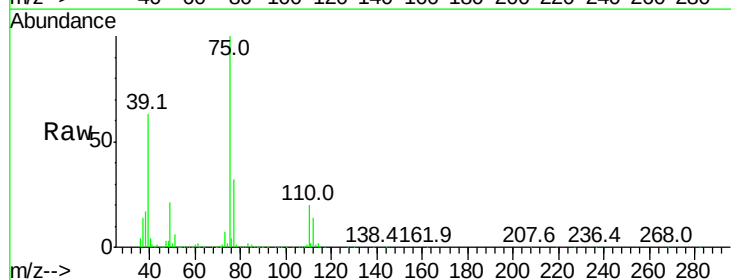
Tgt Ion: 75 Resp: 2254394

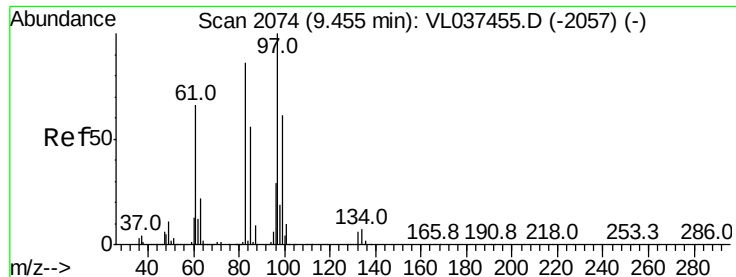
Ion Ratio Lower Upper

75 100

39 62.4 49.7 74.5

77 32.1 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 13.812 ppbv

RT: 9.46 min Scan# 2076

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

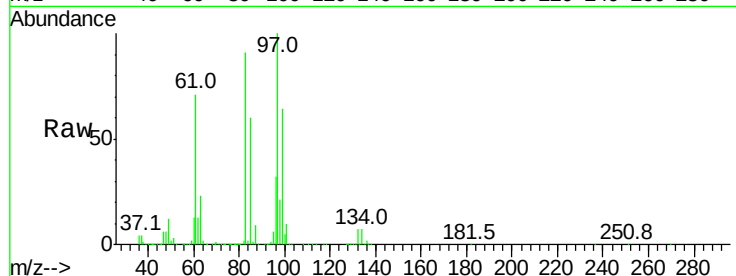
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 97 Resp: 2190441

Ion	Ratio	Lower	Upper
97	100		
83	90.7	68.7	103.1
85	59.8	44.7	67.1
99	63.6	48.6	72.8

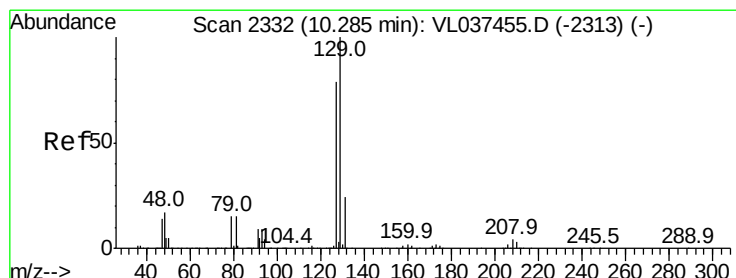
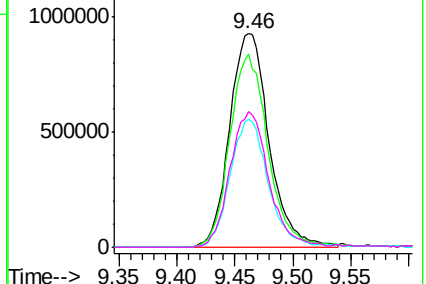
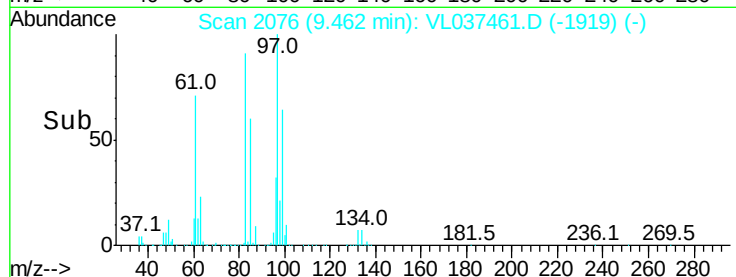


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 15.714 ppbv

RT: 10.29 min Scan# 2334

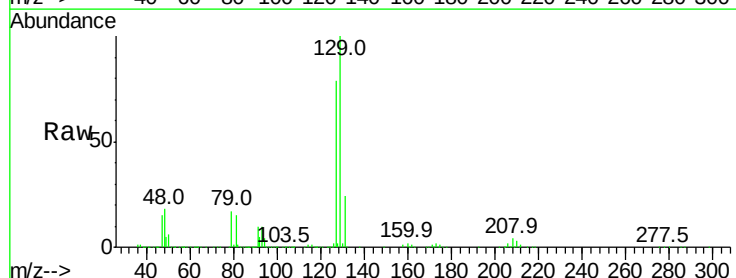
Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

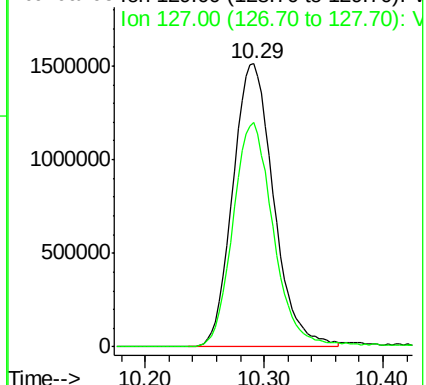
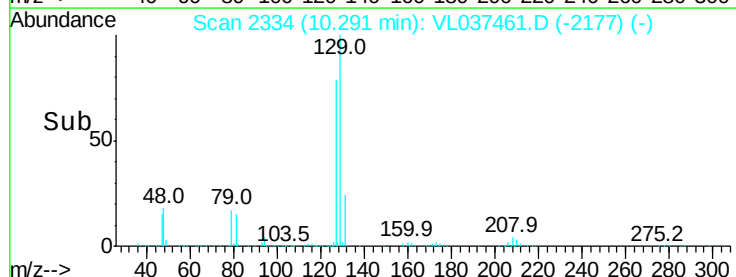
Tgt Ion: 129 Resp: 3595746

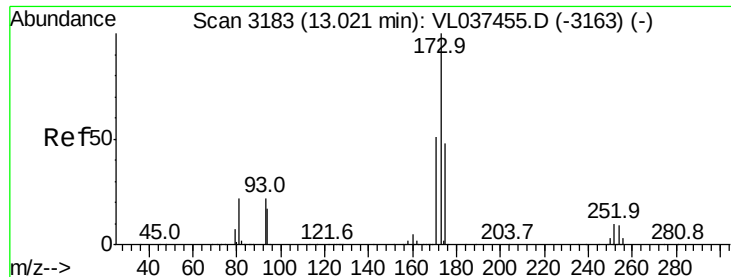
Ion	Ratio	Lower	Upper
129	100		
127	79.2	40.0	120.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 17.138 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

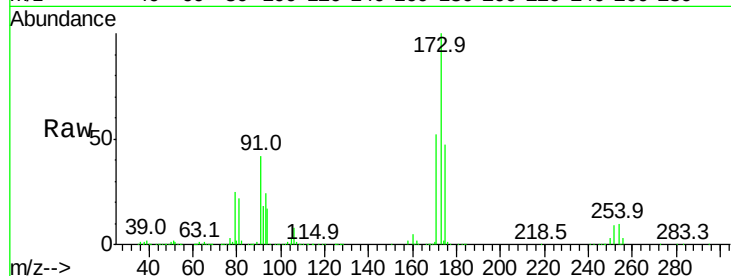
Tgt Ion:173 Resp: 2971441

Ion Ratio Lower Upper

173 100

175 51.9 41.9 62.9

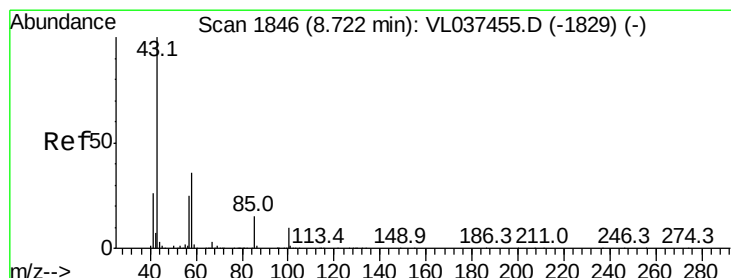
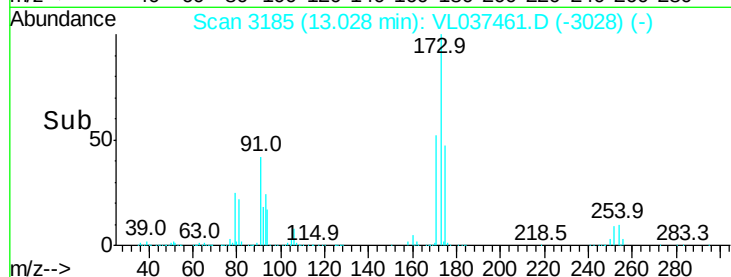
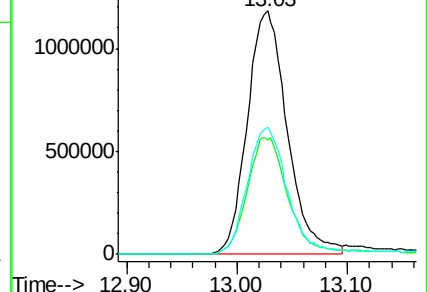
171 55.2 44.2 66.4



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: 14.888 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VL037461.D

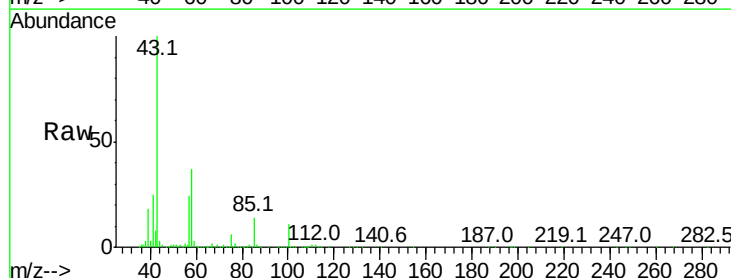
Acq: 16 Aug 2021 14:18

Tgt Ion: 43 Resp: 3531624

Ion Ratio Lower Upper

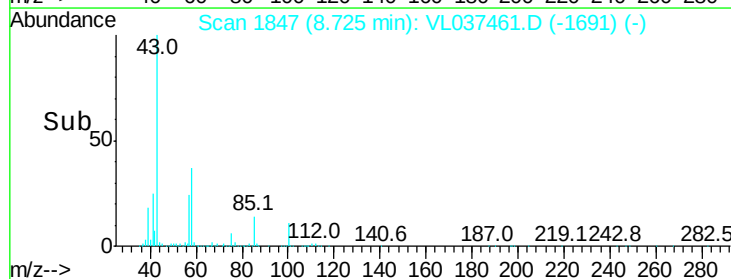
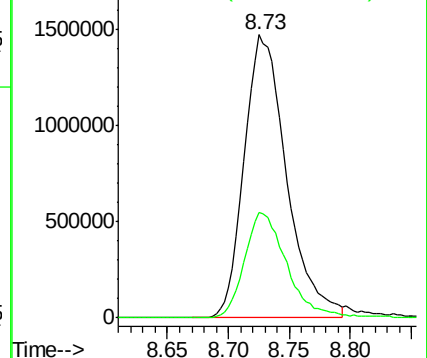
43 100

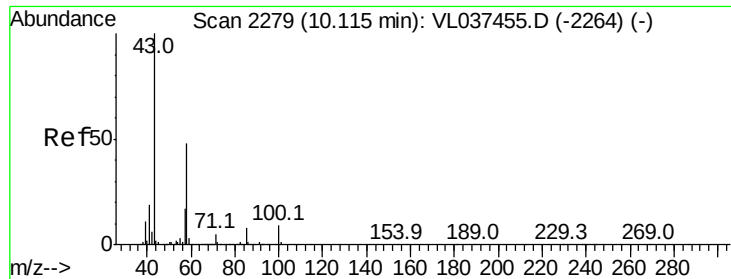
58 37.6 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 15.770 ppbv

RT: 10.12 min Scan# 2282

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

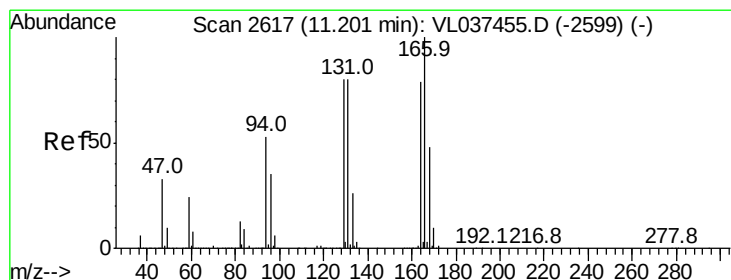
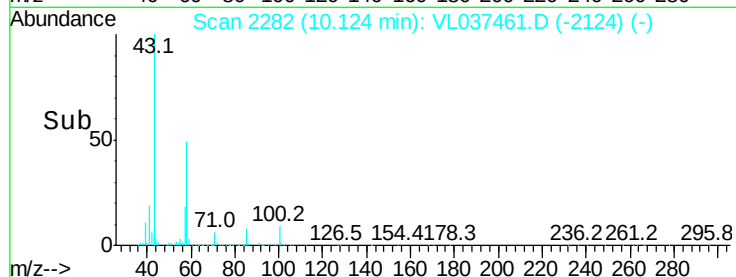
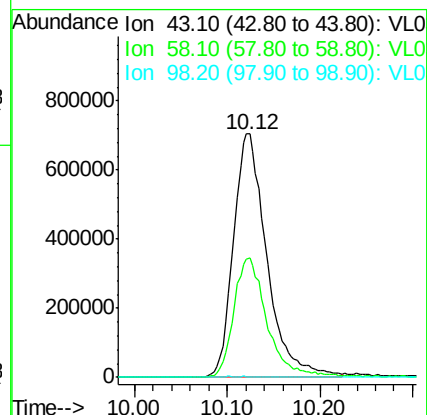
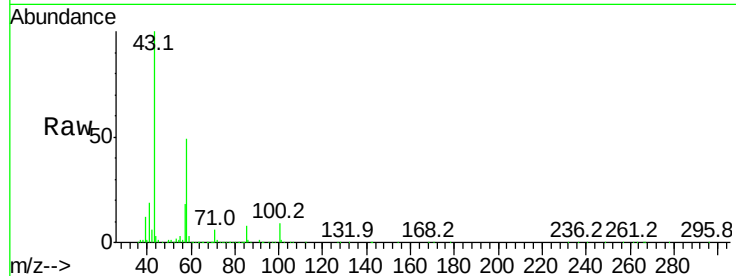
Tgt Ion: 43 Resp: 1760044

Ion Ratio Lower Upper

43 100

58 49.4 41.0 61.6

98 0.3 0.3 0.5#



#52

Tetrachloroethene

Concen: 12.184 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Tgt Ion: 164 Resp: 1976727

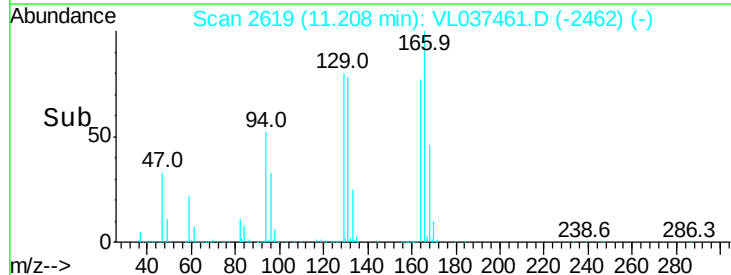
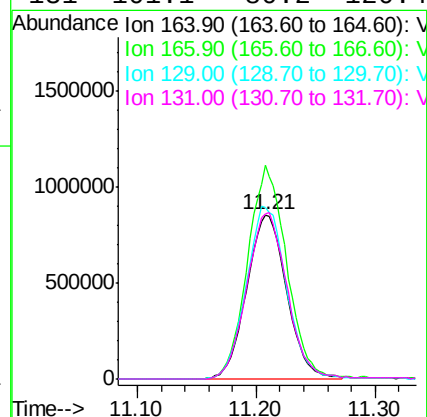
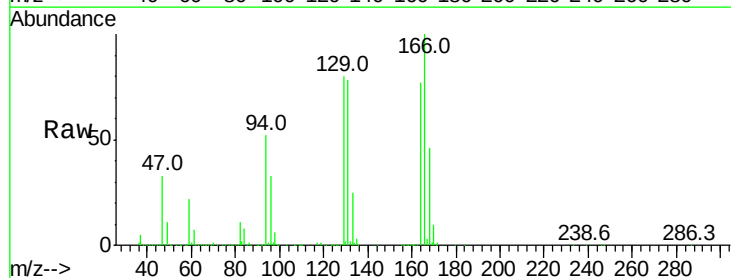
Ion Ratio Lower Upper

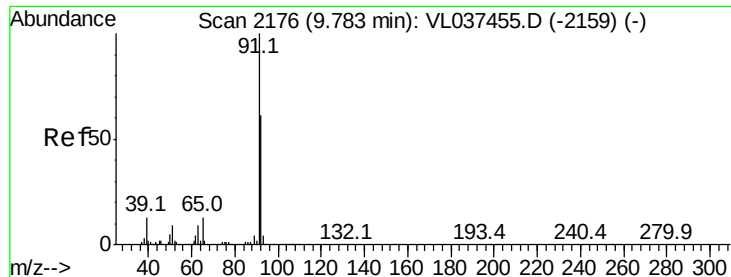
164 100

166 130.3 100.7 151.1

129 104.5 80.9 121.3

131 101.1 80.2 120.4





#53

Toluene

Concen: 14.162 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

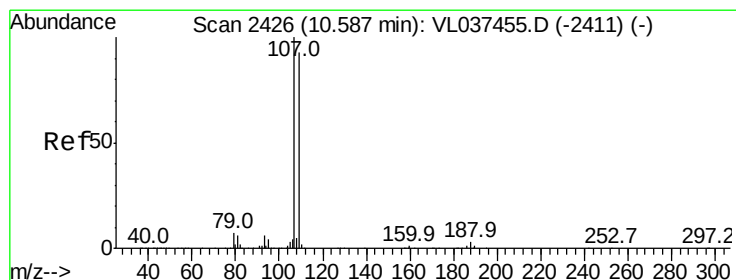
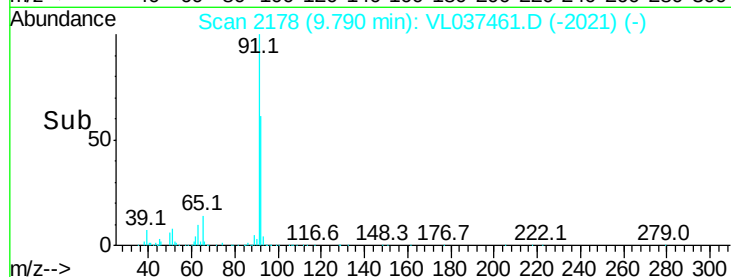
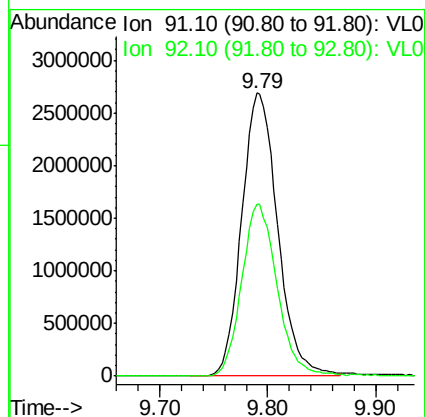
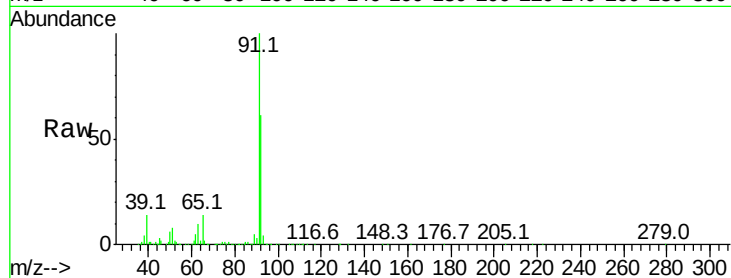
VSTDIC015

Tgt Ion: 91 Resp: 6226818

Ion Ratio Lower Upper

91 100

92 60.8 48.8 73.2



#54

1,2-Dibromoethane

Concen: 15.083 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. 0.01 min

Lab File: VL037461.D

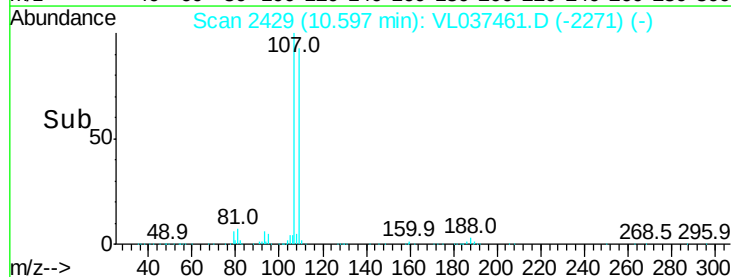
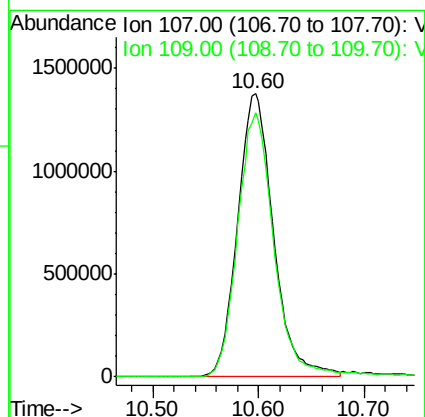
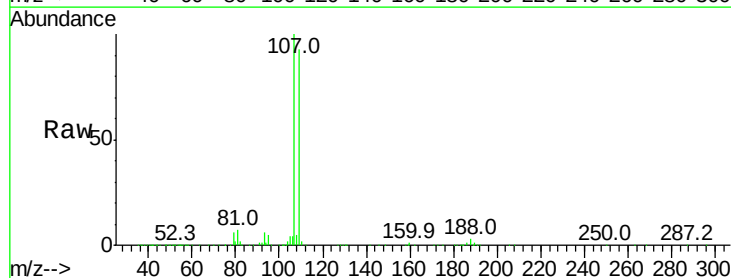
Acq: 16 Aug 2021 14:18

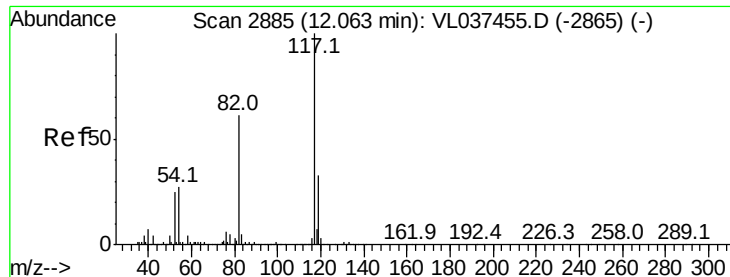
Tgt Ion: 107 Resp: 3255453

Ion Ratio Lower Upper

107 100

109 93.3 74.2 111.4

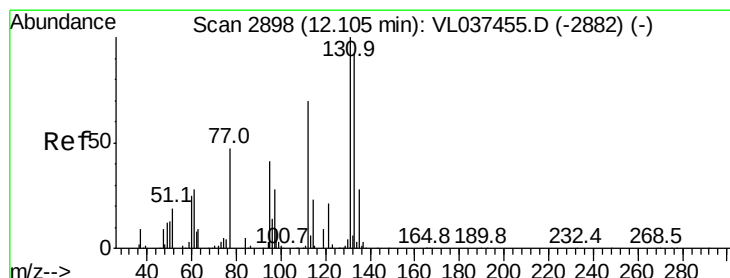
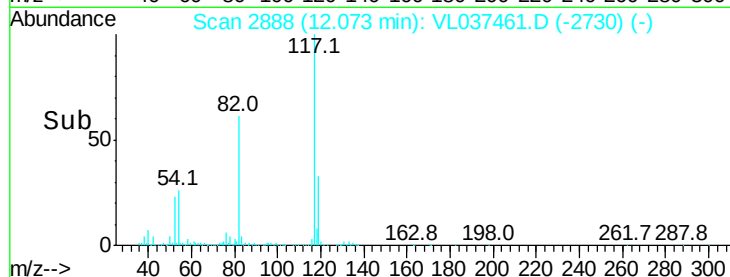
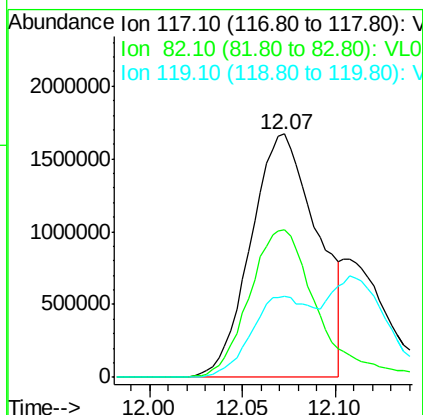
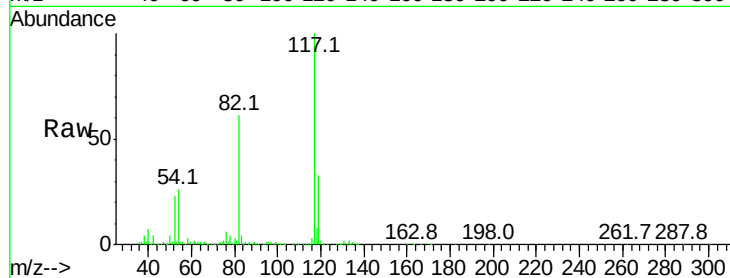




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. 0.01 min
Lab File: VL037461.D
Acq: 16 Aug 2021 14:18

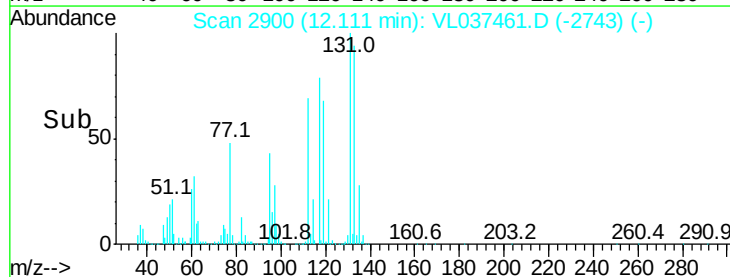
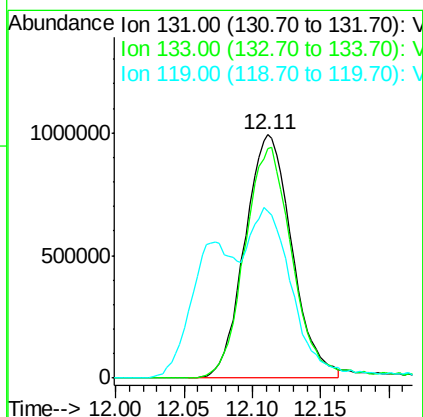
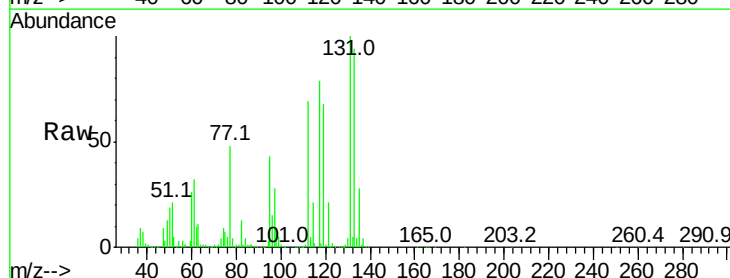
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

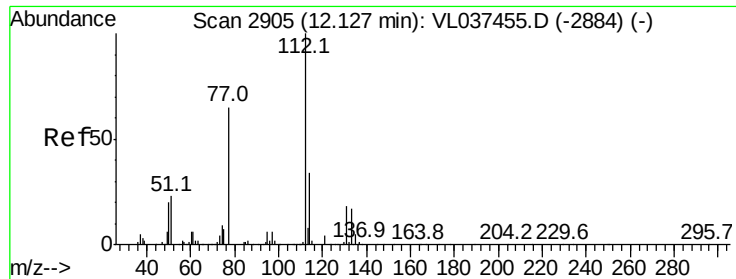
Tgt Ion:117 Resp: 4145145
Ion Ratio Lower Upper
117 100
82 63.9 52.9 79.3
119 0.0 24.8 37.2#



#56
1,1,1,2-Tetrachloroethane
Concen: 14.400 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.01 min
Lab File: VL037461.D
Acq: 16 Aug 2021 14:18

Tgt Ion:131 Resp: 2376126
Ion Ratio Lower Upper
131 100
133 99.9 78.7 118.1
119 77.1 56.6 85.0





#57

Chlorobenzene

Concen: 13.414 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

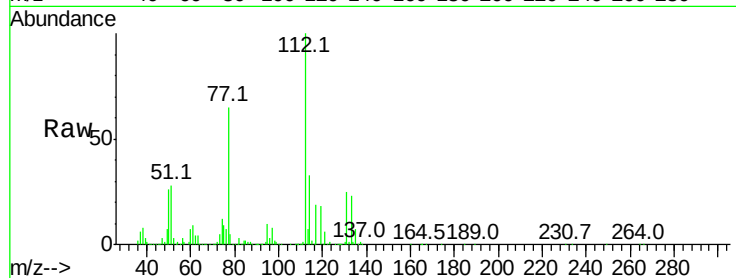
Tgt Ion: 112 Resp: 4506495

Ion Ratio Lower Upper

112 100

77 64.6 51.6 77.4

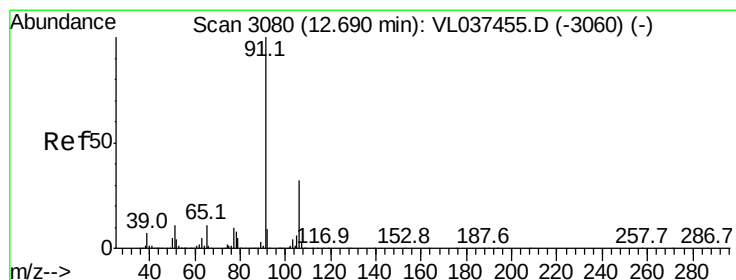
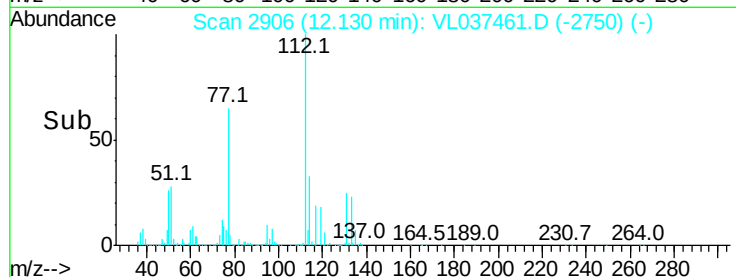
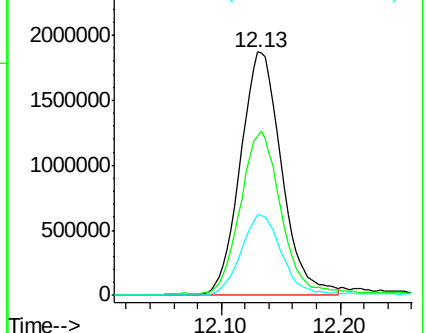
114 33.0 30.7 37.5



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: 14.224 ppbv

RT: 12.70 min Scan# 3082

Delta R.T. 0.01 min

Lab File: VL037461.D

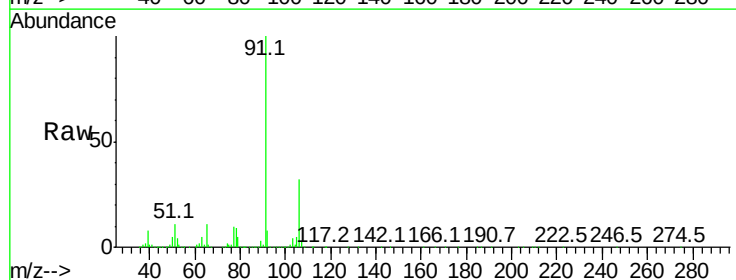
Acq: 16 Aug 2021 14:18

Tgt Ion: 91 Resp: 7998259

Ion Ratio Lower Upper

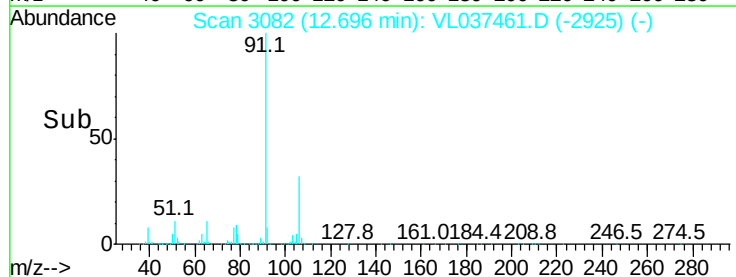
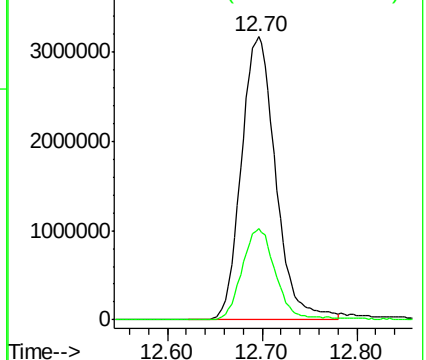
91 100

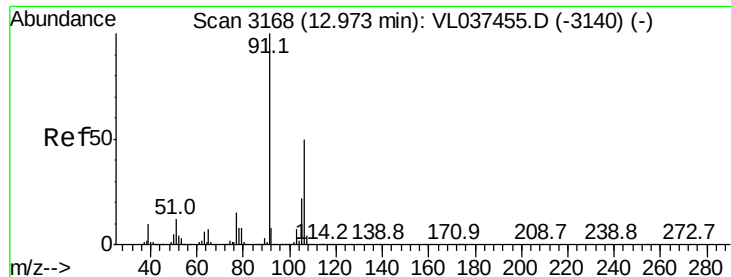
106 32.5 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 14.232 ppbv

RT: 12.98 min Scan# 3171

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

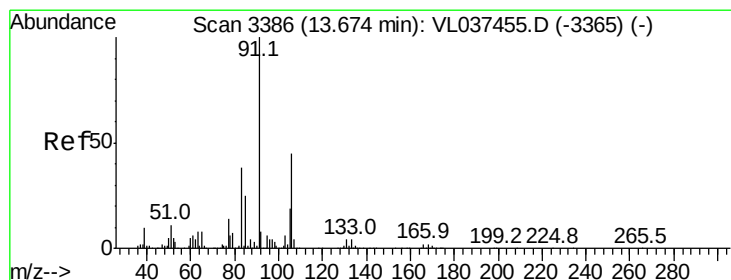
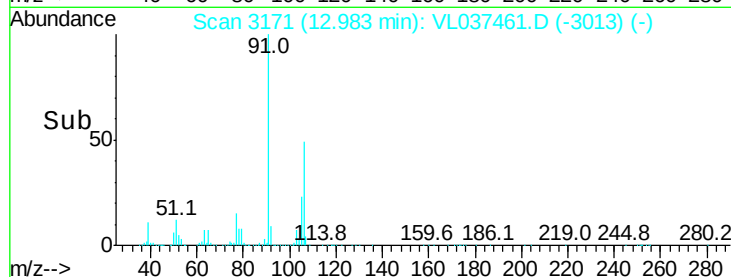
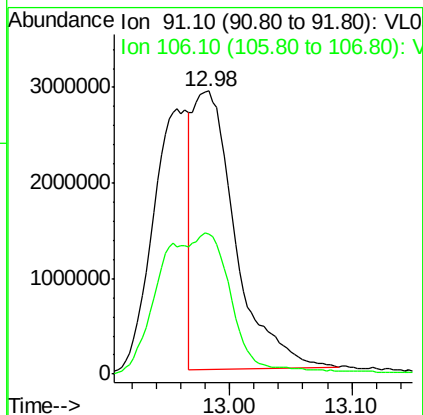
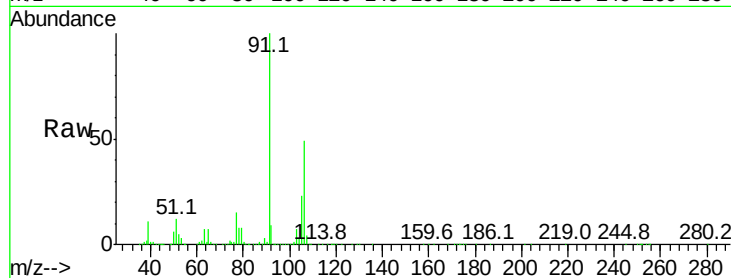
VSTDIC015

Tgt Ion: 91 Resp: 7029999

Ion Ratio Lower Upper

91 100

106 88.3 36.9 55.3#



#60

o-Xylene

Concen: 13.464 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. 0.01 min

Lab File: VL037461.D

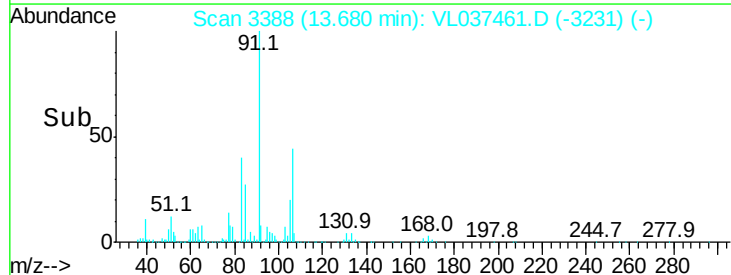
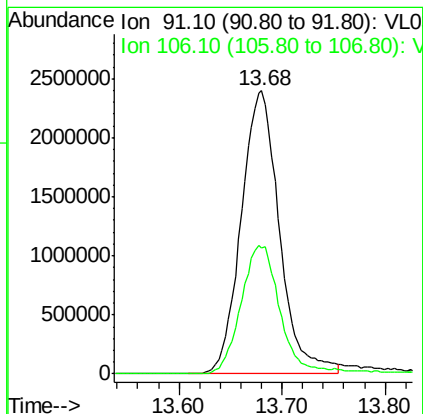
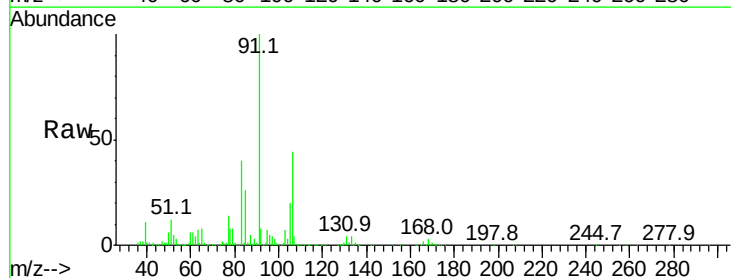
Acq: 16 Aug 2021 14:18

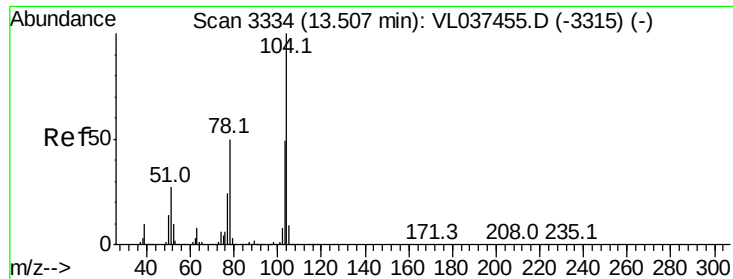
Tgt Ion: 91 Resp: 6178401

Ion Ratio Lower Upper

91 100

106 47.5 23.7 71.1





#61

Styrene

Concen: 16.084 ppbv

RT: 13.51 min Scan# 3336

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

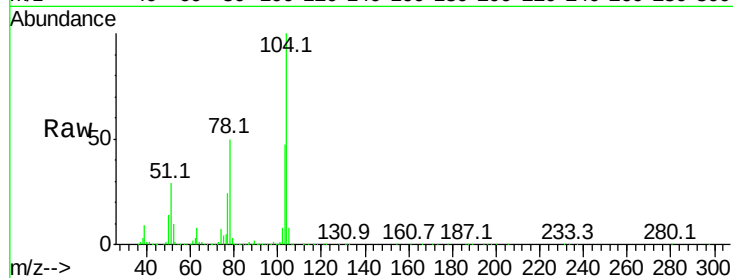
Tgt Ion:104 Resp: 3728816

Ion Ratio Lower Upper

104 100

78 51.6 41.3 61.9

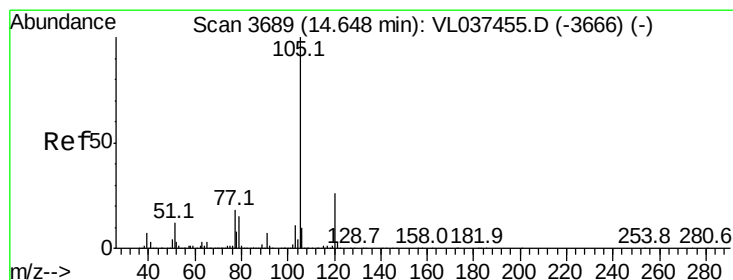
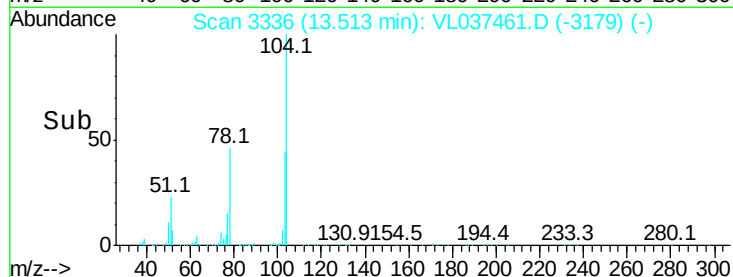
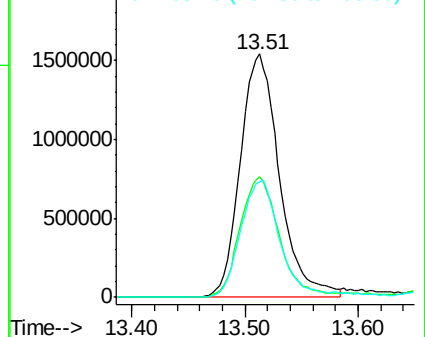
103 49.5 39.4 59.0



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: 13.240 ppbv

RT: 14.65 min Scan# 3691

Delta R.T. 0.01 min

Lab File: VL037461.D

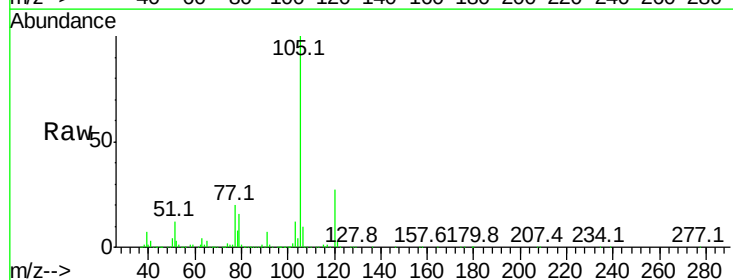
Acq: 16 Aug 2021 14:18

Tgt Ion:105 Resp: 8688461

Ion Ratio Lower Upper

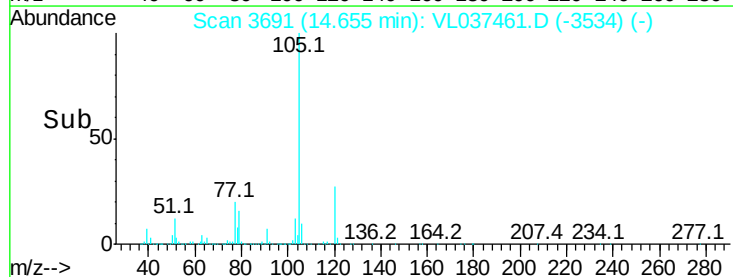
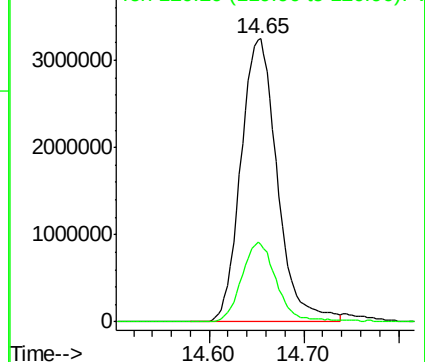
105 100

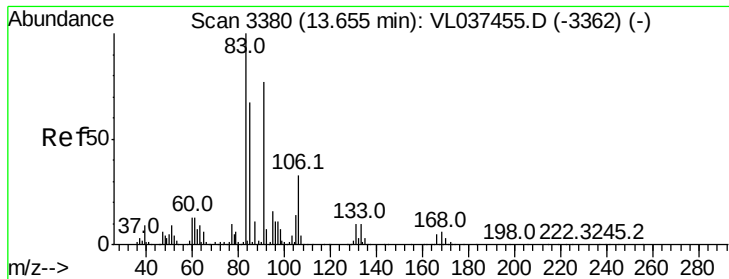
120 27.3 21.5 32.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

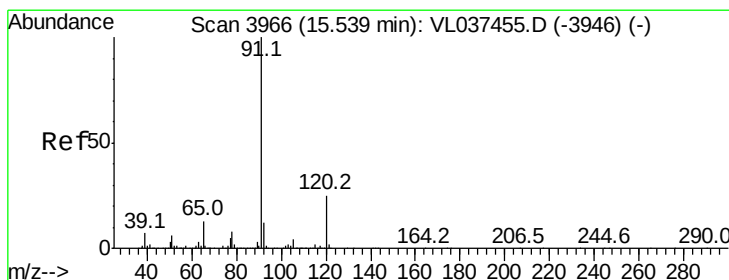
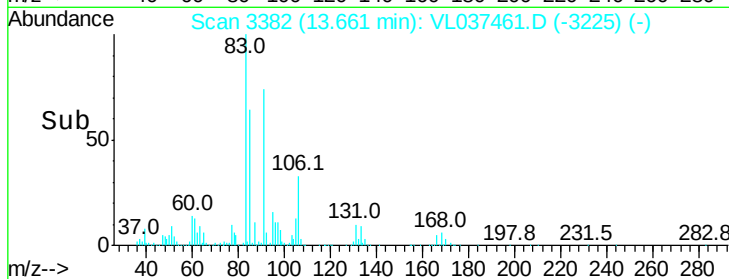
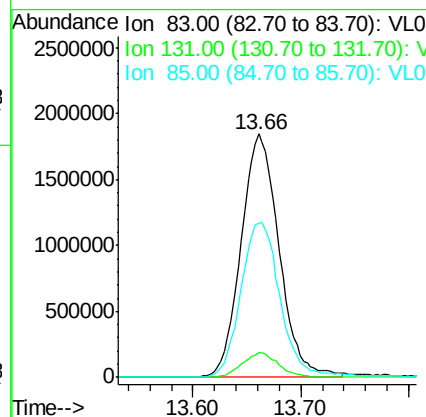
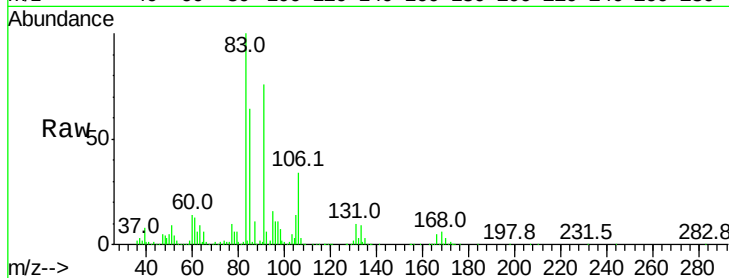




#63
 1,1,2,2-Tetrachloroethane
 Concen: 13.063 ppbv
 RT: 13.66 min Scan# 3382
 Delta R.T. 0.01 min
 Lab File: VL037461.D
 Acq: 16 Aug 2021 14:18

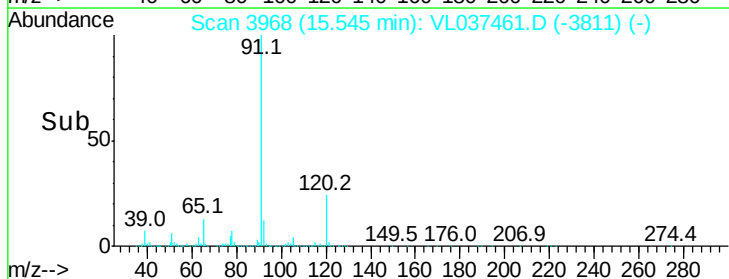
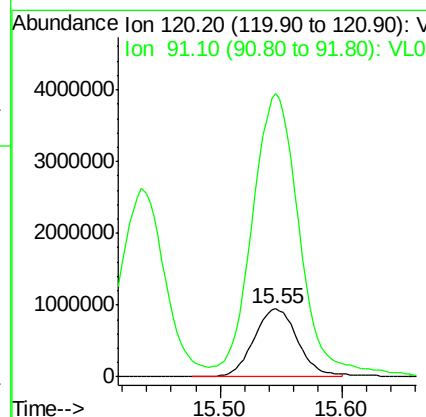
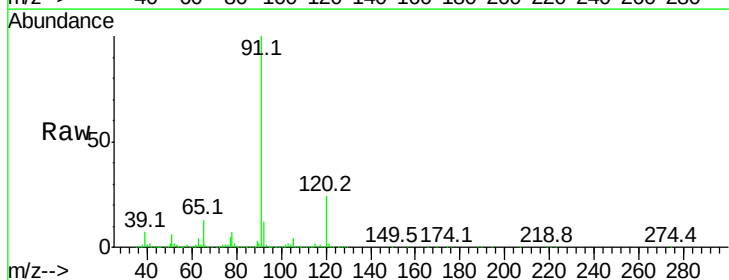
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

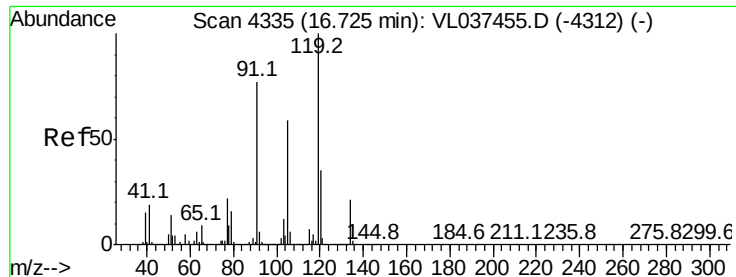
Tgt Ion: 83 Resp: 4520504
 Ion Ratio Lower Upper
 83 100
 131 10.1 5.0 15.0
 85 66.7 33.8 101.3



#64
 n-propylbenzene
 Concen: 14.250 ppbv
 RT: 15.55 min Scan# 3968
 Delta R.T. 0.01 min
 Lab File: VL037461.D
 Acq: 16 Aug 2021 14:18

Tgt Ion: 120 Resp: 2353062
 Ion Ratio Lower Upper
 120 100
 91 453.2 373.8 560.6

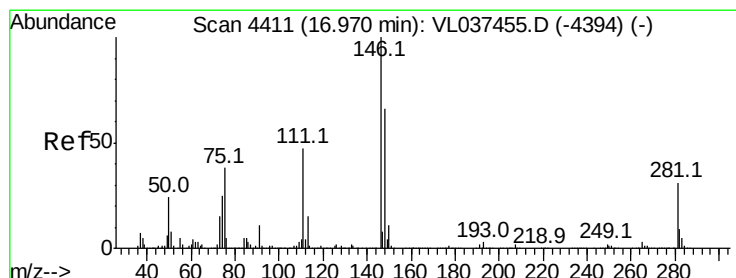
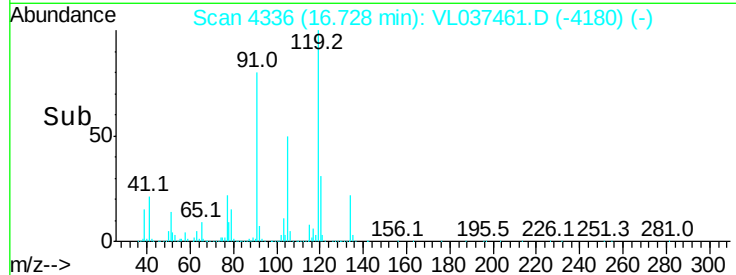
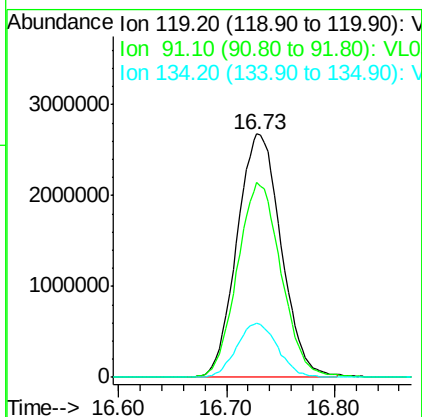
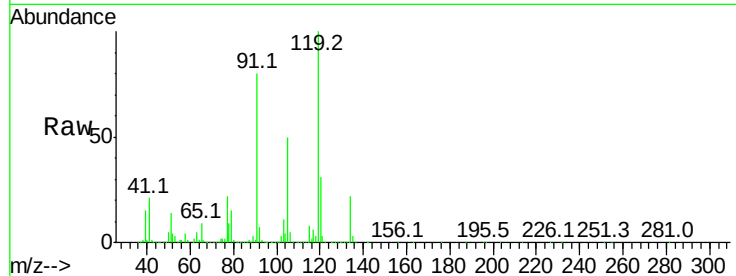




#65
 tert-Butylbenzene
 Concen: 12.890 ppbv
 RT: 16.73 min Scan# 4336
 Delta R.T. 0.00 min
 Lab File: VL037461.D
 Acq: 16 Aug 2021 14:18

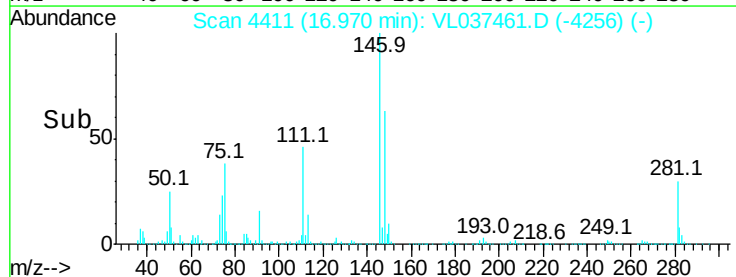
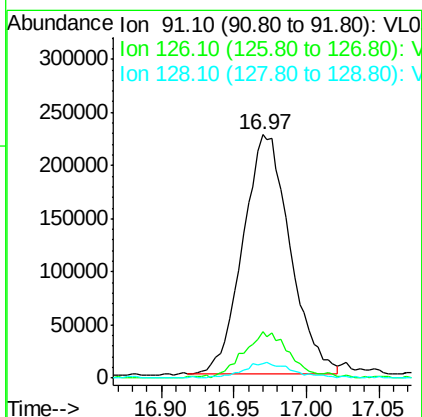
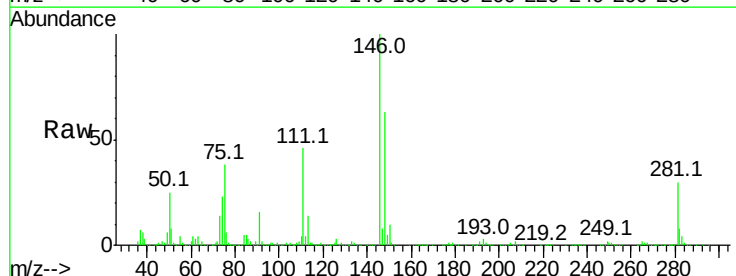
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

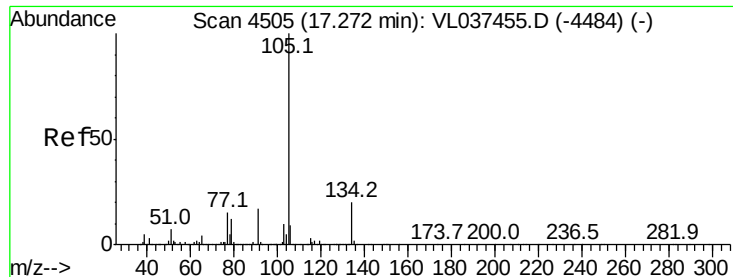
Tgt Ion:119 Resp: 7628376
 Ion Ratio Lower Upper
 119 100
 91 79.3 62.9 94.3
 134 20.8 16.4 24.6



#66
 Benzyl Chloride
 Concen: 18.894 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. -0.00 min
 Lab File: VL037461.D
 Acq: 16 Aug 2021 14:18

Tgt Ion: 91 Resp: 511616
 Ion Ratio Lower Upper
 91 100
 126 19.6 15.9 23.9
 128 7.2 5.4 8.0





#67

sec-Butylbenzene

Concen: 13.204 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

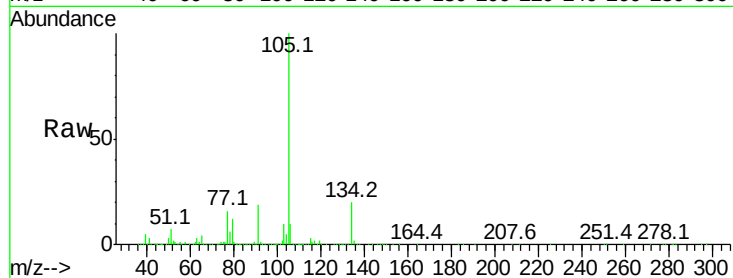
VSTDIC015

Tgt Ion:105 Resp:10632673

Ion Ratio Lower Upper

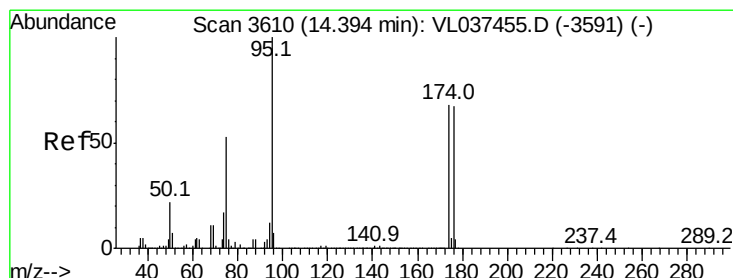
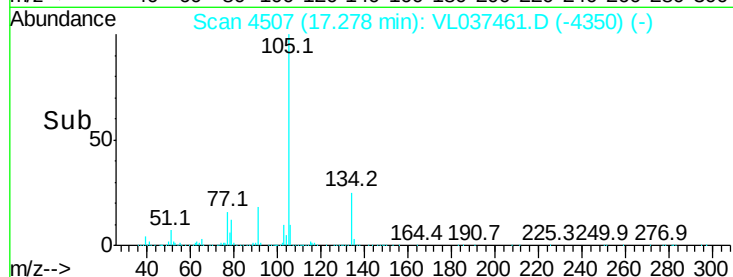
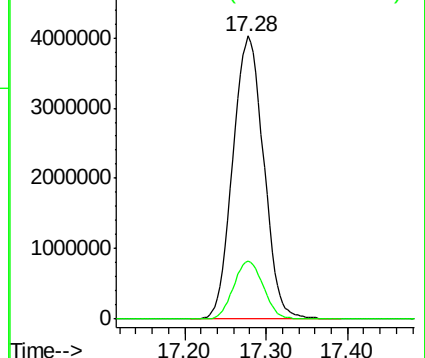
105 100

134 19.9 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: 10.020 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

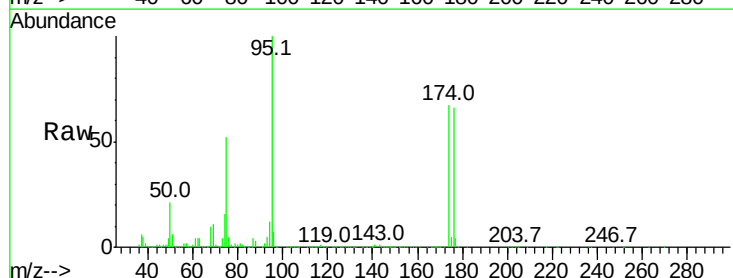
Tgt Ion: 95 Resp: 2979317

Ion Ratio Lower Upper

95 100

174 74.3 59.6 89.4

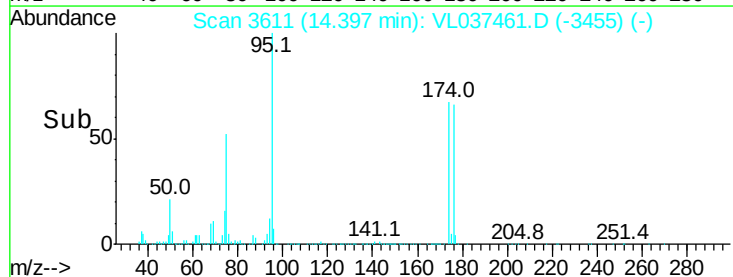
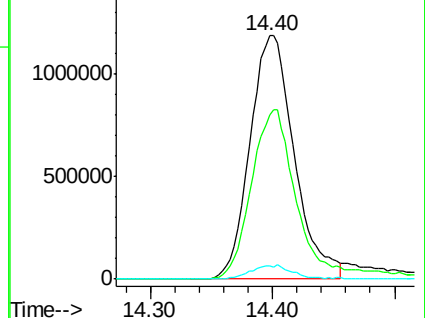
175 5.8 4.6 7.0

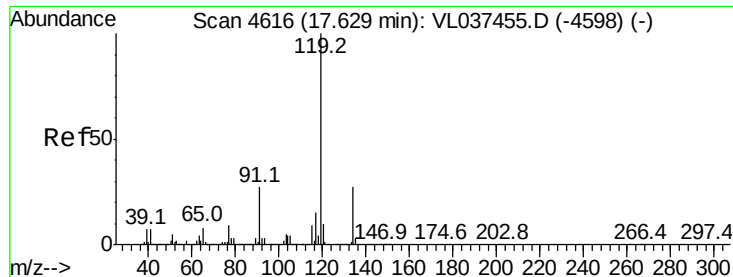


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

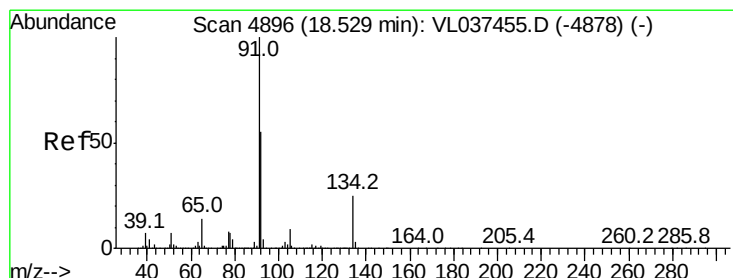
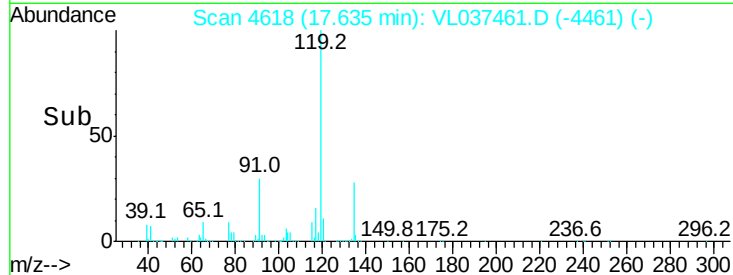
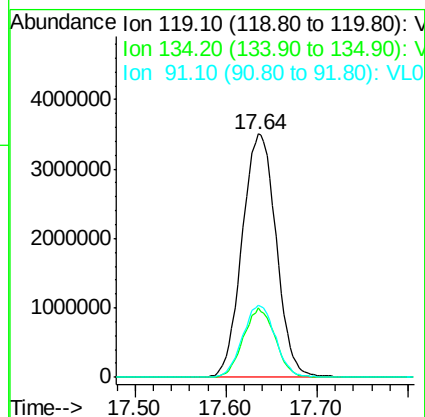
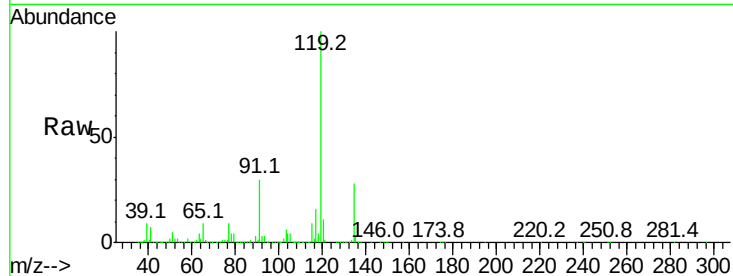




#69
 p-Isopropyltoluene
 Concen: 13.770 ppbv
 RT: 17.64 min Scan# 4618
 Delta R.T. 0.01 min
 Lab File: VL037461.D
 Acq: 16 Aug 2021 14:18

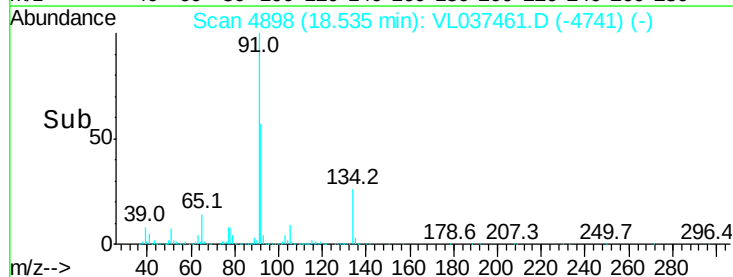
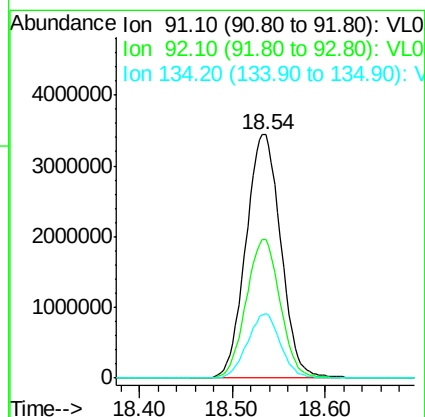
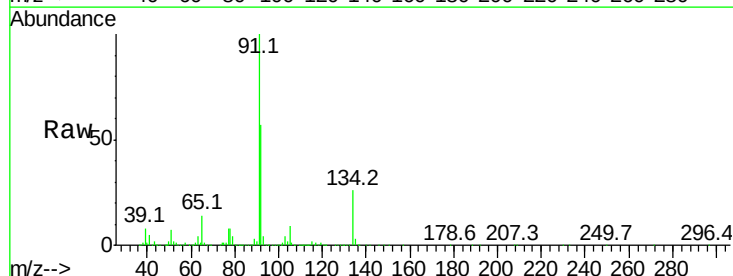
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

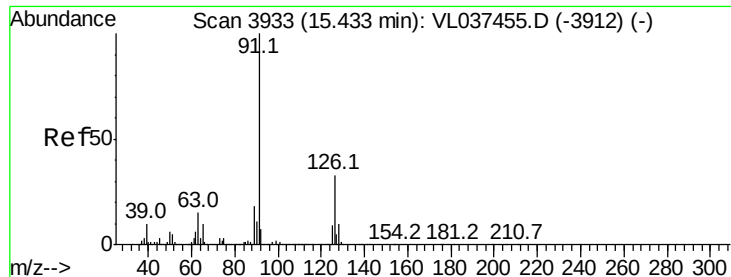
Tgt Ion: 119 Resp: 9100465
 Ion Ratio Lower Upper
 119 100
 134 26.7 21.1 31.7
 91 28.6 22.4 33.6



#70
 n-Butylbenzene
 Concen: 14.613 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. 0.01 min
 Lab File: VL037461.D
 Acq: 16 Aug 2021 14:18

Tgt Ion: 91 Resp: 8976467
 Ion Ratio Lower Upper
 91 100
 92 55.8 44.0 66.0
 134 25.2 19.5 29.3





#71

2-Chlorotoluene

Concen: 14.028 ppbv

RT: 15.44 min Scan# 3934

Delta R.T. 0.00 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

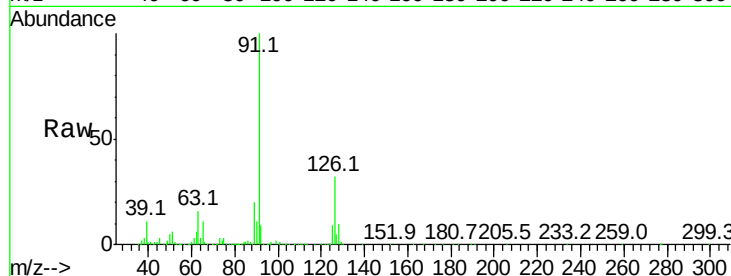
VSTDIC015

Tgt Ion: 91 Resp: 6511503

Ion Ratio Lower Upper

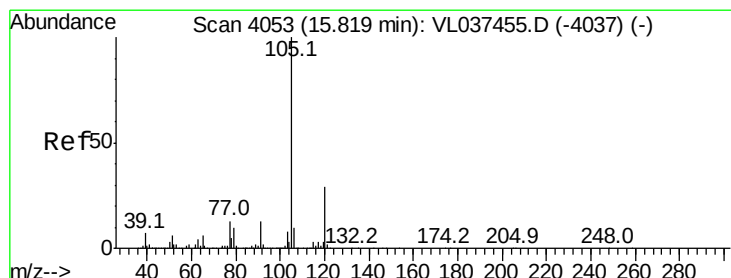
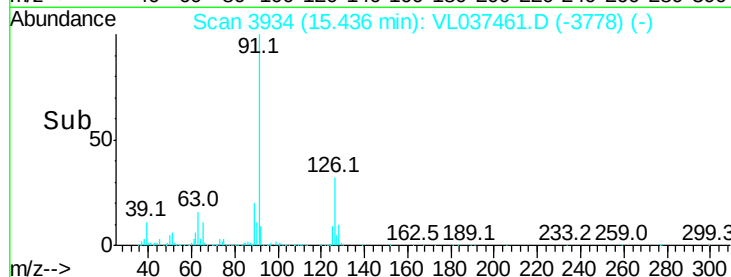
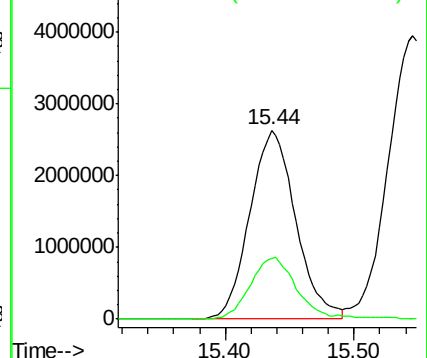
91 100

126 34.0 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: 14.525 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Tgt Ion: 105 Resp: 7736495

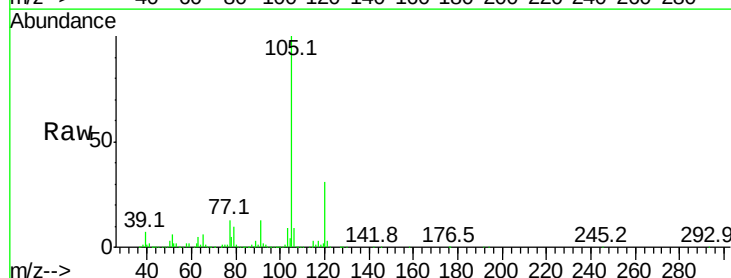
Ion Ratio Lower Upper

105 100

120 31.3 24.7 37.1

91 12.4 9.8 14.8

77 13.5 10.6 15.8

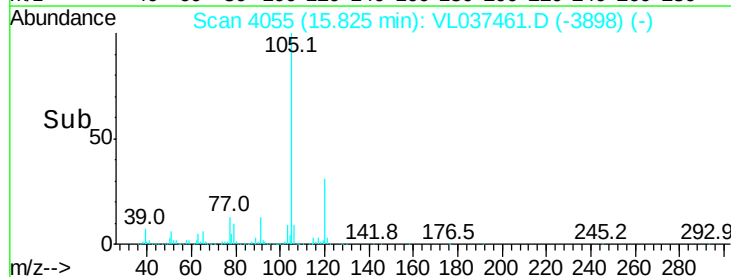
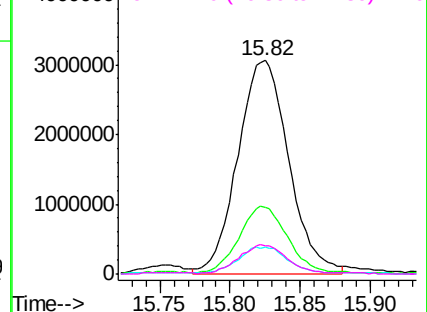


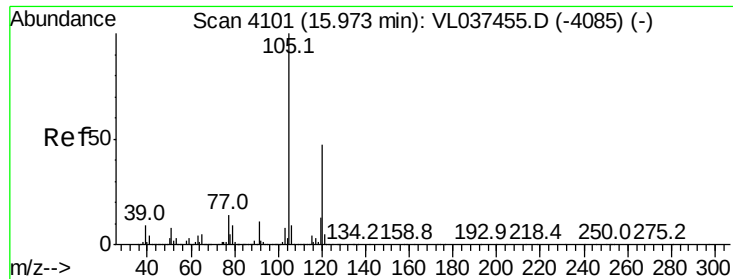
Abundance Ion 105.10 (104.80 to 105.80): V

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: 13.915 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

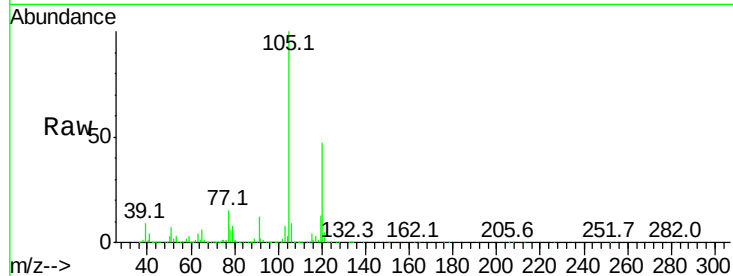
VSTDIC015

Tgt Ion:105 Resp: 7007076

Ion Ratio Lower Upper

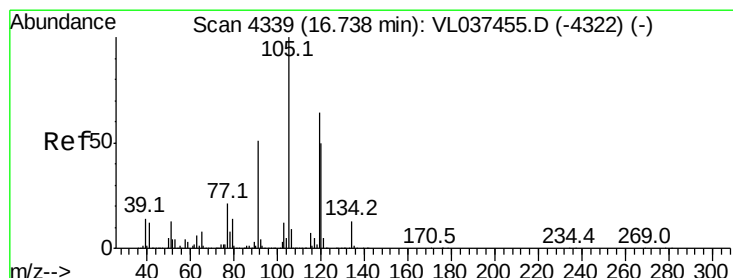
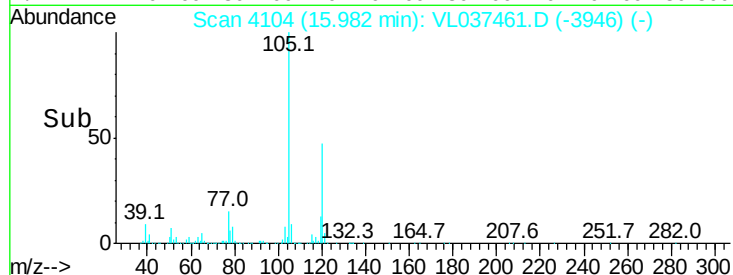
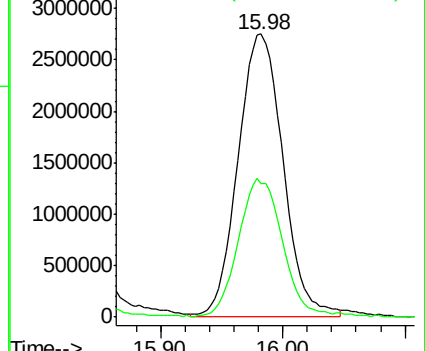
105 100

120 47.6 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: 13.616 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Tgt Ion:105 Resp: 7019961

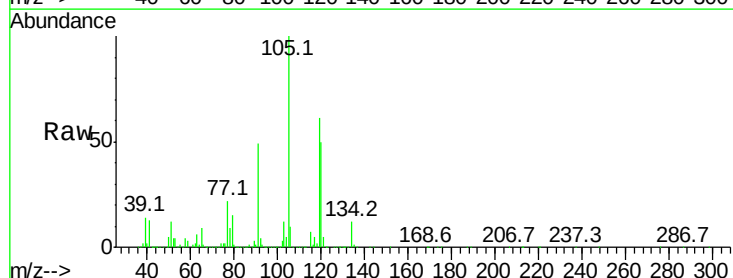
Ion Ratio Lower Upper

105 100

120 50.4 40.4 60.6

91 48.5 44.6 67.0

77 22.3 17.8 26.6

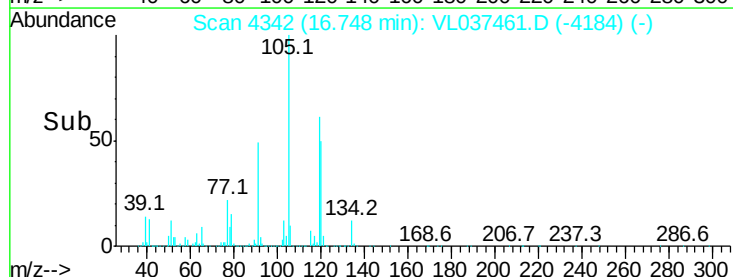
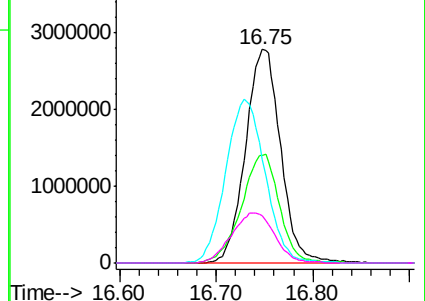


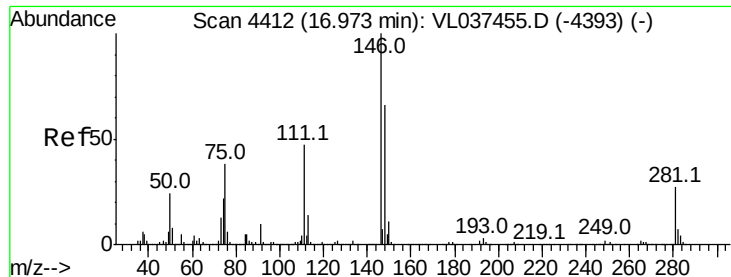
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V

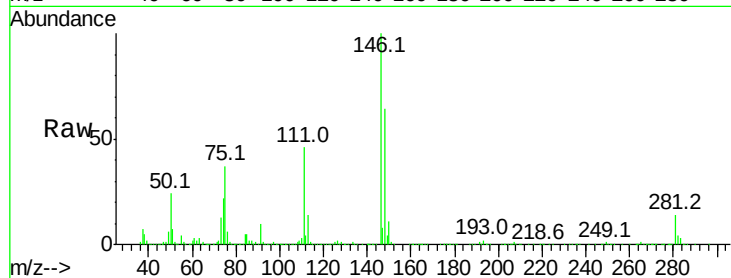




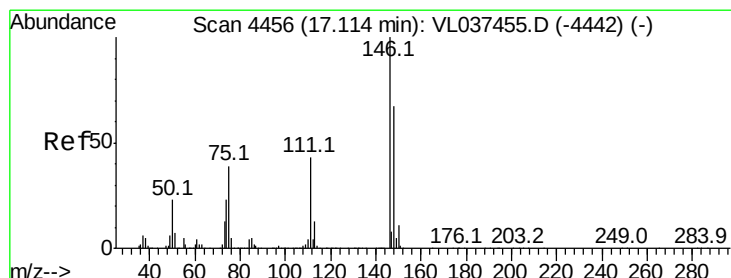
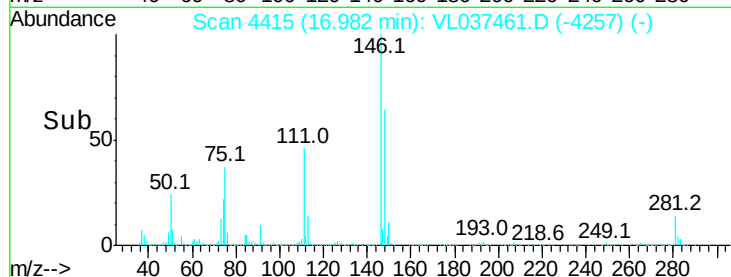
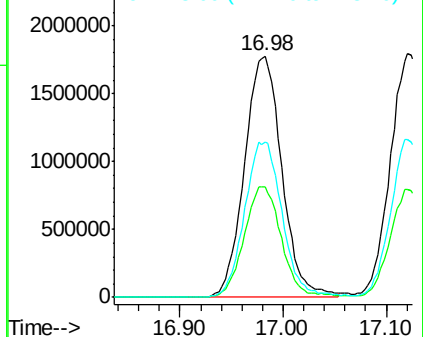
#75
 1,3-Dichlorobenzene
 Concen: 14.154 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.01 min
 Lab File: VL037461.D
 Acq: 16 Aug 2021 14:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:146 Resp: 4465792
 Ion Ratio Lower Upper
 146 100
 111 45.9 23.4 70.0
 148 64.9 33.1 99.5

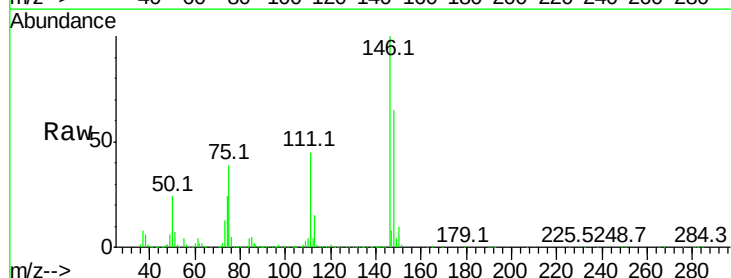


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

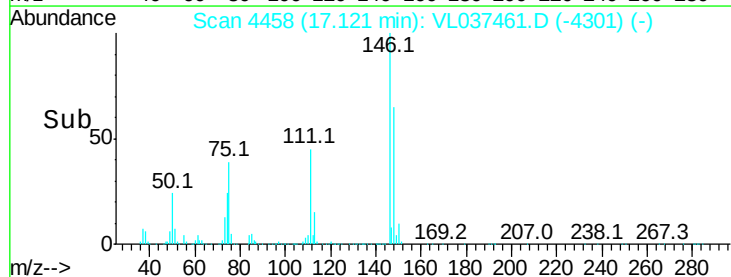
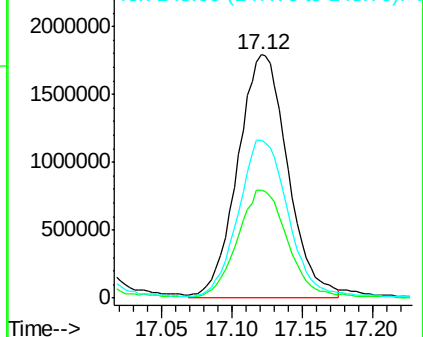


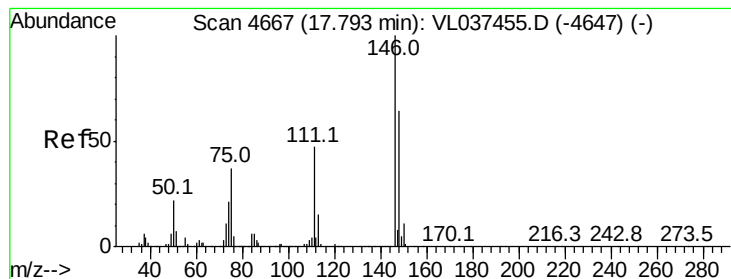
#76
 1,4-Dichlorobenzene
 Concen: 14.150 ppbv
 RT: 17.12 min Scan# 4458
 Delta R.T. 0.01 min
 Lab File: VL037461.D
 Acq: 16 Aug 2021 14:18

Tgt Ion:146 Resp: 4426334
 Ion Ratio Lower Upper
 146 100
 111 45.1 22.1 66.5
 148 65.4 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: 14.353 ppbv

RT: 17.80 min Scan# 4669

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

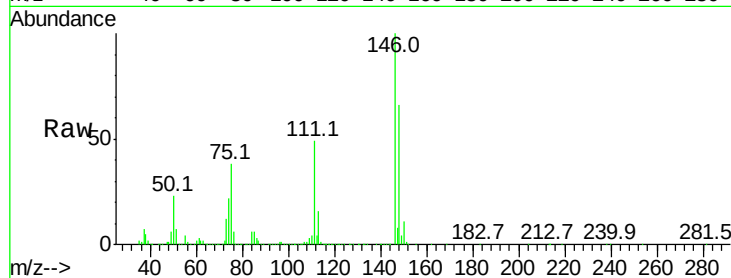
Tgt Ion:146 Resp: 4357337

Ion Ratio Lower Upper

146 100

111 47.4 23.4 70.3

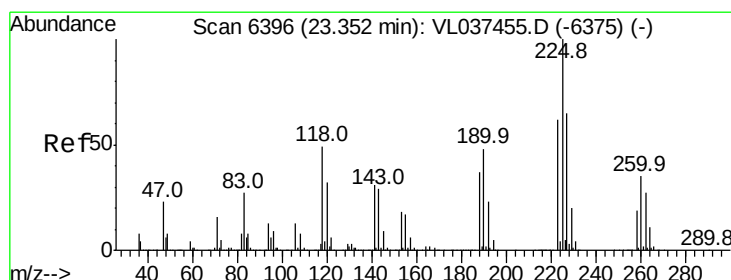
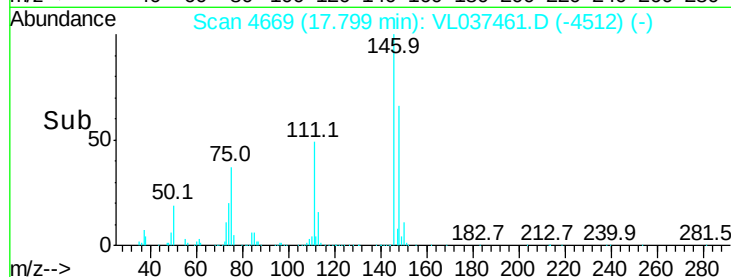
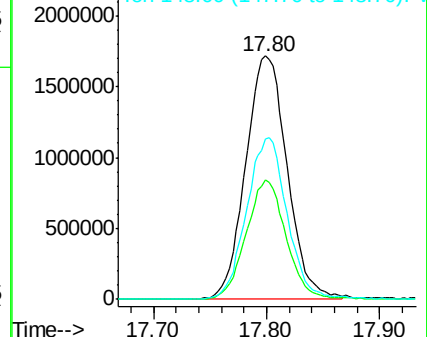
148 65.6 32.5 97.5



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: 13.449 ppbv

RT: 23.36 min Scan# 6399

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

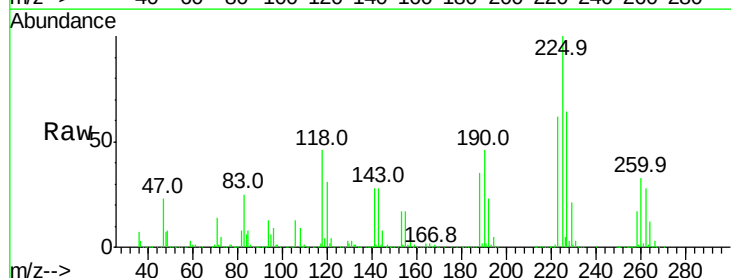
Tgt Ion:225 Resp: 3307076

Ion Ratio Lower Upper

225 100

223 64.6 51.4 77.0

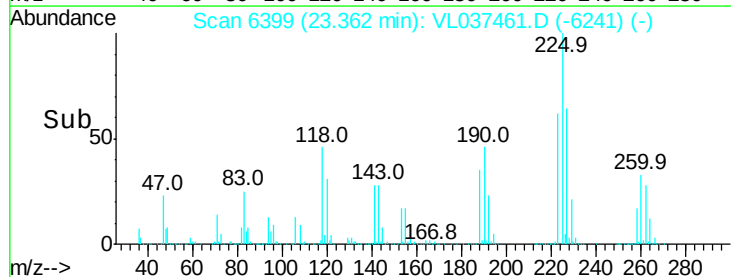
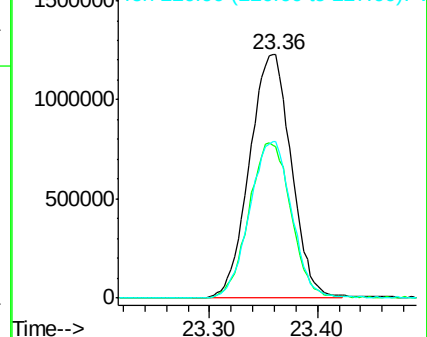
227 65.1 52.9 79.3

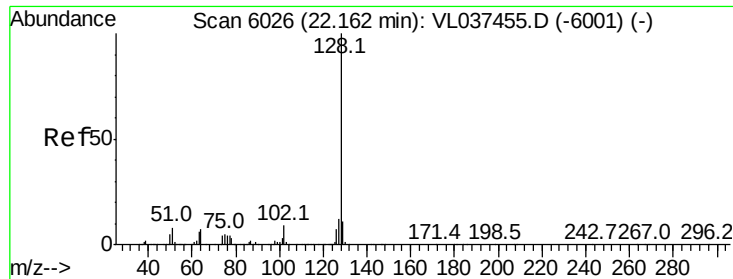


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 21.885 ppbv

RT: 22.17 min Scan# 6029

Delta R.T. 0.01 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Instrument :

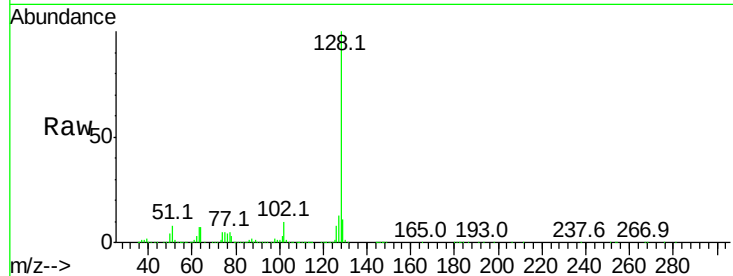
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion:128 Resp: 6132351

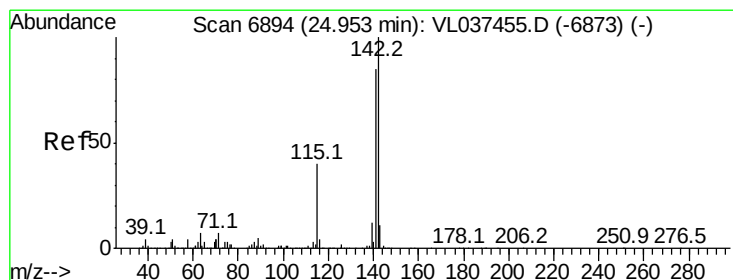
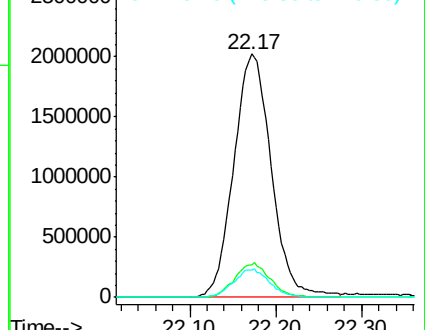
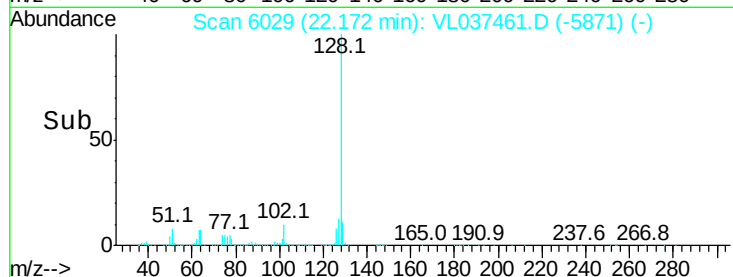
Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.4	14.2
129	11.4	8.8	13.2



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: 31.252 ppbv

RT: 24.96 min Scan# 6895

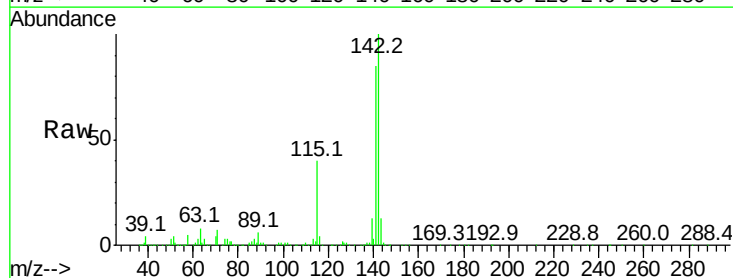
Delta R.T. 0.00 min

Lab File: VL037461.D

Acq: 16 Aug 2021 14:18

Tgt Ion:142 Resp: 1849572

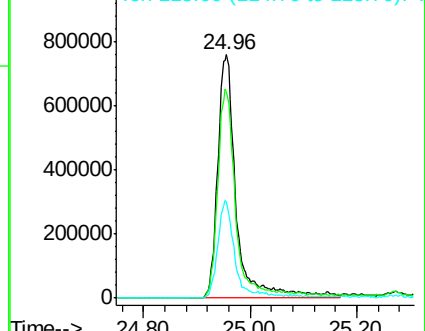
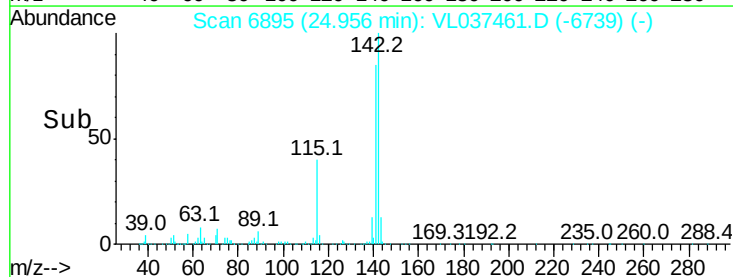
Ion	Ratio	Lower	Upper
142	100		
141	82.6	64.7	97.1
115	36.9	28.4	42.6

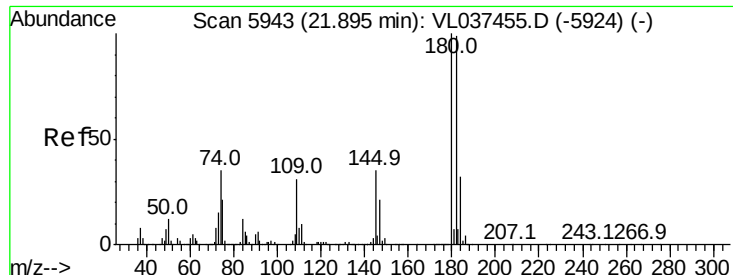


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

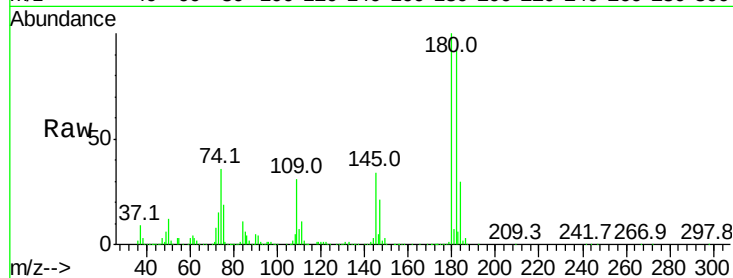




#81
 1,2,4-Trichlorobenzene
 Concen: 18.761 ppbv
 RT: 21.91 min Scan# 5946
 Delta R.T. 0.01 min
 Lab File: VL037461.D
 Acq: 16 Aug 2021 14:18

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:180 Resp: 3571893
 Ion Ratio Lower Upper
 180 100
 182 97.4 79.6 119.4
 184 30.5 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

