

Data File : VL037170.D
Acq On : 16 Jun 2021 13:14
Operator : SY/AP
Sample : VSTDIC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Quant Time: Jun 16 13:53:13 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 11:33:05 2021
QLast Update : Wed Jun 16 11:33:05 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1516522	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4512042	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5771602	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3301910	7.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	77.70%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	3033202	12.558	ppbv	97
3) Chlorodifluoromethane	2.99	51	3864069	13.583	ppbv	98
4) Chloromethane	3.14	50	1362549	14.056	ppbv	97
5) Vinyl Chloride	3.26	62	1492712	15.917	ppbv	99
6) Bromomethane	3.48	94	923233	15.477	ppbv	97
7) Chloroethane	3.56	64	539216	14.736	ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	3511785	13.609	ppbv	98
9) Propene	3.01	41	1256658	13.392	ppbv	100
10) Heptane	8.13	43	3224112	14.412	ppbv	100
11) Trichlorofluoromethane	3.95	101	3881493	14.164	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2743188	14.592	ppbv	100
13) Ethanol	3.62	45	153647	11.850	ppbv	52
14) Bromoethene	3.74	108	1201474	14.770	ppbv	98
15) Acetone	3.85	43	1966114	10.834	ppbv	97
16) 1,3-Butadiene	3.33	39	1414421	14.436	ppbv	100
17) tert-Butyl alcohol	4.30	59	2209666	14.070	ppbv	99
18) 1,1-Dichloroethene	4.29	96	1245098	14.681	ppbv	99
19) Isopropyl Alcohol	3.97	45	1315972	13.215	ppbv	99
20) Methylene Chloride	4.35	84	992682	12.552	ppbv	97
21) Allyl Chloride	4.42	41	1774298	14.635	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	1256147	15.202	ppbv	96
23) Vinyl Acetate	5.08	43	3649195	15.313	ppbv	98
24) 1,1-Dichloroethane	5.02	63	2738410	14.319	ppbv	99
25) Ethyl Acetate	5.68	43	5078002	14.281	ppbv	100
26) Hexane	5.69	57	2406122	13.606	ppbv	99
27) Carbon Disulfide	4.56	76	2942840	16.414	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	3087078	13.938	ppbv	100
29) Chloroform	5.76	83	4032966	14.127	ppbv	99
30) Cyclohexane	7.14	84	2137331	13.863	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	2490543	14.614	ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	4159085	15.866	ppbv	100
34) 2-Butanone	5.25	43	2419428	14.278	ppbv	99
35) Carbon Tetrachloride	7.03	117	4486136	16.174	ppbv	99
36) Benzene	6.90	78	5035235	14.064	ppbv	98
37) 1,2-Dichloroethane	6.32	62	3044960	14.646	ppbv	100
38) Trichloroethene	7.84	130	2206122	14.259	ppbv	99
39) 1,2-Dichloropropane	7.62	63	1941176	14.201	ppbv	98
40) 1,4-Dioxane	7.84	88	232030	6.062	ppbv #	1
41) Tetrahydrofuran	6.06	42	1218076	14.770	ppbv	98
42) Bromodichloromethane	7.80	83	4225854	14.753	ppbv	98
43) Methyl Methacrylate	8.02	69	1900309	15.471	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	8066716	13.461	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	2054134	18.558	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	2530302	17.133	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	2169104	13.990	ppbv	98
48) Dibromochloromethane	10.32	129	3886553	15.538	ppbv	99
49) Bromoform	13.05	173	3085640	15.792	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	3577572	14.352	ppbv	100
51) 2-Hexanone	10.15	43	1808862	14.538	ppbv #	99
52) Tetrachloroethene	11.23	164	2102171	14.197	ppbv	96
53) Toluene	9.82	91	6020499	14.147	ppbv	98
54) 1,2-Dibromoethane	10.62	107	3262303	14.370	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	2588133	10.282	ppbv	95
57) Chlorobenzene	12.16	112	4598330	9.943	ppbv	99
58) Ethyl Benzene	12.72	91	7851762	10.043	ppbv	97
59) m/p-Xylene	13.01	91	7383738	11.114	ppbv #	44
60) o-Xylene	13.71	91	6283436	9.850	ppbv	99
61) Styrene	13.54	104	3723704	11.073	ppbv	98
62) Isopropylbenzene	14.68	105	8582452	9.439	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	4111695	9.914	ppbv	99
64) n-propylbenzene	15.58	120	2389583	10.305	ppbv	95
65) tert-Butylbenzene	16.76	119	7648171	9.282	ppbv	99
66) Benzyl Chloride	17.00	91	389938	10.841	ppbv	97
67) sec-Butylbenzene	17.31	105	10082826	9.210	ppbv	98
69) p-Isopropyltoluene	17.66	119	8870702	9.692	ppbv	98
70) n-Butylbenzene	18.56	91	8417479	10.052	ppbv	99
71) 2-Chlorotoluene	15.46	91	6282513	9.687	ppbv	99
72) 4-Ethyltoluene	15.85	105	7464074	10.073	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	6751580	9.606	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	6983335	9.765	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	4314953	9.799	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	4280012	9.786	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	4143404	9.543	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	3156611	10.256	ppbv	99
79) Naphthalene	22.21	128	7087420	16.466	ppbv	100
80) Naphthalene,2-methyl-	24.98	142	2338527	22.456	ppbv	96
81) 1,2,4-Trichlorobenzene	21.94	180	3728169	13.616	ppbv	99

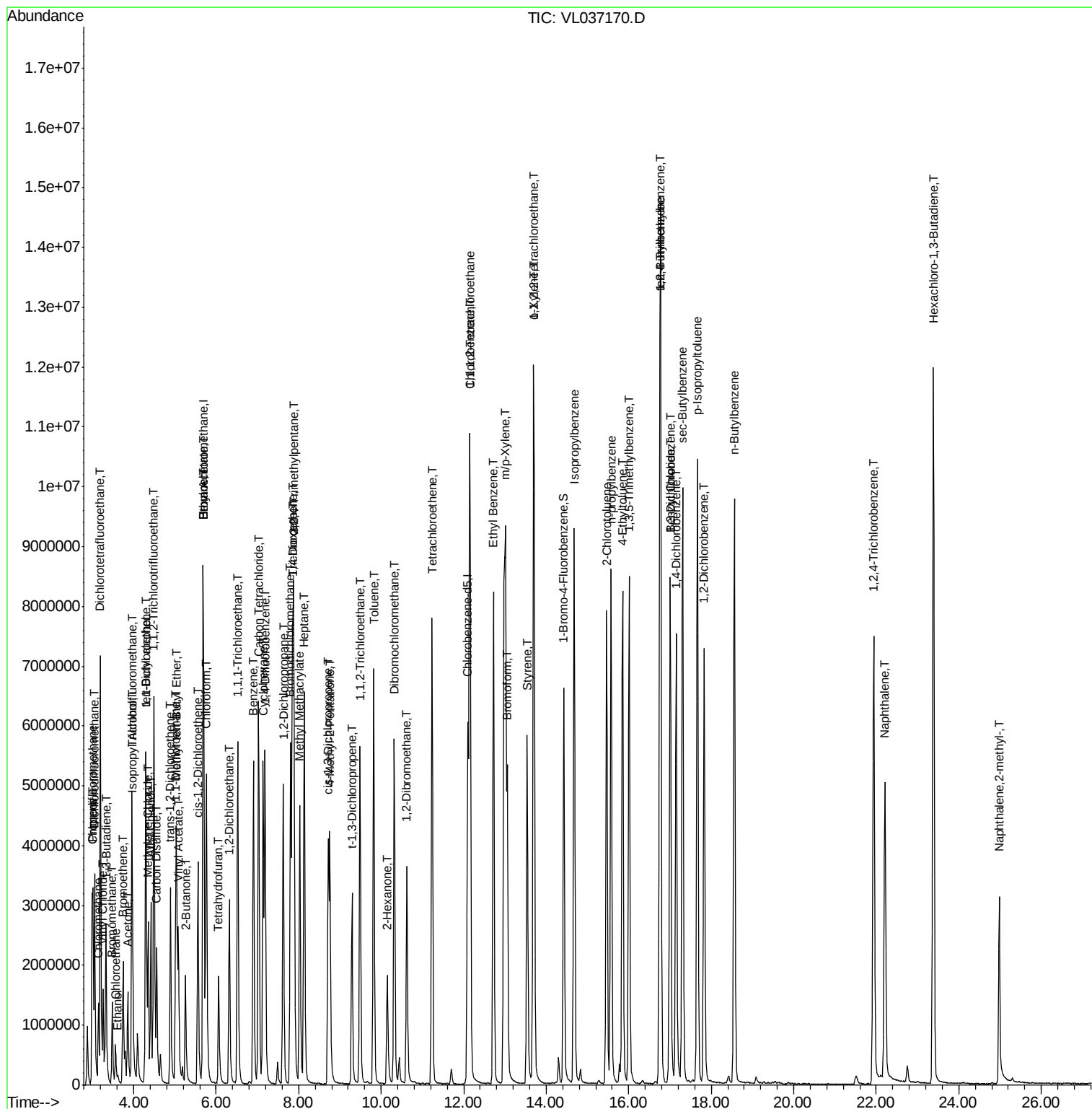
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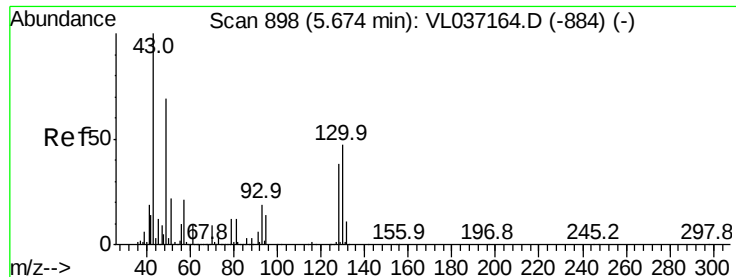
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL037170.D

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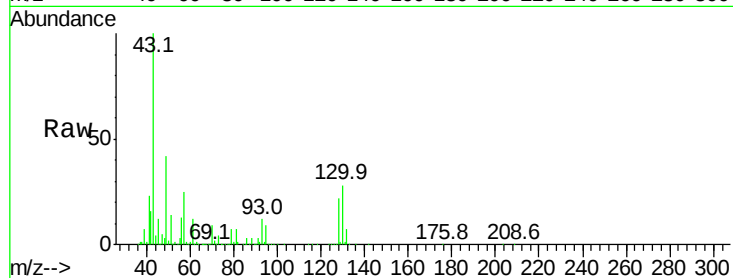
Tgt Ion: 49 Resp: 1516522

Ion Ratio Lower Upper

49 100

128 59.5 29.3 88.0

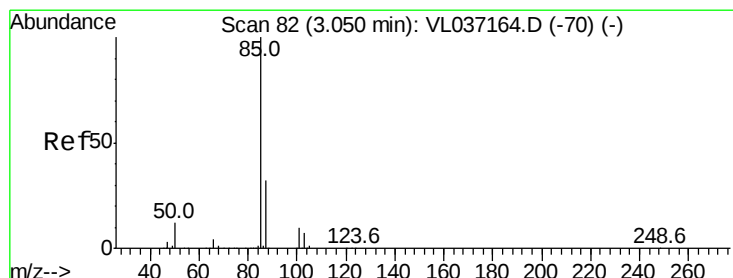
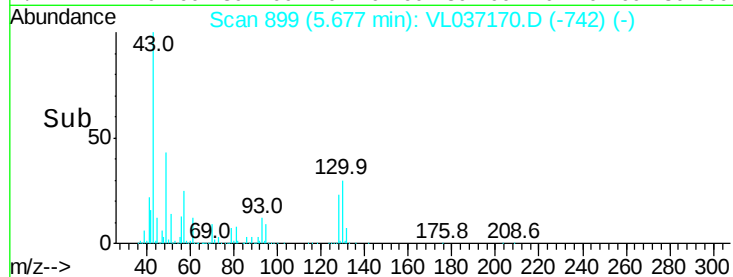
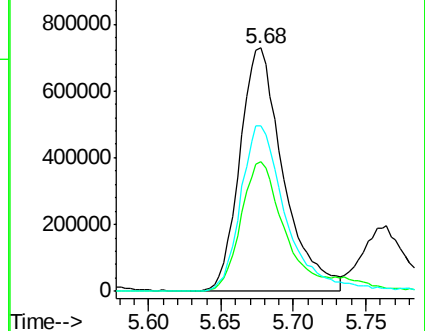
130 72.3 35.9 107.8



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: 12.558 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037170.D

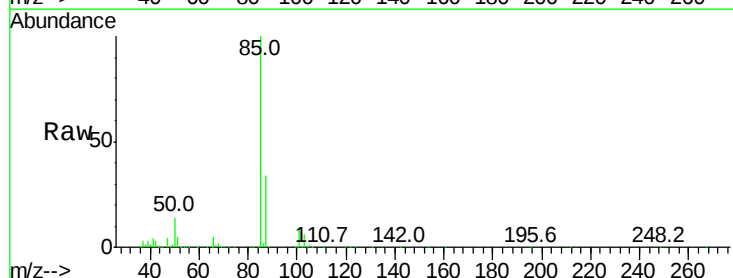
Acq: 16 Jun 2021 13:14

Tgt Ion: 85 Resp: 3033202

Ion Ratio Lower Upper

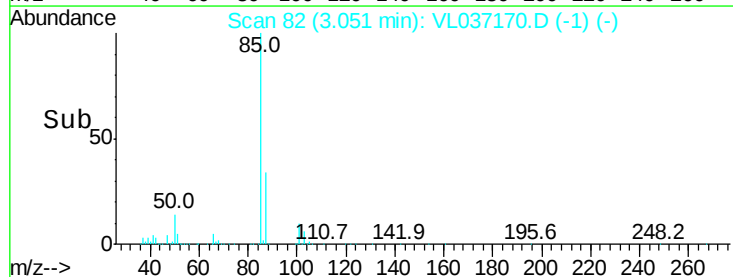
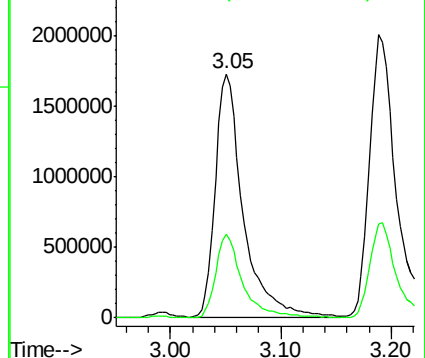
85 100

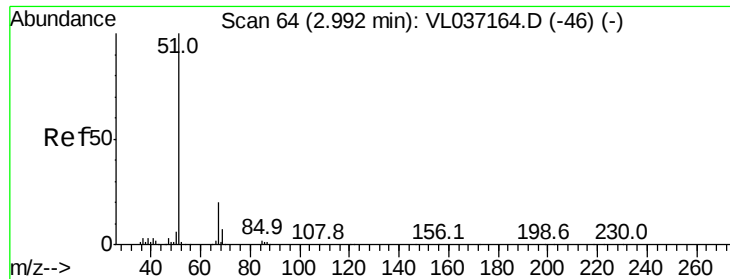
87 34.1 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

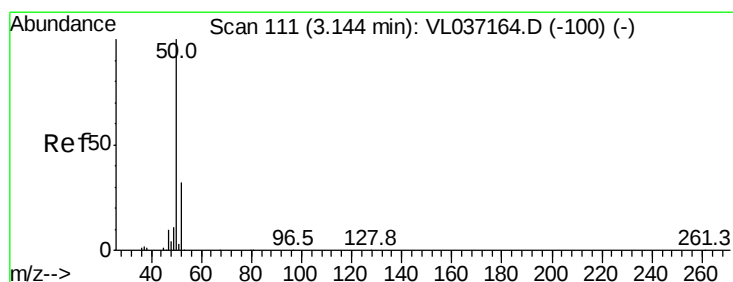
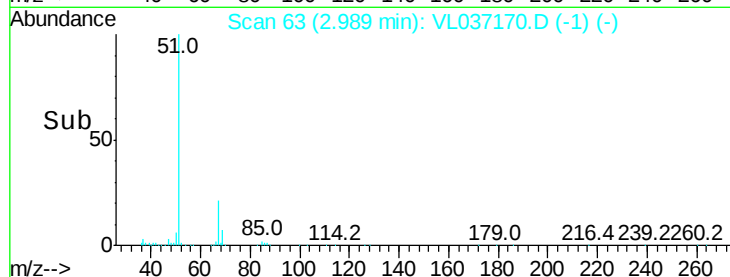
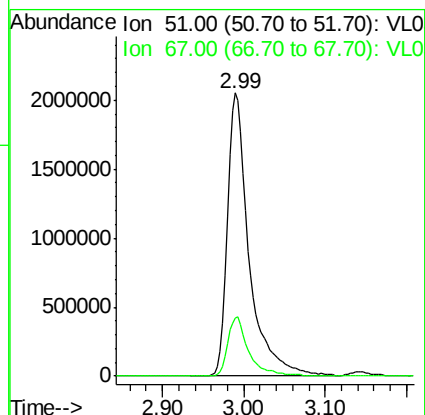
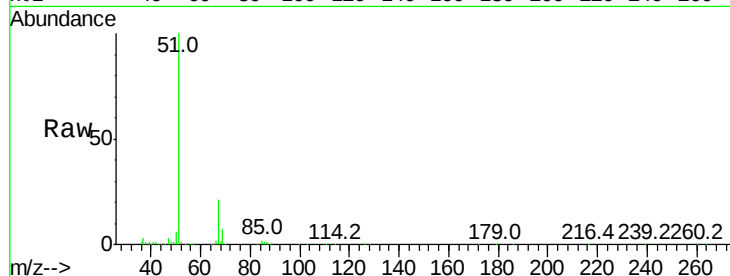




#3
Chlorodifluoromethane
Concen: 13.583 ppbv
RT: 2.99 min Scan# 63
Delta R.T. -0.00 min
Lab File: VL037170.D
Acq: 16 Jun 2021 13:14

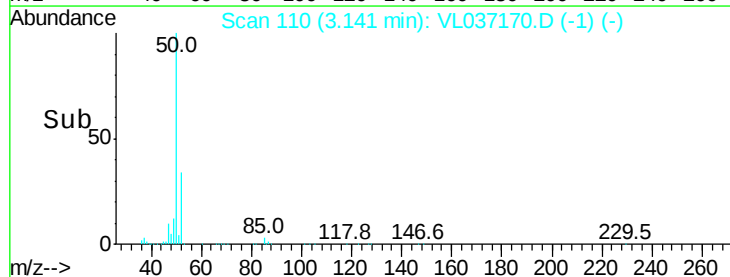
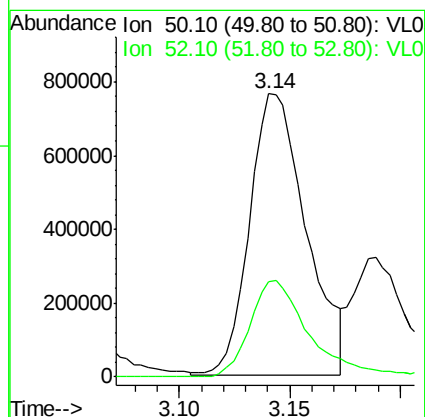
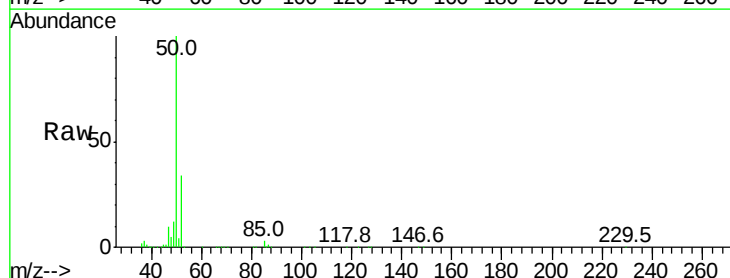
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

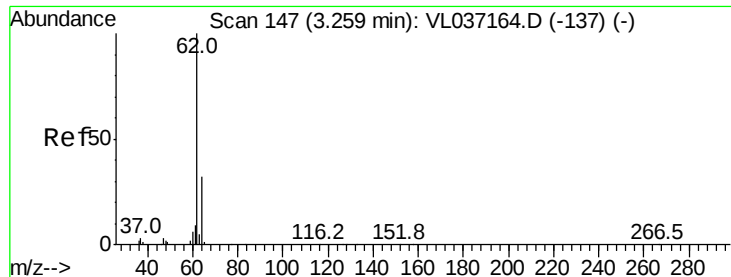
Tgt Ion: 51 Resp: 3864069
Ion Ratio Lower Upper
51 100
67 20.4 15.8 23.6



#4
Chloromethane
Concen: 14.056 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL037170.D
Acq: 16 Jun 2021 13:14

Tgt Ion: 50 Resp: 1362549
Ion Ratio Lower Upper
50 100
52 34.0 25.8 38.8





#5

Vinyl Chloride

Concen: 15.917 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

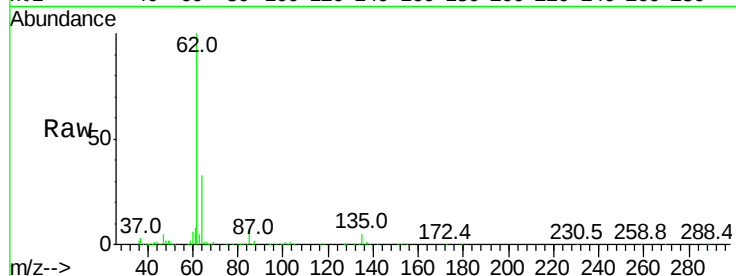
VSTDIC015

Tgt Ion: 62 Resp: 1492712

Ion Ratio Lower Upper

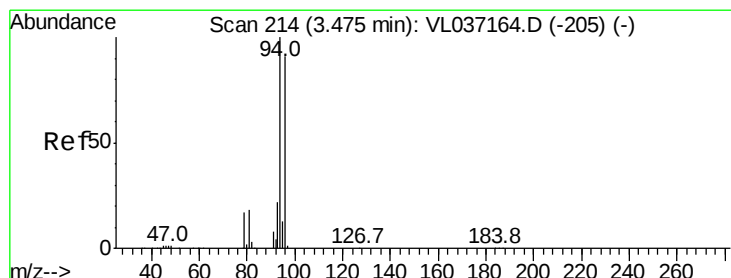
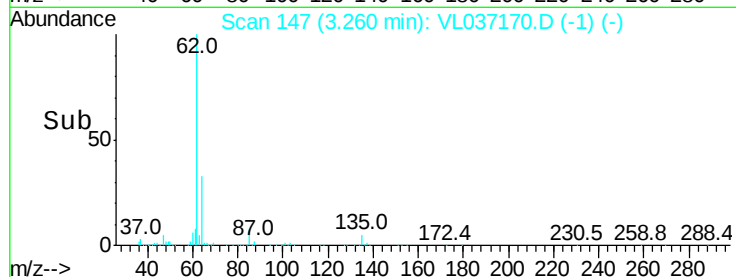
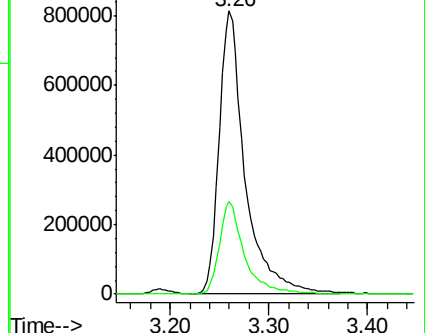
62 100

64 32.7 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 15.477 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.00 min

Lab File: VL037170.D

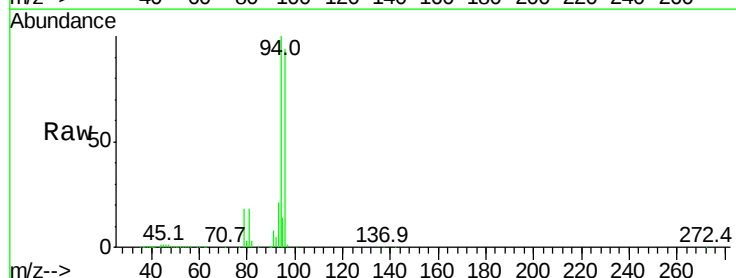
Acq: 16 Jun 2021 13:14

Tgt Ion: 94 Resp: 923233

Ion Ratio Lower Upper

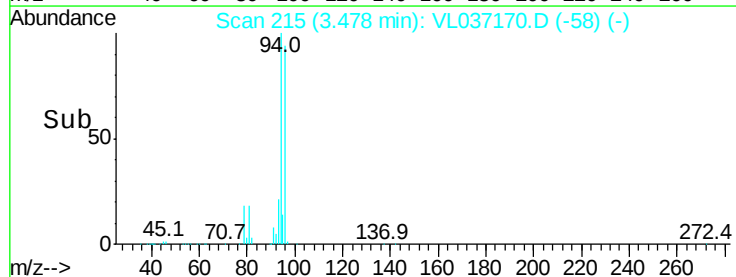
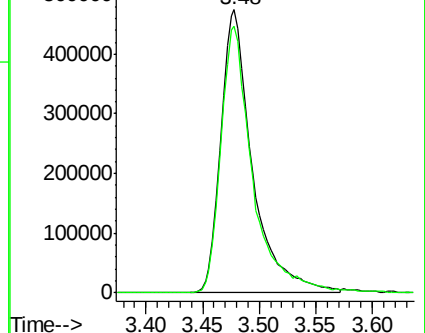
94 100

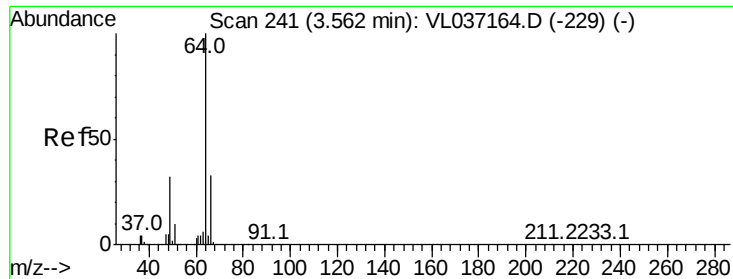
96 93.9 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 14.736 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

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ClientSampleId :

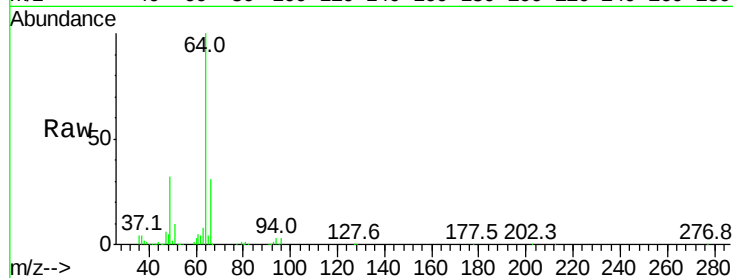
VSTDIC015

Tgt Ion: 64 Resp: 539216

Ion Ratio Lower Upper

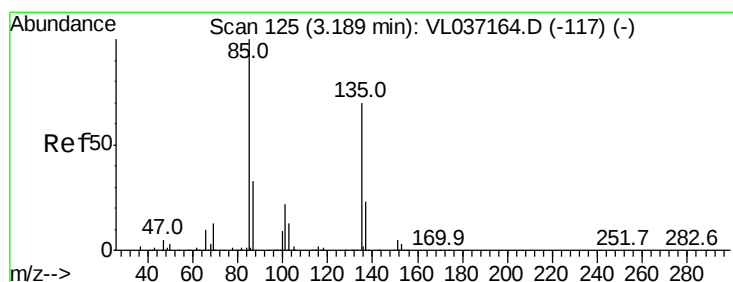
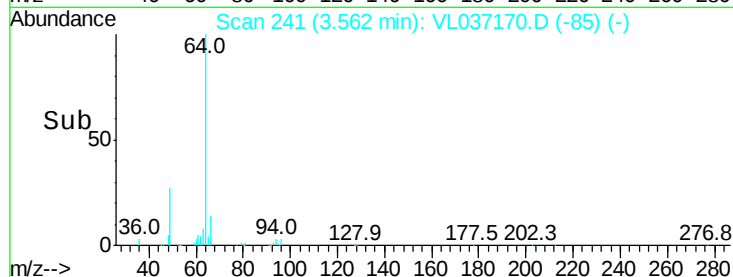
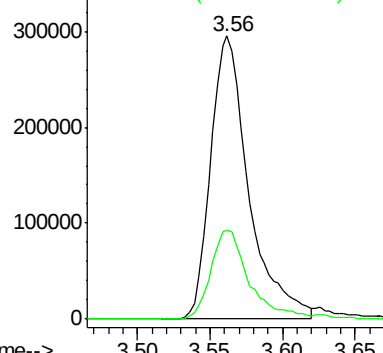
64 100

66 31.2 26.2 39.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 13.609 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL037170.D

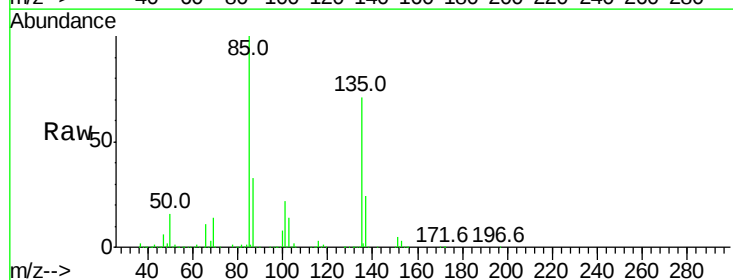
Acq: 16 Jun 2021 13:14

Tgt Ion: 85 Resp: 3511785

Ion Ratio Lower Upper

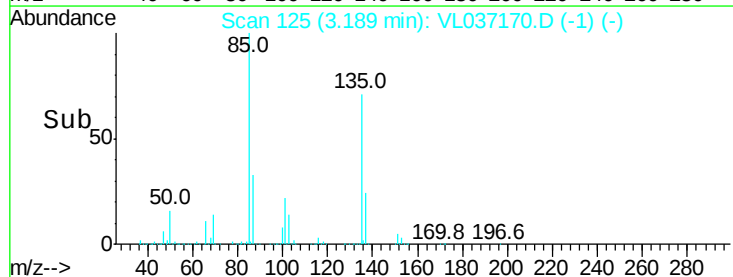
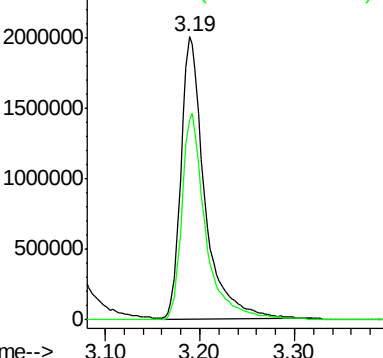
85 100

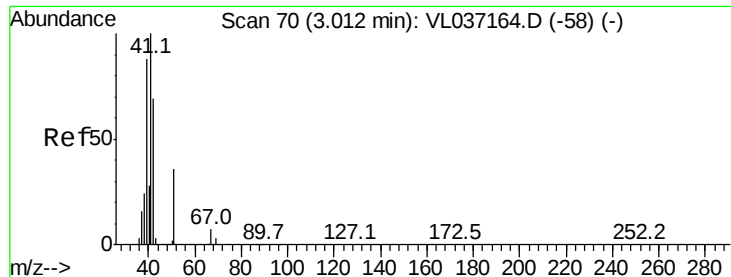
135 74.0 60.4 90.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 13.392 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

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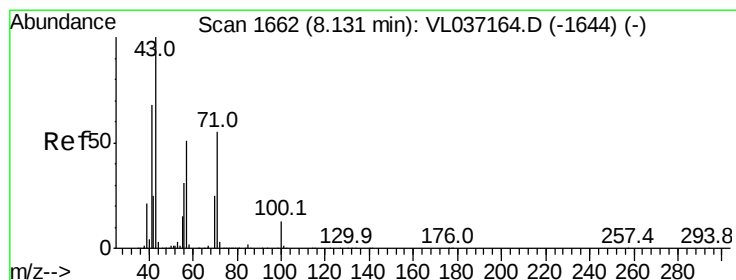
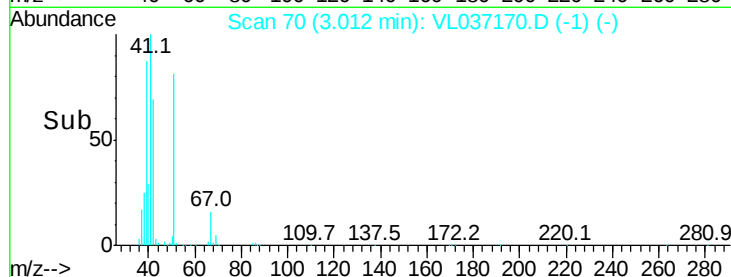
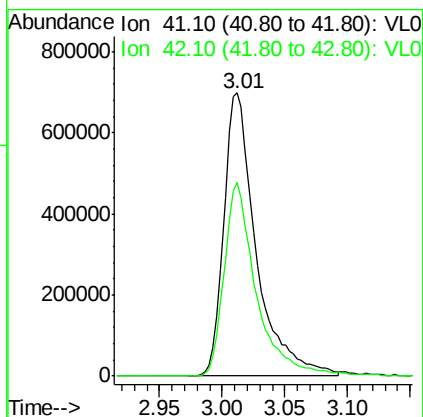
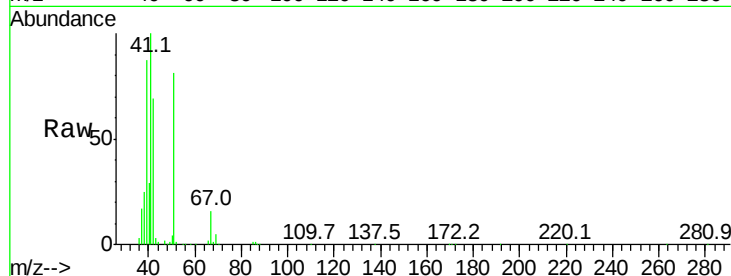
VSTDIC015

Tgt Ion: 41 Resp: 1256658

Ion Ratio Lower Upper

41 100

42 68.1 54.5 81.7



#10

Heptane

Concen: 14.412 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VL037170.D

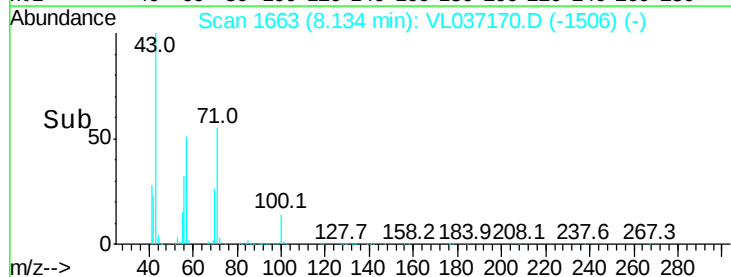
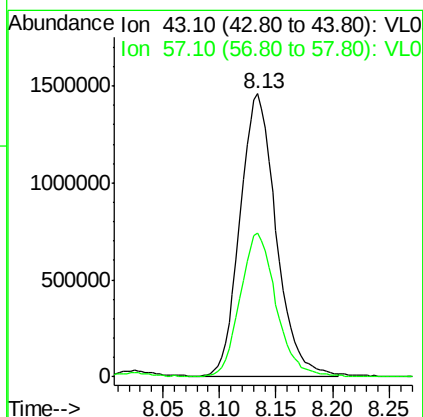
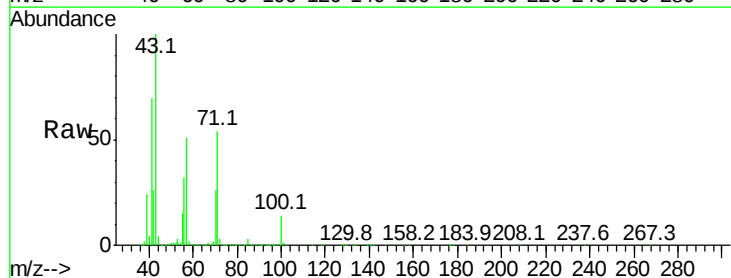
Acq: 16 Jun 2021 13:14

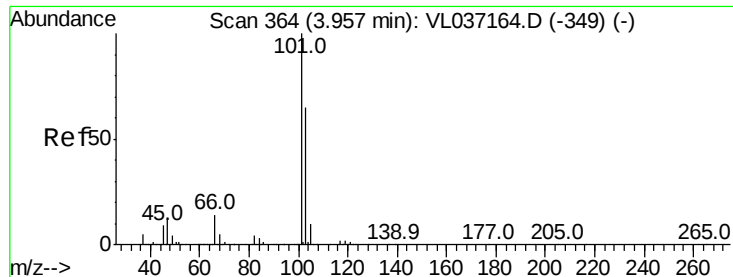
Tgt Ion: 43 Resp: 3224112

Ion Ratio Lower Upper

43 100

57 51.1 40.6 61.0





#11

Trichlorofluoromethane

Concen: 14.164 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

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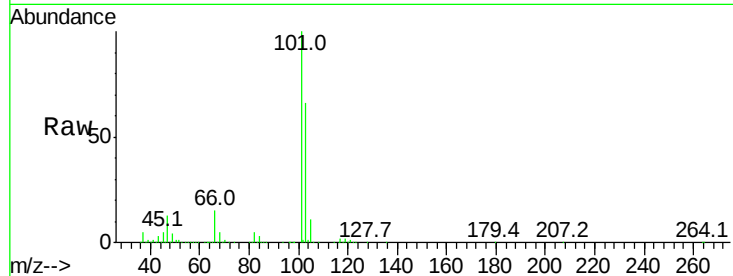
VSTDIC015

Tgt Ion:101 Resp: 3881493

Ion Ratio Lower Upper

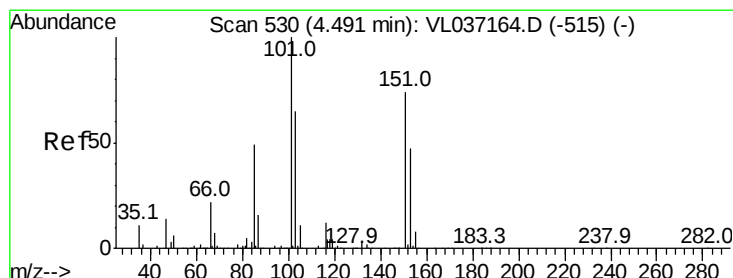
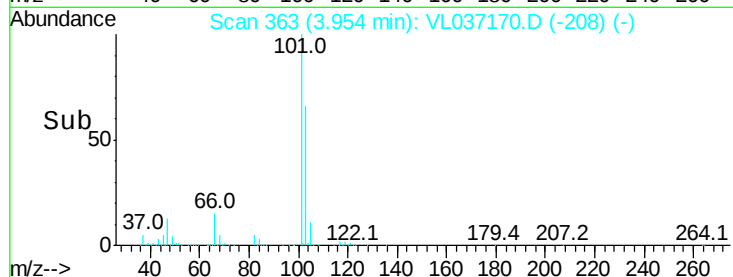
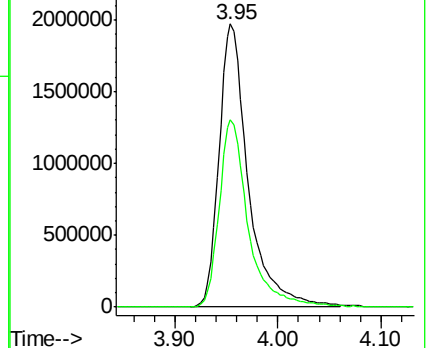
101 100

103 66.2 52.2 78.4



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: 14.592 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.00 min

Lab File: VL037170.D

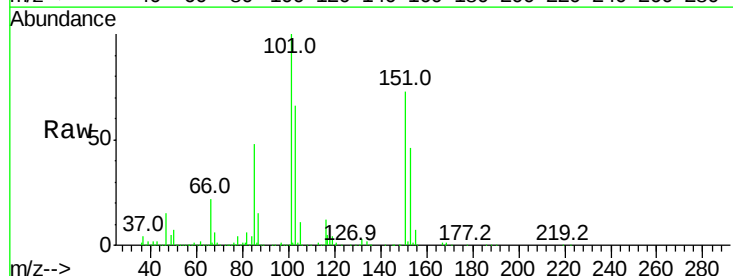
Acq: 16 Jun 2021 13:14

Tgt Ion:101 Resp: 2743188

Ion Ratio Lower Upper

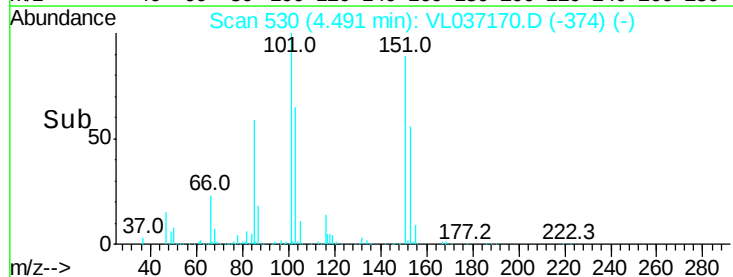
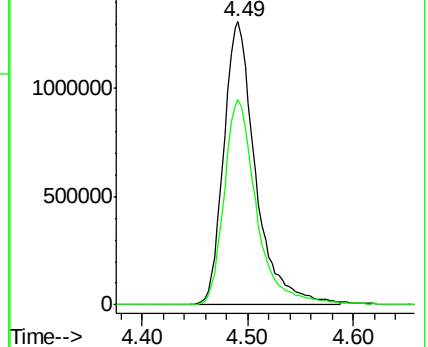
101 100

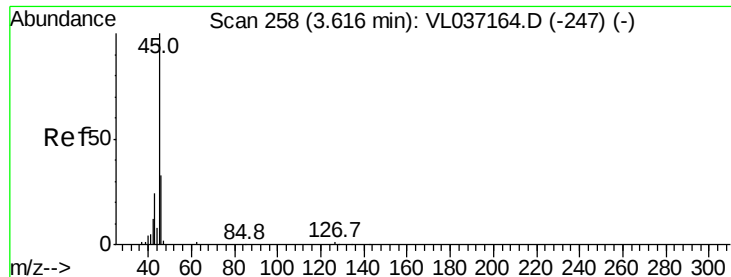
151 74.1 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 11.850 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

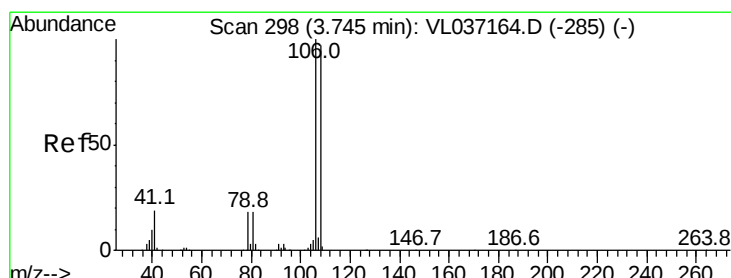
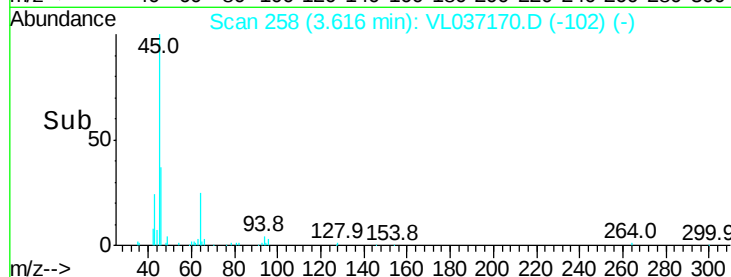
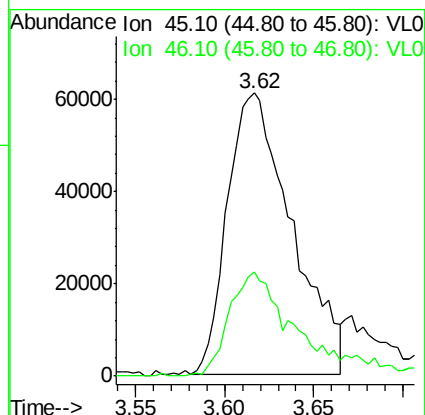
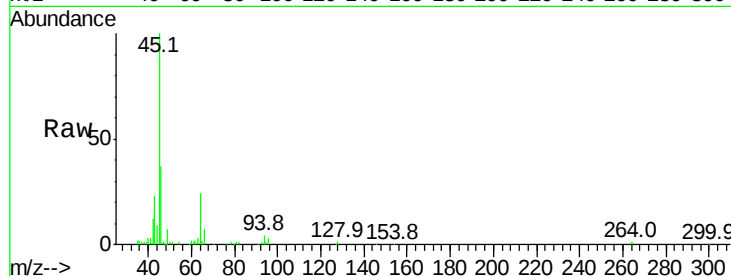
VSTDIC015

Tgt Ion: 45 Resp: 153647

Ion Ratio Lower Upper

45 100

46 41.2 34.2 137.0



#14

Bromoethene

Concen: 14.770 ppbv

RT: 3.74 min Scan# 297

Delta R.T. -0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

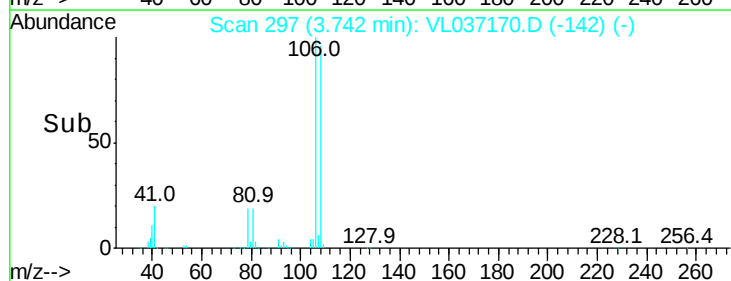
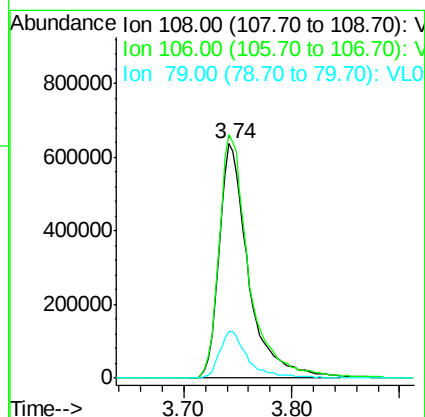
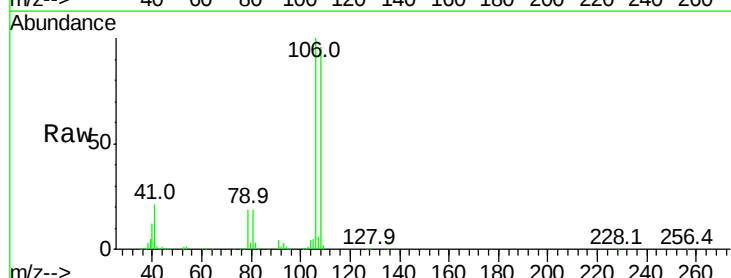
Tgt Ion: 108 Resp: 1201474

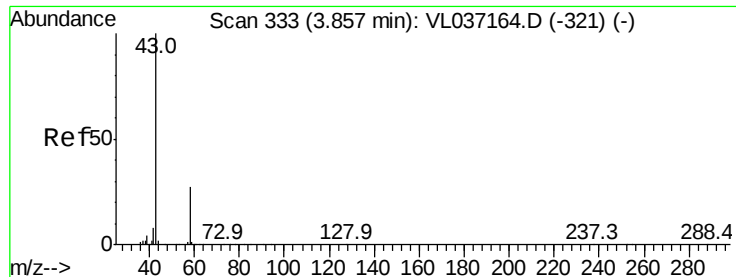
Ion Ratio Lower Upper

108 100

106 106.7 86.8 130.2

79 19.8 15.6 23.4





#15

Acetone

Concen: 10.834 ppbv

RT: 3.85 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

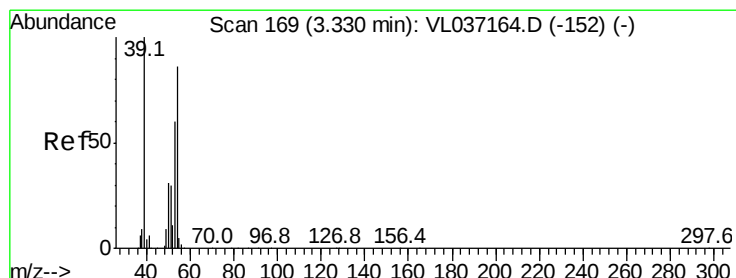
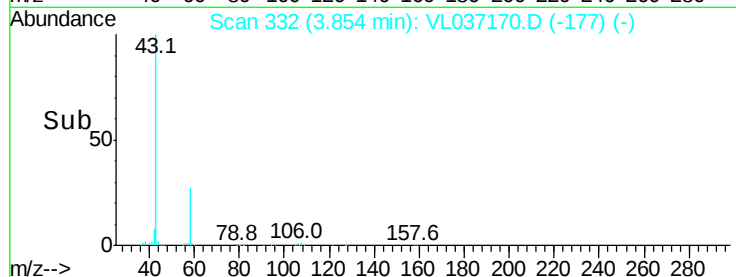
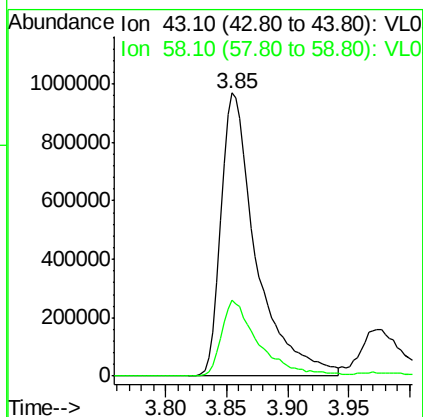
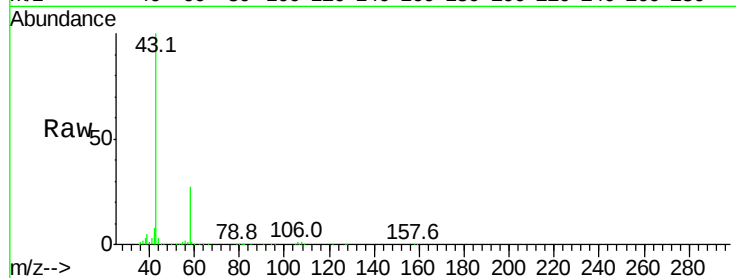
VSTDIC015

Tgt Ion: 43 Resp: 1966114

Ion Ratio Lower Upper

43 100

58 27.9 23.7 35.5



#16

1,3-Butadiene

Concen: 14.436 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.00 min

Lab File: VL037170.D

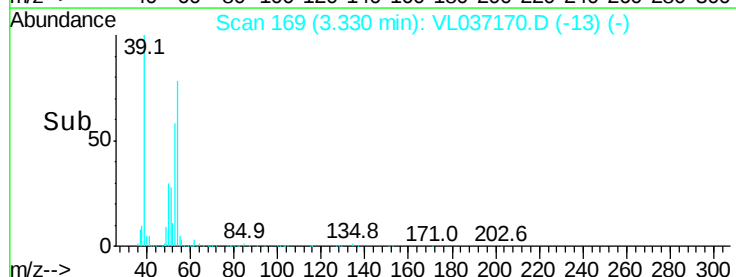
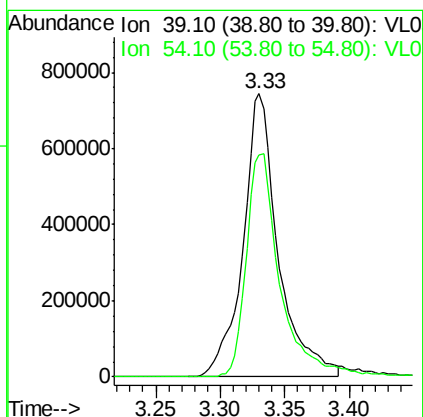
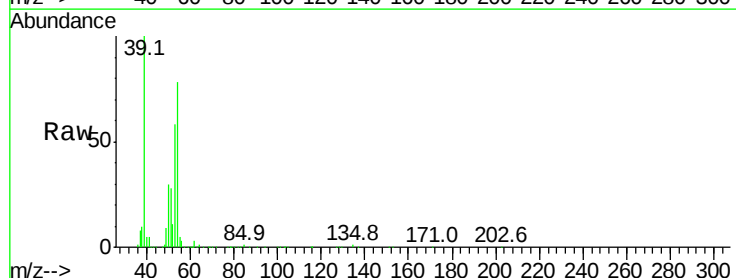
Acq: 16 Jun 2021 13:14

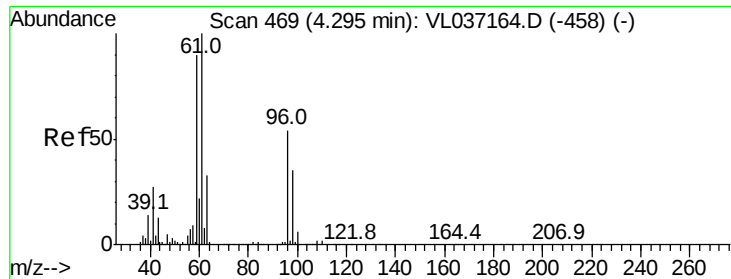
Tgt Ion: 39 Resp: 1414421

Ion Ratio Lower Upper

39 100

54 76.6 61.2 91.8





#17

tert-Butyl alcohol

Concen: 14.070 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

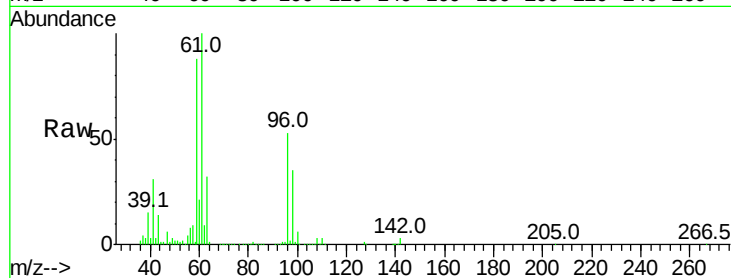
VSTDIC015

Tgt Ion: 59 Resp: 2209666

Ion Ratio Lower Upper

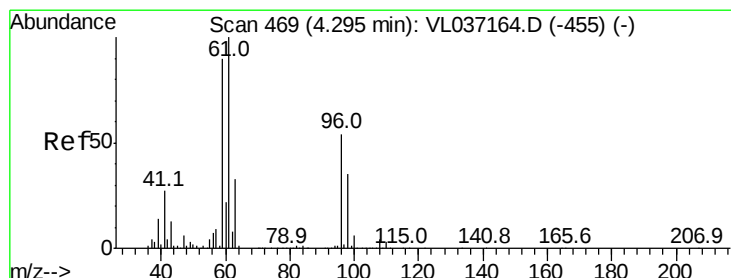
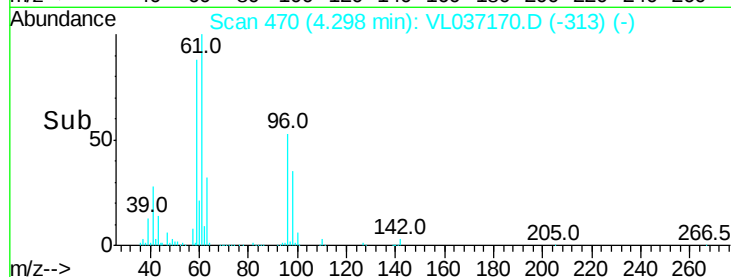
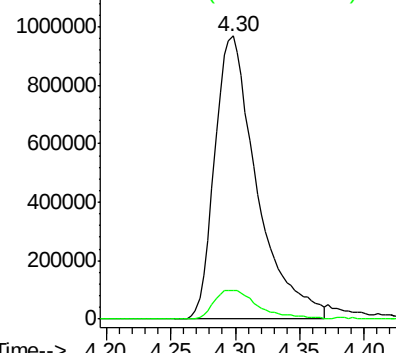
59 100

57 11.3 8.8 13.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 14.681 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

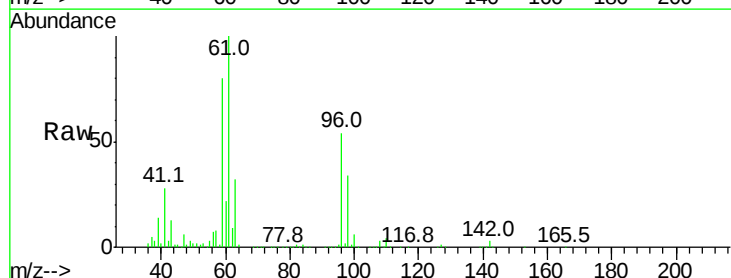
Tgt Ion: 96 Resp: 1245098

Ion Ratio Lower Upper

96 100

61 184.2 148.6 222.8

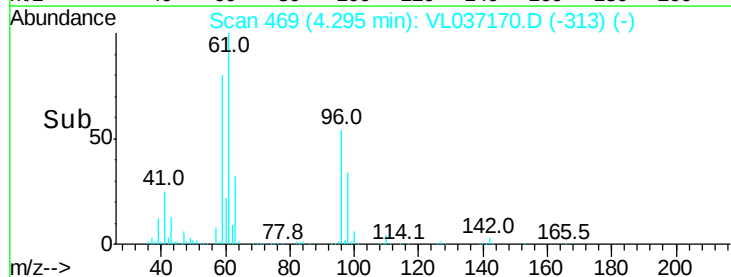
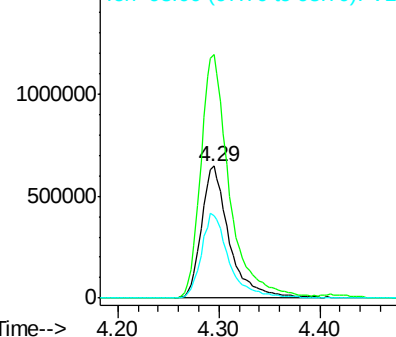
98 62.7 51.9 77.9

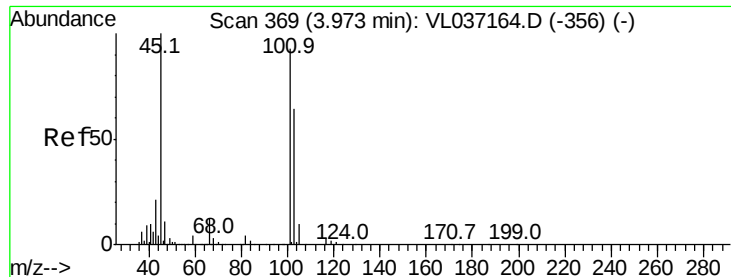


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 13.215 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

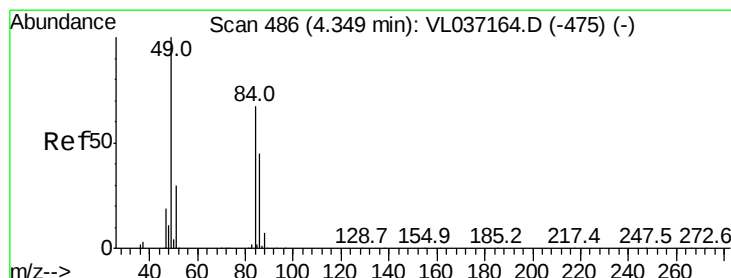
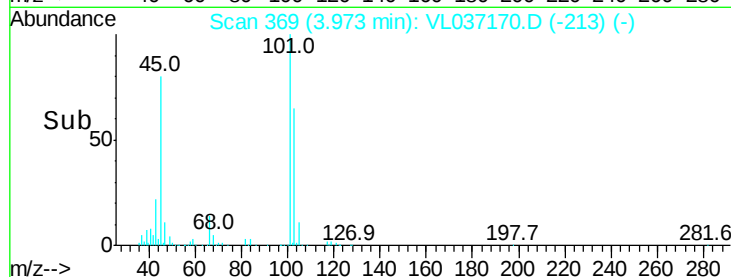
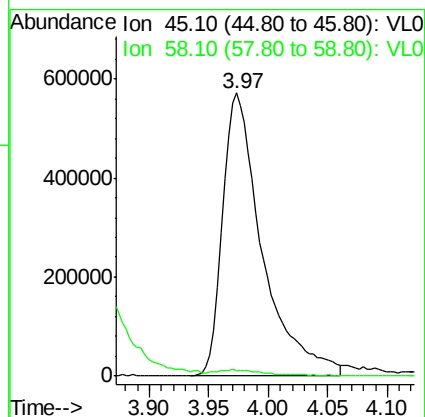
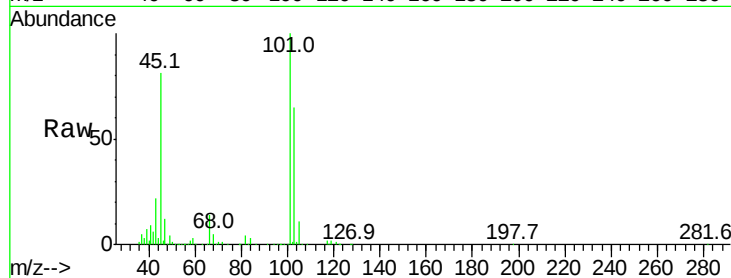
VSTDIC015

Tgt Ion: 45 Resp: 1315972

Ion Ratio Lower Upper

45 100

58 2.5 2.4 3.6



#20

Methylene Chloride

Concen: 12.552 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Tgt Ion: 84 Resp: 992682

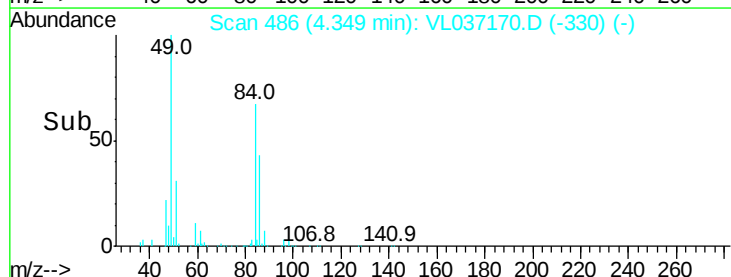
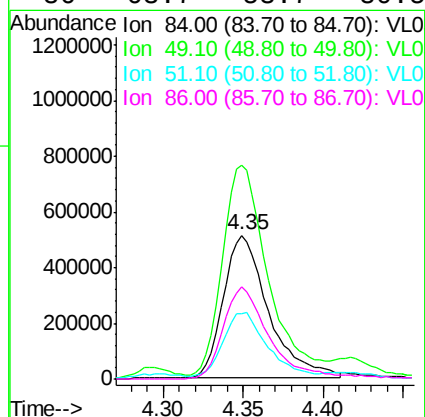
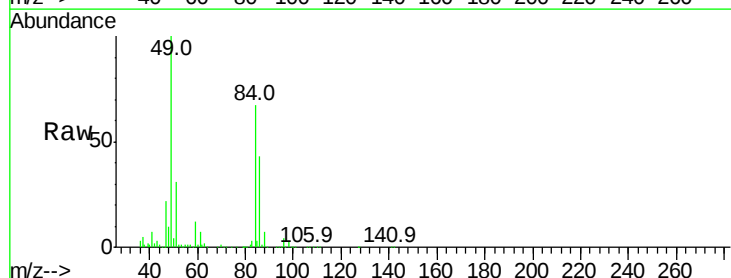
Ion Ratio Lower Upper

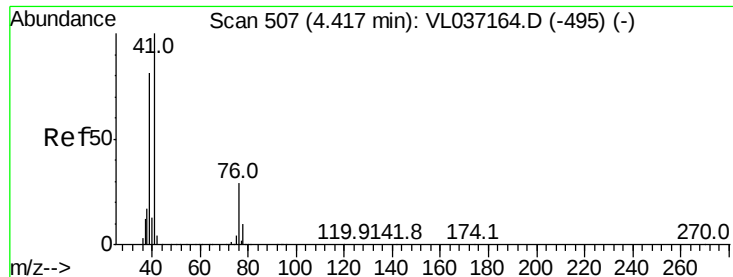
84 100

49 146.5 119.7 179.5

51 44.3 36.1 54.1

86 63.7 53.7 80.5





#21

Allyl Chloride

Concen: 14.635 ppbv

RT: 4.42 min Scan# 507

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

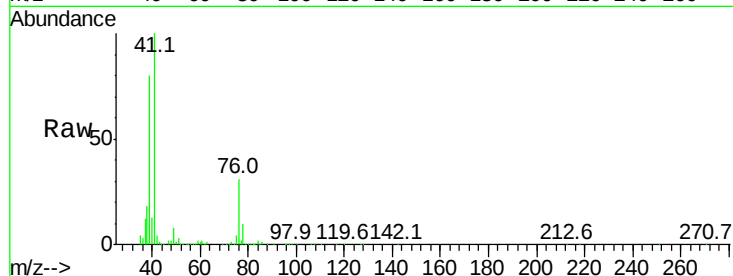
Tgt Ion: 41 Resp: 1774298

Ion Ratio Lower Upper

41 100

76 32.4 24.6 37.0

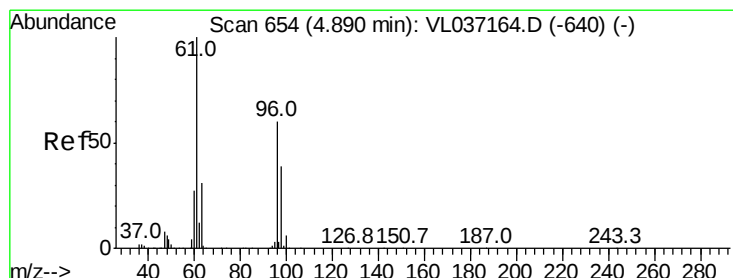
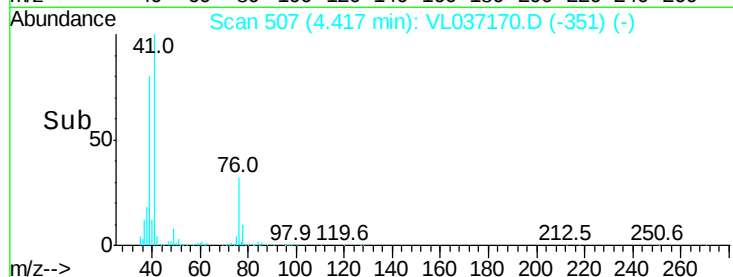
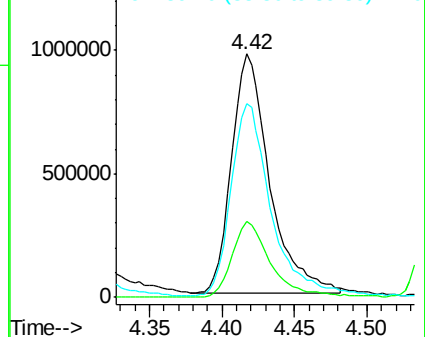
39 84.8 65.4 98.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 15.202 ppbv

RT: 4.89 min Scan# 655

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

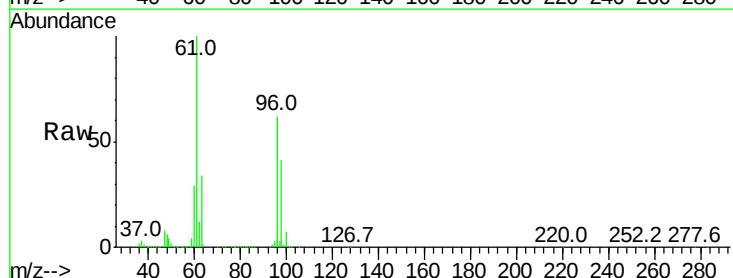
Tgt Ion: 96 Resp: 1256147

Ion Ratio Lower Upper

96 100

61 160.8 133.9 200.9

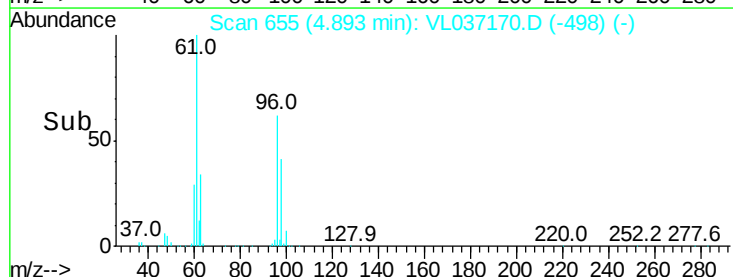
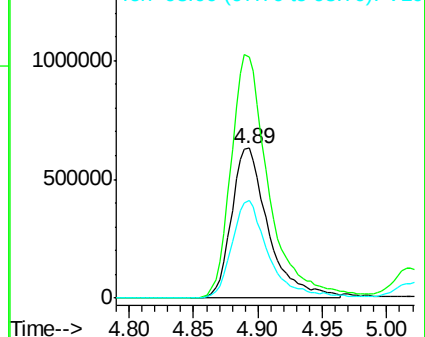
98 65.5 52.9 79.3

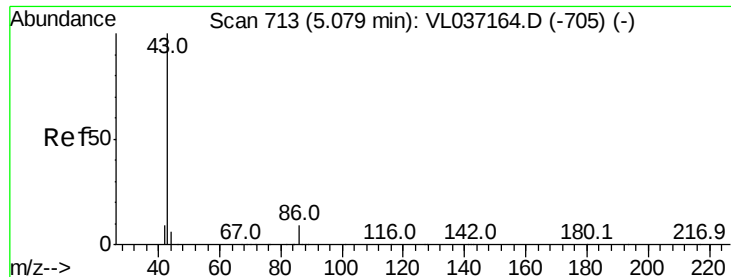


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 15.313 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 3649195

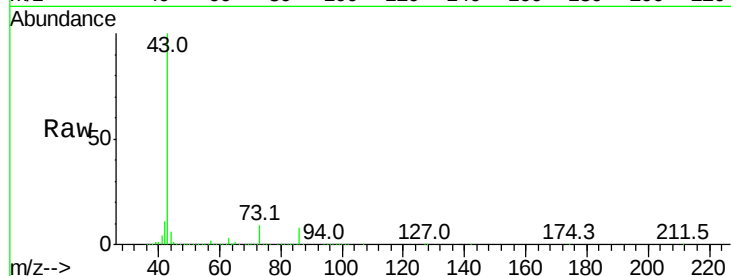
Ion Ratio Lower Upper

43 100

86 8.1 5.8 8.8

42 10.6 8.2 12.2

44 4.9 4.2 6.4

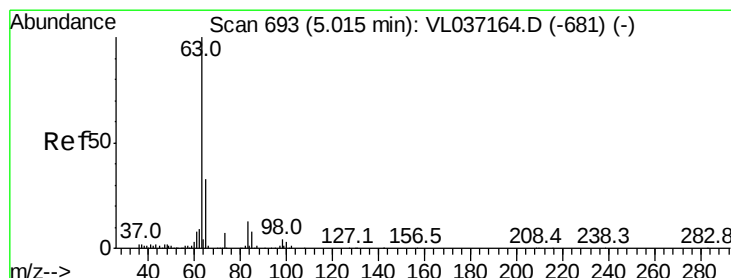
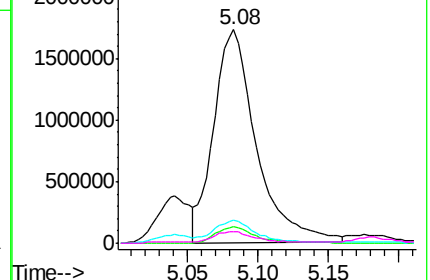
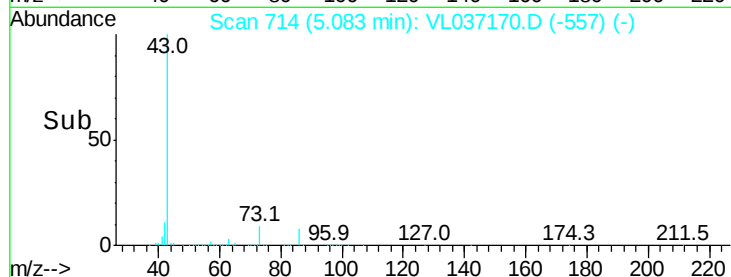


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 14.319 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

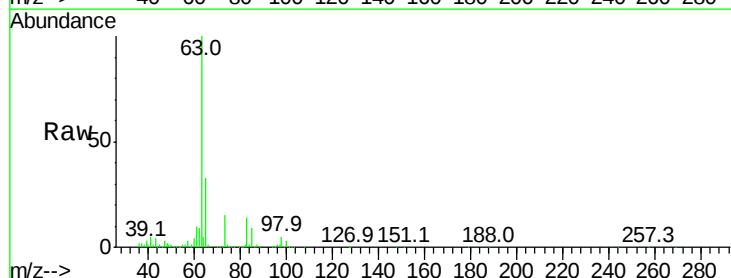
Tgt Ion: 63 Resp: 2738410

Ion Ratio Lower Upper

63 100

98 4.8 2.1 6.5

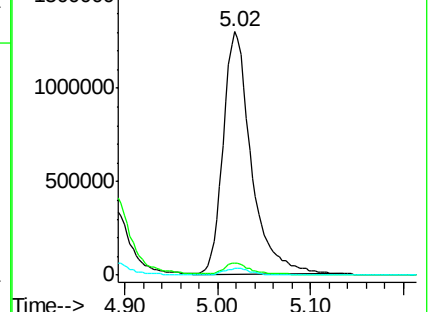
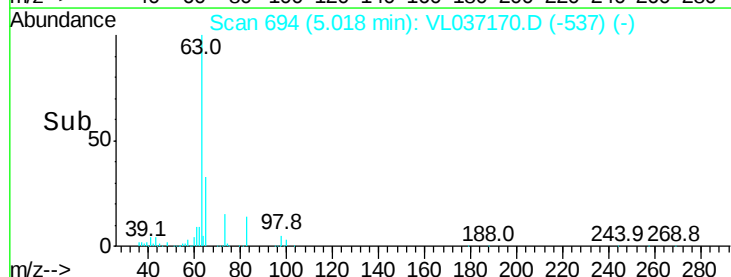
100 2.9 1.4 4.0

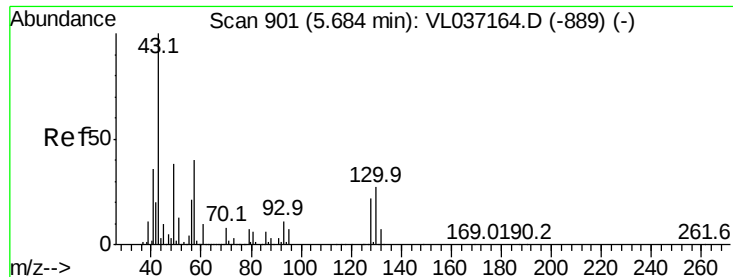


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



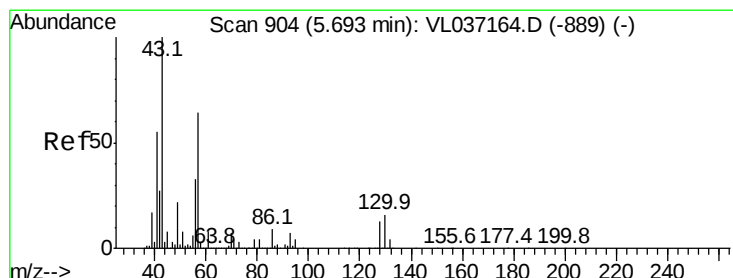
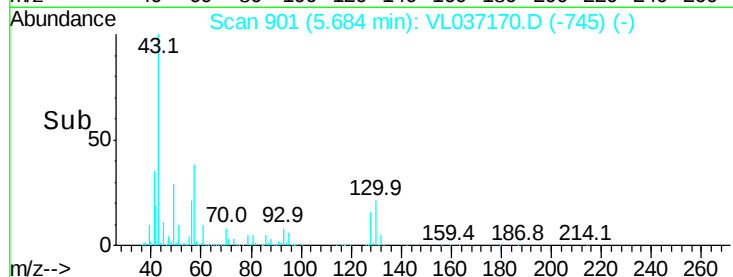
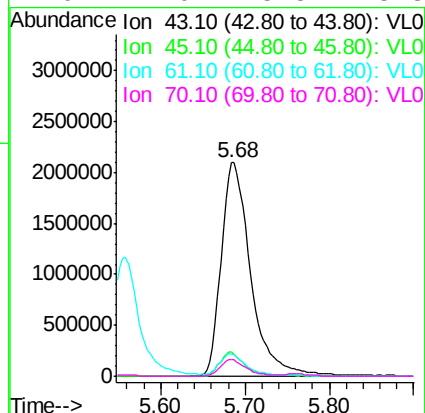
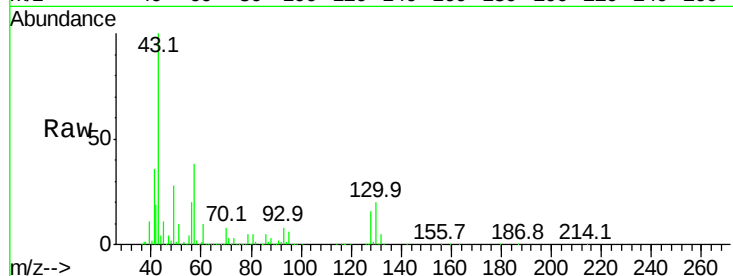


#25
Ethyl Acetate
Concen: 14.281 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL037170.D
Acq: 16 Jun 2021 13:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 43 Resp: 5078002

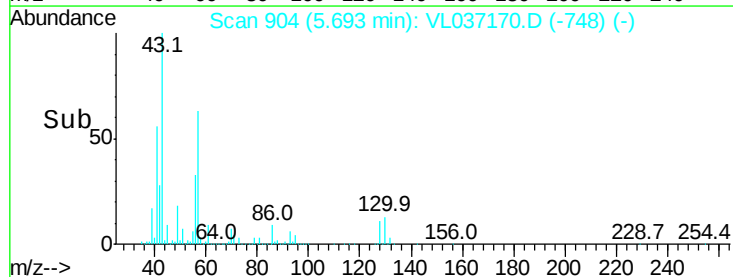
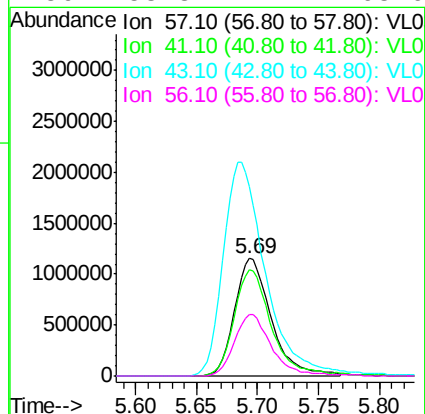
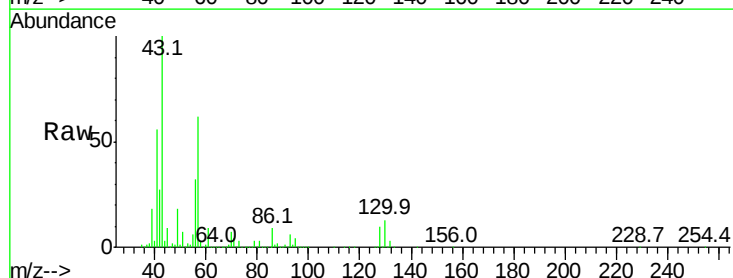
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	10.1	8.1	12.1
70	7.0	5.5	8.3

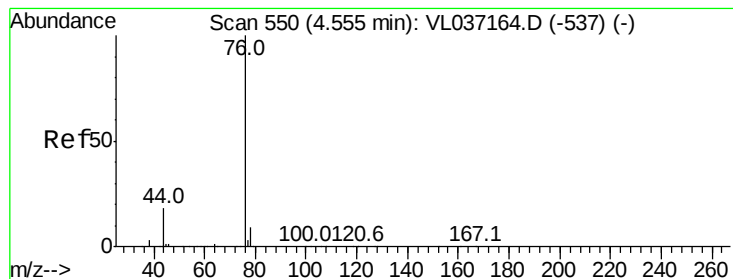


#26
Hexane
Concen: 13.606 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL037170.D
Acq: 16 Jun 2021 13:14

Tgt Ion: 57 Resp: 2406122

Ion	Ratio	Lower	Upper
57	100		
41	93.1	73.5	110.3
43	213.0	170.7	256.1
56	53.3	42.4	63.6





#27

Carbon Disulfide

Concen: 16.414 ppbv

RT: 4.56 min Scan# 550

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

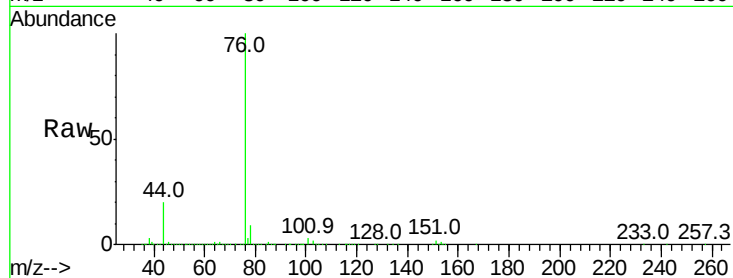
Tgt Ion: 76 Resp: 2942840

Ion Ratio Lower Upper

76 100

44 19.2 15.4 23.2

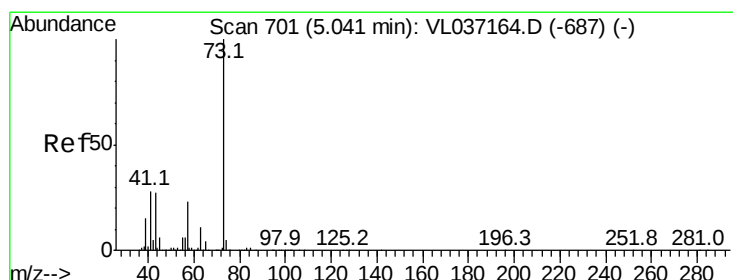
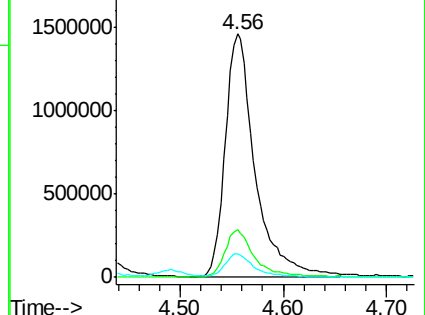
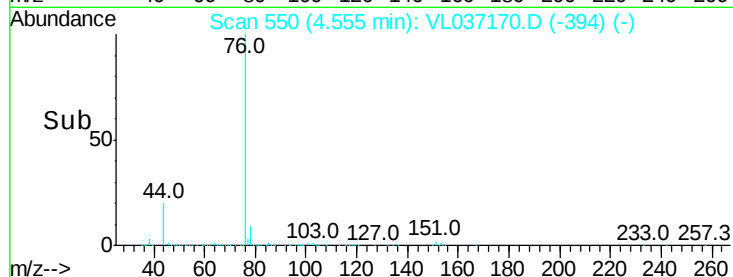
78 9.9 8.0 12.0



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 13.938 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.00 min

Lab File: VL037170.D

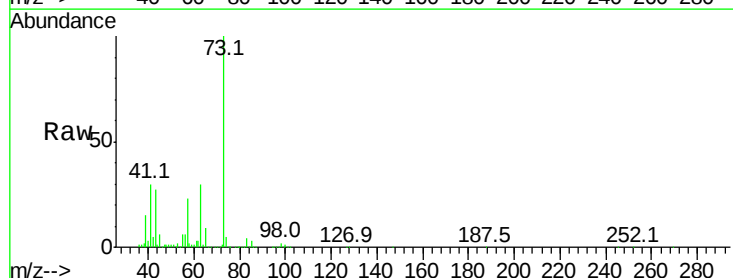
Acq: 16 Jun 2021 13:14

Tgt Ion: 73 Resp: 3087078

Ion Ratio Lower Upper

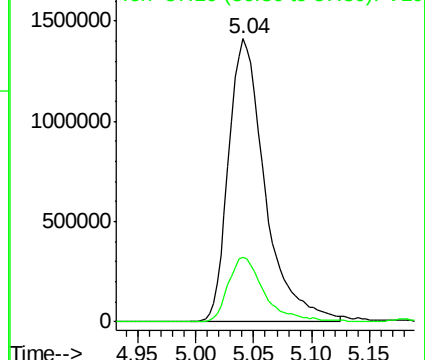
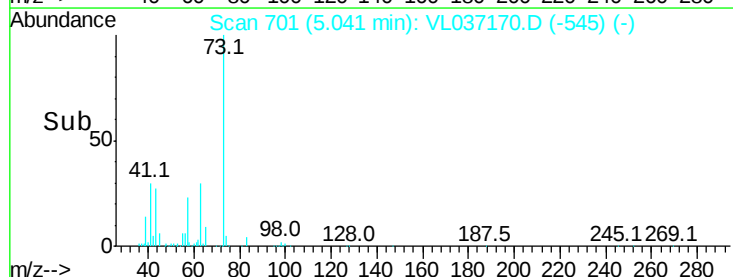
73 100

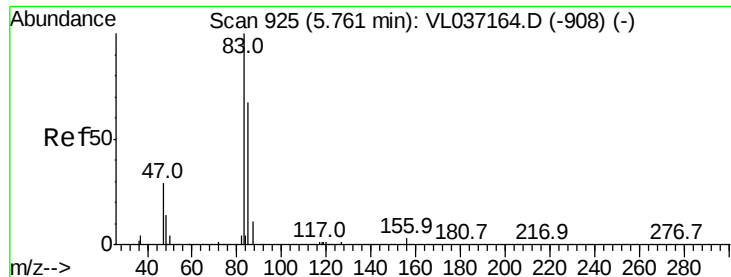
57 22.7 18.0 27.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 14.127 ppbv

RT: 5.76 min Scan# 925

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

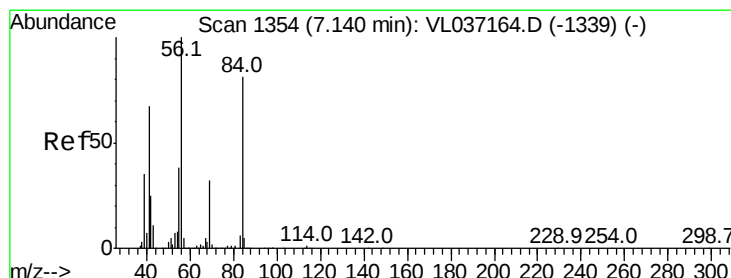
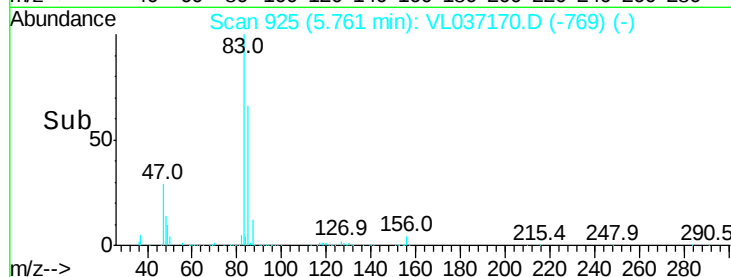
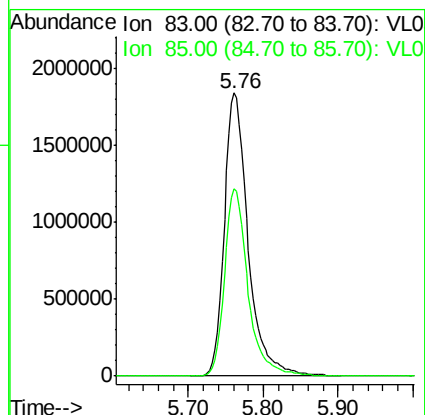
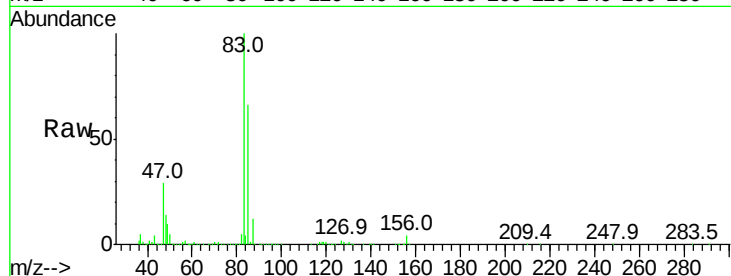
VSTDIC015

Tgt Ion: 83 Resp: 4032966

Ion Ratio Lower Upper

83 100

85 66.0 53.6 80.4



#30

Cyclohexane

Concen: 13.863 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. -0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

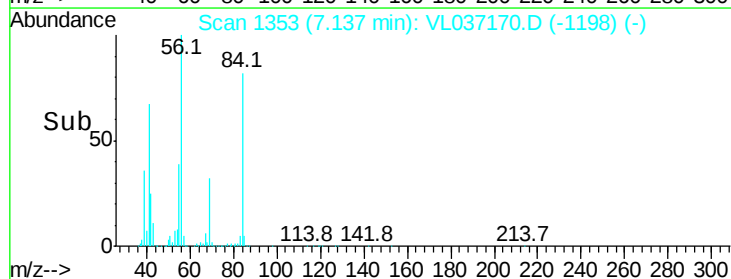
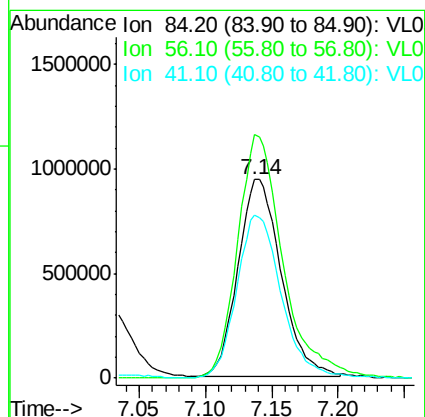
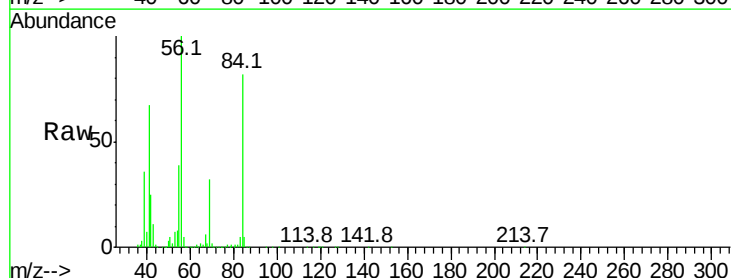
Tgt Ion: 84 Resp: 2137331

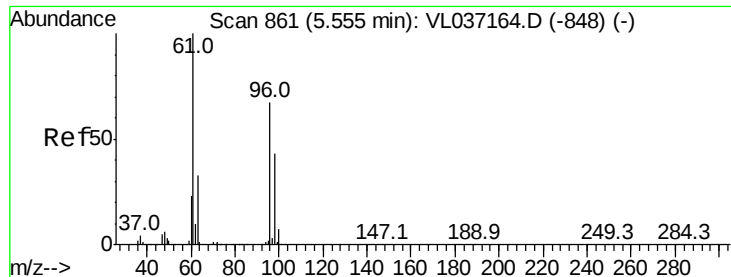
Ion Ratio Lower Upper

84 100

56 130.6 107.7 161.5

41 85.9 69.0 103.6



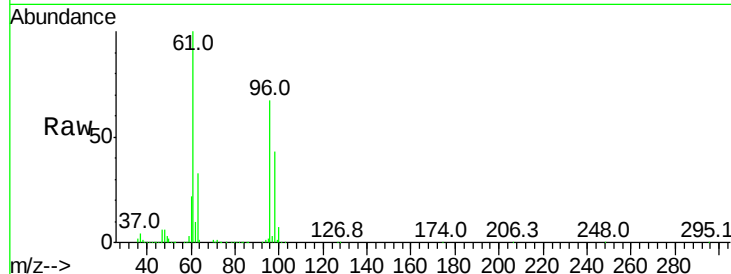


#31

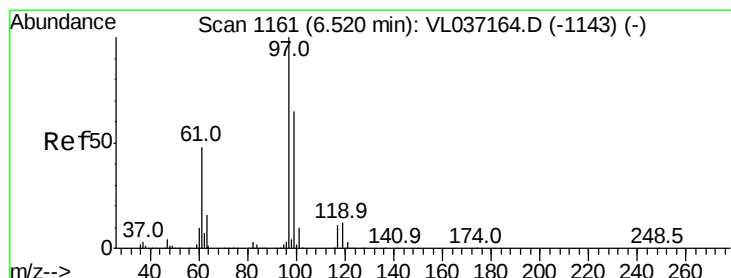
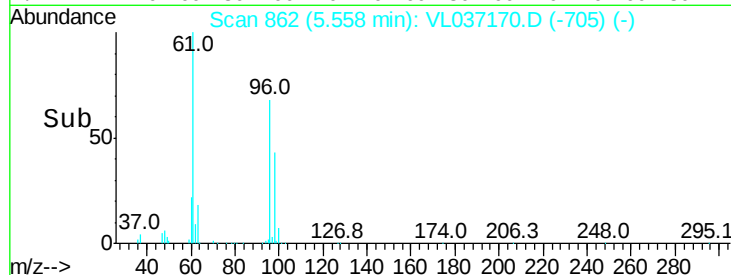
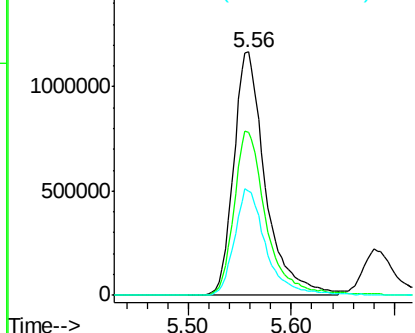
cis-1,2-Dichloroethene
Concen: 14.614 ppbv
RT: 5.56 min Scan# 862
Delta R.T. 0.00 min
Lab File: VL037170.D
Acq: 16 Jun 2021 13:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 61 Resp: 2490543
Ion Ratio Lower Upper
61 100
96 67.1 53.6 80.4
98 42.9 34.7 52.1



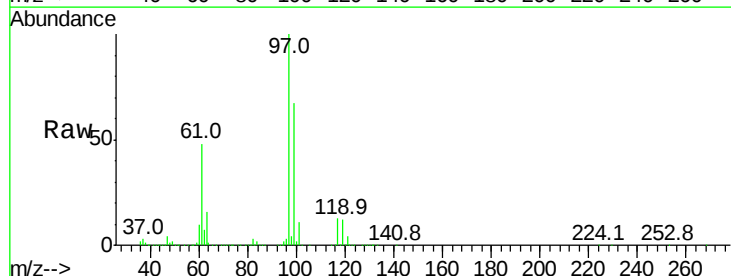
Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



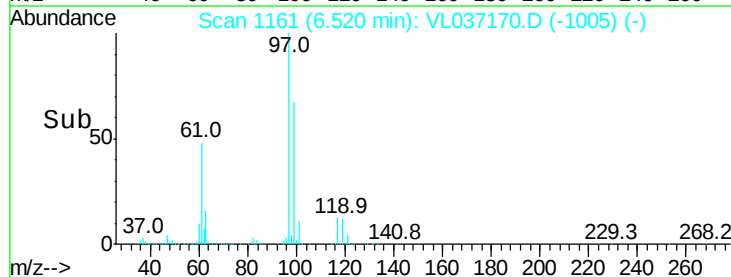
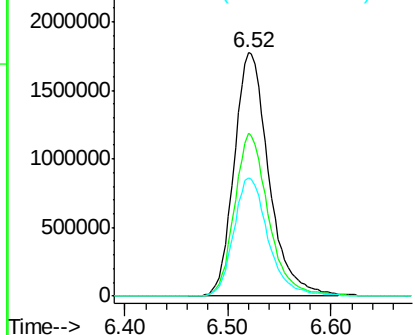
#32

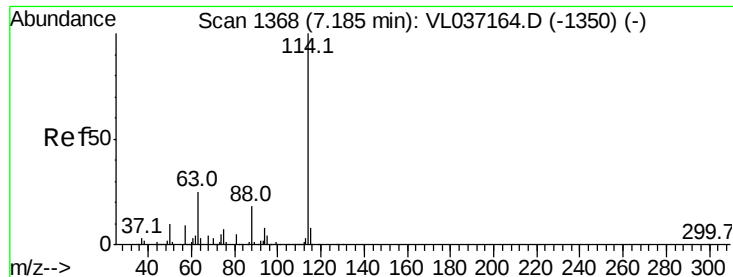
1,1,1-Trichloroethane
Concen: 15.866 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VL037170.D
Acq: 16 Jun 2021 13:14

Tgt Ion: 97 Resp: 4159085
Ion Ratio Lower Upper
97 100
99 65.7 52.2 78.4
61 48.3 38.8 58.2



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. 0.00 min

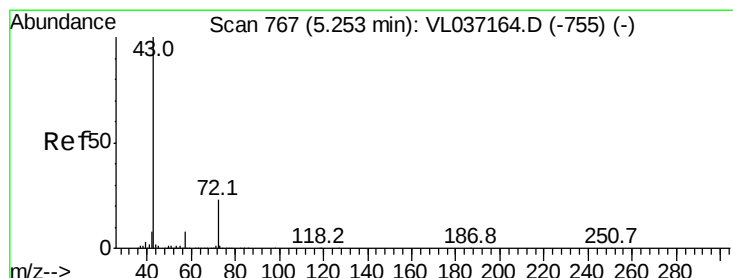
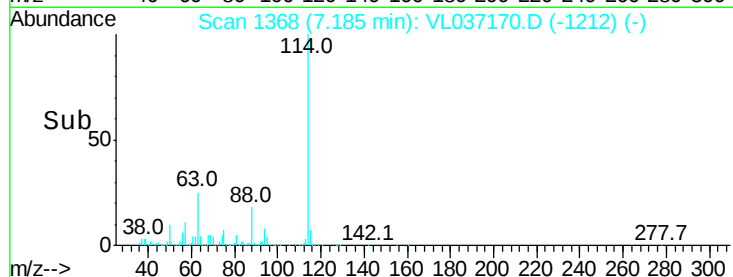
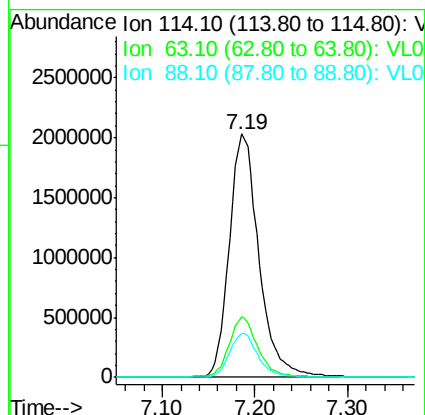
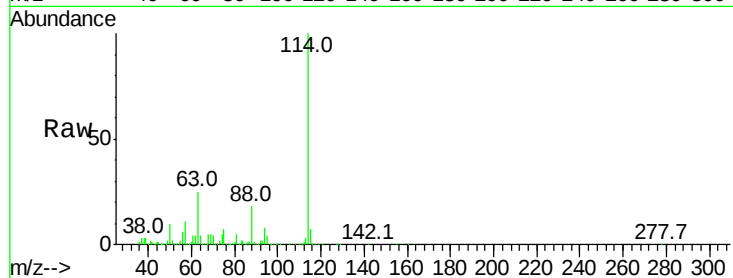
Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:114 Resp: 4512042

Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.6	29.4
88	17.6	14.2	21.2



#34

2-Butanone

Concen: 14.278 ppbv

RT: 5.25 min Scan# 767

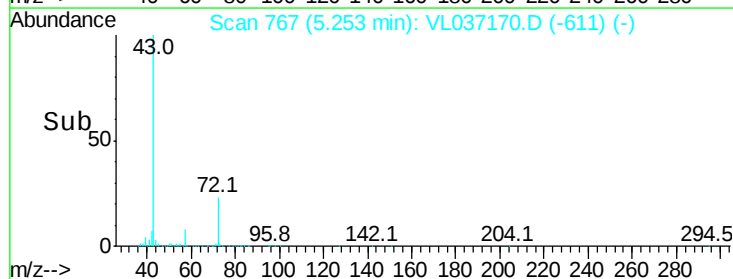
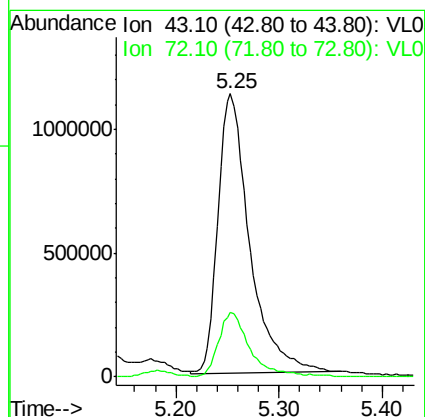
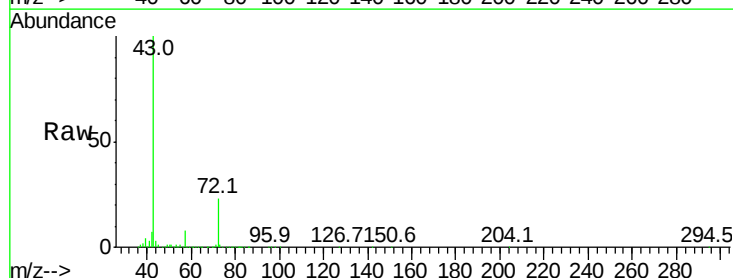
Delta R.T. 0.00 min

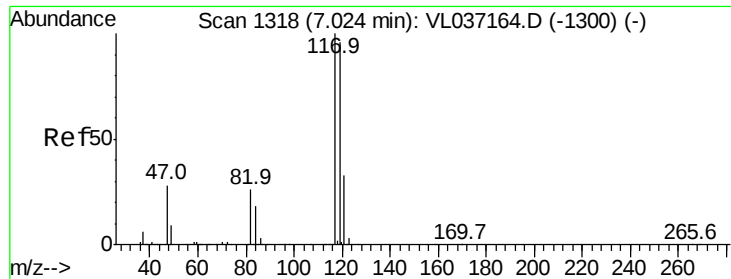
Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Tgt Ion: 43 Resp: 2419428

Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.9	28.3





#35

Carbon Tetrachloride

Concen: 16.174 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

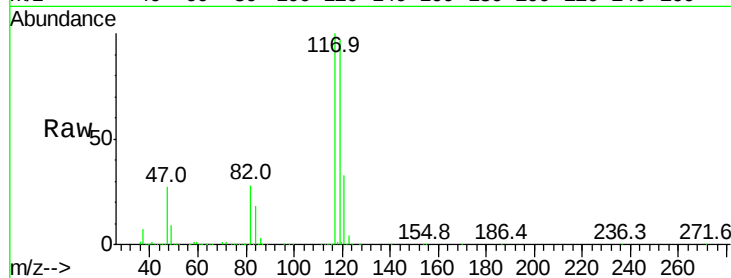
Tgt Ion:117 Resp: 4486136

Ion Ratio Lower Upper

117 100

119 97.0 76.6 114.8

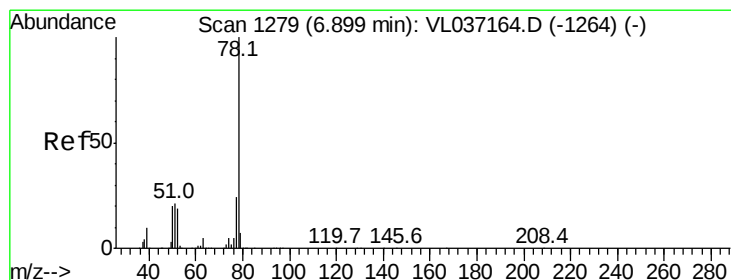
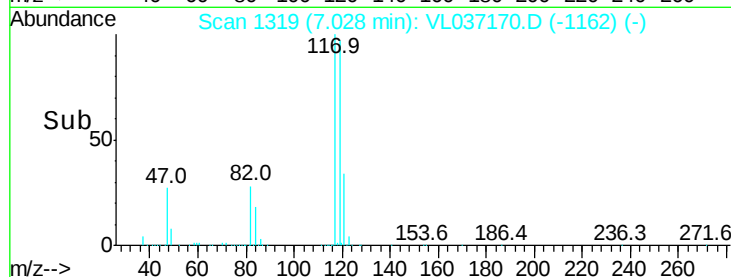
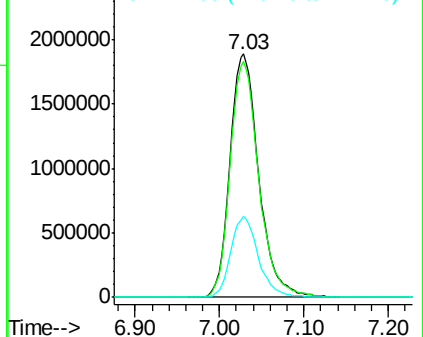
121 33.2 26.4 39.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 14.064 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

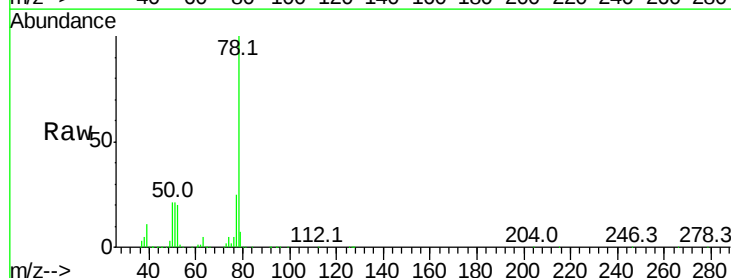
Tgt Ion: 78 Resp: 5035235

Ion Ratio Lower Upper

78 100

77 24.7 19.0 28.6

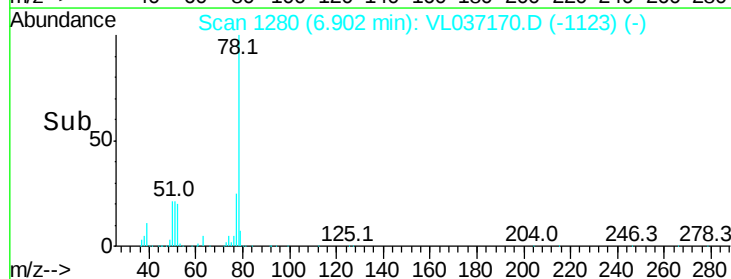
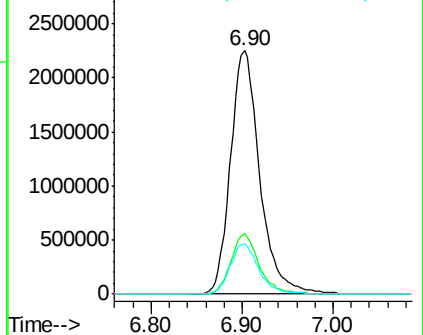
50 20.8 15.7 23.5

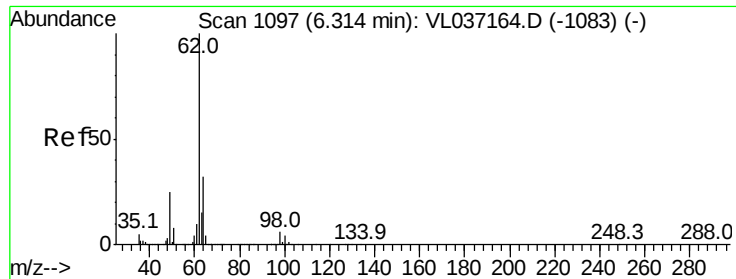


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

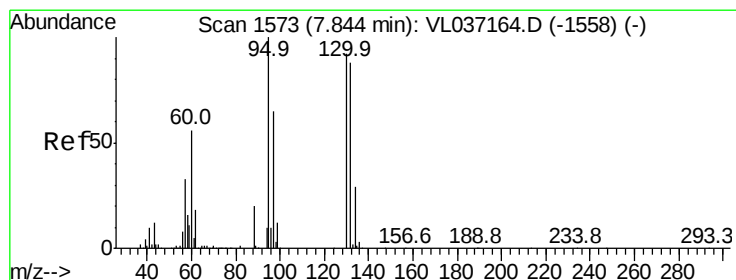
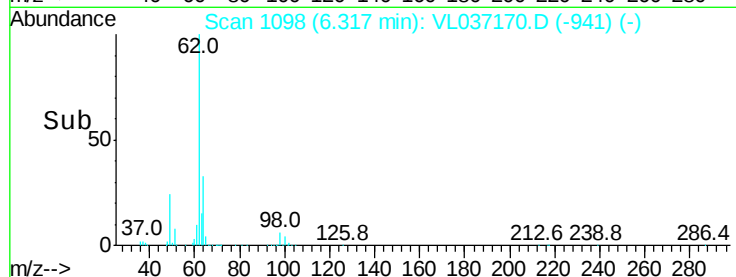
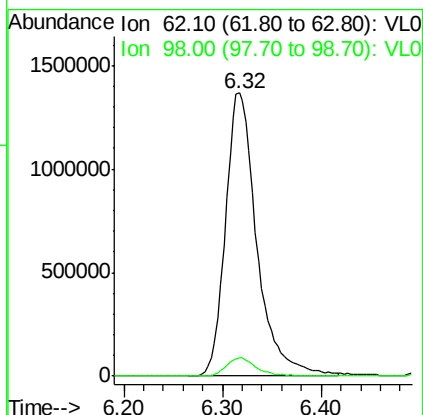
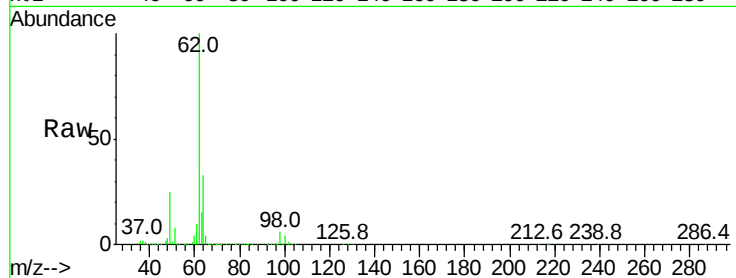




#37
 1,2-Dichloroethane
 Concen: 14.646 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. 0.00 min
 Lab File: VL037170.D
 Acq: 16 Jun 2021 13:14

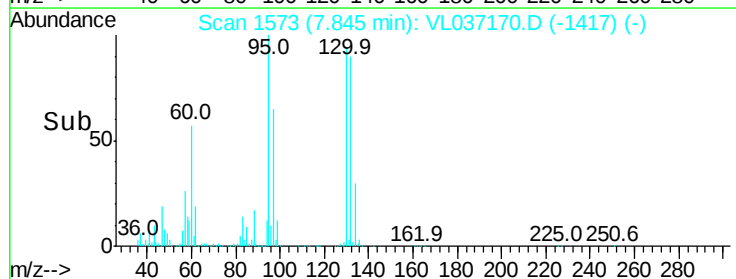
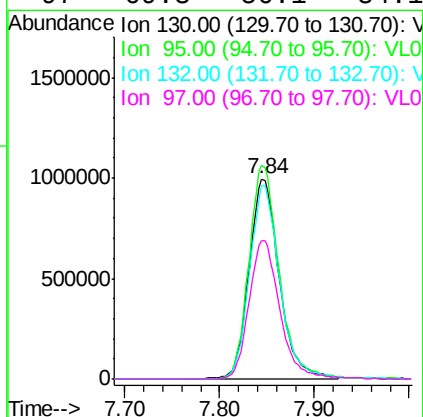
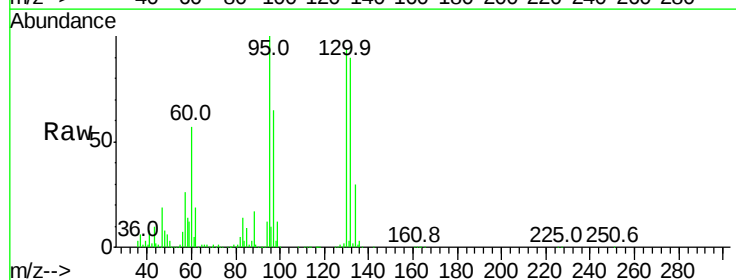
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

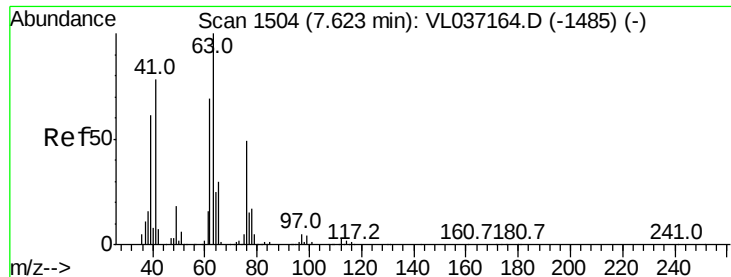
Tgt Ion: 62 Resp: 3044960
 Ion Ratio Lower Upper
 62 100
 98 6.3 5.0 7.6



#38
 Trichloroethene
 Concen: 14.259 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VL037170.D
 Acq: 16 Jun 2021 13:14

Tgt Ion: 130 Resp: 2206122
 Ion Ratio Lower Upper
 130 100
 95 106.9 86.6 129.8
 132 96.6 76.6 114.8
 97 69.3 56.1 84.1





#39

1,2-Dichloropropane

Concen: 14.201 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

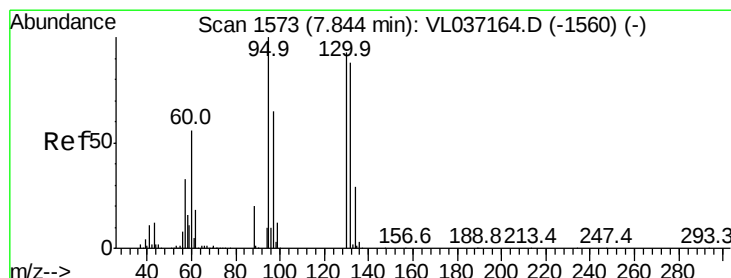
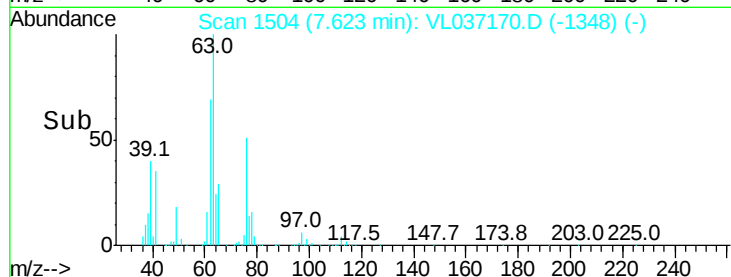
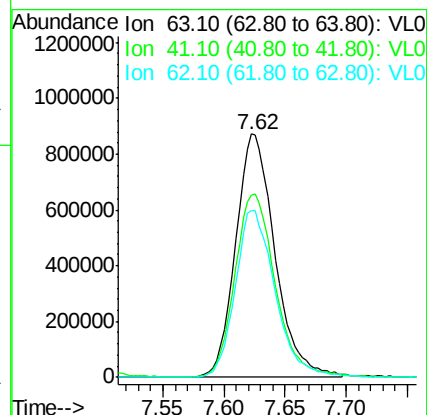
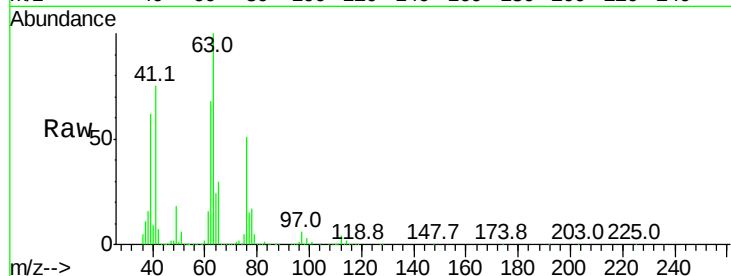
Tgt Ion: 63 Resp: 1941176

Ion Ratio Lower Upper

63 100

41 74.6 62.0 93.0

62 68.5 54.9 82.3



#40

1,4-Dioxane

Concen: 6.062 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Tgt Ion: 88 Resp: 232030

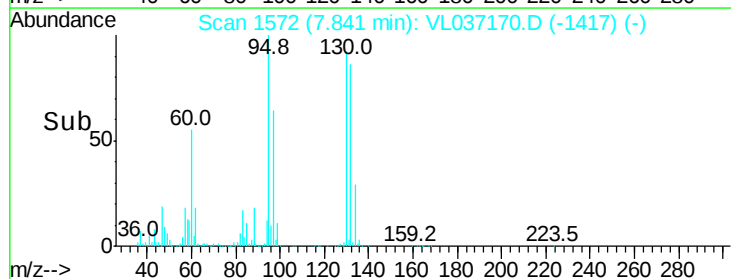
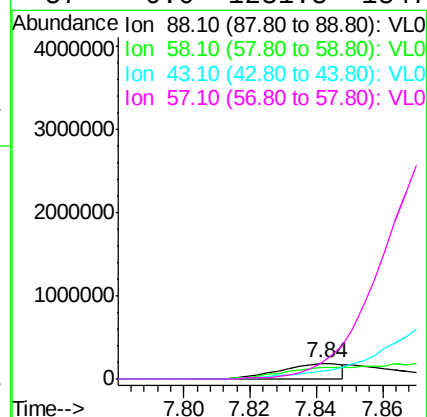
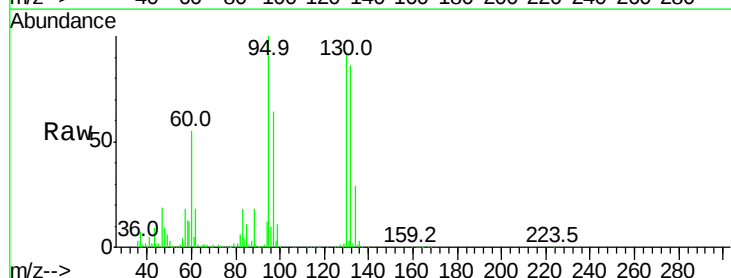
Ion Ratio Lower Upper

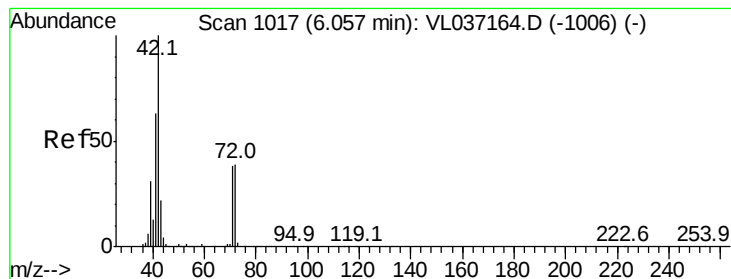
88 100

58 0.0 118.4 177.6#

43 0.0 284.0 426.0#

57 0.0 1231.8 1847.6#





#41

Tetrahydrofuran

Concen: 14.770 ppbv

RT: 6.06 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

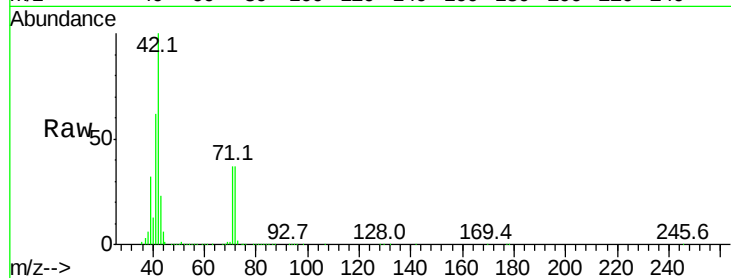
MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 42 Resp: 1218076

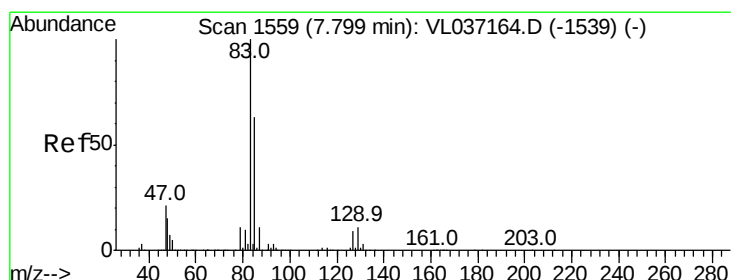
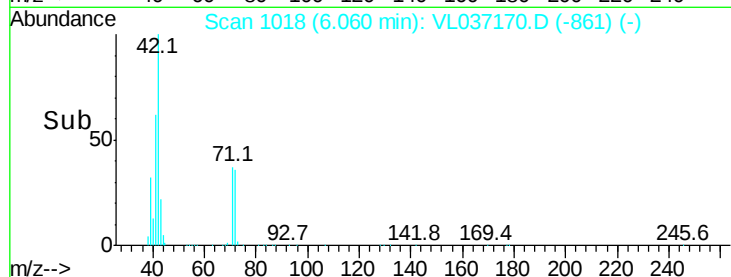
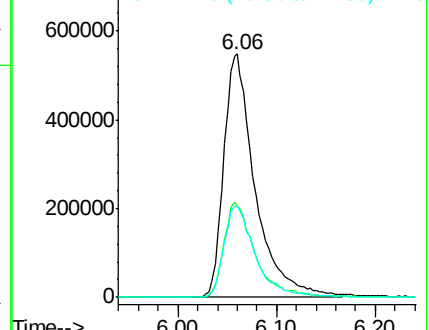
Ion	Ratio	Lower	Upper
42	100		
72	39.2	33.0	49.4
71	38.4	31.0	46.6



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: 14.753 ppbv

RT: 7.80 min Scan# 1560

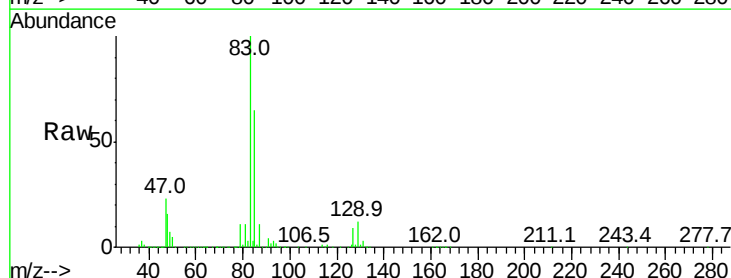
Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Tgt Ion: 83 Resp: 4225854

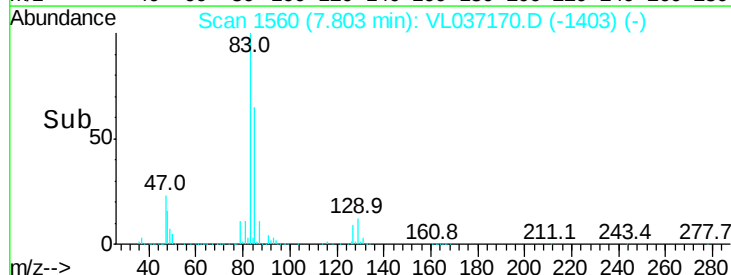
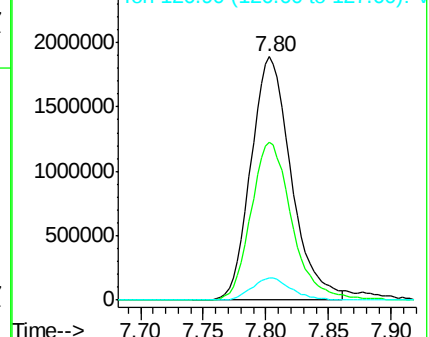
Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.8	76.2
127	9.4	7.0	10.6

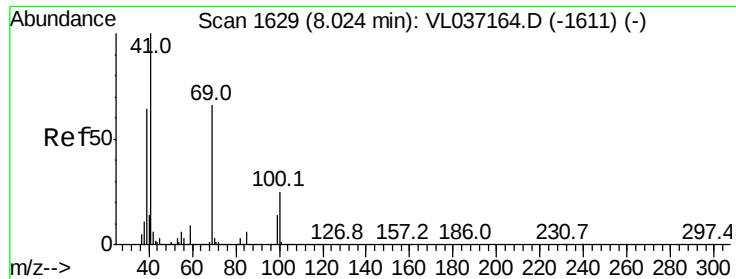


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

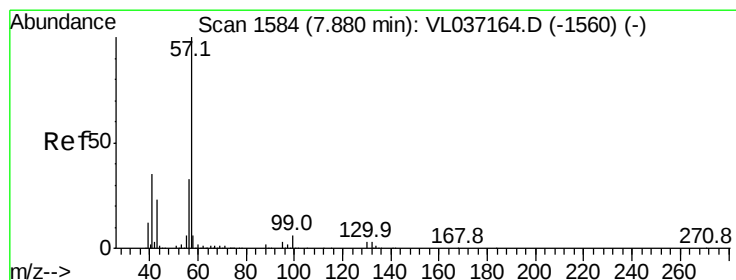
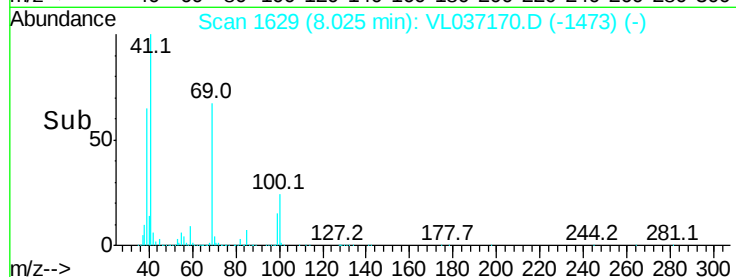
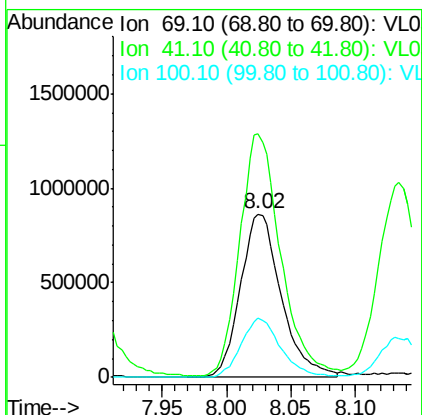
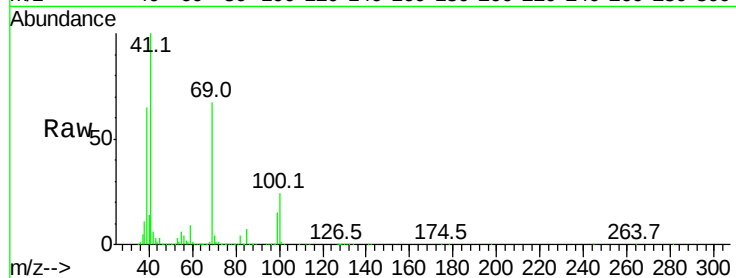




#43
Methyl Methacrylate
Concen: 15.471 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VL037170.D
Acq: 16 Jun 2021 13:14

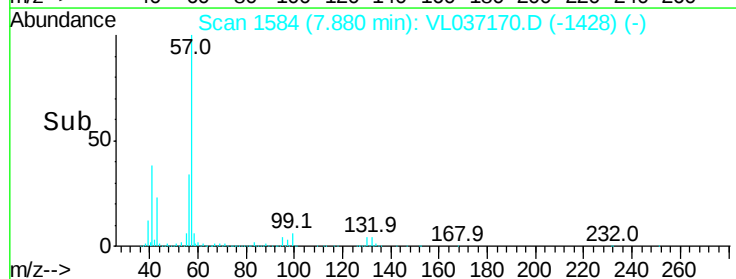
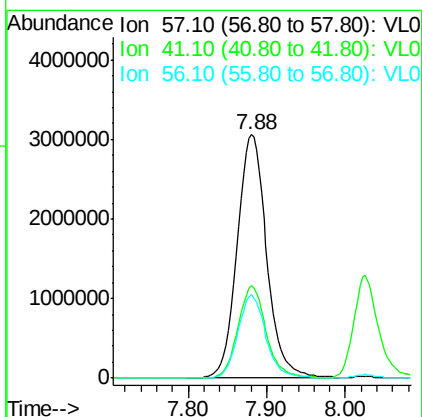
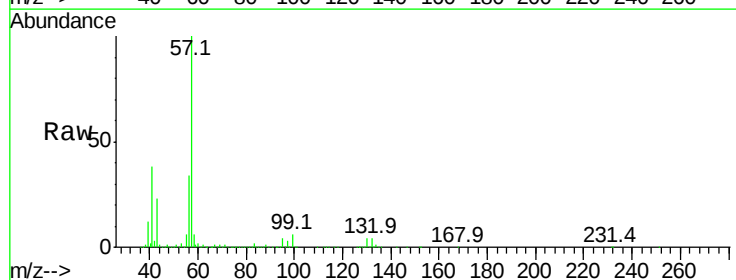
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

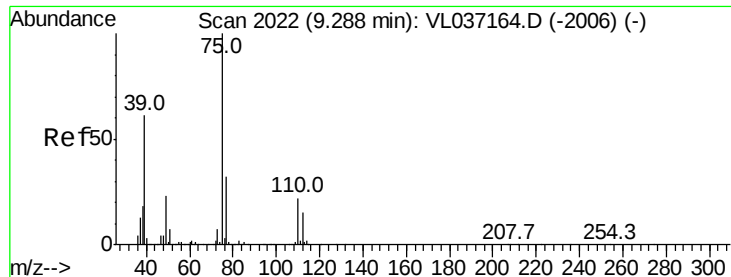
Tgt Ion: 69 Resp: 1900309
Ion Ratio Lower Upper
69 100
41 151.2 119.4 179.0
100 35.5 28.6 43.0



#44
2,2,4-Trimethylpentane
Concen: 13.461 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VL037170.D
Acq: 16 Jun 2021 13:14

Tgt Ion: 57 Resp: 8066716
Ion Ratio Lower Upper
57 100
41 36.2 27.6 41.4
56 32.3 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 18.558 ppbv

RT: 9.29 min Scan# 2023

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

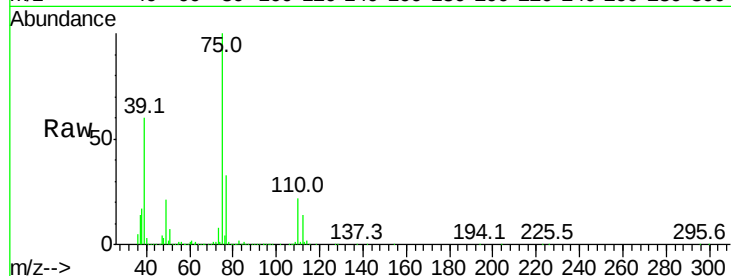
VSTDIC015

Tgt Ion: 75 Resp: 2054134

Ion Ratio Lower Upper

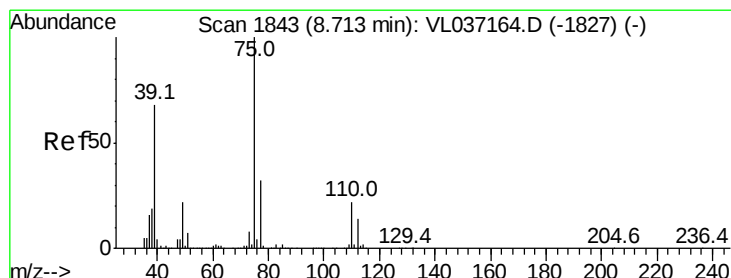
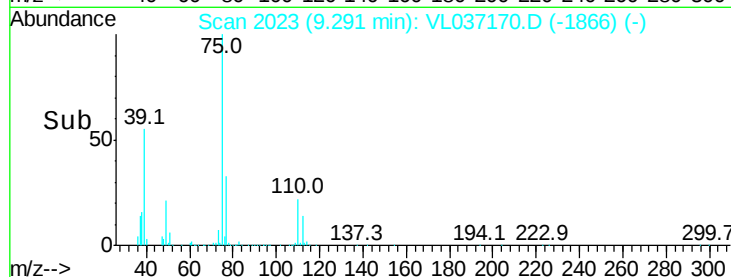
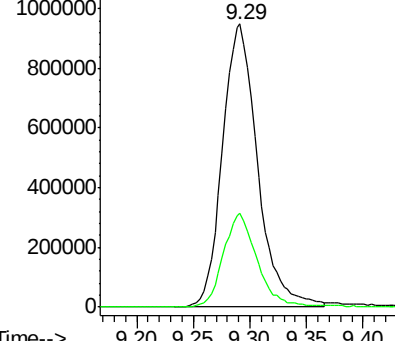
75 100

77 33.0 25.6 38.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 17.133 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

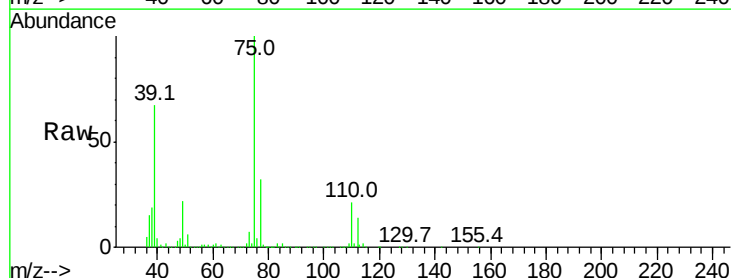
Tgt Ion: 75 Resp: 2530302

Ion Ratio Lower Upper

75 100

39 66.4 54.7 82.1

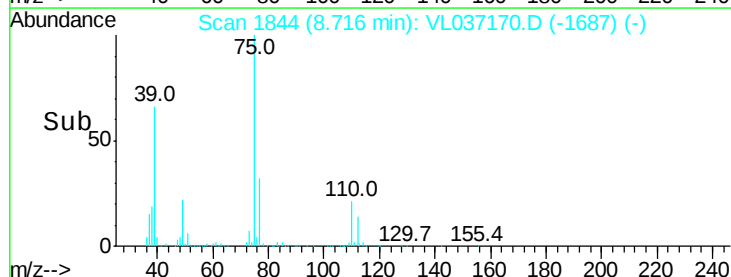
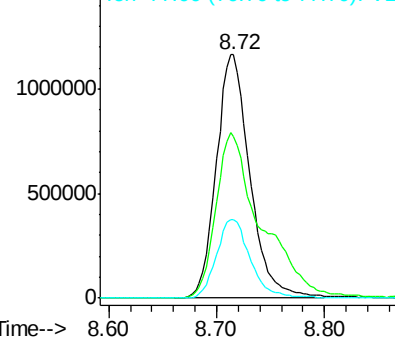
77 32.2 25.8 38.8

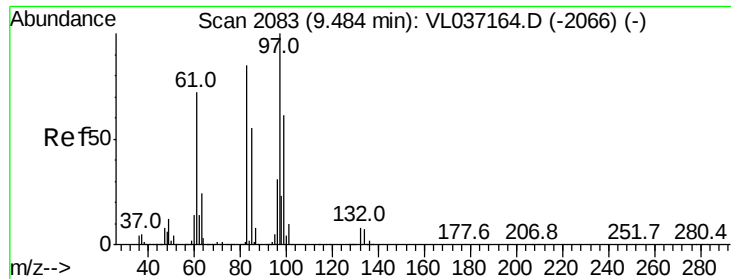


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

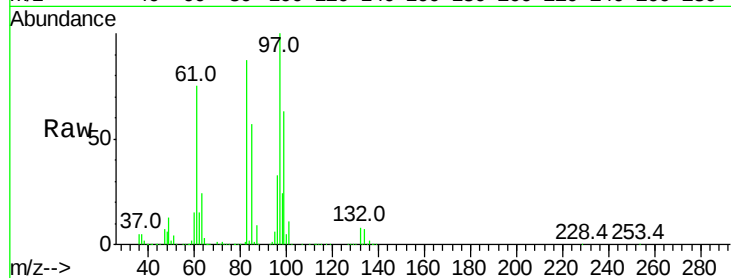




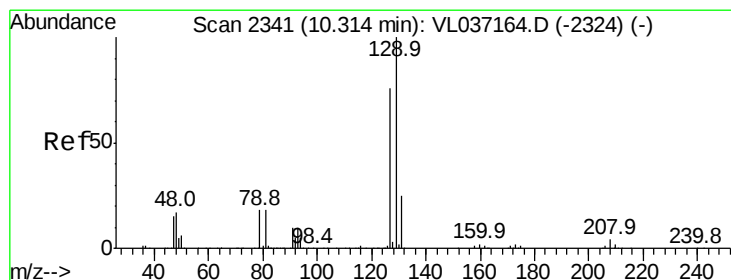
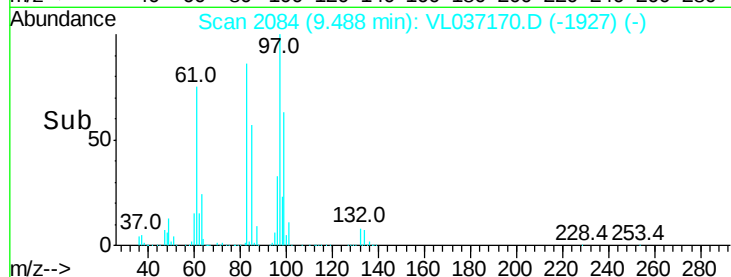
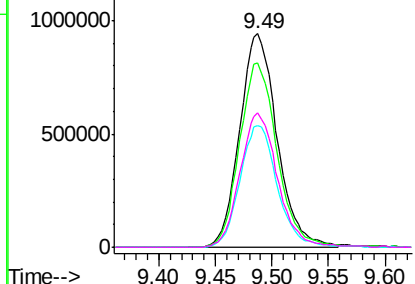
#47
 1,1,2-Trichloroethane
 Concen: 13.990 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. 0.00 min
 Lab File: VL037170.D
 Acq: 16 Jun 2021 13:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 97 Resp: 2169104
 Ion Ratio Lower Upper
 97 100
 83 86.5 68.3 102.5
 85 57.1 44.1 66.1
 99 63.2 48.6 72.8

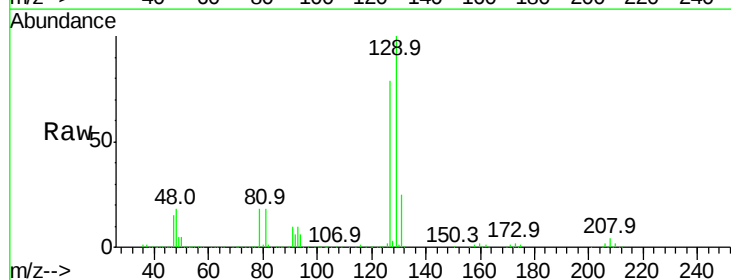


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

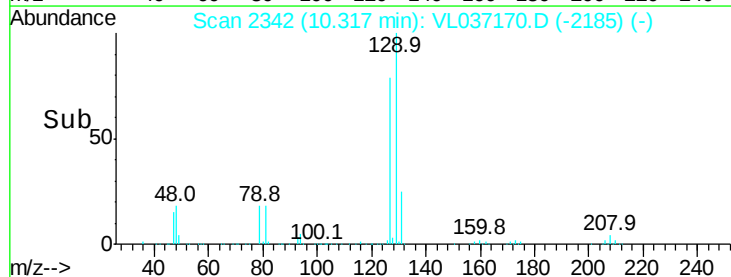
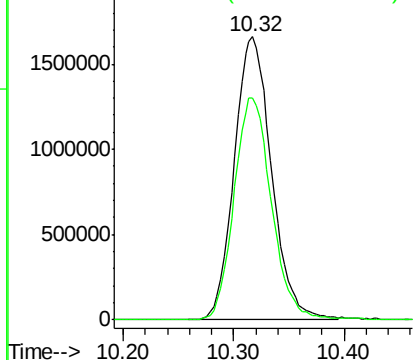


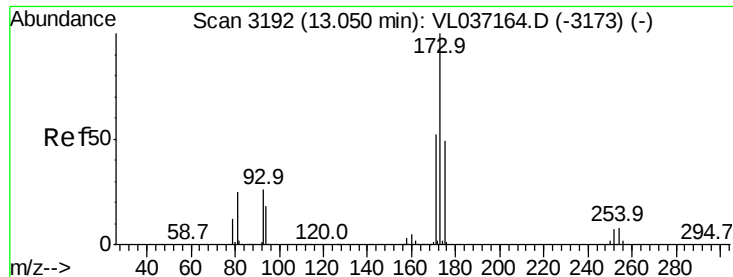
#48
 Dibromochloromethane
 Concen: 15.538 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VL037170.D
 Acq: 16 Jun 2021 13:14

Tgt Ion: 129 Resp: 3886553
 Ion Ratio Lower Upper
 129 100
 127 79.1 39.1 117.2



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 15.792 ppbv

RT: 13.05 min Scan# 3193

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

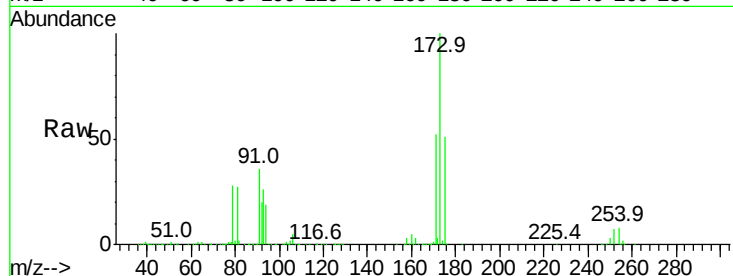
Tgt Ion:173 Resp: 3085640

Ion Ratio Lower Upper

173 100

175 50.7 40.2 60.4

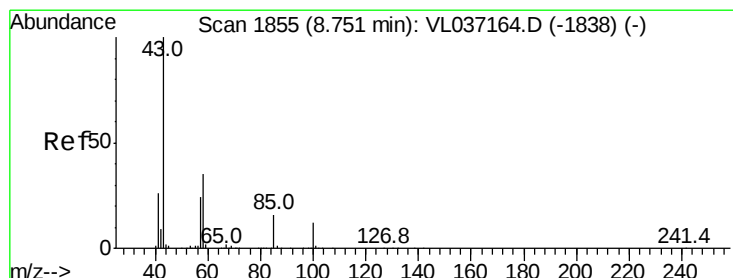
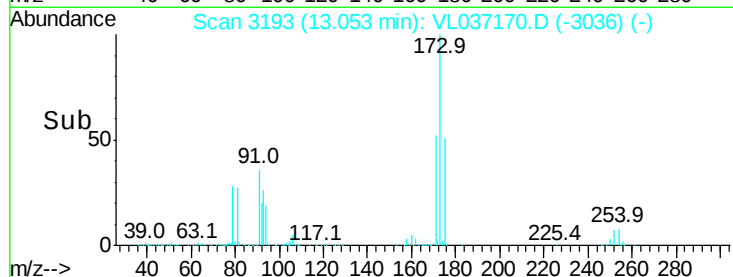
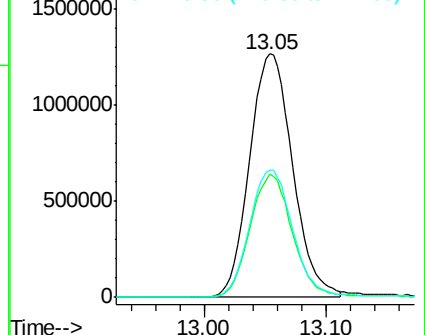
171 53.8 41.8 62.8



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: 14.352 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VL037170.D

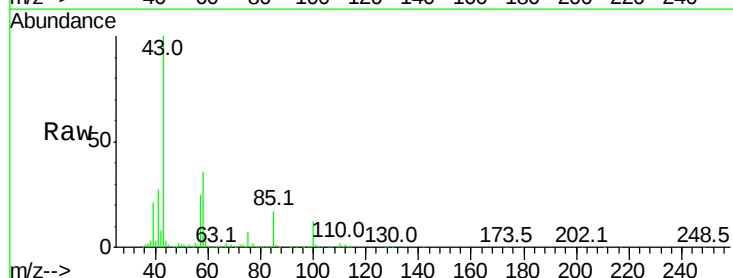
Acq: 16 Jun 2021 13:14

Tgt Ion: 43 Resp: 3577572

Ion Ratio Lower Upper

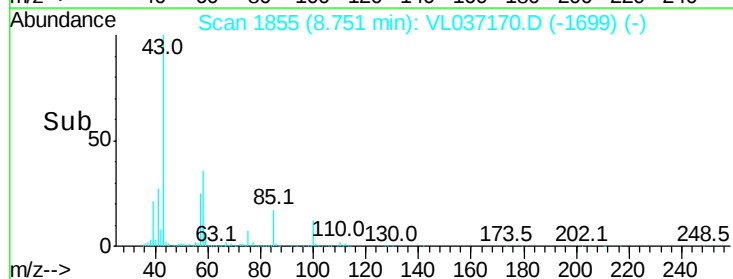
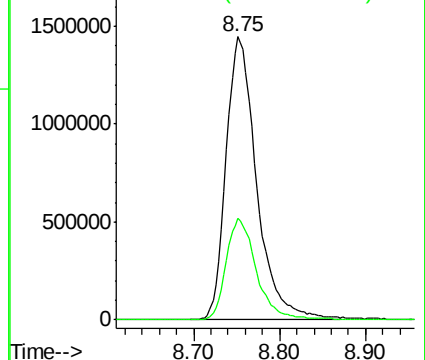
43 100

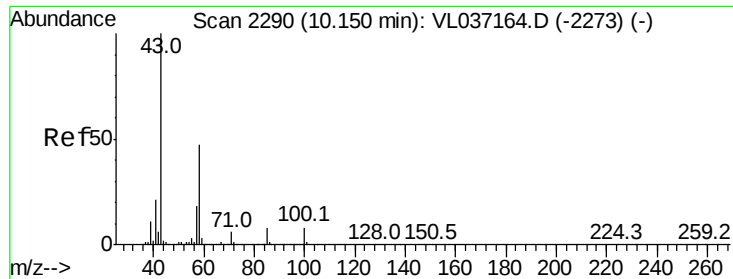
58 35.7 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 14.538 ppbv

RT: 10.15 min Scan# 2289

Delta R.T. -0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

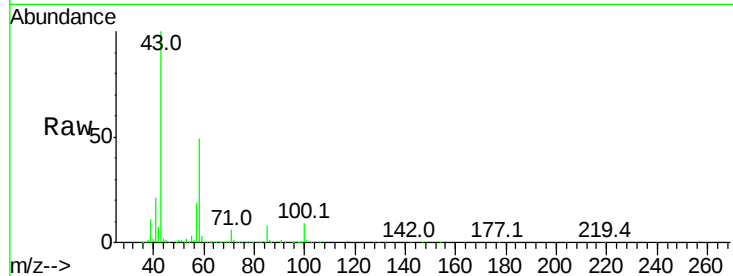
Tgt Ion: 43 Resp: 1808862

Ion Ratio Lower Upper

43 100

58 48.5 38.4 57.6

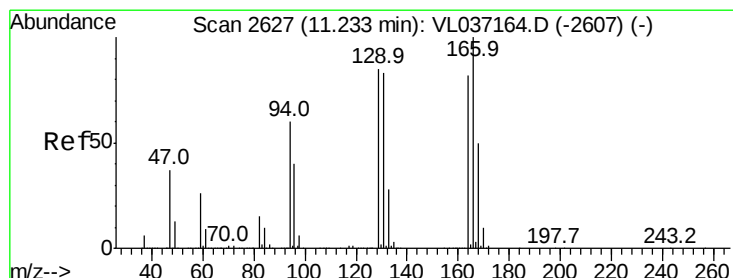
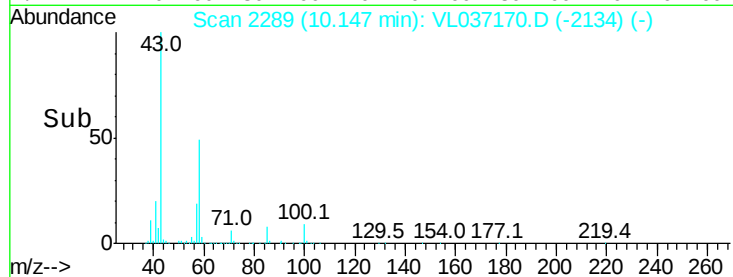
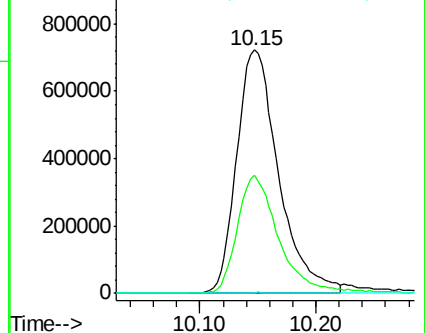
98 0.2 0.3 0.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 14.197 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Tgt Ion: 164 Resp: 2102171

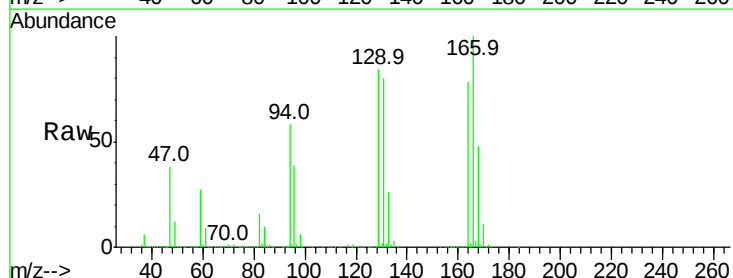
Ion Ratio Lower Upper

164 100

166 128.3 97.6 146.4

129 107.9 82.9 124.3

131 102.1 80.6 120.8

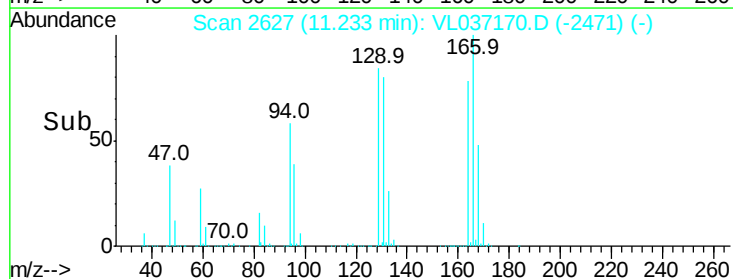
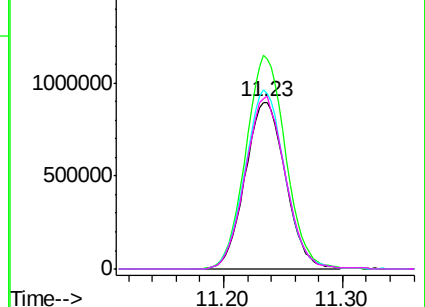


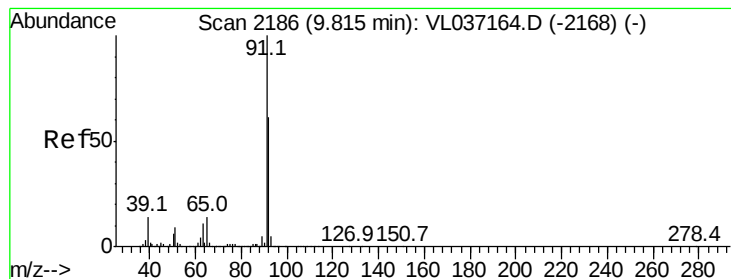
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 14.147 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

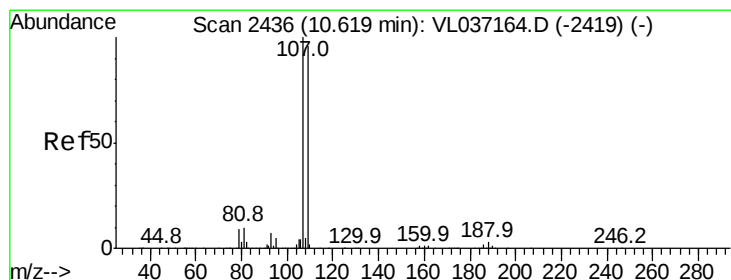
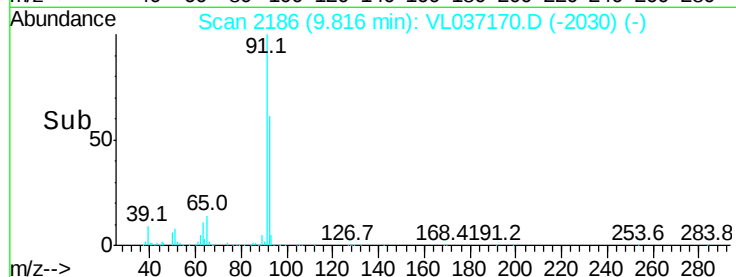
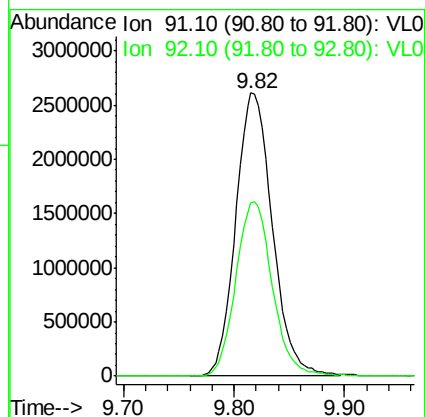
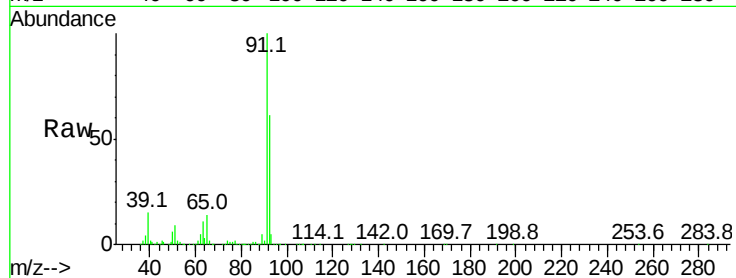
VSTDIC015

Tgt Ion: 91 Resp: 6020499

Ion Ratio Lower Upper

91 100

92 61.7 48.3 72.5



#54

1,2-Dibromoethane

Concen: 14.370 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VL037170.D

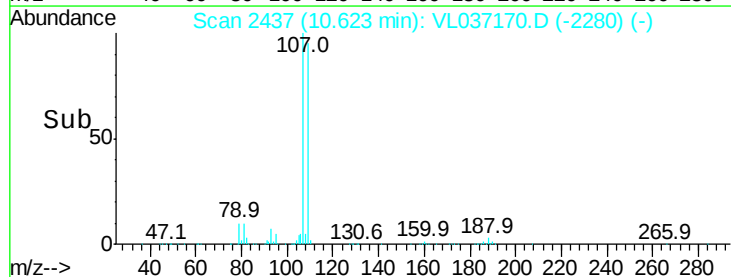
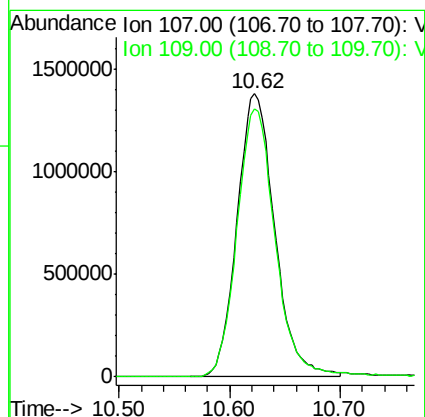
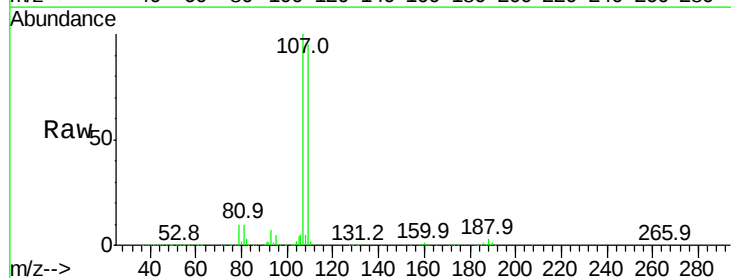
Acq: 16 Jun 2021 13:14

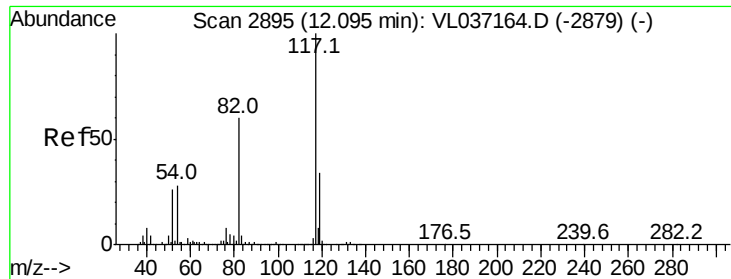
Tgt Ion: 107 Resp: 3262303

Ion Ratio Lower Upper

107 100

109 94.8 77.0 115.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

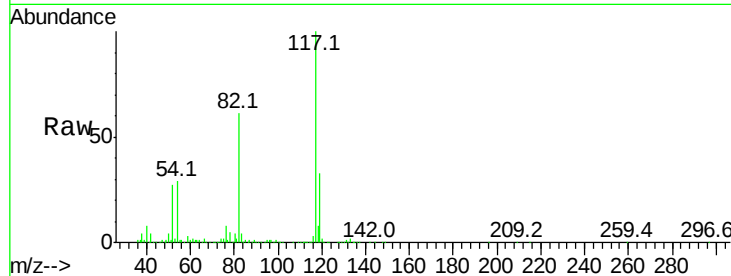
Tgt Ion:117 Resp: 5771602

Ion Ratio Lower Upper

117 100

82 47.3 51.7 77.5#

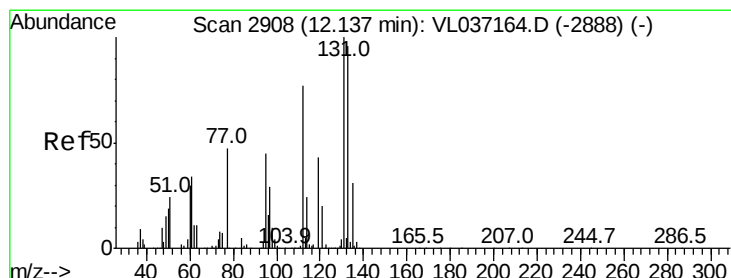
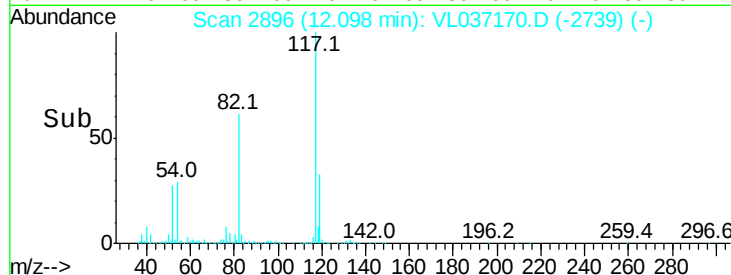
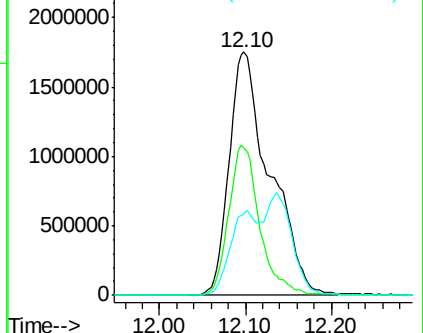
119 52.1 47.6 71.4



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 10.282 ppbv

RT: 12.14 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

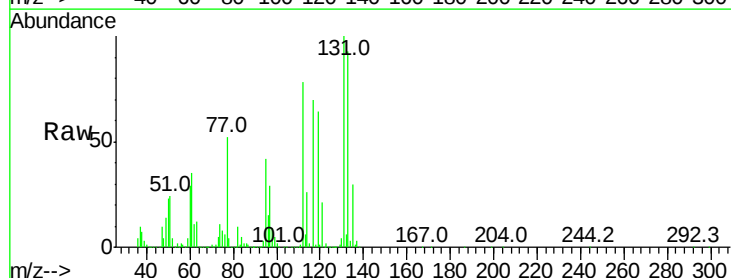
Tgt Ion:131 Resp: 2588133

Ion Ratio Lower Upper

131 100

133 95.8 76.5 114.7

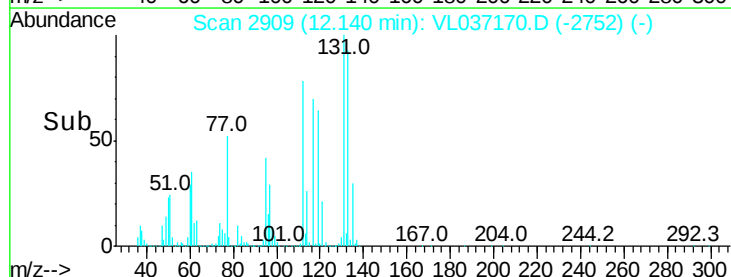
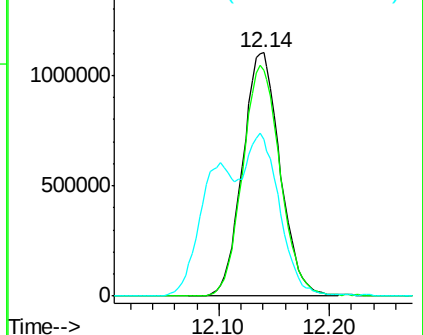
119 69.9 48.6 72.8

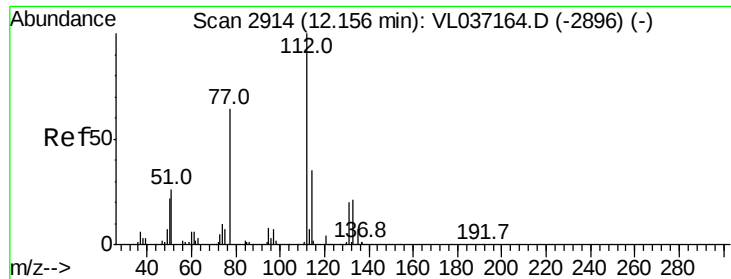


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

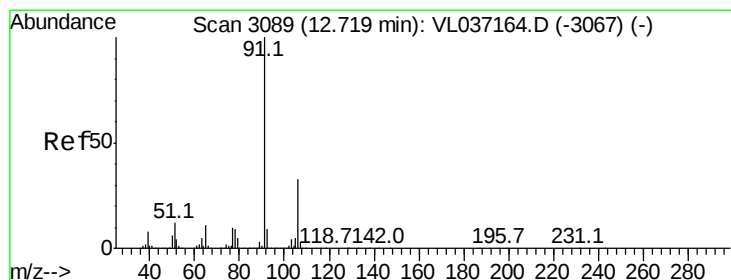
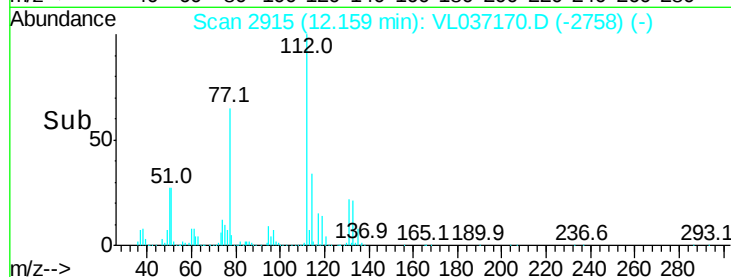
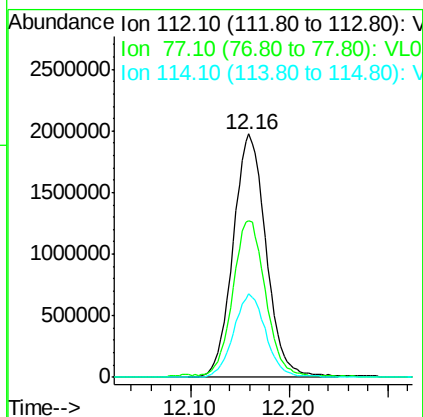
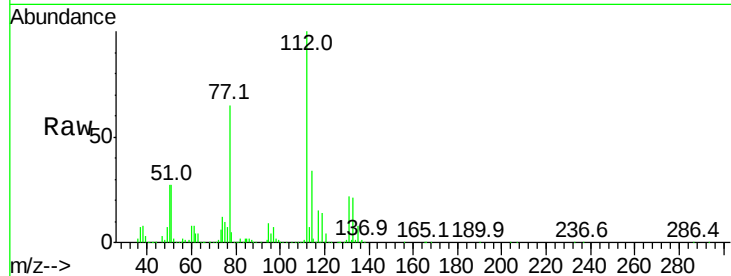




#57
Chlorobenzene
Concen: 9.943 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VL037170.D
Acq: 16 Jun 2021 13:14

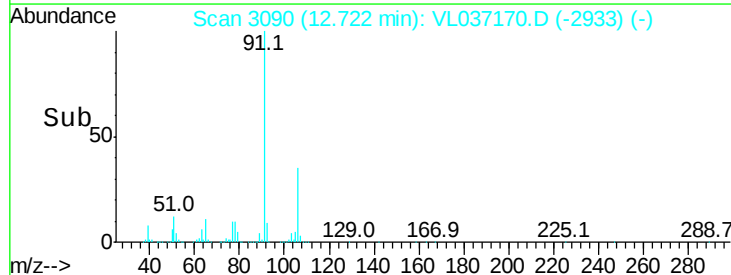
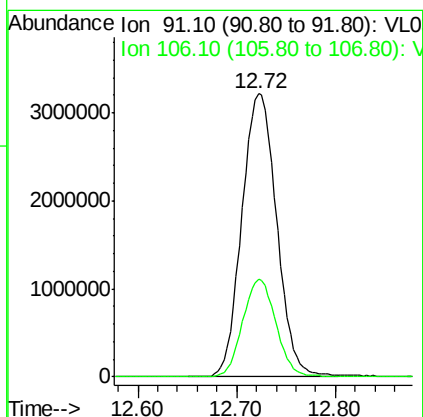
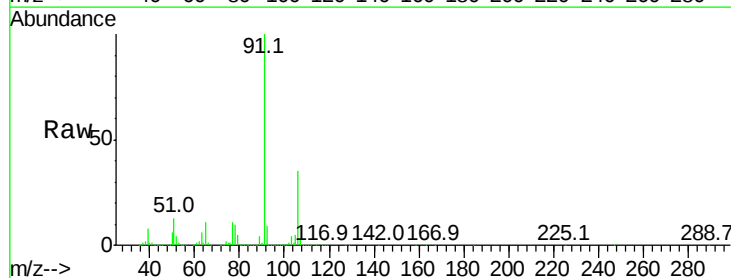
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

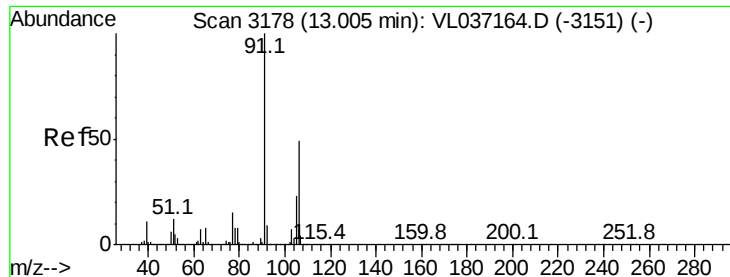
Tgt Ion:112 Resp: 4598330
Ion Ratio Lower Upper
112 100
77 64.1 52.2 78.4
114 34.2 31.1 38.1



#58
Ethyl Benzene
Concen: 10.043 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.00 min
Lab File: VL037170.D
Acq: 16 Jun 2021 13:14

Tgt Ion: 91 Resp: 7851762
Ion Ratio Lower Upper
91 100
106 34.6 26.3 39.5

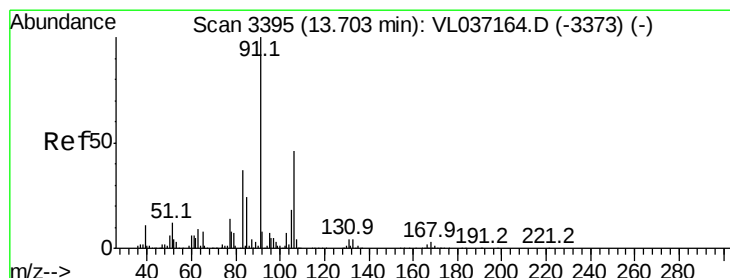
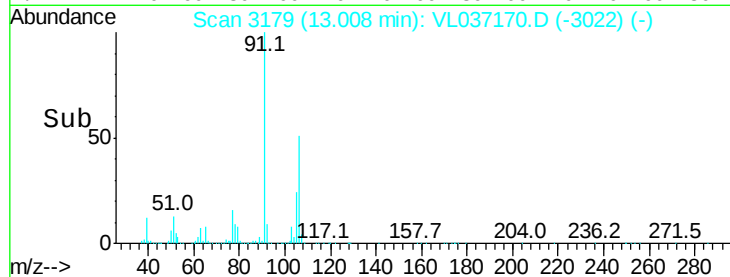
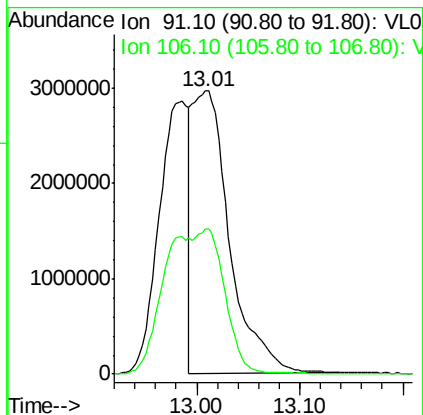
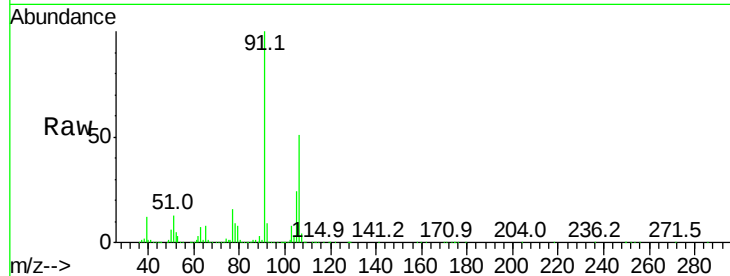




#59
m/p-Xylene
Concen: 11.114 ppbv
RT: 13.01 min Scan# 3179
Delta R.T. 0.00 min
Lab File: VL037170.D
Acq: 16 Jun 2021 13:14

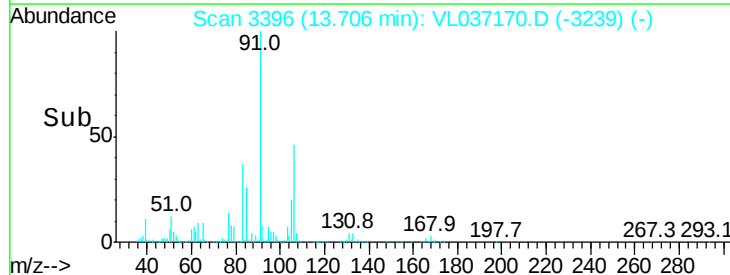
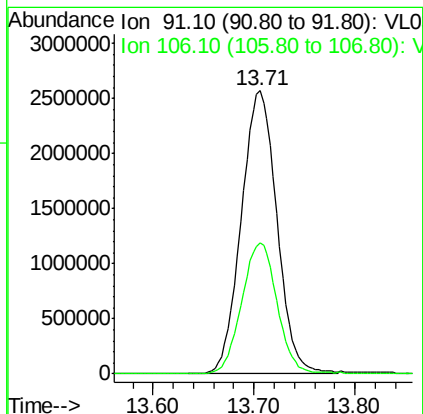
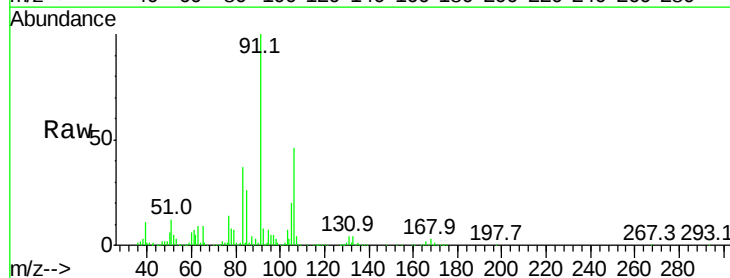
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

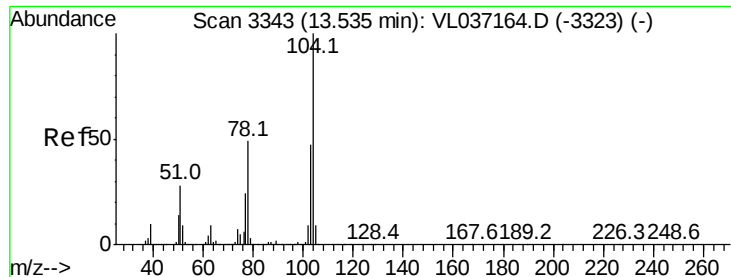
Tgt Ion: 91 Resp: 7383738
Ion Ratio Lower Upper
91 100
106 83.5 37.0 55.4#



#60
o-Xylene
Concen: 9.850 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.00 min
Lab File: VL037170.D
Acq: 16 Jun 2021 13:14

Tgt Ion: 91 Resp: 6283436
Ion Ratio Lower Upper
91 100
106 46.4 23.0 69.0





#61

Styrene

Concen: 11.073 ppbv

RT: 13.54 min Scan# 3345

Delta R.T. 0.01 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

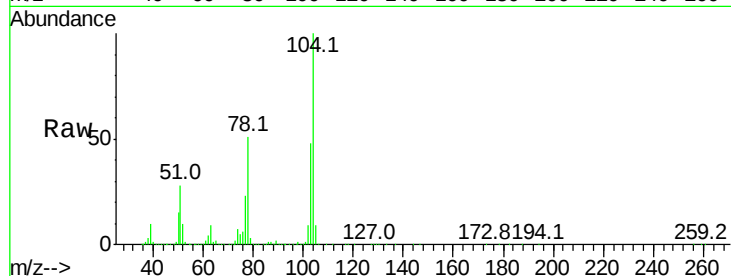
Tgt Ion:104 Resp: 3723704

Ion Ratio Lower Upper

104 100

78 51.5 39.7 59.5

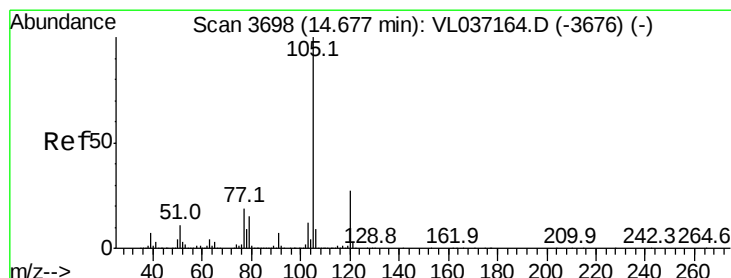
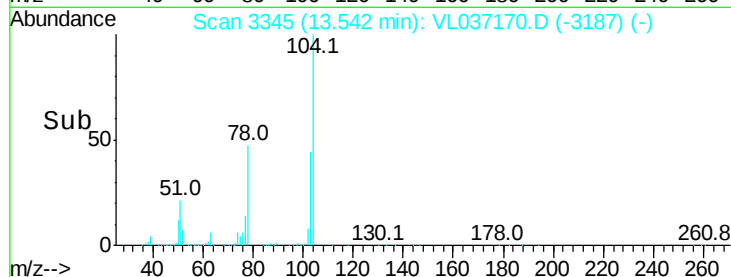
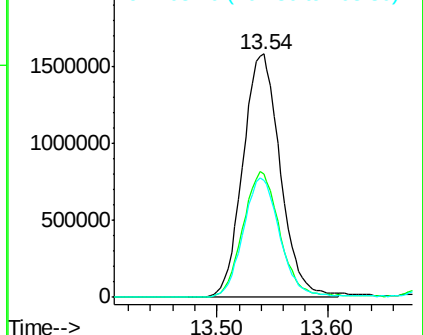
103 48.3 37.6 56.4



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: 9.439 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. 0.00 min

Lab File: VL037170.D

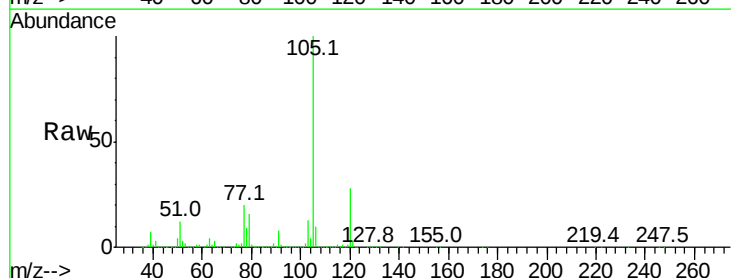
Acq: 16 Jun 2021 13:14

Tgt Ion:105 Resp: 8582452

Ion Ratio Lower Upper

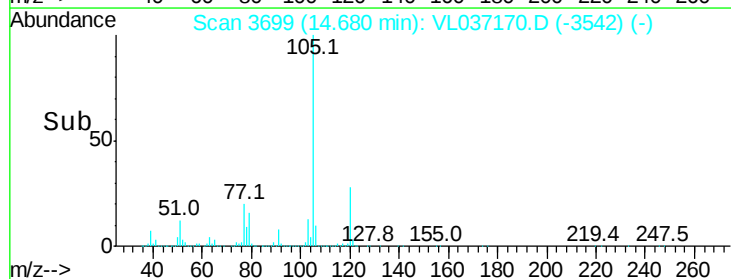
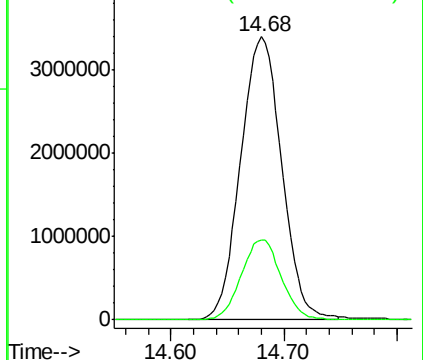
105 100

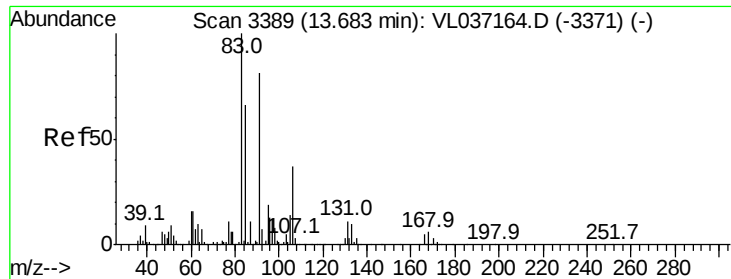
120 27.8 21.6 32.4



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: 9.914 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. 0.01 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

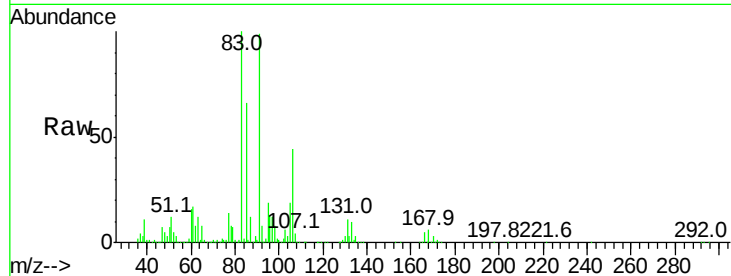
Tgt Ion: 83 Resp: 4111695

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

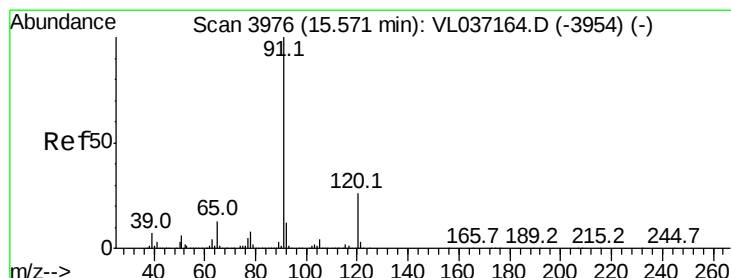
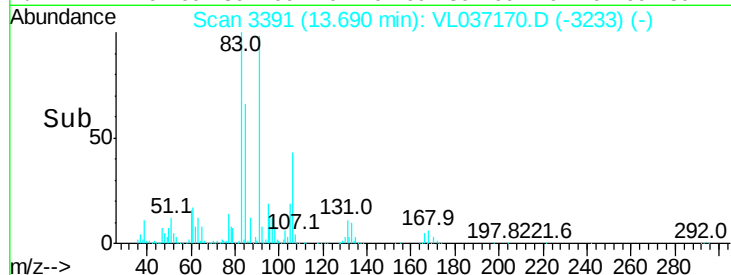
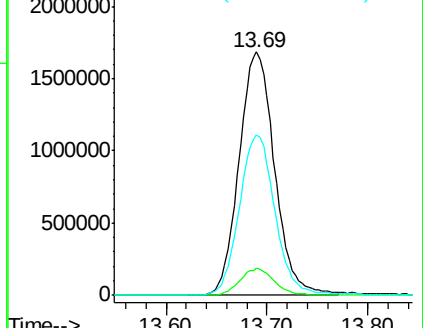
85 66.9 33.1 99.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.305 ppbv

RT: 15.58 min Scan# 3978

Delta R.T. 0.01 min

Lab File: VL037170.D

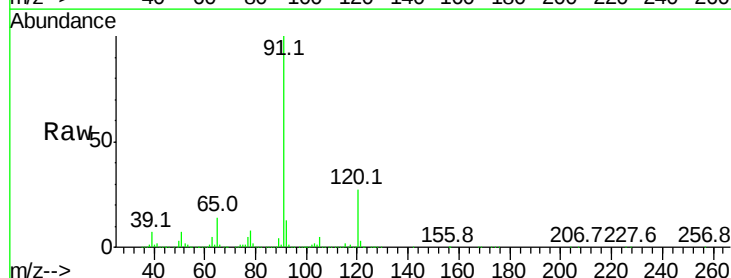
Acq: 16 Jun 2021 13:14

Tgt Ion: 120 Resp: 2389583

Ion Ratio Lower Upper

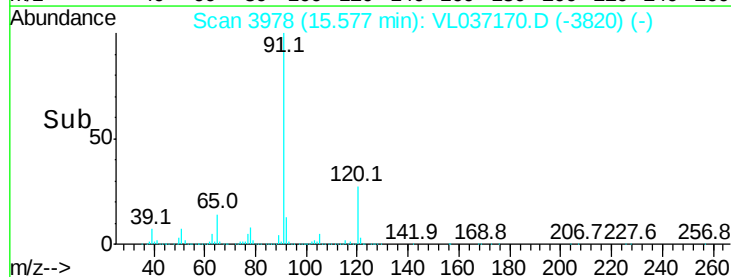
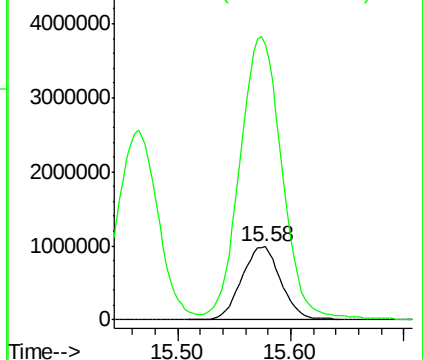
120 100

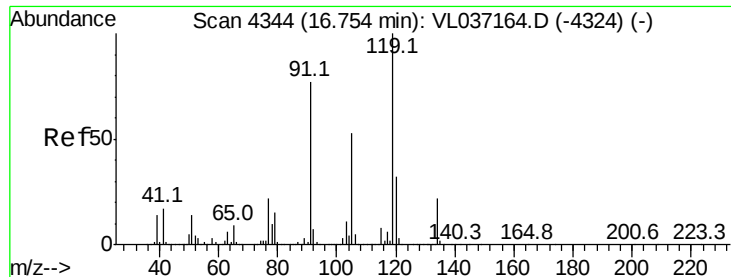
91 416.1 343.3 514.9



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

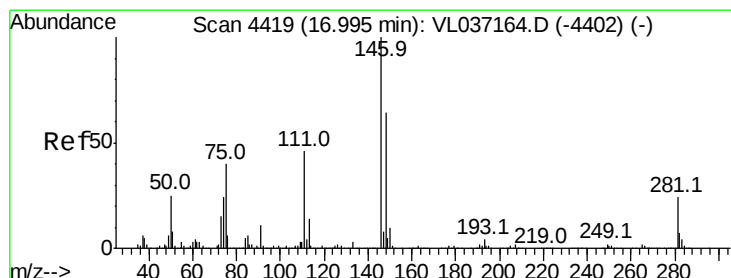
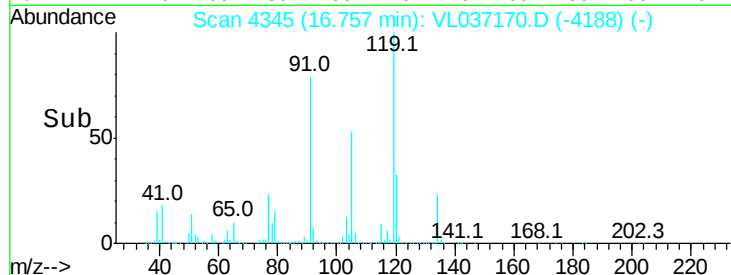
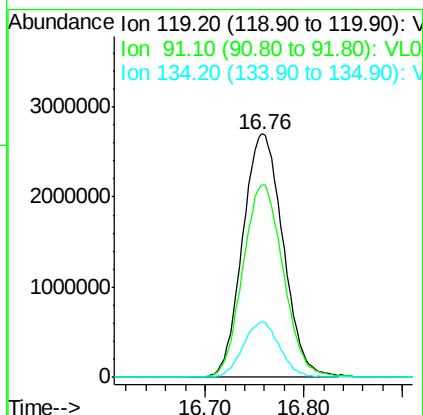
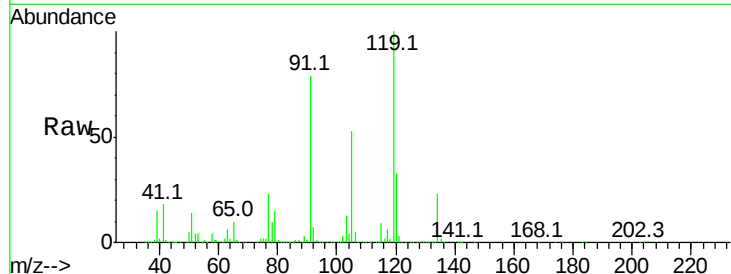




#65
tert-Butylbenzene
Concen: 9.282 ppbv
RT: 16.76 min Scan# 4345
Delta R.T. 0.00 min
Lab File: VL037170.D
Acq: 16 Jun 2021 13:14

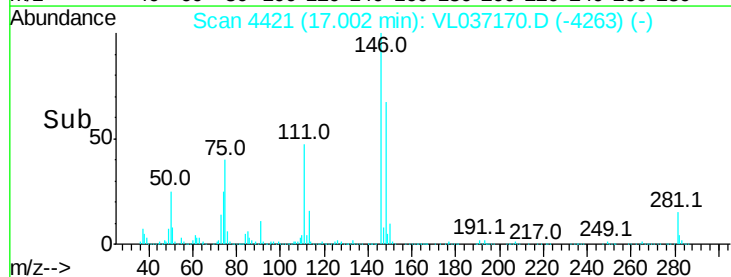
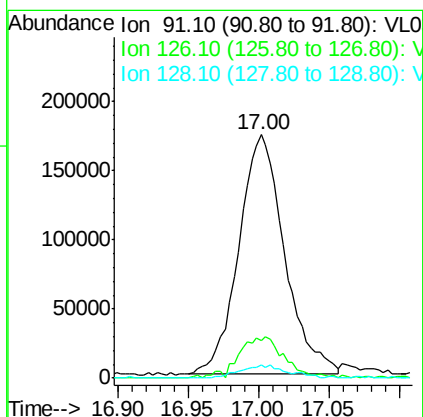
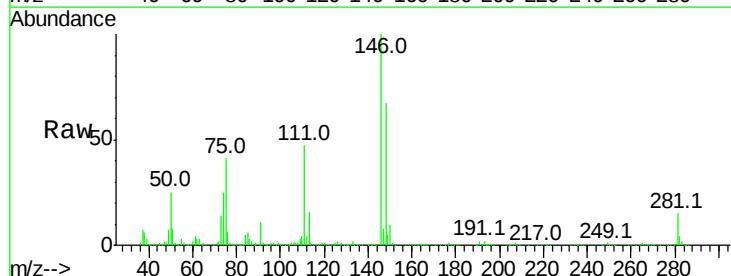
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

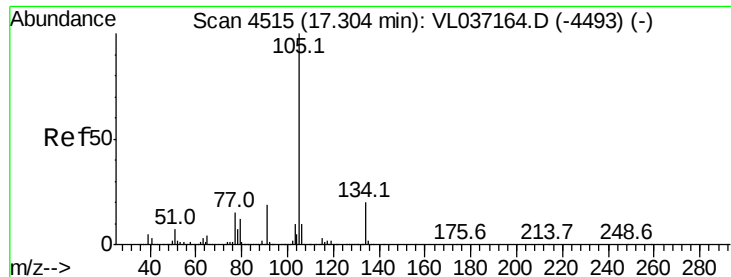
Tgt Ion: 119 Resp: 7648171
Ion Ratio Lower Upper
119 100
91 79.5 62.6 93.8
134 20.8 16.2 24.4



#66
Benzyl Chloride
Concen: 10.841 ppbv
RT: 17.00 min Scan# 4421
Delta R.T. 0.01 min
Lab File: VL037170.D
Acq: 16 Jun 2021 13:14

Tgt Ion: 91 Resp: 389938
Ion Ratio Lower Upper
91 100
126 18.2 15.5 23.3
128 6.2 5.7 8.5





#67

sec-Butylbenzene

Concen: 9.210 ppbv

RT: 17.31 min Scan# 4516

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

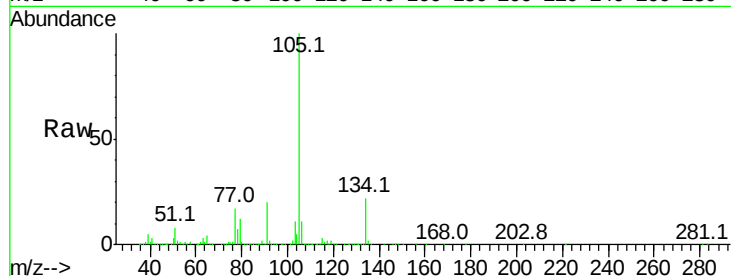
VSTDIC015

Tgt Ion:105 Resp:10082826

Ion Ratio Lower Upper

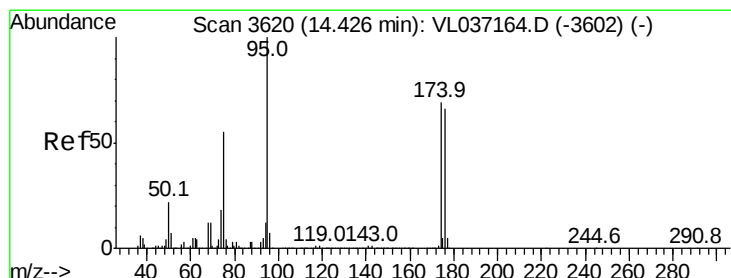
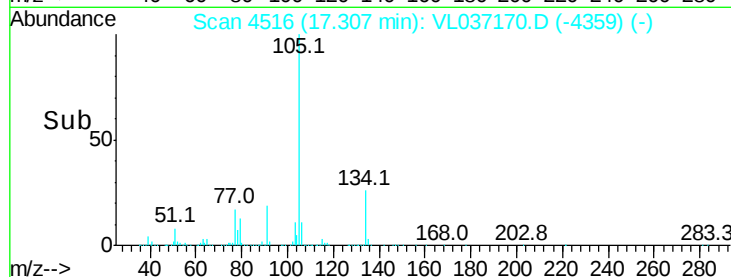
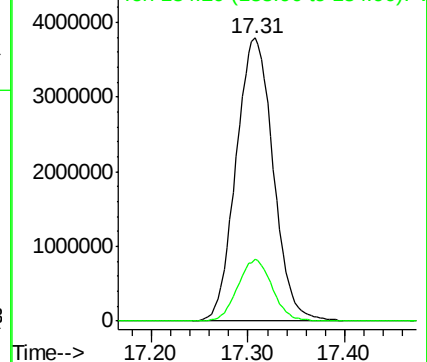
105 100

134 20.5 15.8 23.6



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: 7.767 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

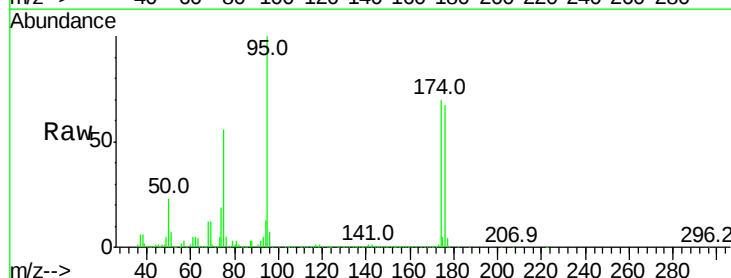
Tgt Ion: 95 Resp: 3301910

Ion Ratio Lower Upper

95 100

174 71.2 57.0 85.4

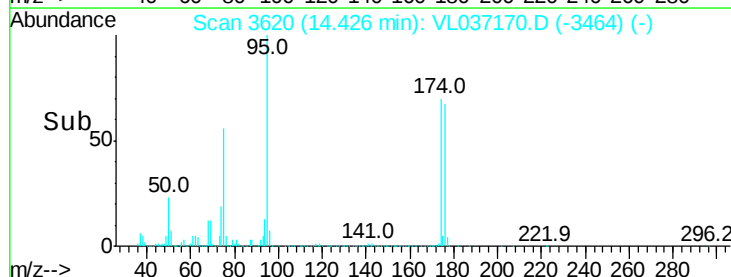
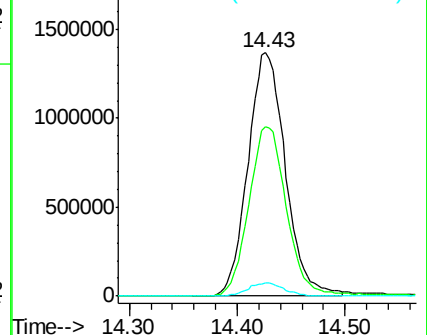
175 5.4 4.4 6.6

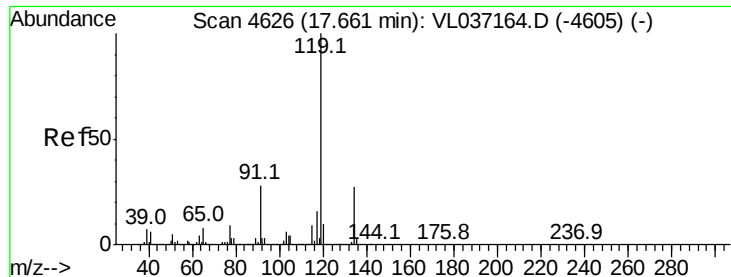


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 9.692 ppbv

RT: 17.66 min Scan# 4627

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

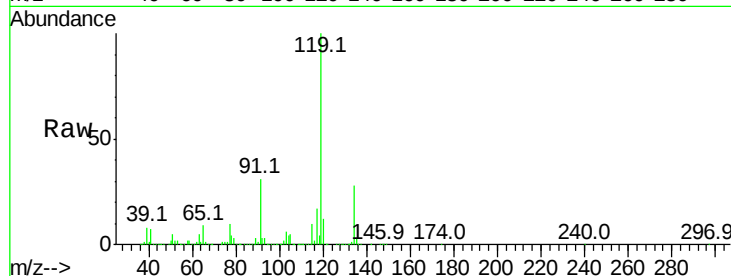
Tgt Ion:119 Resp: 8870702

Ion Ratio Lower Upper

119 100

134 26.9 20.9 31.3

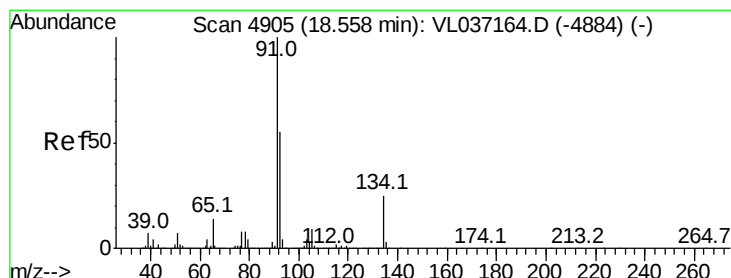
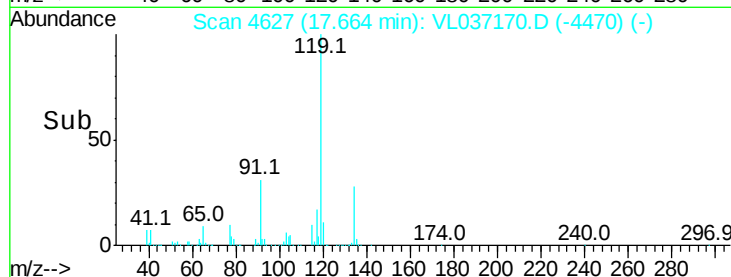
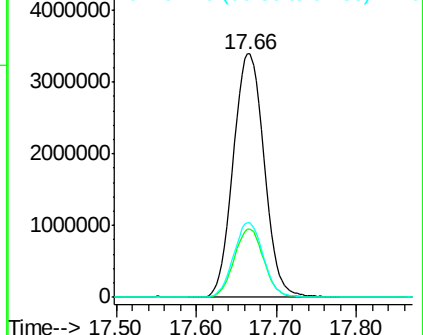
91 29.3 22.6 34.0



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 10.052 ppbv

RT: 18.56 min Scan# 4906

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

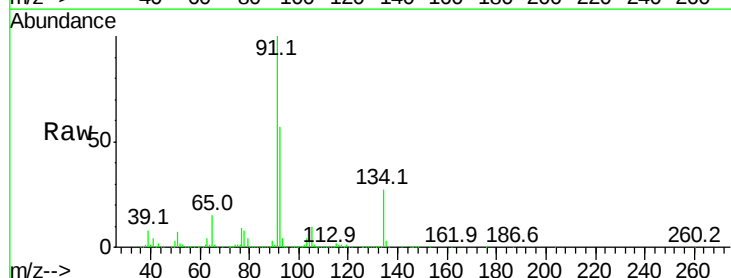
Tgt Ion: 91 Resp: 8417479

Ion Ratio Lower Upper

91 100

92 55.6 44.0 66.0

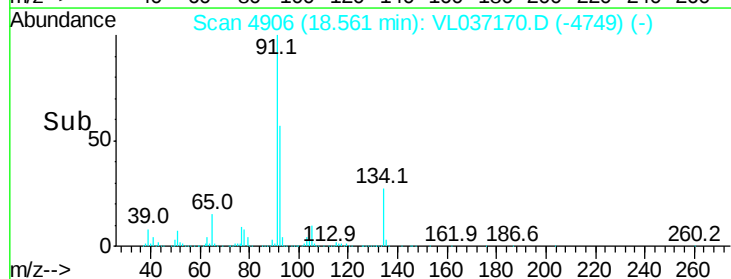
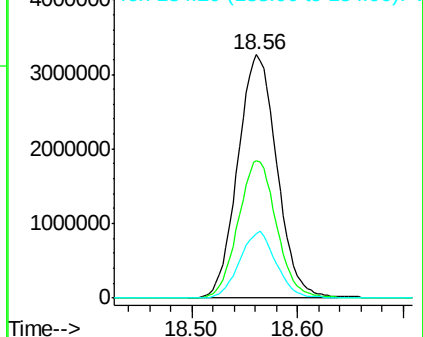
134 25.9 20.2 30.4

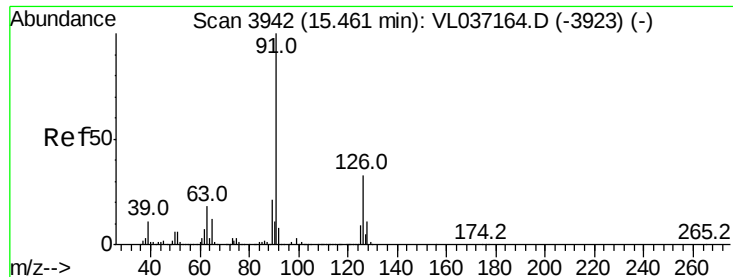


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.687 ppbv

RT: 15.46 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

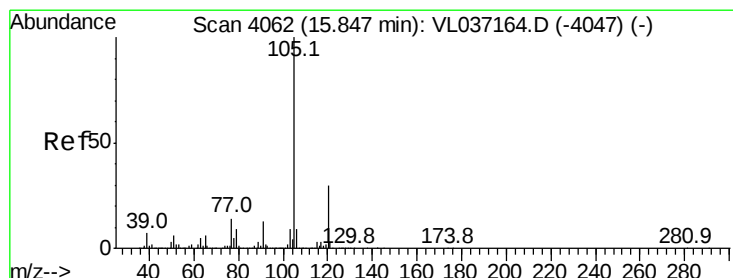
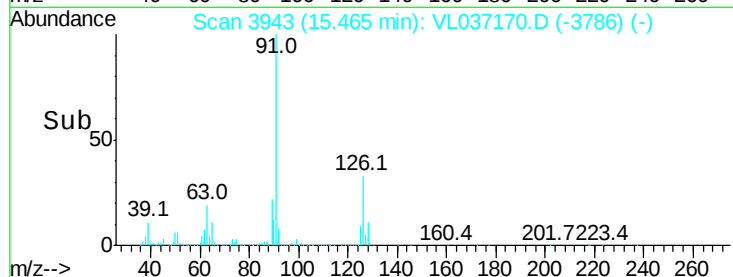
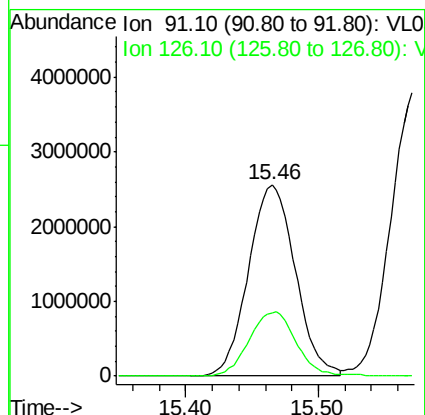
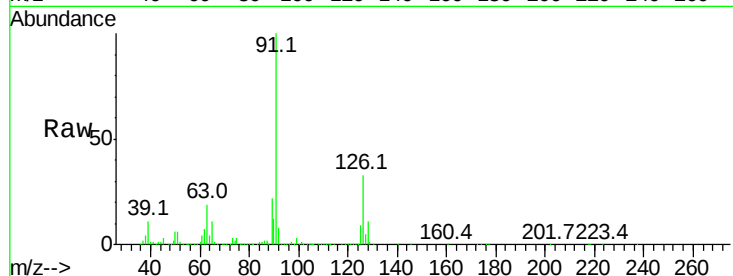
VSTDIC015

Tgt Ion: 91 Resp: 6282513

Ion Ratio Lower Upper

91 100

126 34.3 13.5 54.1



#72

4-Ethyltoluene

Concen: 10.073 ppbv

RT: 15.85 min Scan# 4063

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Tgt Ion: 105 Resp: 7464074

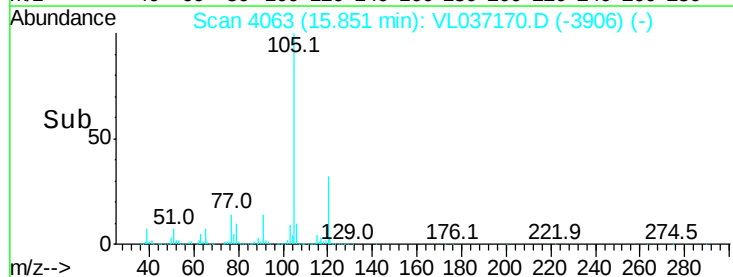
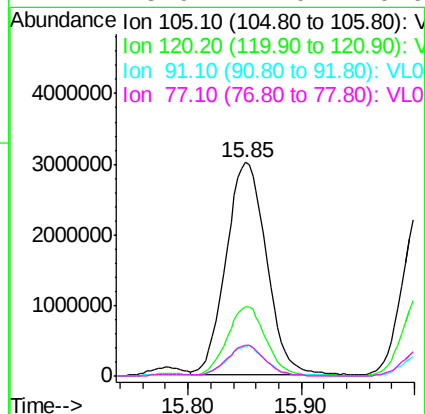
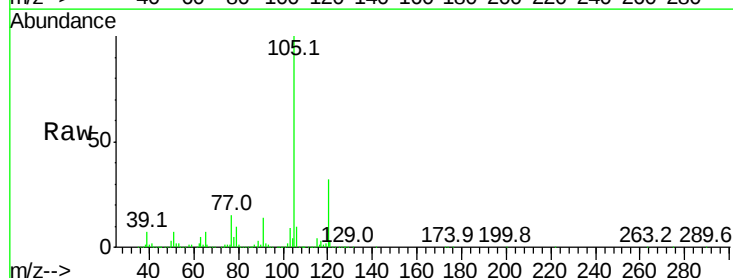
Ion Ratio Lower Upper

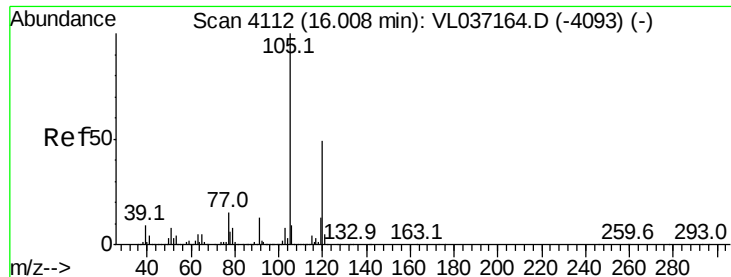
105 100

120 31.7 24.7 37.1

91 13.1 10.2 15.4

77 13.9 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 9.606 ppbv

RT: 16.01 min Scan# 4113

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

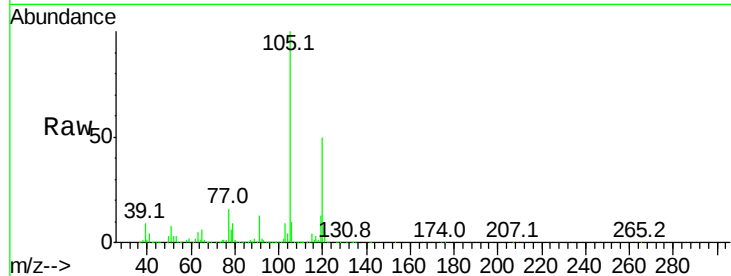
VSTDIC015

Tgt Ion:105 Resp: 6751580

Ion Ratio Lower Upper

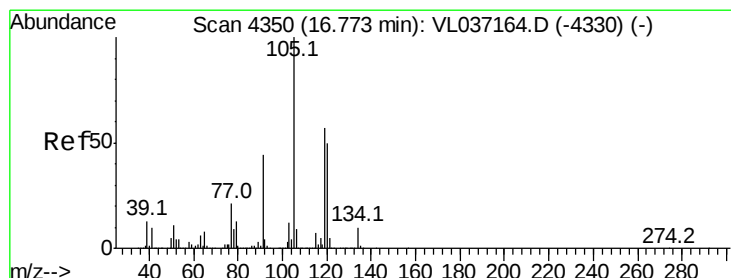
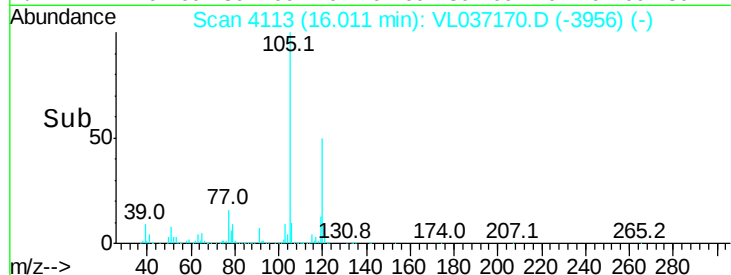
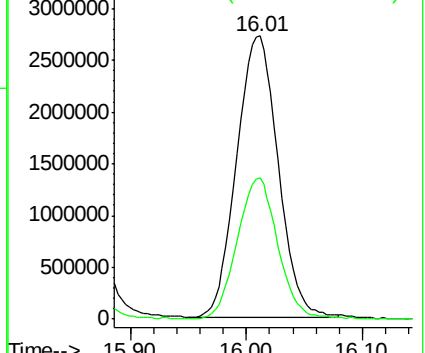
105 100

120 50.0 39.4 59.2



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: 9.765 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Tgt Ion:105 Resp: 6983335

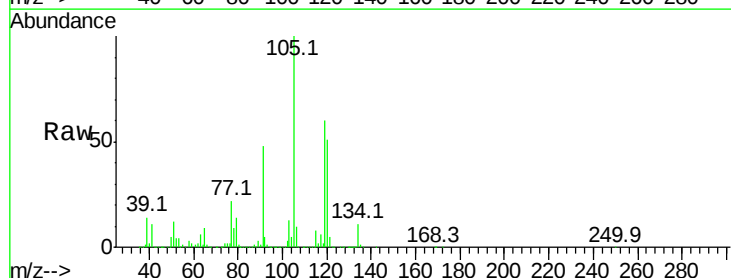
Ion Ratio Lower Upper

105 100

120 50.8 39.8 59.8

91 47.8 37.0 55.4

77 21.6 17.0 25.4

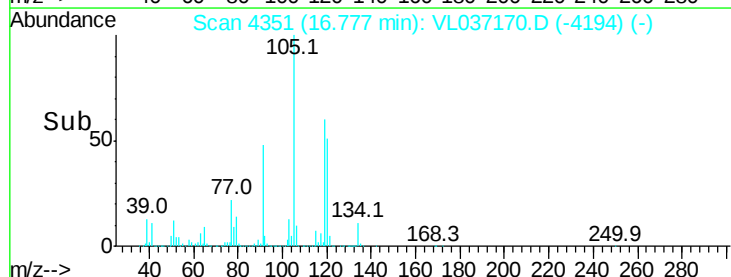
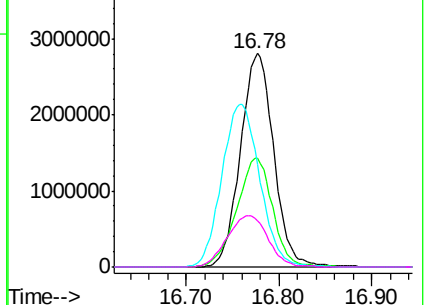


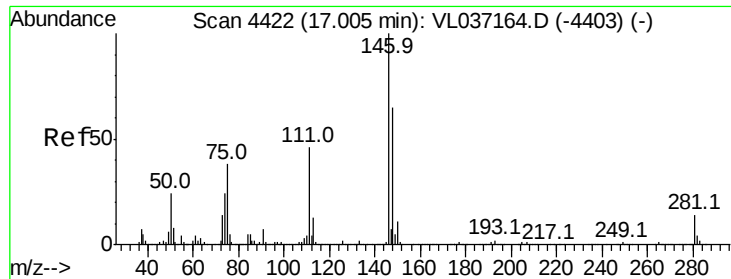
Abundance Ion 105.10 (104.80 to 105.80): V

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

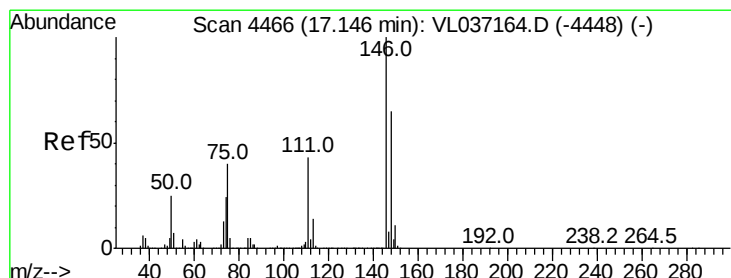
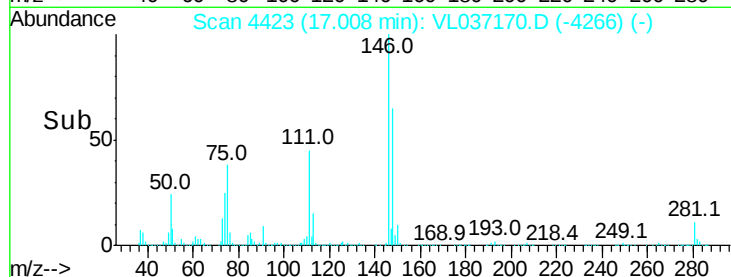
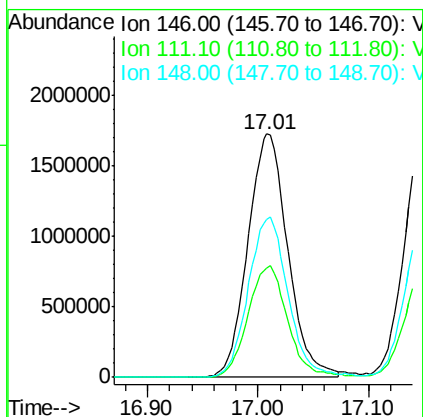
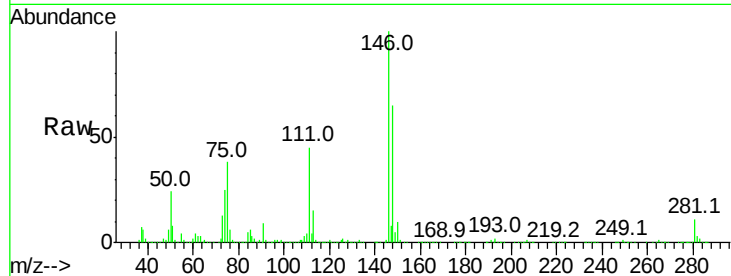




#75
 1,3-Dichlorobenzene
 Concen: 9.799 ppbv
 RT: 17.01 min Scan# 4423
 Delta R.T. 0.00 min
 Lab File: VL037170.D
 Acq: 16 Jun 2021 13:14

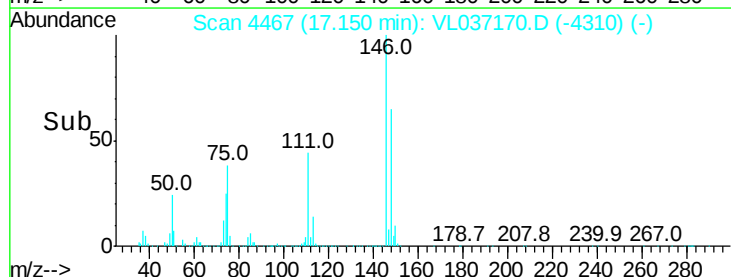
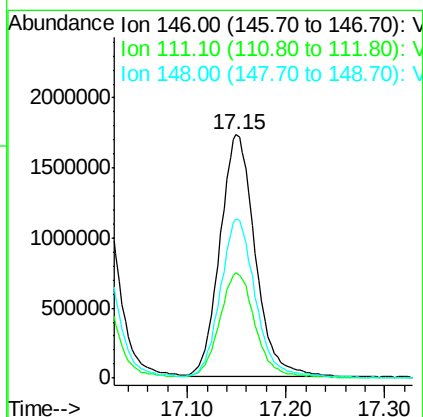
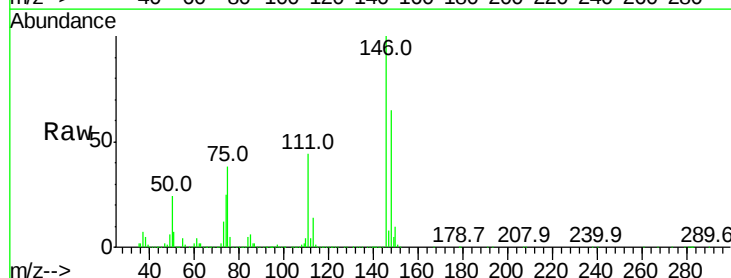
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

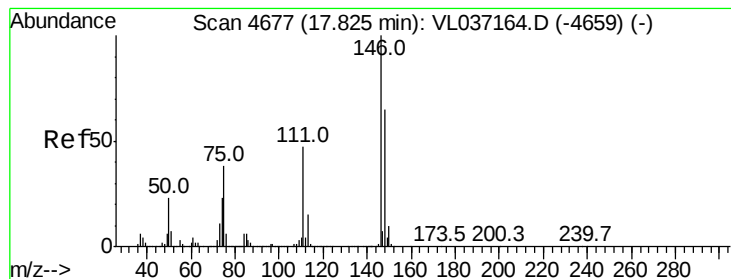
Tgt Ion:146 Resp: 4314953
 Ion Ratio Lower Upper
 146 100
 111 45.8 22.2 66.6
 148 65.8 32.4 97.2



#76
 1,4-Dichlorobenzene
 Concen: 9.786 ppbv
 RT: 17.15 min Scan# 4467
 Delta R.T. 0.00 min
 Lab File: VL037170.D
 Acq: 16 Jun 2021 13:14

Tgt Ion:146 Resp: 4280012
 Ion Ratio Lower Upper
 146 100
 111 44.6 22.7 68.0
 148 66.1 33.7 101.1





#77

1,2-Dichlorobenzene

Concen: 9.543 ppbv

RT: 17.83 min Scan# 4678

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

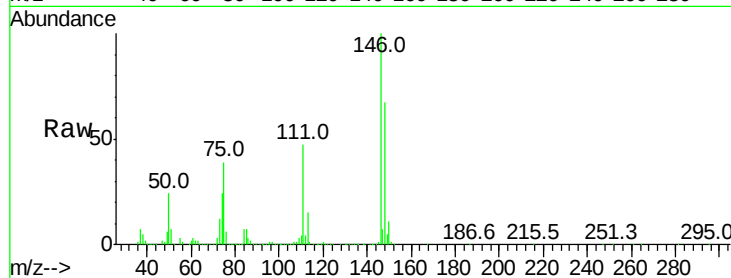
Tgt Ion:146 Resp: 4143404

Ion Ratio Lower Upper

146 100

111 47.2 23.3 69.8

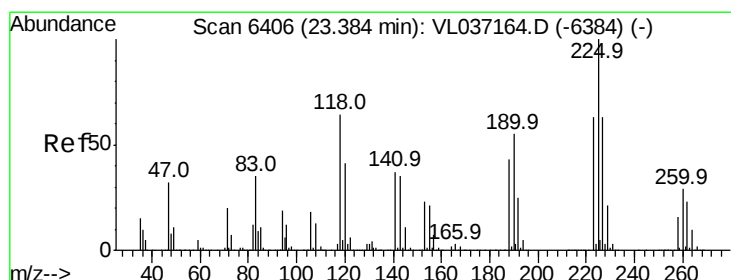
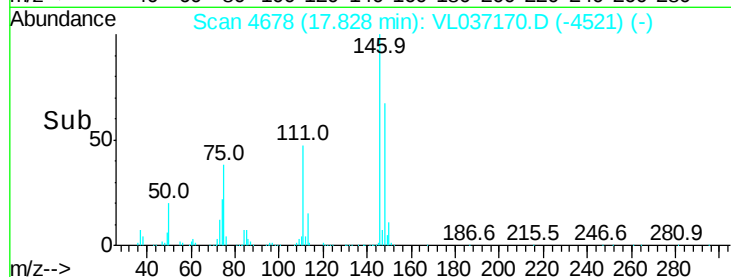
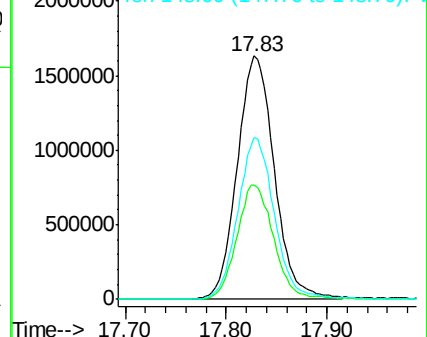
148 65.9 32.4 97.0



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



#78

Hexachloro-1,3-Butadiene

Concen: 10.256 ppbv

RT: 23.39 min Scan# 6407

Delta R.T. 0.00 min

Lab File: VL037170.D

Acq: 16 Jun 2021 13:14

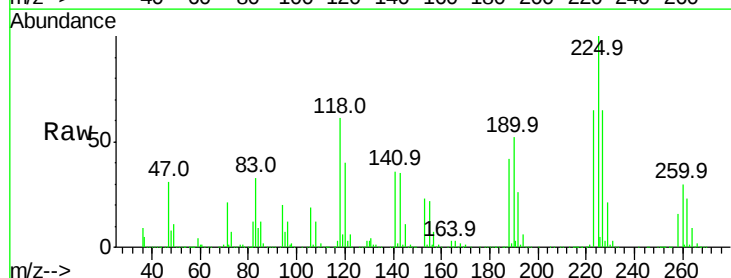
Tgt Ion:225 Resp: 3156611

Ion Ratio Lower Upper

225 100

223 64.8 51.8 77.8

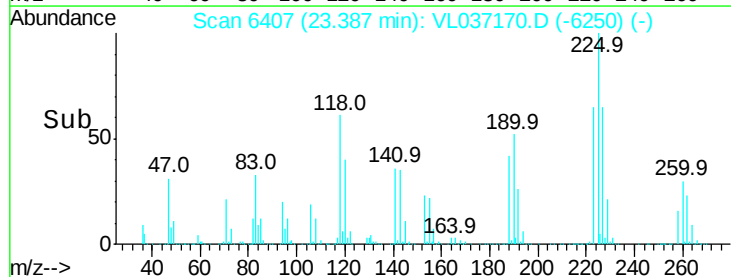
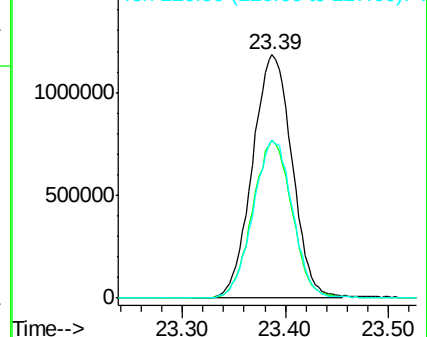
227 65.0 51.4 77.0

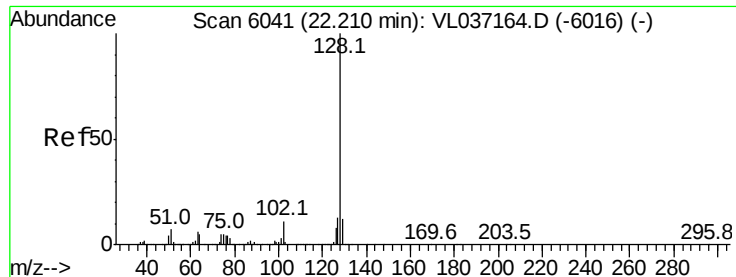


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

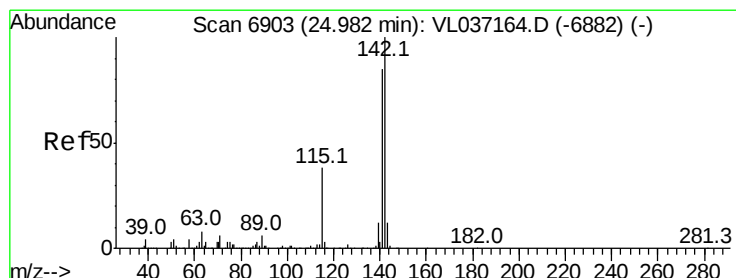
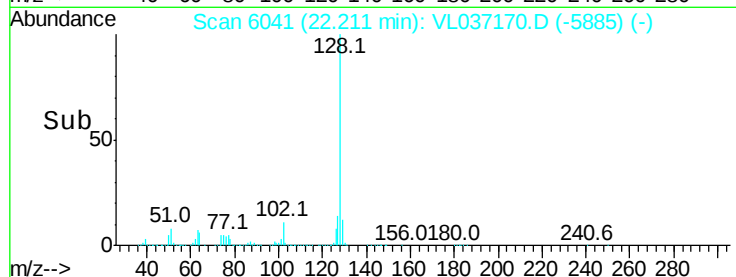
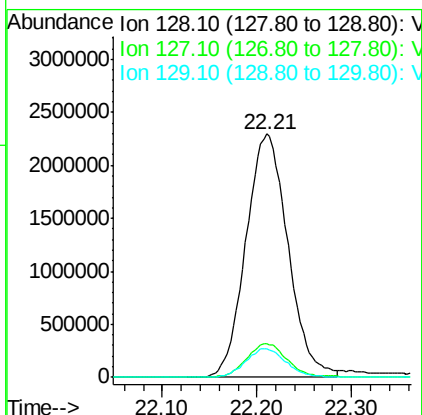
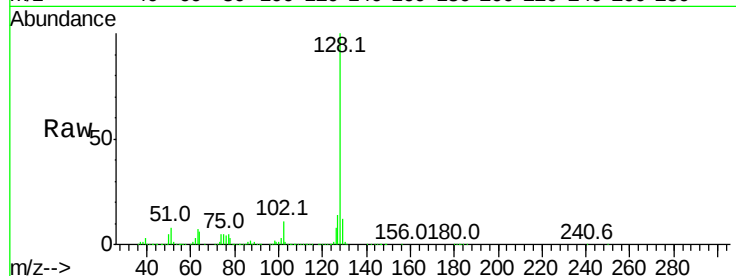




#79
Naphthalene
Concen: 16.466 ppbv
RT: 22.21 min Scan# 6041
Delta R.T. 0.00 min
Lab File: VL037170.D
Acq: 16 Jun 2021 13:14

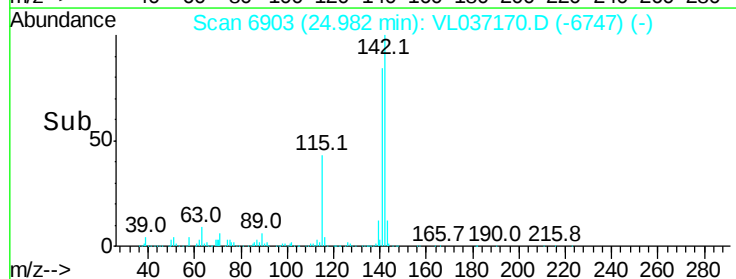
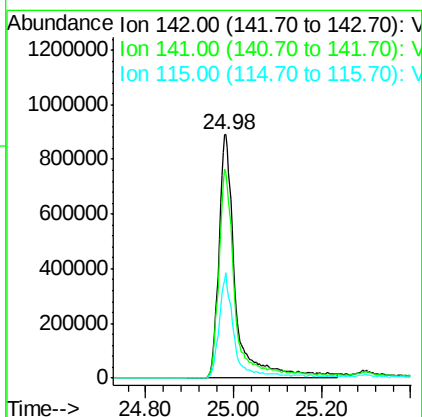
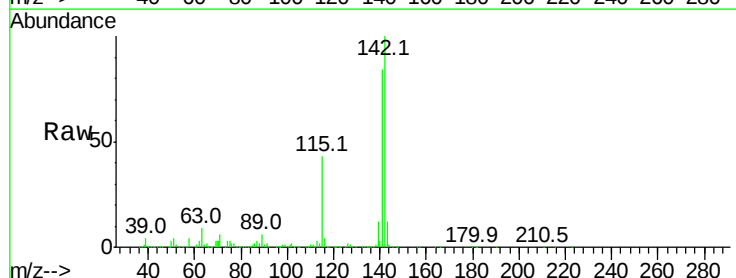
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

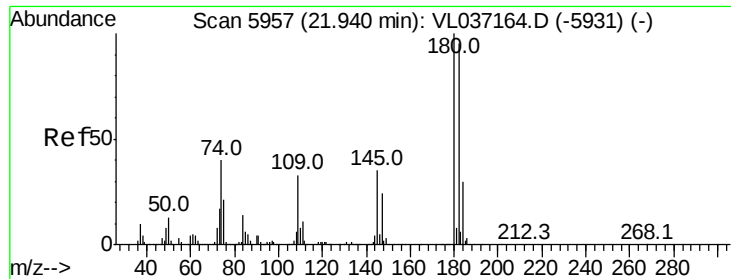
Tgt Ion:128 Resp: 7087420
Ion Ratio Lower Upper
128 100
127 13.6 10.7 16.1
129 11.5 9.3 13.9



#80
Naphthalene, 2-methyl-
Concen: 22.456 ppbv
RT: 24.98 min Scan# 6903
Delta R.T. 0.00 min
Lab File: VL037170.D
Acq: 16 Jun 2021 13:14

Tgt Ion:142 Resp: 2338527
Ion Ratio Lower Upper
142 100
141 82.8 63.7 95.5
115 41.4 30.6 45.8

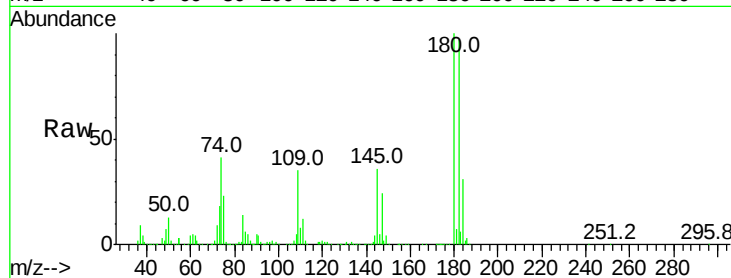




#81
 1,2,4-Trichlorobenzene
 Concen: 13.616 ppbv
 RT: 21.94 min Scan# 5957
 Delta R.T. 0.00 min
 Lab File: VL037170.D
 Acq: 16 Jun 2021 13:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:180 Resp: 3728169
 Ion Ratio Lower Upper
 180 100
 182 98.5 79.3 118.9
 184 32.1 24.7 37.1



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

