

Data File : VL037146.D

Acq On : 14 Jun 2021 13:01

Operator : SY/AP

Sample : VSTDIC002

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Quant Time: Jun 14 14:04:40 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061421AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021

QLast Update : Tue May 18 12:00:15 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1575657	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	4590487	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	4398387	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3166196	9.58	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	475839	1.780	ppbv	97
3) Chlorodifluoromethane	2.99	51	639478	2.215	ppbv	98
4) Chloromethane	3.14	50	216348	2.203	ppbv	98
5) Vinyl Chloride	3.27	62	226705	2.111	ppbv	90
6) Bromomethane	3.48	94	131286	2.320	ppbv	98
7) Chloroethane	3.56	64	83374	2.391	ppbv	92
8) Dichlorotetrafluoroethane	3.19	85	578719	2.306	ppbv	97
9) Propene	3.01	41	208750	2.020	ppbv	98
10) Heptane	8.13	43	503741	1.956	ppbv	99
11) Trichlorofluoromethane	3.96	101	614797	2.485	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	414387	2.351	ppbv	94
13) Ethanol	3.63	45	9806	0.711	ppbv #	1
14) Bromoethene	3.74	108	176924	2.279	ppbv	97
15) Acetone	3.86	43	462815	2.868	ppbv #	78
16) 1,3-Butadiene	3.33	39	215644	2.151	ppbv	98
17) tert-Butyl alcohol	4.30	59	354295	2.397	ppbv	98
18) 1,1-Dichloroethene	4.29	96	185738	2.279	ppbv	93
19) Isopropyl Alcohol	3.98	45	221196	2.550	ppbv #	39
20) Methylene Chloride	4.35	84	180673	2.088	ppbv	95
21) Allyl Chloride	4.42	41	265401	2.180	ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	172791	2.212	ppbv	90
23) Vinyl Acetate	5.08	43	509369	1.988	ppbv	98
24) 1,1-Dichloroethane	5.02	63	422131	2.289	ppbv	98
25) Ethyl Acetate	5.69	43	797646	2.057	ppbv	99
26) Hexane	5.69	57	402582	2.032	ppbv	98
27) Carbon Disulfide	4.56	76	388114	1.944	ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	500839	2.109	ppbv	99
29) Chloroform	5.76	83	629285	2.248	ppbv	99
30) Cyclohexane	7.14	84	347160	2.062	ppbv	90
31) cis-1,2-Dichloroethene	5.56	61	374180	2.107	ppbv	94
32) 1,1,1-Trichloroethane	6.52	97	637355	2.121	ppbv	99
34) 2-Butanone	5.26	43	373682	2.236	ppbv	91
35) Carbon Tetrachloride	7.03	117	668103	2.190	ppbv	98
36) Benzene	6.90	78	800301	2.024	ppbv	96
37) 1,2-Dichloroethane	6.31	62	458594	2.339	ppbv	100
38) Trichloroethene	7.84	130	350445	2.072	ppbv	96
39) 1,2-Dichloropropane	7.62	63	130944	0.860	ppbv	96
40) 1,4-Dioxane	7.86	88	66397	1.846	ppbv #	100
41) Tetrahydrofuran	6.07	42	69776	0.733	ppbv #	36
42) Bromodichloromethane	7.80	83	627632	2.116	ppbv	99
43) Methyl Methacrylate	8.02	69	271250	1.990	ppbv	95

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021

QLast Update : Tue May 18 12:00:15 2021

Response via : Initial Calibration

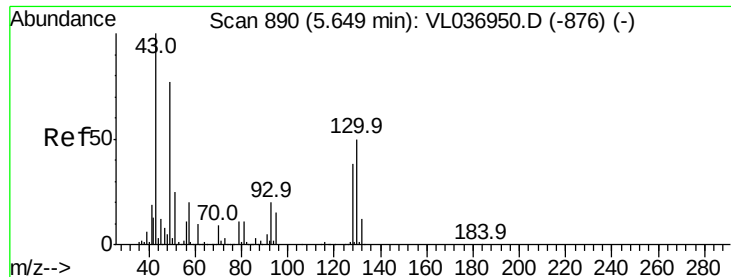
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	1374369	2.026	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	233241	2.240	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	322396	2.302	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	337739	2.119	ppbv	96
48) Dibromochloromethane	10.32	129	561069	2.174	ppbv	99
49) Bromoform	13.05	173	433978	2.036	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	543862	1.972	ppbv	99
51) 2-Hexanone	10.16	43	261203	1.791	ppbv #	100
52) Tetrachloroethene	11.23	164	343270	2.183	ppbv	96
53) Toluene	9.82	91	970263	2.062	ppbv	99
54) 1,2-Dibromoethane	10.62	107	493744	2.178	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.14	131	412160	2.227	ppbv #	1
57) Chlorobenzene	12.16	112	776484	2.277	ppbv	100
58) Ethyl Benzene	12.72	91	1330329	2.143	ppbv	98
59) m/p-Xylene	13.01	91	1157786	2.256	ppbv #	40
60) o-Xylene	13.70	91	1080520	2.208	ppbv	97
61) Styrene	13.54	104	557360	2.022	ppbv	96
62) Isopropylbenzene	14.68	105	1530954	2.177	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	722488	1.977	ppbv	99
64) n-propylbenzene	15.57	120	390461	2.152	ppbv	86
65) tert-Butylbenzene	16.76	119	736037	1.160	ppbv #	24
66) Benzyl Chloride	17.00	91	17183	0.488	ppbv #	53
67) sec-Butylbenzene	17.31	105	1882302	2.174	ppbv	99
69) p-Isopropyltoluene	17.67	119	1595087	2.143	ppbv	99
70) n-Butylbenzene	18.56	91	1456635	2.060	ppbv	98
71) 2-Chlorotoluene	15.46	91	1107588	2.180	ppbv	99
72) 4-Ethyltoluene	15.85	105	1220121	2.101	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	1144449	2.098	ppbv	92
74) 1,2,4-Trimethylbenzene	16.77	105	1218318	2.160	ppbv	95
75) 1,3-Dichlorobenzene	17.00	146	724300	2.103	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	676505	1.943	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	717179	2.078	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	510552	1.840	ppbv	98
79) Naphthalene	22.22	128	303669	0.686	ppbv	97
80) Naphthalene,2-methyl-	24.99	142	98135	1.020	ppbv	92
81) 1,2,4-Trichlorobenzene	21.95	180	165045	0.612	ppbv #	1

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

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.03 min

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VSTDIC002

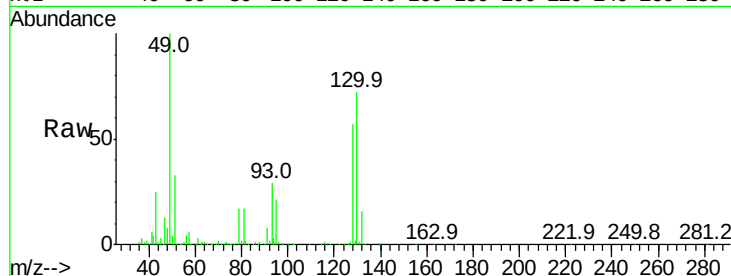
Tgt Ion: 49 Resp: 1575657

Ion Ratio Lower Upper

49 100

128 58.1 26.9 80.7

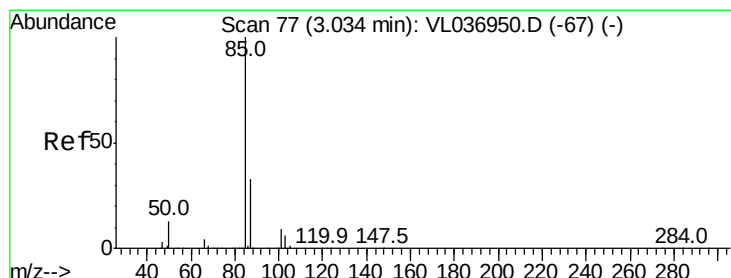
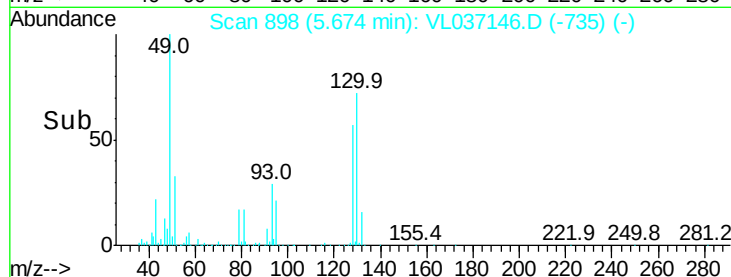
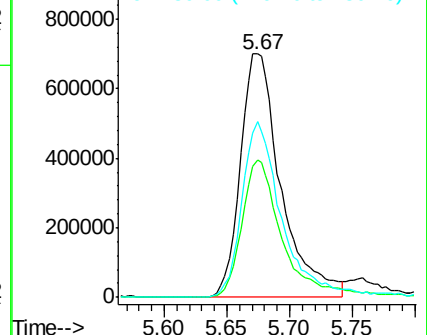
130 72.9 33.8 101.4



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: 1.780 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.02 min

Lab File: VL037146.D

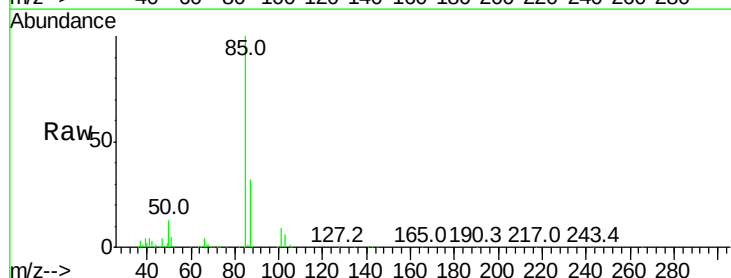
Acq: 14 Jun 2021 13:01

Tgt Ion: 85 Resp: 475839

Ion Ratio Lower Upper

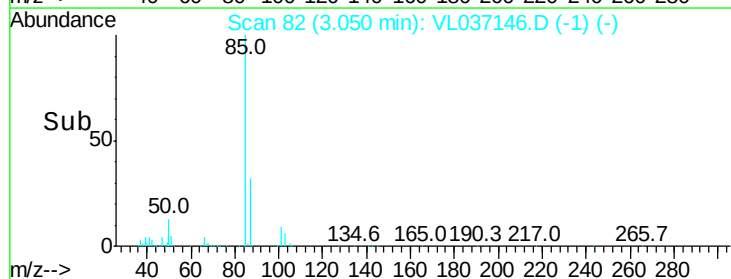
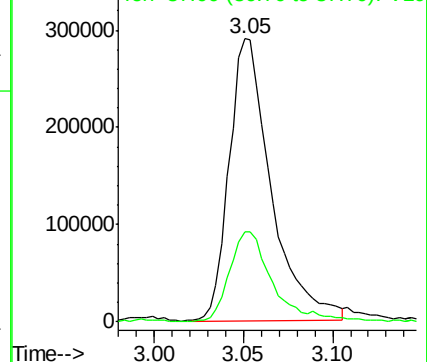
85 100

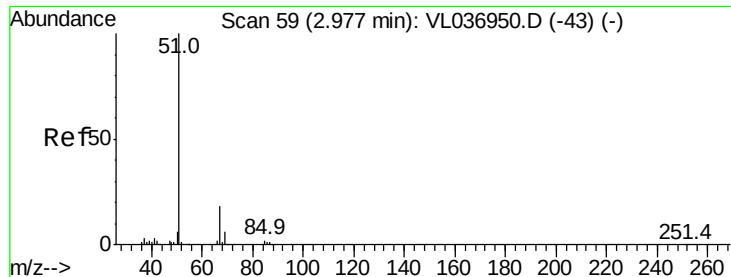
87 31.7 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.215 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.02 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

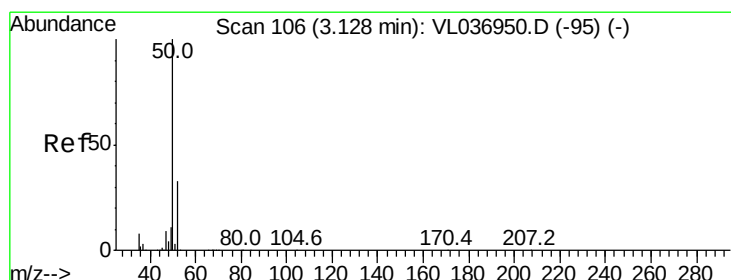
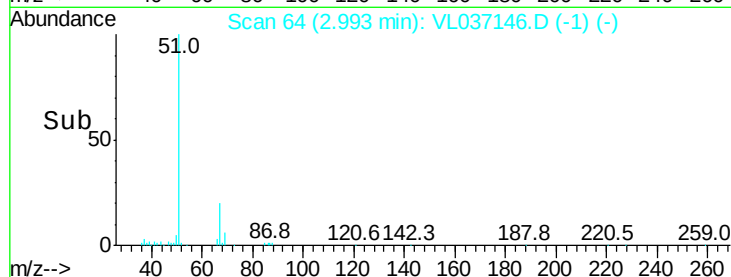
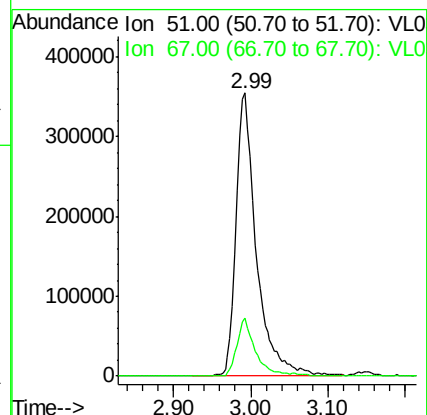
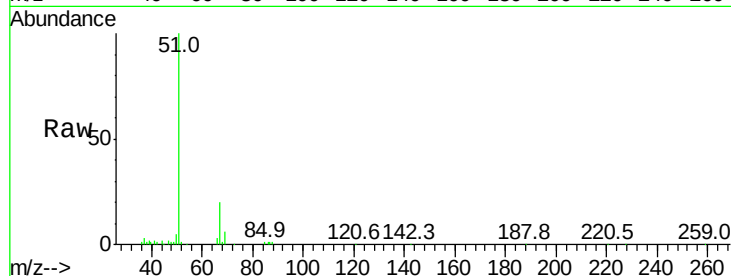
VSTDIC002

Tgt Ion: 51 Resp: 639478

Ion Ratio Lower Upper

51 100

67 19.2 14.6 21.8



#4

Chloromethane

Concen: 2.203 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.02 min

Lab File: VL037146.D

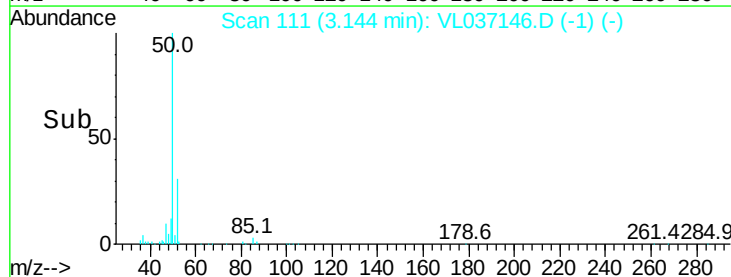
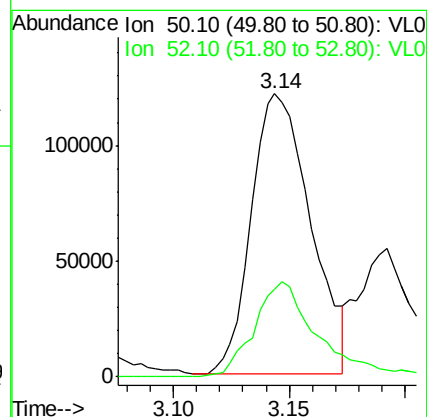
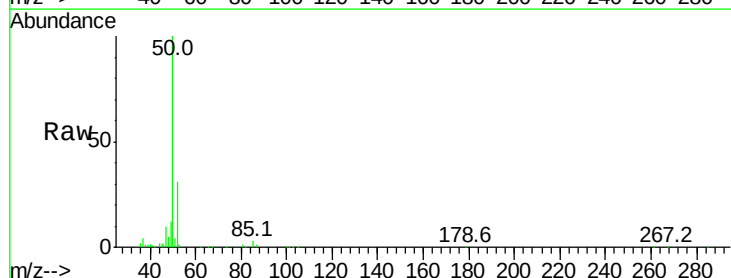
Acq: 14 Jun 2021 13:01

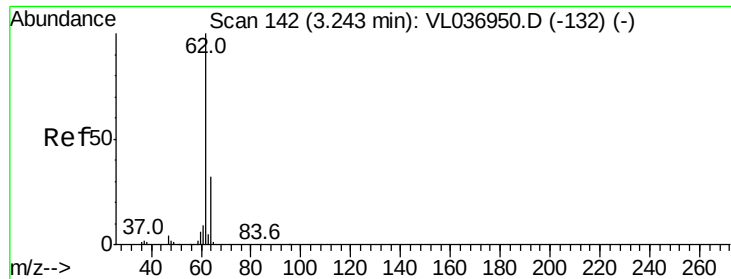
Tgt Ion: 50 Resp: 216348

Ion Ratio Lower Upper

50 100

52 31.4 26.1 39.1





#5

Vinyl Chloride

Concen: 2.111 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.02 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

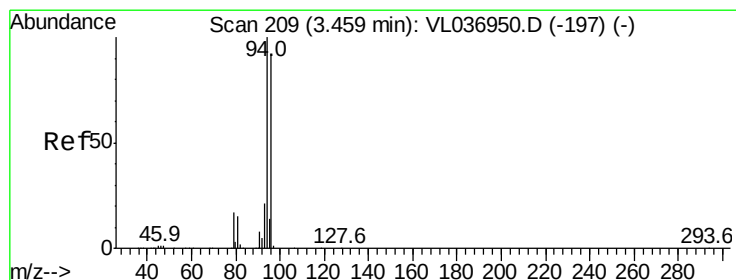
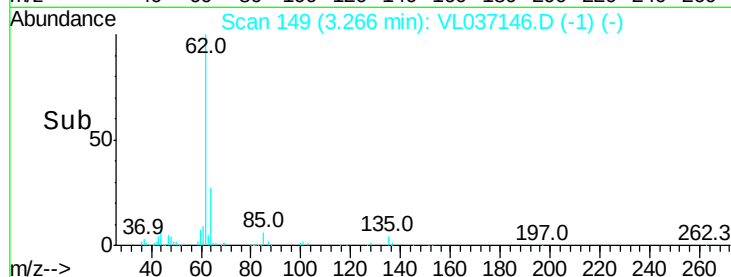
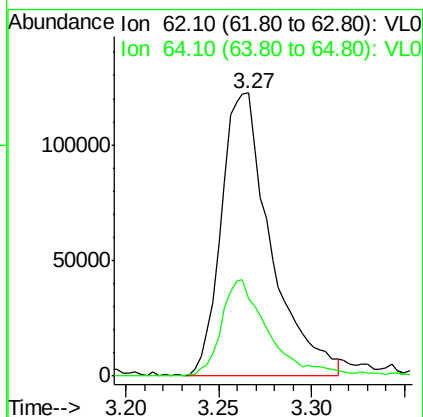
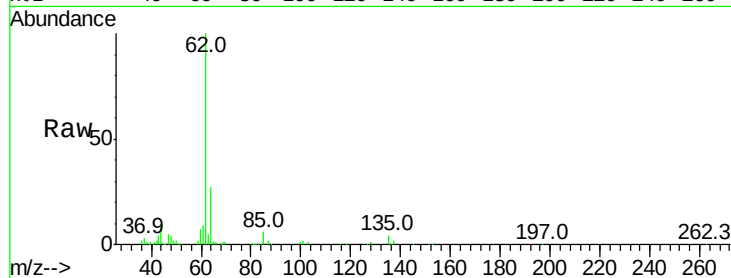
VSTDIC002

Tgt Ion: 62 Resp: 226705

Ion Ratio Lower Upper

62 100

64 26.8 25.9 38.9



#6

Bromomethane

Concen: 2.320 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.02 min

Lab File: VL037146.D

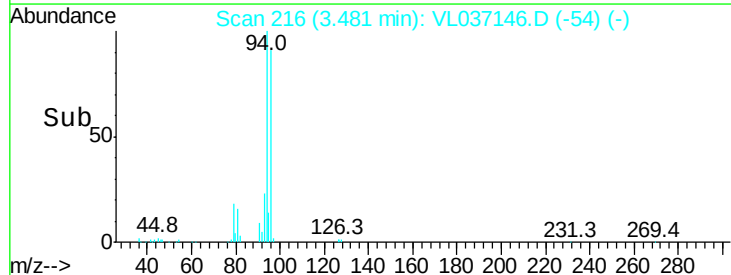
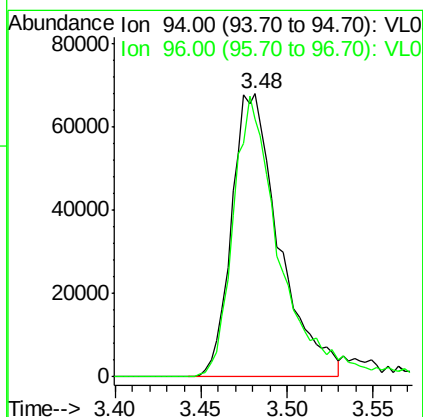
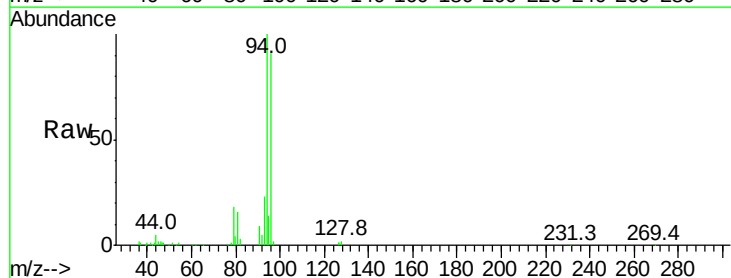
Acq: 14 Jun 2021 13:01

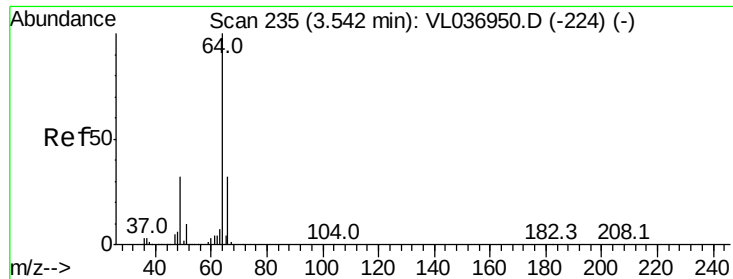
Tgt Ion: 94 Resp: 131286

Ion Ratio Lower Upper

94 100

96 90.8 74.0 111.0





#7

Chloroethane

Concen: 2.391 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.02 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

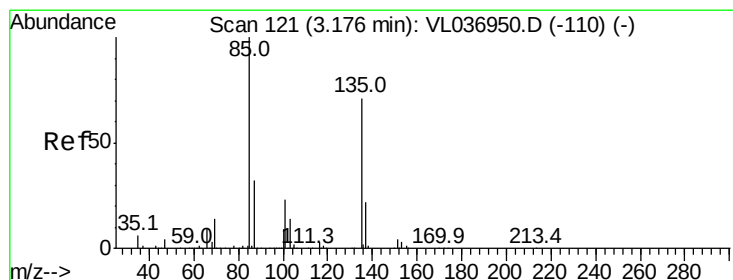
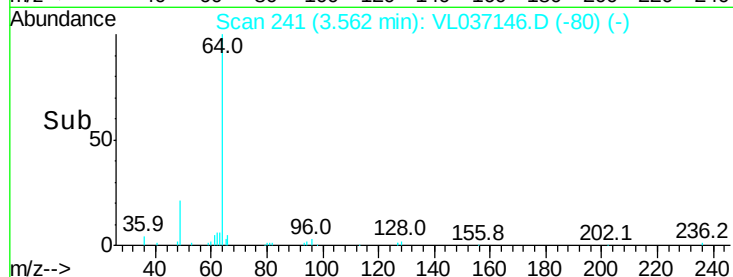
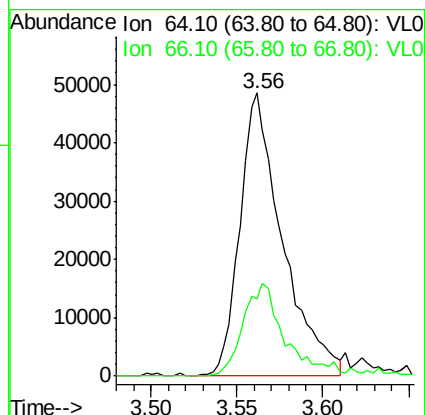
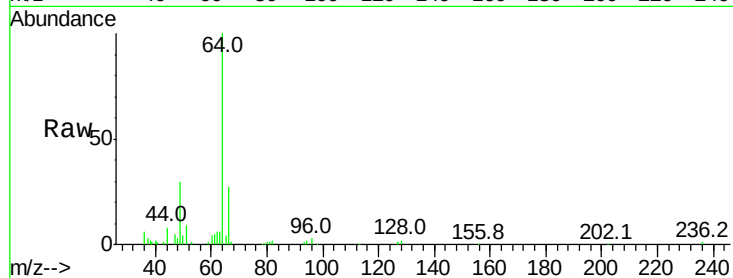
VSTDIC002

Tgt Ion: 64 Resp: 83374

Ion Ratio Lower Upper

64 100

66 27.2 25.4 38.2



#8

Dichlorotetrafluoroethane

Concen: 2.306 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.01 min

Lab File: VL037146.D

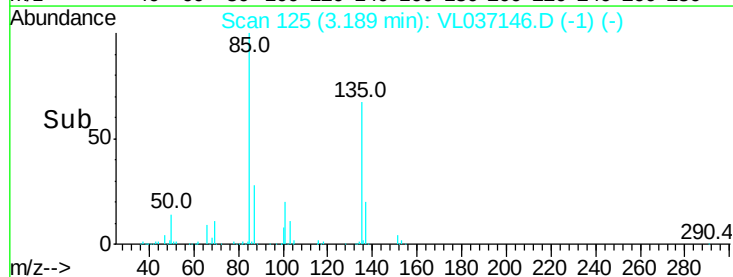
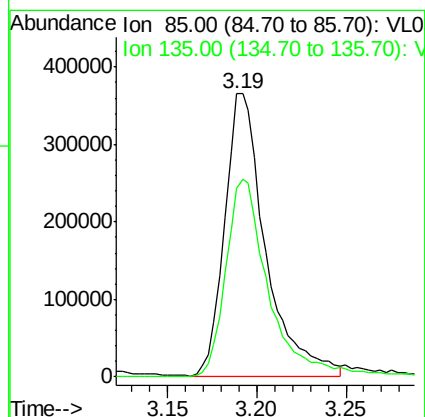
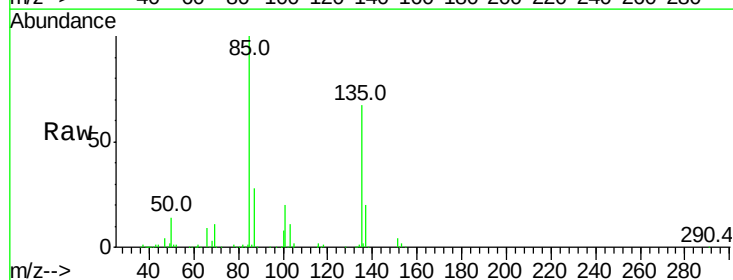
Acq: 14 Jun 2021 13:01

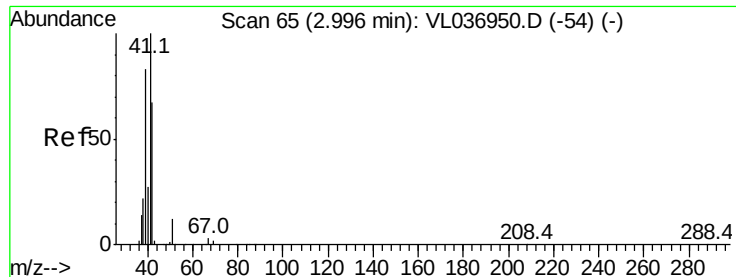
Tgt Ion: 85 Resp: 578719

Ion Ratio Lower Upper

85 100

135 74.6 57.7 86.5





#9

Propene

Concen: 2.020 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.02 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

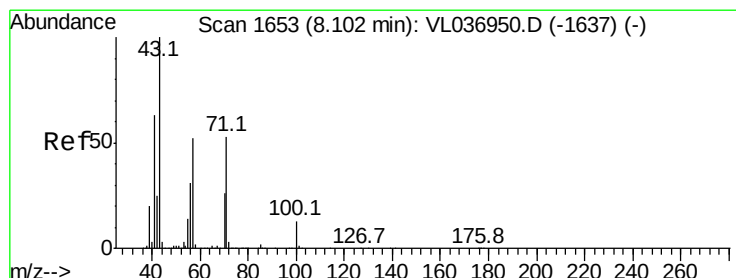
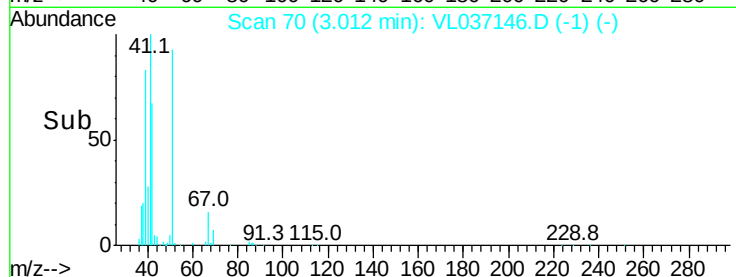
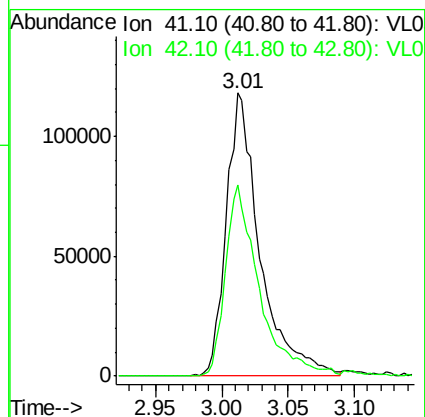
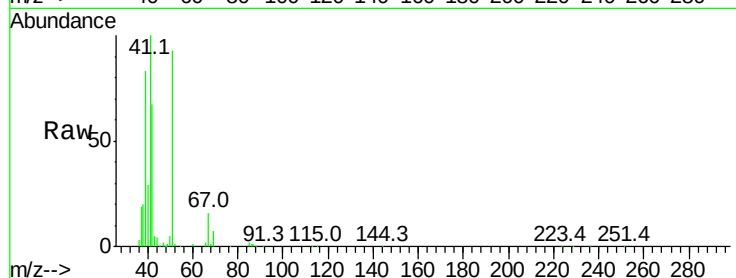
VSTDIC002

Tgt Ion: 41 Resp: 208750

Ion Ratio Lower Upper

41 100

42 69.0 53.9 80.9



#10

Heptane

Concen: 1.956 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.03 min

Lab File: VL037146.D

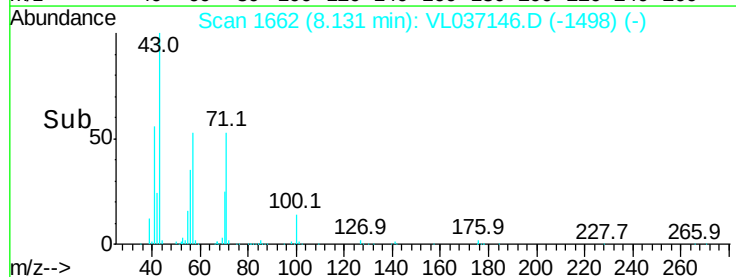
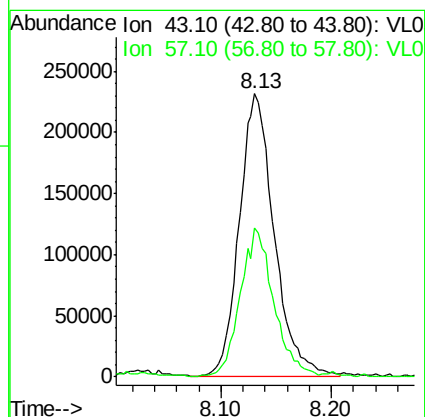
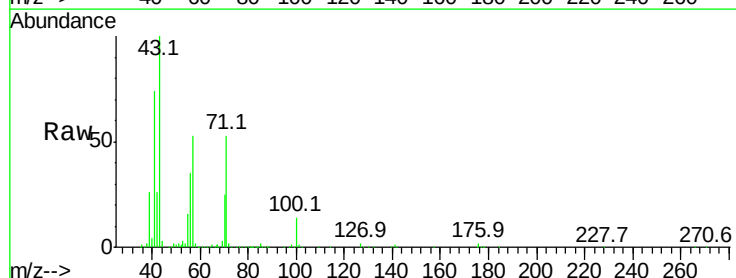
Acq: 14 Jun 2021 13:01

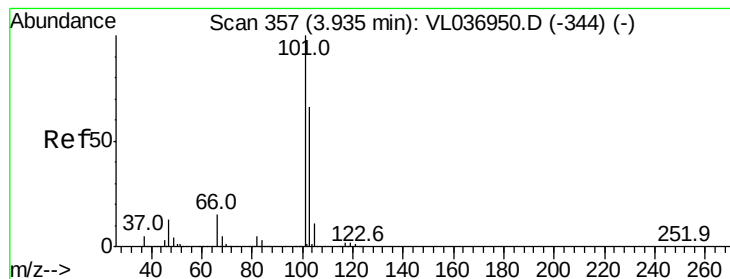
Tgt Ion: 43 Resp: 503741

Ion Ratio Lower Upper

43 100

57 50.8 41.0 61.6





#11

Trichlorofluoromethane

Concen: 2.485 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.02 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

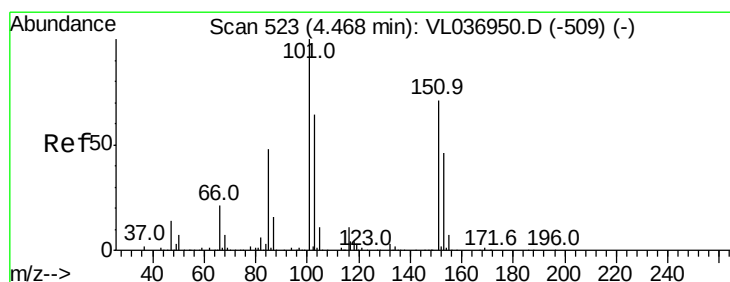
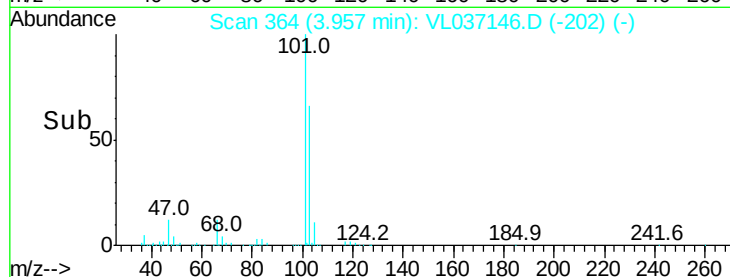
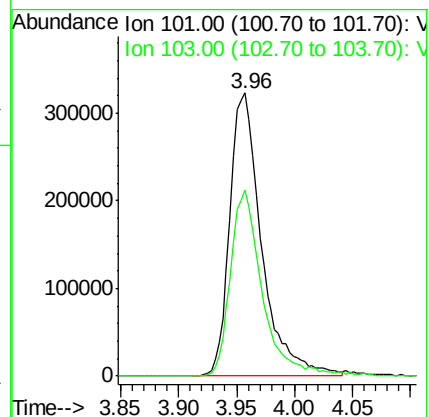
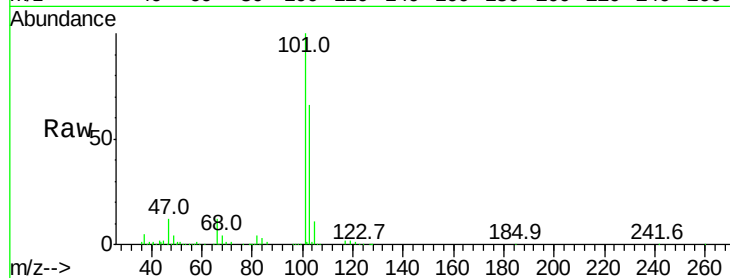
VSTDIC002

Tgt Ion:101 Resp: 614797

Ion Ratio Lower Upper

101 100

103 65.7 52.6 79.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 2.351 ppbv

RT: 4.49 min Scan# 530

Delta R.T. 0.02 min

Lab File: VL037146.D

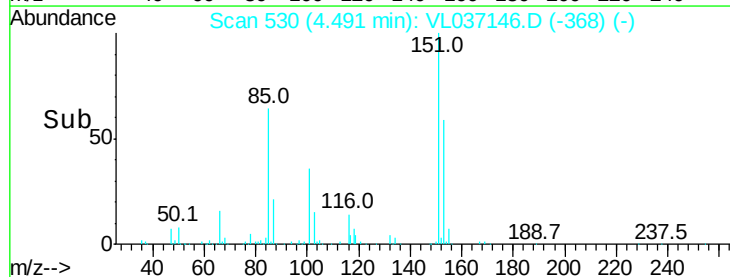
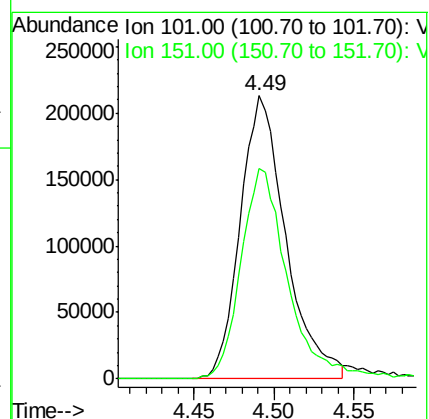
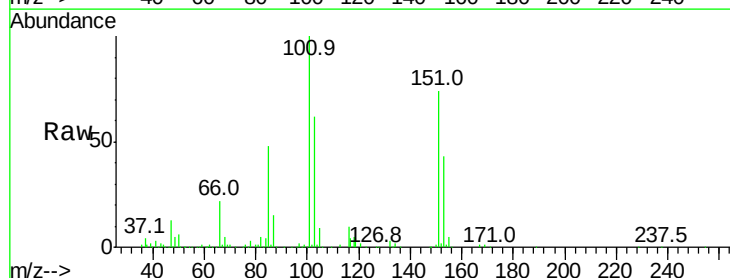
Acq: 14 Jun 2021 13:01

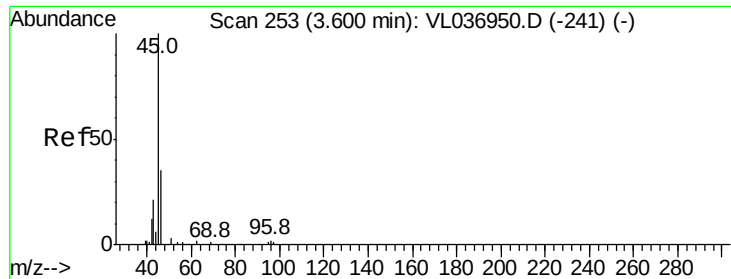
Tgt Ion:101 Resp: 414387

Ion Ratio Lower Upper

101 100

151 77.3 57.7 86.5

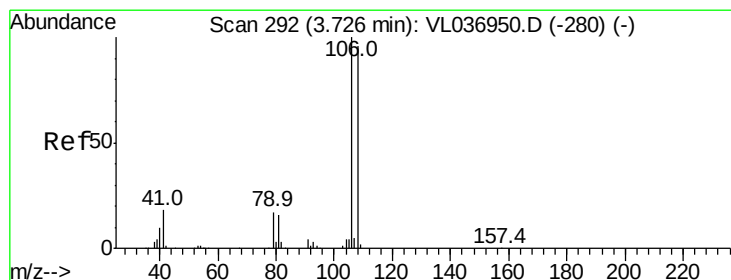
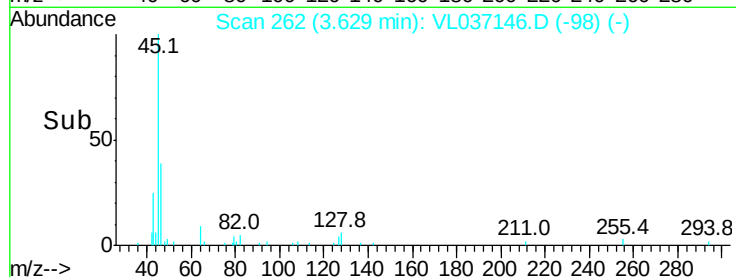
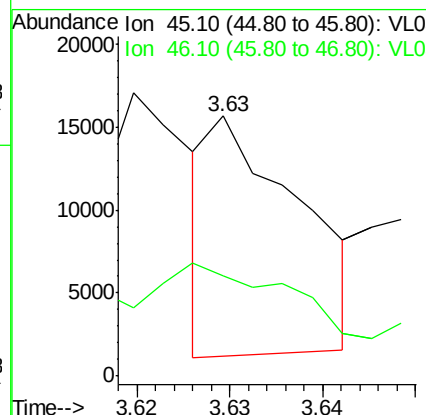
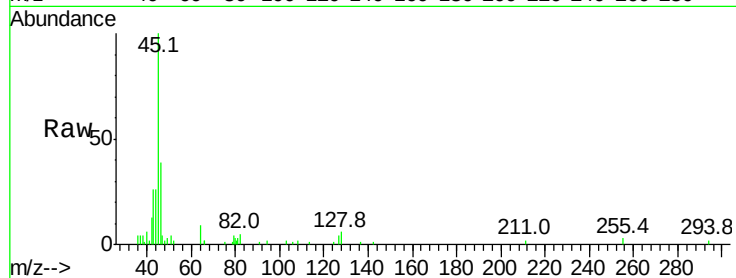




#13
 Ethanol
 Concen: 0.711 ppbv
 RT: 3.63 min Scan# 262
 Delta R.T. 0.03 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

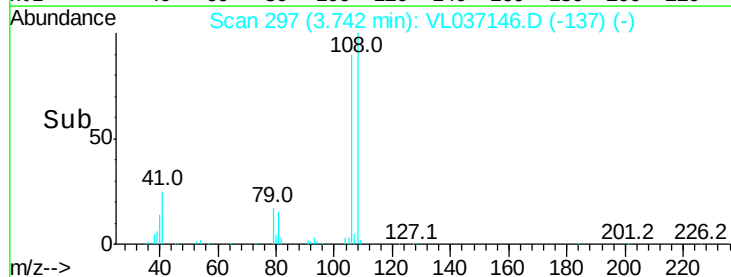
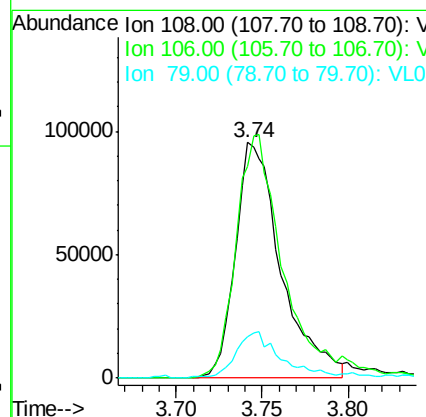
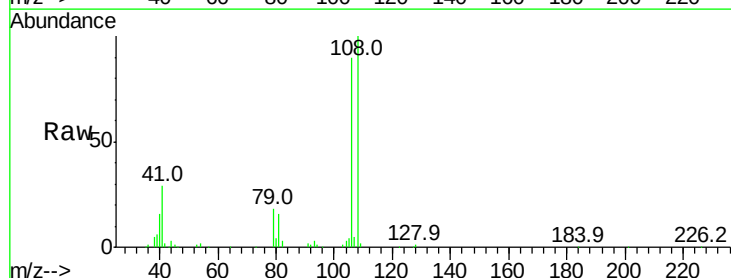
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

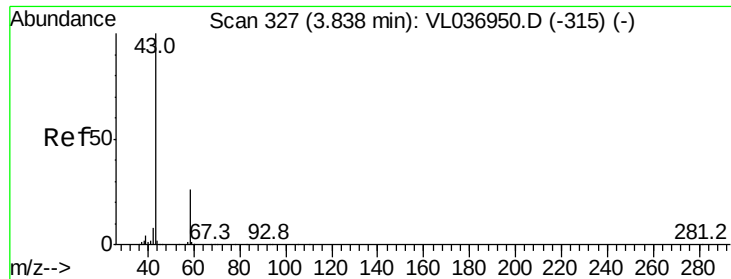
Tgt Ion: 45 Resp: 9806
 Ion Ratio Lower Upper
 45 100
 46 174.4 16.3 65.3#



#14
 Bromoethene
 Concen: 2.279 ppbv
 RT: 3.74 min Scan# 297
 Delta R.T. 0.02 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Tgt Ion: 108 Resp: 176924
 Ion Ratio Lower Upper
 108 100
 106 110.4 86.5 129.7
 79 22.3 15.0 22.4

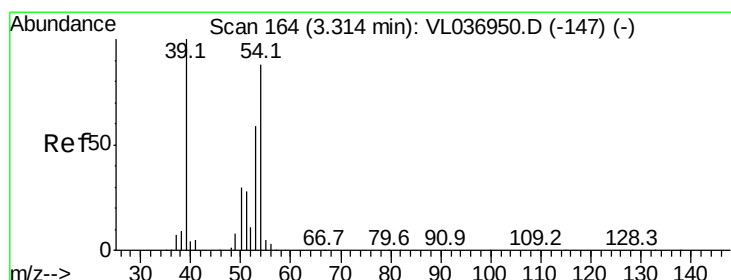
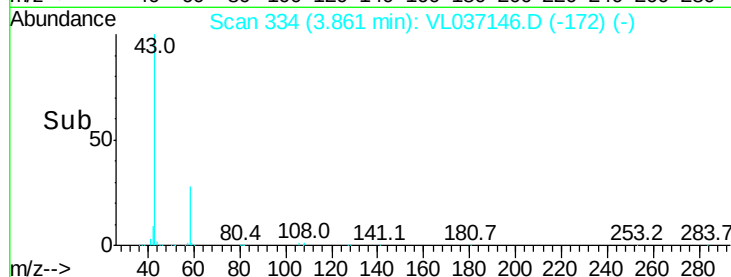
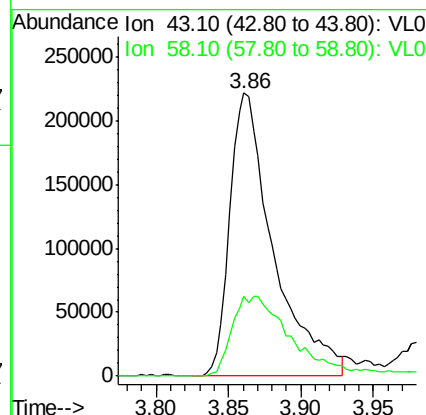
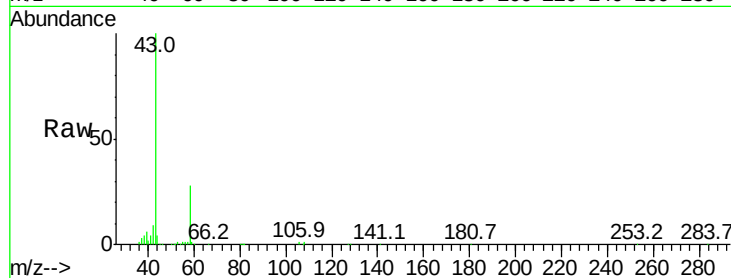




#15
Acetone
Concen: 2.868 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.02 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

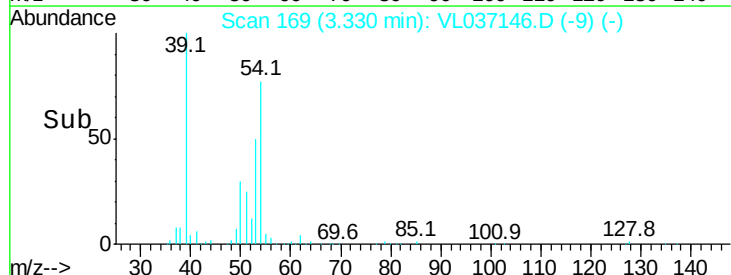
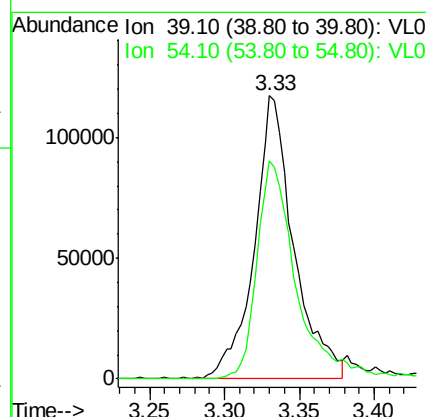
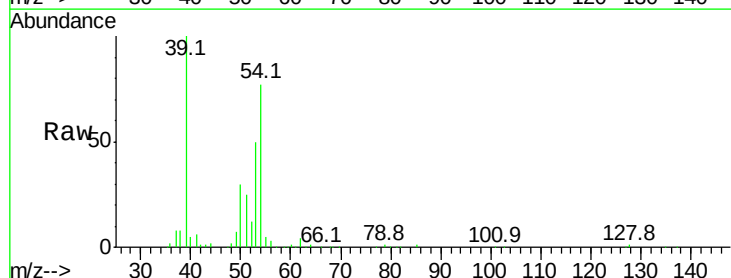
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

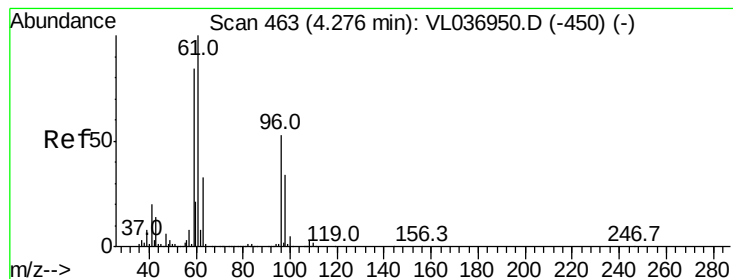
Tgt Ion: 43 Resp: 462815
Ion Ratio Lower Upper
43 100
58 41.7 24.0 36.0#



#16
1,3-Butadiene
Concen: 2.151 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.02 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Tgt Ion: 39 Resp: 215644
Ion Ratio Lower Upper
39 100
54 77.4 63.2 94.8





#17

tert-Butyl alcohol

Concen: 2.397 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

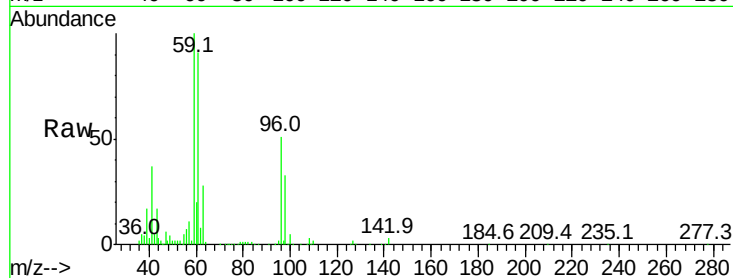
VSTDIC002

Tgt Ion: 59 Resp: 354295

Ion Ratio Lower Upper

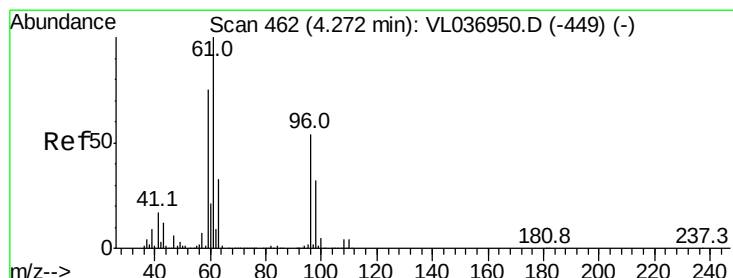
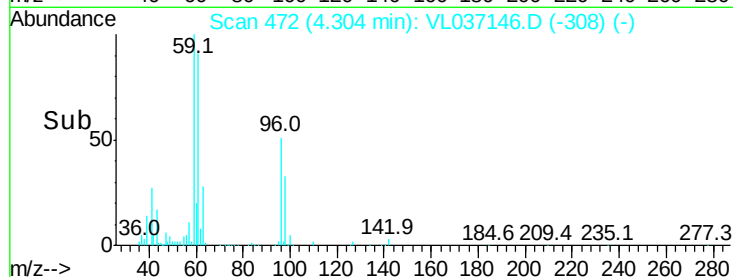
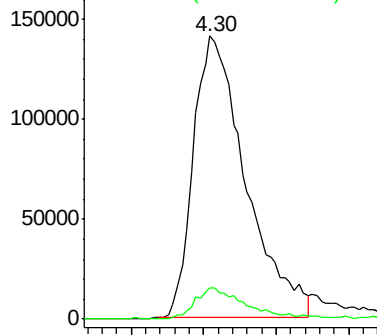
59 100

57 11.0 8.3 12.5



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 2.279 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.02 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

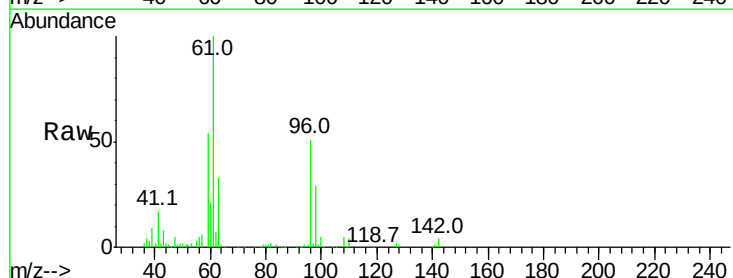
Tgt Ion: 96 Resp: 185738

Ion Ratio Lower Upper

96 100

61 196.5 148.2 222.4

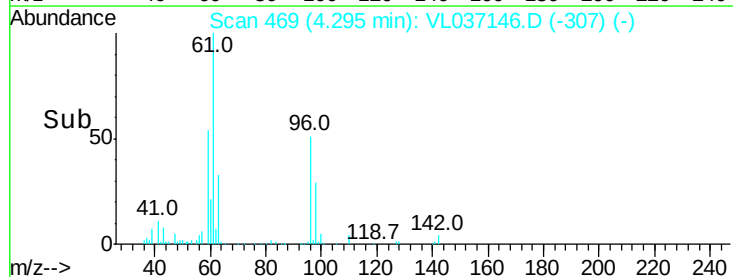
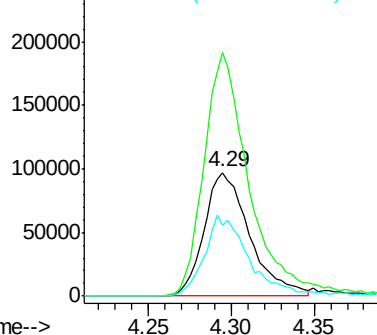
98 57.1 47.8 71.6

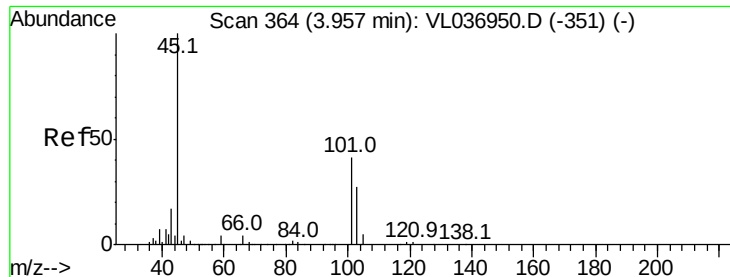


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 2.550 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

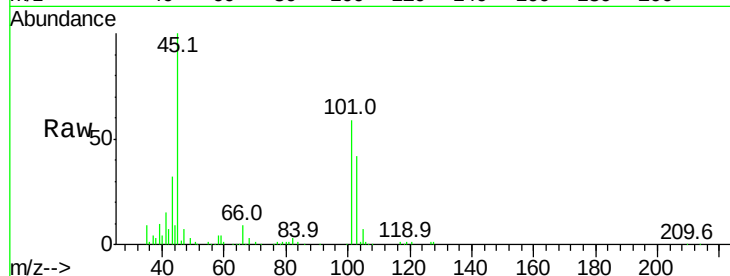
VSTDIC002

Tgt Ion: 45 Resp: 221196

Ion Ratio Lower Upper

45 100

58 87.2 37.2 55.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.98

80000

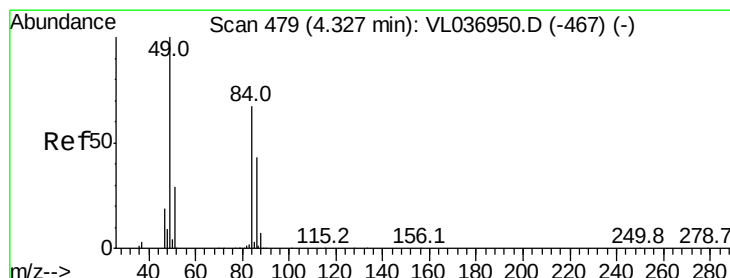
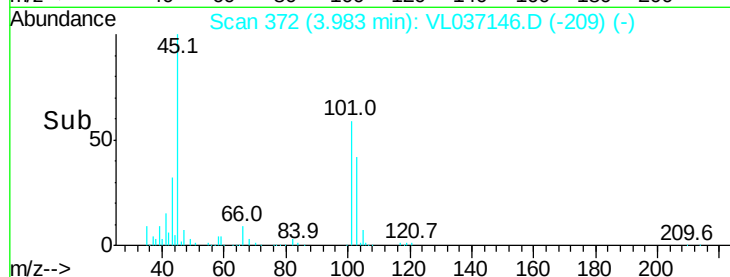
60000

40000

20000

0

Time--> 3.90 3.95 4.00 4.05



#20

Methylene Chloride

Concen: 2.088 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.02 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Tgt Ion: 84 Resp: 180673

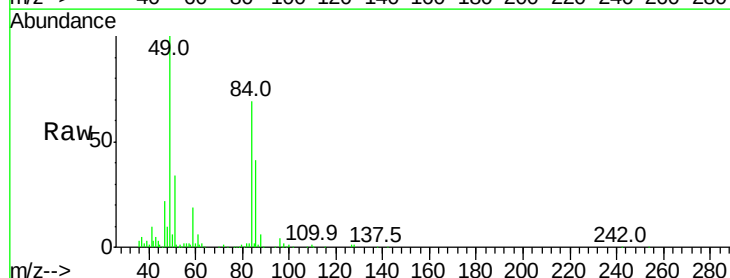
Ion Ratio Lower Upper

84 100

49 142.1 119.8 179.6

51 46.6 35.1 52.7

86 59.7 50.9 76.3



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

200000

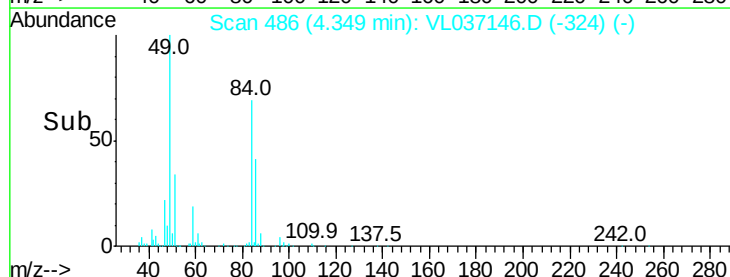
150000

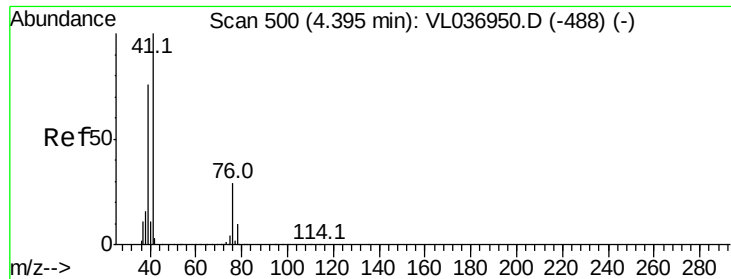
100000

50000

0

Time--> 4.30 4.35 4.40

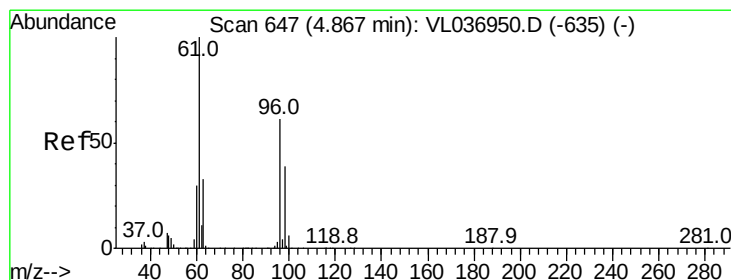
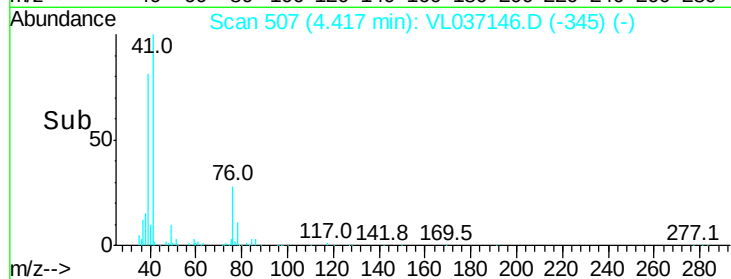
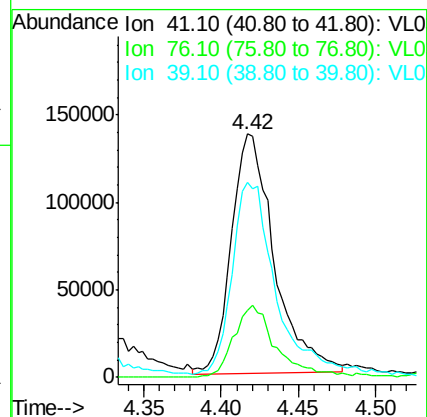
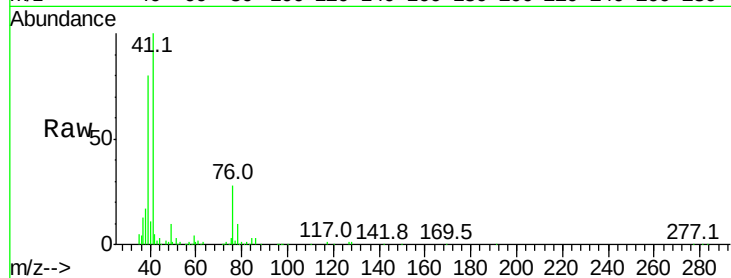




#21
 Allyl Chloride
 Concen: 2.180 ppbv
 RT: 4.42 min Scan# 507
 Delta R.T. 0.02 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

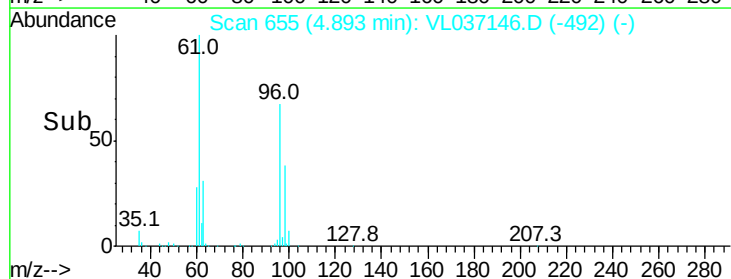
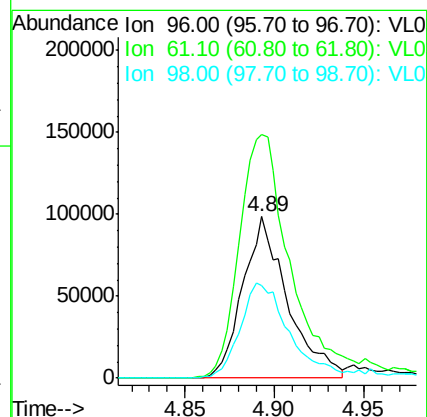
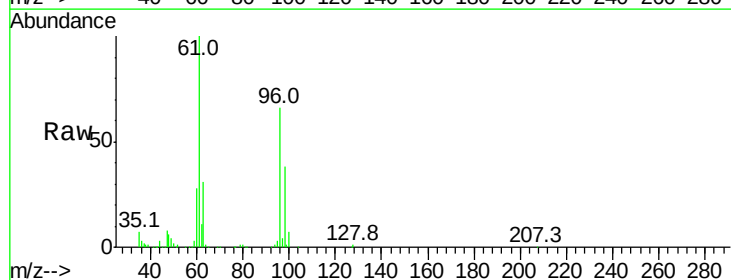
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

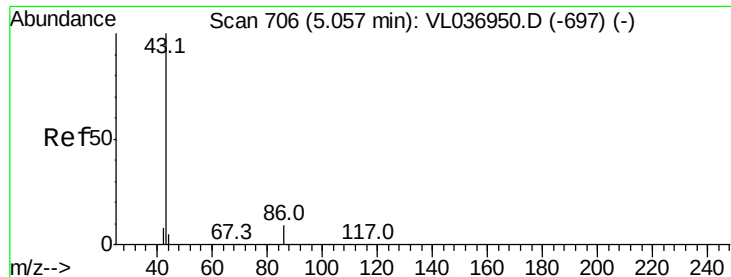
Tgt Ion: 41 Resp: 265401
 Ion Ratio Lower Upper
 41 100
 76 30.2 24.9 37.3
 39 84.1 63.7 95.5



#22
 trans-1,2-Dichloroethene
 Concen: 2.212 ppbv
 RT: 4.89 min Scan# 655
 Delta R.T. 0.03 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Tgt Ion: 96 Resp: 172791
 Ion Ratio Lower Upper
 96 100
 61 150.1 130.6 196.0
 98 56.8 50.8 76.2





#23

Vinyl Acetate

Concen: 1.988 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.02 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 509369

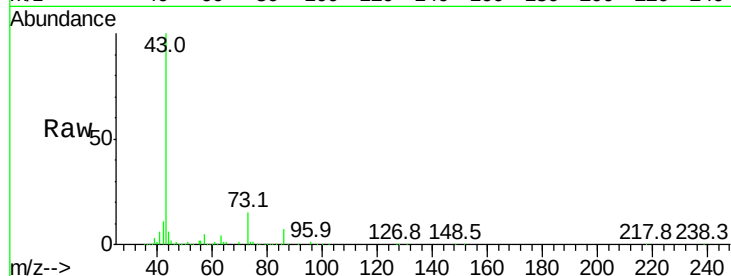
Ion Ratio Lower Upper

43 100

86 7.1 5.8 8.8

42 10.7 7.4 11.2

44 4.7 3.3 4.9

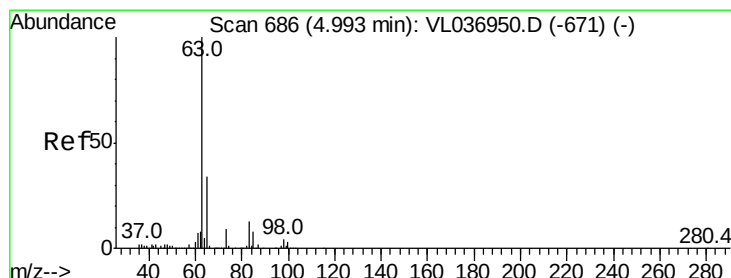
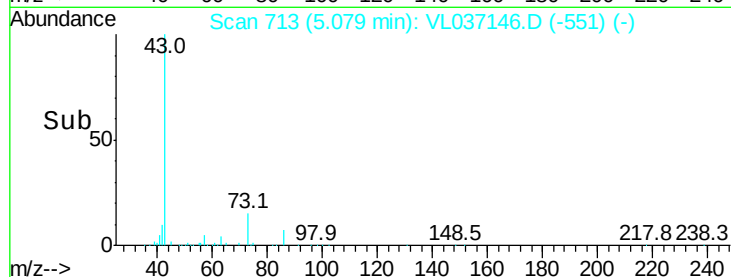
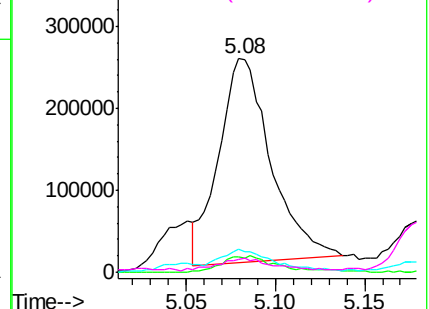


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.289 ppbv

RT: 5.02 min Scan# 694

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

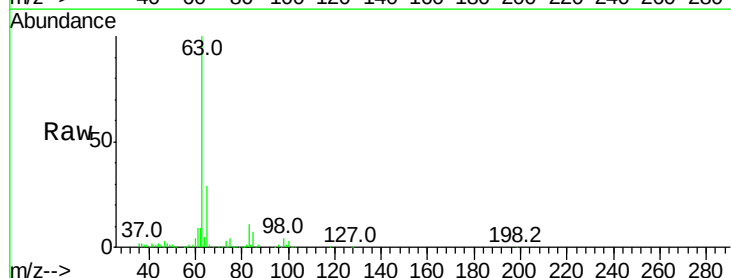
Tgt Ion: 63 Resp: 422131

Ion Ratio Lower Upper

63 100

98 3.8 2.3 6.9

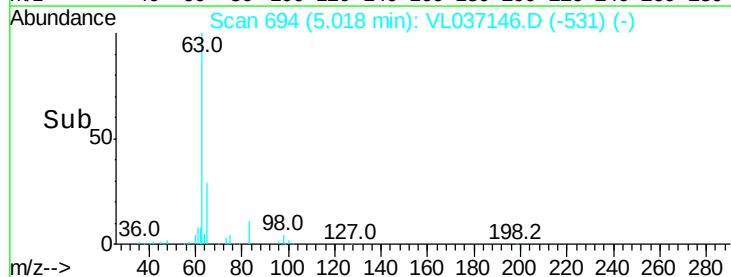
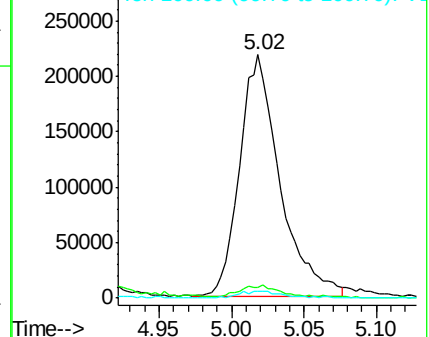
100 2.7 1.4 4.0

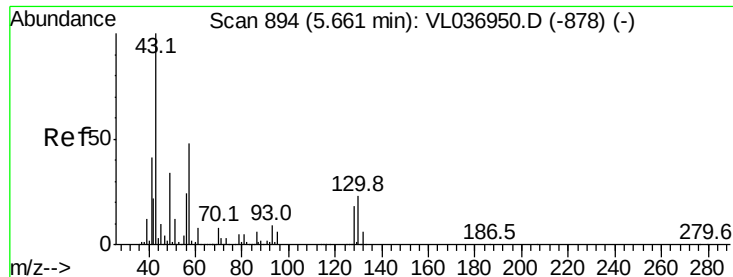


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

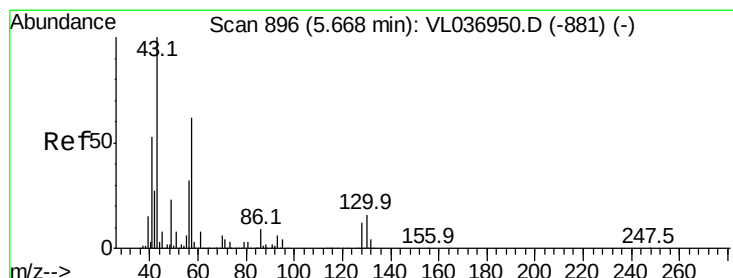
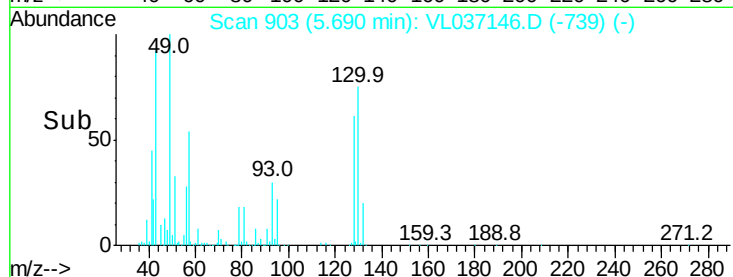
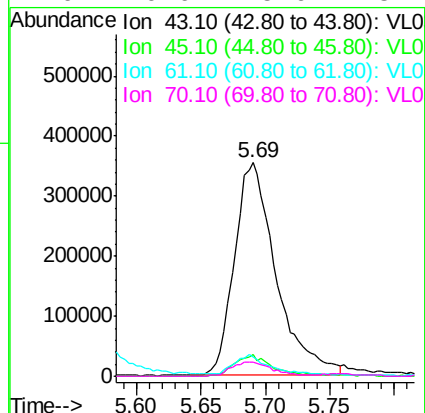
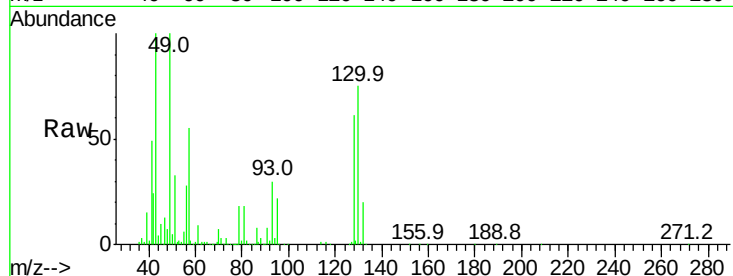




#25
Ethyl Acetate
Concen: 2.057 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.03 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

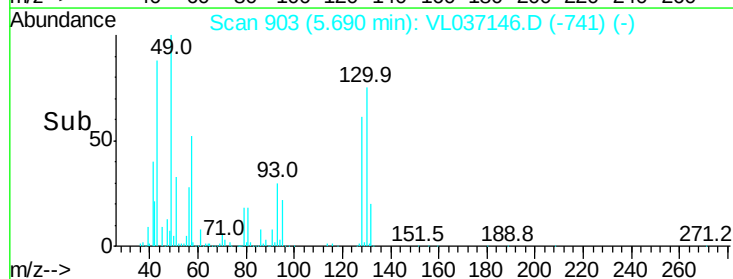
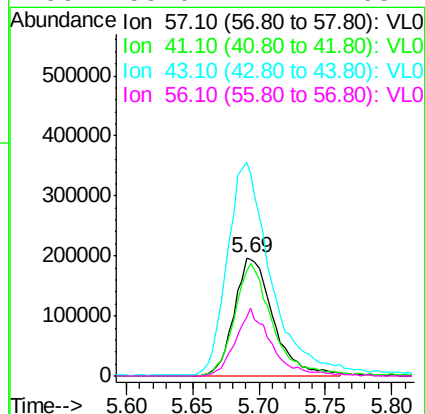
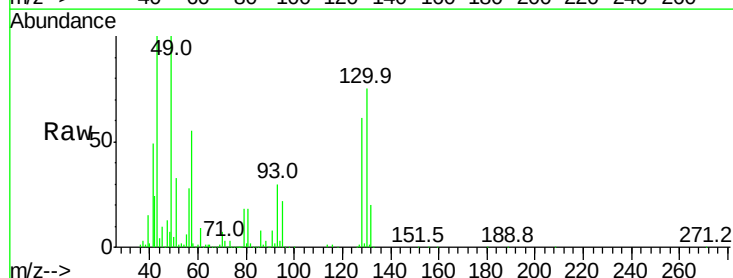
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

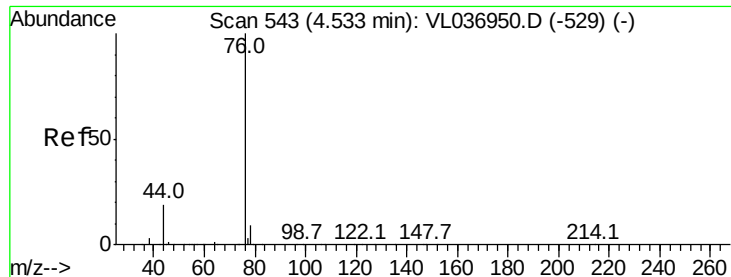
Tgt Ion:	43	Resp:	797646
Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	10.6	7.8	11.8
70	6.6	5.6	8.4



#26
Hexane
Concen: 2.032 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Tgt Ion:	57	Resp:	402582
Ion	Ratio	Lower	Upper
57	100		
41	93.5	70.5	105.7
43	208.1	165.8	248.8
56	53.0	42.2	63.4





#27

Carbon Disulfide

Concen: 1.944 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

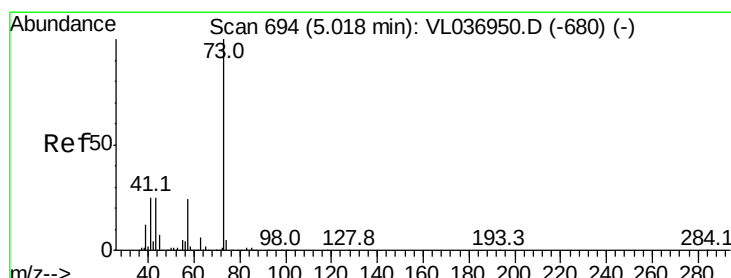
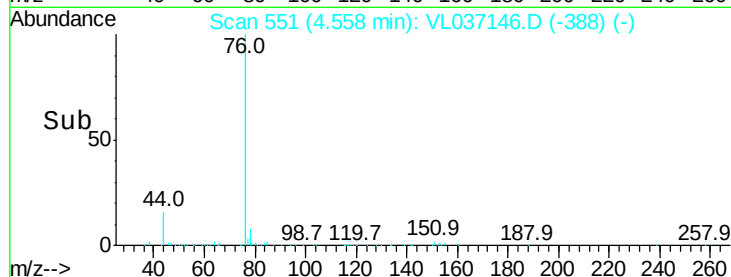
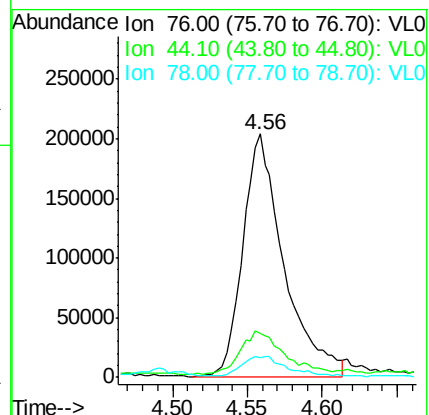
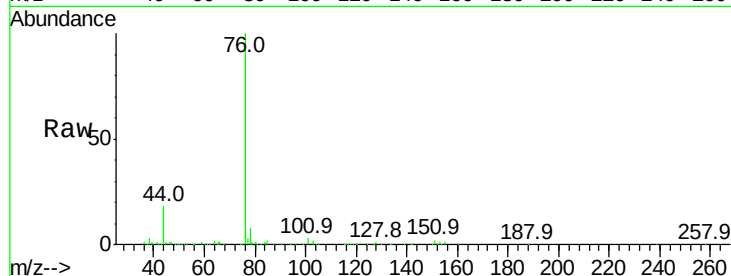
Tgt Ion: 76 Resp: 388114

Ion Ratio Lower Upper

76 100

44 20.1 15.5 23.3

78 10.3 7.8 11.6



#28

Methyl tert-Butyl Ether

Concen: 2.109 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.03 min

Lab File: VL037146.D

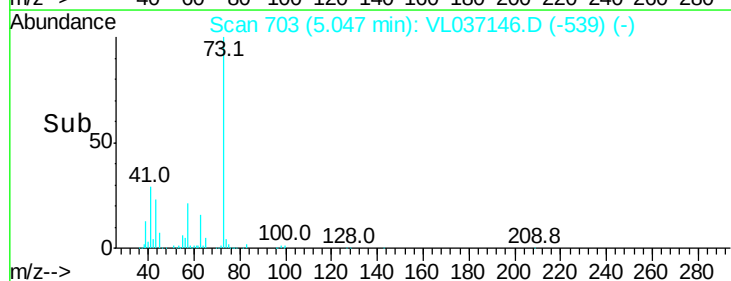
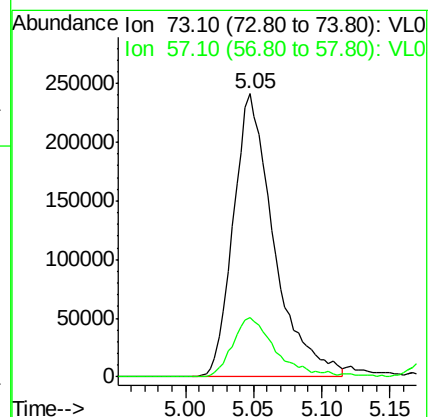
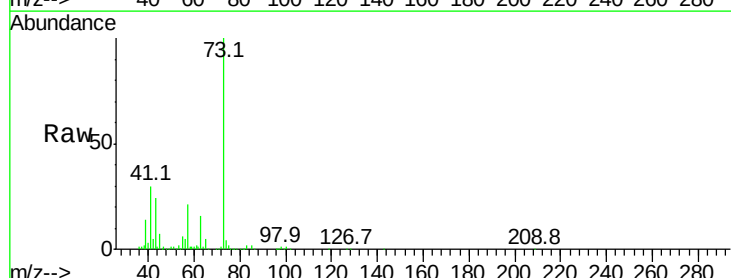
Acq: 14 Jun 2021 13:01

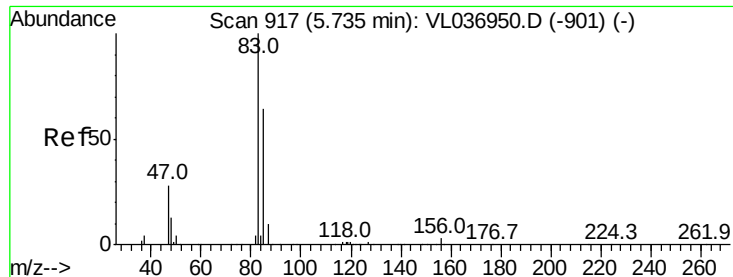
Tgt Ion: 73 Resp: 500839

Ion Ratio Lower Upper

73 100

57 22.6 18.3 27.5

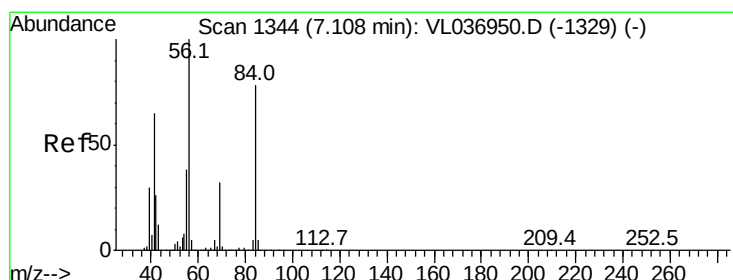
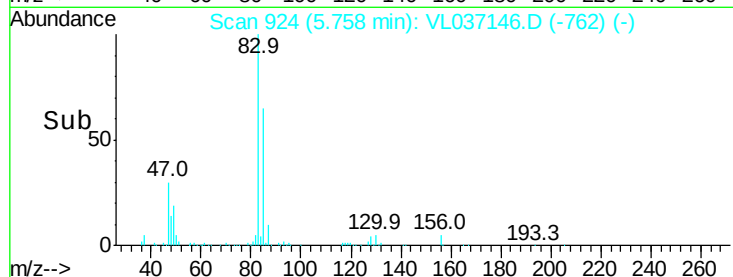
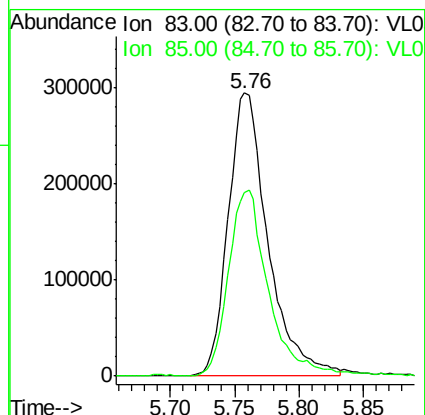
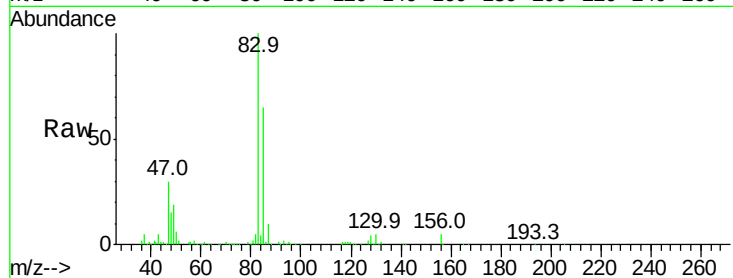




#29
Chloroform
Concen: 2.248 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.02 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

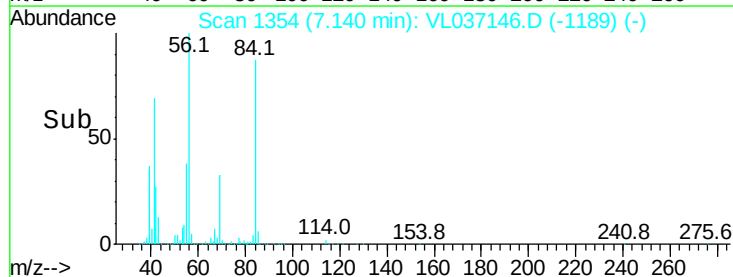
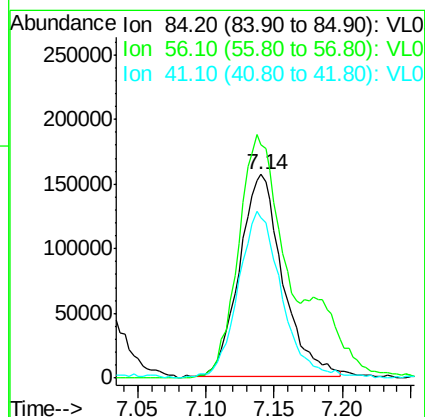
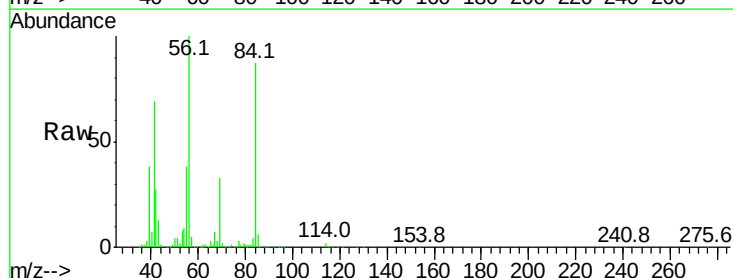
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

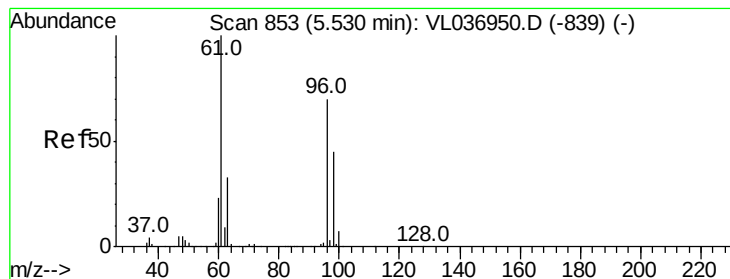
Tgt Ion: 83 Resp: 629285
Ion Ratio Lower Upper
83 100
85 64.6 51.1 76.7



#30
Cyclohexane
Concen: 2.062 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.03 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Tgt Ion: 84 Resp: 347160
Ion Ratio Lower Upper
84 100
56 153.3 107.9 161.9
41 81.8 65.5 98.3



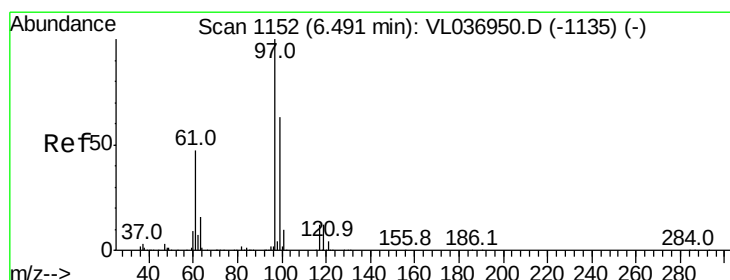
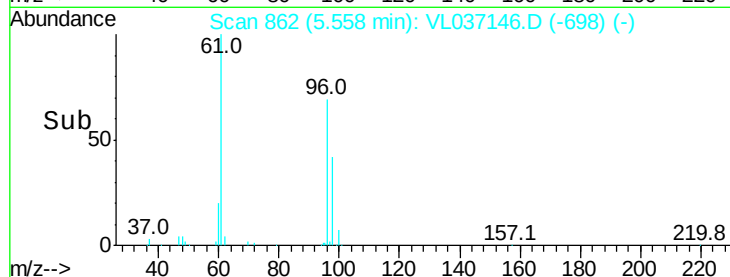
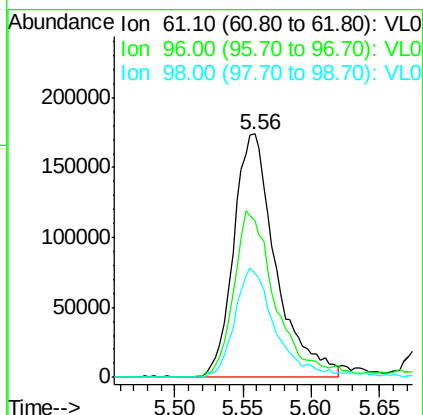
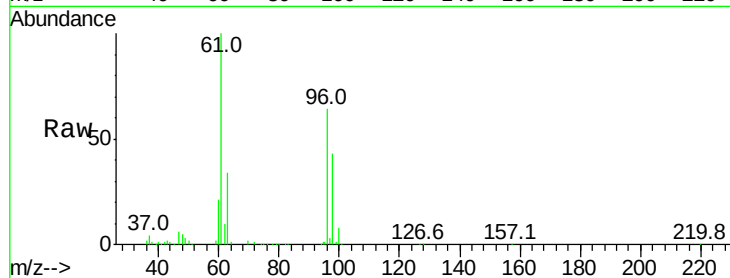


#31

cis-1,2-Dichloroethene
Concen: 2.107 ppbv
RT: 5.56 min Scan# 862
Delta R.T. 0.03 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

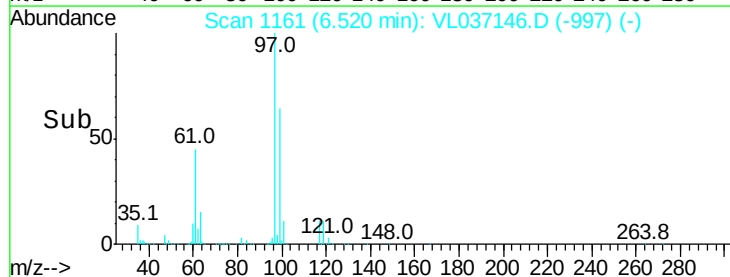
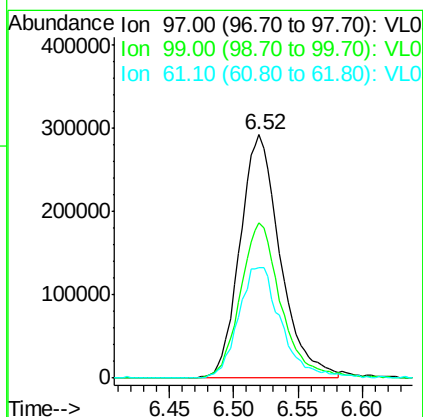
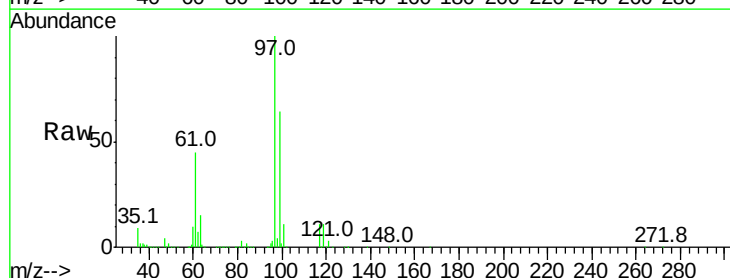
Tgt Ion:	61	Resp:	374180
Ion	Ratio	Lower	Upper
61	100		
96	63.9	55.9	83.9
98	42.7	35.6	53.4

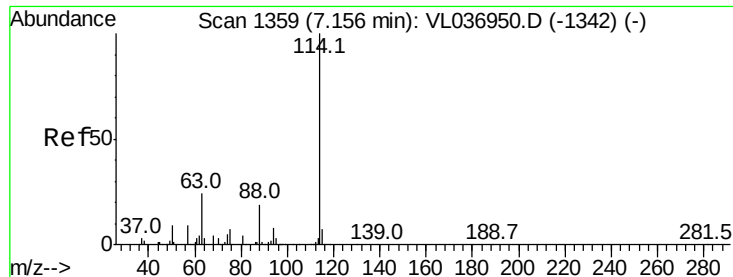


#32

1,1,1-Trichloroethane
Concen: 2.121 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. 0.03 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Tgt Ion:	97	Resp:	637355
Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.9	77.9
61	48.1	37.6	56.4

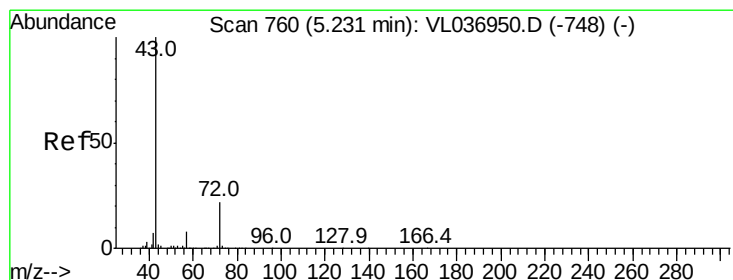
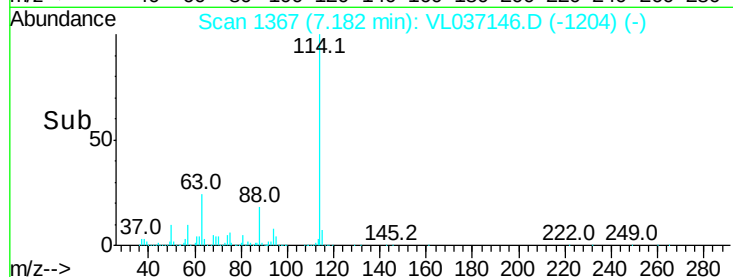
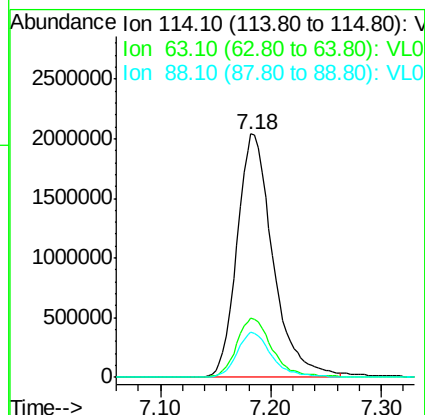
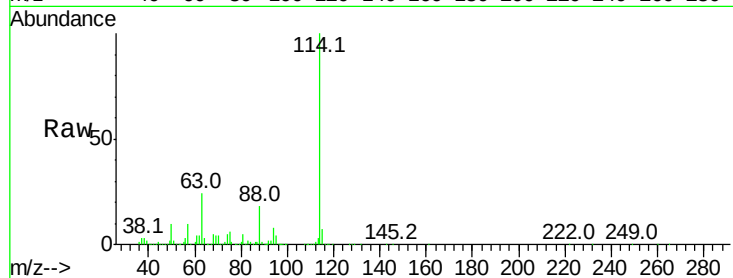




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.03 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

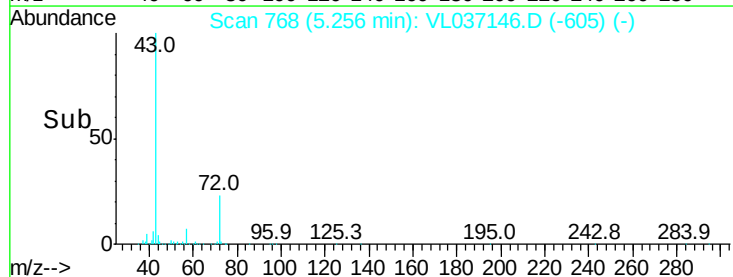
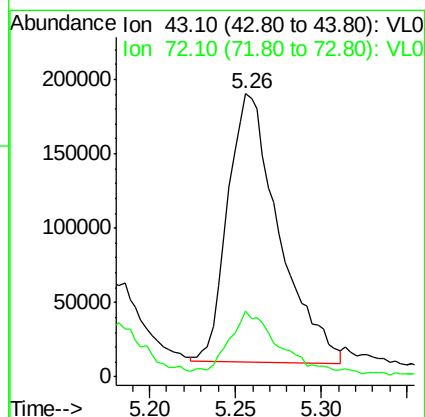
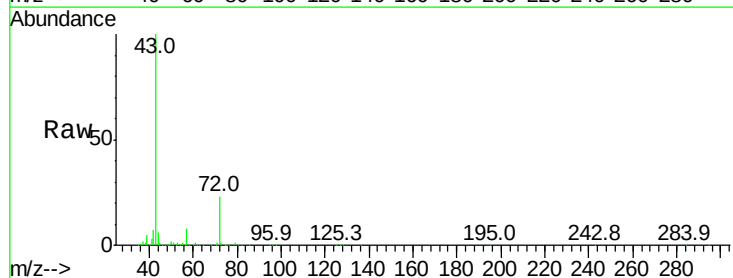
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

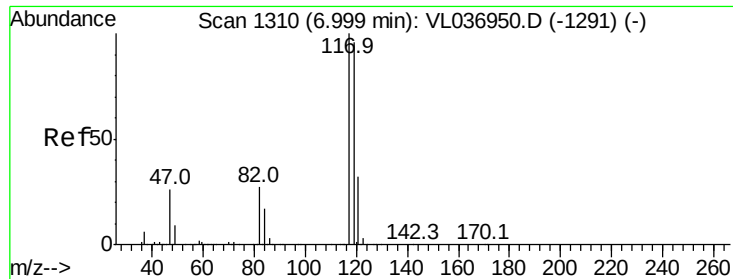
Tgt Ion:114 Resp: 4590487
 Ion Ratio Lower Upper
 114 100
 63 24.8 19.6 29.4
 88 18.0 14.6 21.8



#34
 2-Butanone
 Concen: 2.236 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.03 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Tgt Ion: 43 Resp: 373682
 Ion Ratio Lower Upper
 43 100
 72 28.0 19.0 28.4





#35

Carbon Tetrachloride

Concen: 2.190 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

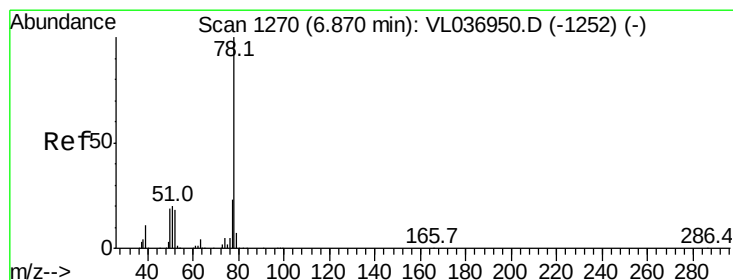
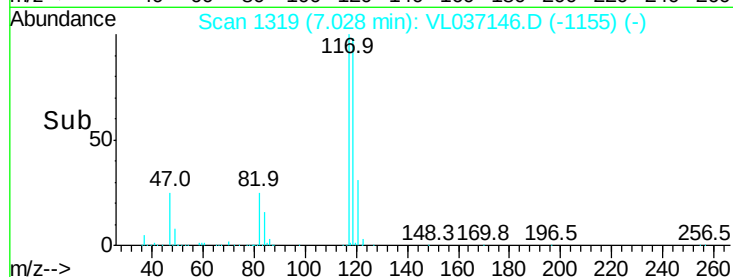
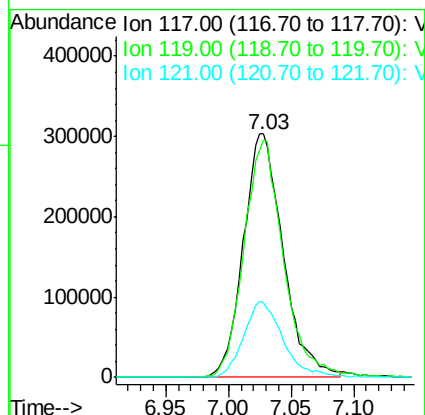
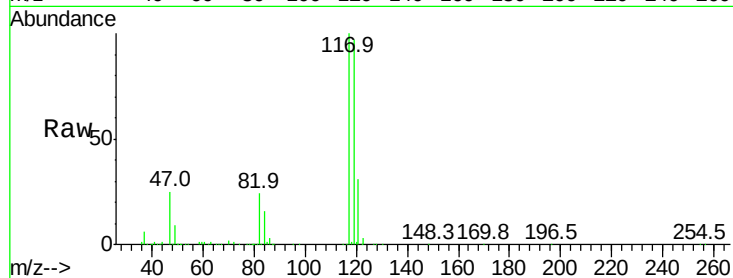
Tgt Ion:117 Resp: 668103

Ion Ratio Lower Upper

117 100

119 97.3 76.6 114.8

121 30.5 25.8 38.6



#36

Benzene

Concen: 2.024 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

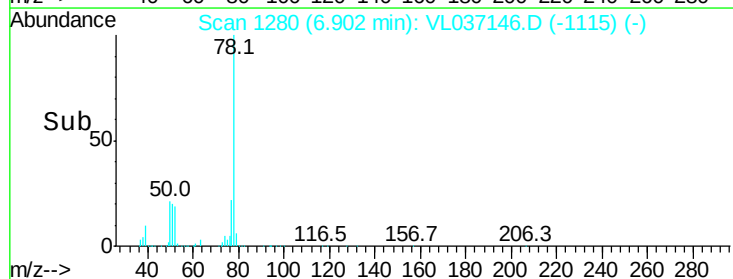
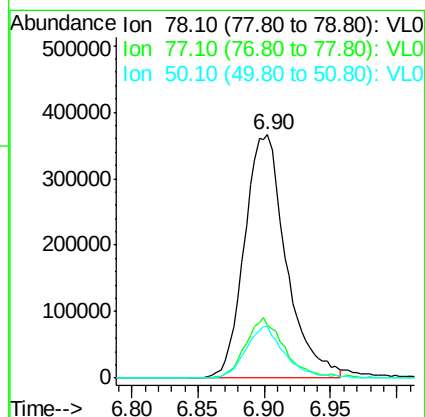
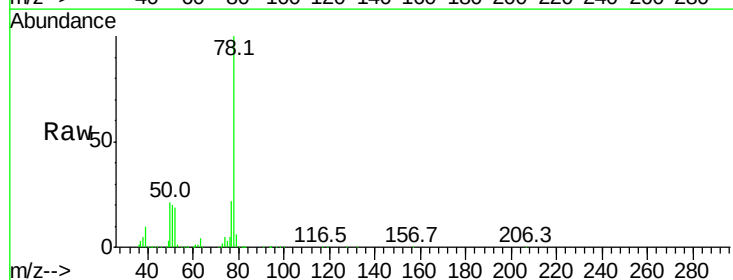
Tgt Ion: 78 Resp: 800301

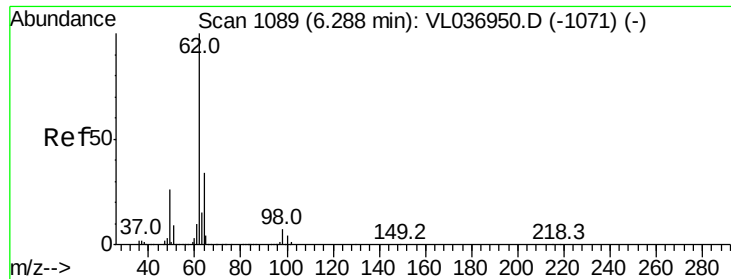
Ion Ratio Lower Upper

78 100

77 21.4 18.6 28.0

50 21.0 15.0 22.4

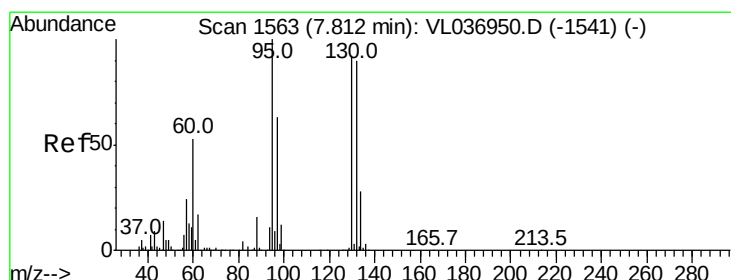
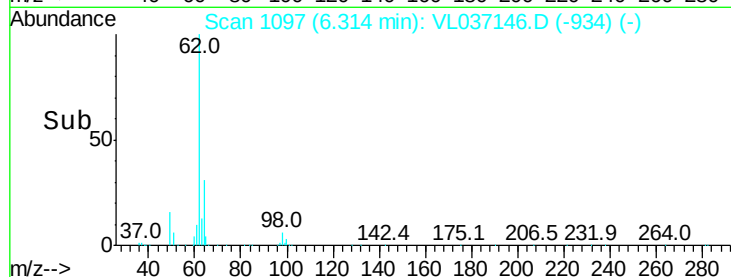
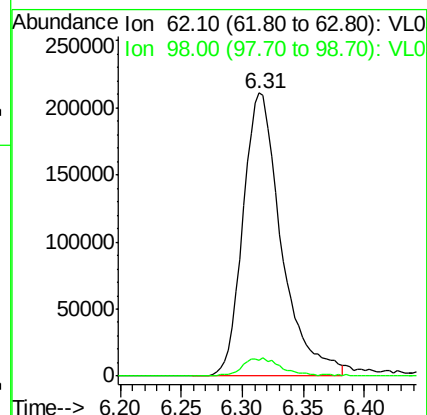
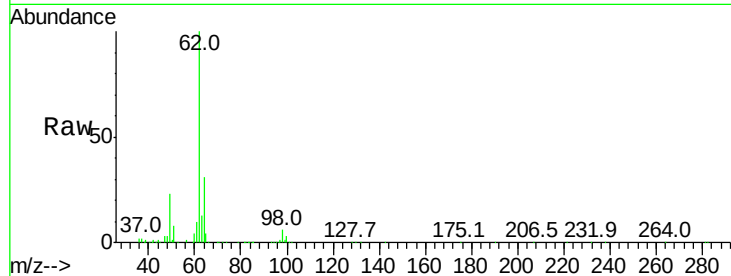




#37
 1,2-Dichloroethane
 Concen: 2.339 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.03 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

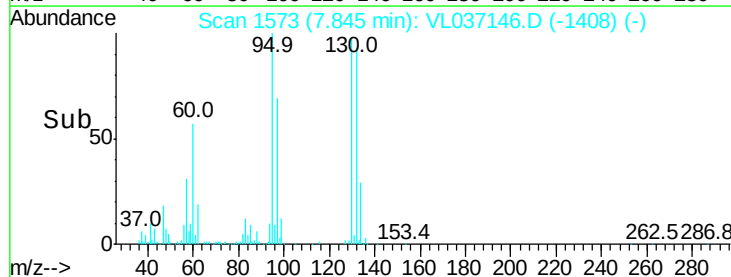
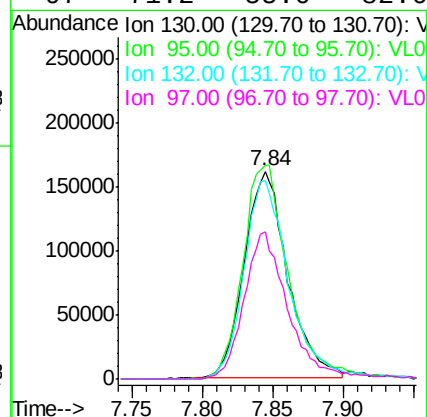
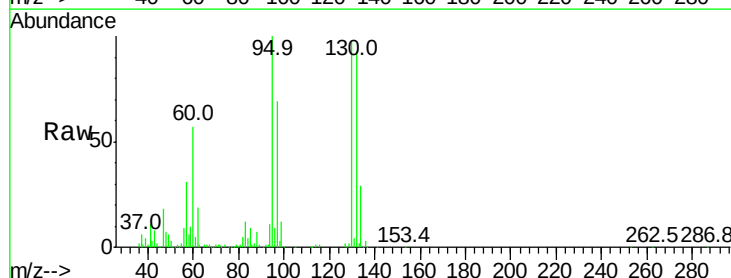
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

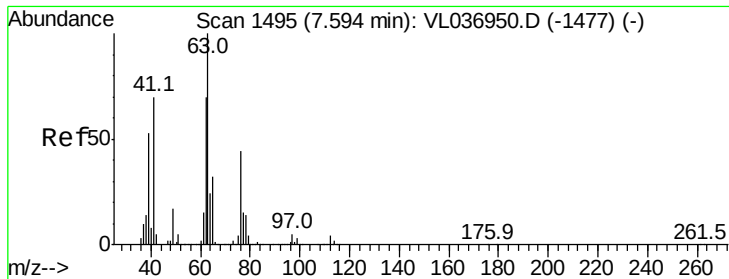
Tgt Ion: 62 Resp: 458594
 Ion Ratio Lower Upper
 62 100
 98 6.8 5.5 8.3



#38
 Trichloroethene
 Concen: 2.072 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.03 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Tgt Ion: 130 Resp: 350445
 Ion Ratio Lower Upper
 130 100
 95 103.0 86.9 130.3
 132 96.2 78.4 117.6
 97 71.2 55.0 82.6

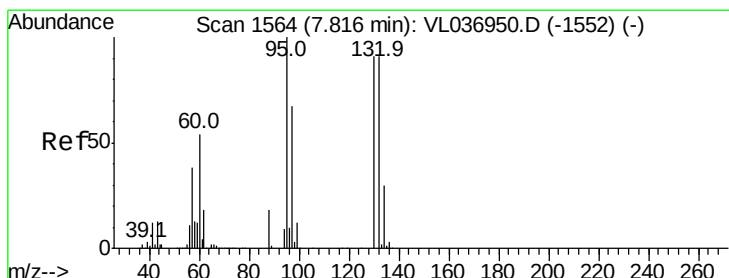
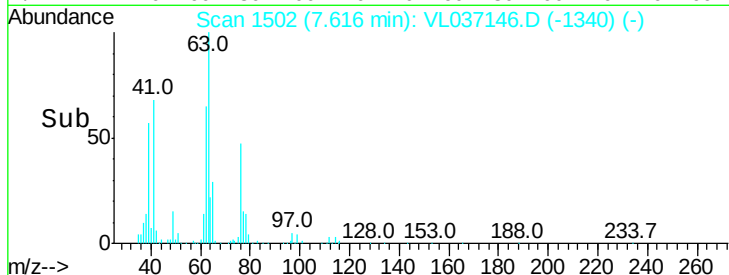
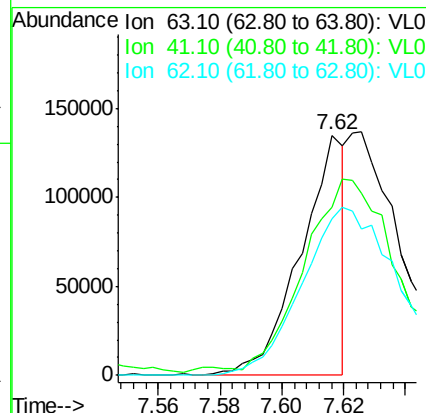
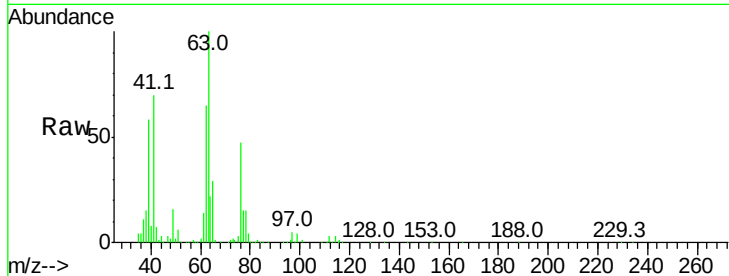




#39
 1,2-Dichloropropane
 Concen: 0.860 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. 0.02 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

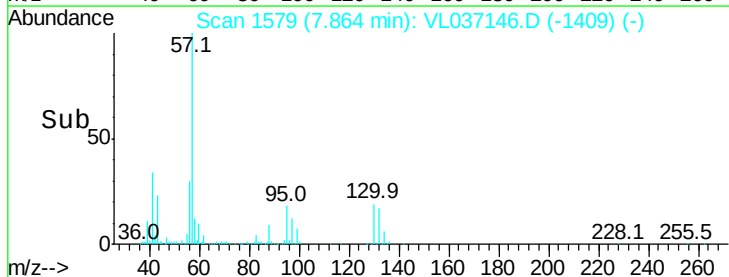
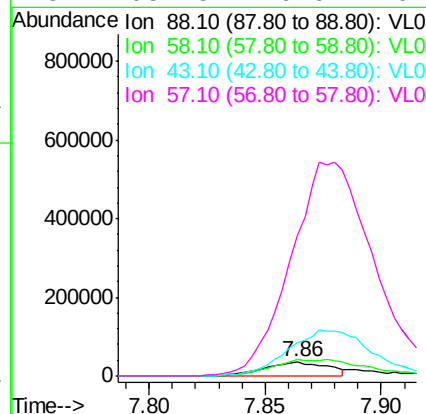
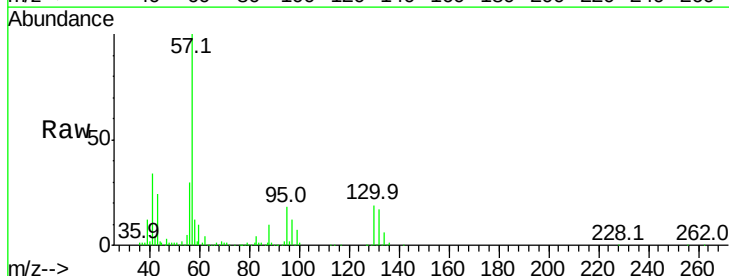
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

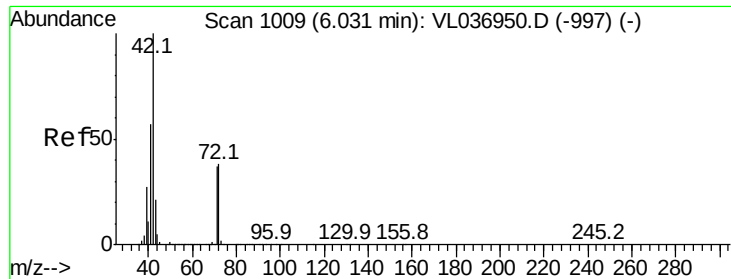
Tgt Ion: 63 Resp: 130944
 Ion Ratio Lower Upper
 63 100
 41 67.8 55.7 83.5
 62 64.9 56.2 84.4



#40
 1,4-Dioxane
 Concen: 1.846 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T. 0.05 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Tgt Ion: 88 Resp: 66397
 Ion Ratio Lower Upper
 88 100
 58 193.3 0.0 0.0#
 43 461.9 0.0 0.0#
 57 2082.3 0.0 0.0#

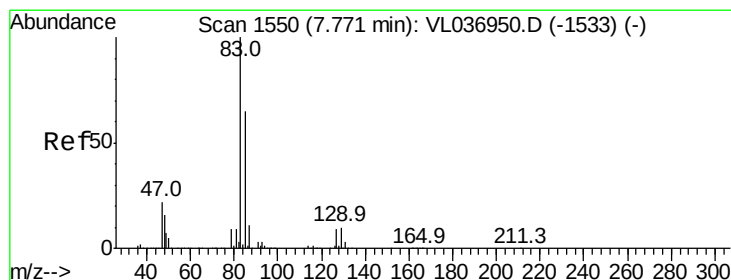
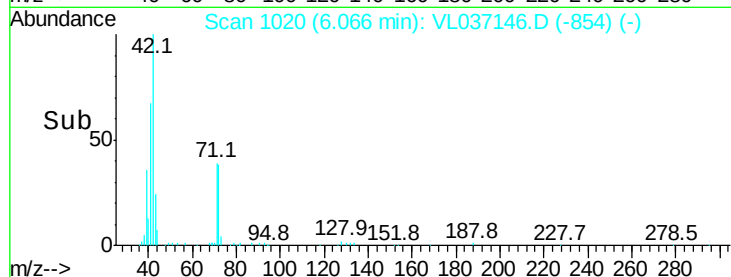
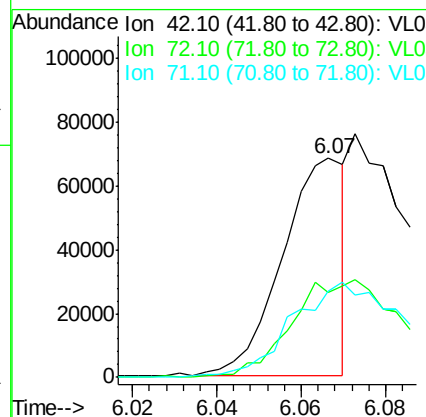
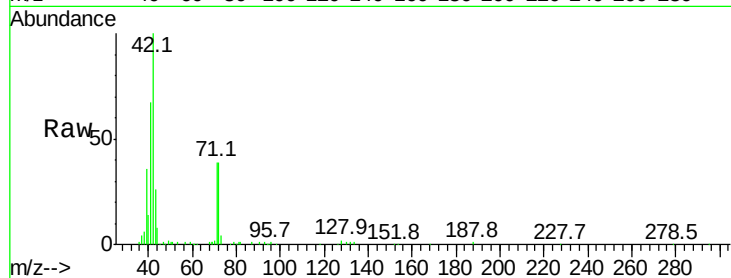




#41
Tetrahydrofuran
Concen: 0.733 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.04 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

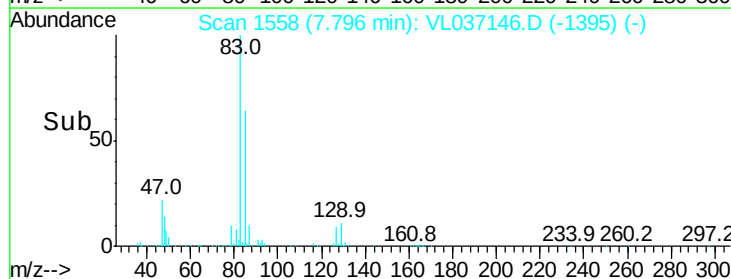
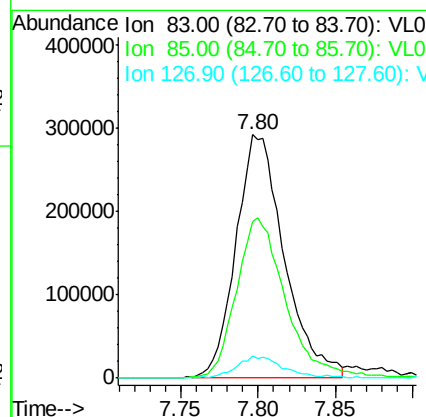
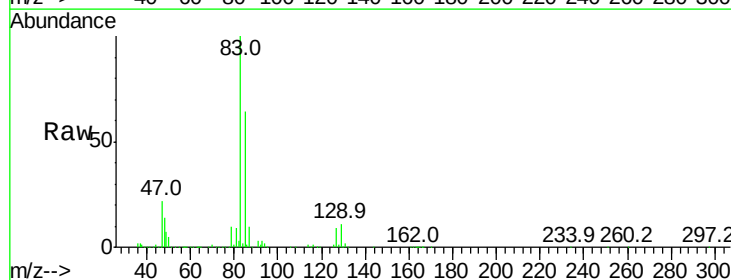
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

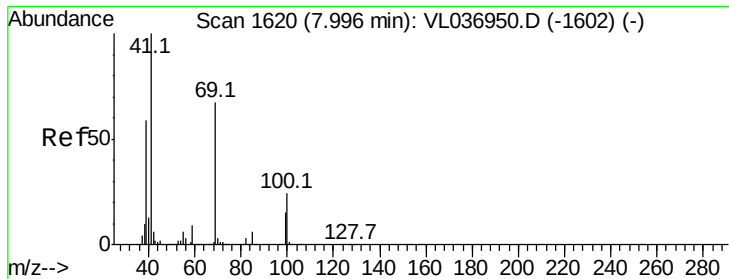
Tgt Ion: 42 Resp: 69776
Ion Ratio Lower Upper
42 100
72 0.0 31.4 47.2#
71 0.0 30.4 45.6#



#42
Bromodichloromethane
Concen: 2.116 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. 0.03 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Tgt Ion: 83 Resp: 627632
Ion Ratio Lower Upper
83 100
85 64.2 51.7 77.5
127 9.0 6.9 10.3

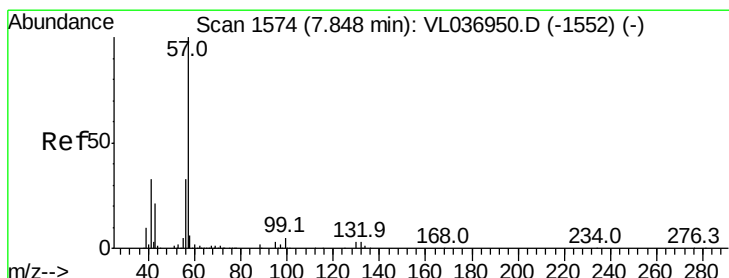
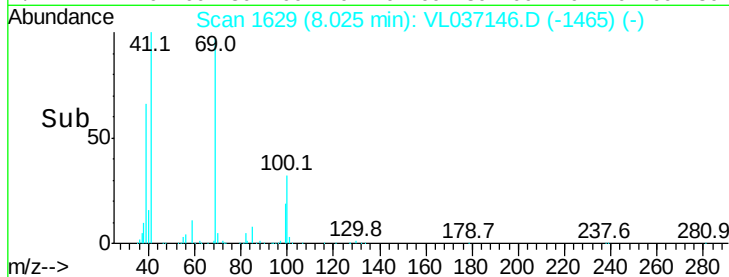
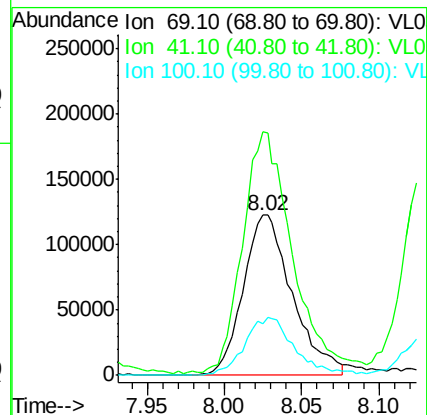
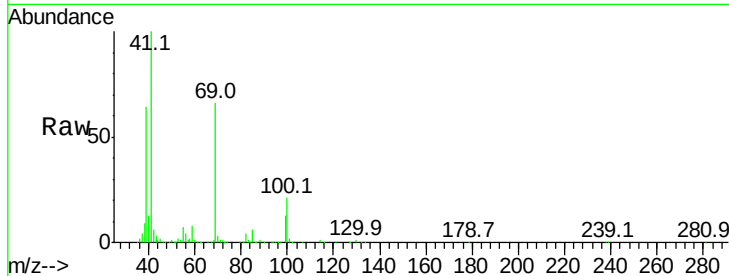




#43
Methyl Methacrylate
Concen: 1.990 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.03 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

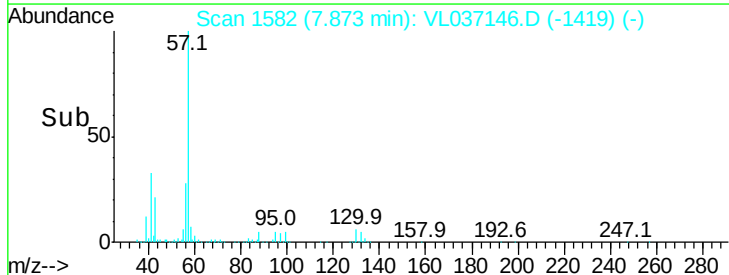
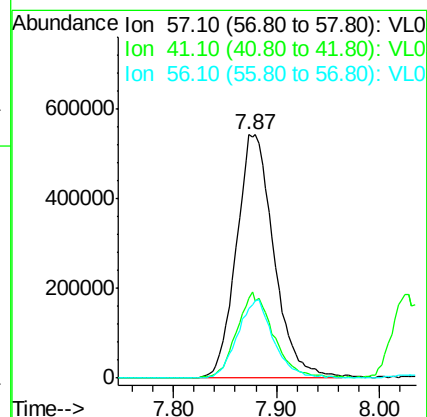
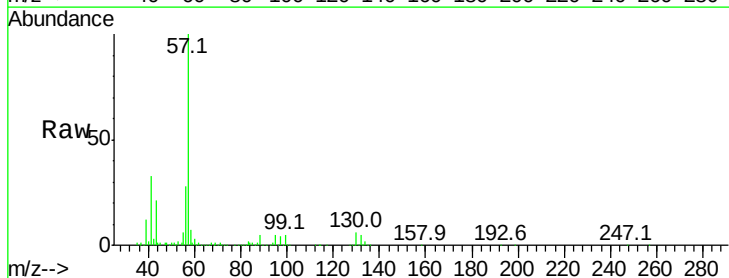
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

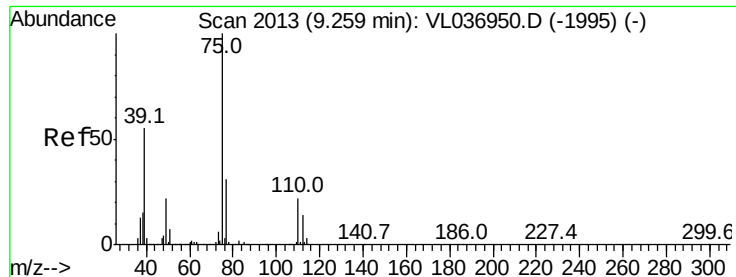
Tgt Ion: 69 Resp: 271250
Ion Ratio Lower Upper
69 100
41 155.2 118.6 178.0
100 36.9 28.2 42.4



#44
2,2,4-Trimethylpentane
Concen: 2.026 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.03 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Tgt Ion: 57 Resp: 1374369
Ion Ratio Lower Upper
57 100
41 34.2 27.0 40.4
56 31.0 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 2.240 ppbv

RT: 9.29 min Scan# 2022

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

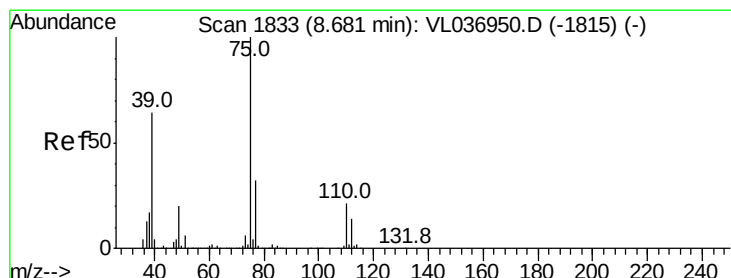
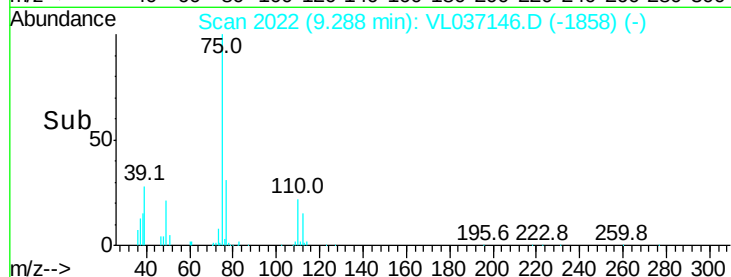
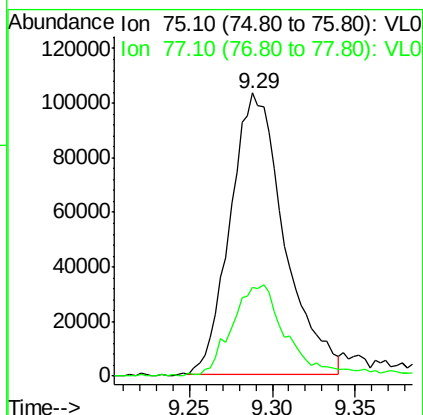
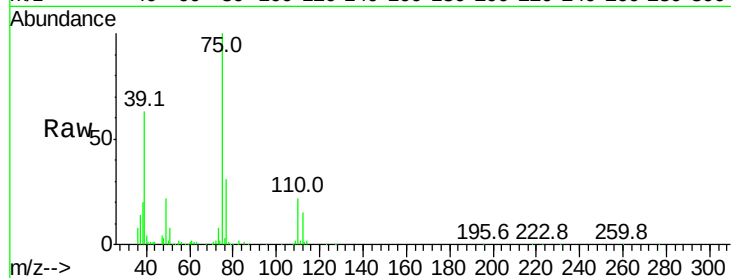
VSTDIC002

Tgt Ion: 75 Resp: 233241

Ion Ratio Lower Upper

75 100

77 31.5 24.4 36.6



#46

cis-1,3-Dichloropropene

Concen: 2.302 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.04 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

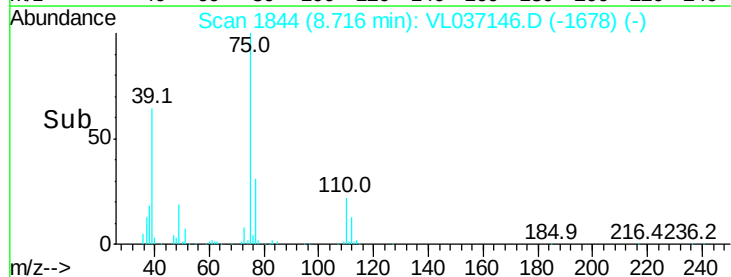
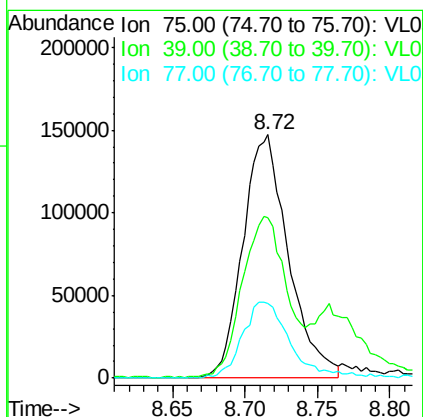
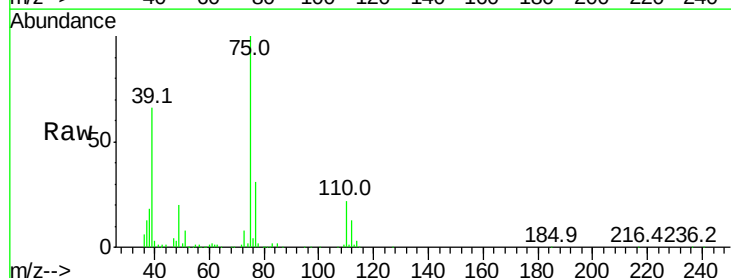
Tgt Ion: 75 Resp: 322396

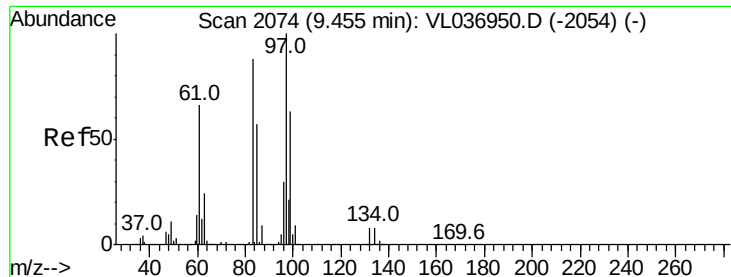
Ion Ratio Lower Upper

75 100

39 64.9 51.5 77.3

77 30.8 25.9 38.9

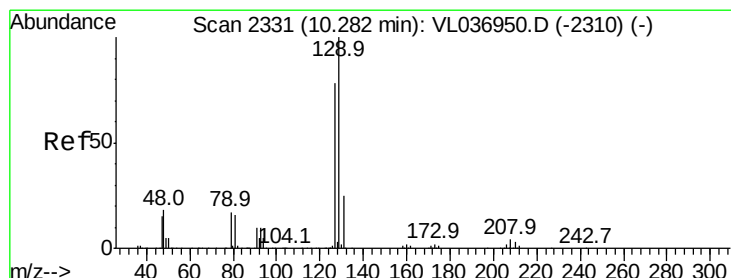
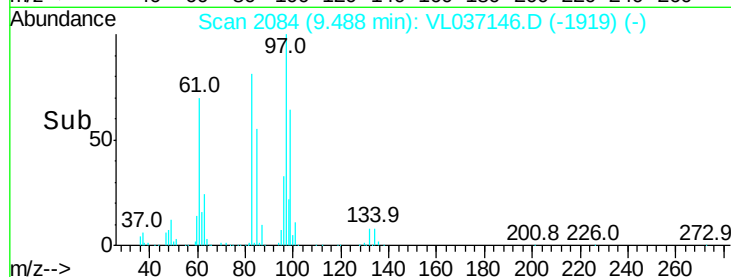
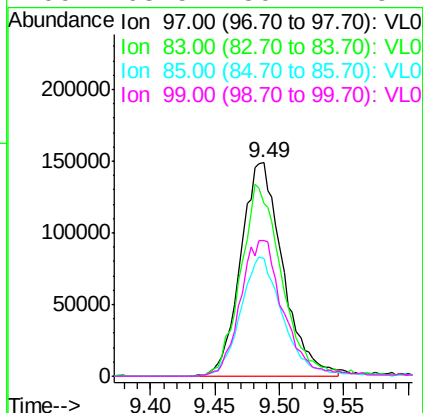
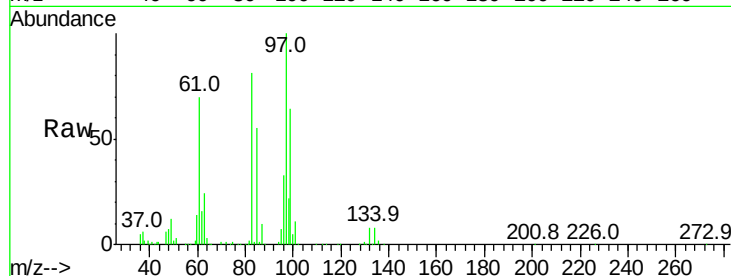




#47
 1,1,2-Trichloroethane
 Concen: 2.119 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. 0.03 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

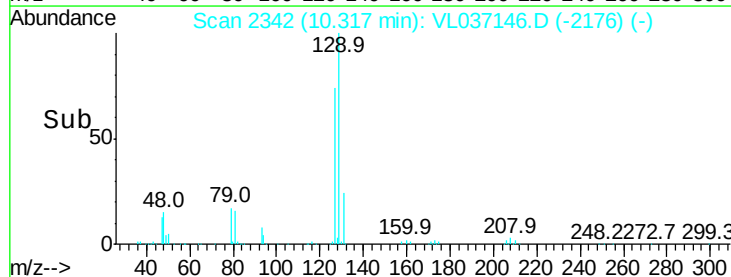
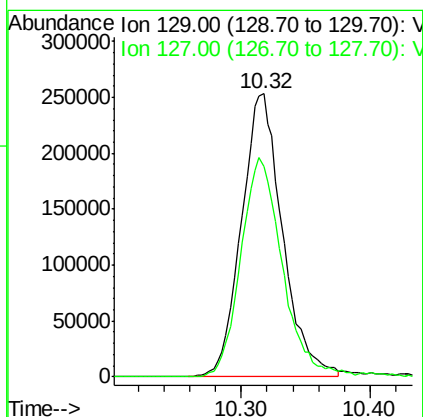
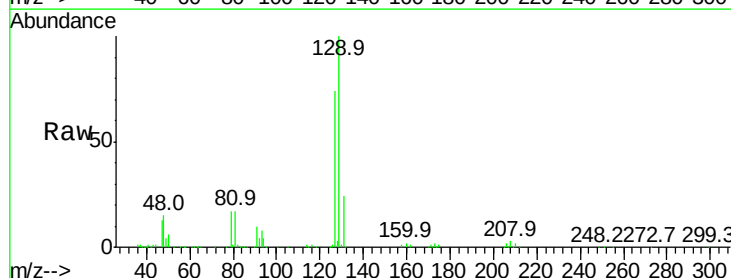
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

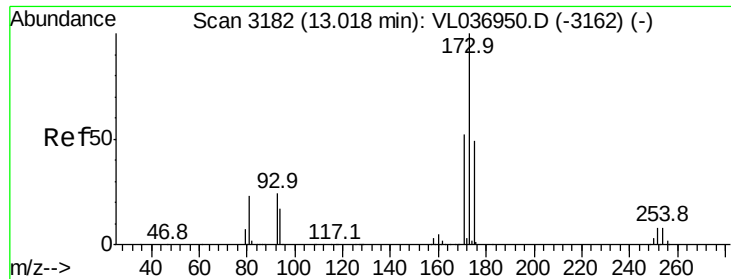
Tgt Ion: 97 Resp: 337739
 Ion Ratio Lower Upper
 97 100
 83 80.9 70.4 105.6
 85 55.3 45.5 68.3
 99 63.5 50.2 75.2



#48
 Dibromochloromethane
 Concen: 2.174 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.04 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Tgt Ion: 129 Resp: 561069
 Ion Ratio Lower Upper
 129 100
 127 79.3 39.3 117.8





#49

Bromoform

Concen: 2.036 ppbv

RT: 13.05 min Scan# 3192

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

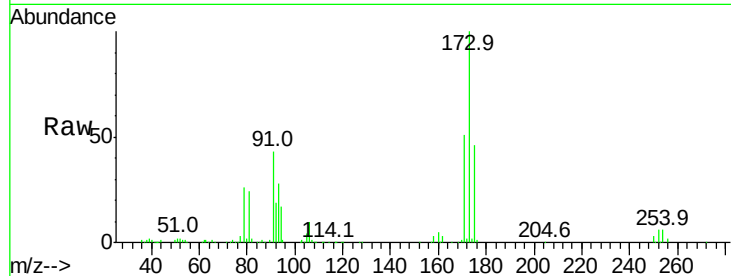
Tgt Ion:173 Resp: 433978

Ion Ratio Lower Upper

173 100

175 50.7 40.4 60.6

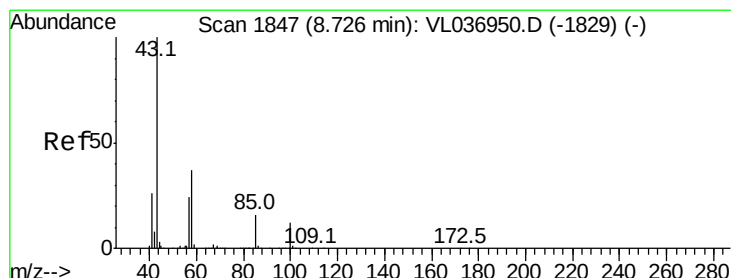
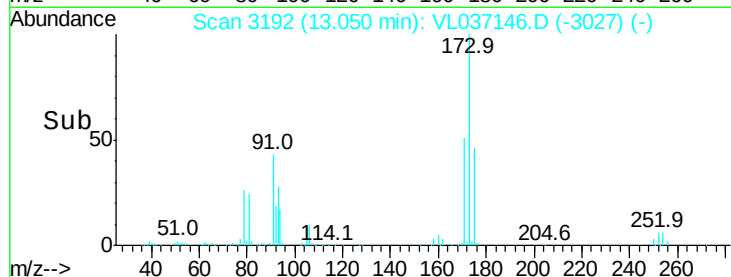
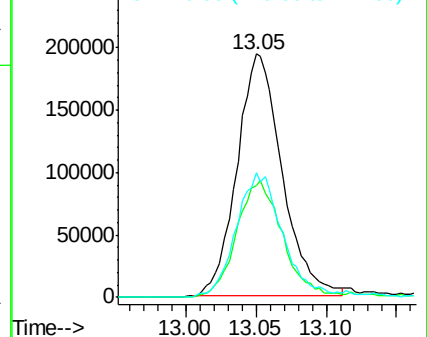
171 54.6 42.6 64.0



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: 1.972 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.04 min

Lab File: VL037146.D

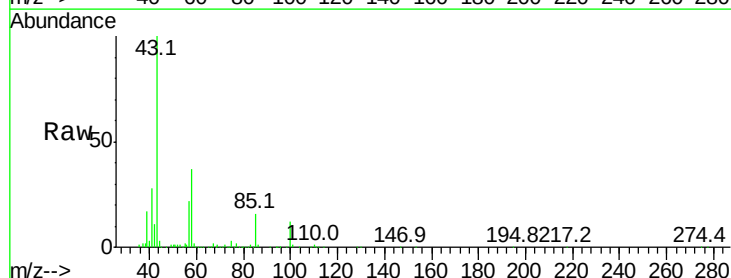
Acq: 14 Jun 2021 13:01

Tgt Ion: 43 Resp: 543862

Ion Ratio Lower Upper

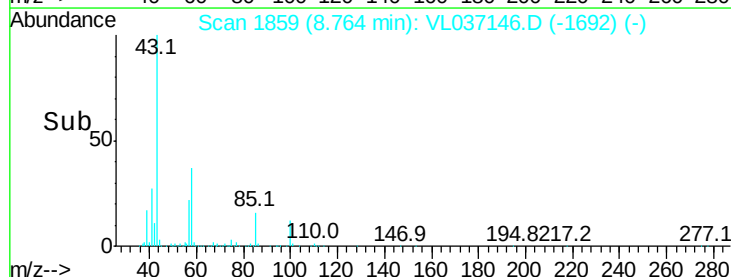
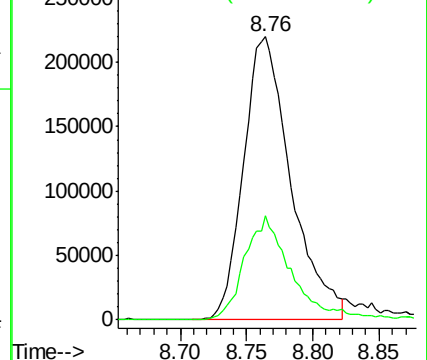
43 100

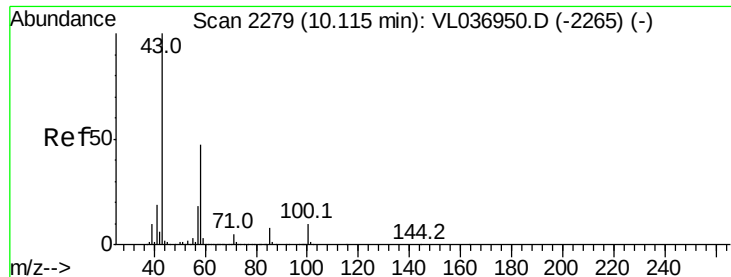
58 37.5 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 1.791 ppbv

RT: 10.16 min Scan# 2294

Delta R.T. 0.05 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

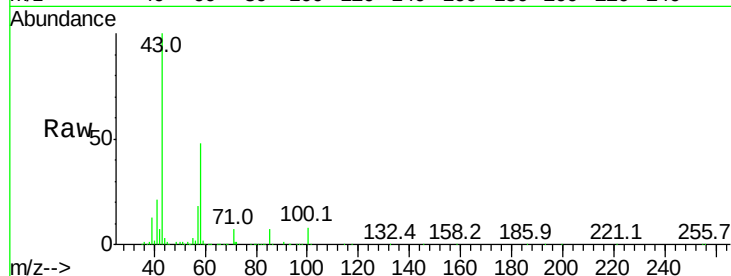
Tgt Ion: 43 Resp: 261203

Ion Ratio Lower Upper

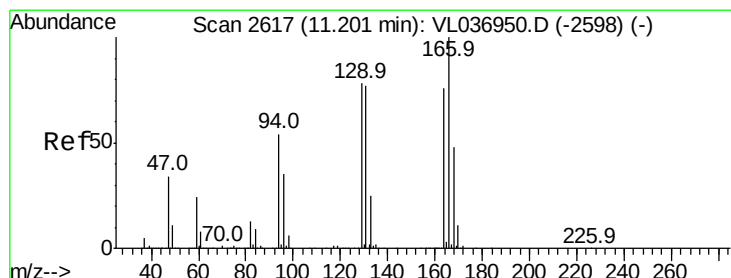
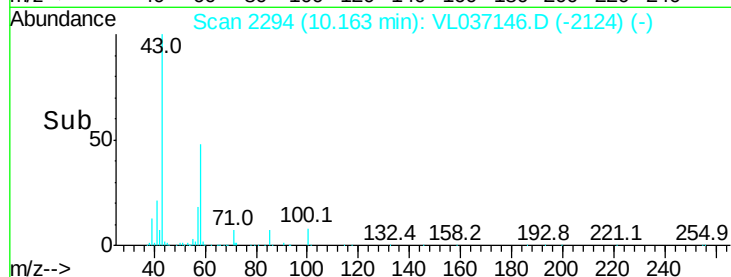
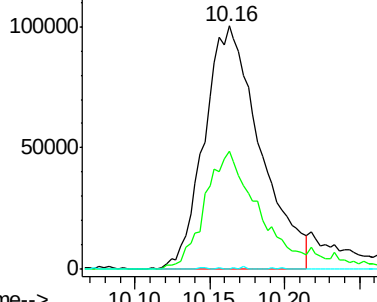
43 100

58 51.4 41.1 61.7

98 0.7 0.1 0.1#



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: 2.183 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Tgt Ion: 164 Resp: 343270

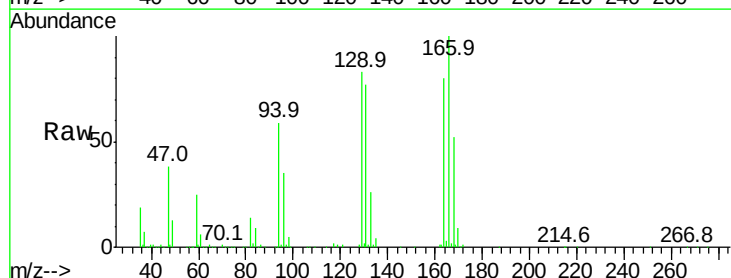
Ion Ratio Lower Upper

164 100

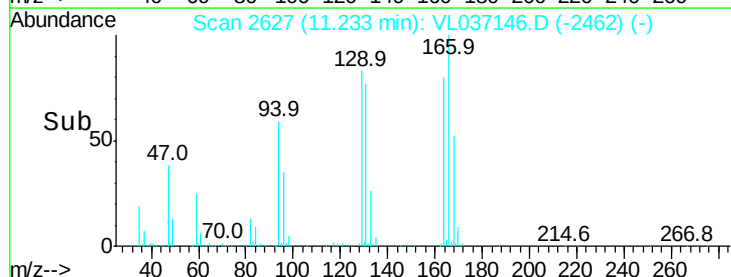
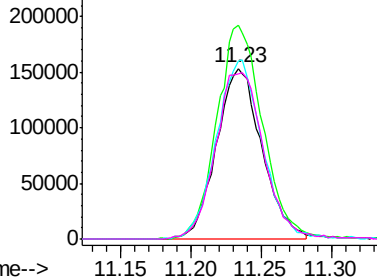
166 125.3 105.5 158.3

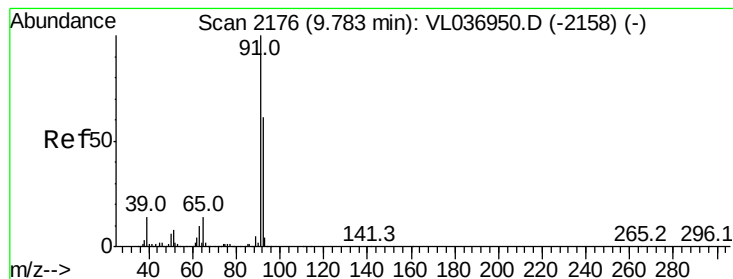
129 104.3 81.8 122.8

131 96.9 81.2 121.8



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: 2.062 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

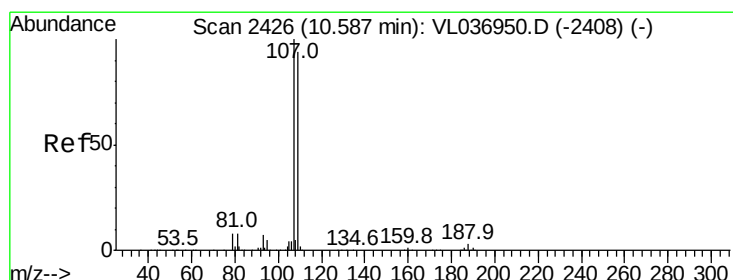
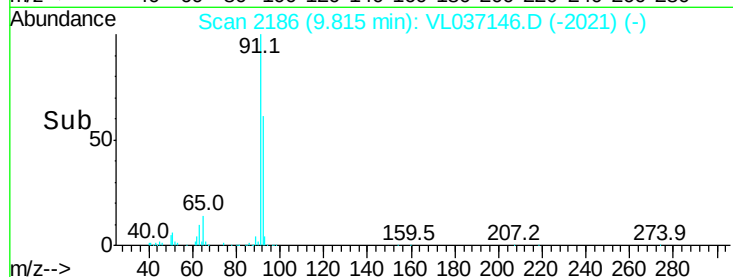
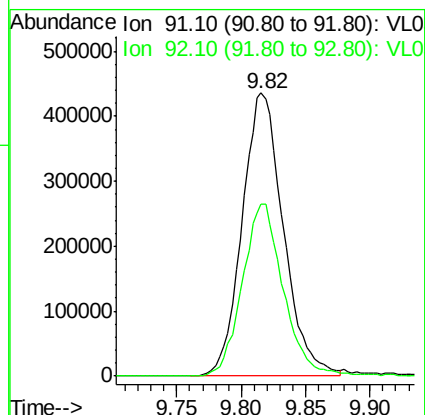
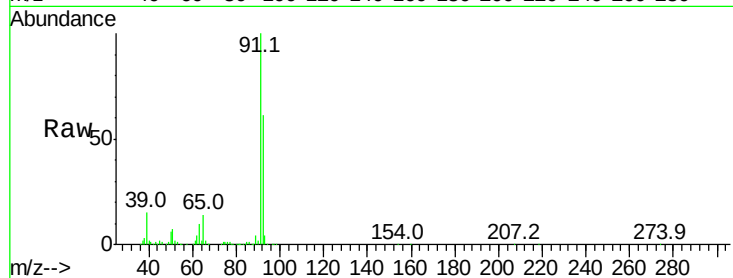
VSTDIC002

Tgt Ion: 91 Resp: 970263

Ion Ratio Lower Upper

91 100

92 61.0 49.5 74.3



#54

1,2-Dibromoethane

Concen: 2.178 ppbv

RT: 10.62 min Scan# 2437

Delta R.T. 0.04 min

Lab File: VL037146.D

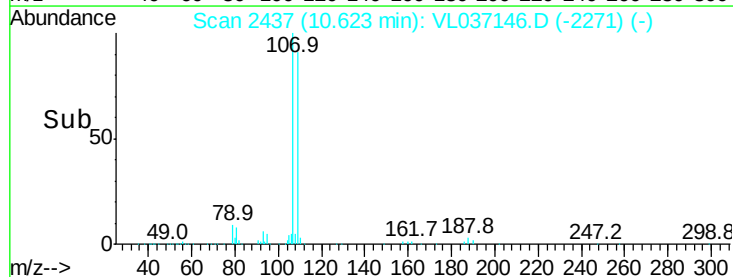
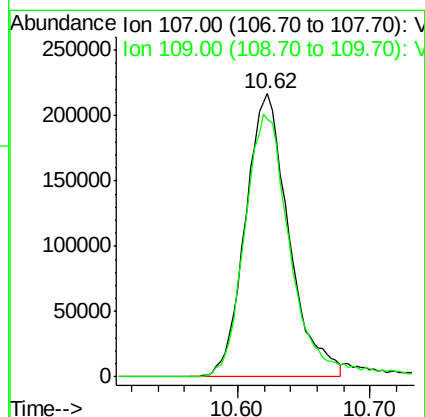
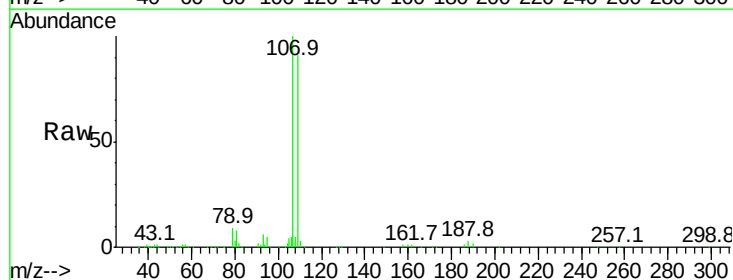
Acq: 14 Jun 2021 13:01

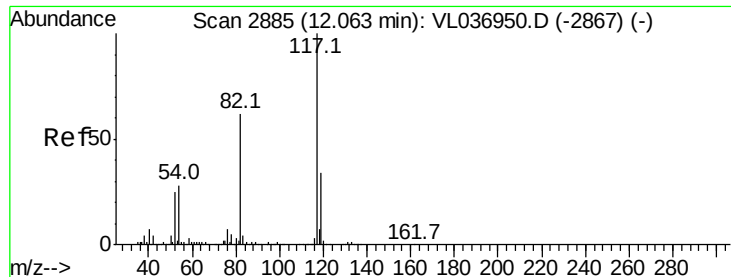
Tgt Ion: 107 Resp: 493744

Ion Ratio Lower Upper

107 100

109 91.1 75.0 112.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

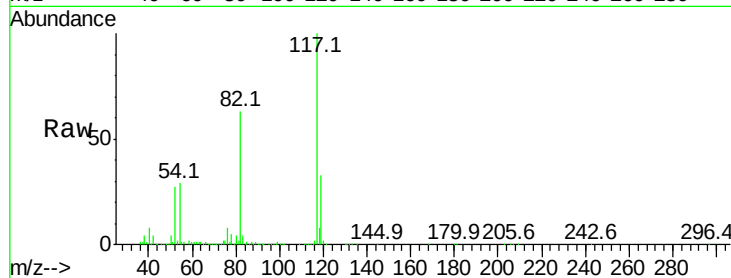
Tgt Ion:117 Resp: 4398387

Ion Ratio Lower Upper

117 100

82 59.7 52.6 79.0

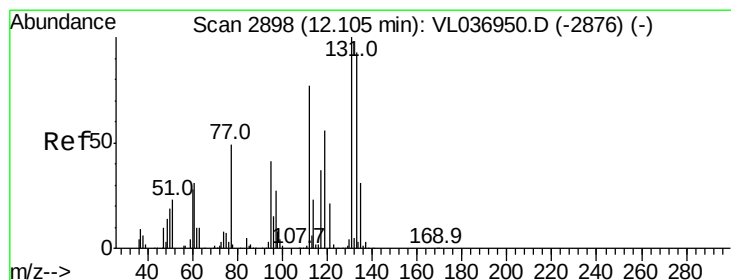
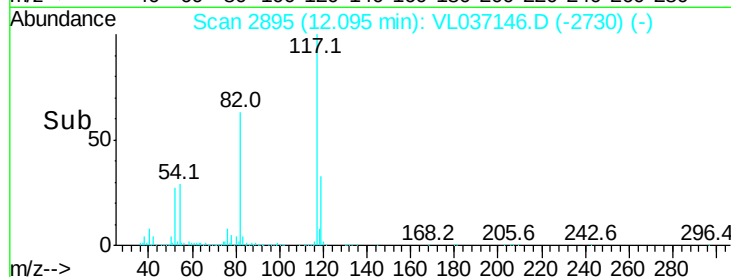
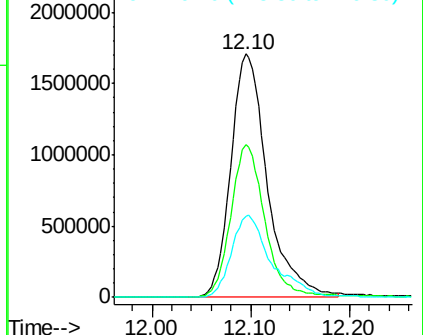
119 37.5 46.6 70.0#



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: 2.227 ppbv

RT: 12.14 min Scan# 2908

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

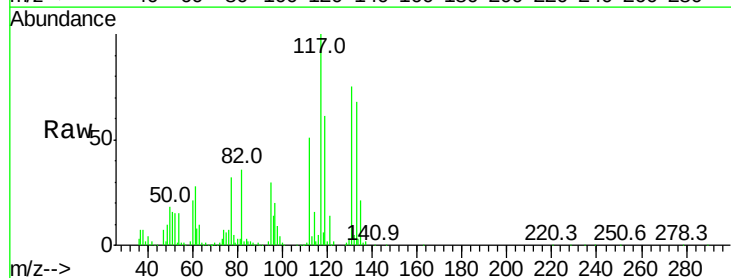
Tgt Ion:131 Resp: 412160

Ion Ratio Lower Upper

131 100

133 96.1 76.9 115.3

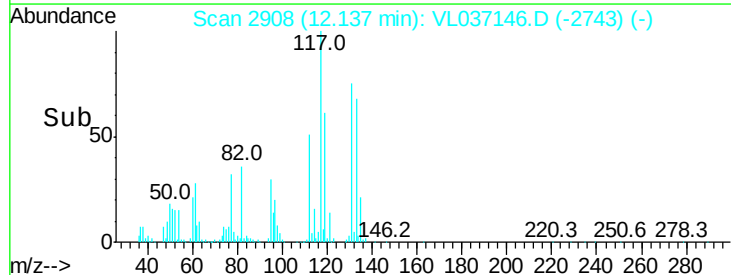
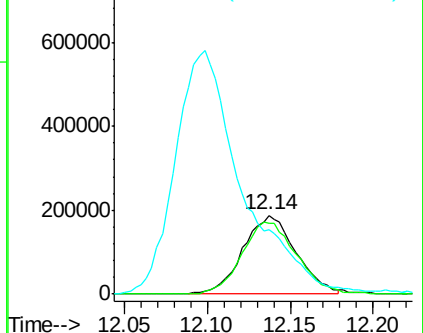
119 403.3 120.2 180.4#

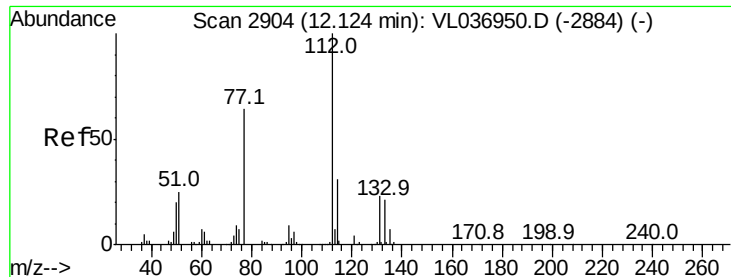


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

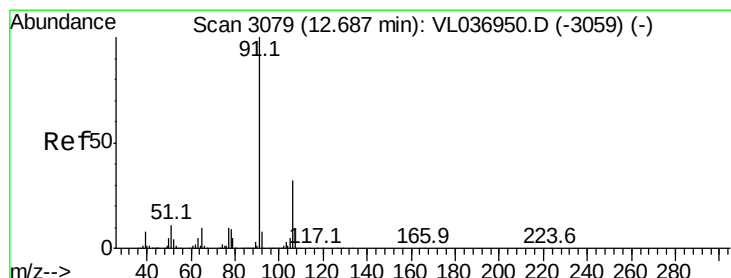
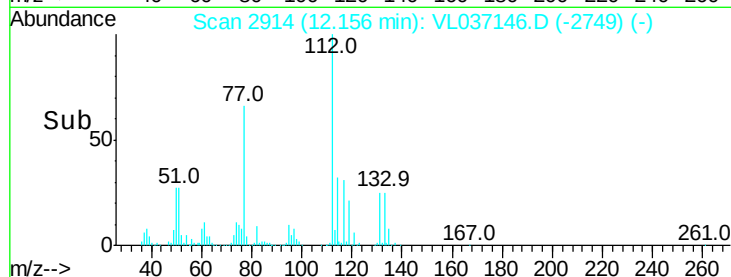
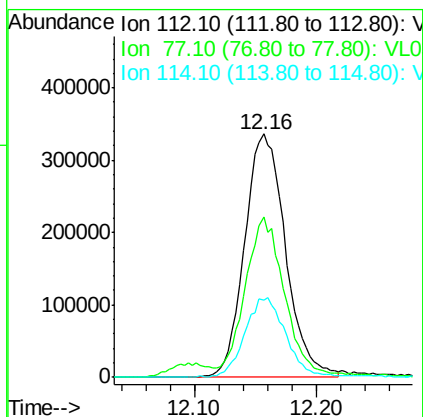
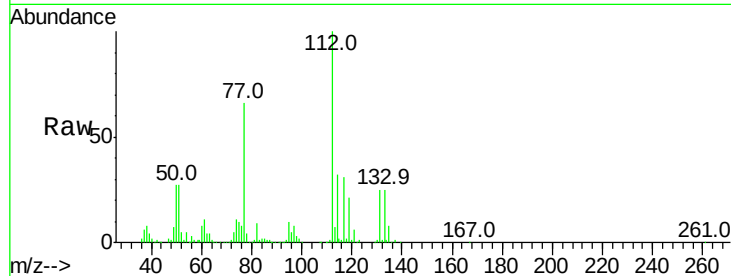




#57
Chlorobenzene
Concen: 2.277 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.03 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

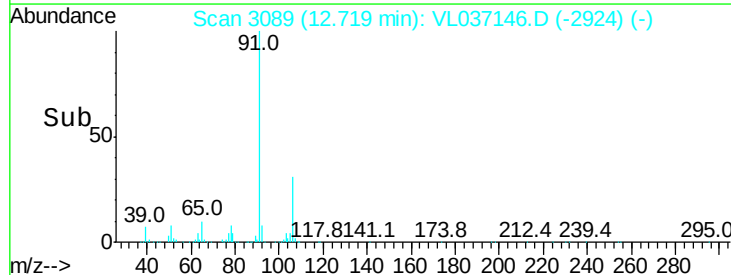
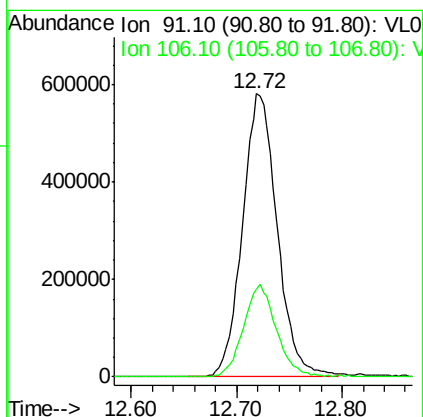
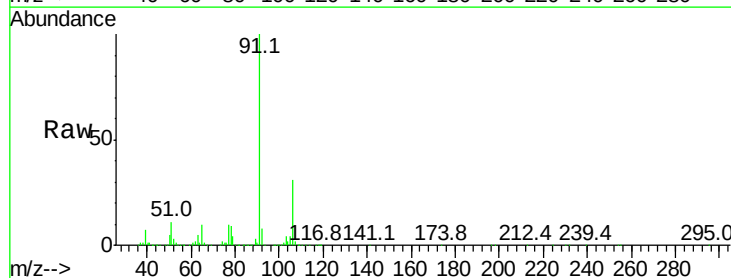
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

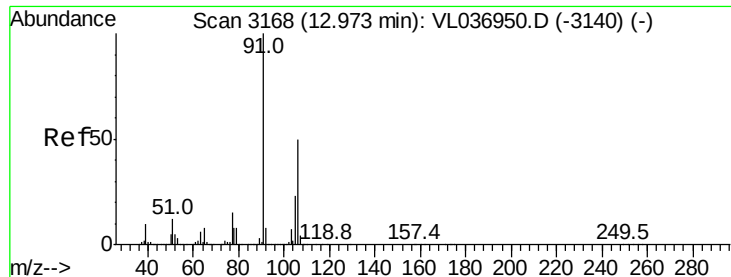
Tgt Ion: 112 Resp: 776484
Ion Ratio Lower Upper
112 100
77 64.0 51.0 76.6
114 31.3 28.3 34.5



#58
Ethyl Benzene
Concen: 2.143 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. 0.03 min
Lab File: VL037146.D
Acq: 14 Jun 2021 13:01

Tgt Ion: 91 Resp: 1330329
Ion Ratio Lower Upper
91 100
106 31.0 25.6 38.4





#59

m/p-Xylene

Concen: 2.256 ppbv

RT: 13.01 min Scan# 3178

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

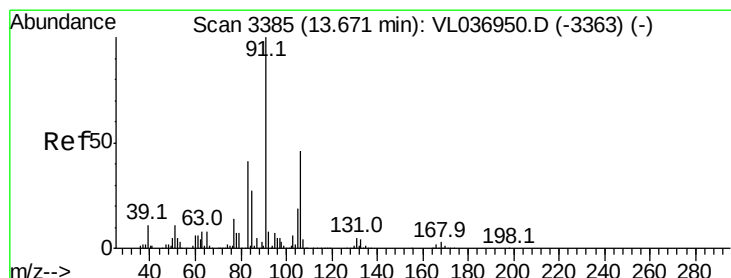
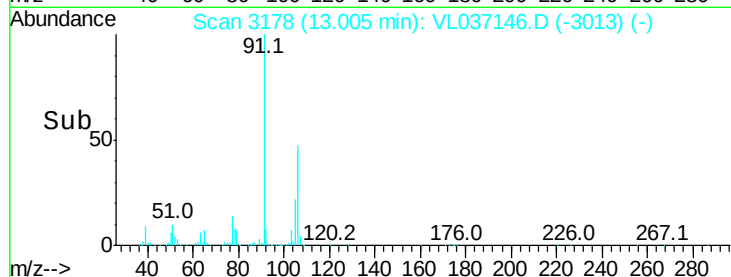
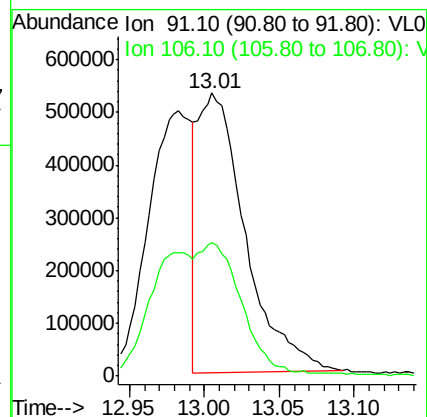
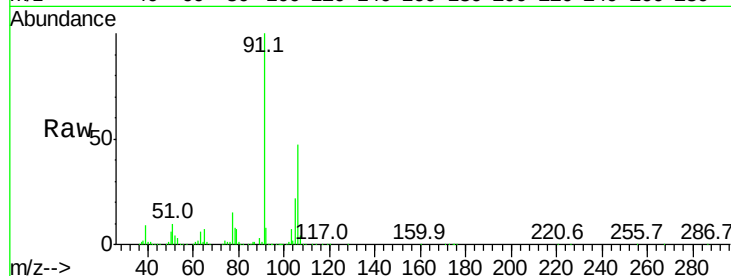
VSTDIC002

Tgt Ion: 91 Resp: 1157786

Ion Ratio Lower Upper

91 100

106 87.0 37.4 56.2#



#60

o-Xylene

Concen: 2.208 ppbv

RT: 13.70 min Scan# 3395

Delta R.T. 0.03 min

Lab File: VL037146.D

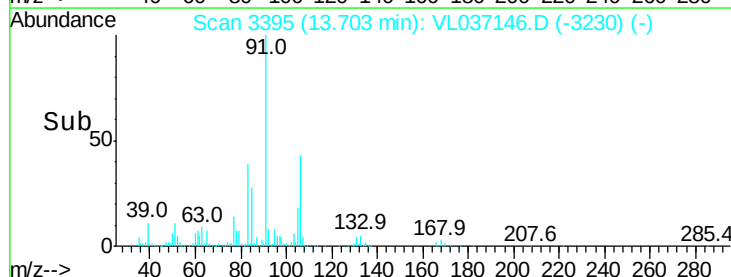
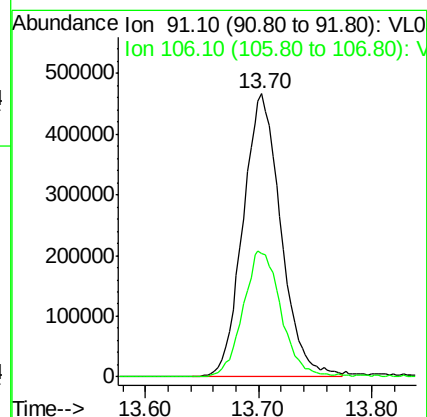
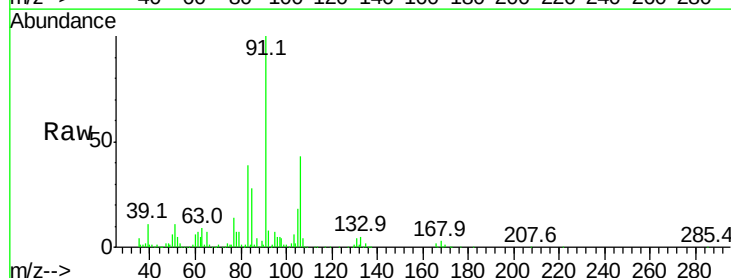
Acq: 14 Jun 2021 13:01

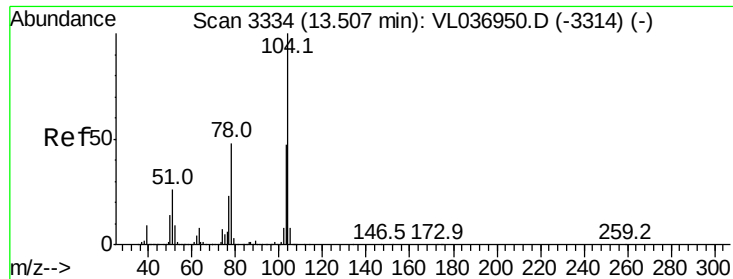
Tgt Ion: 91 Resp: 1080520

Ion Ratio Lower Upper

91 100

106 45.0 23.4 70.3





#61

Styrene

Concen: 2.022 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

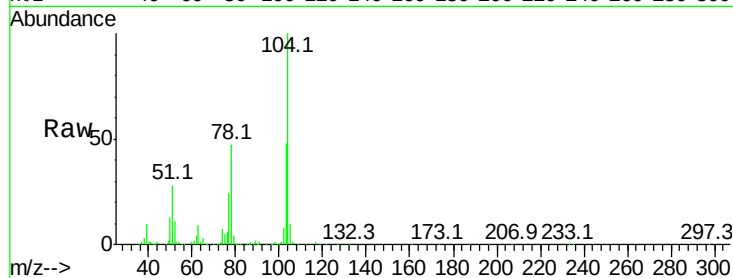
Tgt Ion:104 Resp: 557360

Ion Ratio Lower Upper

104 100

78 52.1 39.0 58.6

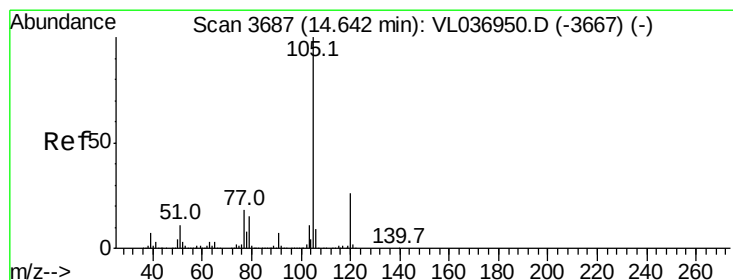
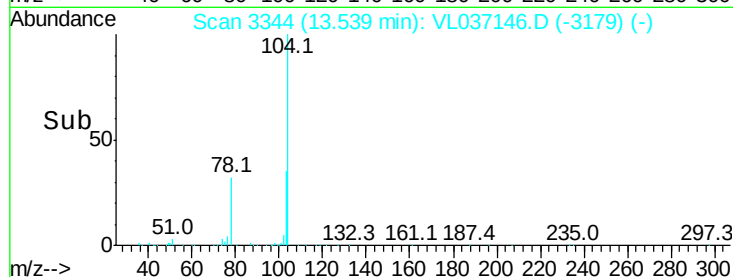
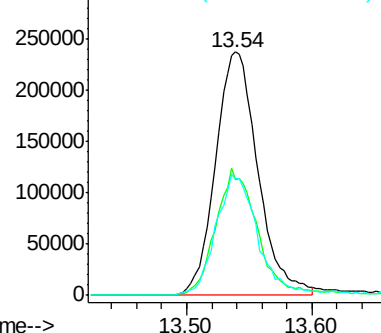
103 50.1 38.0 57.0



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: 2.177 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. 0.04 min

Lab File: VL037146.D

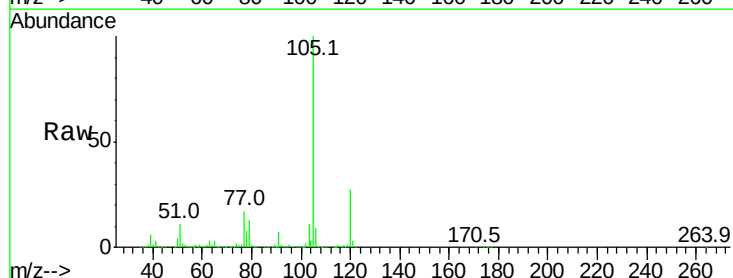
Acq: 14 Jun 2021 13:01

Tgt Ion:105 Resp: 1530954

Ion Ratio Lower Upper

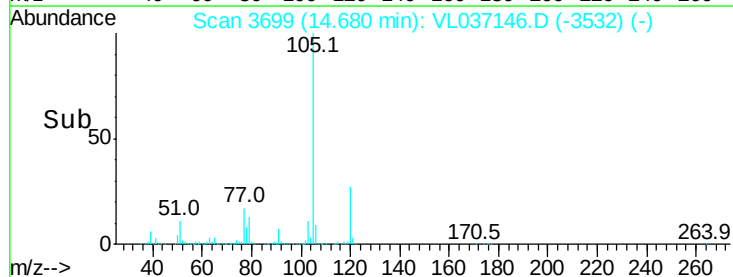
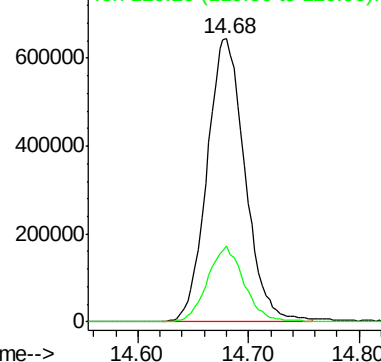
105 100

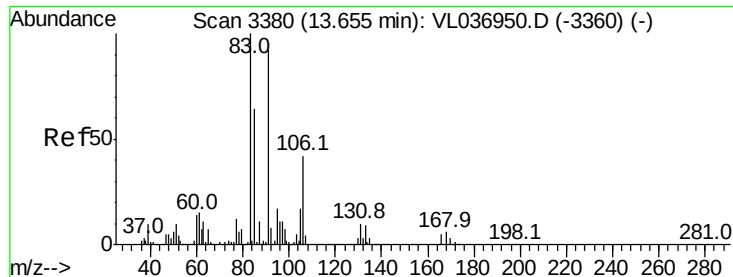
120 26.3 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 1.977 ppbv

RT: 13.69 min Scan# 3390

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

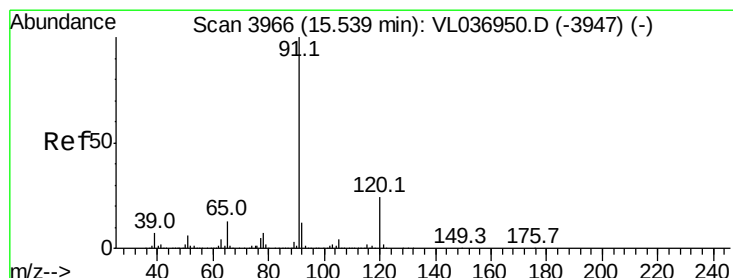
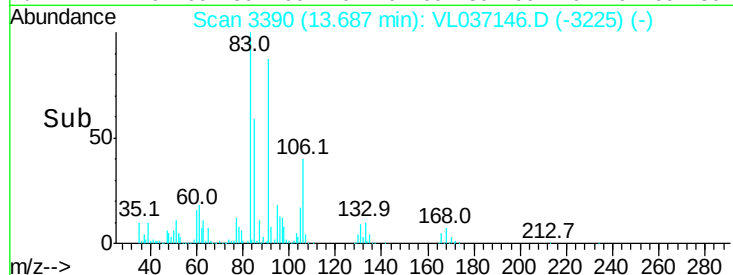
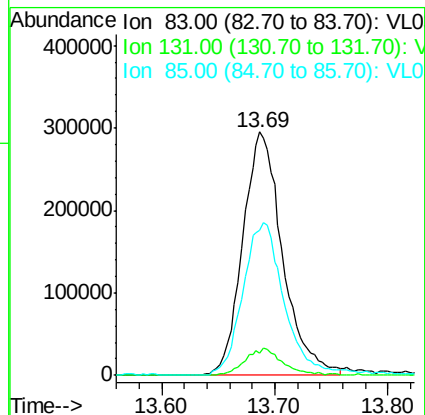
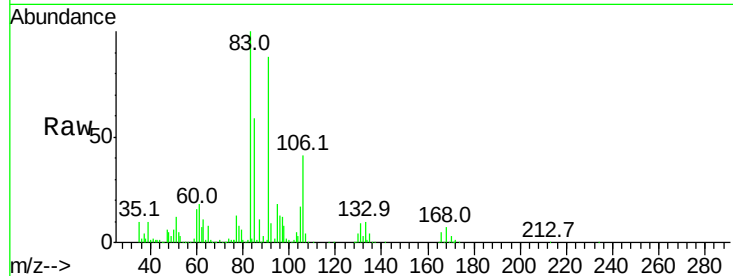
Tgt Ion: 83 Resp: 722488

Ion Ratio Lower Upper

83 100

131 10.8 5.0 15.0

85 66.1 32.9 98.6



#64

n-propylbenzene

Concen: 2.152 ppbv

RT: 15.57 min Scan# 3977

Delta R.T. 0.04 min

Lab File: VL037146.D

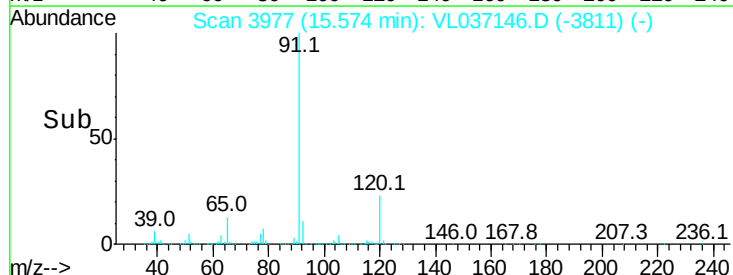
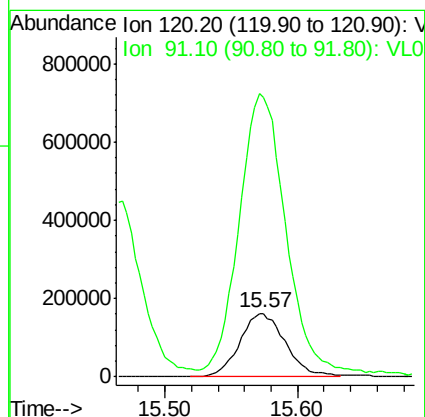
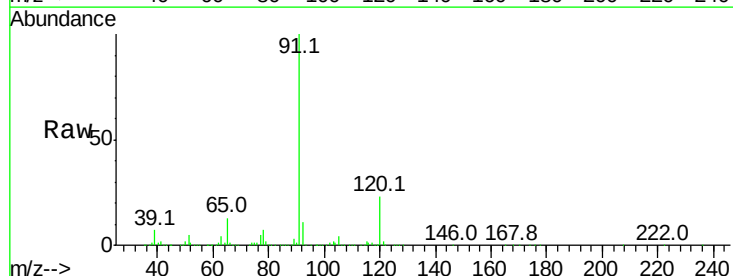
Acq: 14 Jun 2021 13:01

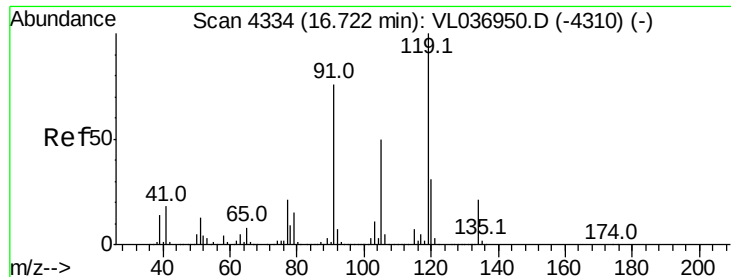
Tgt Ion: 120 Resp: 390461

Ion Ratio Lower Upper

120 100

91 465.3 343.8 515.6

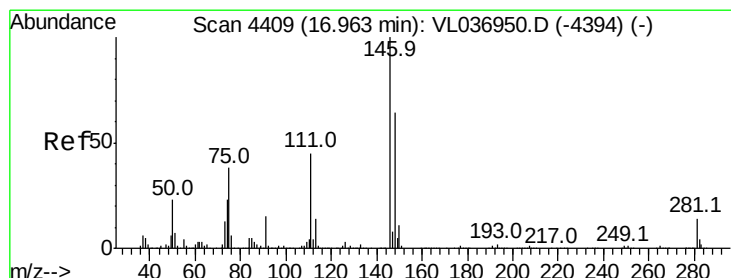
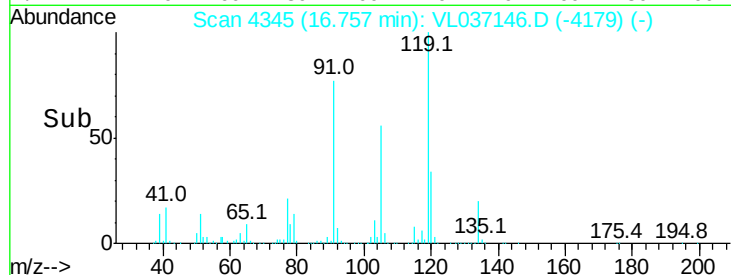
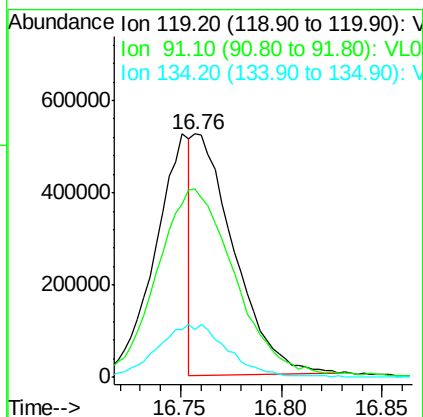
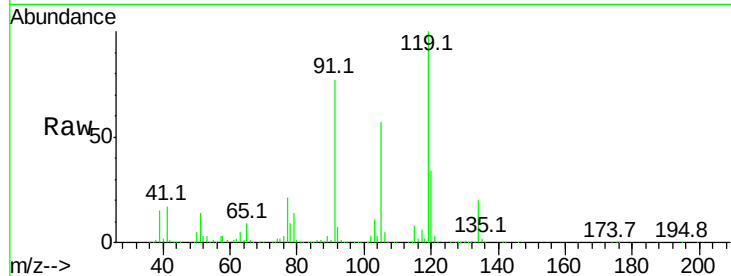




#65
 tert-Butylbenzene
 Concen: 1.160 ppbv
 RT: 16.76 min Scan# 4345
 Delta R.T. 0.04 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

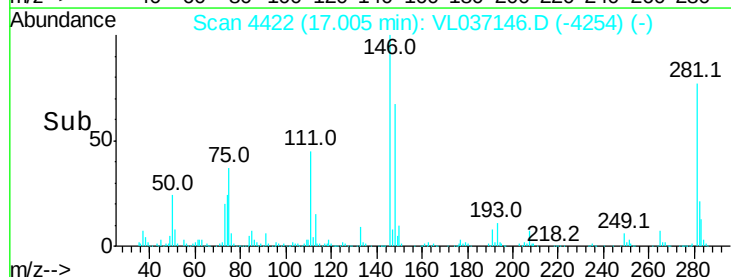
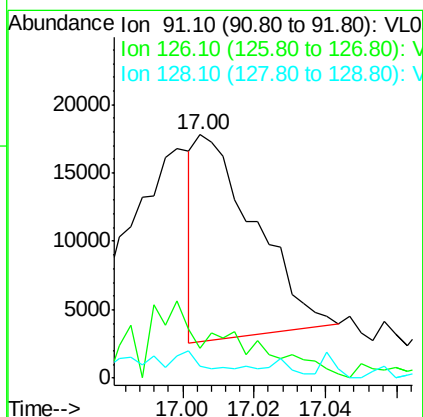
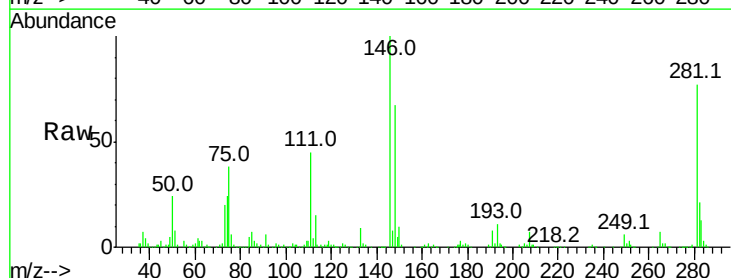
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

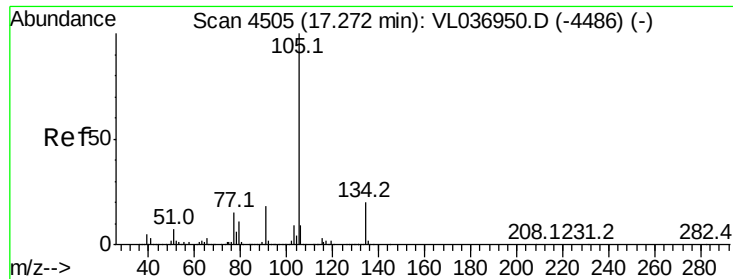
Tgt Ion: 119 Resp: 736037
 Ion Ratio Lower Upper
 119 100
 91 151.5 61.9 92.9#
 134 38.5 16.2 24.4#



#66
 Benzyl Chloride
 Concen: 0.488 ppbv
 RT: 17.00 min Scan# 4422
 Delta R.T. 0.04 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Tgt Ion: 91 Resp: 17183
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.5 24.7#
 128 25.9 5.5 8.3#





#67

sec-Butylbenzene

Concen: 2.174 ppbv

RT: 17.31 min Scan# 4516

Delta R.T. 0.04 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

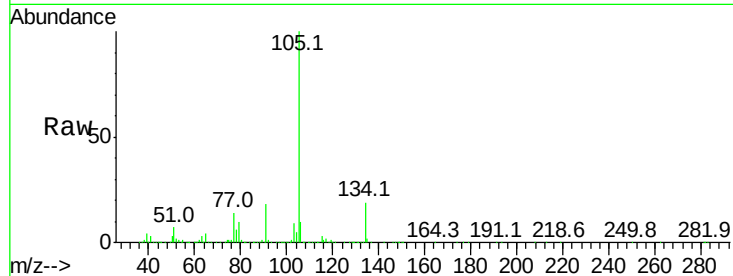
VSTDIC002

Tgt Ion: 105 Resp: 1882302

Ion Ratio Lower Upper

105 100

134 18.8 15.6 23.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.31

800000

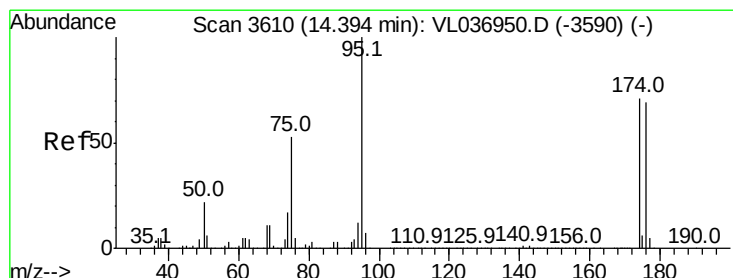
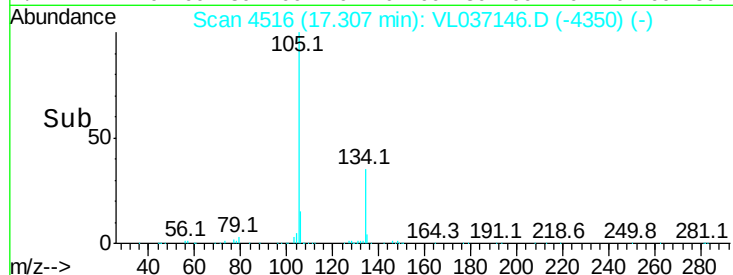
600000

400000

200000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.582 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

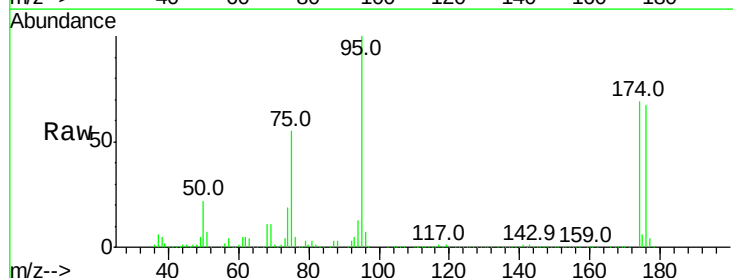
Tgt Ion: 95 Resp: 3166196

Ion Ratio Lower Upper

95 100

174 72.6 58.4 87.6

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

14.43

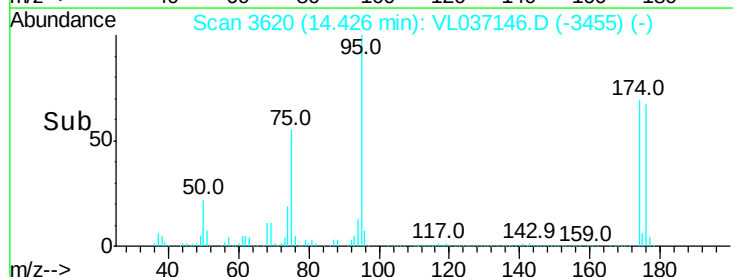
1500000

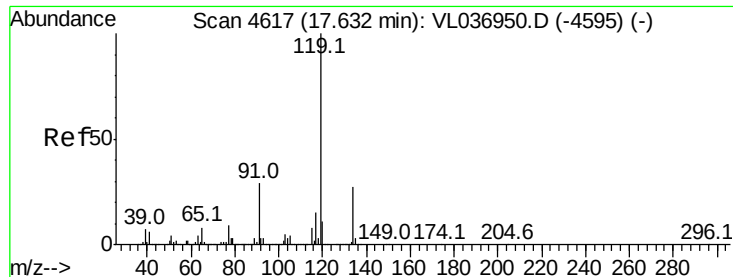
1000000

500000

0

Time-->



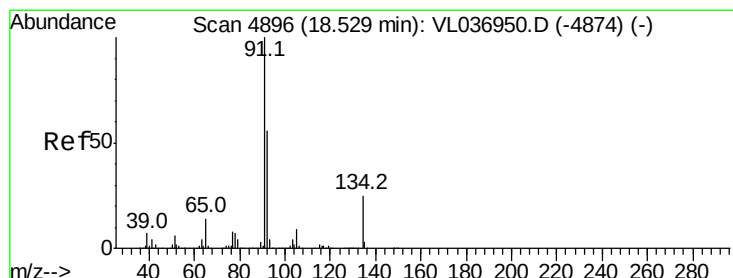
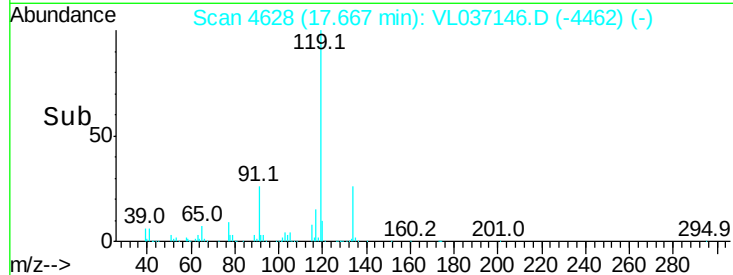
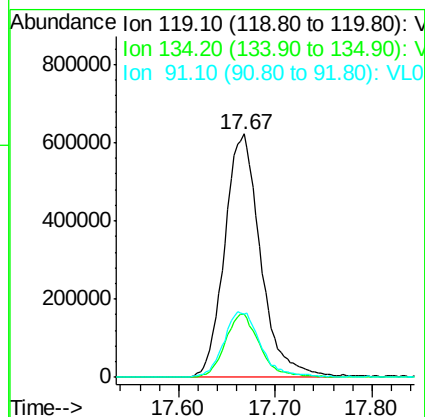
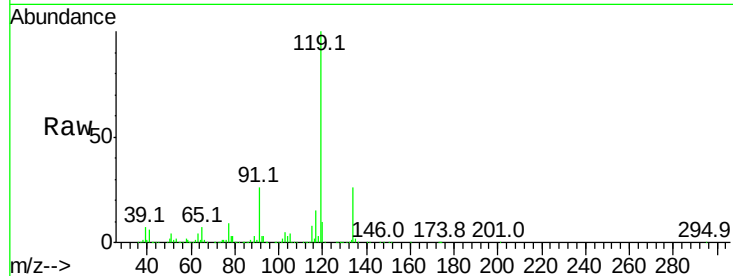


#69
 p-Isopropyltoluene
 Concen: 2.143 ppbv
 RT: 17.67 min Scan# 4628
 Delta R.T. 0.04 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion: 119 Resp: 1595087

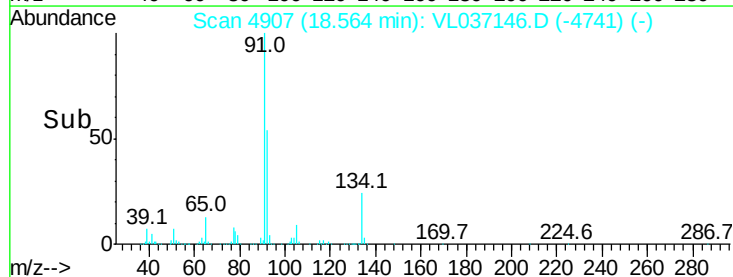
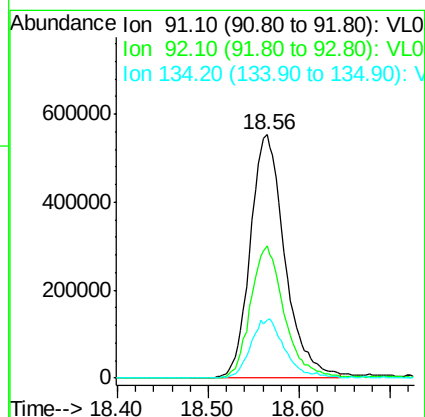
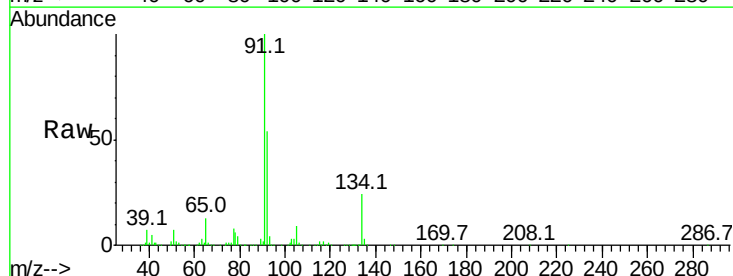
Ion	Ratio	Lower	Upper
119	100		
134	25.6	21.2	31.8
91	27.5	22.2	33.4

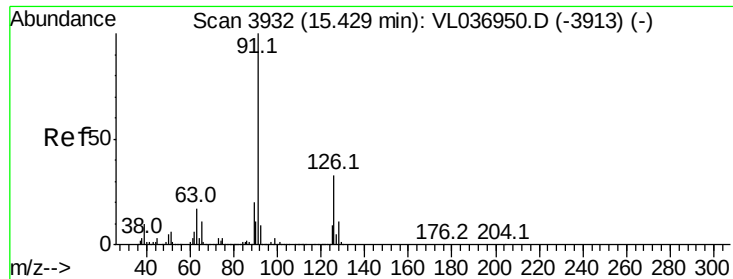


#70
 n-Butylbenzene
 Concen: 2.060 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T. 0.04 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Tgt Ion: 91 Resp: 1456635

Ion	Ratio	Lower	Upper
91	100		
92	54.0	44.6	66.8
134	24.2	20.2	30.2





#71

2-Chlorotoluene

Concen: 2.180 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

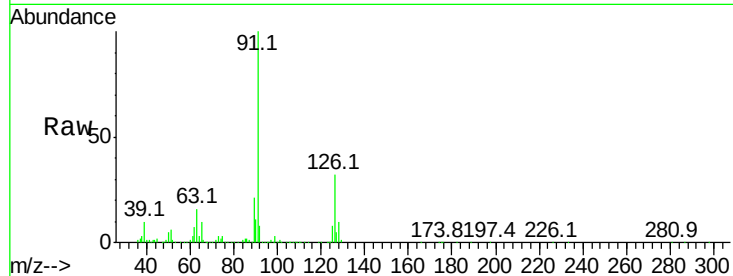
VSTDIC002

Tgt Ion: 91 Resp: 1107588

Ion Ratio Lower Upper

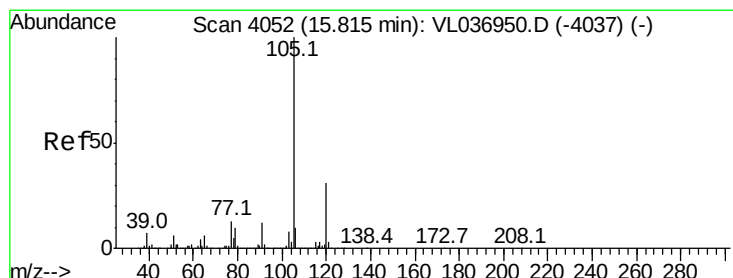
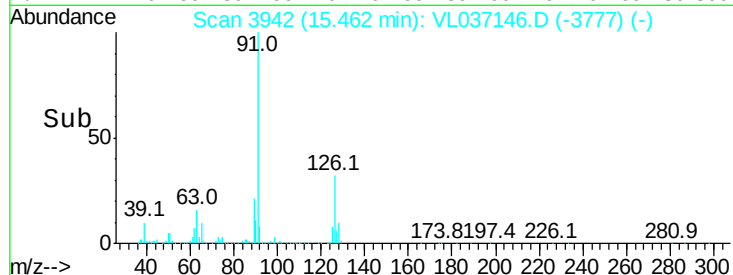
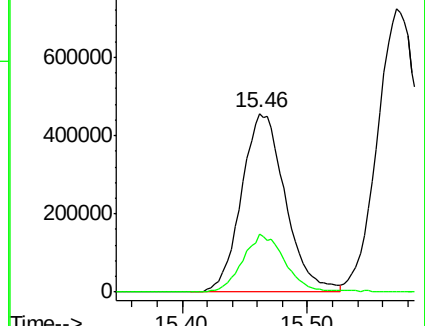
91 100

126 32.0 13.1 52.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): VL0



#72

4-Ethyltoluene

Concen: 2.101 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. 0.04 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Tgt Ion: 105 Resp: 1220121

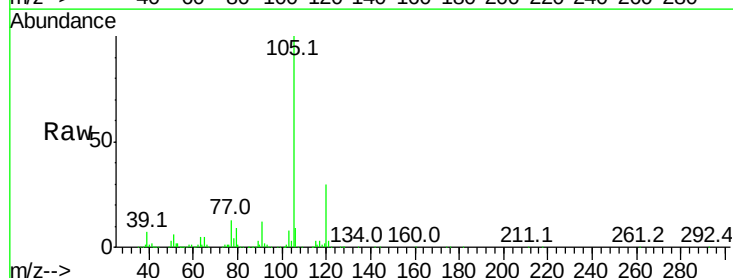
Ion Ratio Lower Upper

105 100

120 31.3 24.6 37.0

91 13.0 9.8 14.6

77 13.9 10.4 15.6

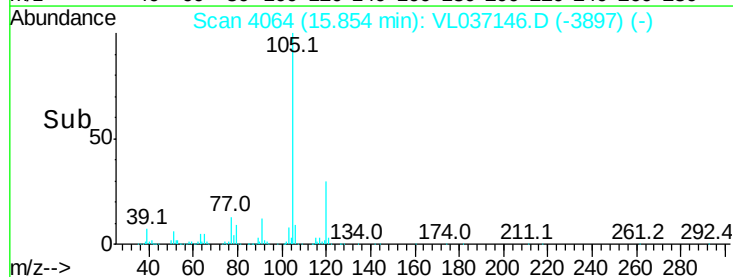
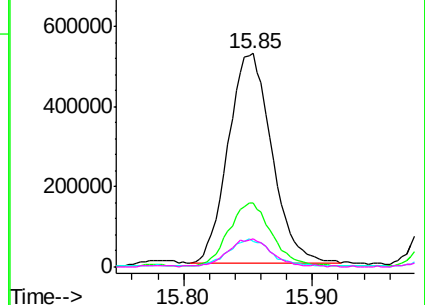


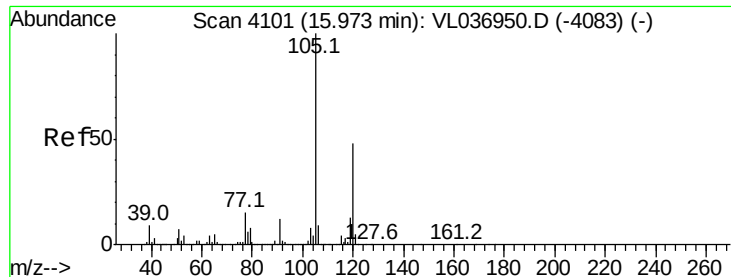
Abundance Ion 105.10 (104.80 to 105.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 2.098 ppbv

RT: 16.00 min Scan# 4111

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

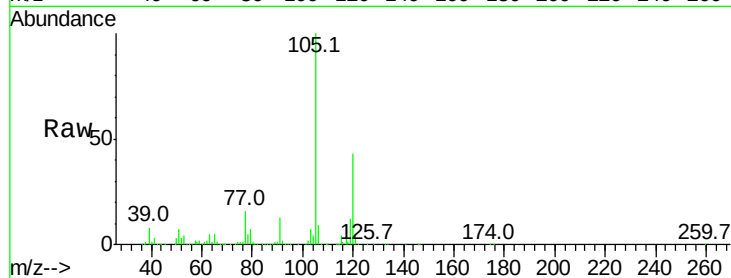
VSTDIC002

Tgt Ion:105 Resp: 1144449

Ion Ratio Lower Upper

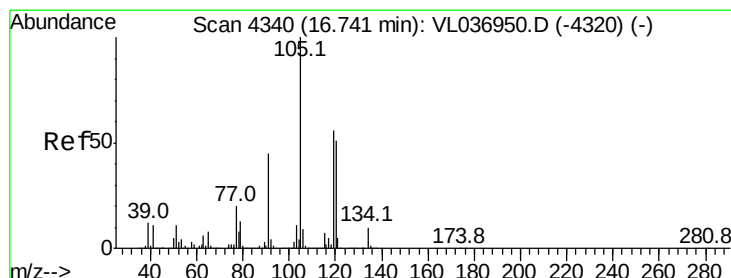
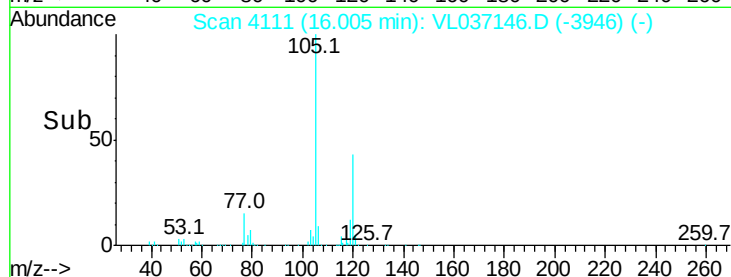
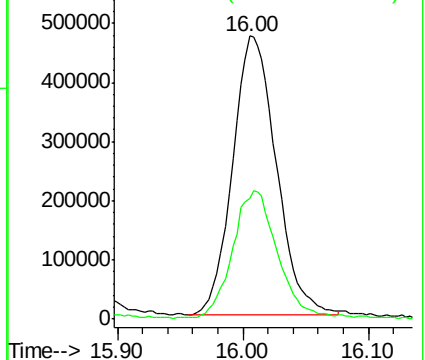
105 100

120 42.9 38.6 58.0



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: 2.160 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Tgt Ion:105 Resp: 1218318

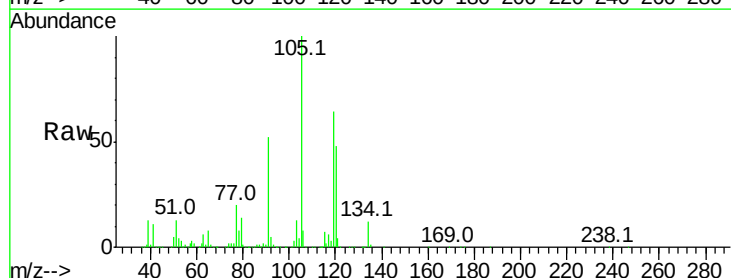
Ion Ratio Lower Upper

105 100

120 48.2 40.6 61.0

91 51.5 37.4 56.0

77 19.8 16.2 24.4

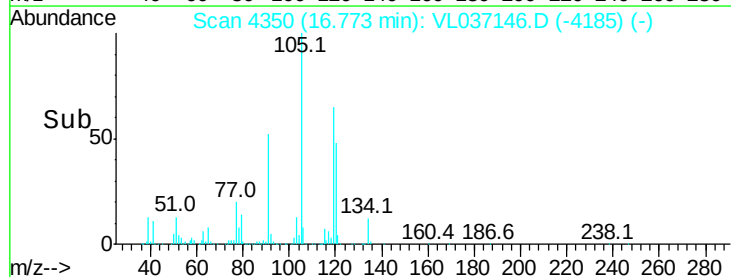
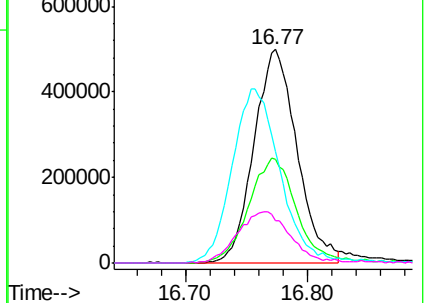


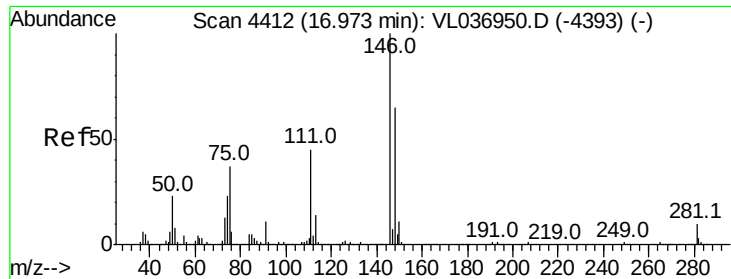
Abundance Ion 105.10 (104.80 to 105.80): V

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

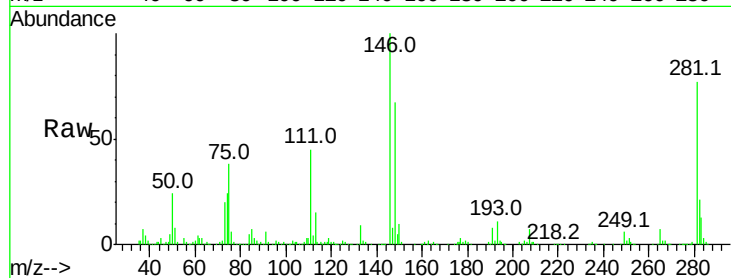




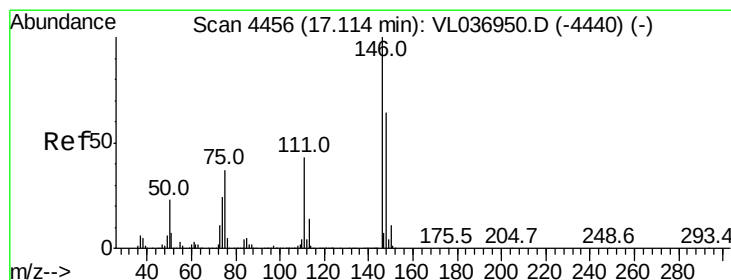
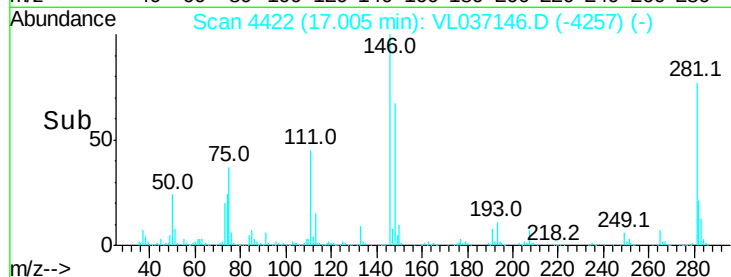
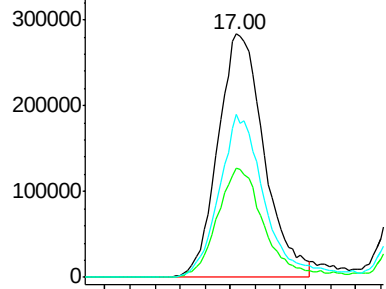
#75
 1,3-Dichlorobenzene
 Concen: 2.103 ppbv
 RT: 17.00 min Scan# 4422
 Delta R.T. 0.03 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:146 Resp: 724300
 Ion Ratio Lower Upper
 146 100
 111 45.8 22.2 66.6
 148 65.8 32.3 96.8

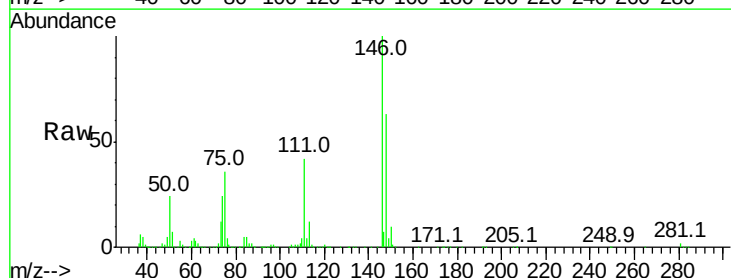


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

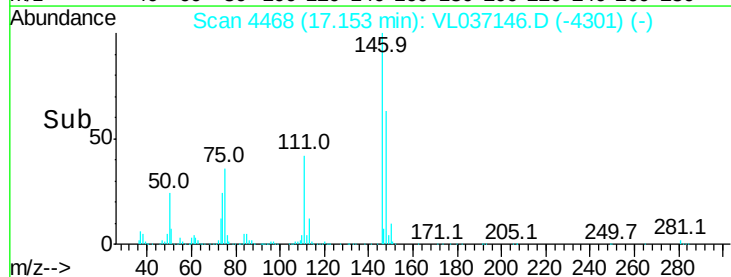
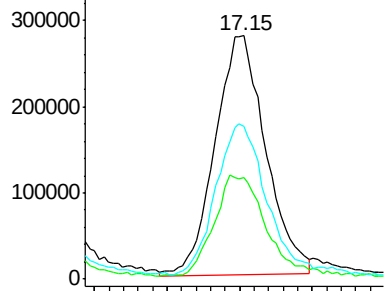


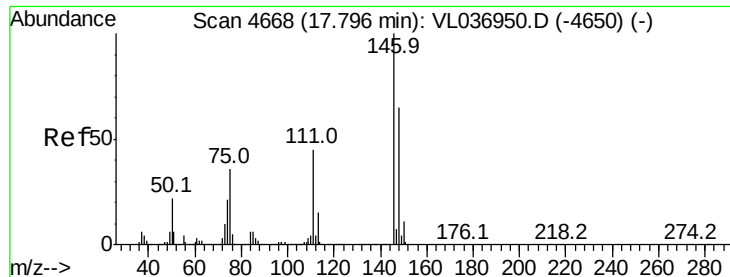
#76
 1,4-Dichlorobenzene
 Concen: 1.943 ppbv
 RT: 17.15 min Scan# 4468
 Delta R.T. 0.04 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Tgt Ion:146 Resp: 676505
 Ion Ratio Lower Upper
 146 100
 111 47.3 22.6 67.7
 148 68.3 33.5 100.5



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

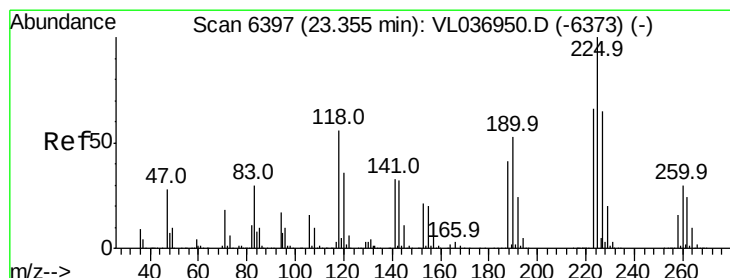
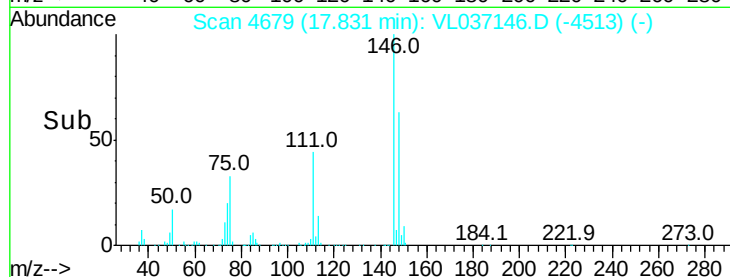
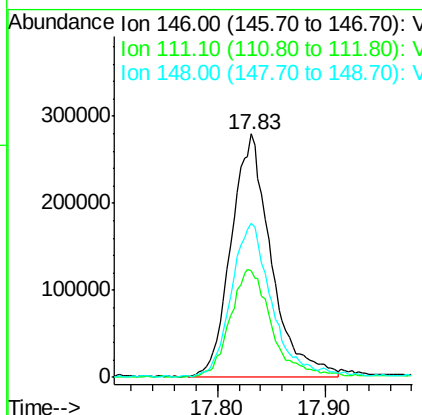
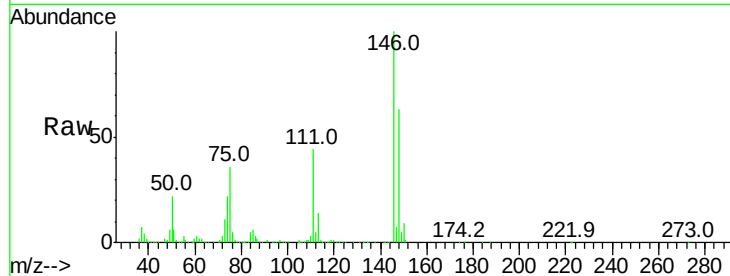




#77
 1,2-Dichlorobenzene
 Concen: 2.078 ppbv
 RT: 17.83 min Scan# 4679
 Delta R.T. 0.04 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

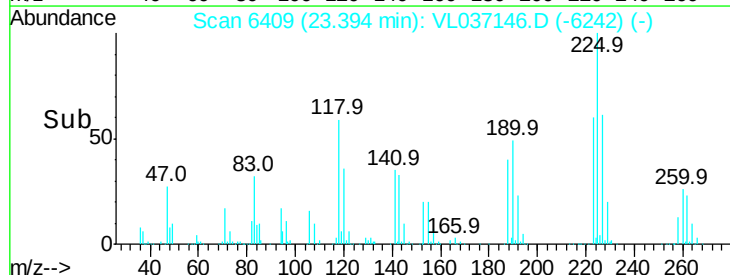
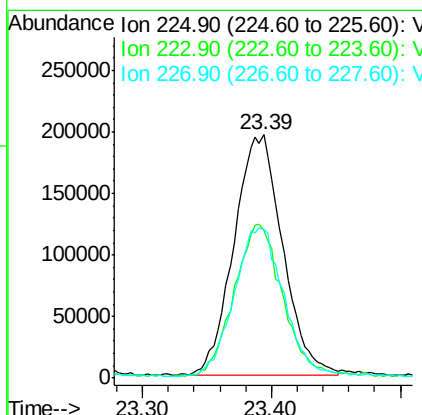
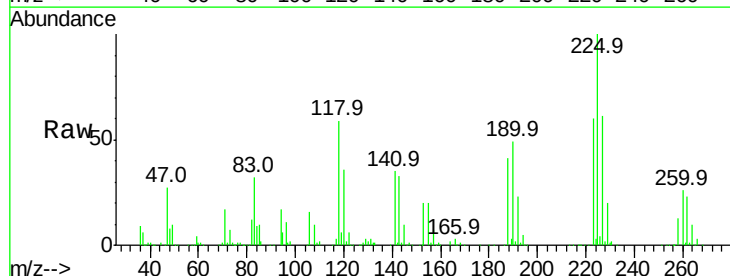
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

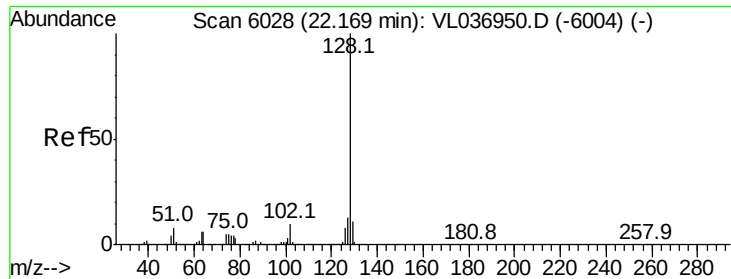
Tgt Ion:146 Resp: 717179
 Ion Ratio Lower Upper
 146 100
 111 45.8 23.1 69.2
 148 64.4 32.5 97.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 1.840 ppbv
 RT: 23.39 min Scan# 6409
 Delta R.T. 0.04 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Tgt Ion:225 Resp: 510552
 Ion Ratio Lower Upper
 225 100
 223 66.5 51.9 77.9
 227 66.4 51.8 77.6





#79

Naphthalene

Concen: 0.686 ppbv

RT: 22.22 min Scan# 6045

Delta R.T. 0.05 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

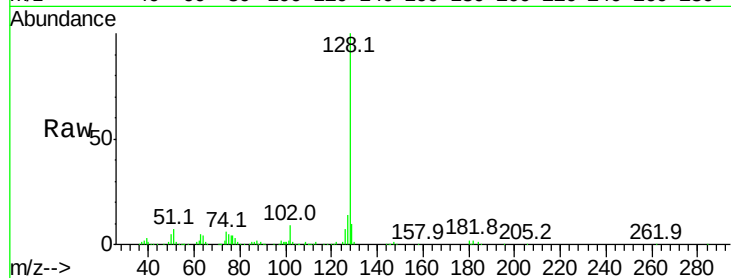
Tgt Ion:128 Resp: 303669

Ion Ratio Lower Upper

128 100

127 13.6 10.4 15.6

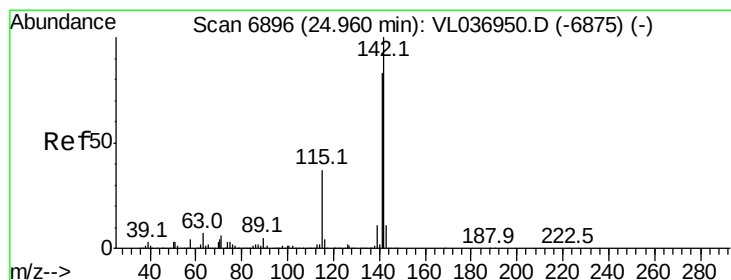
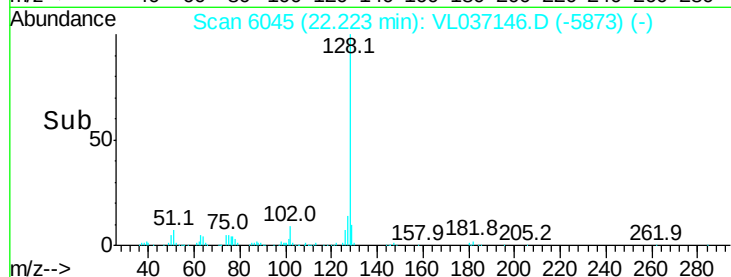
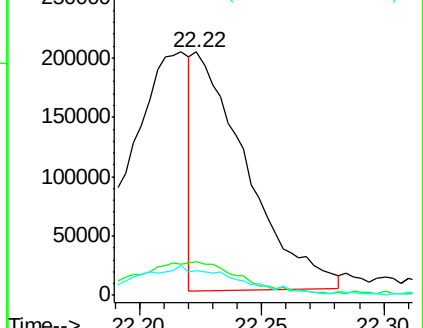
129 9.1 9.0 13.6



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: 1.020 ppbv

RT: 24.99 min Scan# 6904

Delta R.T. 0.03 min

Lab File: VL037146.D

Acq: 14 Jun 2021 13:01

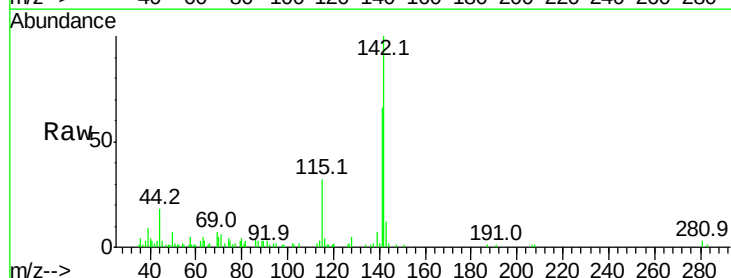
Tgt Ion:142 Resp: 98135

Ion Ratio Lower Upper

142 100

141 95.0 69.3 103.9

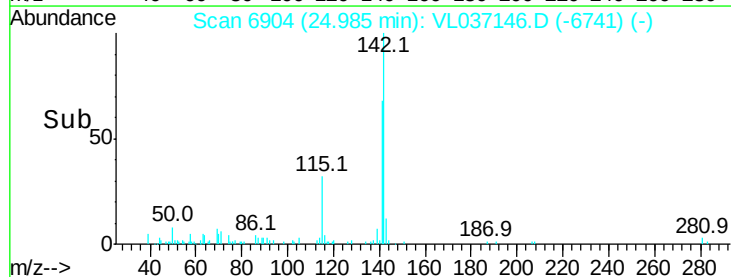
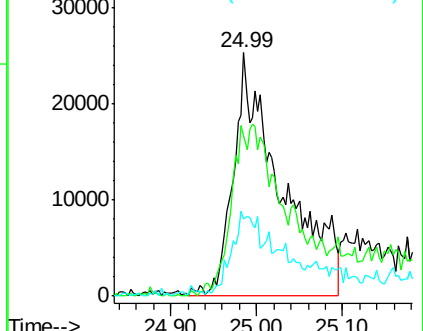
115 38.8 29.1 43.7

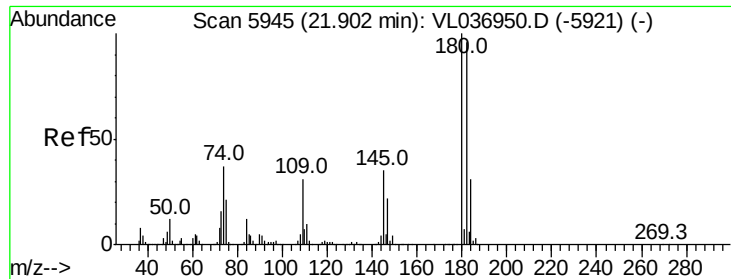


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

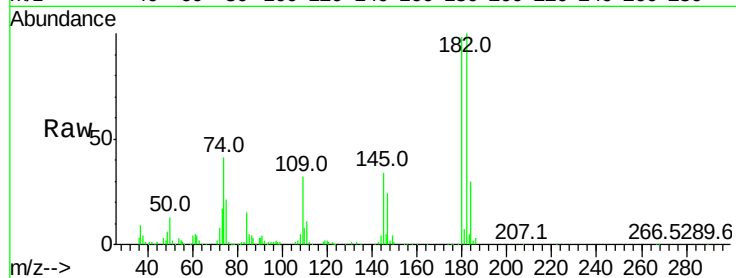




#81
 1,2,4-Trichlorobenzene
 Concen: 0.612 ppbv
 RT: 21.95 min Scan# 5960
 Delta R.T. 0.05 min
 Lab File: VL037146.D
 Acq: 14 Jun 2021 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:180 Resp: 165045
 Ion Ratio Lower Upper
 180 100
 182 266.1 81.7 122.5#
 184 82.7 24.9 37.3#



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

