

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL036993.D
 Acq On : 19 May 2021 15:29
 Operator : SY/AP
 Sample : VL0519ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0519ABS01

Quant Time: May 20 06:29:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.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	5.65	49	1261373	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3802958	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	4537603	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2851254	8.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	2041408	9.540 ppbv	100
3) Chlorodifluoromethane	2.97	51	2260450	9.782 ppbv	99
4) Chloromethane	3.12	50	744501	9.468 ppbv	99
5) Vinyl Chloride	3.24	62	792619	9.221 ppbv	100
6) Bromomethane	3.46	94	468116	10.335 ppbv	99
7) Chloroethane	3.54	64	276684	9.914 ppbv	96
8) Dichlorotetrafluoroethane	3.17	85	1956274	9.737 ppbv	98
9) Propene	2.99	41	767735	9.278 ppbv	100
10) Heptane	8.10	43	1961189	9.510 ppbv	98
11) Trichlorofluoromethane	3.93	101	2035285	10.276 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1401395	9.933 ppbv	98
13) Ethanol	3.60	45	22248	2.015 ppbv #	35
14) Bromoethene	3.72	108	626016	10.074 ppbv	100
15) Acetone	3.84	43	1041185	8.059 ppbv	96
16) 1,3-Butadiene	3.31	39	781435	9.735 ppbv	98
17) tert-Butyl alcohol	4.28	59	1057874	8.939 ppbv	98
18) 1,1-Dichloroethene	4.27	96	644296	9.876 ppbv	95
19) Isopropyl Alcohol	3.95	45	588646	8.476 ppbv #	36
20) Methylene Chloride	4.33	84	542658	7.836 ppbv	99
21) Allyl Chloride	4.39	41	942651	9.672 ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	619870	9.914 ppbv	97
23) Vinyl Acetate	5.06	43	2015859	9.830 ppbv	99
24) 1,1-Dichloroethane	4.99	63	1530315	10.367 ppbv	99
25) Ethyl Acetate	5.66	43	2968451	9.561 ppbv	100
26) Hexane	5.67	57	1435079	9.048 ppbv	98
27) Carbon Disulfide	4.53	76	1537734	9.620 ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1728541	9.092 ppbv	100
29) Chloroform	5.73	83	2253982	10.059 ppbv	97
30) Cyclohexane	7.11	84	1304247	9.677 ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1447364	10.179 ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	2292280	9.527 ppbv	99
34) 2-Butanone	5.23	43	1435533	10.367 ppbv	98
35) Carbon Tetrachloride	7.00	117	2446186	9.681 ppbv	99
36) Benzene	6.87	78	3074812	9.387 ppbv	100
37) 1,2-Dichloroethane	6.29	62	1700632	10.472 ppbv	100
38) Trichloroethene	7.82	130	1268087	9.049 ppbv	98
39) 1,2-Dichloropropane	7.59	63	1186533	9.403 ppbv	98
40) 1,4-Dioxane	7.81	88	108133	3.629 ppbv #	100
41) Tetrahydrofuran	6.03	42	736429	9.338 ppbv	98
42) Bromodichloromethane	7.77	83	2463104	10.025 ppbv	99
43) Methyl Methacrylate	7.99	69	1136298	10.064 ppbv	100

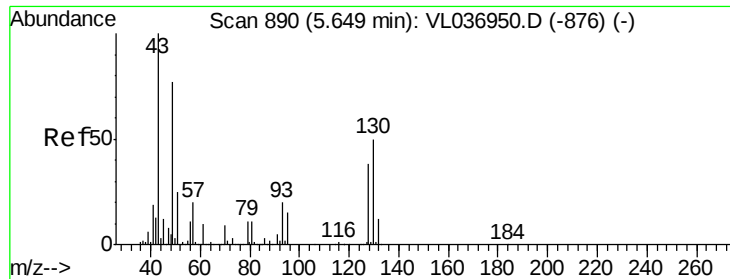
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL036993.D
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Quant Time: May 20 06:29:36 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 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)
44) 2,2,4-Trimethylpentane	7.85	57	5015461	8.924	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	1101227	12.767	ppbv	97
46) cis-1,3-Dichloropropene	8.68	75	1439082	12.404	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1296016	9.813	ppbv	99
48) Dibromochloromethane	10.28	129	2280262	10.663	ppbv	100
49) Bromoform	13.02	173	1885137	10.674	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	2176298	9.524	ppbv	99
51) 2-Hexanone	10.12	43	1149933	9.519	ppbv	99
52) Tetrachloroethene	11.20	164	1252453	9.615	ppbv	98
53) Toluene	9.78	91	3718364	9.540	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1975346	10.520	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	1518222	7.952	ppbv #	58
57) Chlorobenzene	12.12	112	2814610	8.000	ppbv	97
58) Ethyl Benzene	12.69	91	4909587	7.666	ppbv	98
59) m/p-Xylene	12.97	91	4242710	8.015	ppbv #	36
60) o-Xylene	13.67	91	3844950	7.615	ppbv	100
61) Styrene	13.51	104	2351005	8.265	ppbv	99
62) Isopropylbenzene	14.64	105	5478721	7.550	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2670356	7.082	ppbv	100
64) n-propylbenzene	15.54	120	1507534	8.052	ppbv	98
65) tert-Butylbenzene	16.73	119	4905074	7.491	ppbv	100
66) Benzyl Chloride	16.97	91	233619	6.431	ppbv	97
67) sec-Butylbenzene	17.27	105	6608061	7.398	ppbv	99
69) p-Isopropyltoluene	17.63	119	5755188	7.494	ppbv	100
70) n-Butylbenzene	18.53	91	5574716	7.641	ppbv	99
71) 2-Chlorotoluene	15.43	91	4063596	7.754	ppbv	99
72) 4-Ethyltoluene	15.82	105	4752430	7.931	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4314978	7.668	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	4440205	7.631	ppbv	99
75) 1,3-Dichlorobenzene	16.97	146	2829337	7.963	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2765756	7.699	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2732015	7.674	ppbv	100
78) Hexachloro-1,3-Butadiene	23.35	225	1926954	6.731	ppbv	99
79) Naphthalene	22.17	128	4072584	8.921	ppbv	100
80) Naphthalene, 2-methyl-	24.96	142	1243353	12.525	ppbv	97
81) 1,2,4-Trichlorobenzene	21.90	180	2296317	8.251	ppbv	96

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

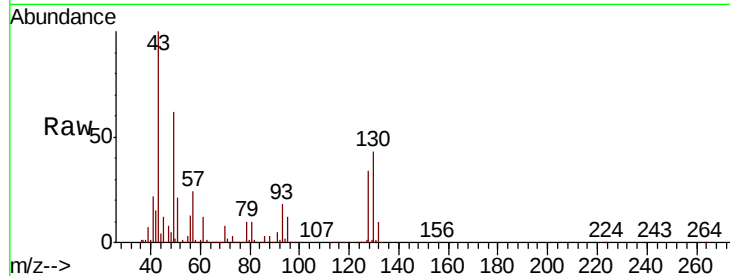
Tot Ion: 49 Resp: 1261373

Ion Ratio Lower Upper

49 100

128 57.7 26.9 80.7

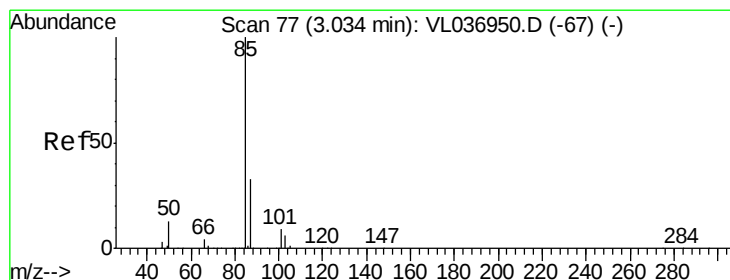
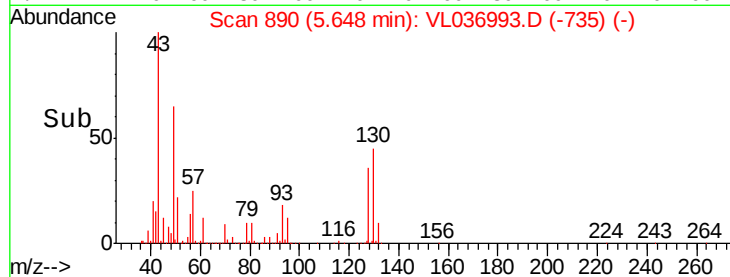
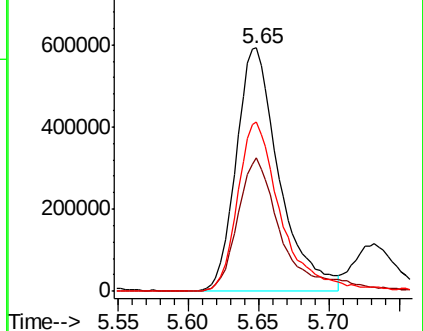
130 72.0 33.8 101.4



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: 9.540 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL036993.D

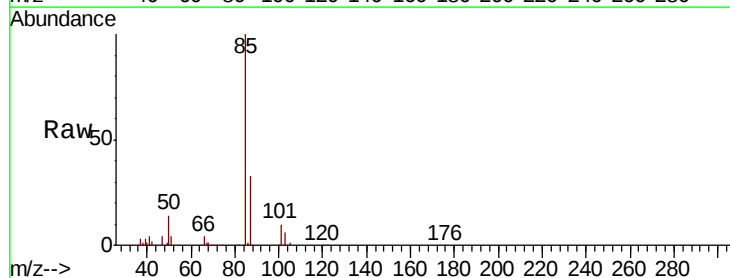
Acq: 19 May 2021 15:29

Tgt Ion: 85 Resp: 2041408

Ion Ratio Lower Upper

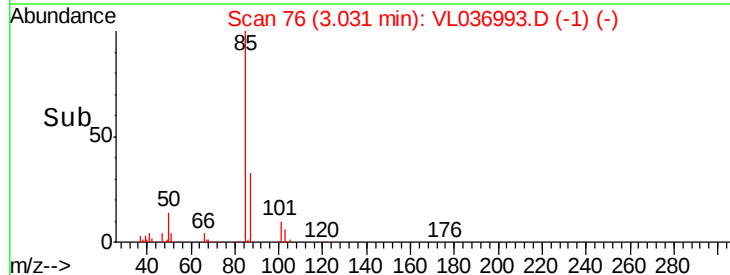
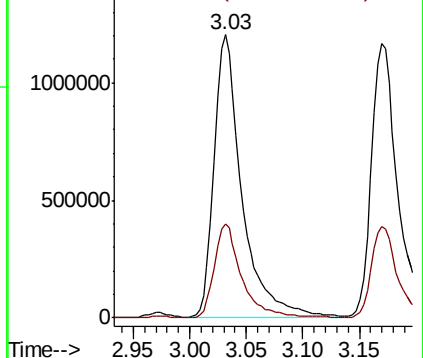
85 100

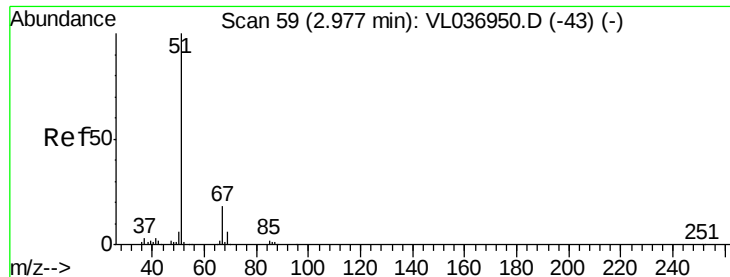
87 33.4 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.782 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

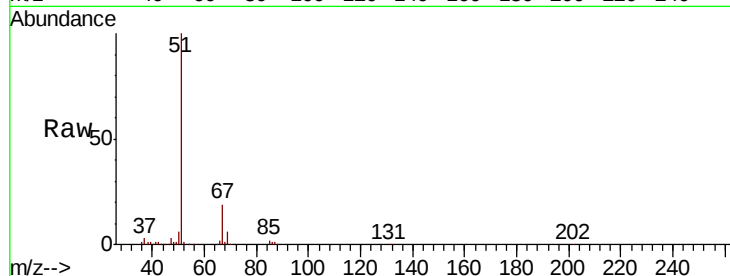
VL0519ABS01

Tot Ion: 51 Resp: 2260450

Ion Ratio Lower Upper

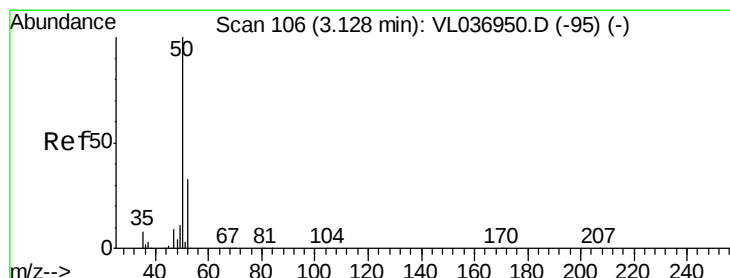
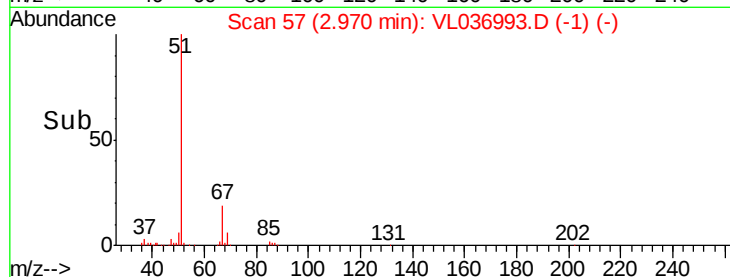
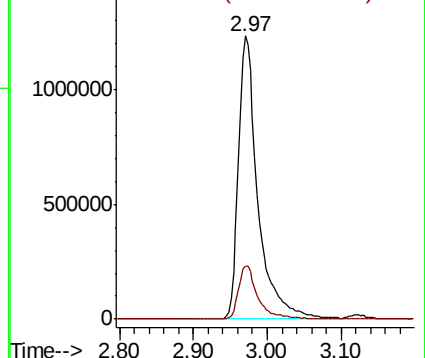
51 100

67 18.8 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.468 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL036993.D

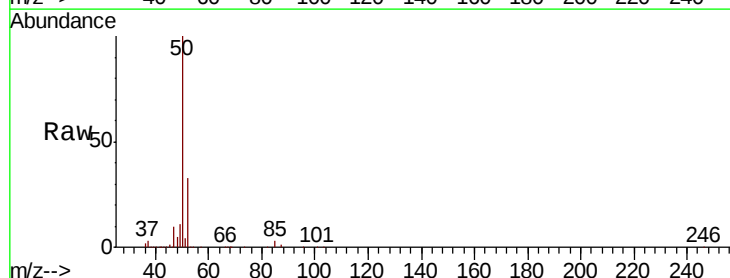
Acq: 19 May 2021 15:29

Tgt Ion: 50 Resp: 744501

Ion Ratio Lower Upper

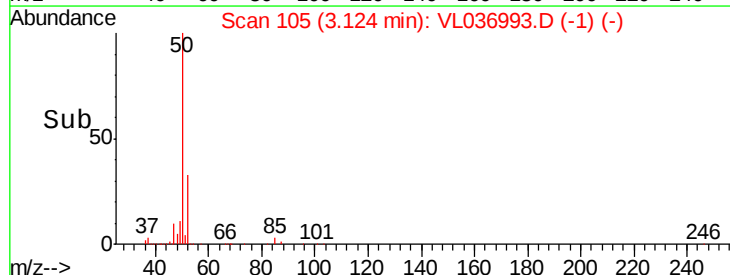
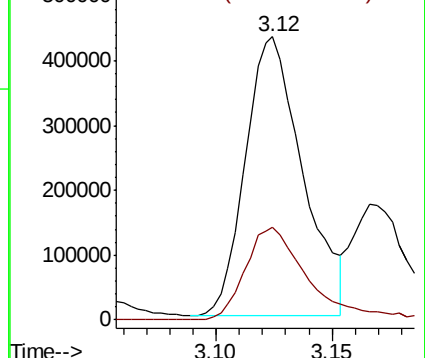
50 100

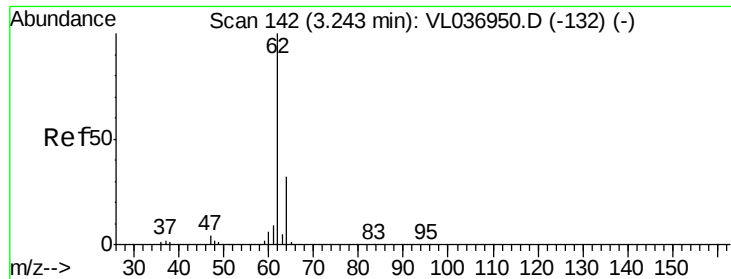
52 32.9 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.221 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

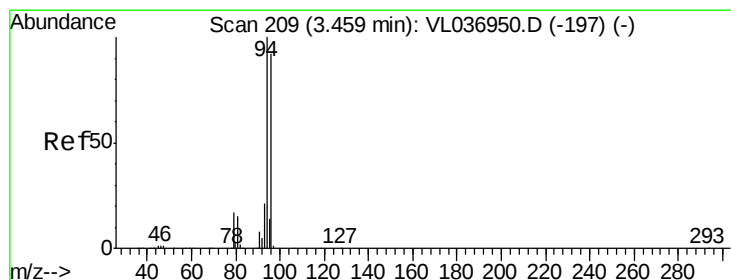
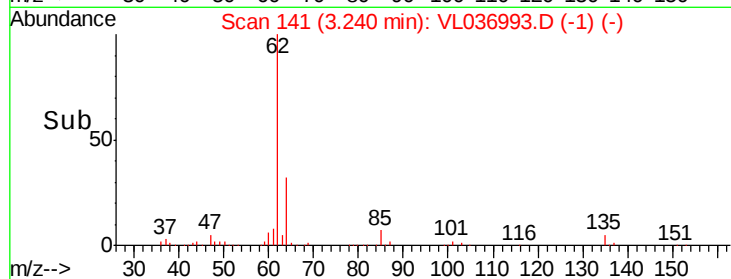
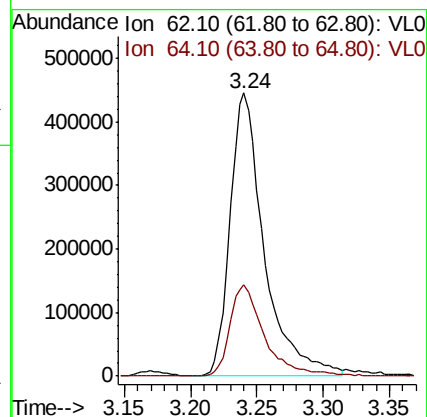
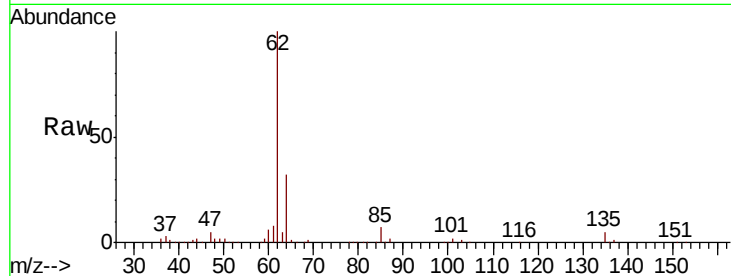
VL0519ABS01

Tot Ion: 62 Resp: 792619

Ion Ratio Lower Upper

62 100

64 32.3 25.9 38.9



#6

Bromomethane

Concen: 10.335 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.00 min

Lab File: VL036993.D

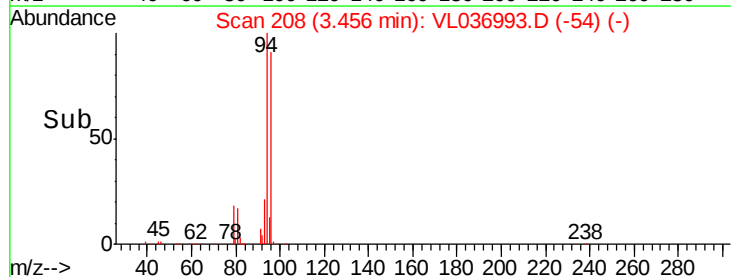
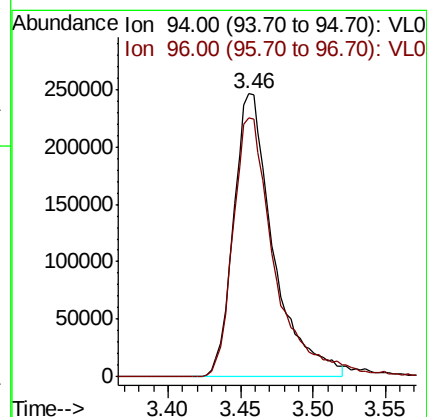
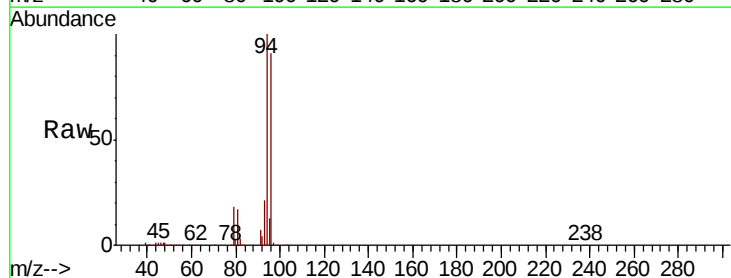
Acq: 19 May 2021 15:29

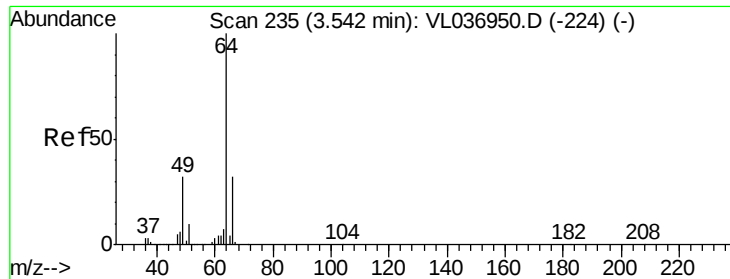
Tgt Ion: 94 Resp: 468116

Ion Ratio Lower Upper

94 100

96 91.4 74.0 111.0





#7

Chloroethane

Concen: 9.914 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

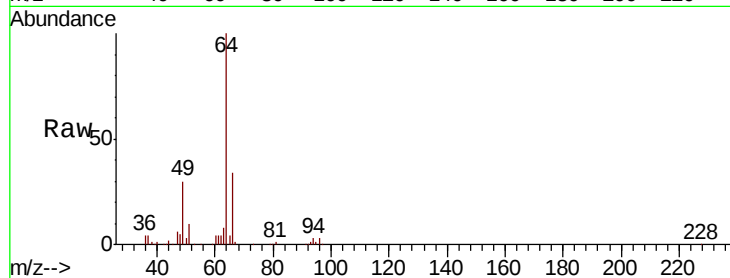
VL0519ABS01

Tot Ion: 64 Resp: 276684

Ion Ratio Lower Upper

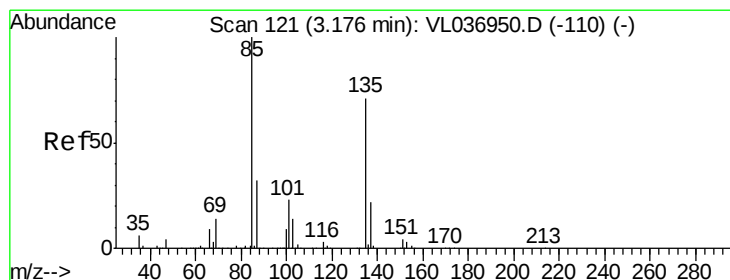
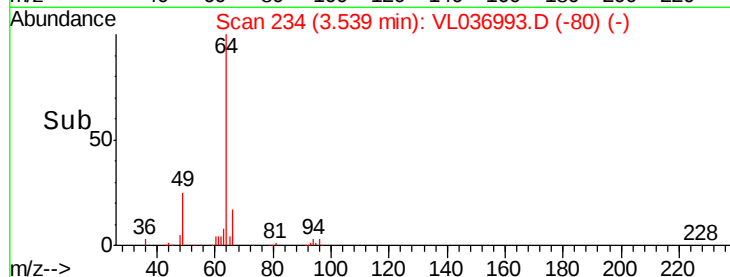
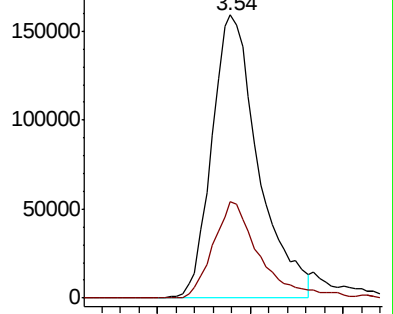
64 100

66 34.1 25.4 38.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.737 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL036993.D

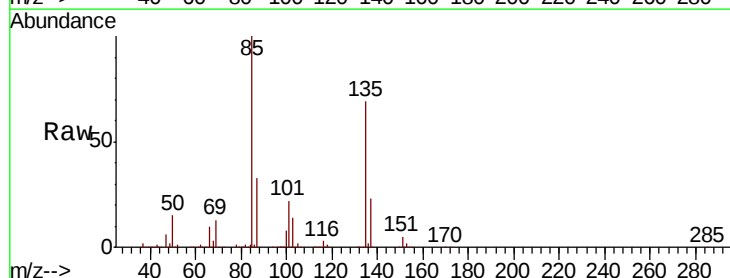
Acq: 19 May 2021 15:29

Tgt Ion: 85 Resp: 1956274

Ion Ratio Lower Upper

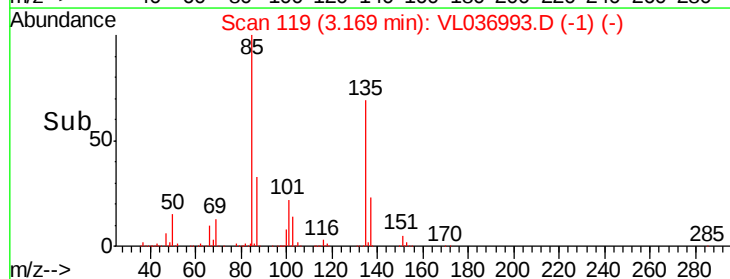
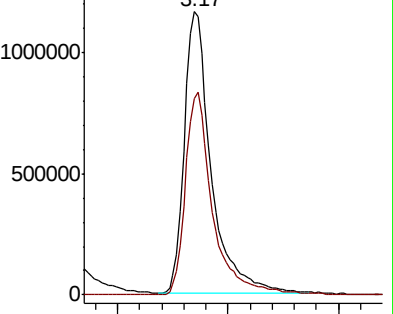
85 100

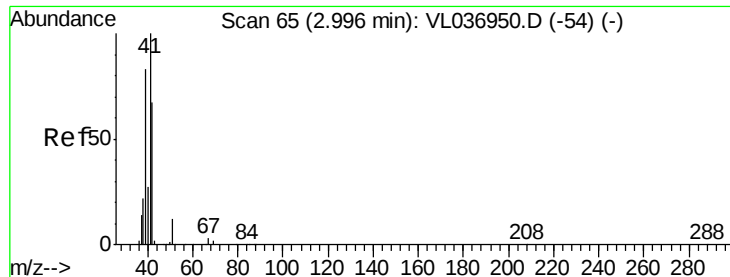
135 73.8 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.278 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL036993.D

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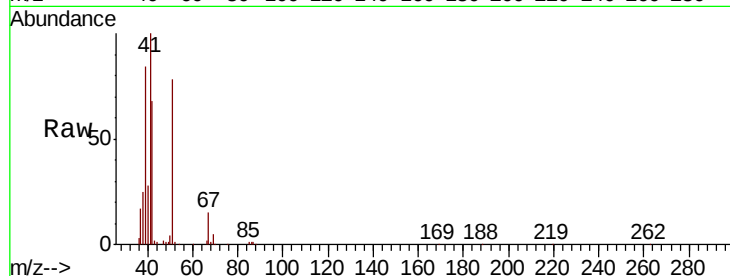
VL0519ABS01

Tot Ion: 41 Resp: 767735

Ion Ratio Lower Upper

41 100

42 67.8 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.99

400000

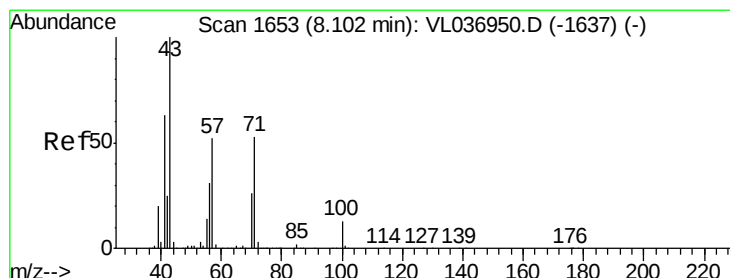
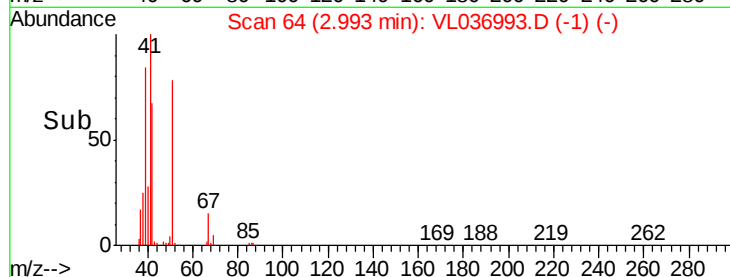
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 9.510 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL036993.D

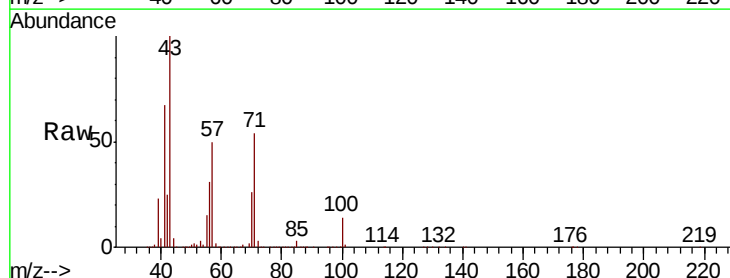
Acq: 19 May 2021 15:29

Tgt Ion: 43 Resp: 1961189

Ion Ratio Lower Upper

43 100

57 50.2 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.10

1000000

800000

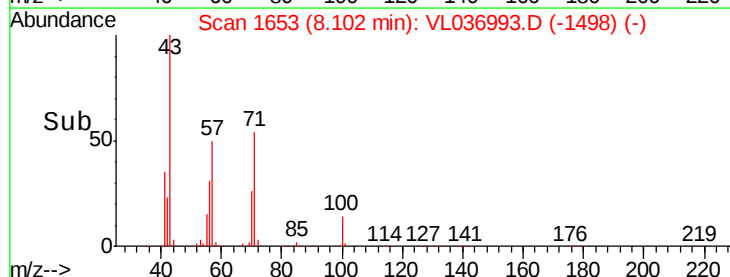
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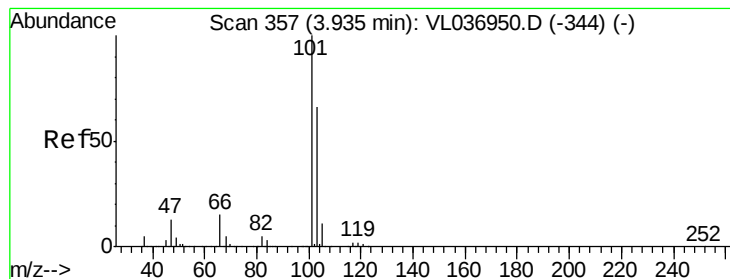
400000

200000

0

Time-->





#11

Trichlorofluoromethane

Concen: 10.276 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

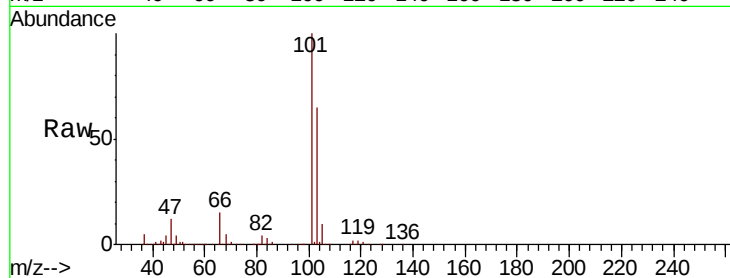
VL0519ABS01

Tot Ion:101 Resp: 2035285

Ion Ratio Lower Upper

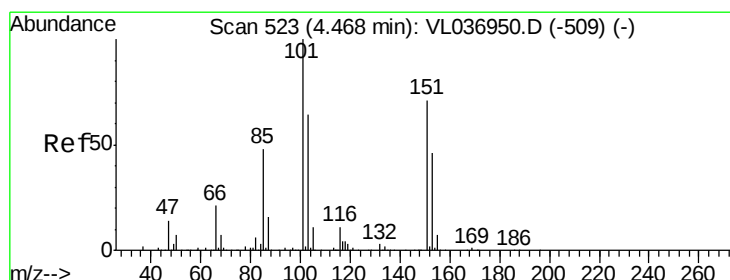
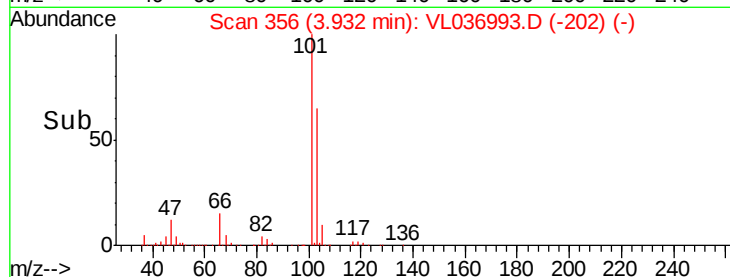
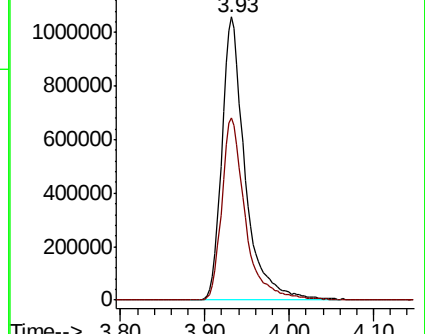
101 100

103 64.5 52.6 79.0



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: 9.933 ppbv

RT: 4.47 min Scan# 522

Delta R.T. -0.00 min

Lab File: VL036993.D

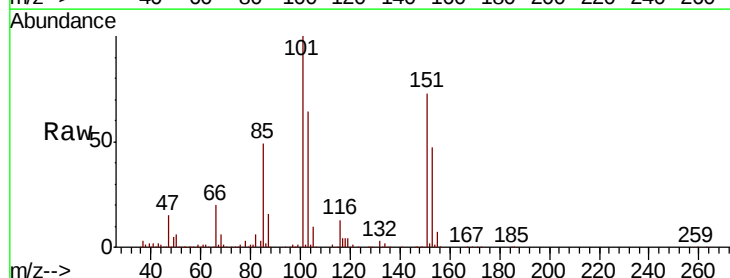
Acq: 19 May 2021 15:29

Tgt Ion:101 Resp: 1401395

Ion Ratio Lower Upper

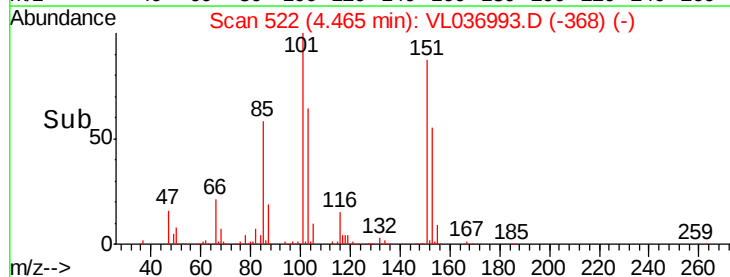
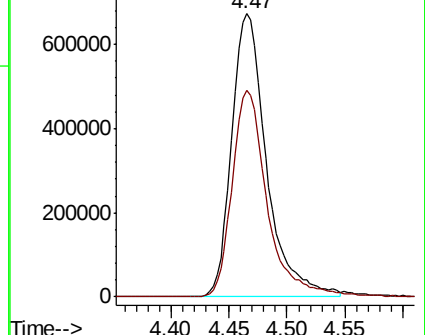
101 100

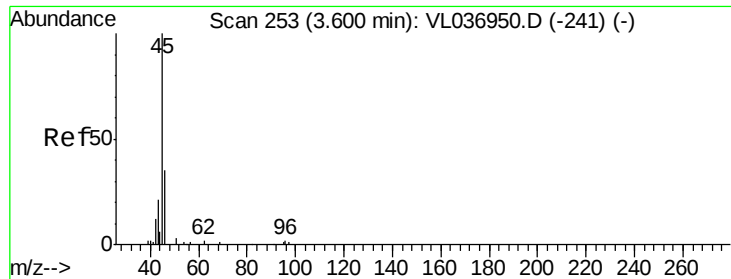
151 73.7 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 2.015 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

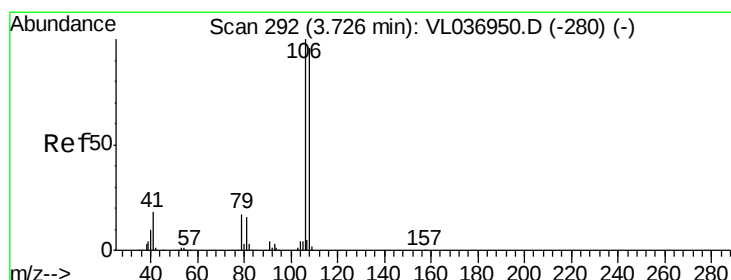
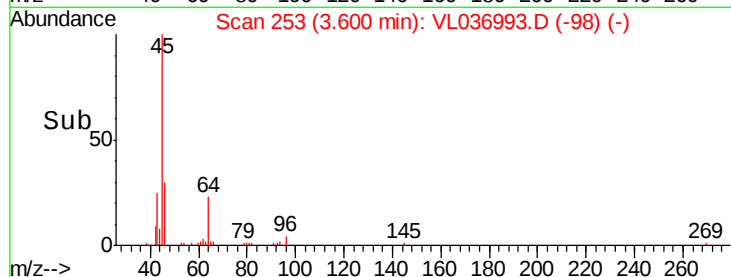
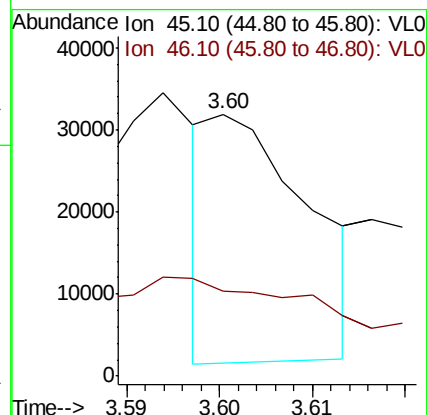
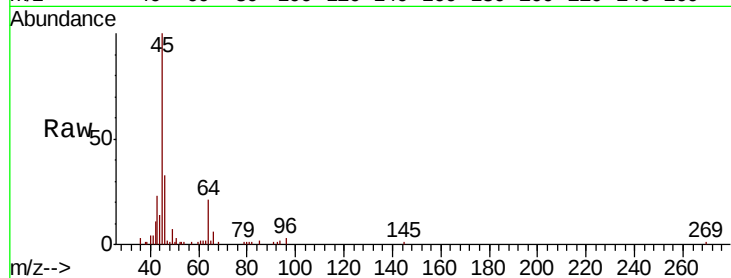
VL0519ABS01

Tot Ion: 45 Resp: 22248

Ion Ratio Lower Upper

45 100

46 0.0 16.3 65.3#



#14

Bromoethene

Concen: 10.074 ppbv

RT: 3.72 min Scan# 290

Delta R.T. -0.01 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

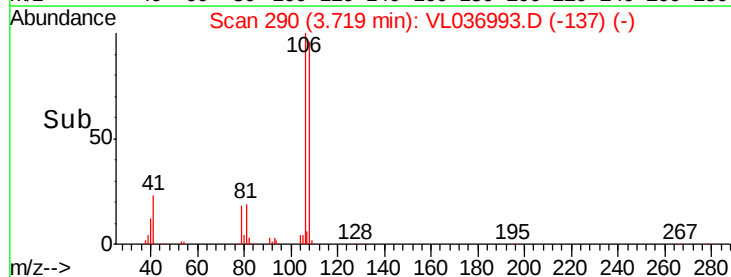
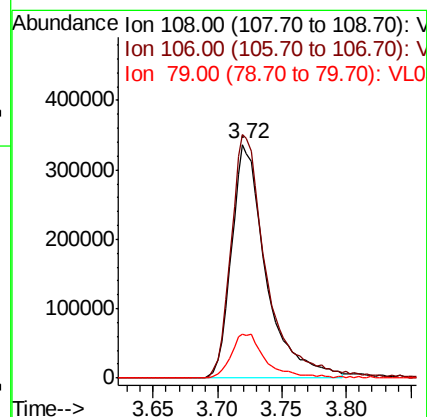
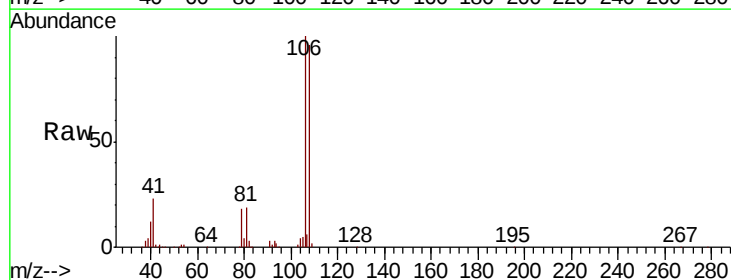
Tgt Ion: 108 Resp: 626016

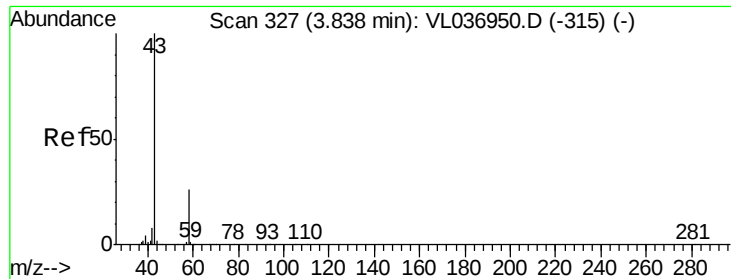
Ion Ratio Lower Upper

108 100

106 108.3 86.5 129.7

79 19.4 15.0 22.4





#15

Acetone

Concen: 8.059 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

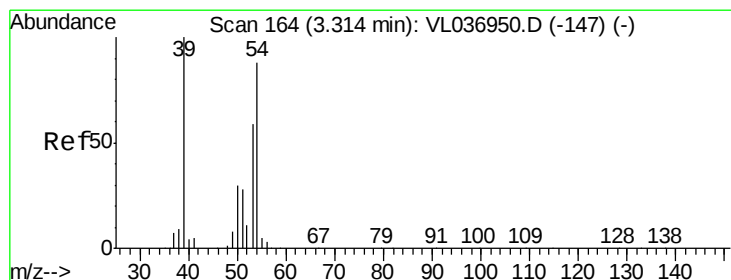
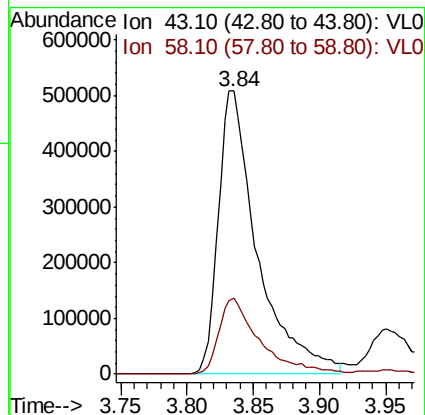
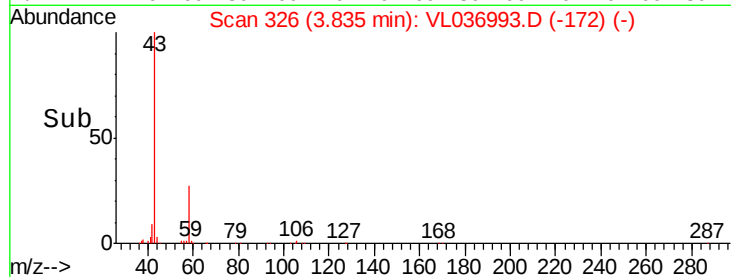
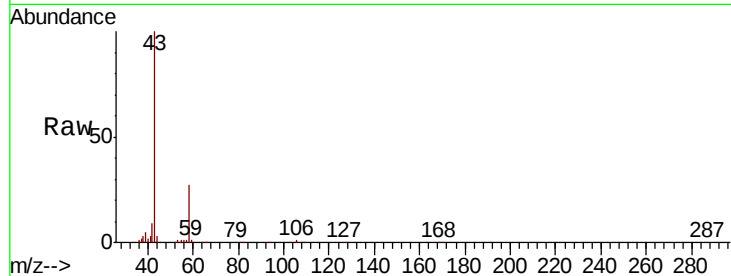
VL0519ABS01

Tot Ion: 43 Resp: 1041185

Ion Ratio Lower Upper

43 100

58 27.9 24.0 36.0



#16

1,3-Butadiene

Concen: 9.735 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.00 min

Lab File: VL036993.D

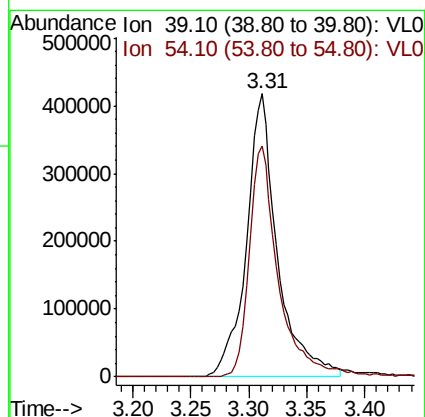
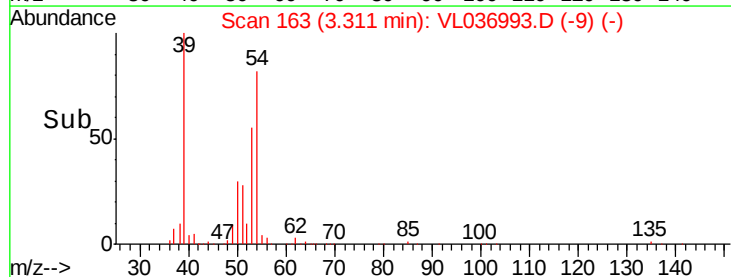
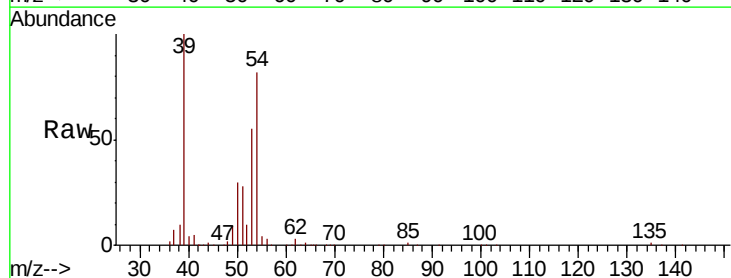
Acq: 19 May 2021 15:29

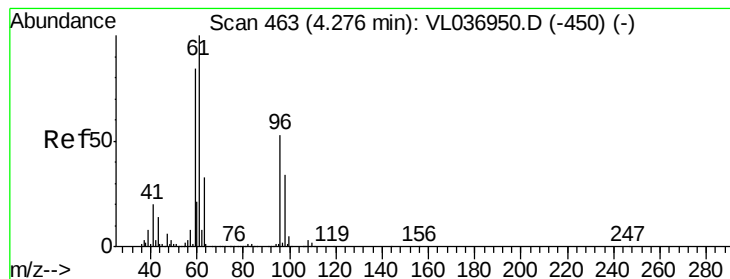
Tgt Ion: 39 Resp: 781435

Ion Ratio Lower Upper

39 100

54 77.2 63.2 94.8



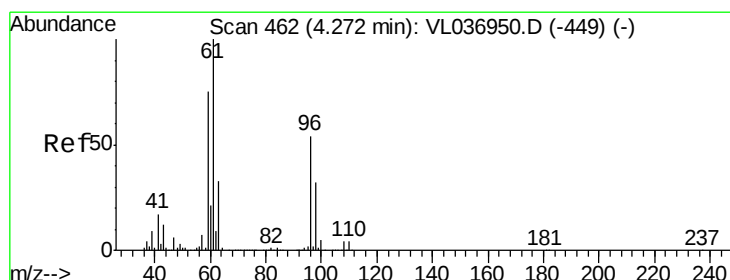
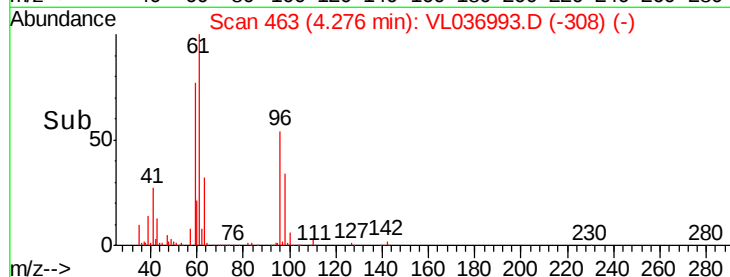
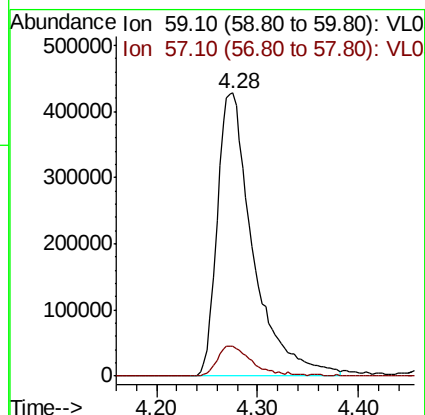
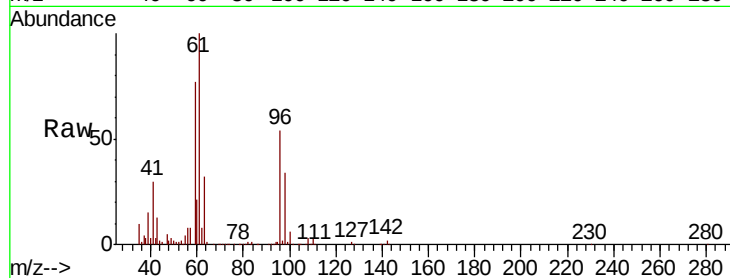


#17

tert-Butyl alcohol
Concen: 8.939 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

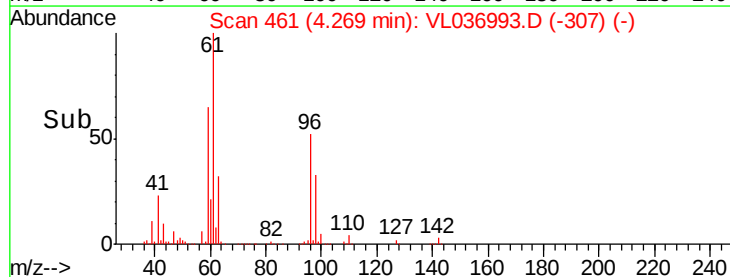
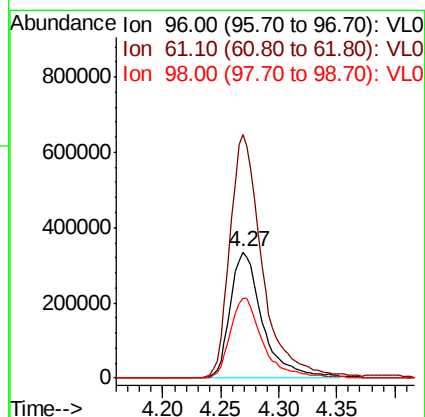
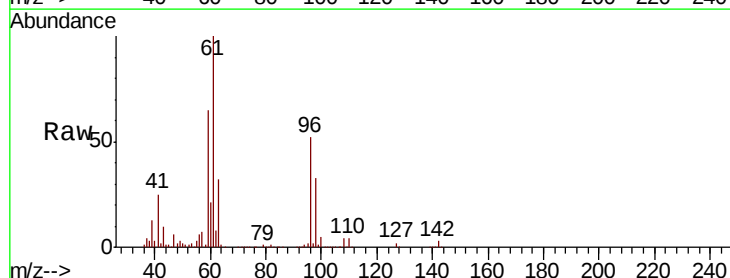
Tot Ion: 59 Resp: 1057874
Ion Ratio Lower Upper
59 100
57 11.1 8.3 12.5

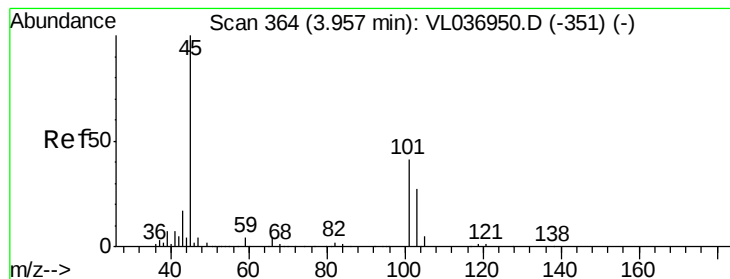


#18

1,1-Dichloroethene
Concen: 9.876 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion: 96 Resp: 644296
Ion Ratio Lower Upper
96 100
61 192.7 148.2 222.4
98 62.9 47.8 71.6





#19

Isopropyl Alcohol

Concen: 8.476 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

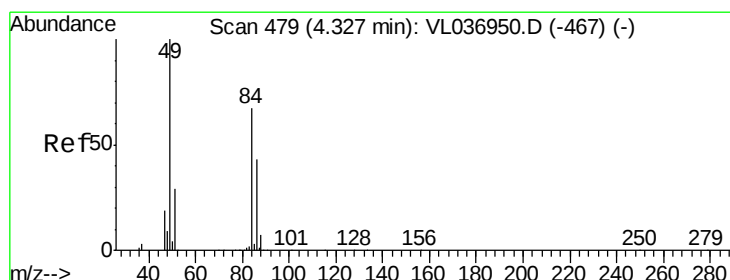
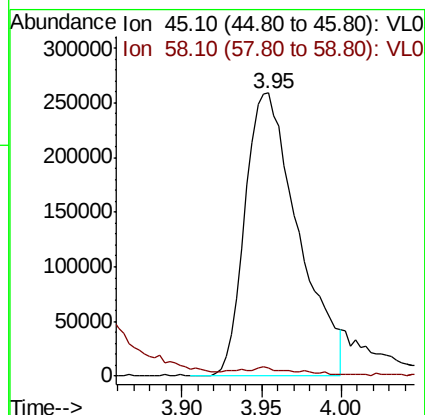
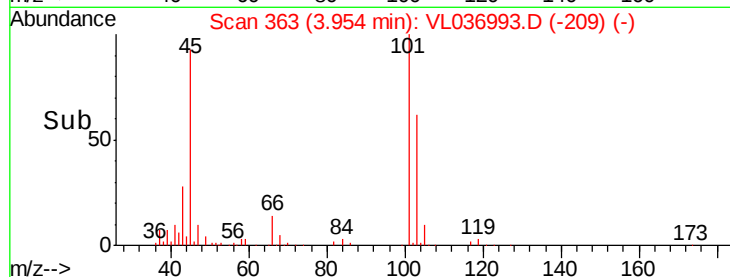
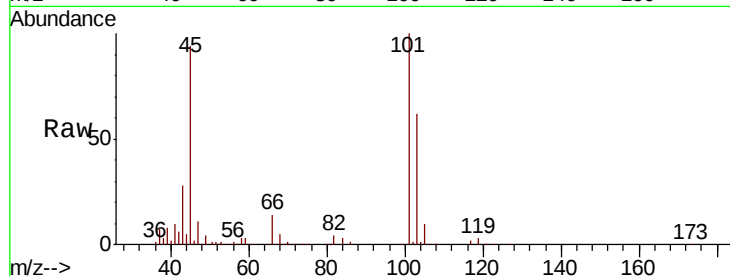
VL0519ABS01

Tot Ion: 45 Resp: 588646

Ion Ratio Lower Upper

45 100

58 3.8 37.2 55.8#



#20

Methylene Chloride

Concen: 7.836 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Tgt Ion: 84 Resp: 542658

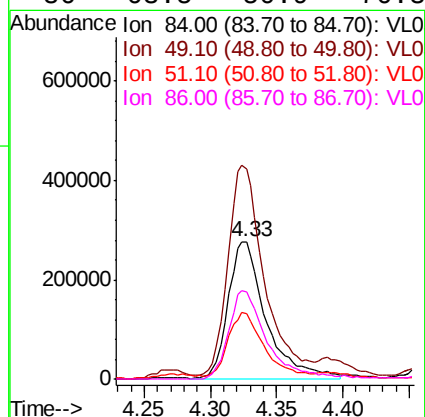
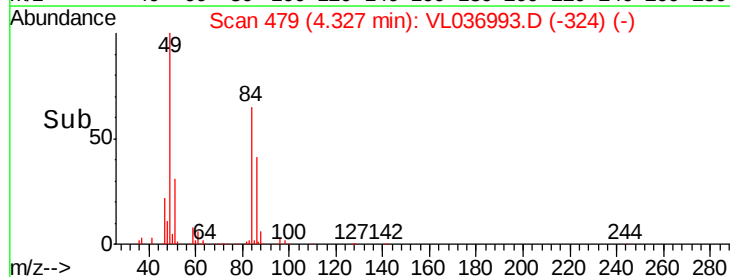
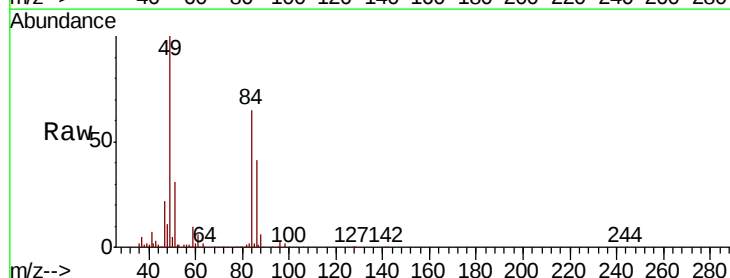
Ion Ratio Lower Upper

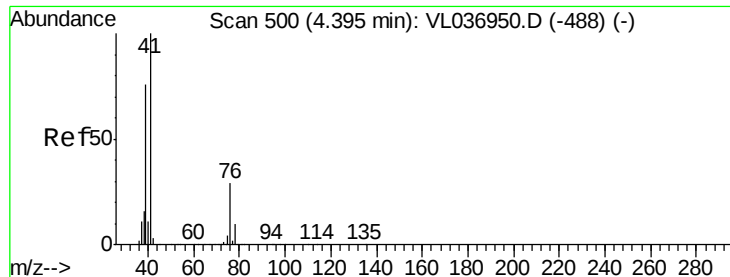
84 100

49 150.8 119.8 179.6

51 44.8 35.1 52.7

86 63.5 50.9 76.3

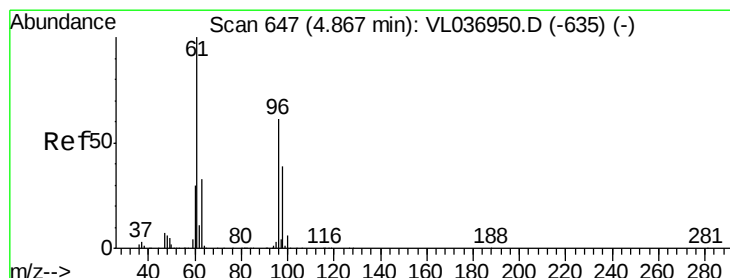
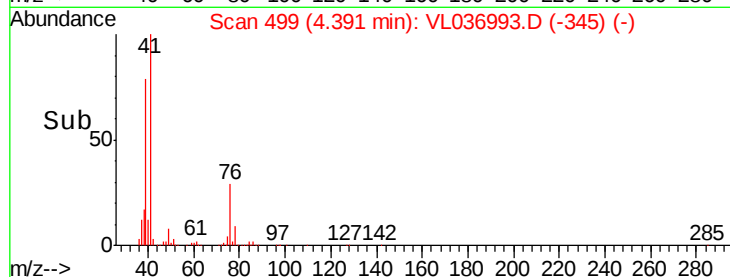
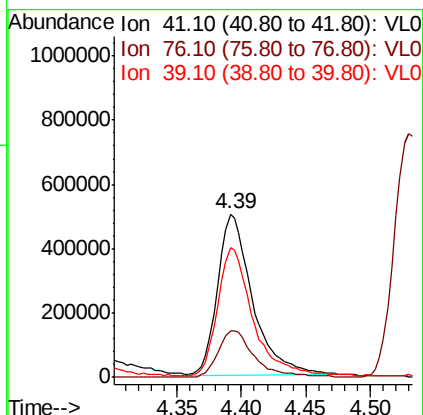
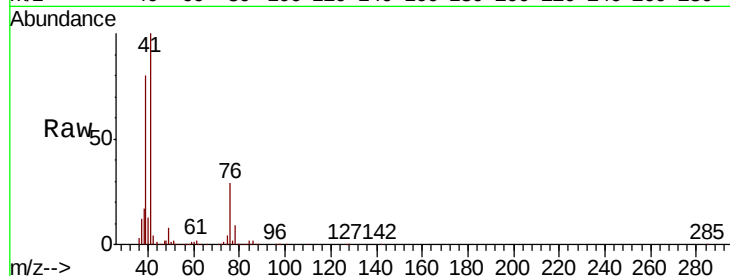




#21
Allvl Chloride
Concen: 9.672 ppbv
RT: 4.39 min Scan# 499
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

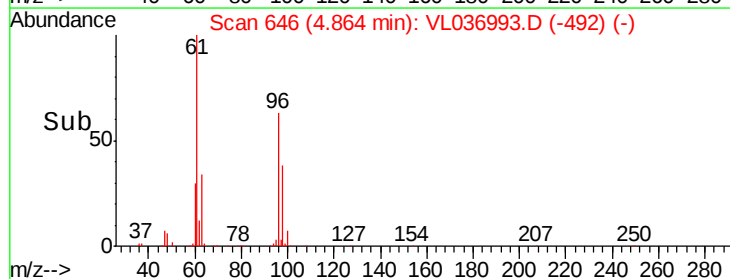
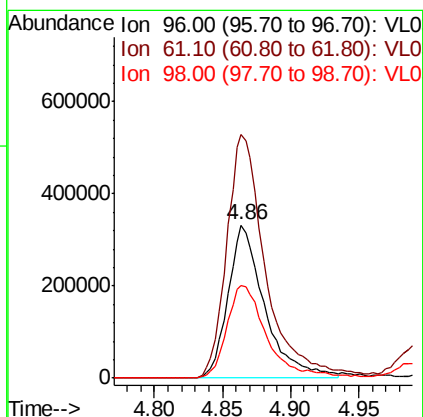
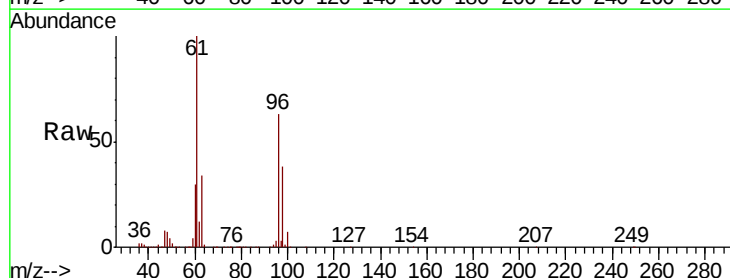
Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

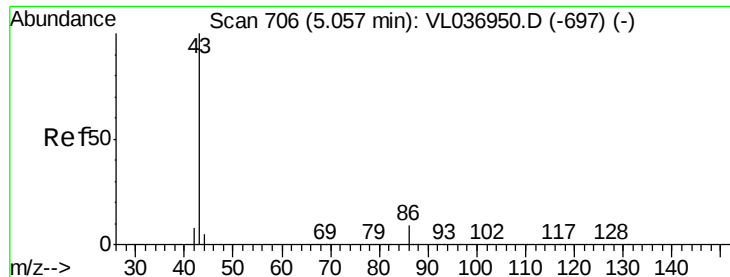
Tot Ion: 41 Resp: 942651
Ion Ratio Lower Upper
41 100
76 30.5 24.9 37.3
39 81.7 63.7 95.5



#22
trans-1,2-Dichloroethene
Concen: 9.914 ppbv
RT: 4.86 min Scan# 646
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion: 96 Resp: 619870
Ion Ratio Lower Upper
96 100
61 159.3 130.6 196.0
98 61.0 50.8 76.2





#23

Vinyl Acetate

Concen: 9.830 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

Tot Ion: 43 Resp: 2015859

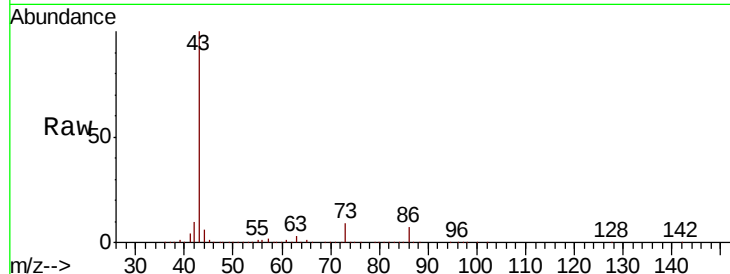
Ion Ratio Lower Upper

43 100

86 7.1 5.8 8.8

42 9.6 7.4 11.2

44 4.9 3.3 4.9

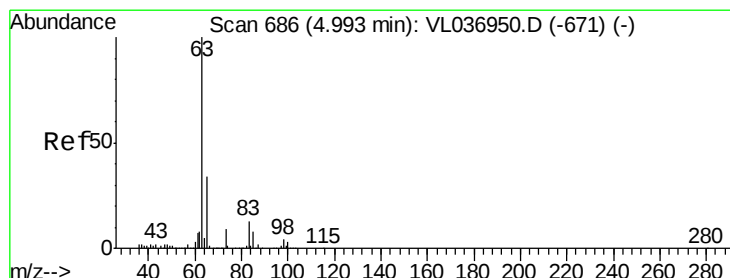
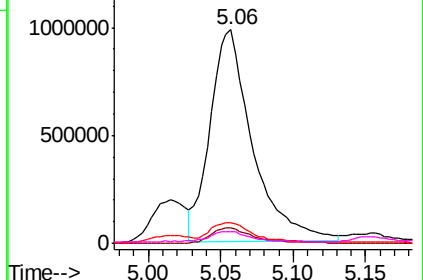
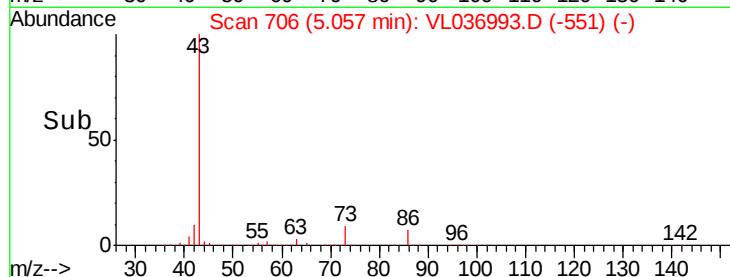


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.367 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

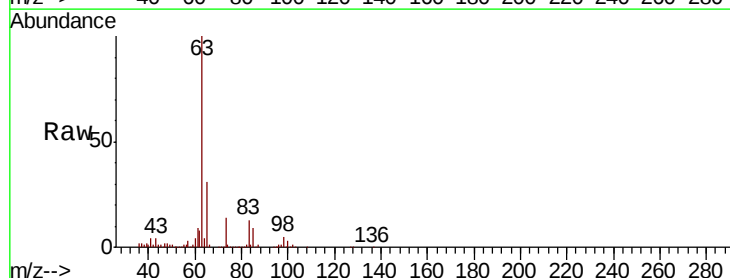
Tgt Ion: 63 Resp: 1530315

Ion Ratio Lower Upper

63 100

98 4.4 2.3 6.9

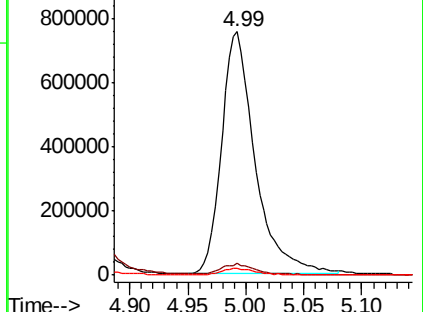
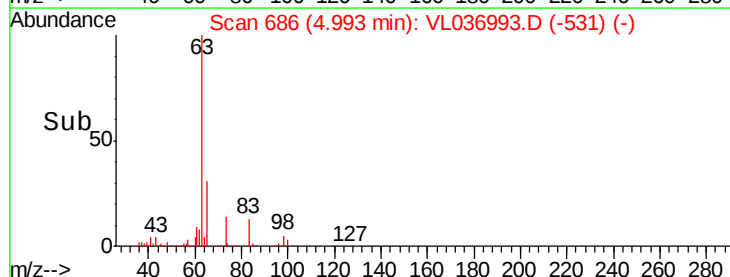
100 2.9 1.4 4.0

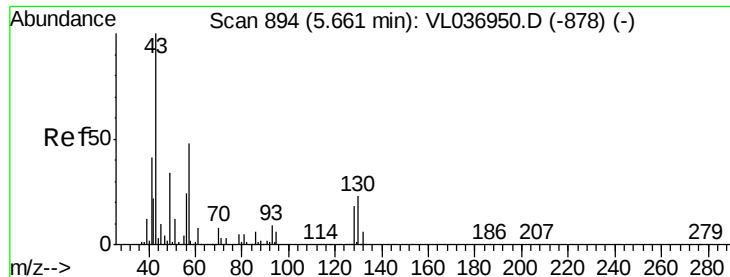


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.561 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

Tot Ion: 43 Resp: 2968451

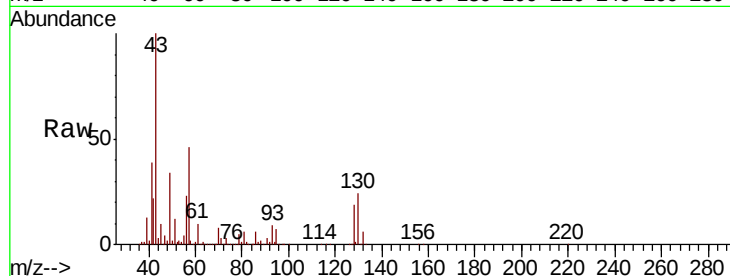
Ion Ratio Lower Upper

43 100

45 9.8 7.8 11.8

61 10.2 7.8 11.8

70 6.9 5.6 8.4

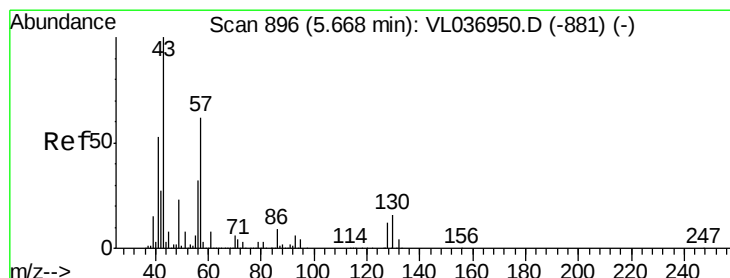
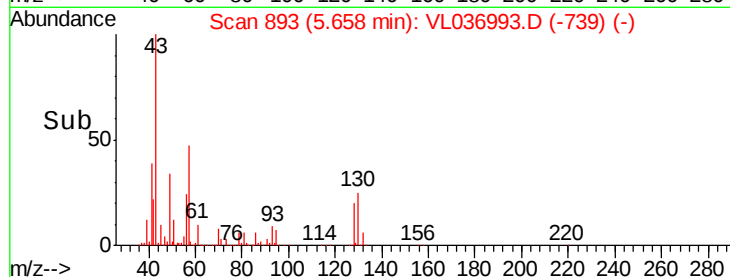
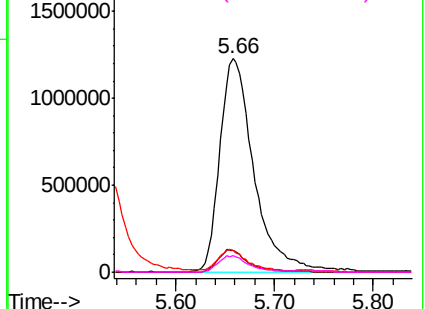


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.048 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Tgt Ion: 57 Resp: 1435079

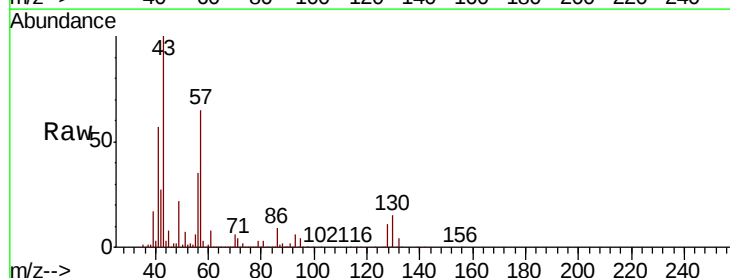
Ion Ratio Lower Upper

57 100

41 91.1 70.5 105.7

43 210.0 165.8 248.8

56 53.3 42.2 63.4

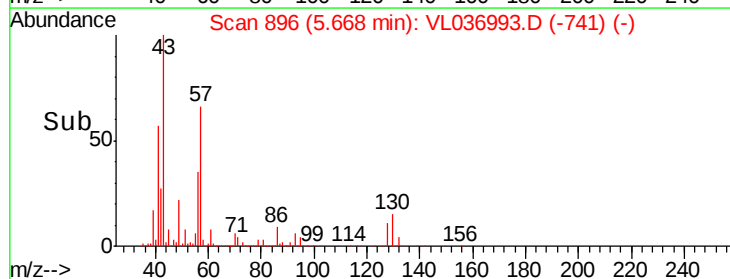
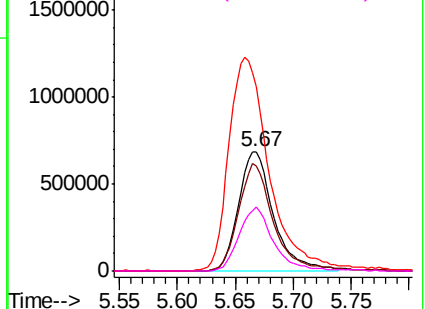


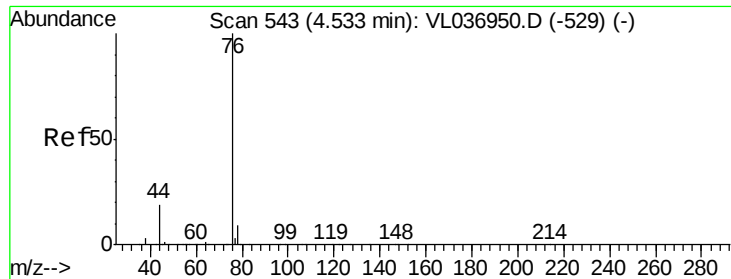
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.620 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

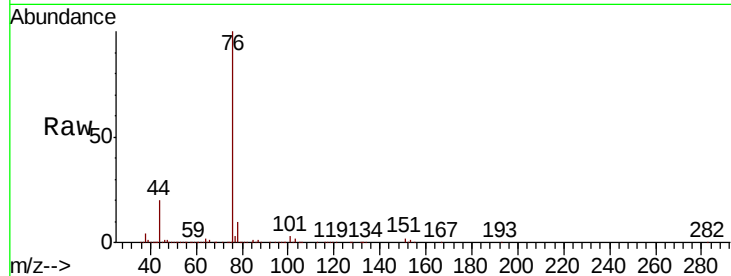
Tot Ion: 76 Resp: 1537734

Ion Ratio Lower Upper

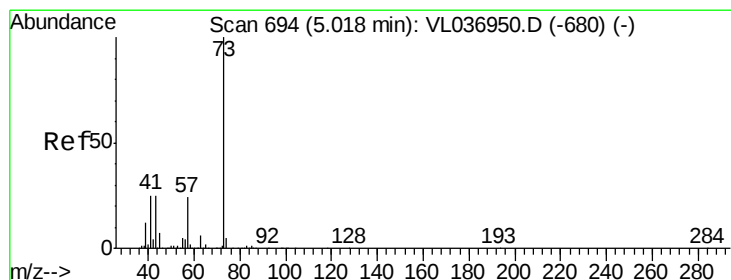
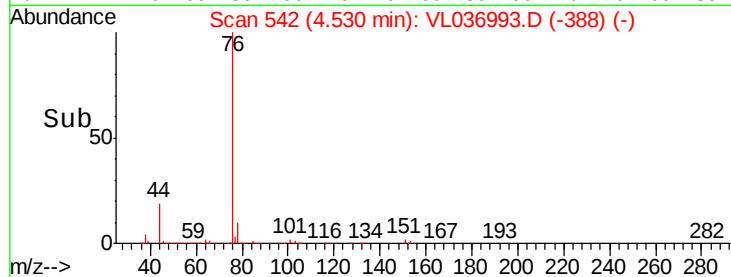
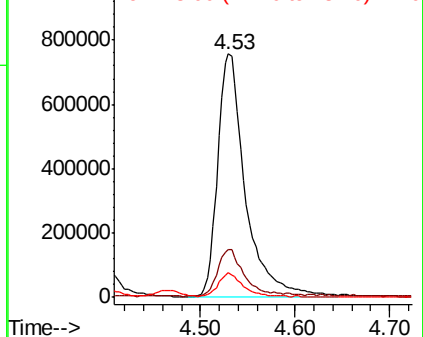
76 100

44 19.2 15.5 23.3

78 9.5 7.8 11.6



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: 9.092 ppbv

RT: 5.02 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL036993.D

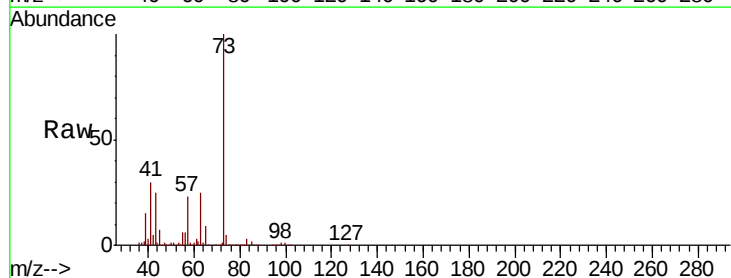
Acq: 19 May 2021 15:29

Tgt Ion: 73 Resp: 1728541

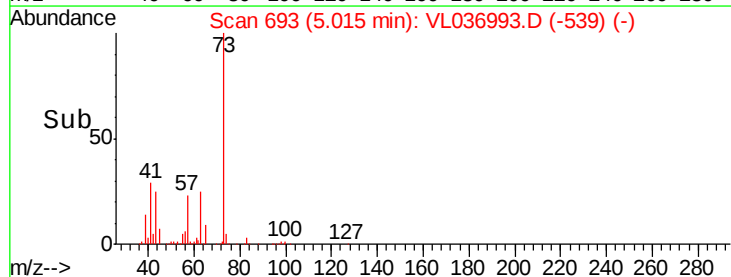
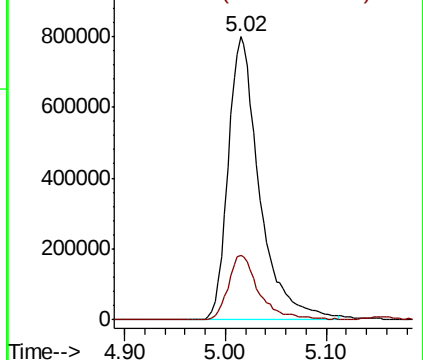
Ion Ratio Lower Upper

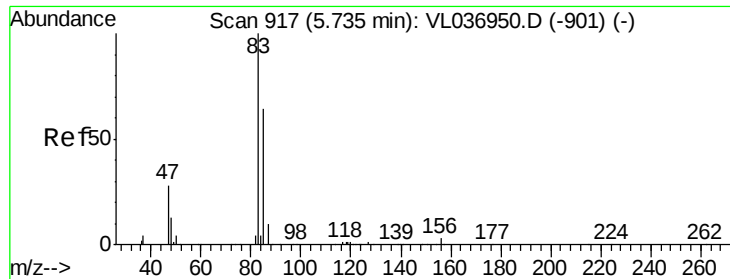
73 100

57 22.7 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

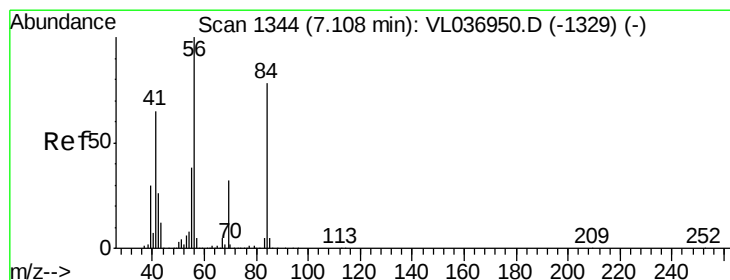
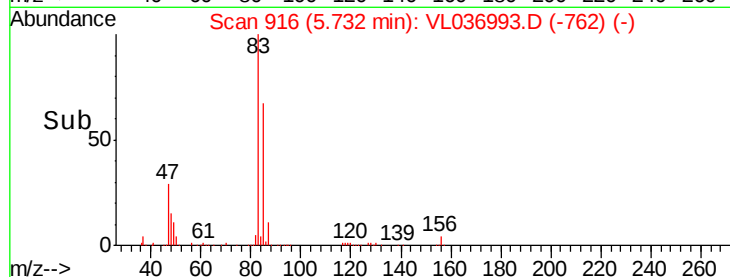
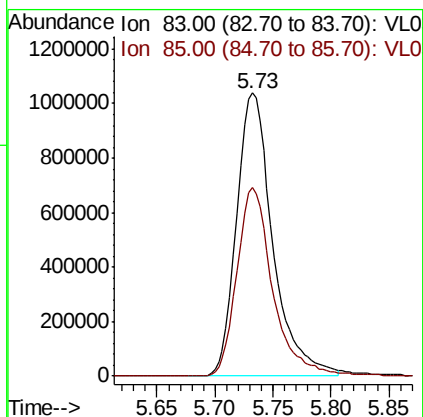
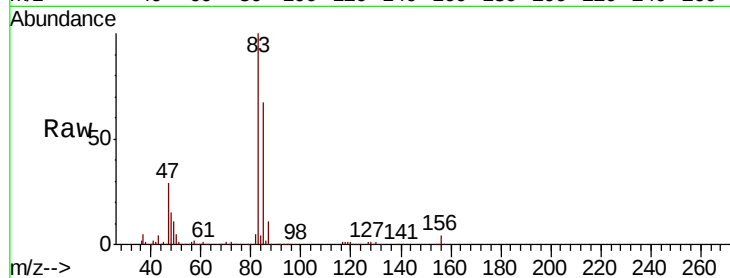




#29
Chloroform
Concen: 10.059 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

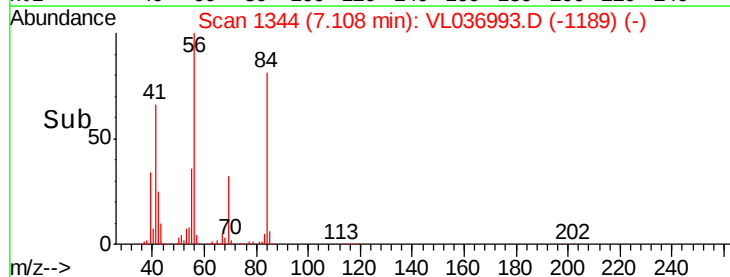
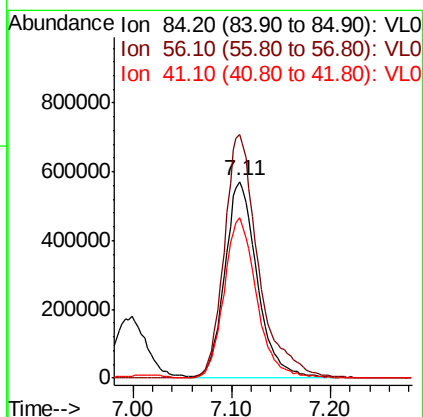
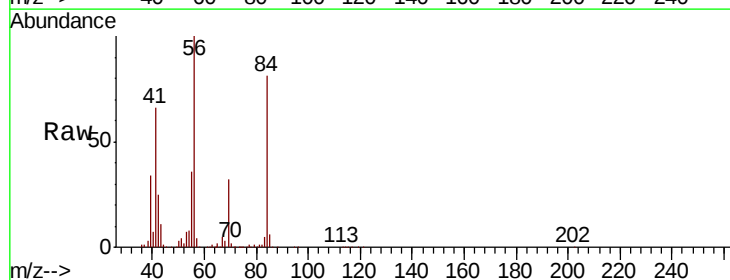
Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

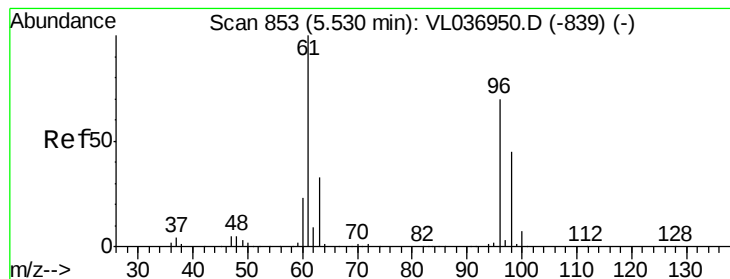
Tot Ion: 83 Resp: 2253982
Ion Ratio Lower Upper
83 100
85 66.4 51.1 76.7



#30
Cyclohexane
Concen: 9.677 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion: 84 Resp: 1304247
Ion Ratio Lower Upper
84 100
56 131.9 107.9 161.9
41 82.9 65.5 98.3





#31

cis-1,2-Dichloroethene

Concen: 10.179 ppbv

RT: 5.53 min Scan# 853

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

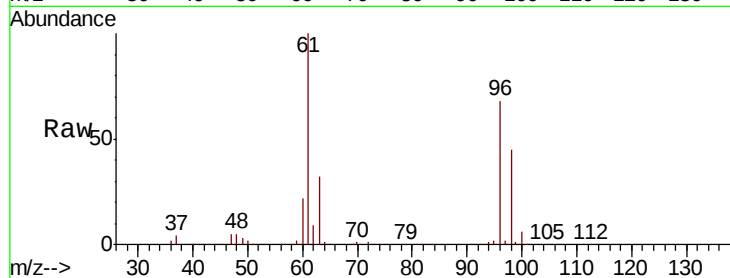
Tot Ion: 61 Resp: 1447364

Ion Ratio Lower Upper

61 100

96 68.0 55.9 83.9

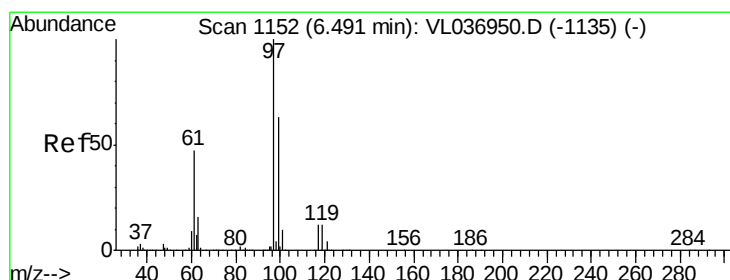
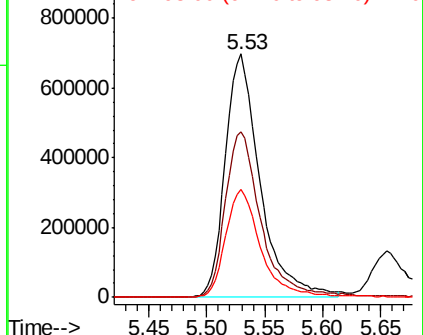
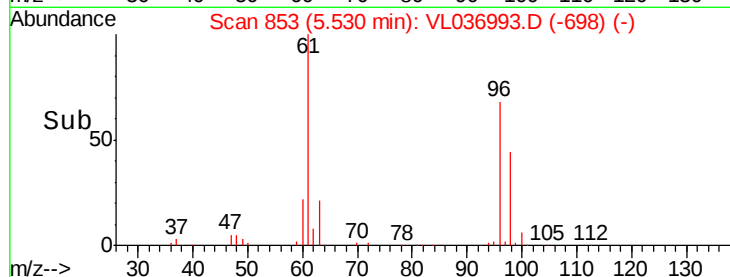
98 44.6 35.6 53.4



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: 9.527 ppbv

RT: 6.49 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

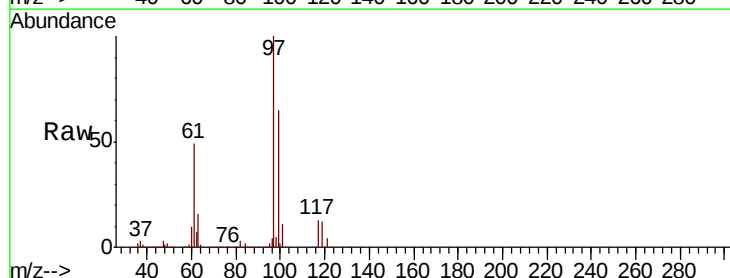
Tgt Ion: 97 Resp: 2292280

Ion Ratio Lower Upper

97 100

99 65.2 51.9 77.9

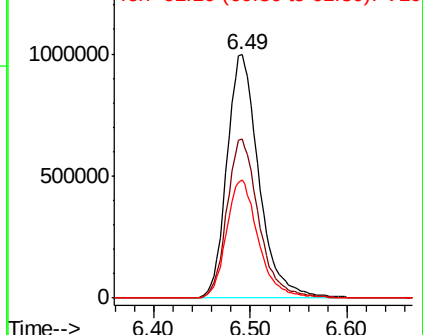
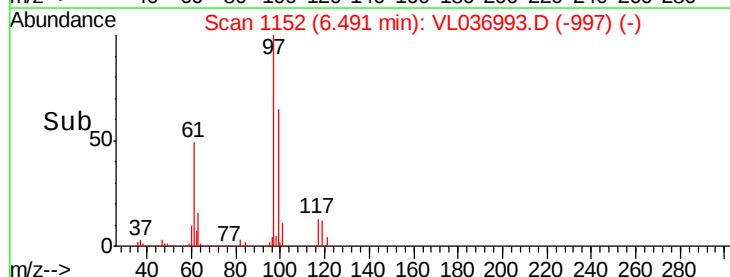
61 48.6 37.6 56.4

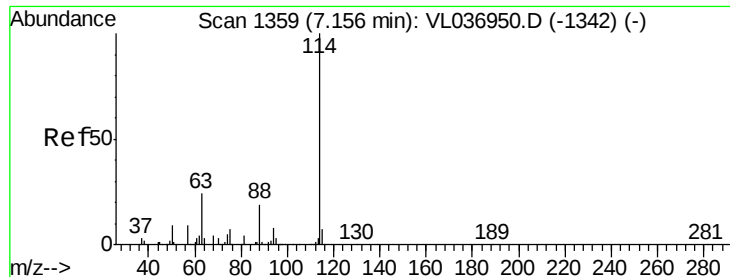


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

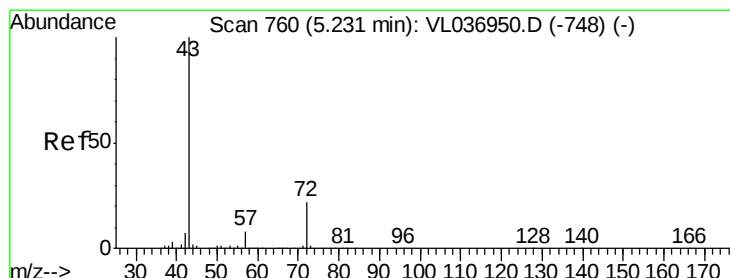
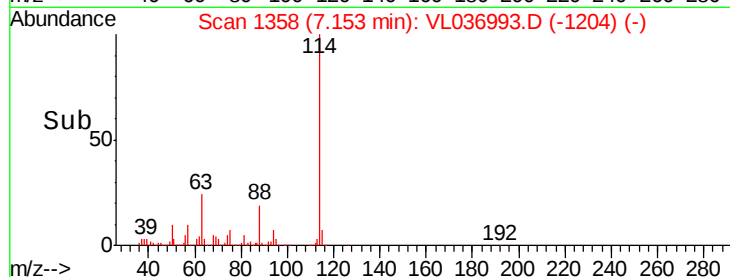
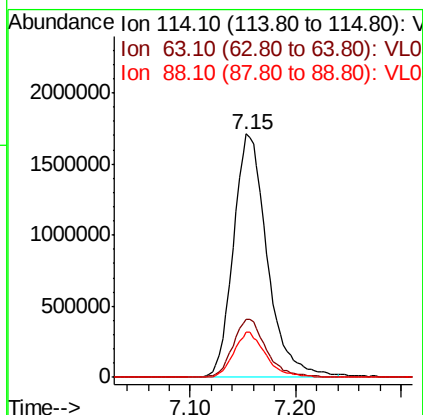
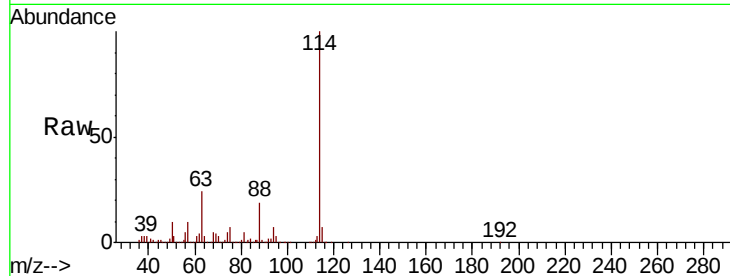




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

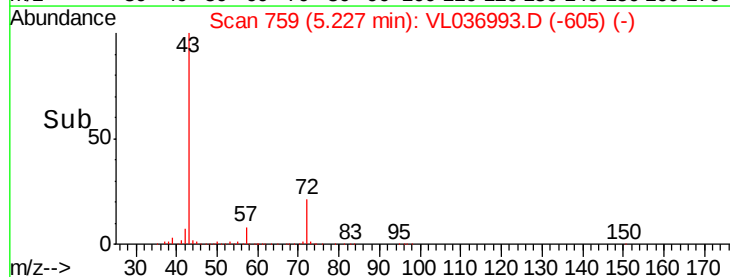
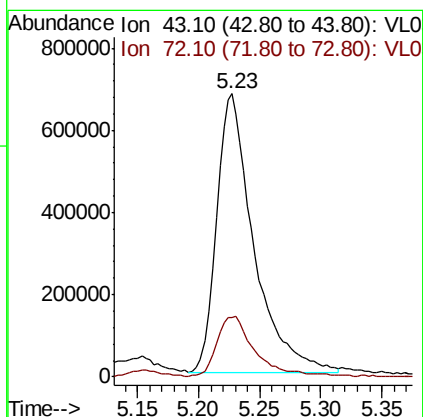
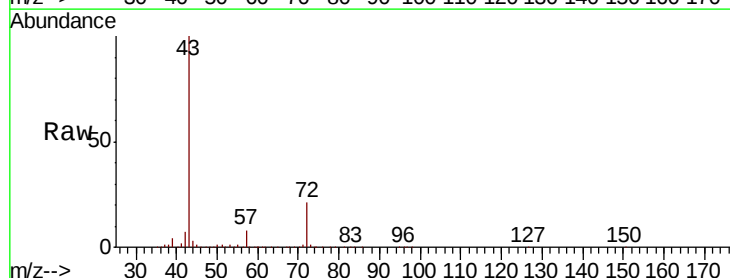
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0519ABS01

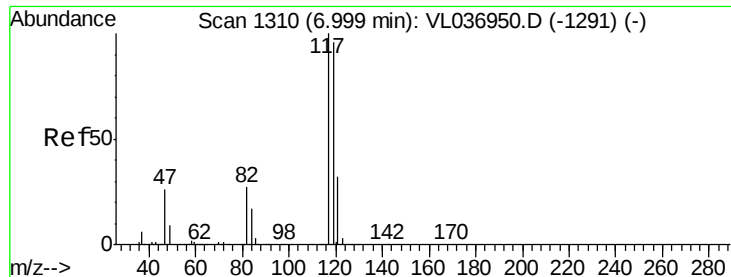
Tot Ion:114 Resp: 3802958
 Ion Ratio Lower Upper
 114 100
 63 23.9 19.6 29.4
 88 17.9 14.6 21.8



#34
 2-Butanone
 Concen: 10.367 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Tgt Ion: 43 Resp: 1435533
 Ion Ratio Lower Upper
 43 100
 72 22.7 19.0 28.4





#35

Carbon Tetrachloride

Concen: 9.681 ppbv

RT: 7.00 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

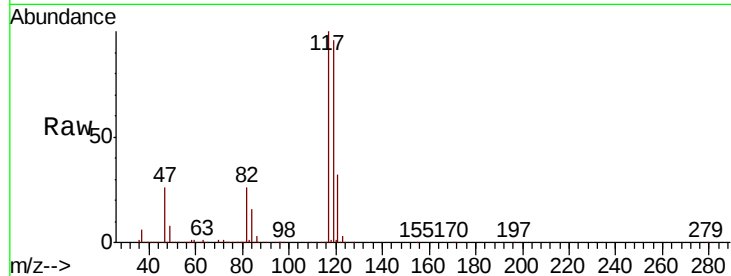
Tot Ion:117 Resp: 2446186

Ion Ratio Lower Upper

117 100

119 96.4 76.6 114.8

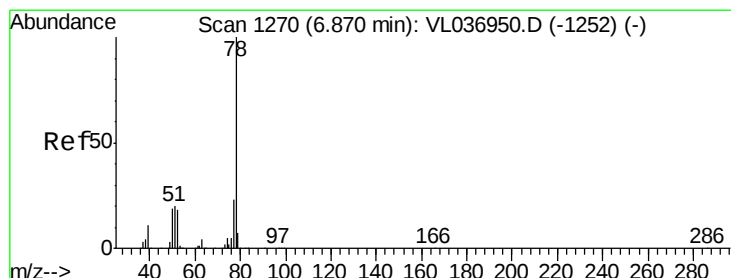
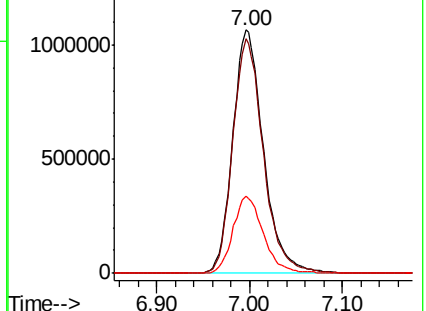
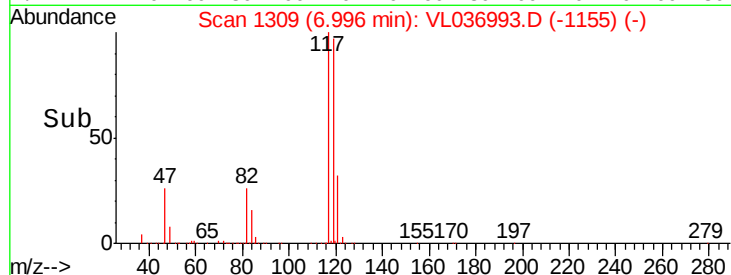
121 31.8 25.8 38.6



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: 9.387 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

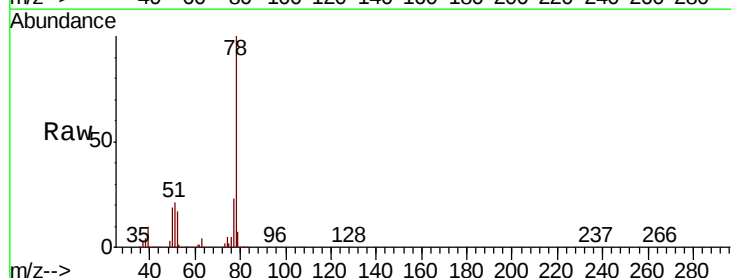
Tgt Ion: 78 Resp: 3074812

Ion Ratio Lower Upper

78 100

77 23.1 18.6 28.0

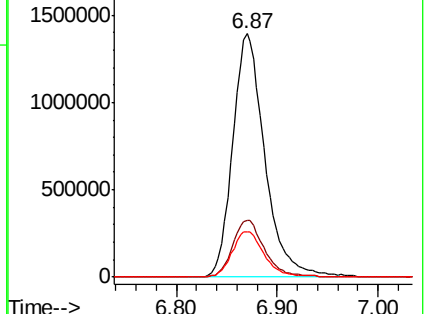
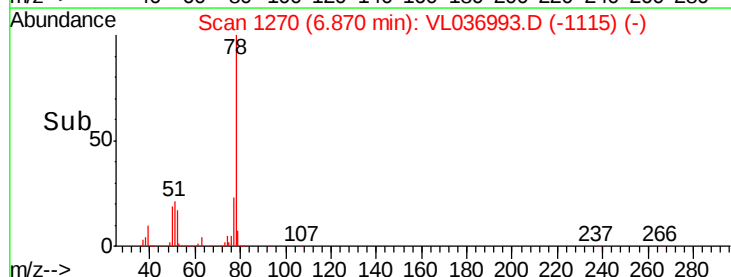
50 18.8 15.0 22.4

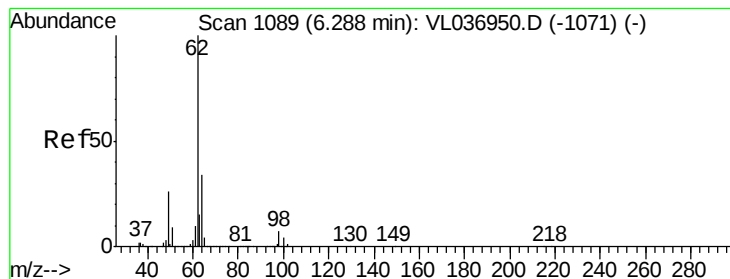


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.472 ppbv

RT: 6.29 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

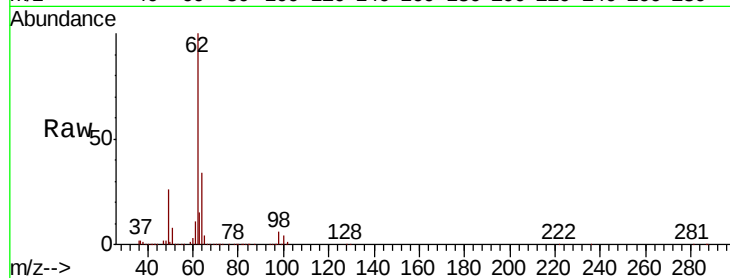
VL0519ABS01

Tot Ion: 62 Resp: 1700632

Ion Ratio Lower Upper

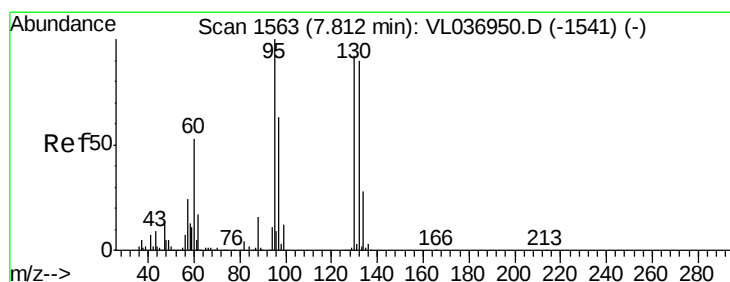
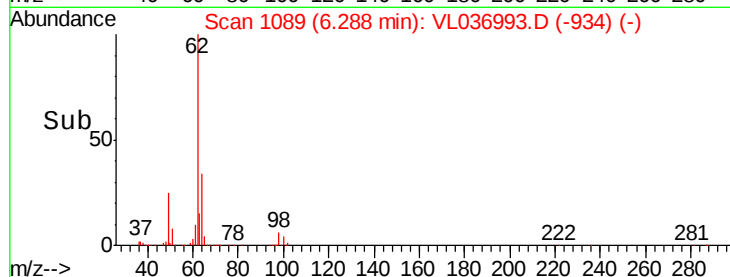
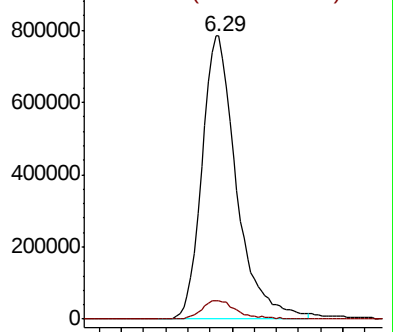
62 100

98 6.8 5.5 8.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 9.049 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Tgt Ion:130 Resp: 1268087

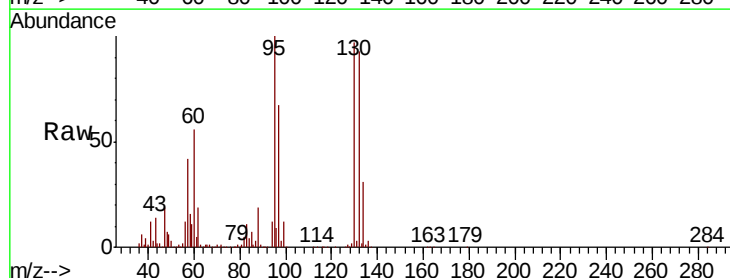
Ion Ratio Lower Upper

130 100

95 103.9 86.9 130.3

132 96.8 78.4 117.6

97 69.3 55.0 82.6

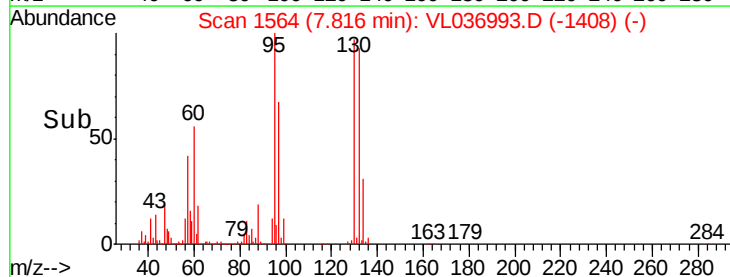
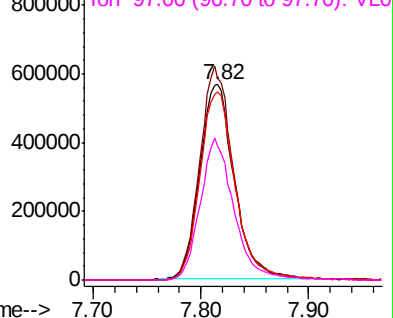


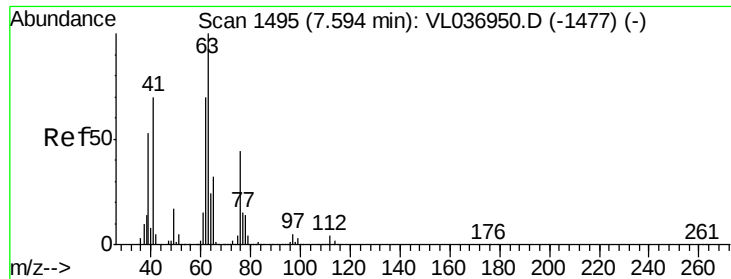
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 9.403 ppbv

RT: 7.59 min Scan# 1495

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

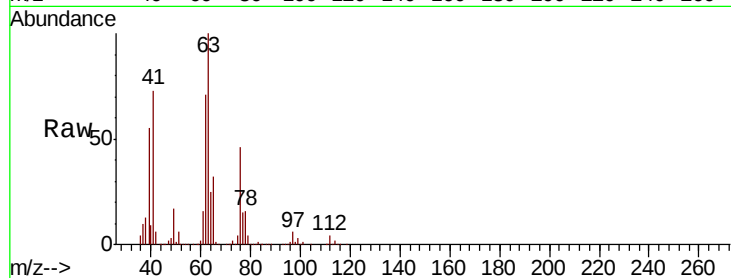
Tot Ion: 63 Resp: 1186533

Ion Ratio Lower Upper

63 100

41 72.7 55.7 83.5

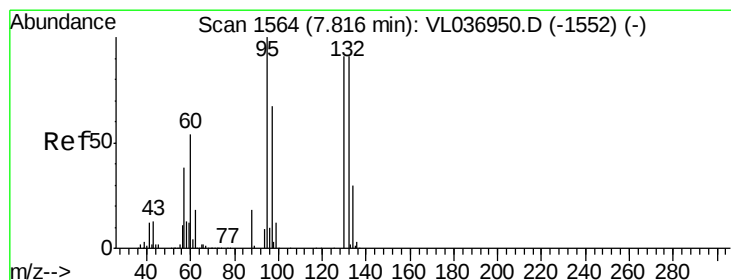
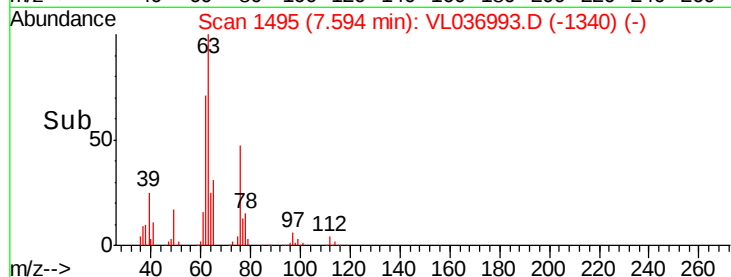
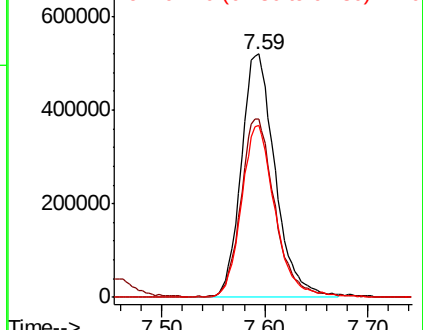
62 70.6 56.2 84.4



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 3.629 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Tgt Ion: 88 Resp: 108133

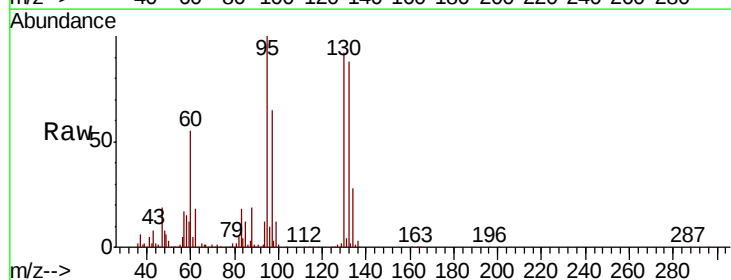
Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

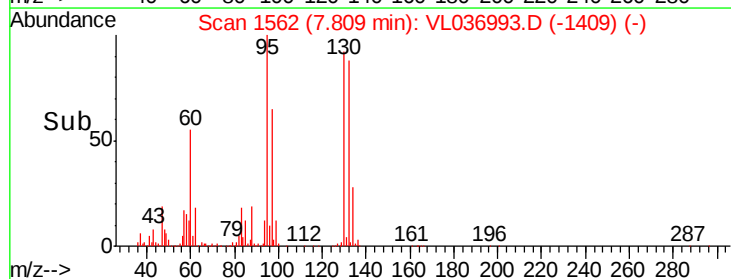
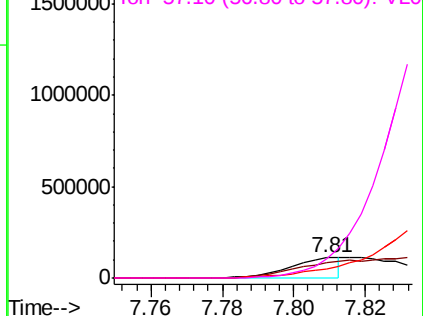


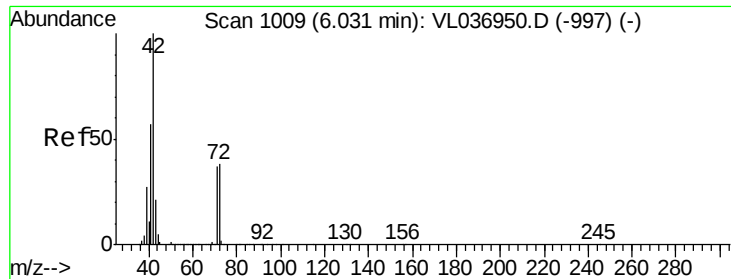
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

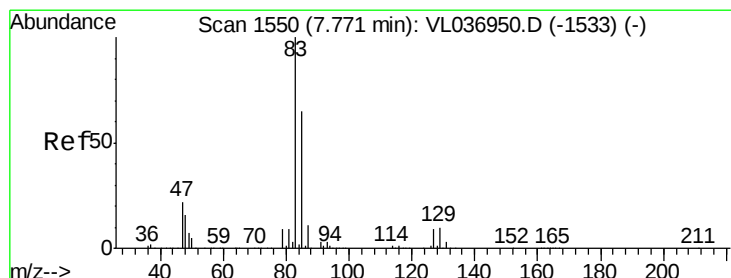
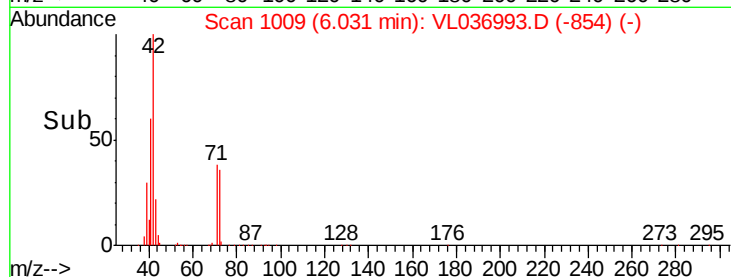
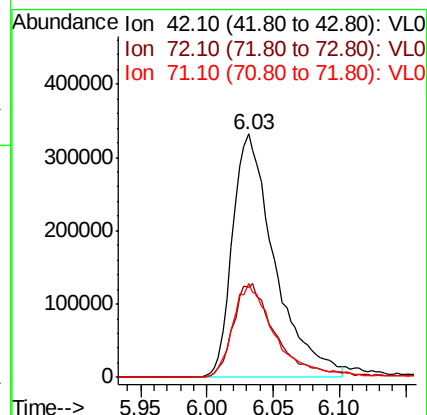
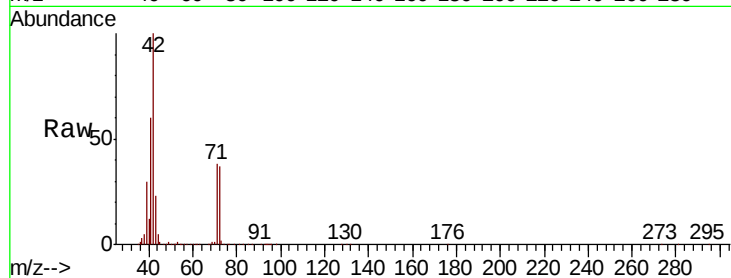




#41
Tetrahydrofuran
Concen: 9.338 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

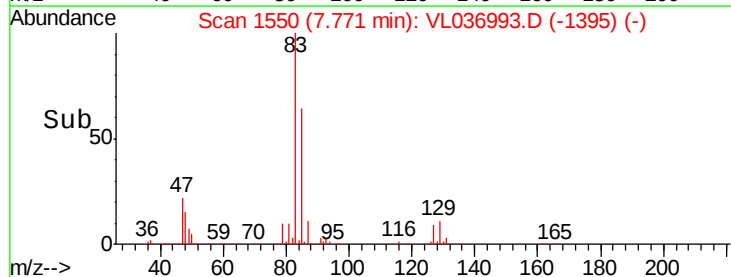
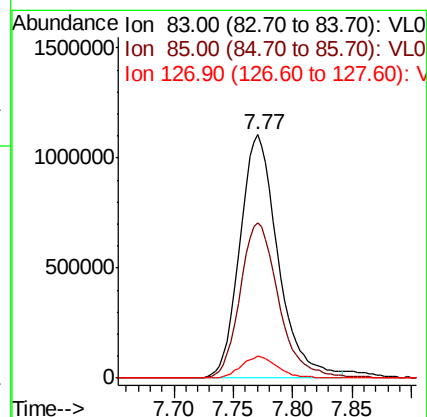
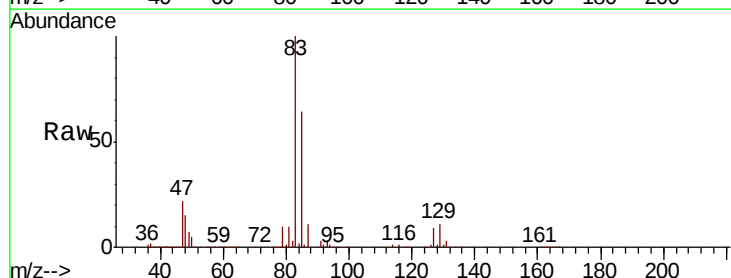
Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

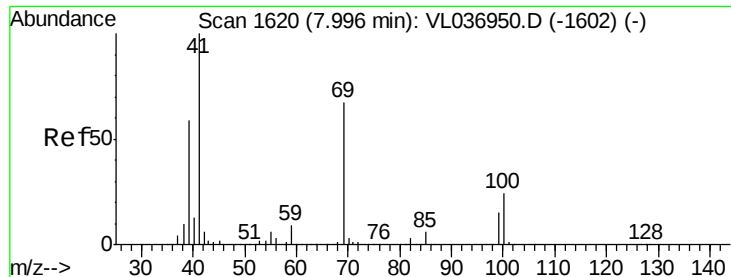
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	31.4	47.2
71	39.7	30.4	45.6



#42
Bromodichloromethane
Concen: 10.025 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.7	77.5
127	8.9	6.9	10.3





#43

Methyl Methacrylate

Concen: 10.064 ppbv

RT: 7.99 min Scan# 1619

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

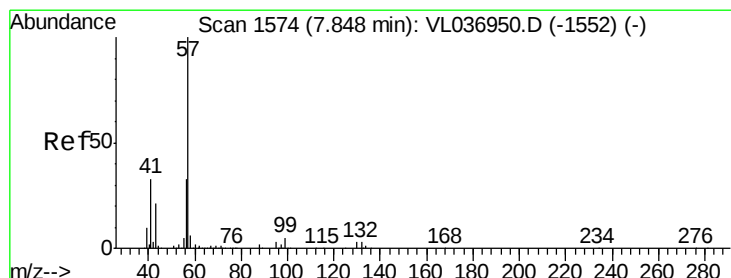
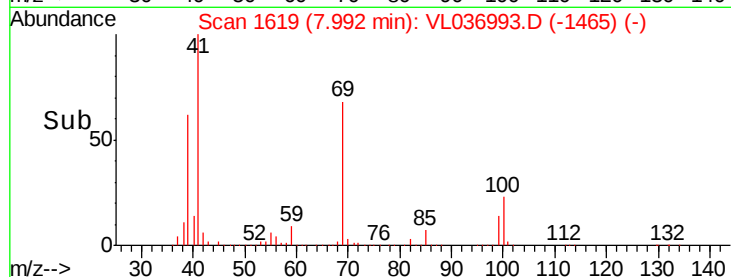
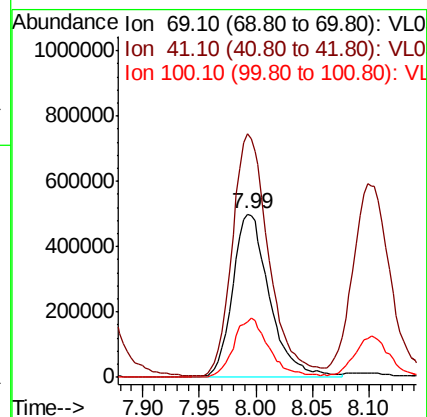
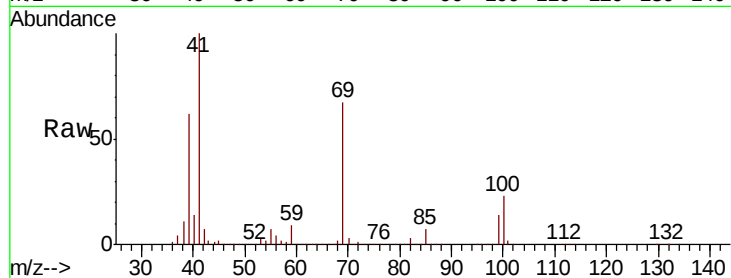
Tot Ion: 69 Resp: 1136298

Ion Ratio Lower Upper

69 100

41 148.2 118.6 178.0

100 34.9 28.2 42.4



#44

2,2,4-Trimethylpentane

Concen: 8.924 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

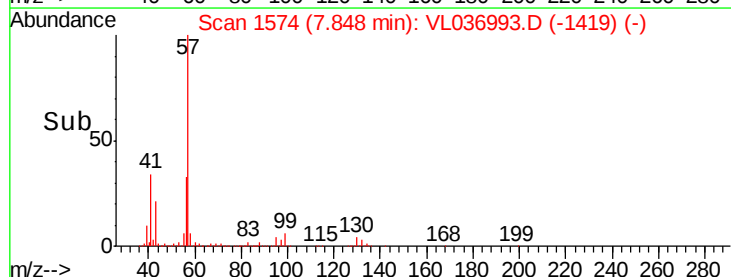
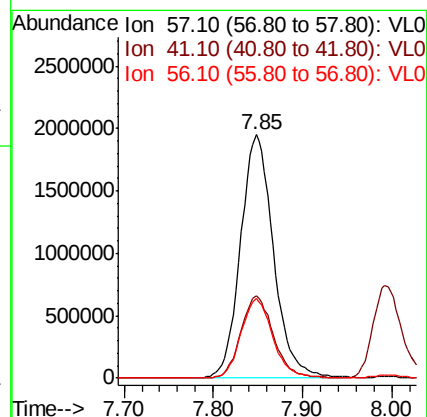
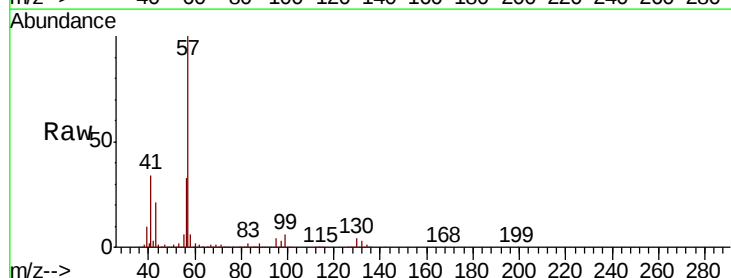
Tgt Ion: 57 Resp: 5015461

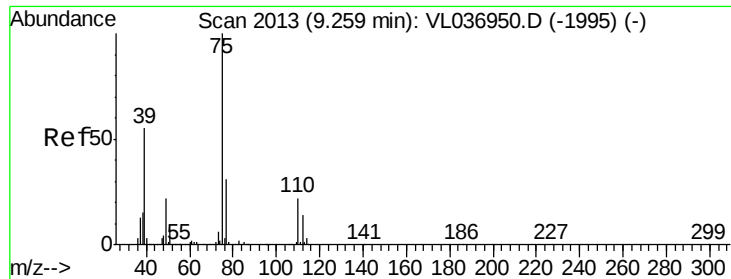
Ion Ratio Lower Upper

57 100

41 33.4 27.0 40.4

56 31.7 25.4 38.2

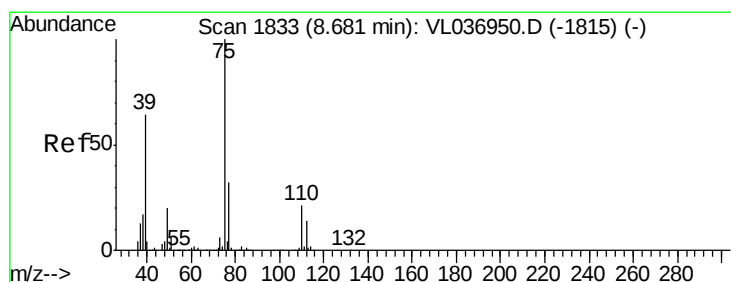
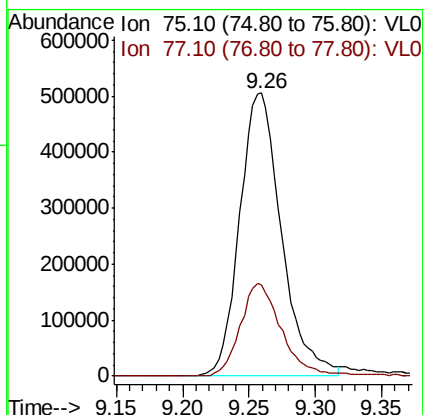
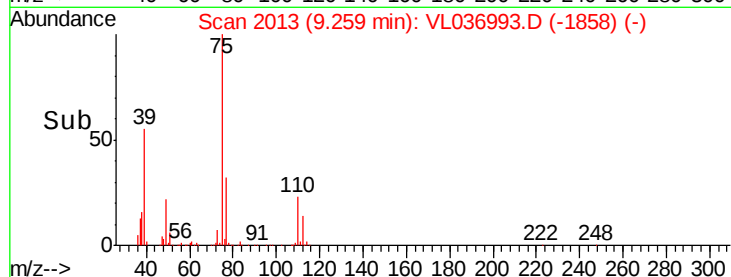
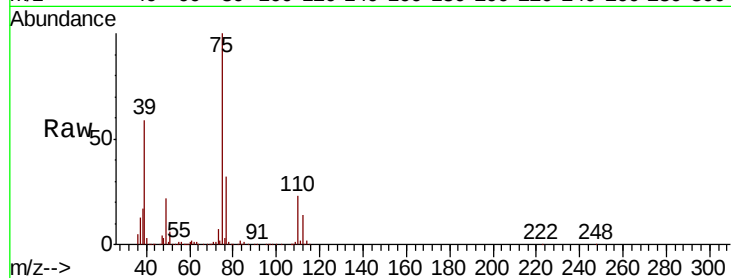




#45
 t-1,3-Dichloropropene
 Concen: 12.767 ppbv
 RT: 9.26 min Scan# 2013
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

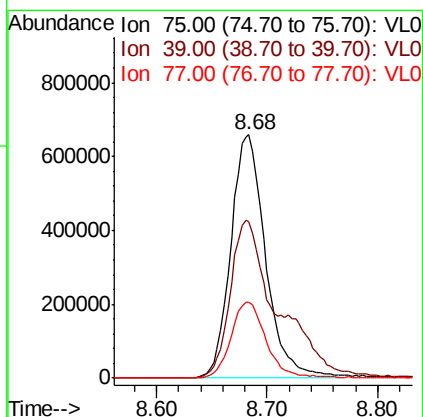
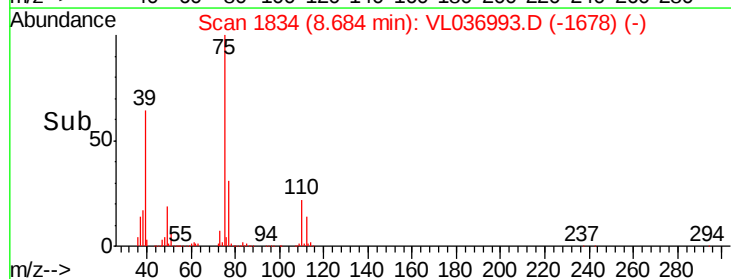
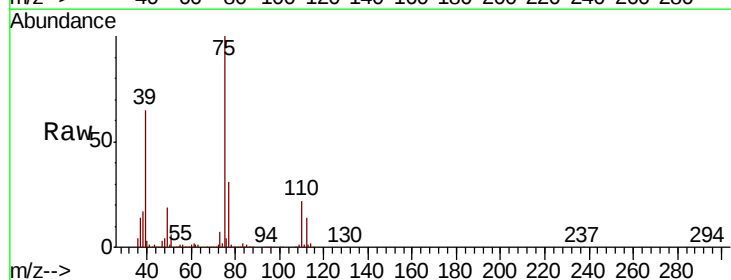
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0519ABS01

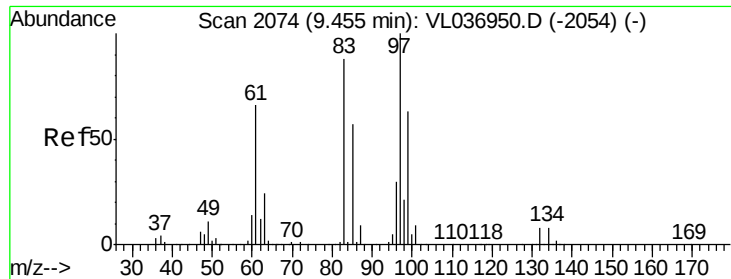
Tot Ion: 75 Resp: 1101227
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.4 36.6



#46
 cis-1,3-Dichloropropene
 Concen: 12.404 ppbv
 RT: 8.68 min Scan# 1834
 Delta R.T. 0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Tgt Ion: 75 Resp: 1439082
 Ion Ratio Lower Upper
 75 100
 39 64.5 51.5 77.3
 77 31.0 25.9 38.9



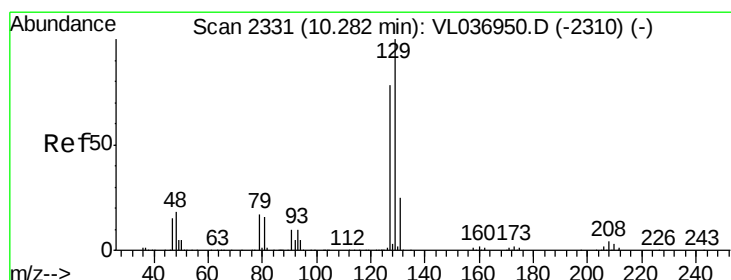
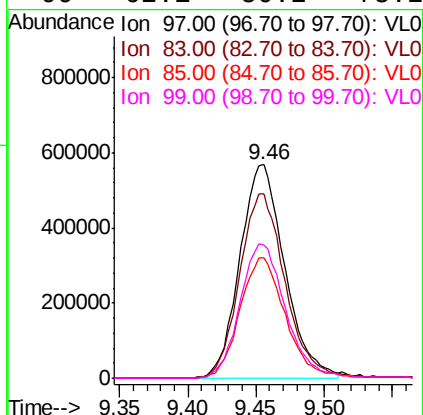
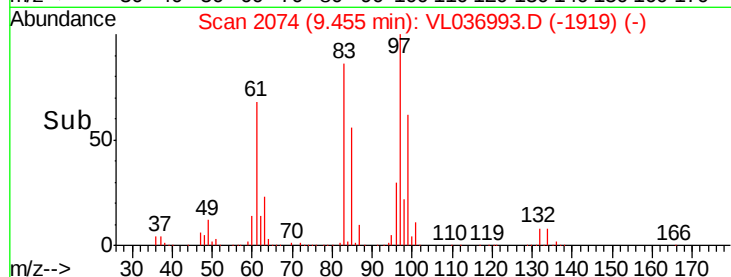
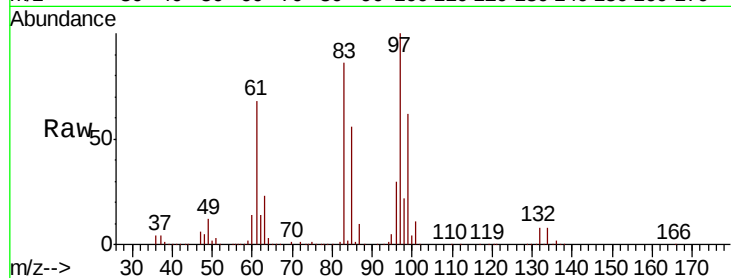


#47
 1,1,2-Trichloroethane
 Concen: 9.813 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0519ABS01

Tot Ion: 97 Resp: 1296016

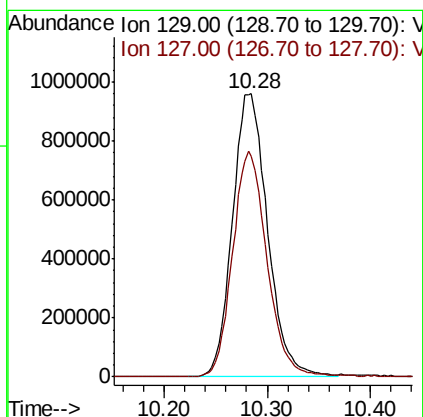
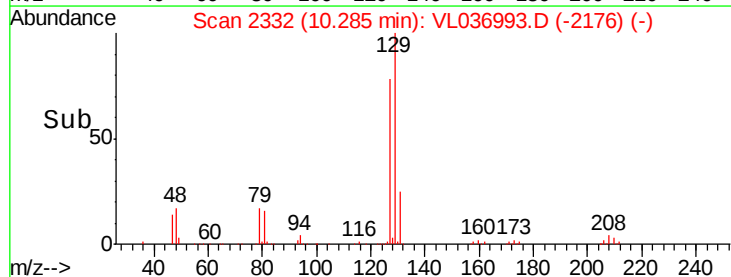
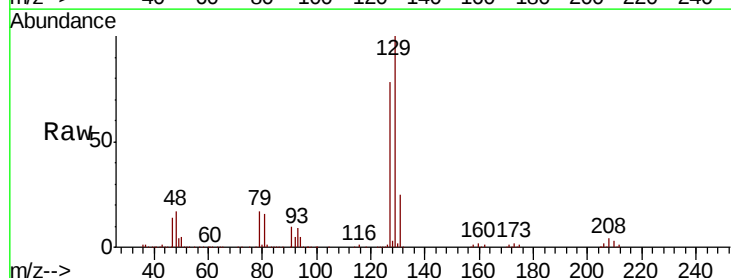
Ion	Ratio	Lower	Upper
97	100		
83	86.2	70.4	105.6
85	56.4	45.5	68.3
99	62.1	50.2	75.2

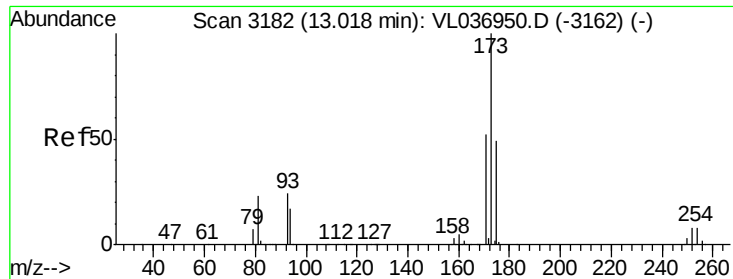


#48
 Dibromochloromethane
 Concen: 10.663 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. 0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Tgt Ion: 129 Resp: 2280262

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.3	117.8





#49

Bromoform

Concen: 10.674 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

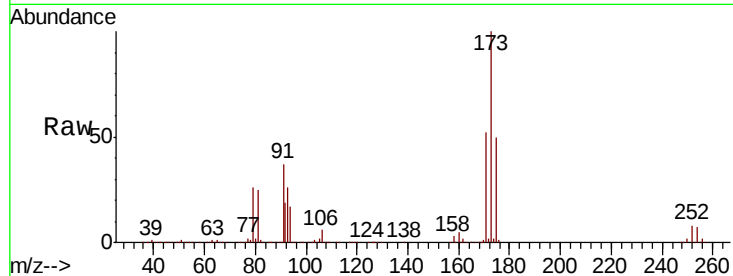
Tot Ion:173 Resp: 1885137

Ion Ratio Lower Upper

173 100

175 50.1 40.4 60.6

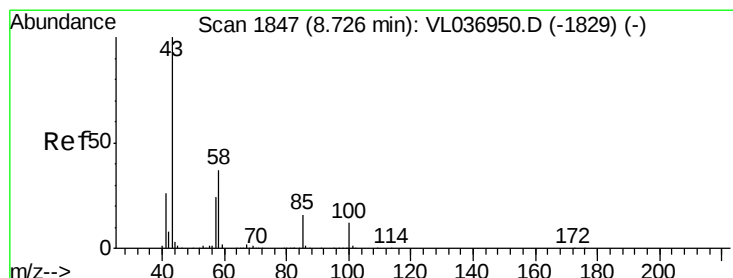
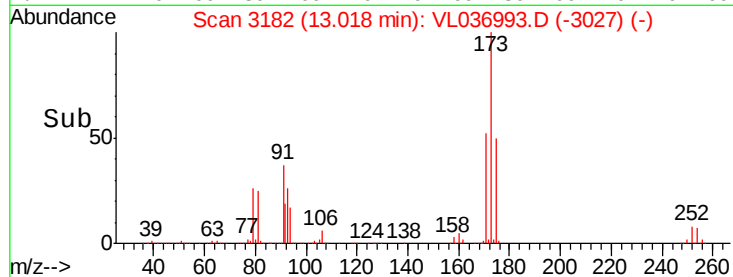
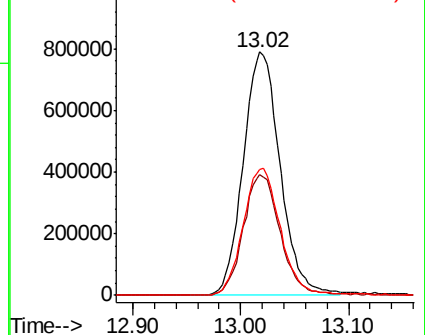
171 53.3 42.6 64.0



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: 9.524 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VL036993.D

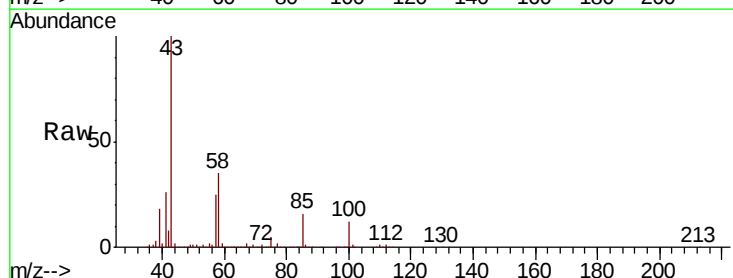
Acq: 19 May 2021 15:29

Tgt Ion: 43 Resp: 2176298

Ion Ratio Lower Upper

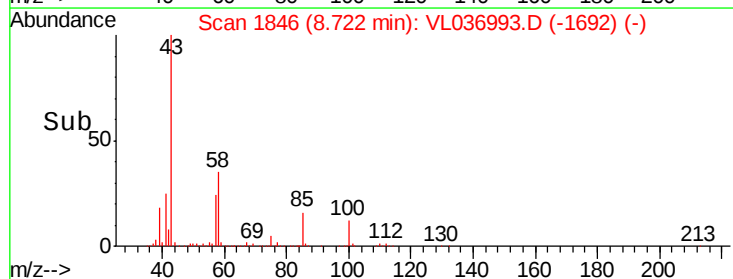
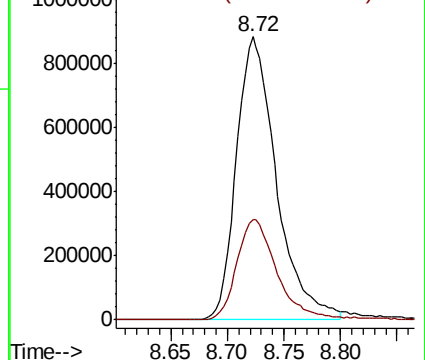
43 100

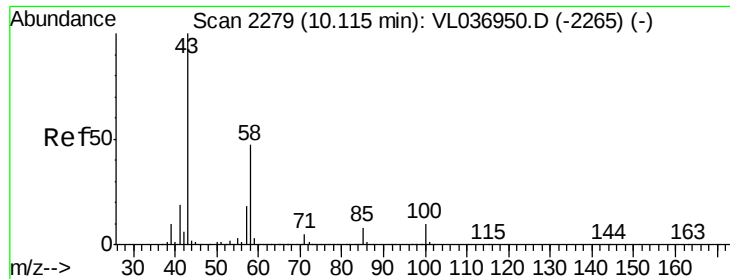
58 36.2 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

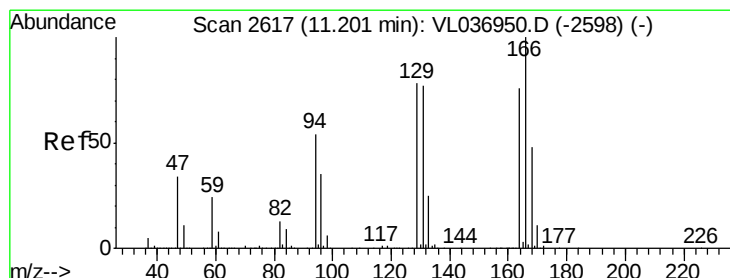
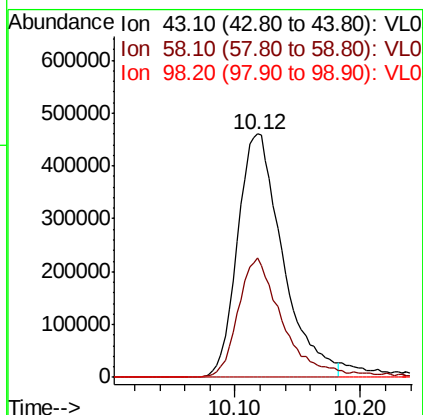
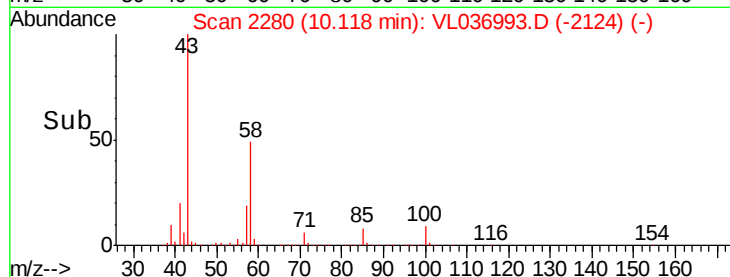
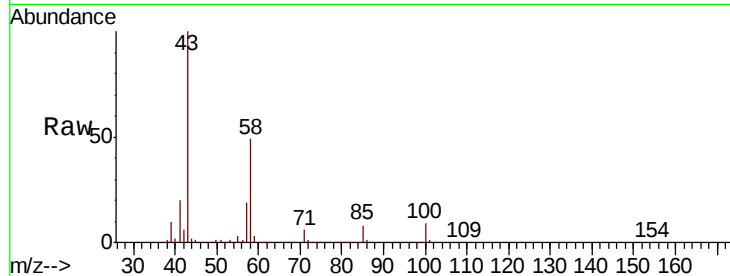




#51
2-Hexanone
Concen: 9.519 ppbv
RT: 10.12 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

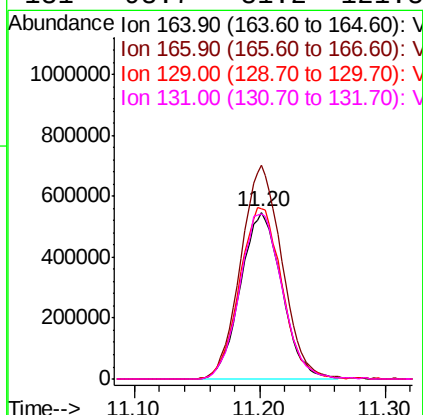
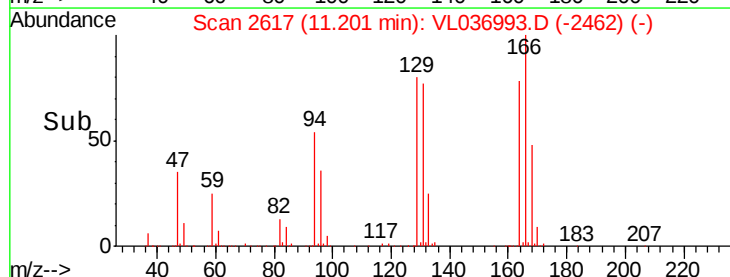
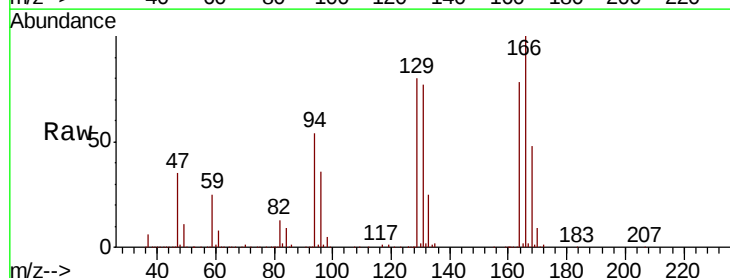
Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

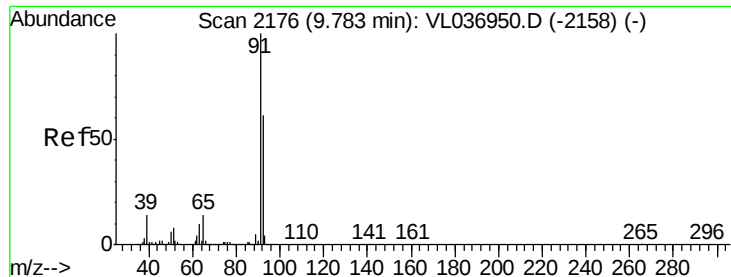
Tot Ion: 43 Resp: 1149933
Ion Ratio Lower Upper
43 100
58 50.4 41.1 61.7
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 9.615 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion: 164 Resp: 1252453
Ion Ratio Lower Upper
164 100
166 128.1 105.5 158.3
129 102.3 81.8 122.8
131 98.7 81.2 121.8





#53

Toluene

Concen: 9.540 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

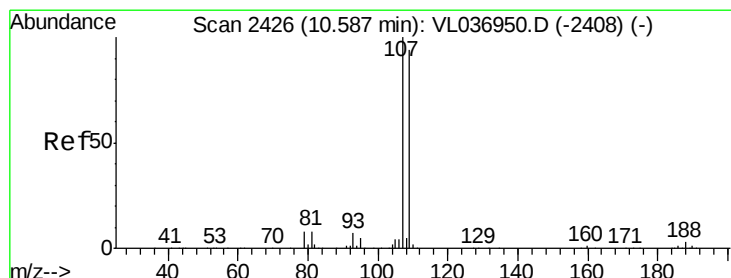
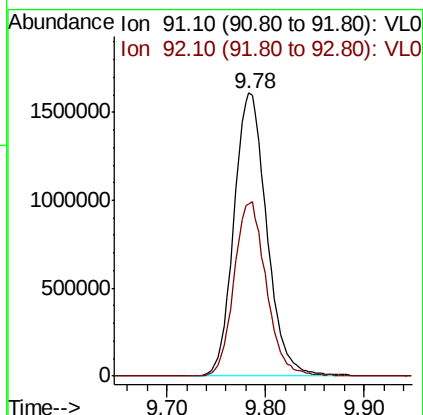
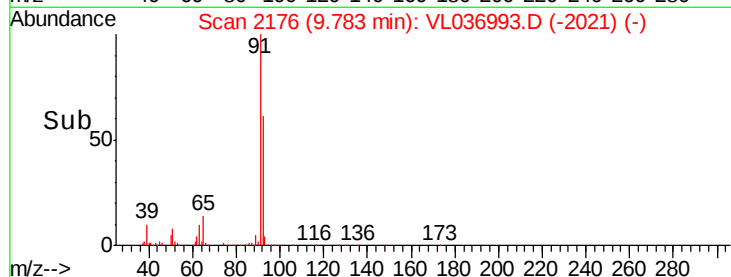
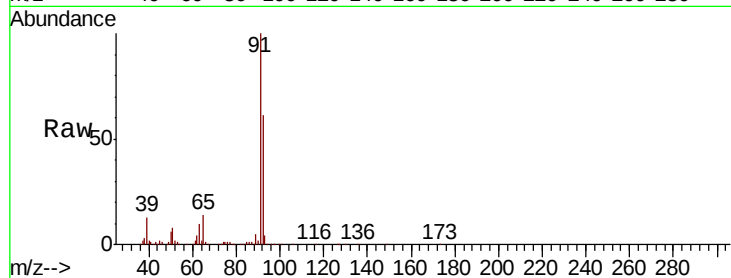
VL0519ABS01

Tot Ion: 91 Resp: 3718364

Ion Ratio Lower Upper

91 100

92 61.3 49.5 74.3



#54

1,2-Dibromoethane

Concen: 10.520 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.00 min

Lab File: VL036993.D

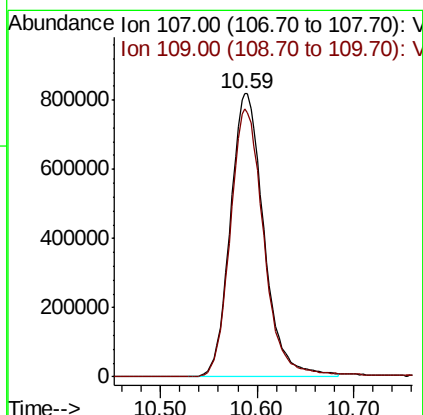
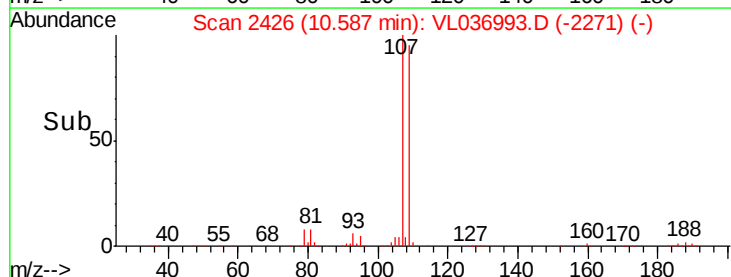
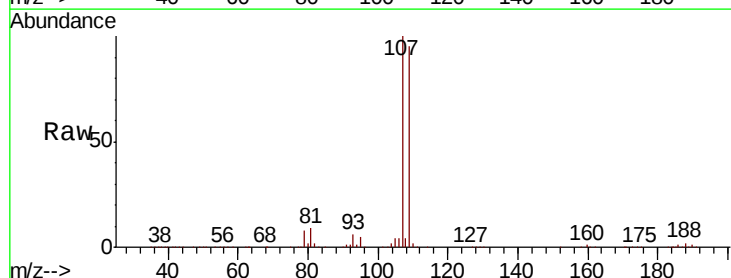
Acq: 19 May 2021 15:29

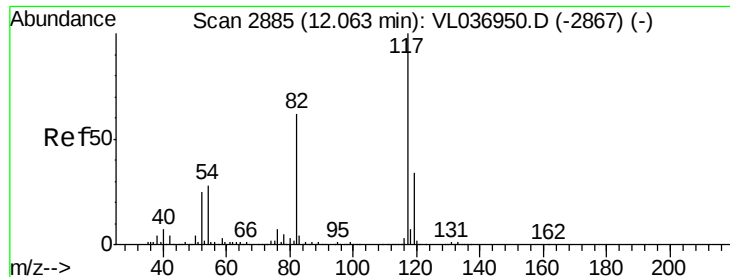
Tgt Ion: 107 Resp: 1975346

Ion Ratio Lower Upper

107 100

109 94.6 75.0 112.4

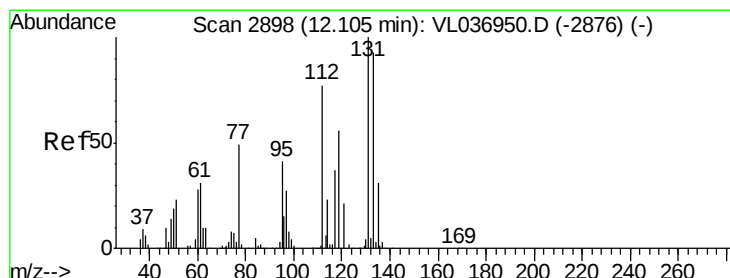
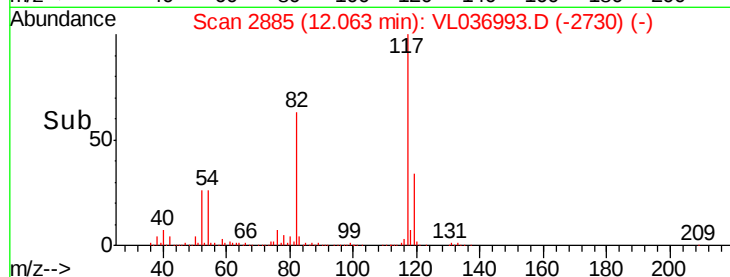
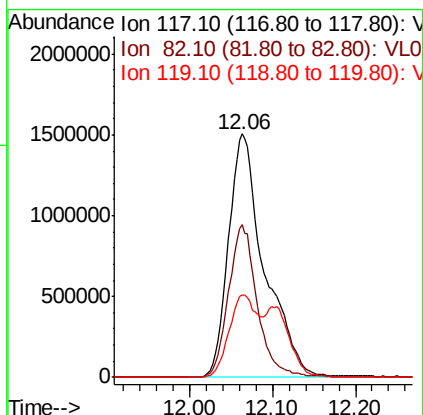
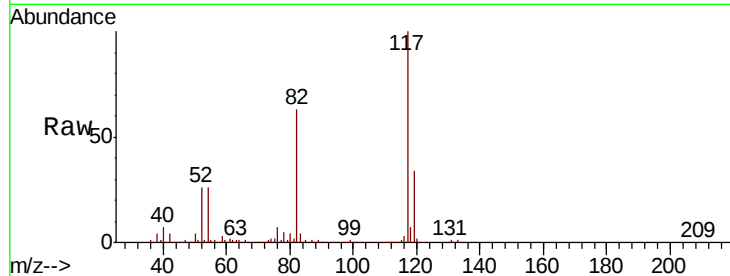




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

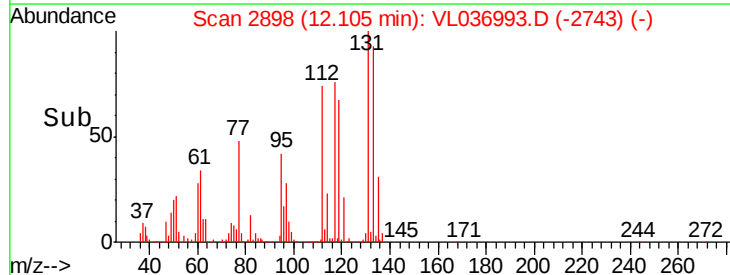
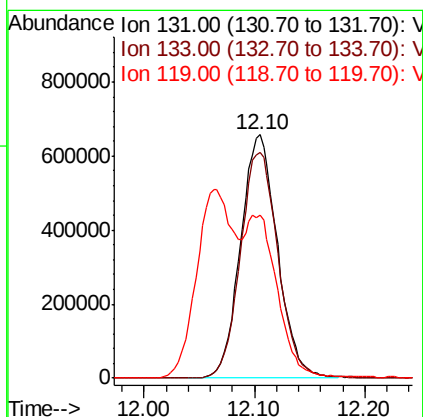
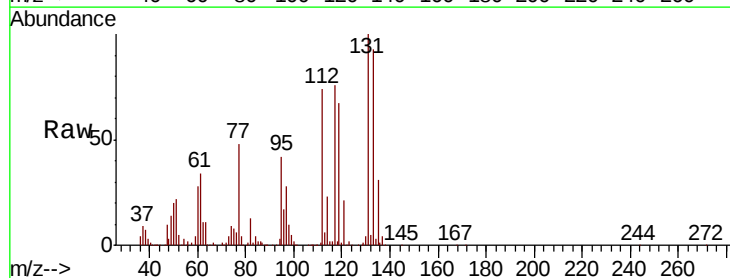
Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

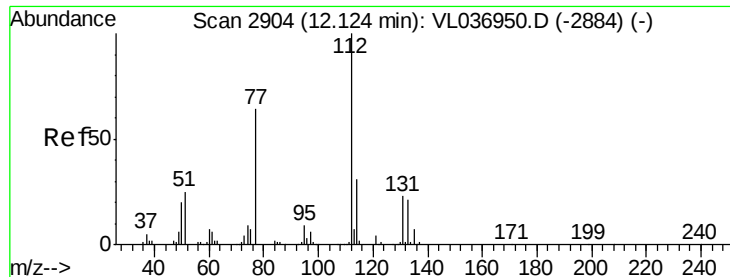
Tot Ion:117 Resp: 4537603
Ion Ratio Lower Upper
117 100
82 50.5 52.6 79.0#
119 27.9 46.6 70.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.952 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion:131 Resp: 1518222
Ion Ratio Lower Upper
131 100
133 95.4 76.9 115.3
119 62.3 120.2 180.4#

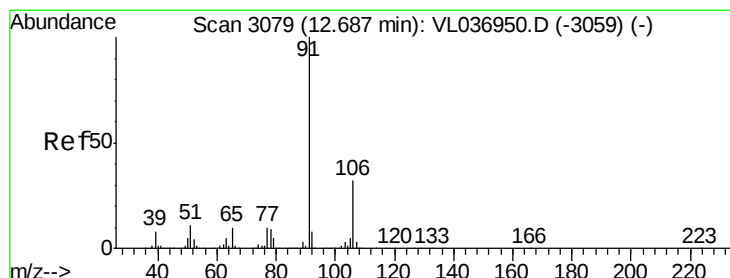
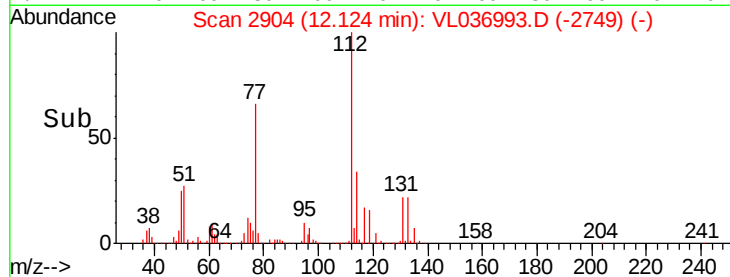
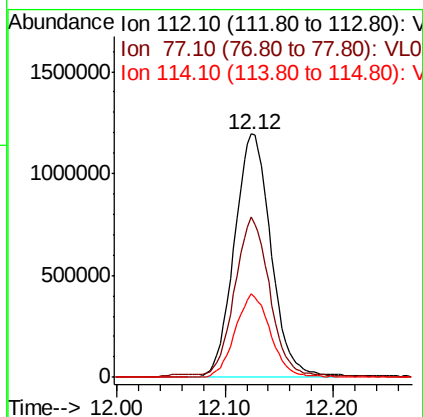
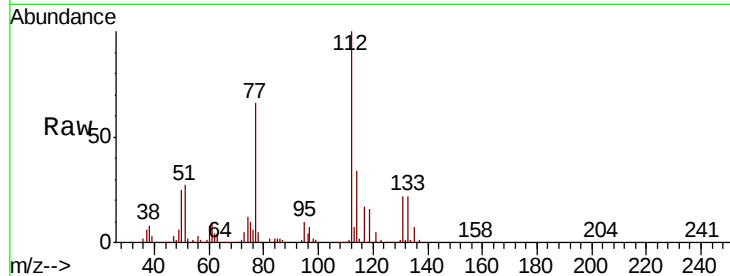




#57
Chlorobenzene
Concen: 8.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

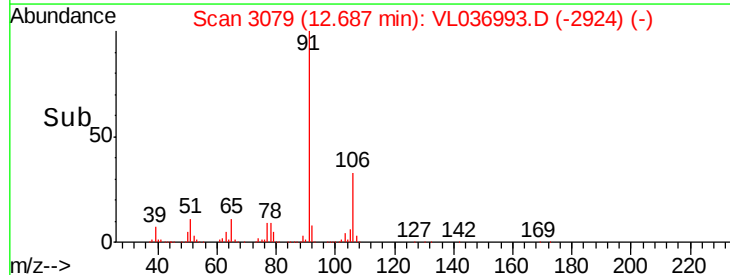
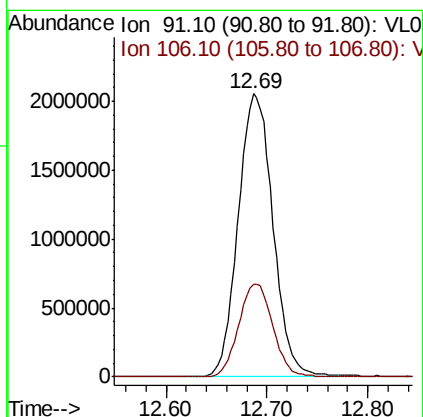
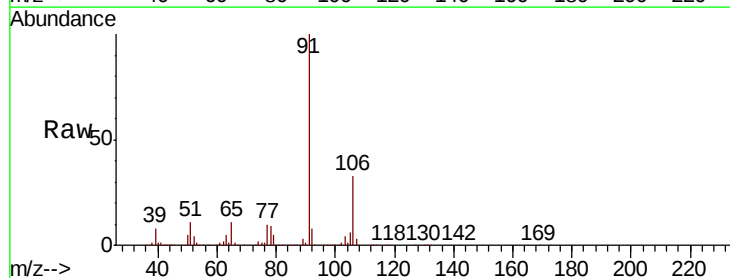
Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

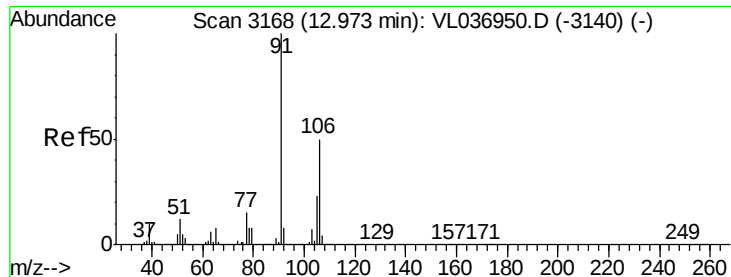
Tot Ion:112 Resp: 2814610
Ion Ratio Lower Upper
112 100
77 65.1 51.0 76.6
114 34.5 28.3 34.5



#58
Ethyl Benzene
Concen: 7.666 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion: 91 Resp: 4909587
Ion Ratio Lower Upper
91 100
106 32.9 25.6 38.4

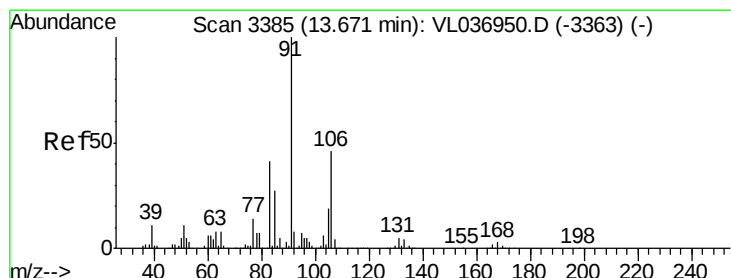
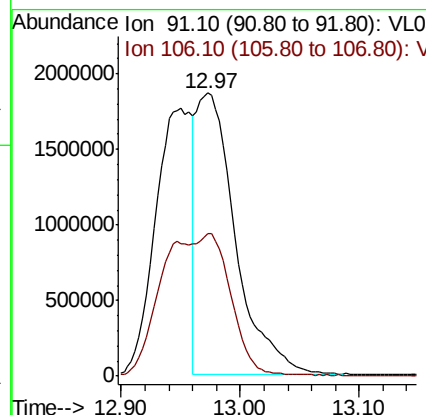
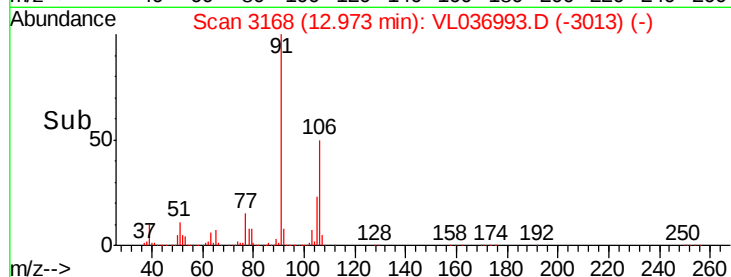
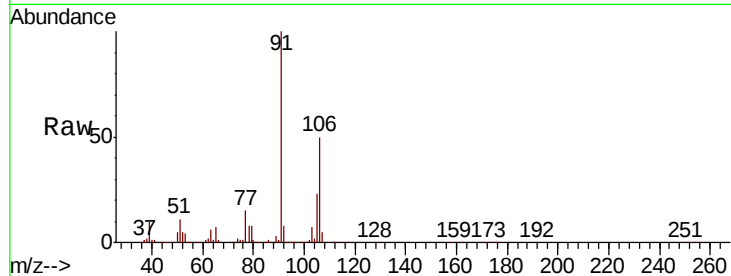




#59
m/p-Xylene
Concen: 8.015 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

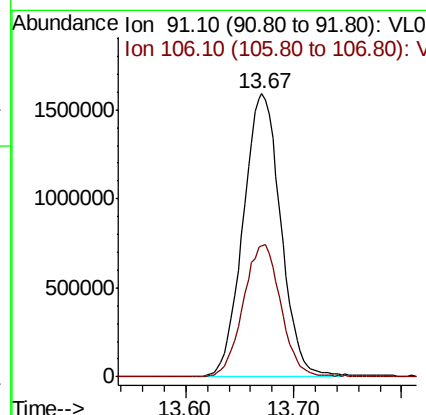
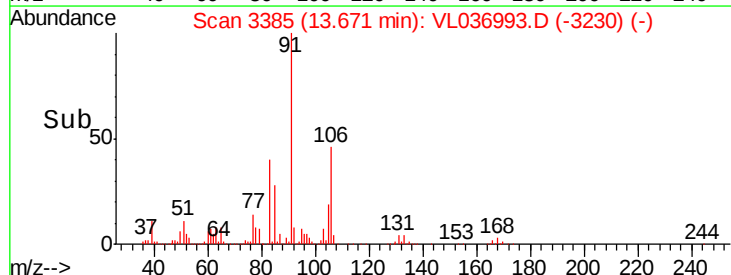
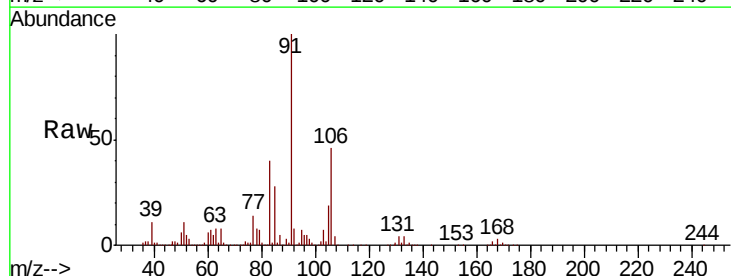
Instrument :
MSVOA_L
ClientSampleId :
VL0519ABS01

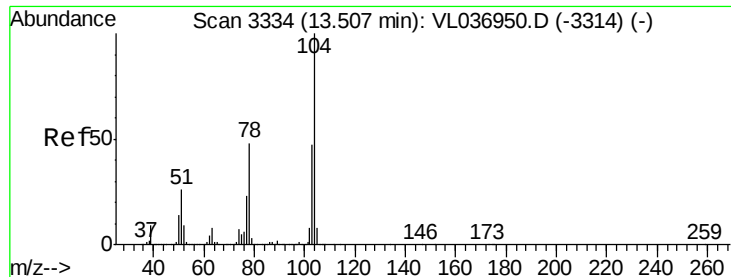
Tot Ion: 91 Resp: 4242710
Ion Ratio Lower Upper
91 100
106 89.6 37.4 56.2#



#60
o-Xylene
Concen: 7.615 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL036993.D
Acq: 19 May 2021 15:29

Tgt Ion: 91 Resp: 3844950
Ion Ratio Lower Upper
91 100
106 47.1 23.4 70.3





#61

Stvrene

Concen: 8.265 ppbv

RT: 13.51 min Scan# 3334

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

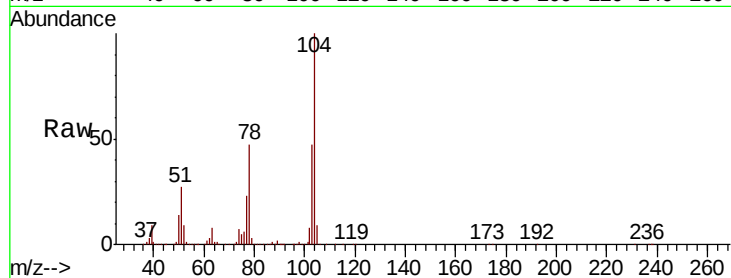
Tot Ion:104 Resp: 2351005

Ion Ratio Lower Upper

104 100

78 49.5 39.0 58.6

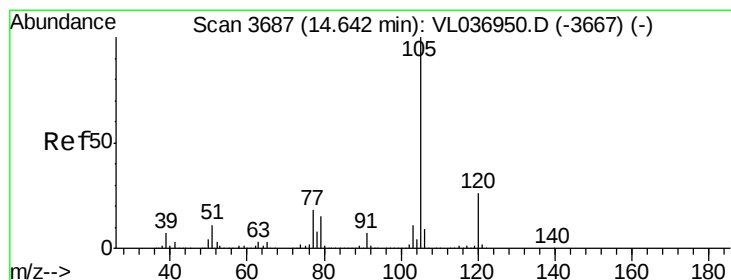
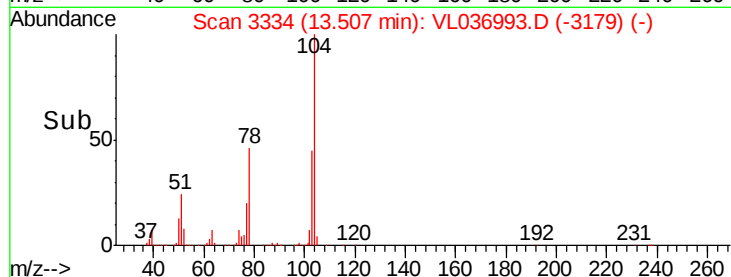
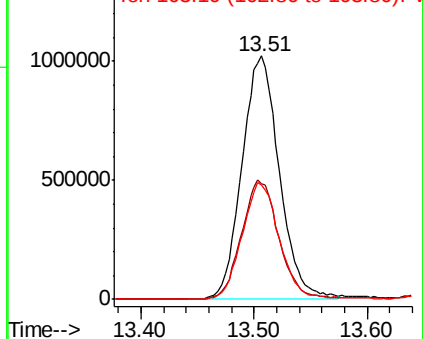
103 48.1 38.0 57.0



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: 7.550 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. 0.00 min

Lab File: VL036993.D

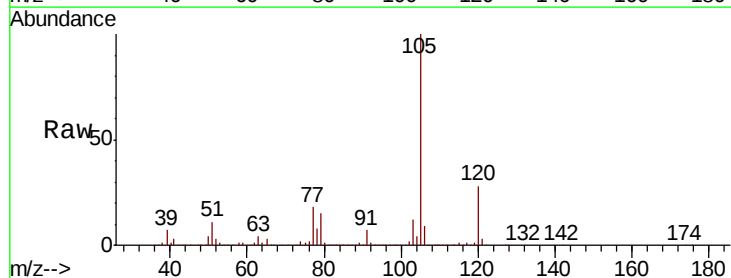
Acq: 19 May 2021 15:29

Tgt Ion:105 Resp: 5478721

Ion Ratio Lower Upper

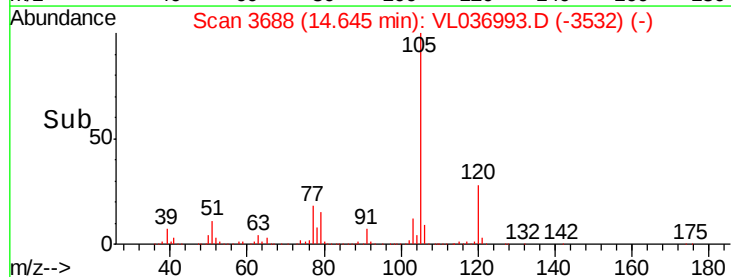
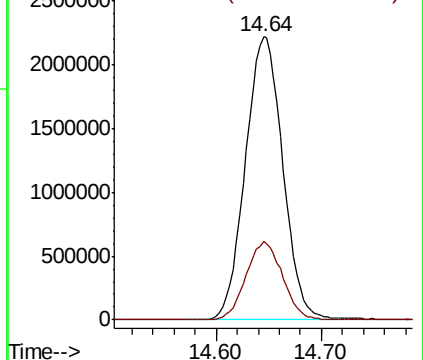
105 100

120 27.3 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



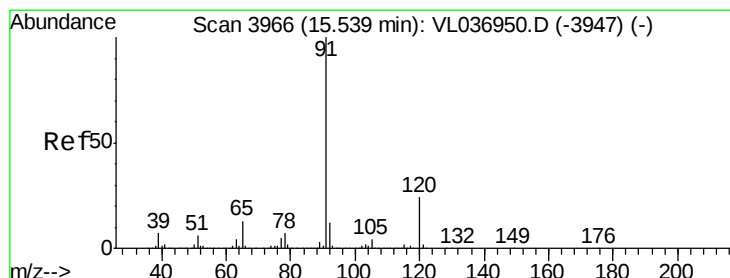
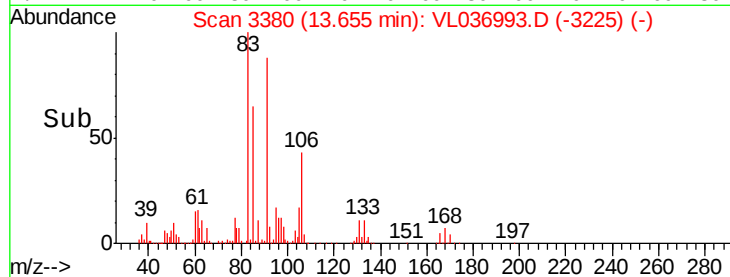
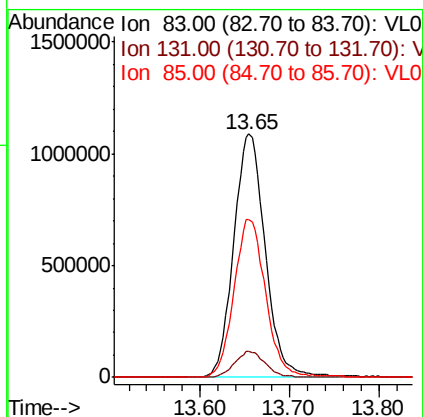
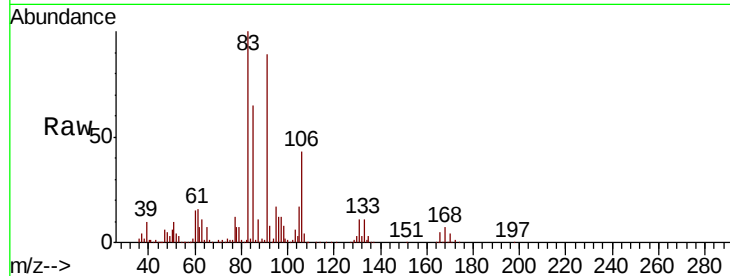


#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.082 ppbv
 RT: 13.65 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0519ABS01

Tot Ion: 83 Resp: 2670356

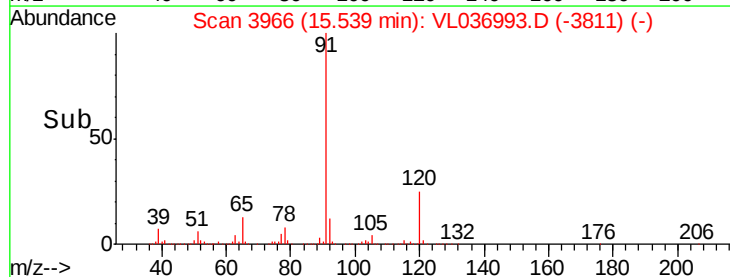
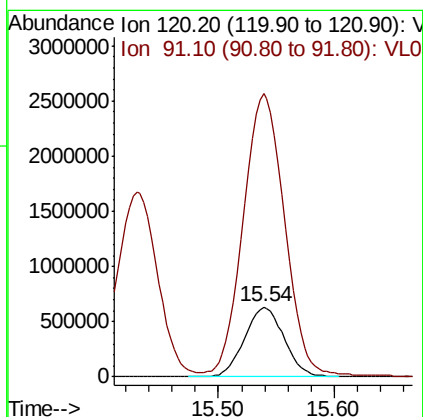
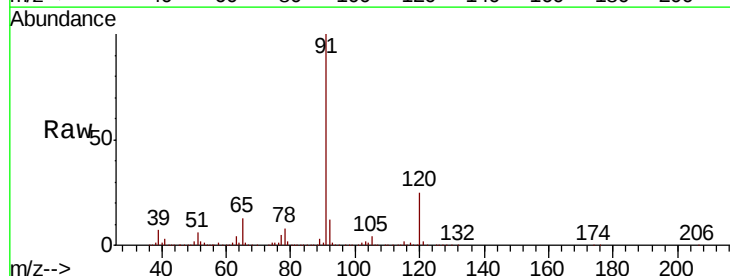
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.0	15.0
85	65.9	32.9	98.6

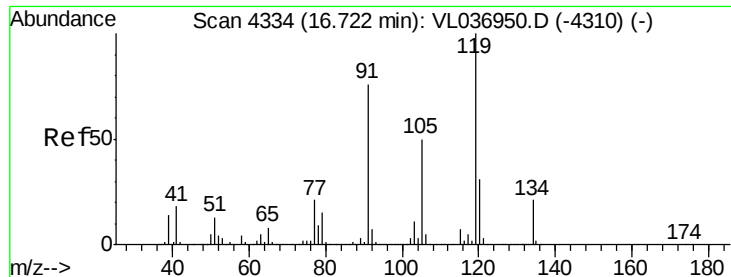


#64
 n-propylbenzene
 Concen: 8.052 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Tgt Ion: 120 Resp: 1507534

Ion	Ratio	Lower	Upper
120	100		
91	425.2	343.8	515.6





#65

tert-Butylbenzene

Concen: 7.491 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. 0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

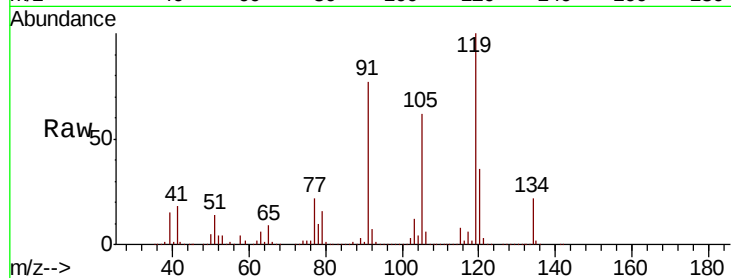
Tot Ion:119 Resp: 4905074

Ion Ratio Lower Upper

119 100

91 77.1 61.9 92.9

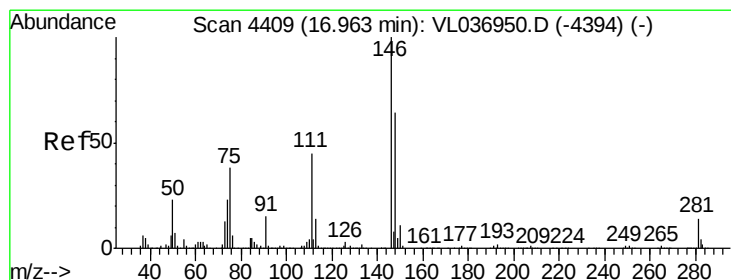
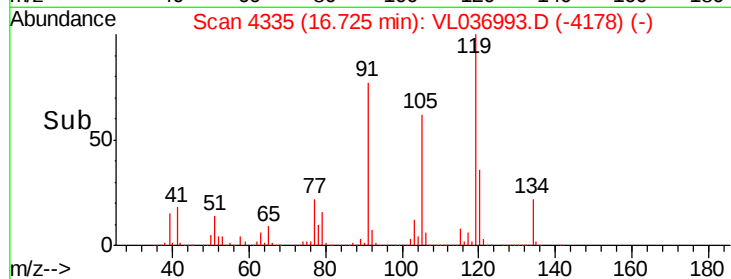
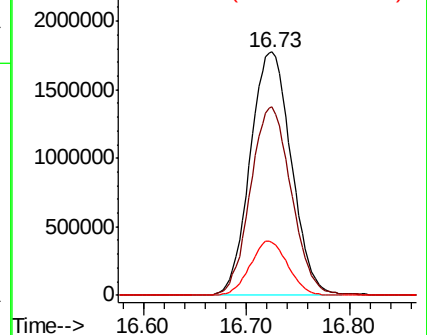
134 20.6 16.2 24.4



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 6.431 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. 0.01 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

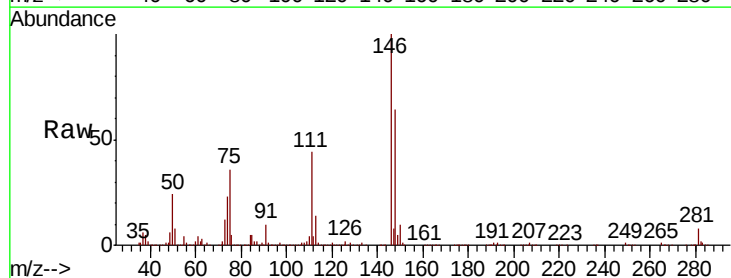
Tgt Ion: 91 Resp: 233619

Ion Ratio Lower Upper

91 100

126 18.7 16.5 24.7

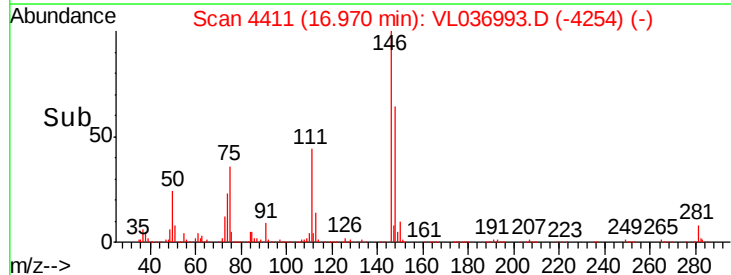
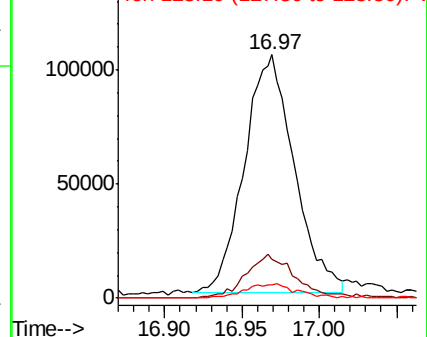
128 6.9 5.5 8.3

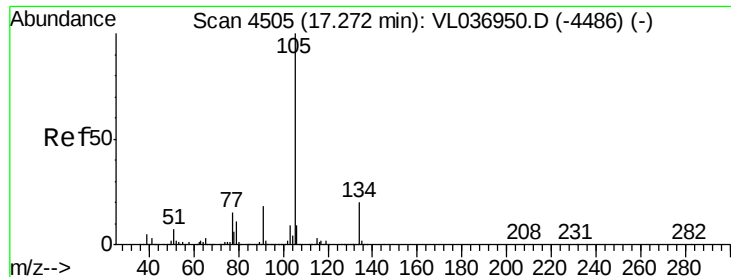


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.398 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

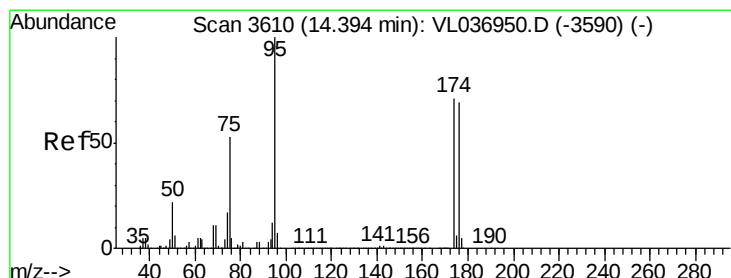
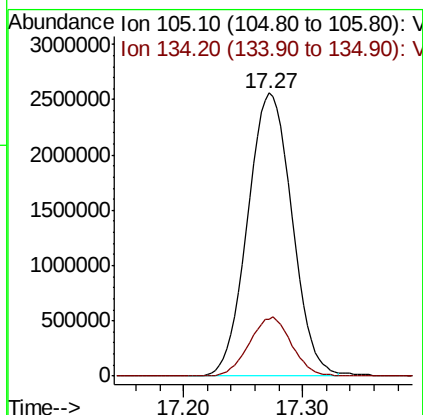
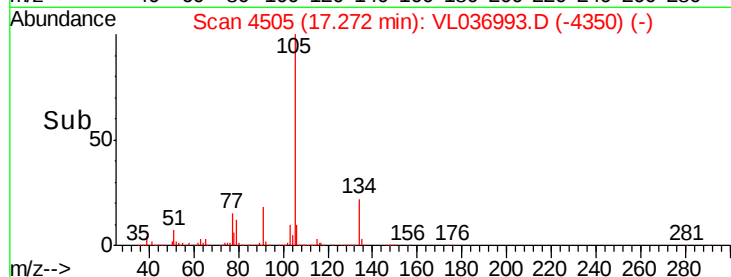
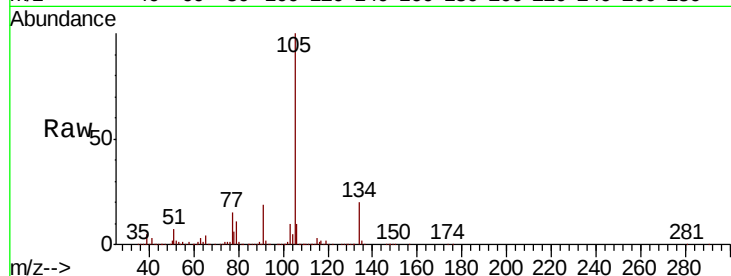
VL0519ABS01

Tot Ion:105 Resp: 6608061

Ion Ratio Lower Upper

105 100

134 20.0 15.6 23.4



#68

1-Bromo-4-Fluorobenzene

Concen: 8.365 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

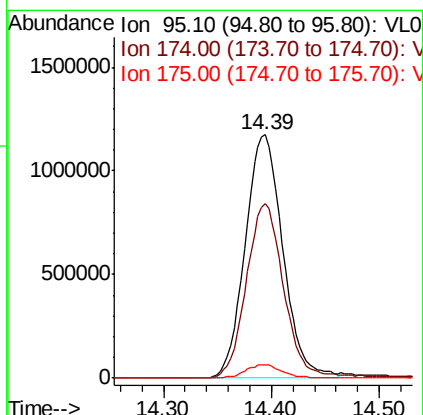
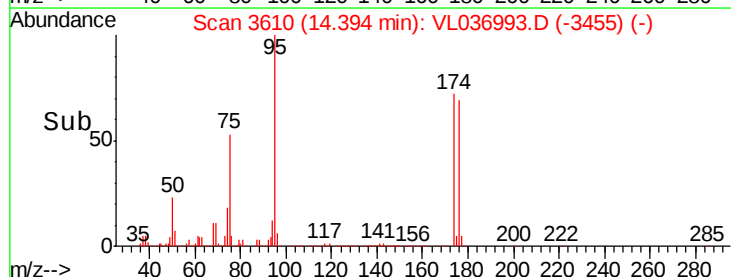
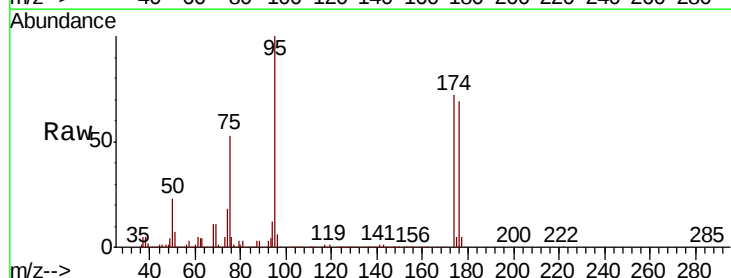
Tgt Ion: 95 Resp: 2851254

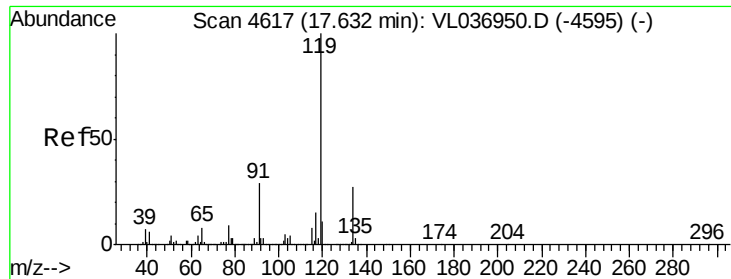
Ion Ratio Lower Upper

95 100

174 72.3 58.4 87.6

175 5.6 4.4 6.6

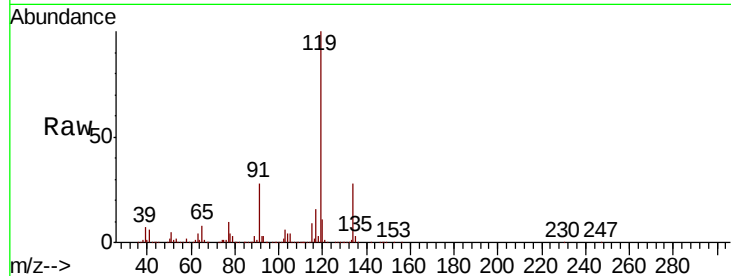




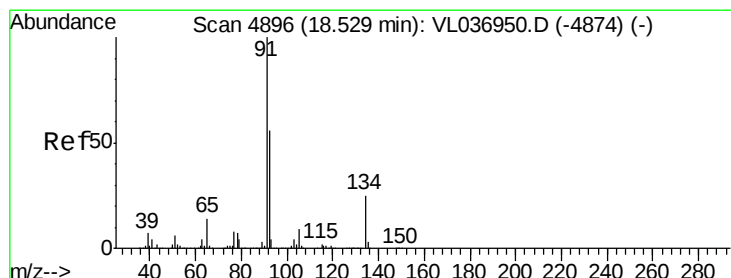
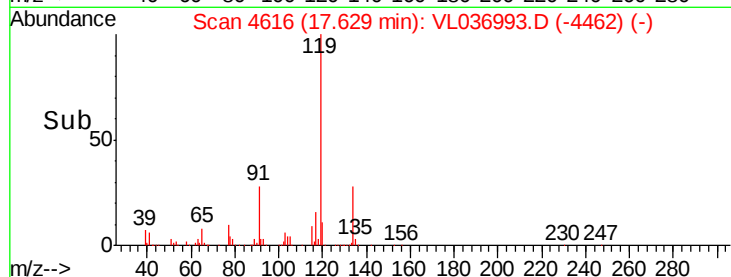
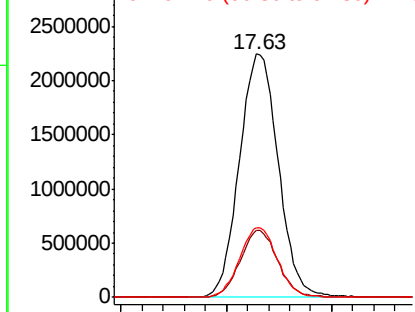
#69
 p-Isopropyltoluene
 Concen: 7.494 ppbv
 RT: 17.63 min Scan# 4616
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0519ABS01

Tot Ion:119 Resp: 5755188
 Ion Ratio Lower Upper
 119 100
 134 26.7 21.2 31.8
 91 28.0 22.2 33.4

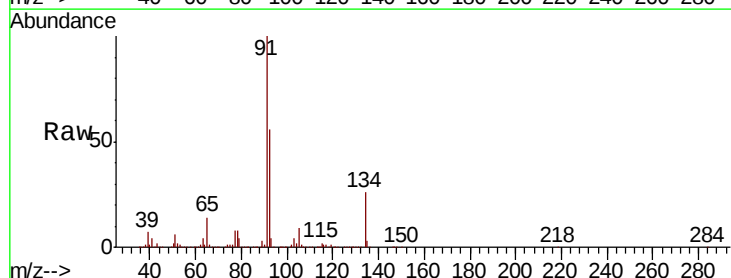


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

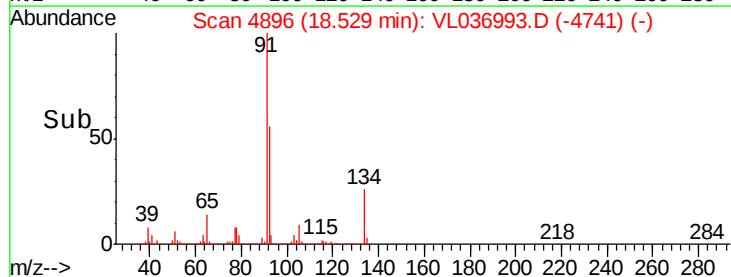
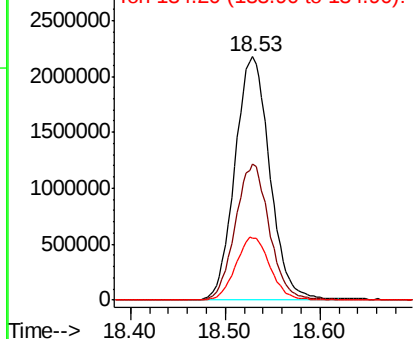


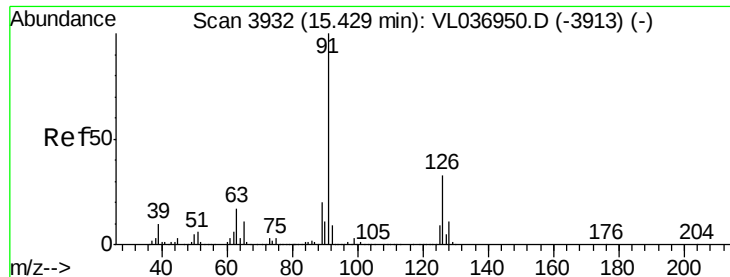
#70
 n-Butylbenzene
 Concen: 7.641 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Tgt Ion: 91 Resp: 5574716
 Ion Ratio Lower Upper
 91 100
 92 55.2 44.6 66.8
 134 25.7 20.2 30.2



Abundance Ion 91.10 (90.80 to 91.80): V
 Ion 92.10 (91.80 to 92.80): V
 Ion 134.20 (133.90 to 134.90): V

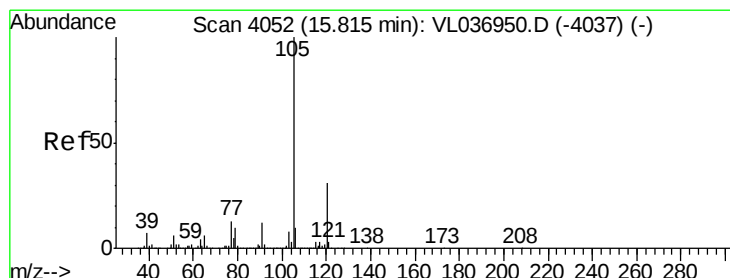
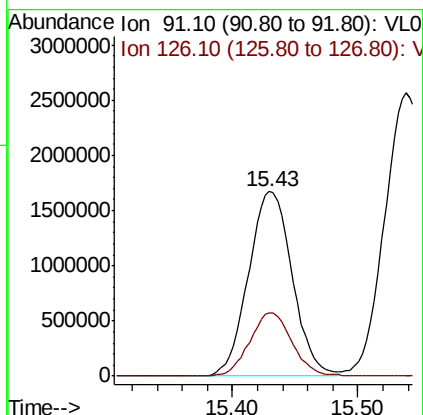
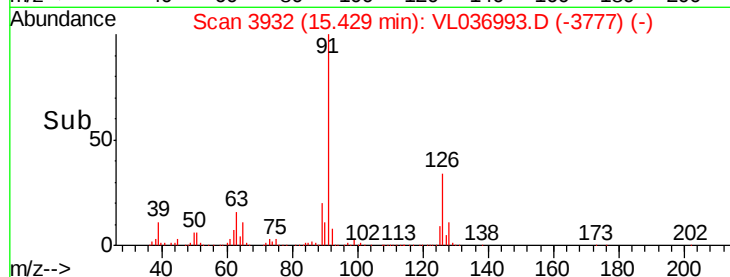
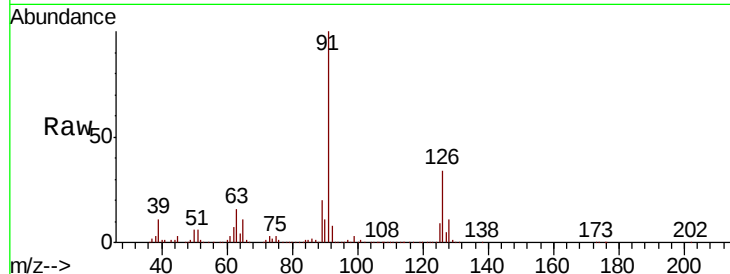




#71
 2-Chlorotoluene
 Concen: 7.754 ppbv
 RT: 15.43 min Scan# 3932
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

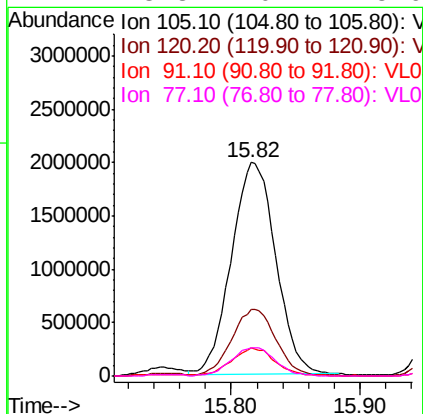
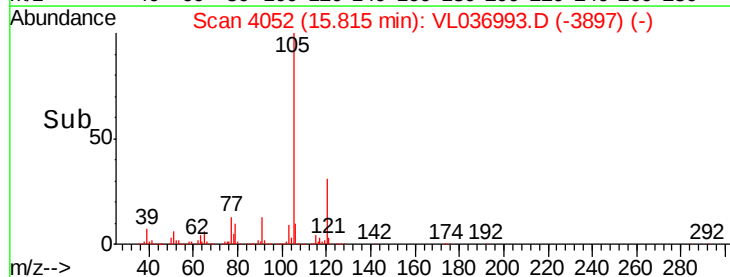
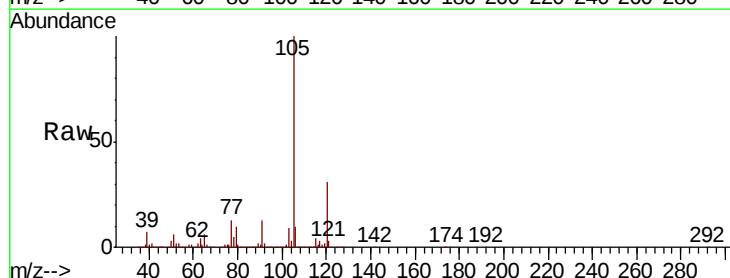
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0519ABS01

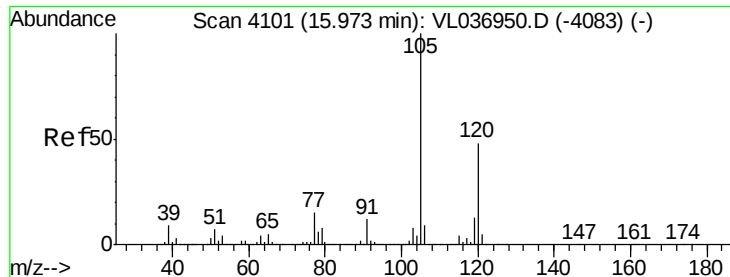
Tot Ion: 91 Resp: 4063596
 Ion Ratio Lower Upper
 91 100
 126 33.5 13.1 52.5



#72
 4-Ethyltoluene
 Concen: 7.931 ppbv
 RT: 15.82 min Scan# 4052
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Tgt Ion: 105 Resp: 4752430
 Ion Ratio Lower Upper
 105 100
 120 31.4 24.6 37.0
 91 12.4 9.8 14.6
 77 13.3 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 7.668 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

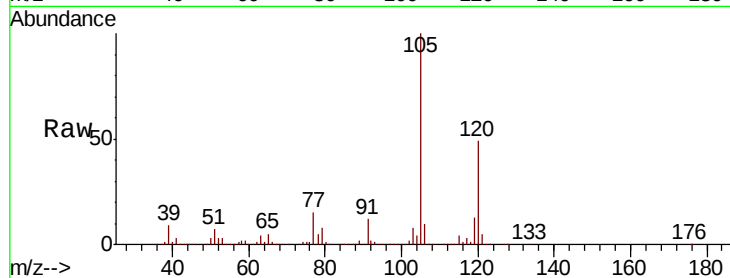
VL0519ABS01

Tot Ion:105 Resp: 4314978

Ion Ratio Lower Upper

105 100

120 49.5 38.6 58.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.98

2000000

1500000

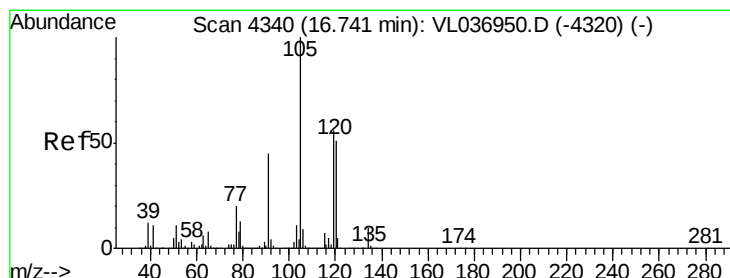
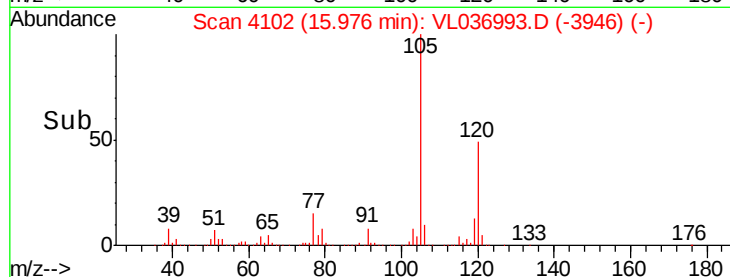
1000000

500000

0

Time-->

15.90 16.00



#74

1,2,4-Trimethylbenzene

Concen: 7.631 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Tgt Ion:105 Resp: 4440205

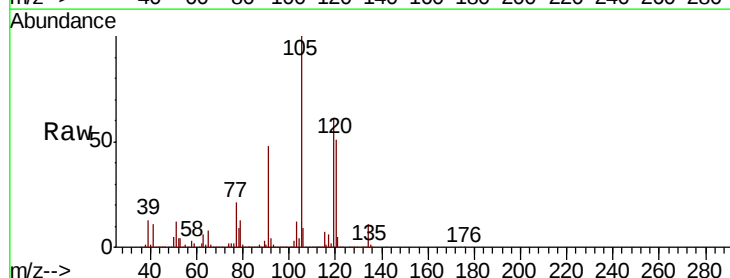
Ion Ratio Lower Upper

105 100

120 50.6 40.6 61.0

91 47.3 37.4 56.0

77 21.2 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): V

Ion 77.10 (76.80 to 77.80): V

16.74

2500000

2000000

1500000

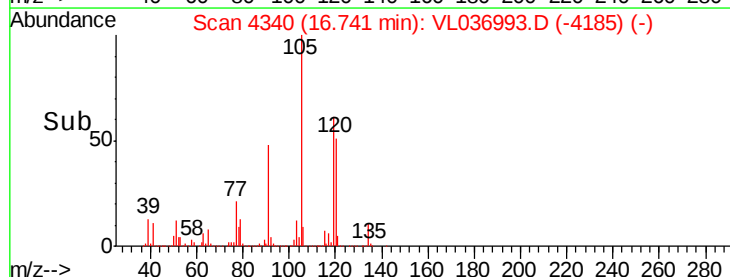
1000000

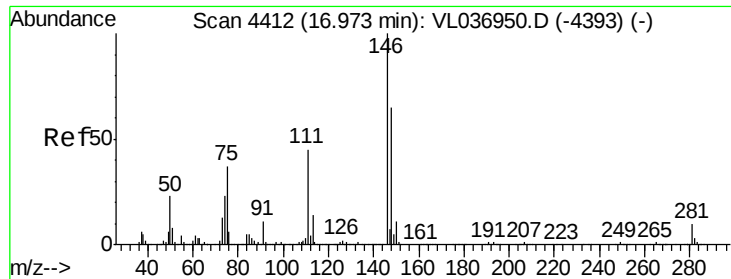
500000

0

Time-->

16.60 16.70 16.80

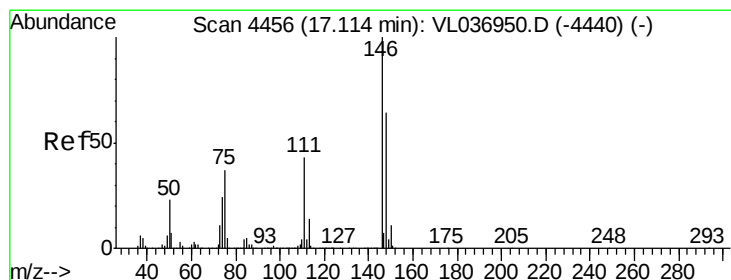
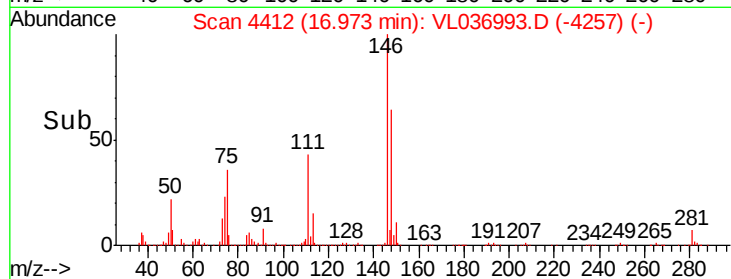
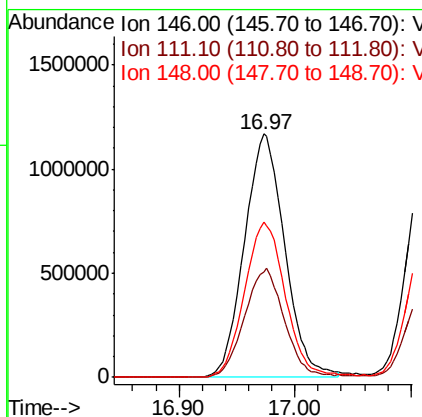
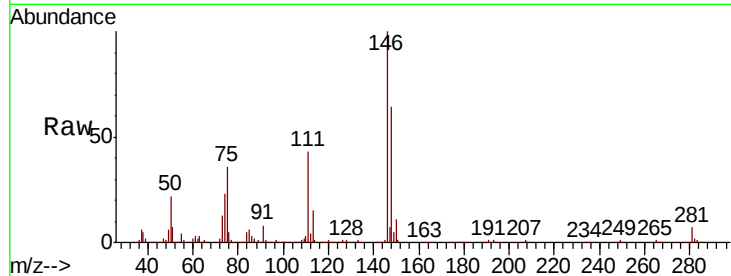




#75
 1,3-Dichlorobenzene
 Concen: 7.963 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

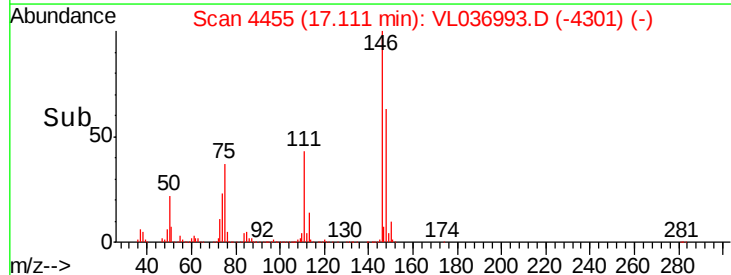
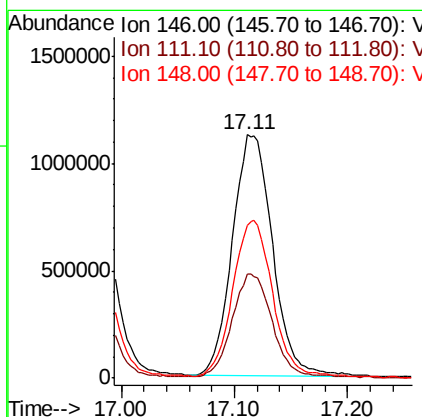
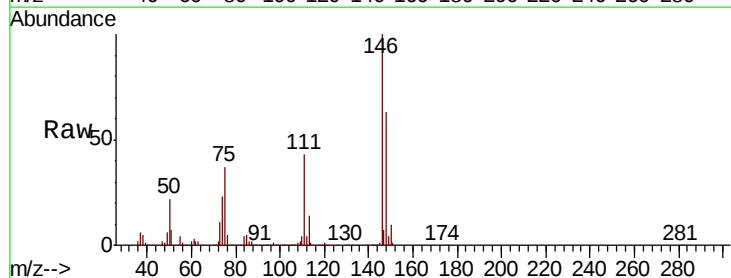
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0519ABS01

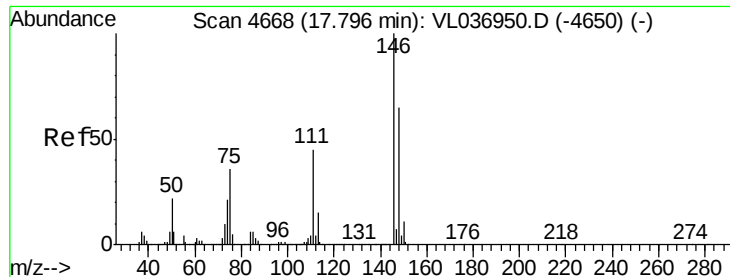
Tot Ion:146 Resp: 2829337
 Ion Ratio Lower Upper
 146 100
 111 44.5 22.2 66.6
 148 64.8 32.3 96.8



#76
 1,4-Dichlorobenzene
 Concen: 7.699 ppbv
 RT: 17.11 min Scan# 4455
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Tgt Ion:146 Resp: 2765756
 Ion Ratio Lower Upper
 146 100
 111 43.9 22.6 67.7
 148 66.3 33.5 100.5





#77

1,2-Dichlorobenzene

Concen: 7.674 ppbv

RT: 17.80 min Scan# 4668

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

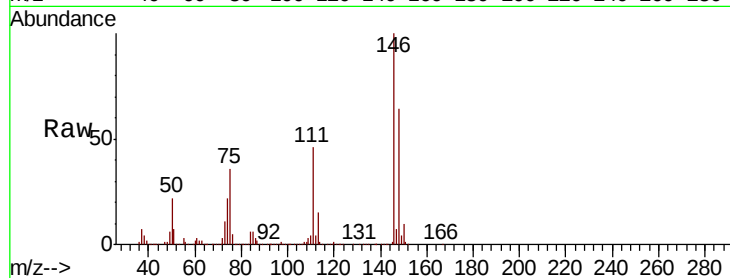
Tot Ion:146 Resp: 2732015

Ion Ratio Lower Upper

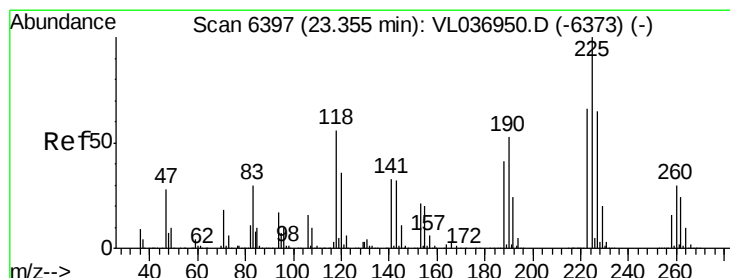
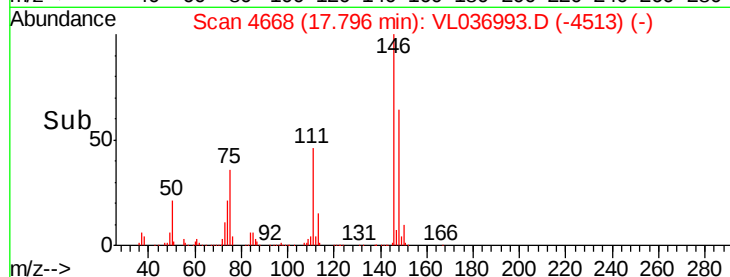
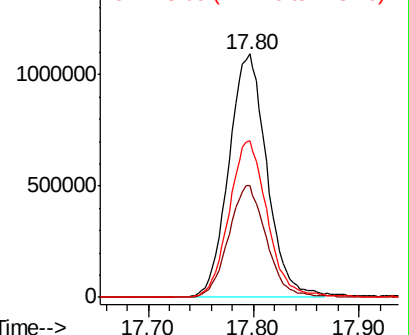
146 100

111 45.6 23.1 69.2

148 64.8 32.5 97.4



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



#78

Hexachloro-1,3-Butadiene

Concen: 6.731 ppbv

RT: 23.35 min Scan# 6396

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

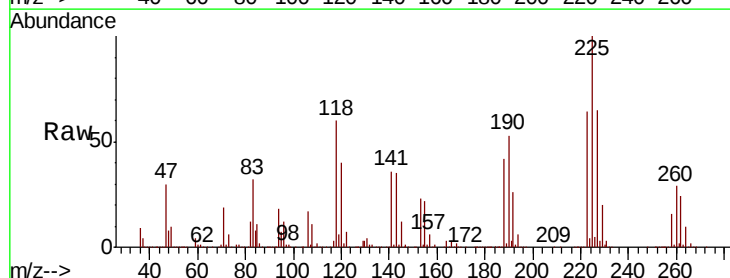
Tgt Ion:225 Resp: 1926954

Ion Ratio Lower Upper

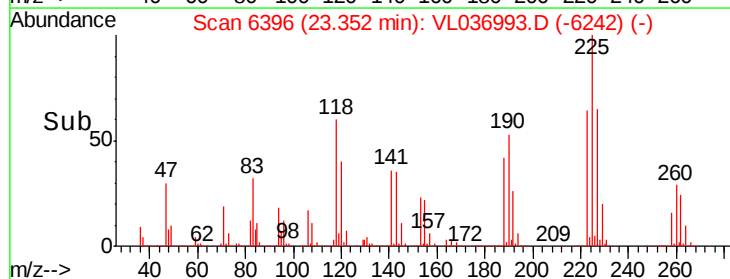
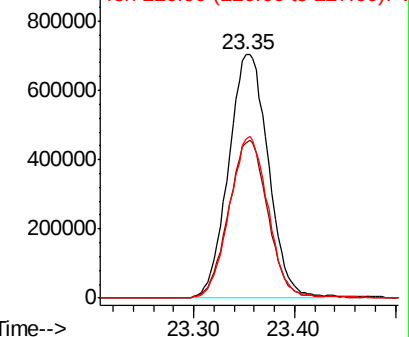
225 100

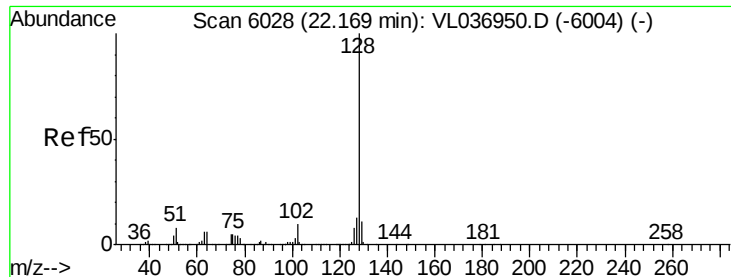
223 64.1 51.9 77.9

227 65.1 51.8 77.6



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





#79

Naphthalene

Concen: 8.921 ppbv

RT: 22.17 min Scan# 6028

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

Instrument :

MSVOA_L

ClientSampleId :

VL0519ABS01

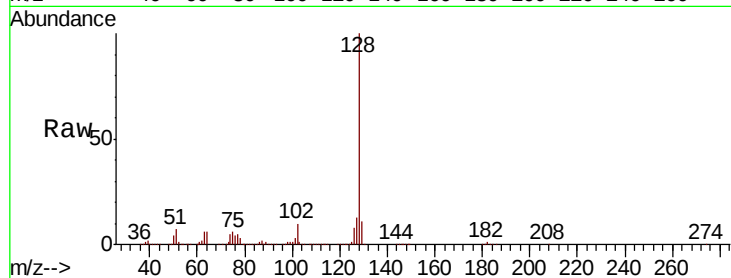
Tot Ion:128 Resp: 4072584

Ion Ratio Lower Upper

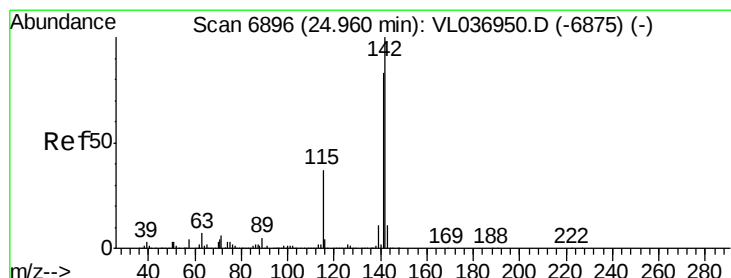
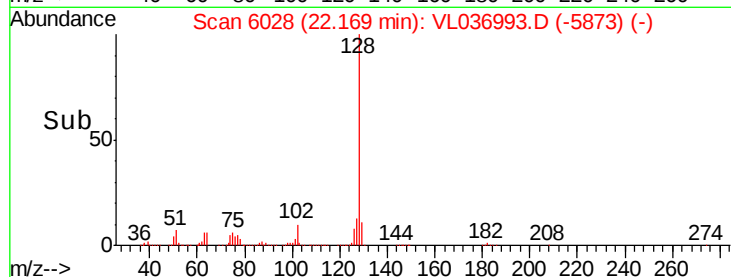
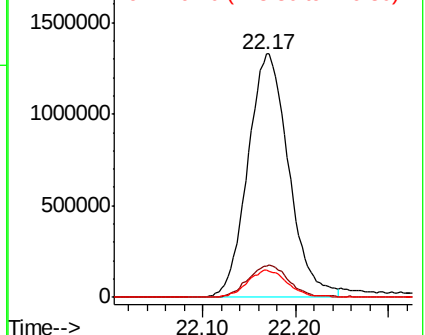
128 100

127 13.0 10.4 15.6

129 11.4 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: 12.525 ppbv

RT: 24.96 min Scan# 6895

Delta R.T. -0.00 min

Lab File: VL036993.D

Acq: 19 May 2021 15:29

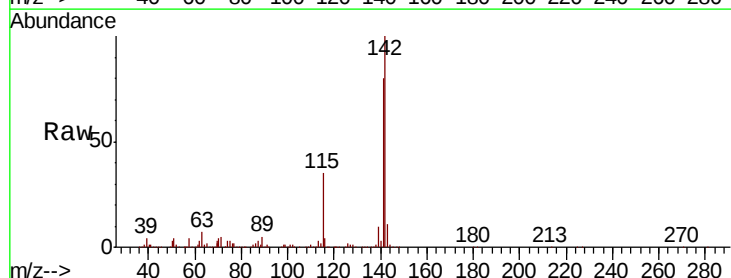
Tgt Ion:142 Resp: 1243353

Ion Ratio Lower Upper

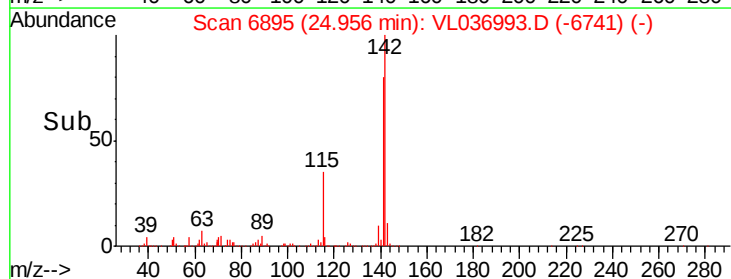
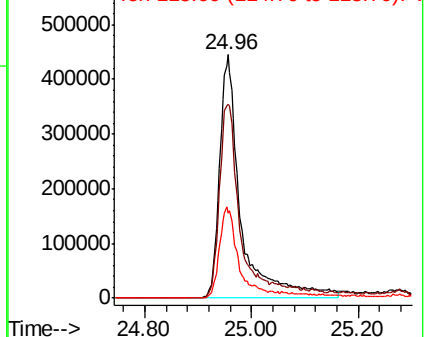
142 100

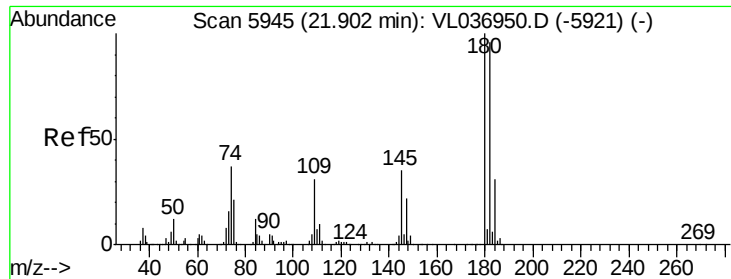
141 82.2 69.3 103.9

115 36.3 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

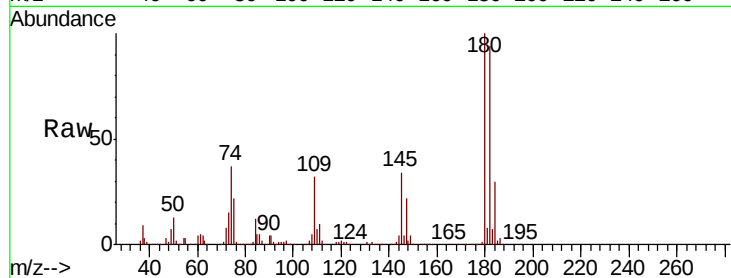




#81
 1,2,4-Trichlorobenzene
 Concen: 8.251 ppbv
 RT: 21.90 min Scan# 5945
 Delta R.T. -0.00 min
 Lab File: VL036993.D
 Acq: 19 May 2021 15:29

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0519ABS01

Tot Ion:180 Resp: 2296317
 Ion Ratio Lower Upper
 180 100
 182 97.4 81.7 122.5
 184 31.3 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

