

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037021.D
 Acq On : 20 May 2021 12:28
 Operator : SY/AP
 Sample : VL0519ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0520ABS01

Quant Time: May 21 01:15:01 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	5.64	49	1175991	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.14	114	3519701	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	4069295	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	2495312	8.16	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1741631	8.730	ppbv 99
3) Chlorodifluoromethane	2.96	51	2094009	9.720	ppbv 99
4) Chloromethane	3.11	50	731800	9.982	ppbv 95
5) Vinyl Chloride	3.23	62	795105	9.922	ppbv 99
6) Bromomethane	3.45	94	424147	10.045	ppbv 99
7) Chloroethane	3.53	64	275310	10.581	ppbv 100
8) Dichlorotetrafluoroethane	3.16	85	1893209	10.107	ppbv 98
9) Propene	2.98	41	724562	9.392	ppbv 100
10) Heptane	8.09	43	1777099	9.243	ppbv 100
11) Trichlorofluoromethane	3.92	101	1948590	10.552	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1375010	10.454	ppbv 99
13) Ethanol	3.58	45	83033	8.067	ppbv 99
14) Bromoethene	3.71	108	600894	10.372	ppbv 98
15) Acetone	3.82	43	1025222	8.511	ppbv 98
16) 1,3-Butadiene	3.30	39	756811	10.113	ppbv 99
17) tert-Butyl alcohol	4.26	59	1001155	9.074	ppbv 99
18) 1,1-Dichloroethene	4.26	96	621801	10.223	ppbv 95
19) Isopropyl Alcohol	3.94	45	613773	9.479	ppbv 94
20) Methylene Chloride	4.31	84	541819	8.391	ppbv 97
21) Allyl Chloride	4.38	41	930366	10.239	ppbv 99
22) trans-1,2-Dichloroethene	4.85	96	616249	10.572	ppbv 99
23) Vinyl Acetate	5.04	43	1781921	9.320	ppbv 98
24) 1,1-Dichloroethane	4.98	63	1323468	9.617	ppbv 99
25) Ethyl Acetate	5.65	43	2730761	9.434	ppbv 100
26) Hexane	5.65	57	1346816	9.108	ppbv 99
27) Carbon Disulfide	4.52	76	1464902	9.830	ppbv 100
28) Methyl tert-Butyl Ether	5.00	73	1612032	9.095	ppbv 99
29) Chloroform	5.72	83	2095070	10.029	ppbv 98
30) Cyclohexane	7.09	84	1169707	9.309	ppbv 99
31) cis-1,2-Dichloroethene	5.52	61	1321321	9.967	ppbv 98
32) 1,1,1-Trichloroethane	6.47	97	2142983	9.553	ppbv 99
34) 2-Butanone	5.21	43	1293478	10.093	ppbv 100
35) Carbon Tetrachloride	6.98	117	2234340	9.554	ppbv 99
36) Benzene	6.85	78	2794876	9.219	ppbv 98
37) 1,2-Dichloroethane	6.27	62	1548301	10.301	ppbv 100
38) Trichloroethene	7.80	130	1161387	8.955	ppbv 98
39) 1,2-Dichloropropane	7.57	63	1079742	9.245	ppbv 96
40) 1,4-Dioxane	7.80	88	237278	8.605	ppbv # 100
41) Tetrahydrofuran	6.02	42	672310	9.211	ppbv 99
42) Bromodichloromethane	7.75	83	2259769	9.938	ppbv 99
43) Methyl Methacrylate	7.98	69	996921	9.541	ppbv 97

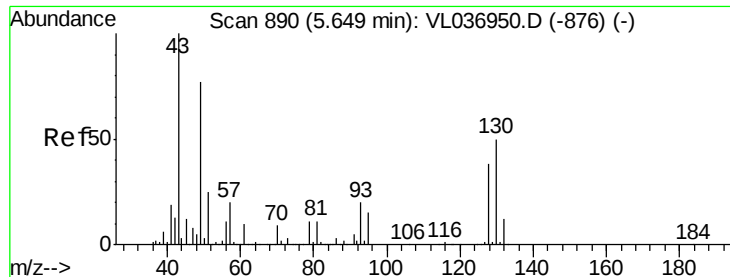
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037021.D
 Acq On : 20 May 2021 12:28
 Operator : SY/AP
 Sample : VL0519ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0520ABS01

Quant Time: May 21 01:15:01 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	7.83	57	4634007	8.909	ppbv	99
45) t-1,3-Dichloropropene	9.24	75	770126	9.647	ppbv	100
46) cis-1,3-Dichloropropene	8.67	75	1019717	9.497	ppbv	99
47) 1,1,2-Trichloroethane	9.44	97	1170844	9.579	ppbv	98
48) Dibromochloromethane	10.27	129	2026775	10.240	ppbv	100
49) Bromoform	13.00	173	1711461	10.471	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	2011400	9.511	ppbv	99
51) 2-Hexanone	10.10	43	1095713	9.800	ppbv	97
52) Tetrachloroethene	11.18	164	1127997	9.357	ppbv	97
53) Toluene	9.77	91	3342903	9.267	ppbv	99
54) 1,2-Dibromoethane	10.57	107	1732218	9.968	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.09	131	1378179	8.049	ppbv	95
57) Chlorobenzene	12.11	112	2482347	7.867	ppbv	98
58) Ethyl Benzene	12.67	91	4469305	7.782	ppbv	100
59) m/p-Xylene	12.96	91	3792889	7.989	ppbv #	36
60) o-Xylene	13.65	91	3519854	7.774	ppbv	99
61) Styrene	13.49	104	2079715	8.153	ppbv	98
62) Isopropylbenzene	14.63	105	4980681	7.654	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.64	83	2400104	7.098	ppbv	99
64) n-propylbenzene	15.52	120	1358077	8.089	ppbv	98
65) tert-Butylbenzene	16.71	119	4551307	7.751	ppbv	99
66) Benzyl Chloride	16.95	91	168616	5.176	ppbv	99
67) sec-Butylbenzene	17.26	105	6191277	7.729	ppbv	100
69) p-Isopropyltoluene	17.62	119	5461996	7.931	ppbv	99
70) n-Butylbenzene	18.51	91	5297808	8.097	ppbv	99
71) 2-Chlorotoluene	15.41	91	3679109	7.828	ppbv	99
72) 4-Ethyltoluene	15.80	105	4348900	8.093	ppbv	99
73) 1,3,5-Trimethylbenzene	15.96	105	3997025	7.920	ppbv	99
74) 1,2,4-Trimethylbenzene	16.73	105	4177076	8.005	ppbv	98
75) 1,3-Dichlorobenzene	16.95	146	2564864	8.050	ppbv	100
76) 1,4-Dichlorobenzene	17.10	146	2502893	7.769	ppbv	100
77) 1,2-Dichlorobenzene	17.78	146	2507097	7.853	ppbv	99
78) Hexachloro-1,3-Butadiene	23.34	225	1854074	7.222	ppbv	100
79) Naphthalene	22.15	128	3729170	9.109	ppbv	99
80) Naphthalene, 2-methyl-	24.94	142	875365	9.833	ppbv	99
81) 1,2,4-Trichlorobenzene	21.88	180	2105149	8.435	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.01 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

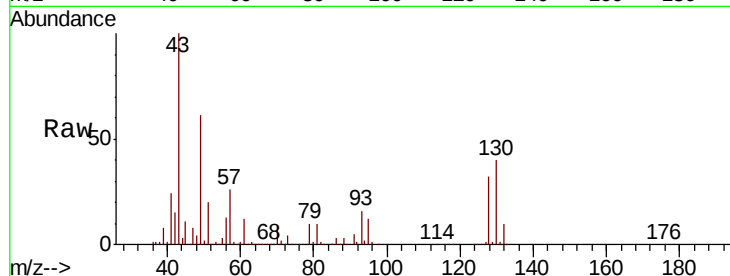
Tot Ion: 49 Resp: 1175991

Ion Ratio Lower Upper

49 100

128 56.8 26.9 80.7

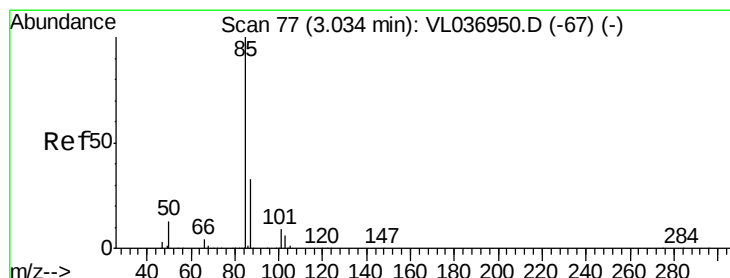
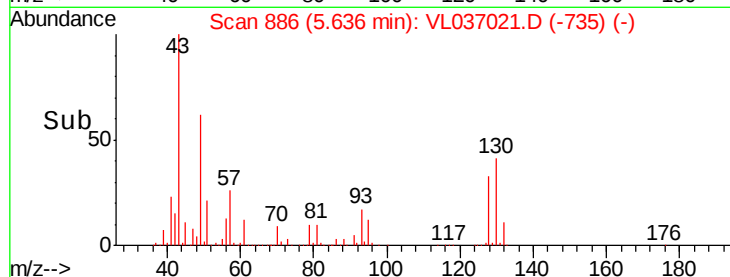
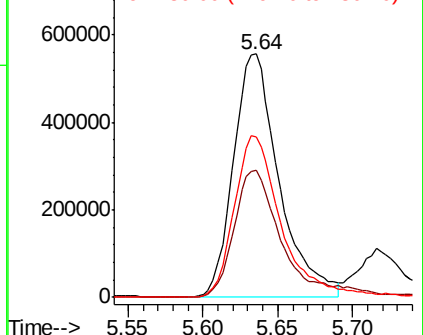
130 70.2 33.8 101.4



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: 8.730 ppbv

RT: 3.02 min Scan# 73

Delta R.T. -0.01 min

Lab File: VL037021.D

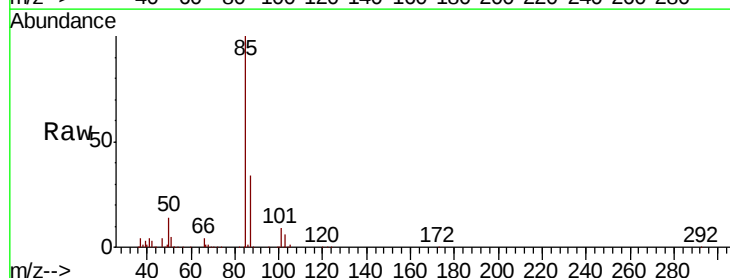
Acq: 20 May 2021 12:28

Tgt Ion: 85 Resp: 1741631

Ion Ratio Lower Upper

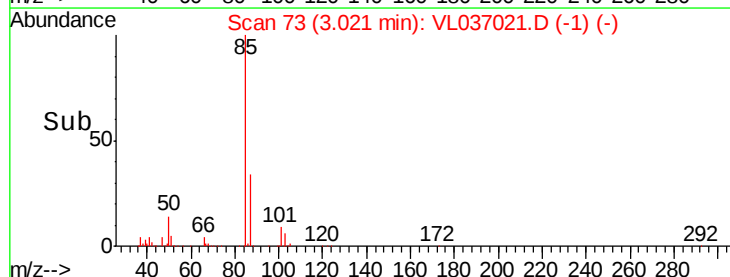
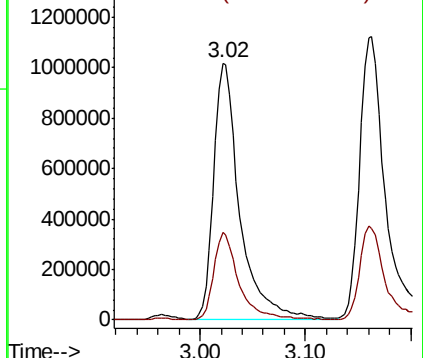
85 100

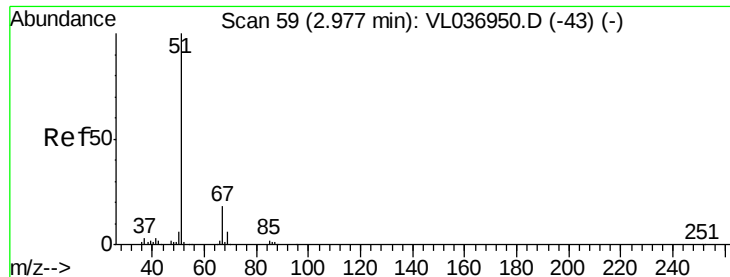
87 34.0 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.720 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

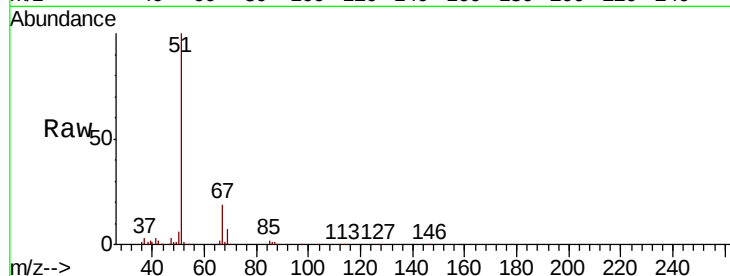
VL0520ABS01

Tot Ion: 51 Resp: 2094009

Ion Ratio Lower Upper

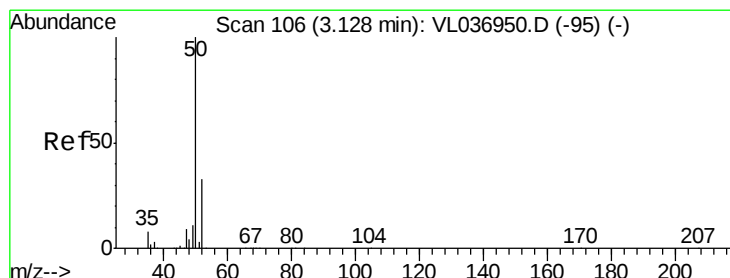
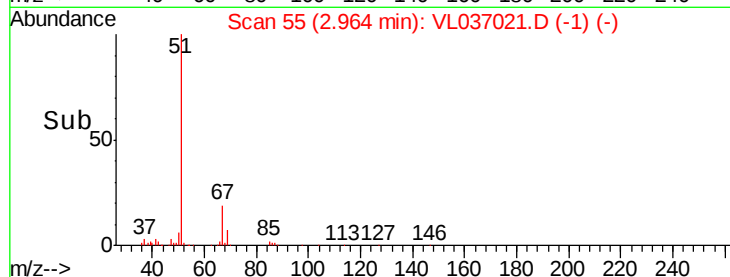
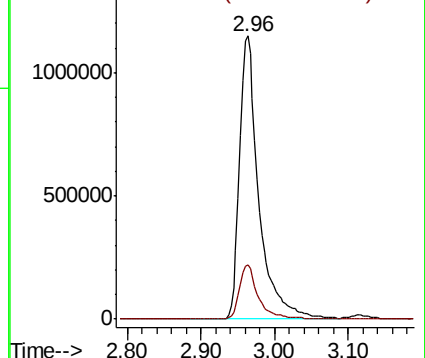
51 100

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: 9.982 ppbv

RT: 3.11 min Scan# 102

Delta R.T. -0.01 min

Lab File: VL037021.D

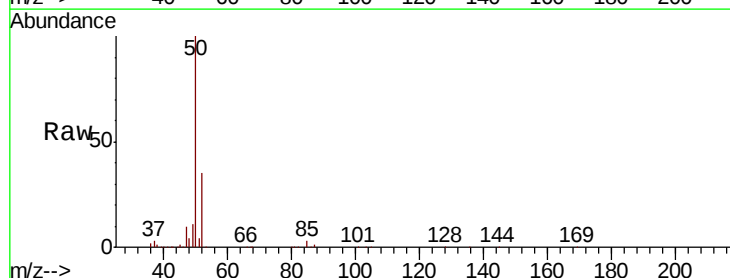
Acq: 20 May 2021 12:28

Tgt Ion: 50 Resp: 731800

Ion Ratio Lower Upper

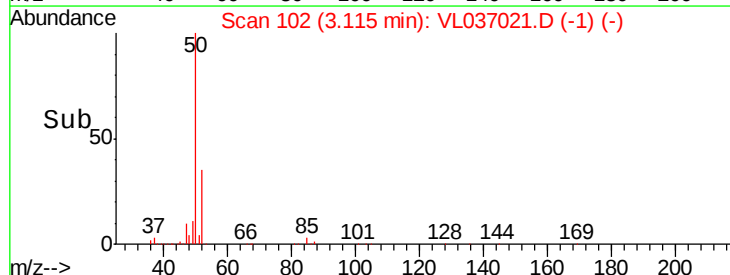
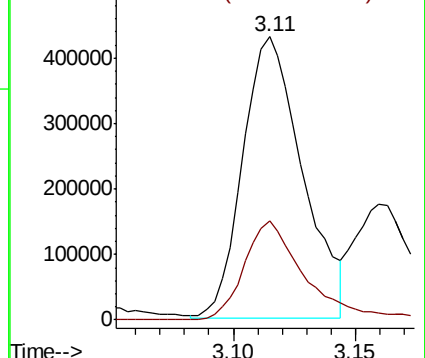
50 100

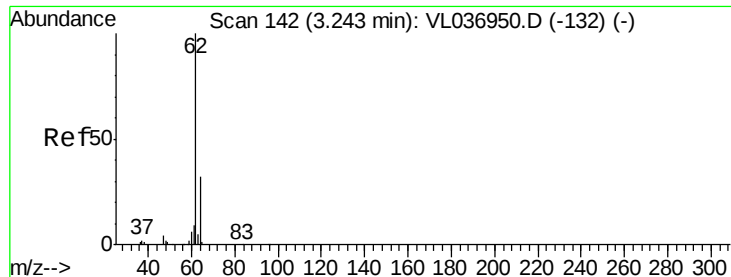
52 35.2 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.922 ppbv

RT: 3.23 min Scan# 138

Delta R.T. -0.01 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

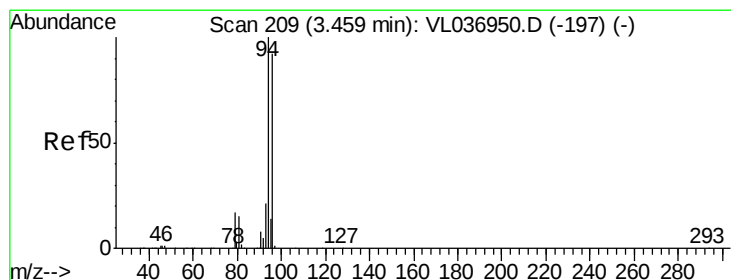
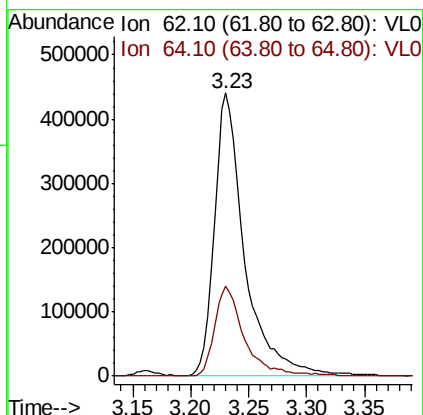
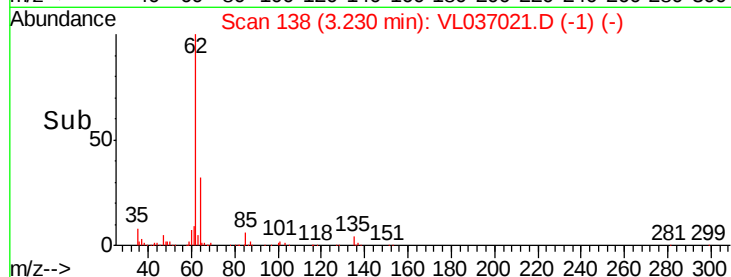
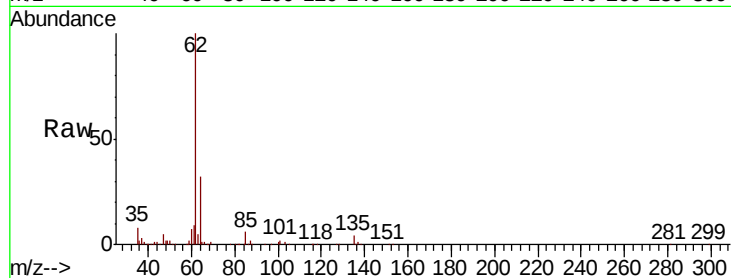
VL0520ABS01

Tot Ion: 62 Resp: 795105

Ion Ratio Lower Upper

62 100

64 31.9 25.9 38.9



#6

Bromomethane

Concen: 10.045 ppbv

RT: 3.45 min Scan# 206

Delta R.T. -0.01 min

Lab File: VL037021.D

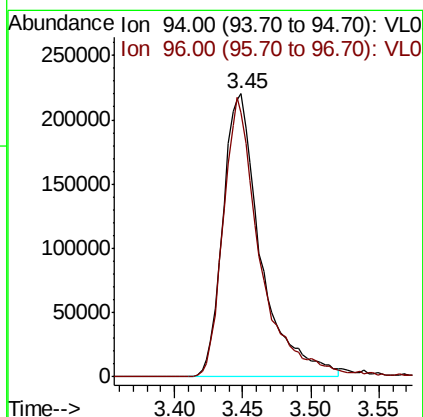
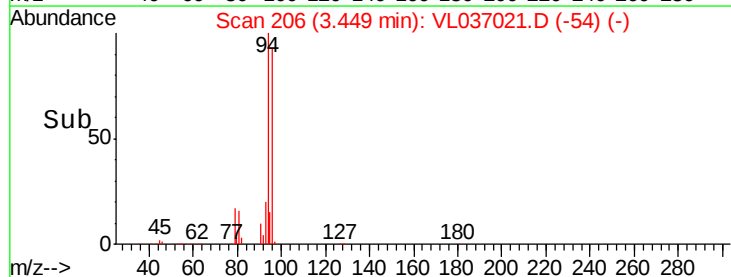
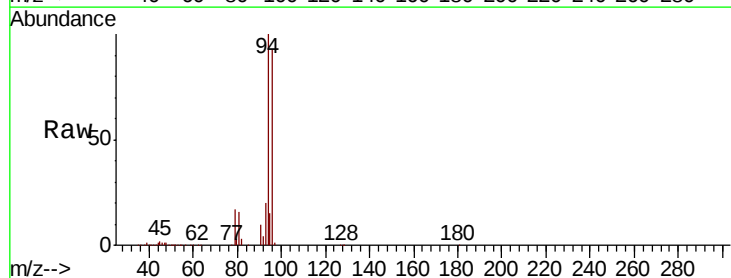
Acq: 20 May 2021 12:28

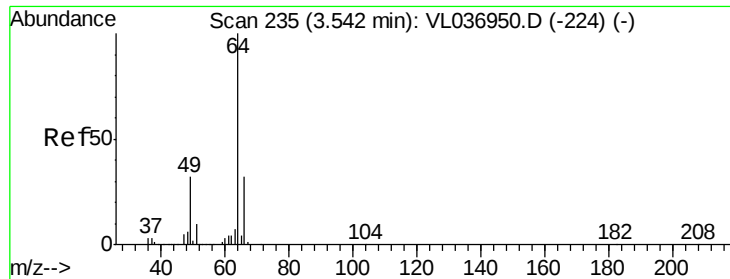
Tgt Ion: 94 Resp: 424147

Ion Ratio Lower Upper

94 100

96 93.0 74.0 111.0





#7

Chloroethane

Concen: 10.581 ppbv

RT: 3.53 min Scan# 231

Delta R.T. -0.01 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

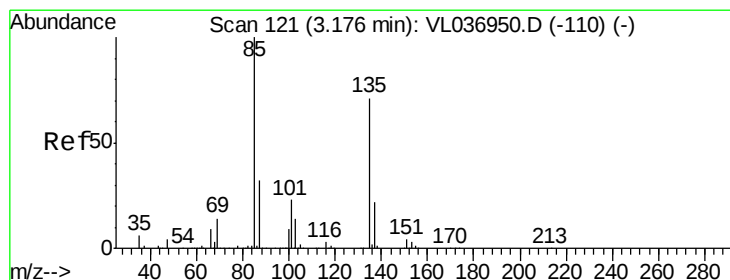
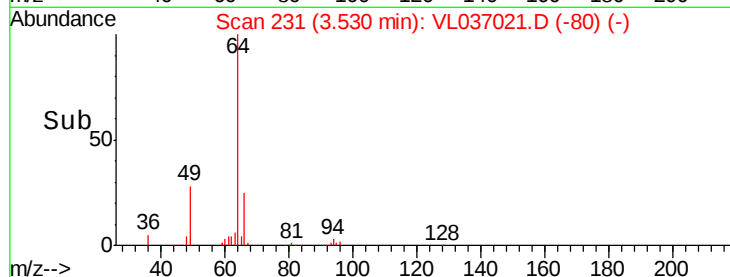
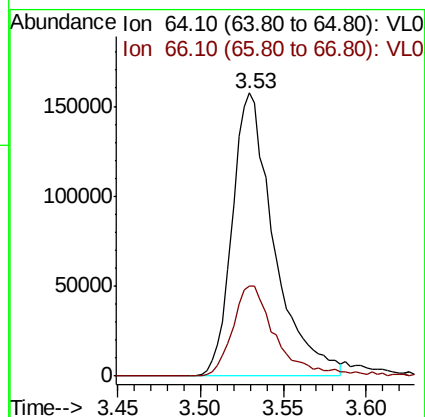
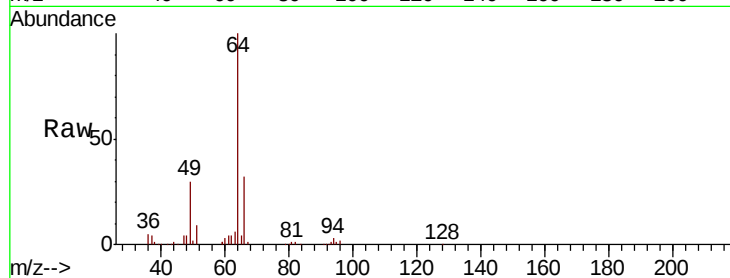
VL0520ABS01

Tot Ion: 64 Resp: 275310

Ion Ratio Lower Upper

64 100

66 32.0 25.4 38.2



#8

Dichlorotetrafluoroethane

Concen: 10.107 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.01 min

Lab File: VL037021.D

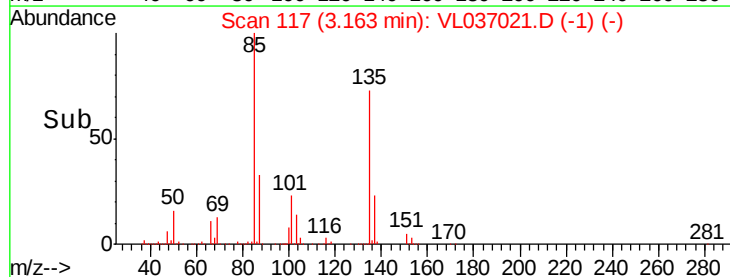
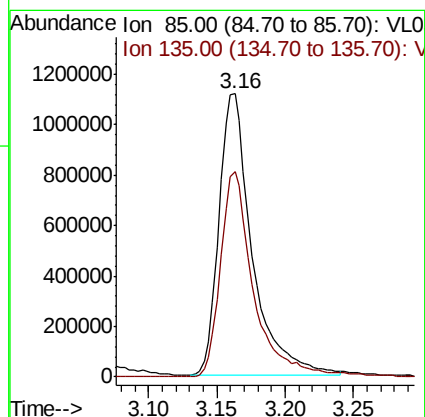
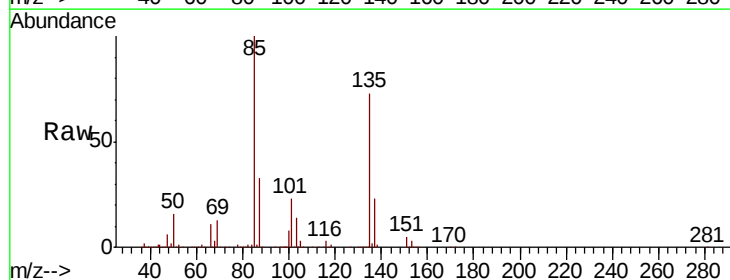
Acq: 20 May 2021 12:28

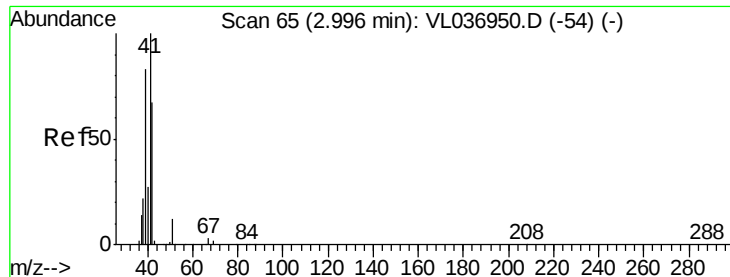
Tgt Ion: 85 Resp: 1893209

Ion Ratio Lower Upper

85 100

135 73.6 57.7 86.5





#9

Propene

Concen: 9.392 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.01 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

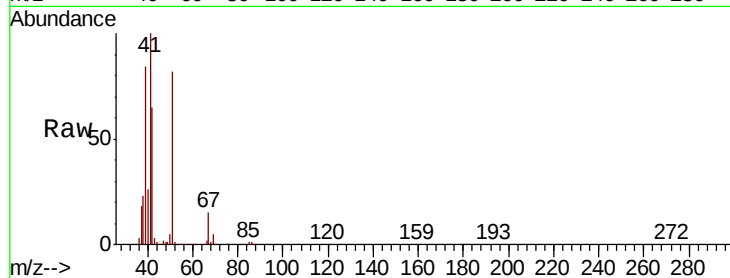
VL0520ABS01

Tot Ion: 41 Resp: 724562

Ion Ratio Lower Upper

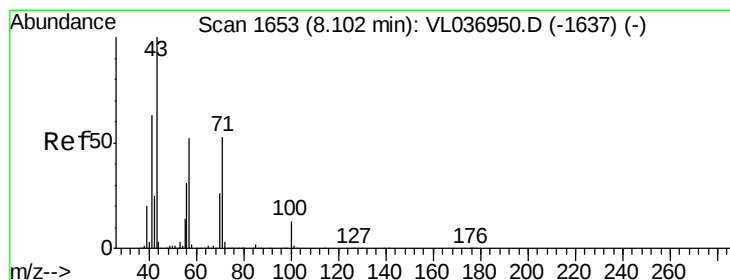
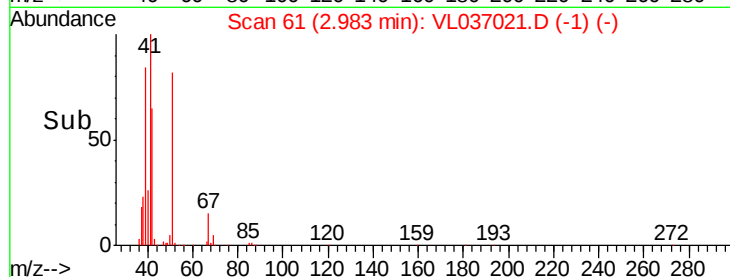
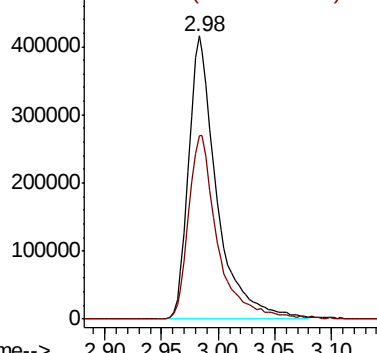
41 100

42 67.2 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.243 ppbv

RT: 8.09 min Scan# 1648

Delta R.T. -0.02 min

Lab File: VL037021.D

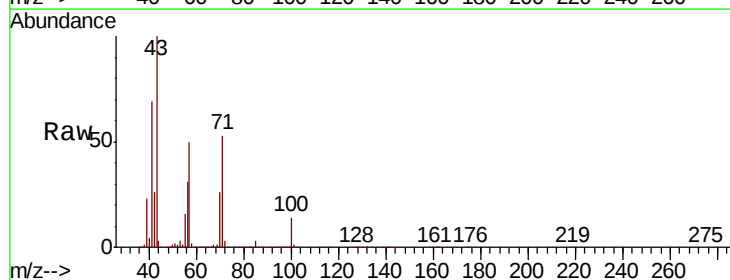
Acq: 20 May 2021 12:28

Tgt Ion: 43 Resp: 1777099

Ion Ratio Lower Upper

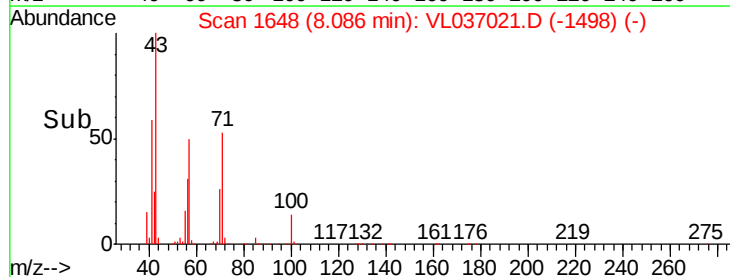
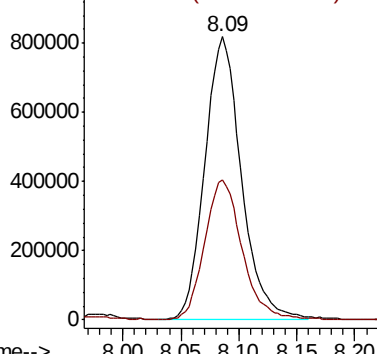
43 100

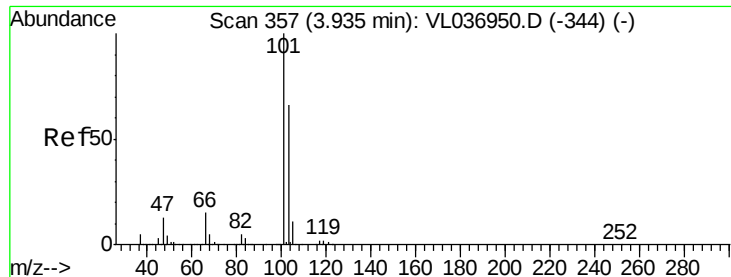
57 51.2 41.0 61.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 10.552 ppbv

RT: 3.92 min Scan# 353

Delta R.T. -0.01 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

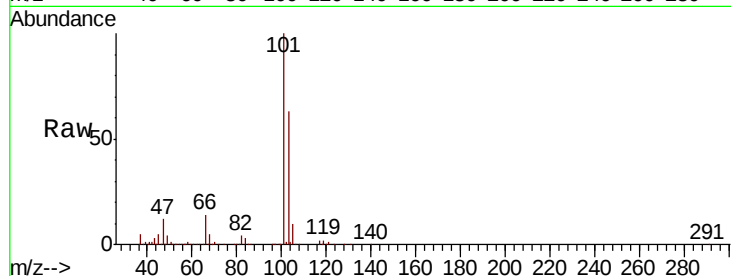
VL0520ABS01

Tot Ion:101 Resp: 1948590

Ion Ratio Lower Upper

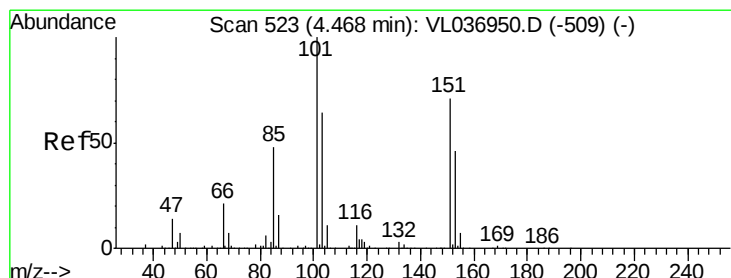
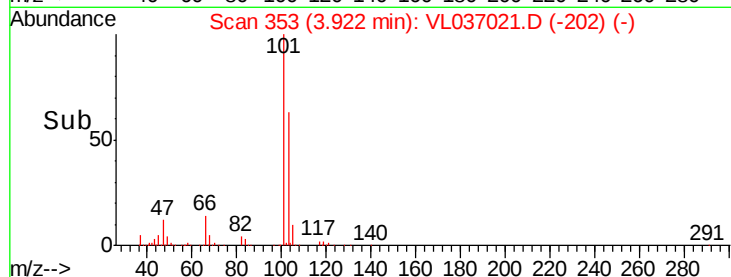
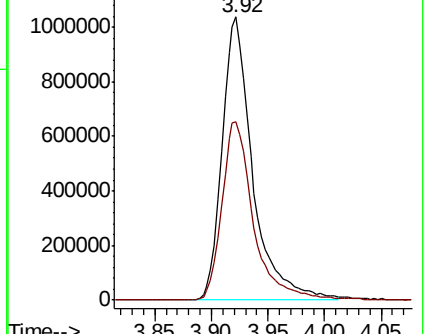
101 100

103 62.8 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: 10.454 ppbv

RT: 4.45 min Scan# 518

Delta R.T. -0.02 min

Lab File: VL037021.D

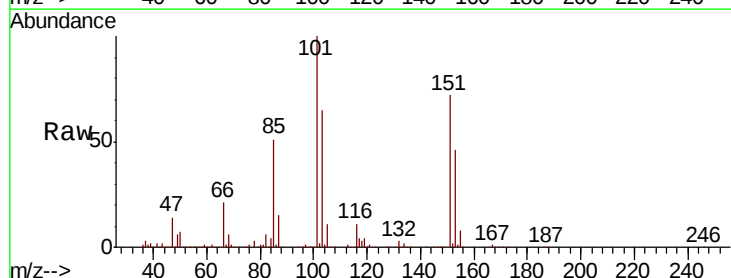
Acq: 20 May 2021 12:28

Tgt Ion:101 Resp: 1375010

Ion Ratio Lower Upper

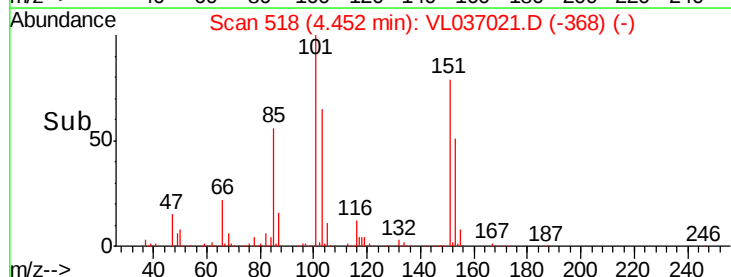
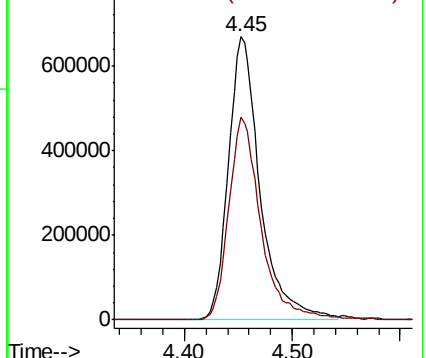
101 100

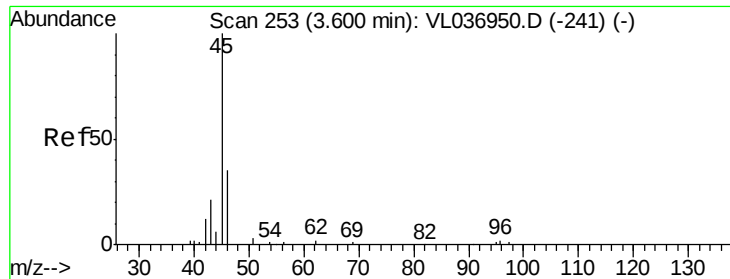
151 73.1 57.7 86.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.067 ppbv

RT: 3.58 min Scan# 247

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

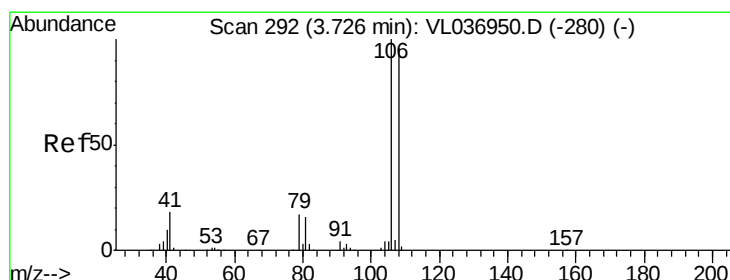
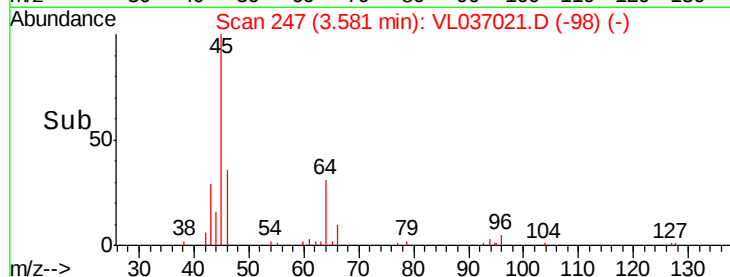
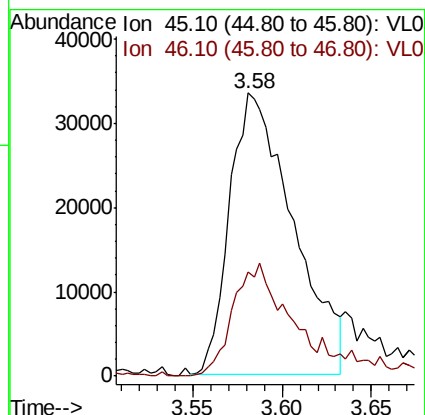
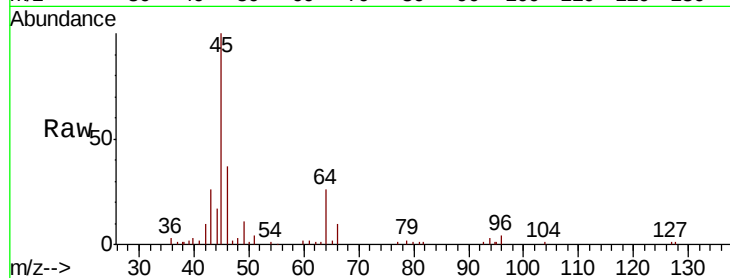
VL0520ABS01

Tot Ion: 45 Resp: 83033

Ion Ratio Lower Upper

45 100

46 40.1 16.3 65.3



#14

Bromoethene

Concen: 10.372 ppbv

RT: 3.71 min Scan# 287

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

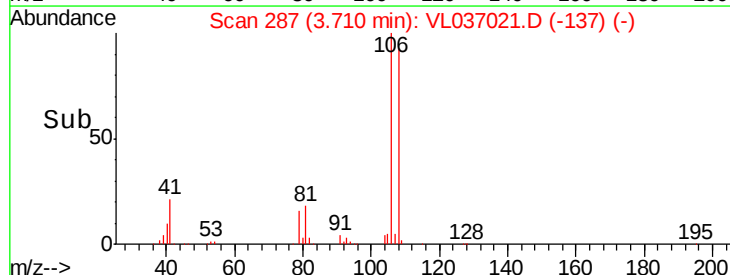
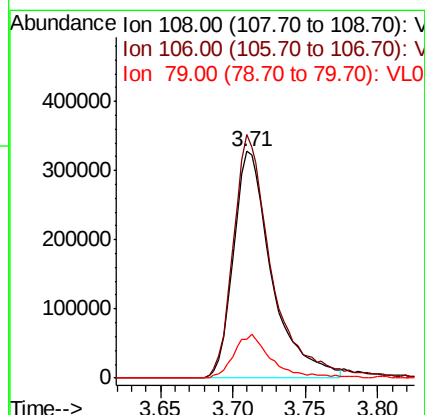
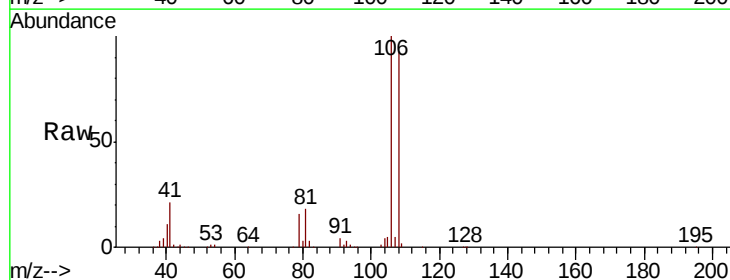
Tgt Ion: 108 Resp: 600894

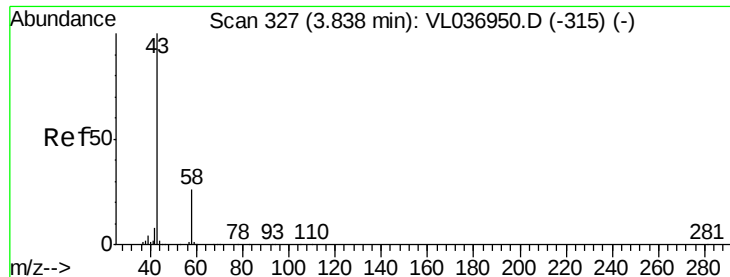
Ion Ratio Lower Upper

108 100

106 109.5 86.5 129.7

79 19.8 15.0 22.4





#15

Acetone

Concen: 8.511 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

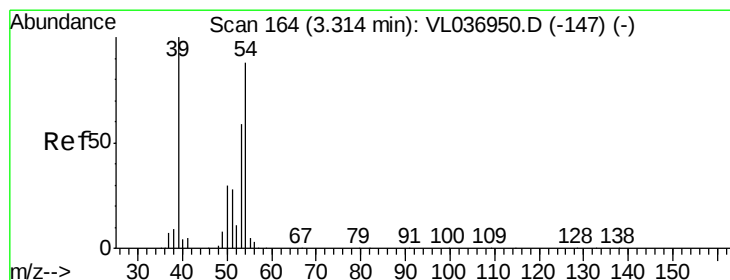
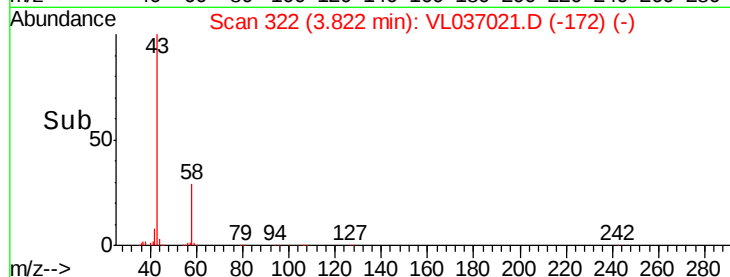
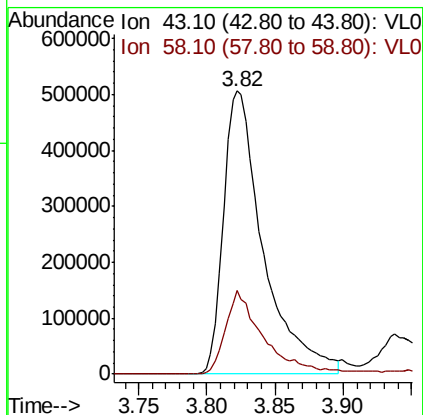
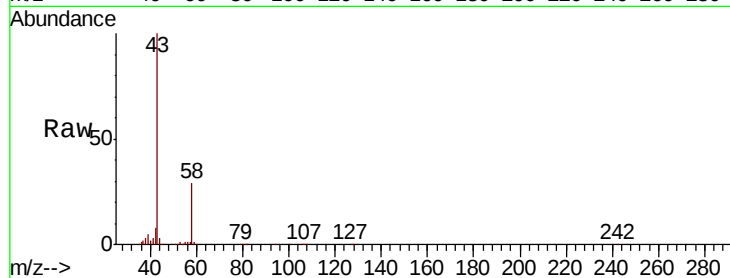
VL0520ABS01

Tot Ion: 43 Resp: 1025222

Ion Ratio Lower Upper

43 100

58 28.9 24.0 36.0



#16

1,3-Butadiene

Concen: 10.113 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.01 min

Lab File: VL037021.D

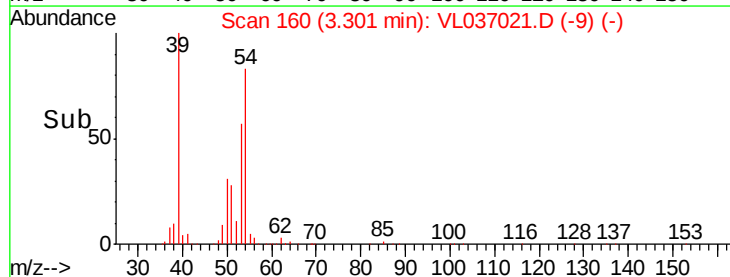
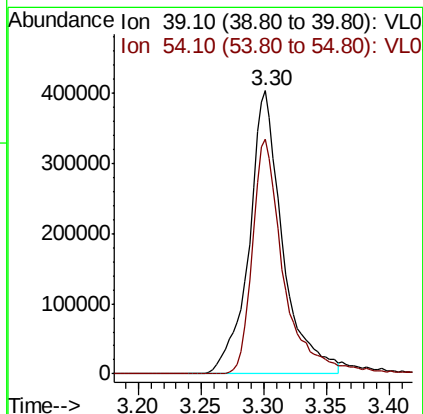
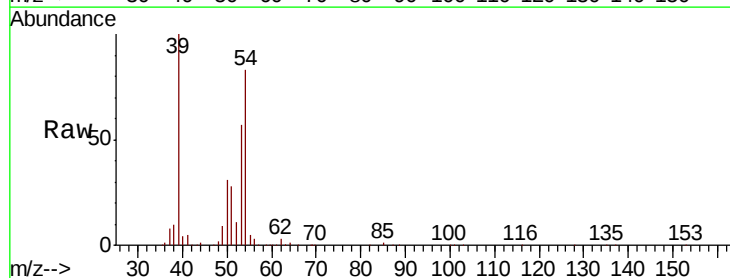
Acq: 20 May 2021 12:28

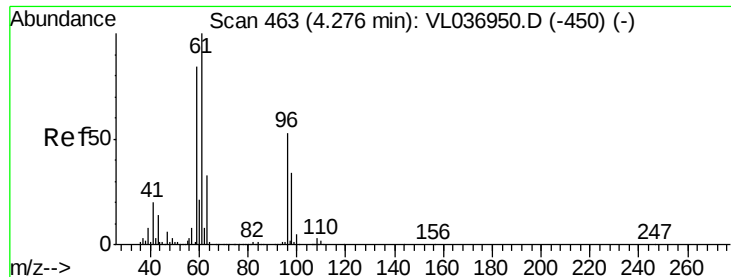
Tgt Ion: 39 Resp: 756811

Ion Ratio Lower Upper

39 100

54 77.9 63.2 94.8



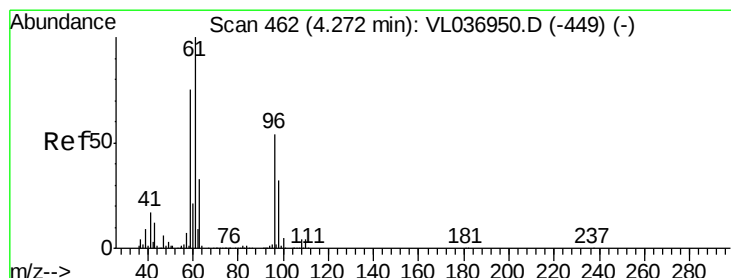
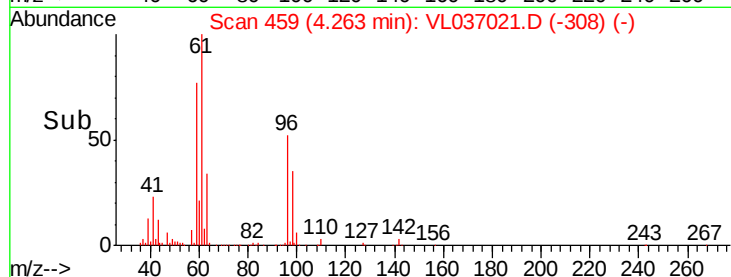
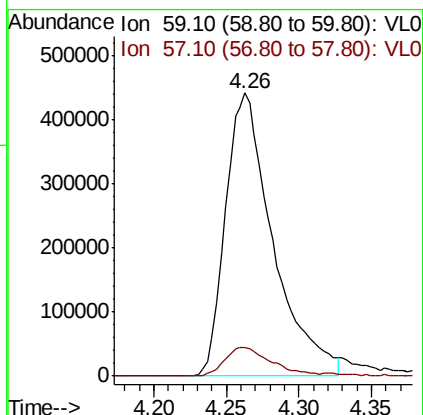
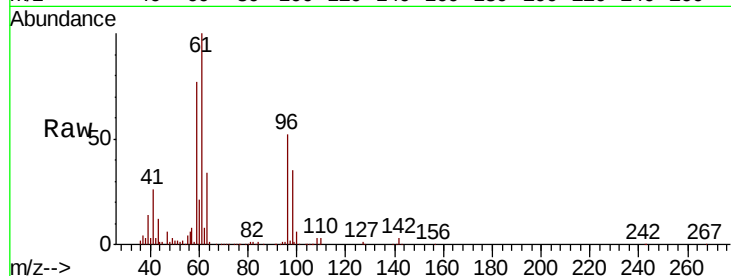


#17

tert-Butyl alcohol
Concen: 9.074 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.01 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

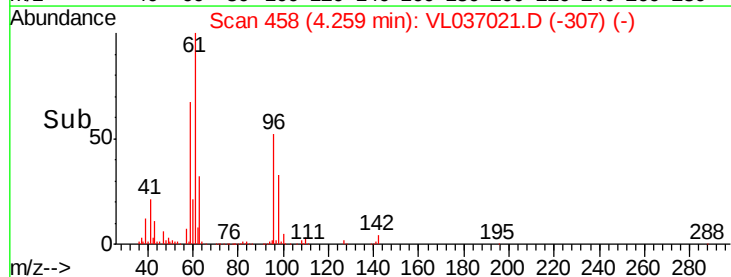
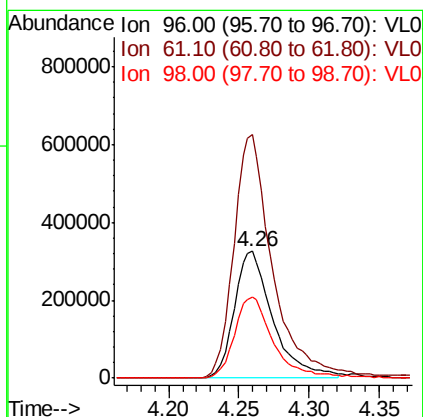
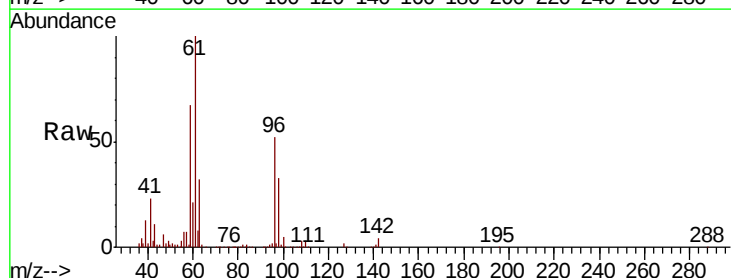
Tot Ion: 59 Resp: 1001155
Ion Ratio Lower Upper
59 100
57 10.7 8.3 12.5

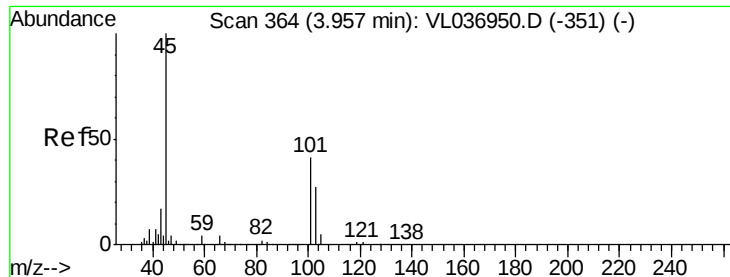


#18

1,1-Dichloroethene
Concen: 10.223 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Tgt Ion: 96 Resp: 621801
Ion Ratio Lower Upper
96 100
61 192.0 148.2 222.4
98 63.8 47.8 71.6





#19

Isopropyl Alcohol

Concen: 9.479 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

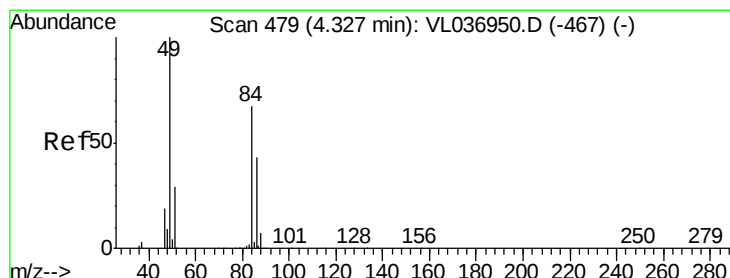
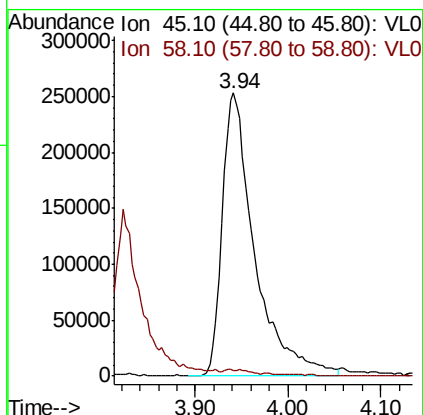
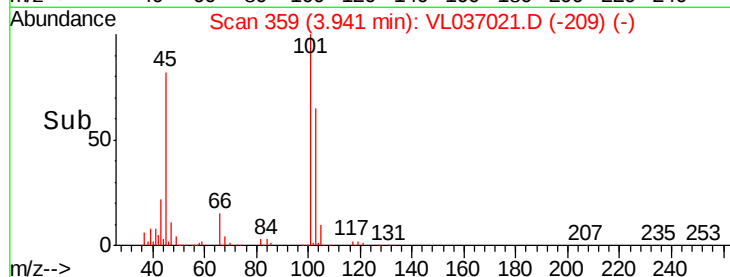
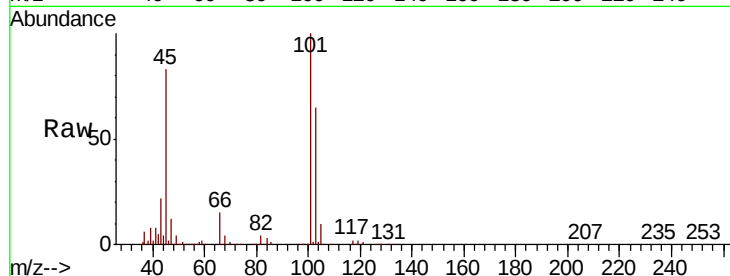
VL0520ABS01

Tot Ion: 45 Resp: 613773

Ion Ratio Lower Upper

45 100

58 50.5 37.2 55.8



#20

Methylene Chloride

Concen: 8.391 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Tgt Ion: 84 Resp: 541819

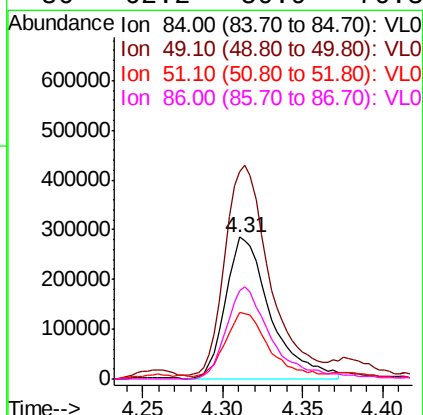
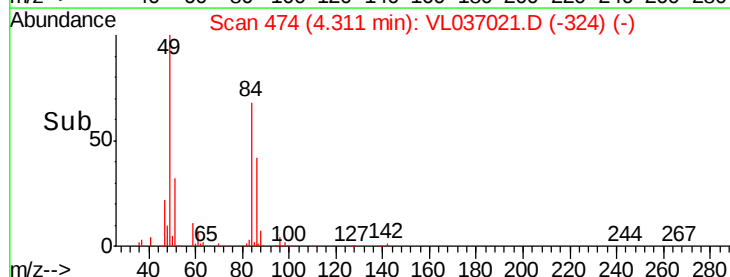
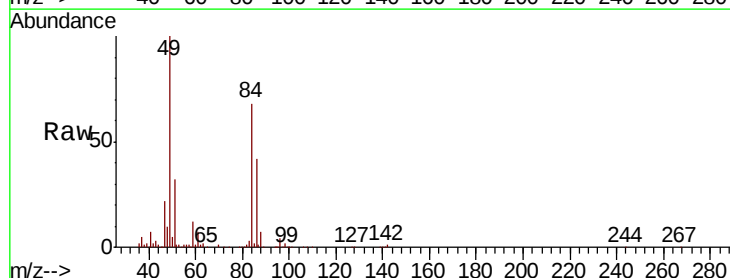
Ion Ratio Lower Upper

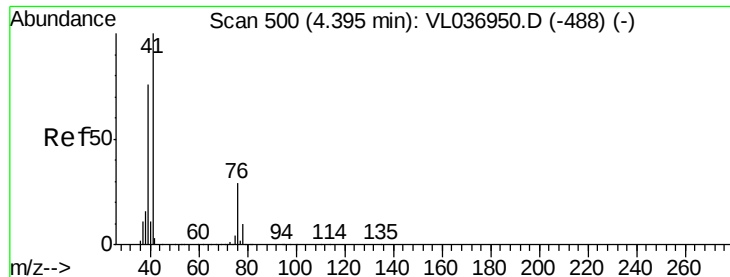
84 100

49 144.3 119.8 179.6

51 45.4 35.1 52.7

86 62.2 50.9 76.3





#21

Allvl Chloride

Concen: 10.239 ppbv

RT: 4.38 min Scan# 495

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

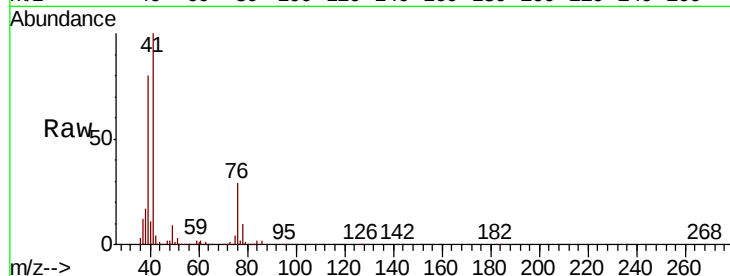
Tot Ion: 41 Resp: 930366

Ion Ratio Lower Upper

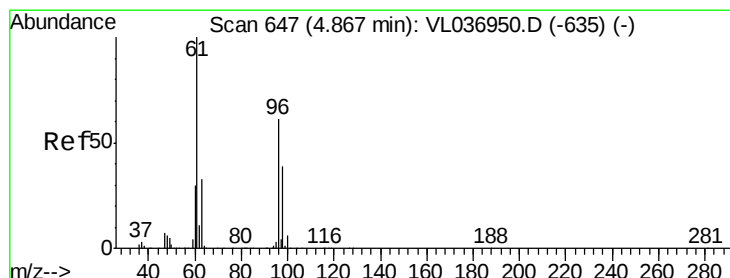
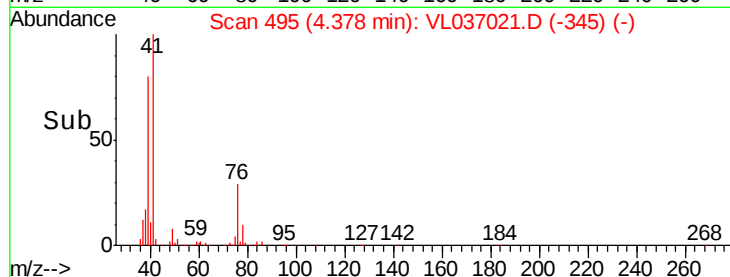
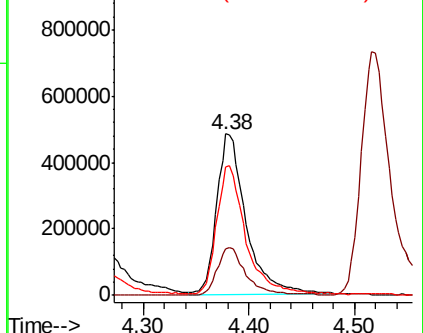
41 100

76 30.0 24.9 37.3

39 80.3 63.7 95.5



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.572 ppbv

RT: 4.85 min Scan# 643

Delta R.T. -0.01 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

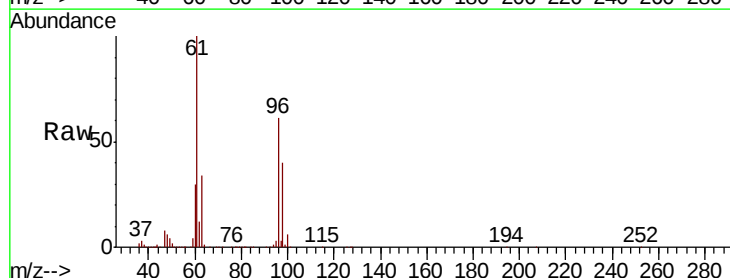
Tgt Ion: 96 Resp: 616249

Ion Ratio Lower Upper

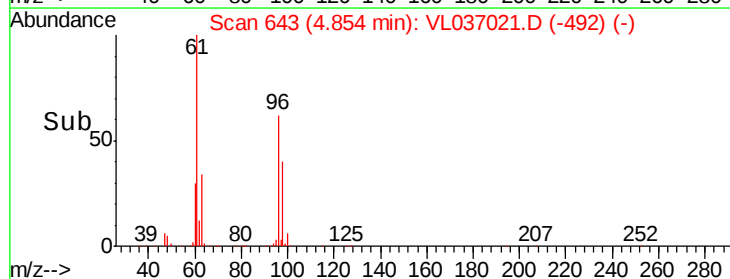
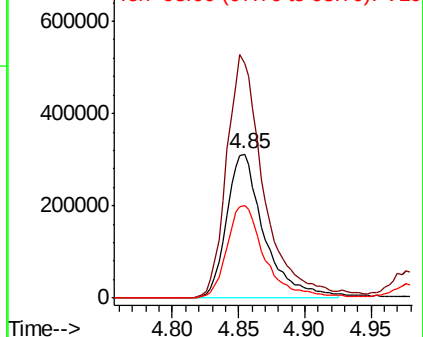
96 100

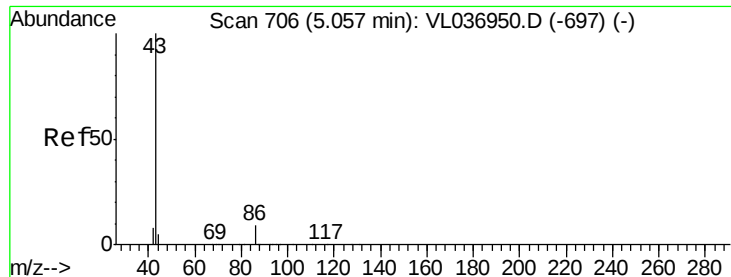
61 162.7 130.6 196.0

98 64.5 50.8 76.2



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





#23

Vinyl Acetate

Concen: 9.320 ppbv

RT: 5.04 min Scan# 701

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampled :

VL0520ABS01

Tot Ion: 43 Resp: 1781921

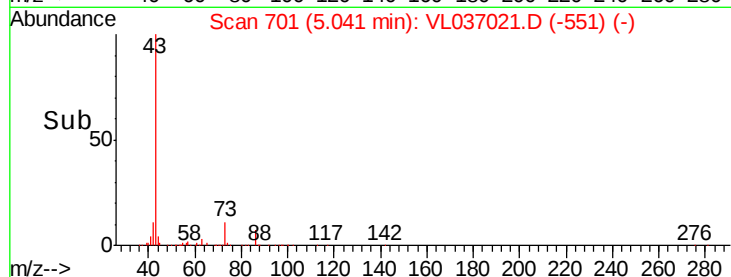
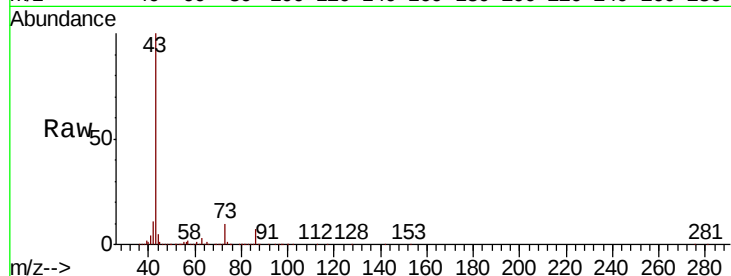
Ion Ratio Lower Upper

43 100

86 7.1 5.8 8.8

42 10.5 7.4 11.2

44 4.7 3.3 4.9

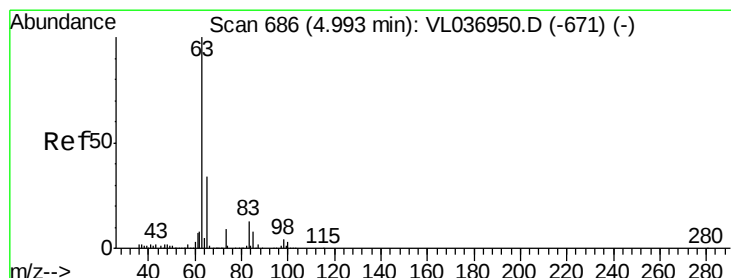
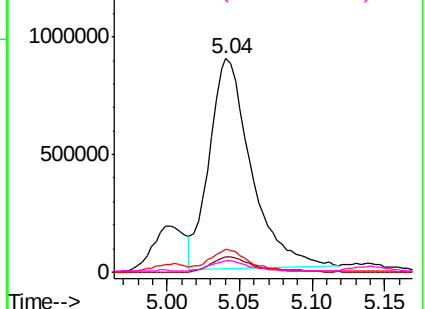


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.617 ppbv

RT: 4.98 min Scan# 682

Delta R.T. -0.01 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

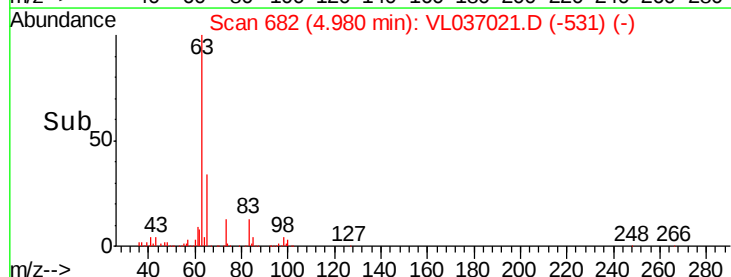
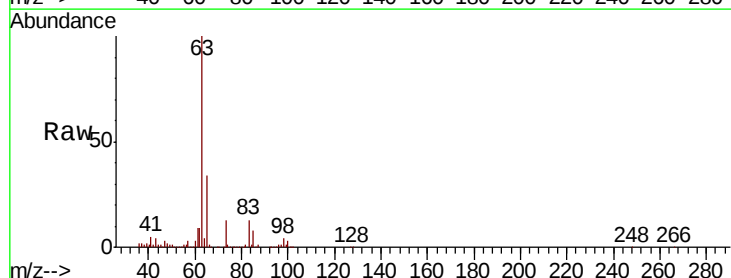
Tgt Ion: 63 Resp: 1323468

Ion Ratio Lower Upper

63 100

98 4.3 2.3 6.9

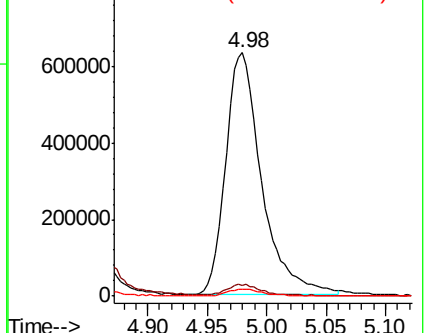
100 2.9 1.4 4.0

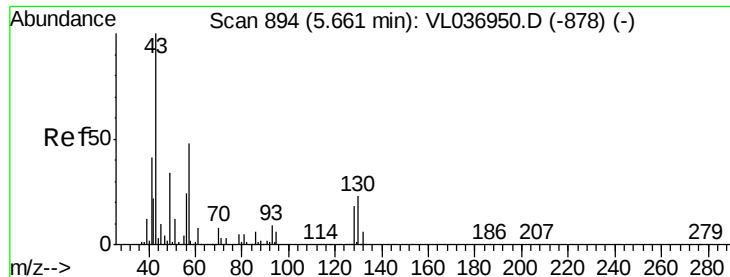


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



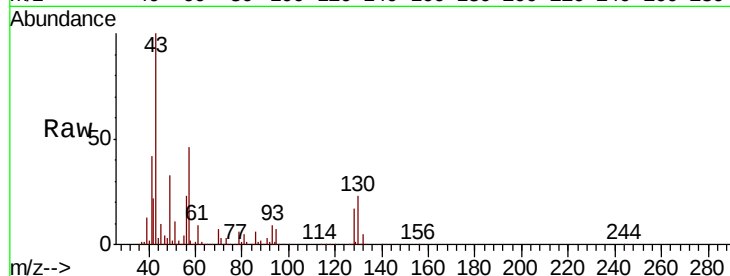


#25
Ethyl Acetate
Concen: 9.434 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

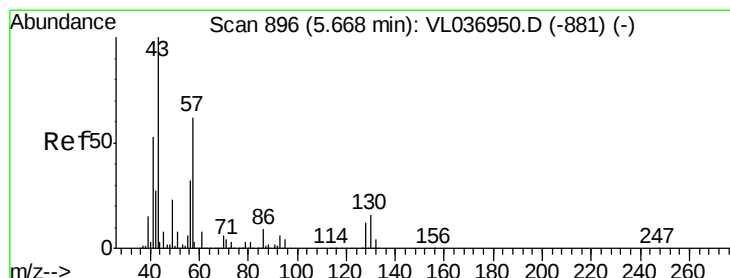
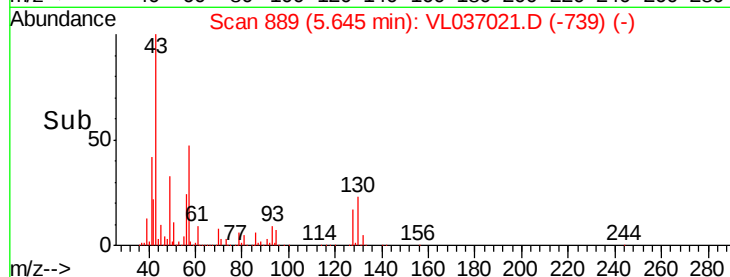
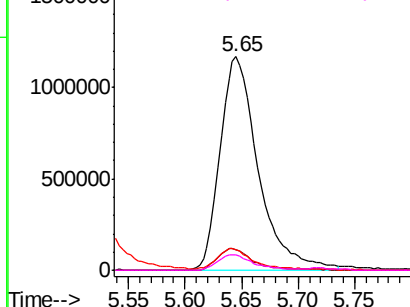
Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tot Ion: 43 Resp: 2730761

Ion	Ratio	Lower	Upper
43	100		
45	9.8	7.8	11.8
61	9.5	7.8	11.8
70	7.0	5.6	8.4



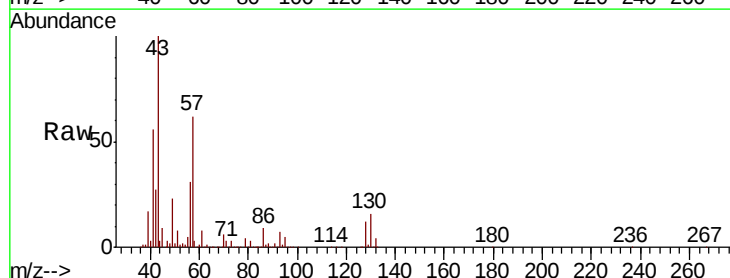
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



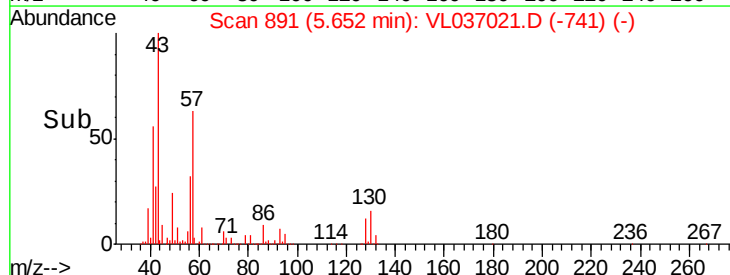
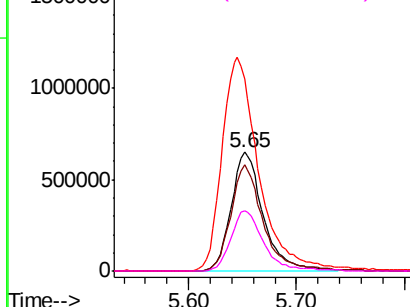
#26
Hexane
Concen: 9.108 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

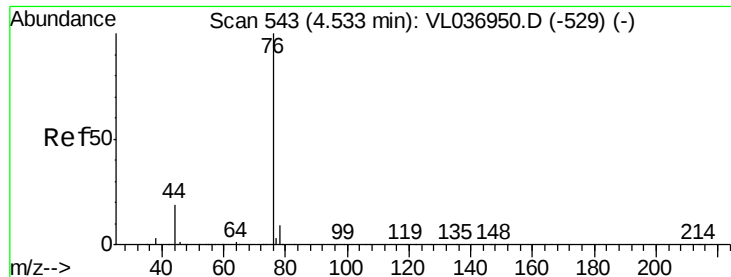
Tgt Ion: 57 Resp: 1346816

Ion	Ratio	Lower	Upper
57	100		
41	90.9	70.5	105.7
43	206.8	165.8	248.8
56	52.2	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

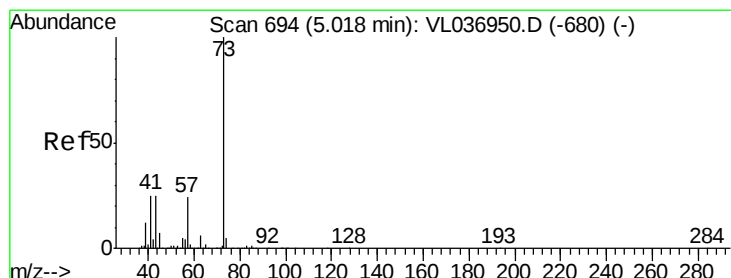
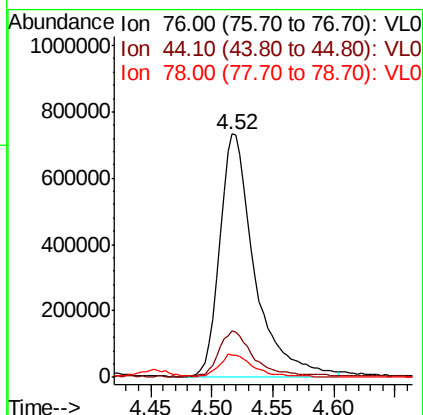
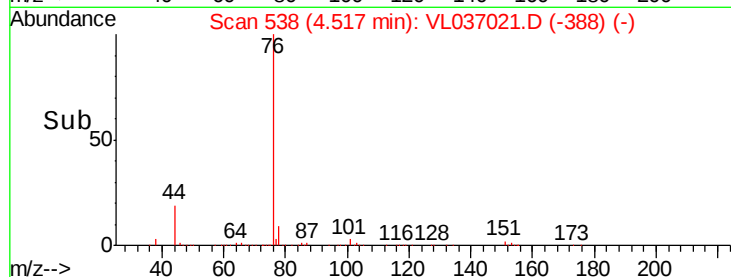
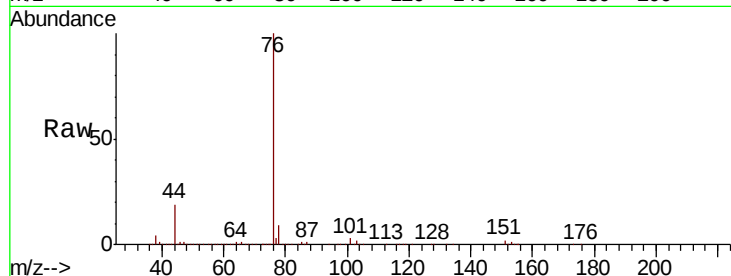




#27
Carbon Disulfide
Concen: 9.830 ppbv
RT: 4.52 min Scan# 538
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

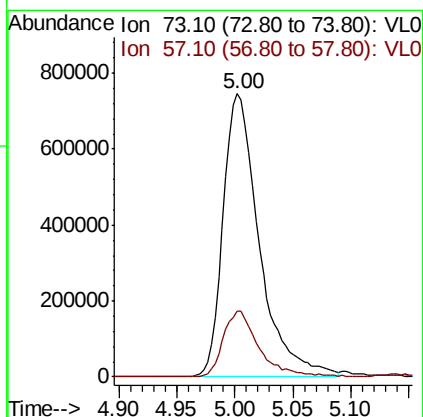
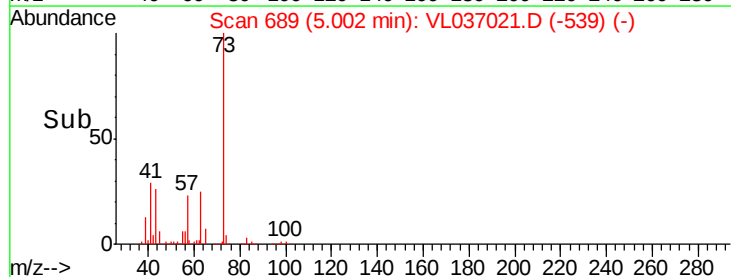
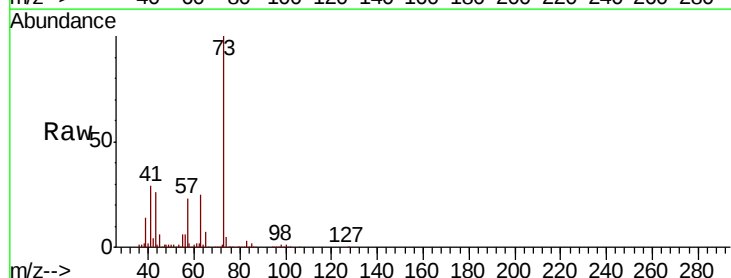
Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

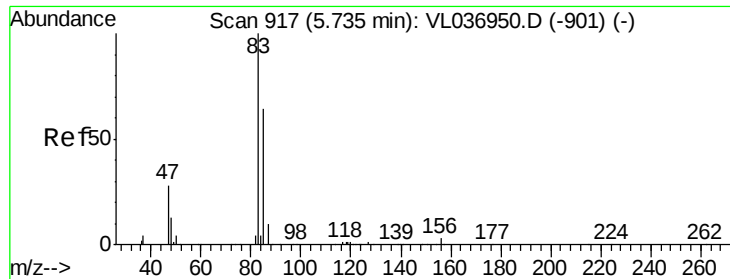
Tot Ion: 76 Resp: 1464902
Ion Ratio Lower Upper
76 100
44 19.3 15.5 23.3
78 9.5 7.8 11.6



#28
Methyl tert-Butyl Ether
Concen: 9.095 ppbv
RT: 5.00 min Scan# 689
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Tgt Ion: 73 Resp: 1612032
Ion Ratio Lower Upper
73 100
57 23.2 18.3 27.5





#29

Chloroform

Concen: 10.029 ppbv

RT: 5.72 min Scan# 912

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

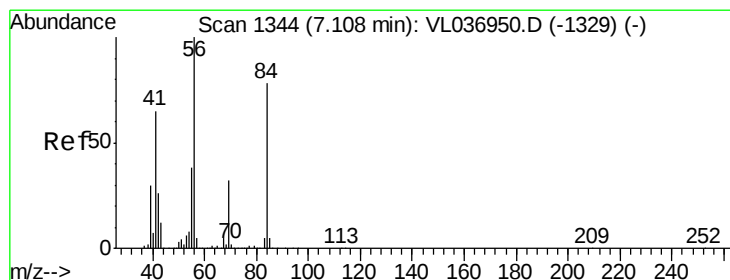
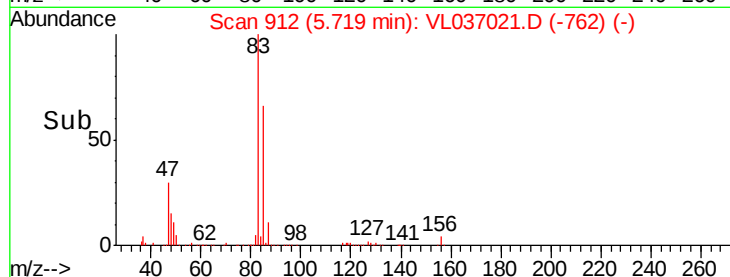
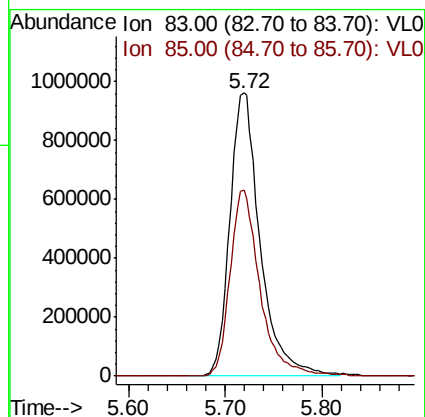
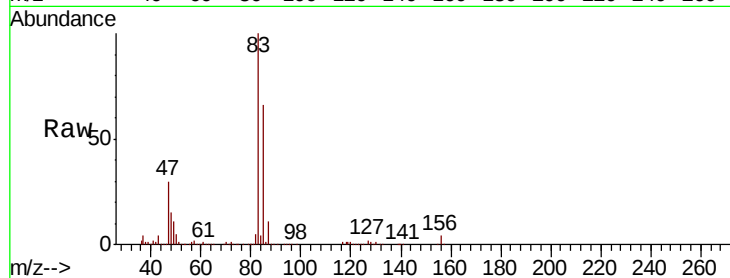
VL0520ABS01

Tot Ion: 83 Resp: 2095070

Ion Ratio Lower Upper

83 100

85 65.8 51.1 76.7



#30

Cyclohexane

Concen: 9.309 ppbv

RT: 7.09 min Scan# 1339

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

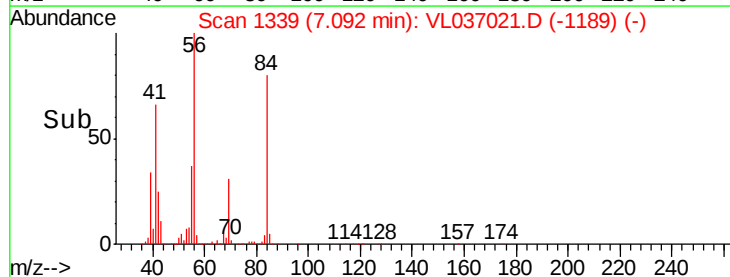
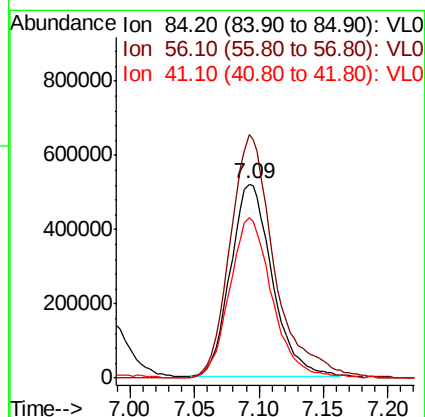
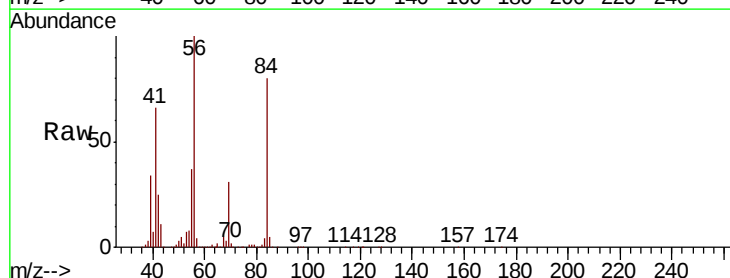
Tgt Ion: 84 Resp: 1169707

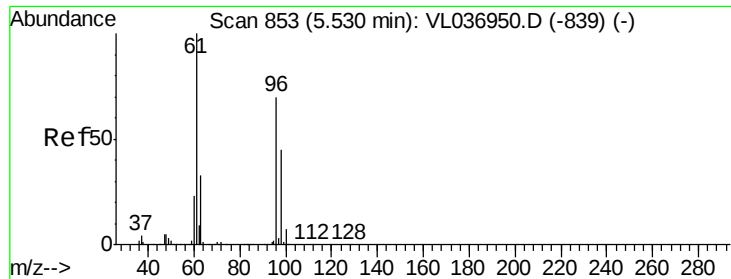
Ion Ratio Lower Upper

84 100

56 134.8 107.9 161.9

41 85.2 65.5 98.3

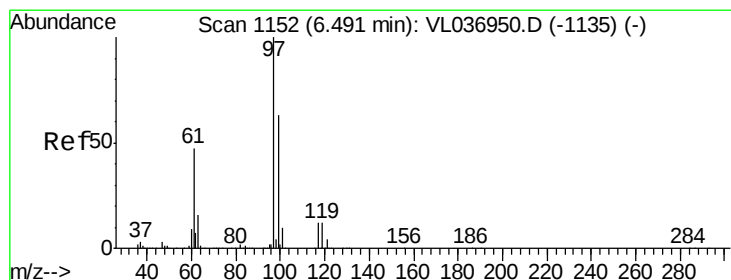
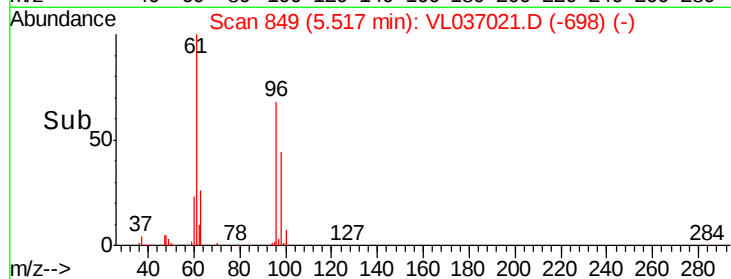
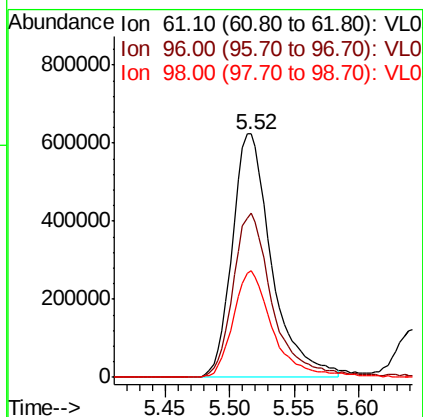
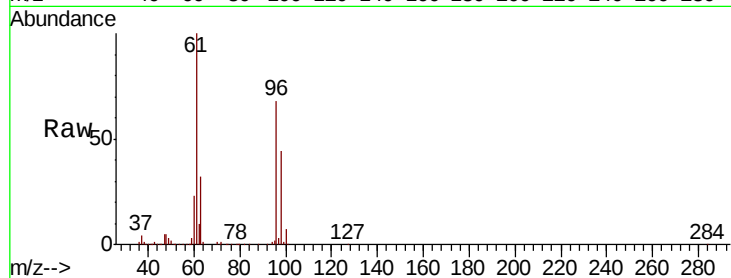




#31
 cis-1,2-Dichloroethene
 Concen: 9.967 ppbv
 RT: 5.52 min Scan# 849
 Delta R.T. -0.01 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

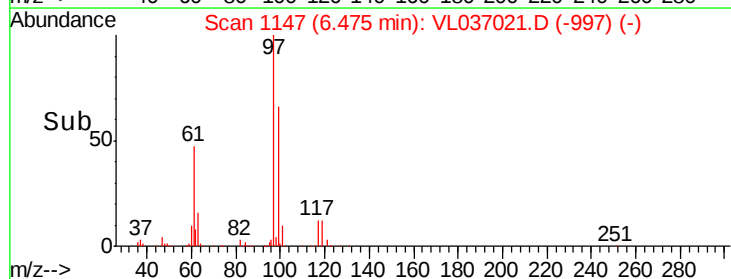
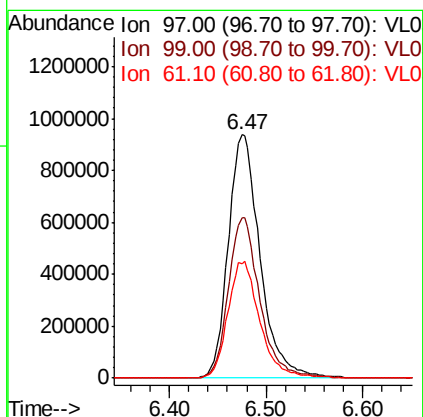
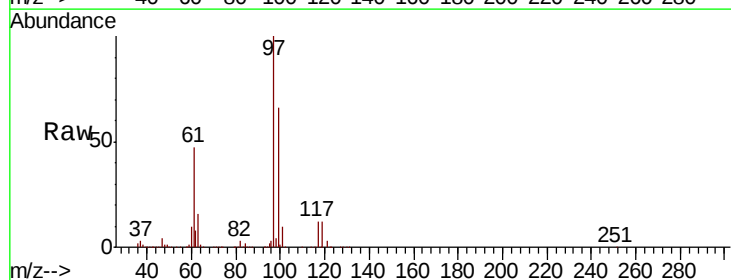
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0520ABS01

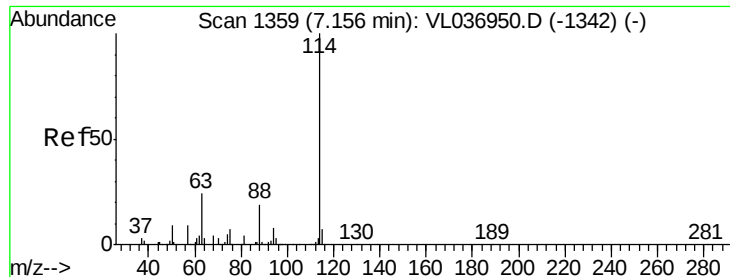
Tot Ion: 61 Resp: 1321321
 Ion Ratio Lower Upper
 61 100
 96 67.6 55.9 83.9
 98 43.7 35.6 53.4



#32
 1,1,1-Trichloroethane
 Concen: 9.553 ppbv
 RT: 6.47 min Scan# 1147
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Tgt Ion: 97 Resp: 2142983
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.9 77.9
 61 48.1 37.6 56.4

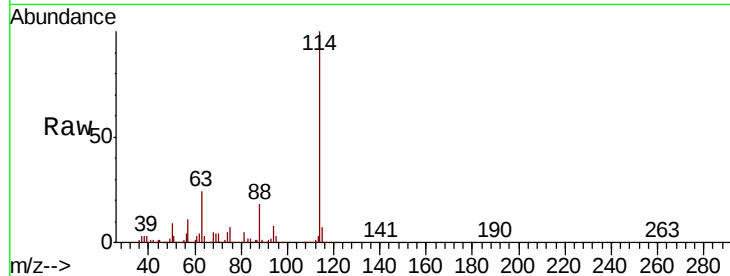




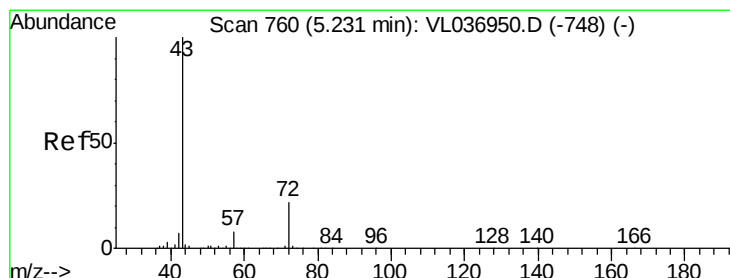
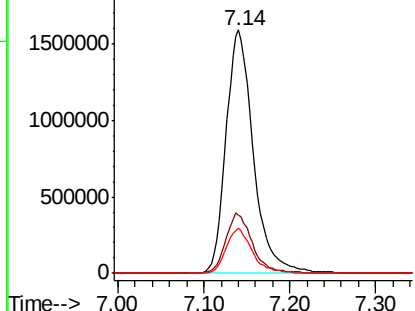
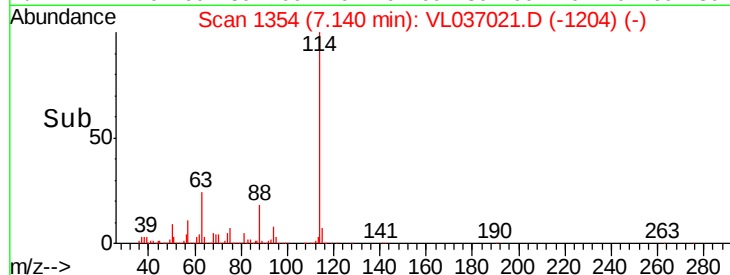
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1354
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0520ABS01

Tot Ion:114 Resp: 3519701
 Ion Ratio Lower Upper
 114 100
 63 24.4 19.6 29.4
 88 17.8 14.6 21.8

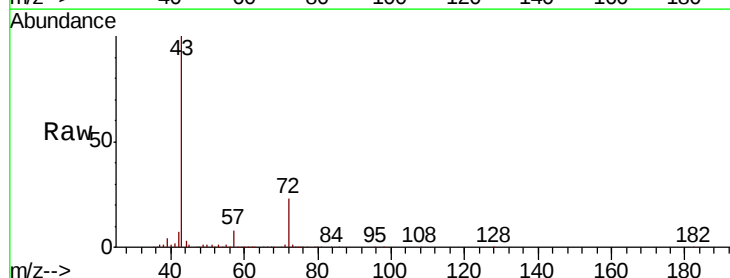


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

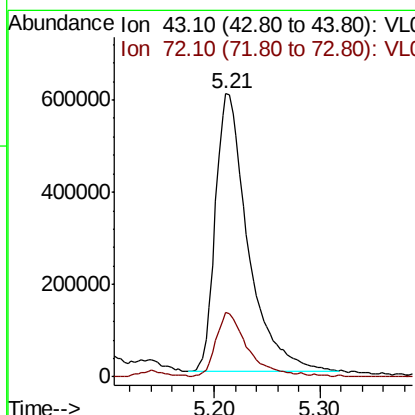
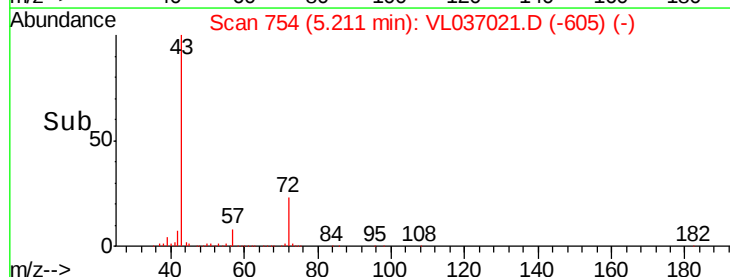


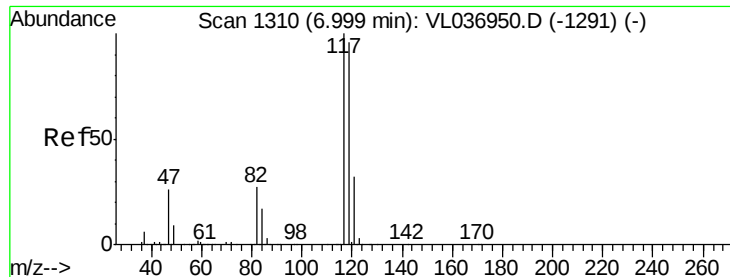
#34
 2-Butanone
 Concen: 10.093 ppbv
 RT: 5.21 min Scan# 754
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Tgt Ion: 43 Resp: 1293478
 Ion Ratio Lower Upper
 43 100
 72 23.7 19.0 28.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.554 ppbv

RT: 6.98 min Scan# 1305

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

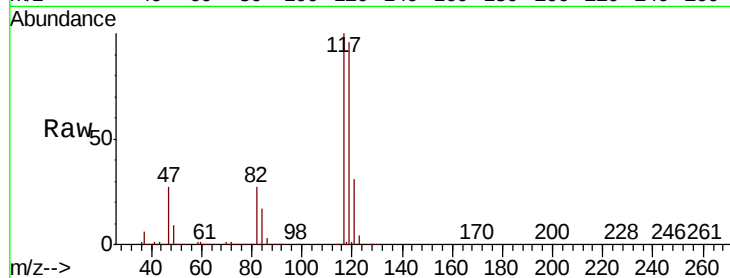
Tot Ion:117 Resp: 2234340

Ion Ratio Lower Upper

117 100

119 96.2 76.6 114.8

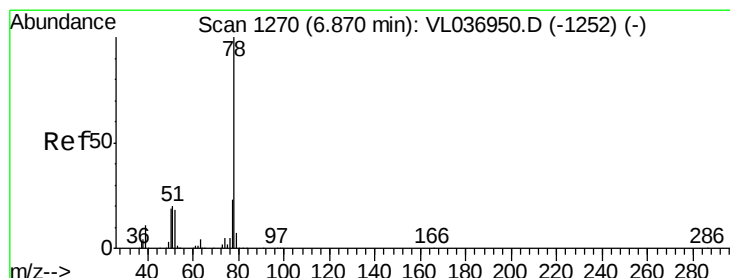
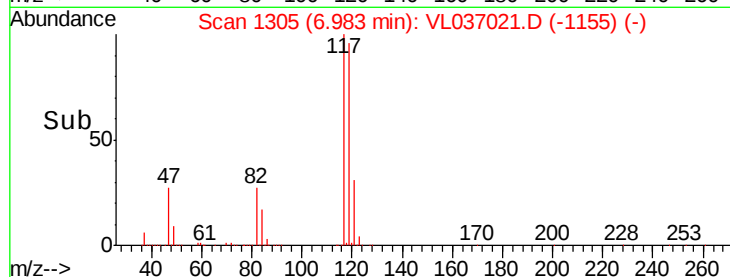
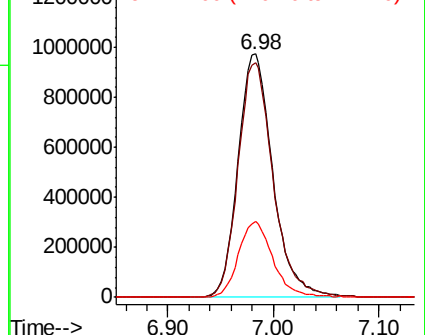
121 31.1 25.8 38.6



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: 9.219 ppbv

RT: 6.85 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

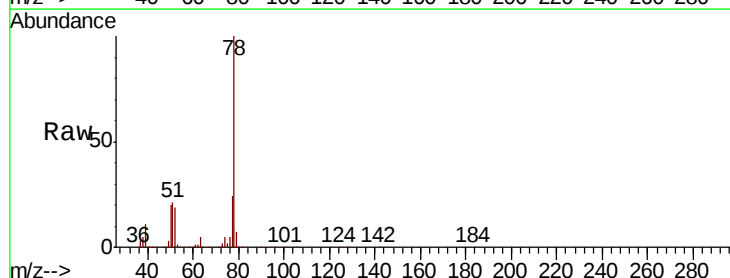
Tgt Ion: 78 Resp: 2794876

Ion Ratio Lower Upper

78 100

77 24.3 18.6 28.0

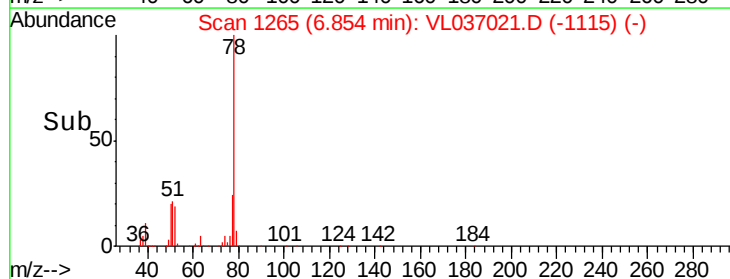
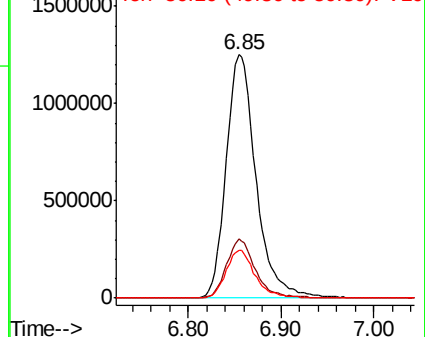
50 19.6 15.0 22.4

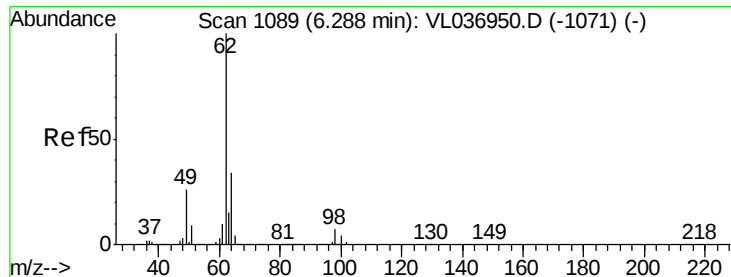


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.301 ppbv

RT: 6.27 min Scan# 1084

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

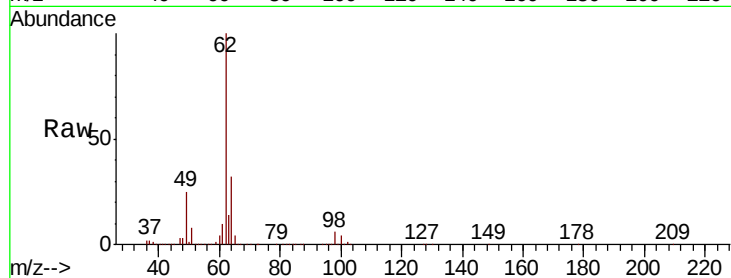
VL0520ABS01

Tot Ion: 62 Resp: 1548301

Ion Ratio Lower Upper

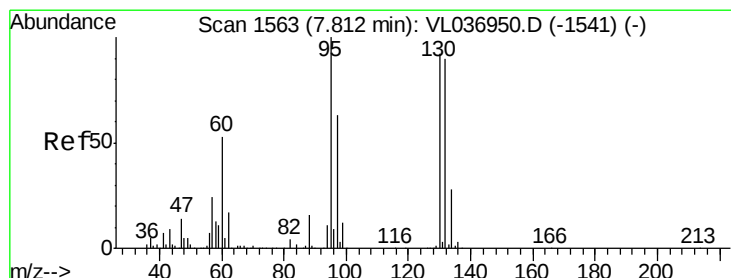
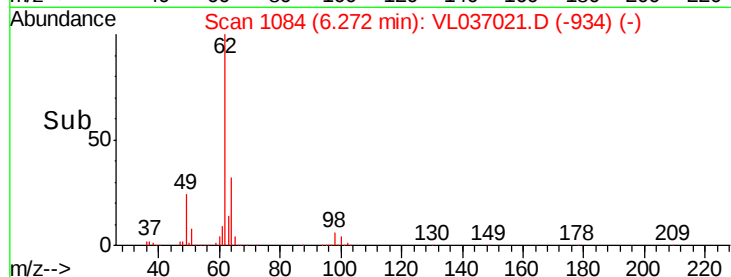
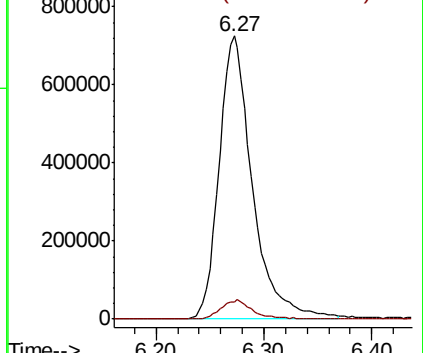
62 100

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: 8.955 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.01 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Tgt Ion:130 Resp: 1161387

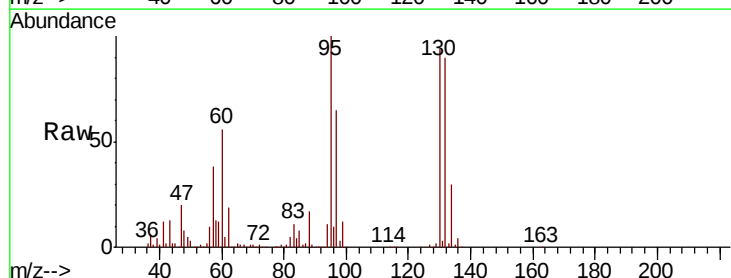
Ion Ratio Lower Upper

130 100

95 106.7 86.9 130.3

132 95.9 78.4 117.6

97 69.2 55.0 82.6

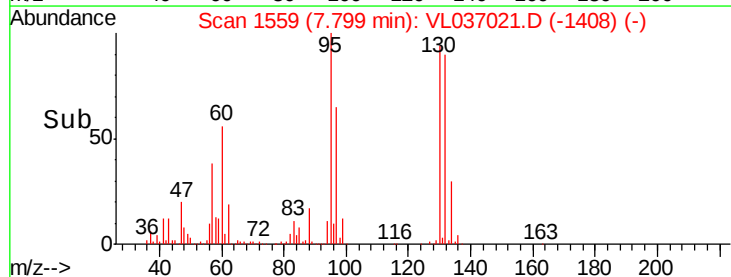
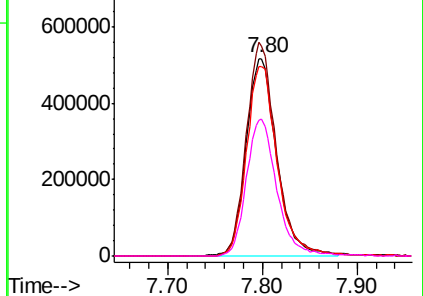


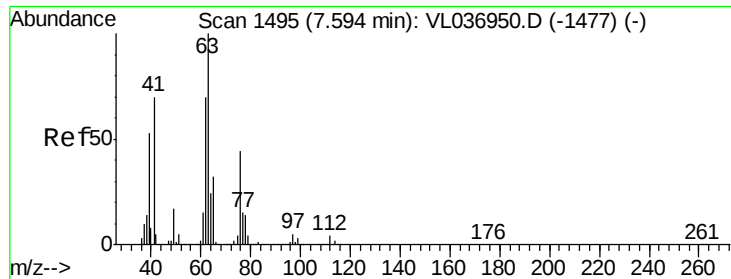
Abundance Ion 130.00 (129.70 to 130.70): V

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: 9.245 ppbv

RT: 7.57 min Scan# 1489

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

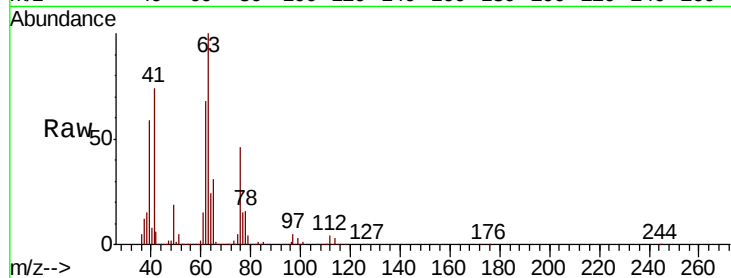
Tot Ion: 63 Resp: 1079742

Ion Ratio Lower Upper

63 100

41 74.2 55.7 83.5

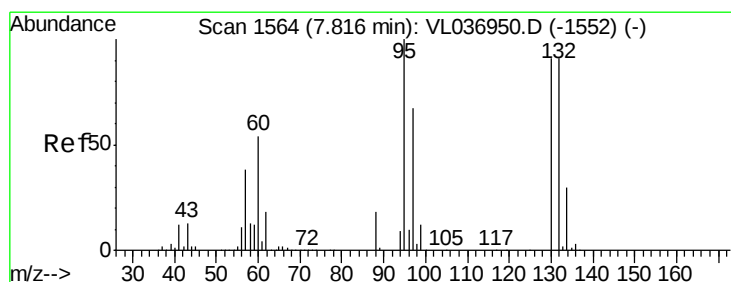
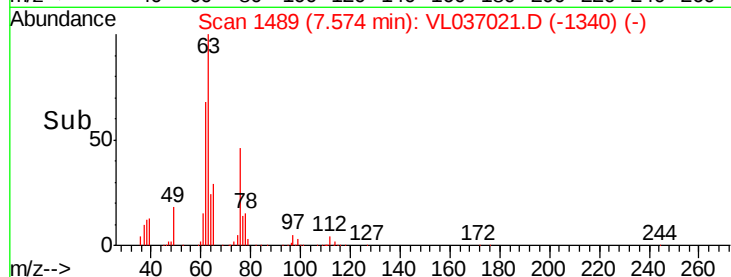
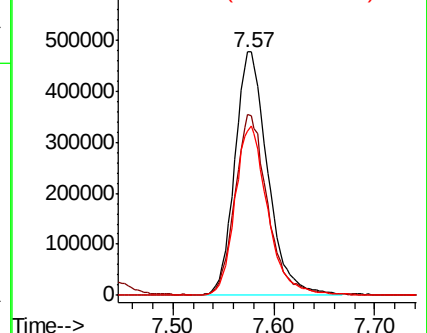
62 67.7 56.2 84.4



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: 8.605 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Tgt Ion: 88 Resp: 237278

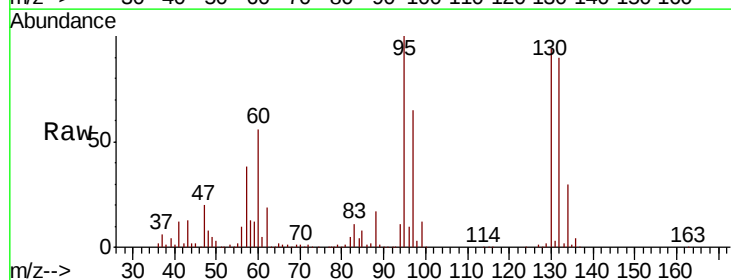
Ion Ratio Lower Upper

88 100

58 163.9 0.0 0.0#

43 433.7 0.0 0.0#

57 1955.4 0.0 0.0#

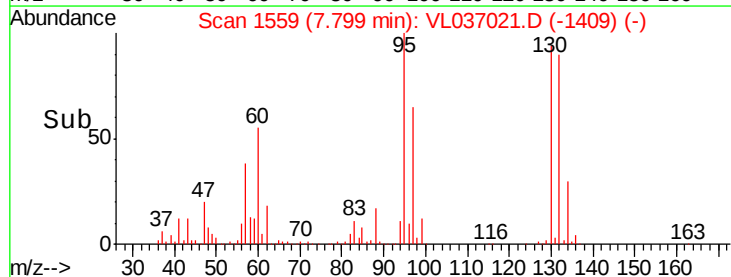
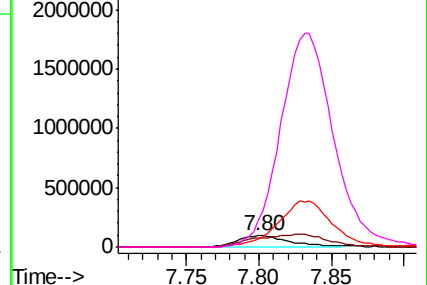


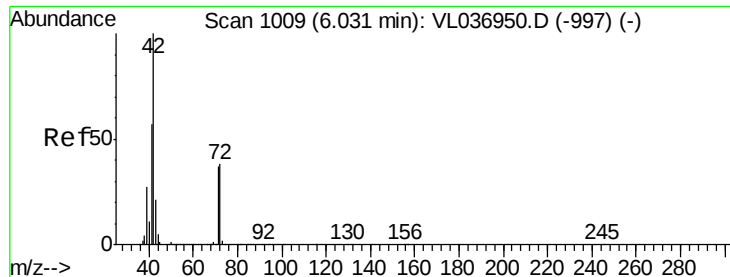
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.211 ppbv

RT: 6.02 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

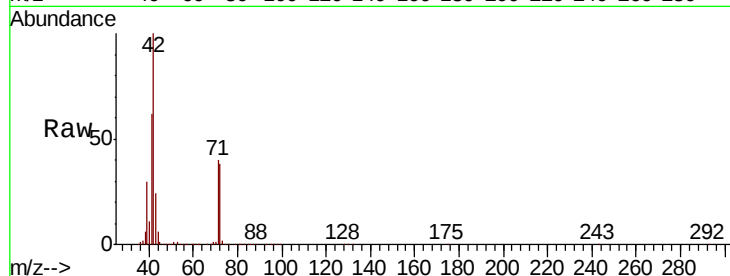
Tot Ion: 42 Resp: 672310

Ion Ratio Lower Upper

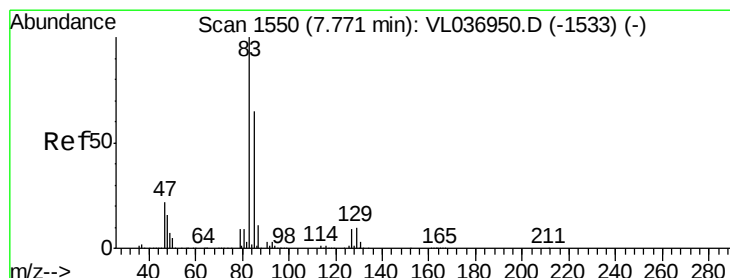
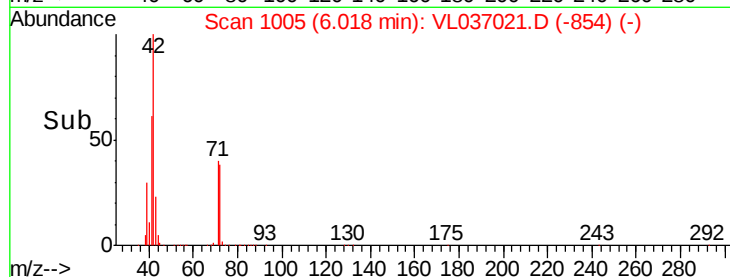
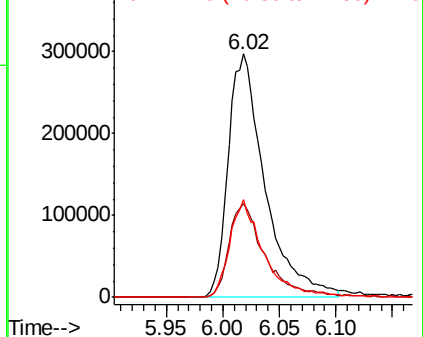
42 100

72 38.6 31.4 47.2

71 38.2 30.4 45.6



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.938 ppbv

RT: 7.75 min Scan# 1545

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

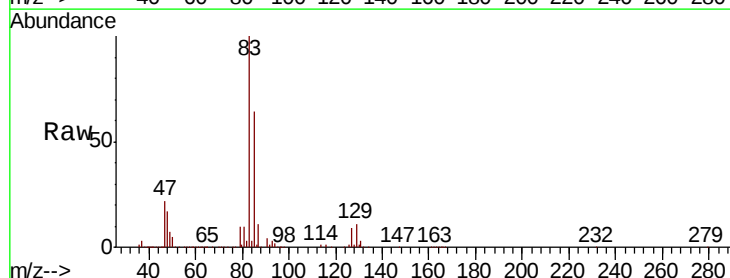
Tgt Ion: 83 Resp: 2259769

Ion Ratio Lower Upper

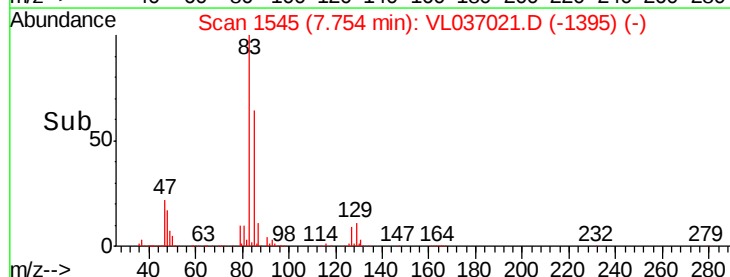
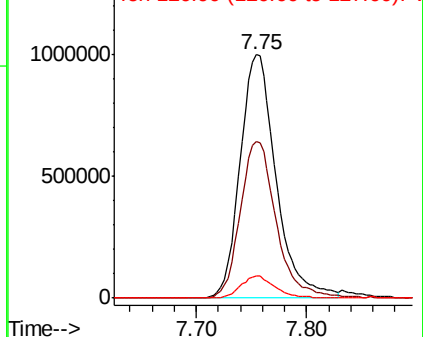
83 100

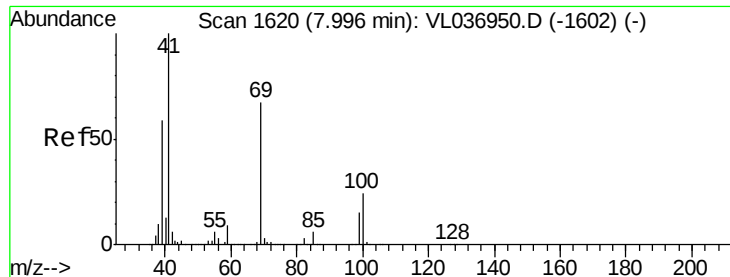
85 64.2 51.7 77.5

127 8.9 6.9 10.3



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

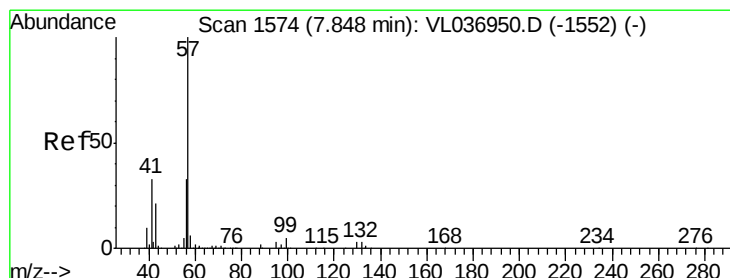
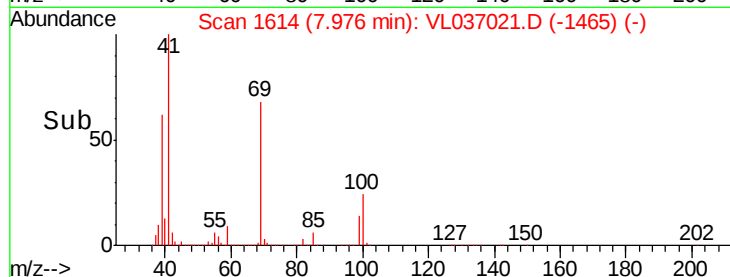
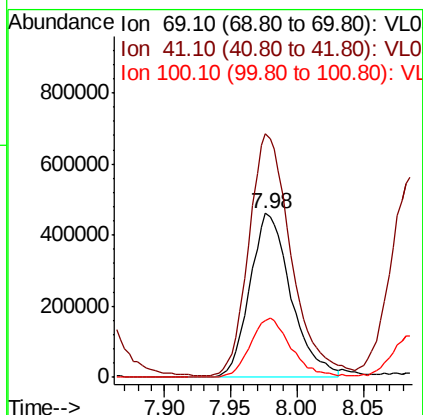
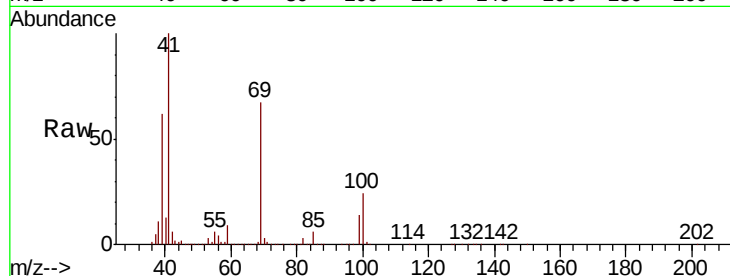




#43
Methvl Methacrylate
Concen: 9.541 ppbv
RT: 7.98 min Scan# 1614
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

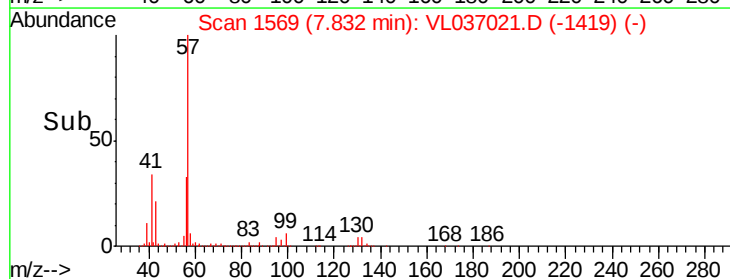
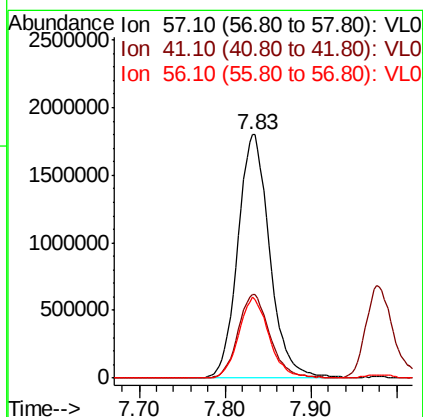
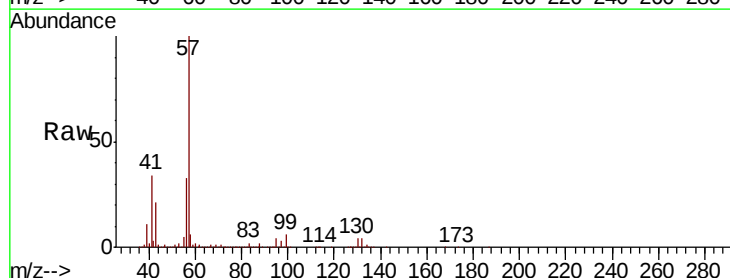
Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

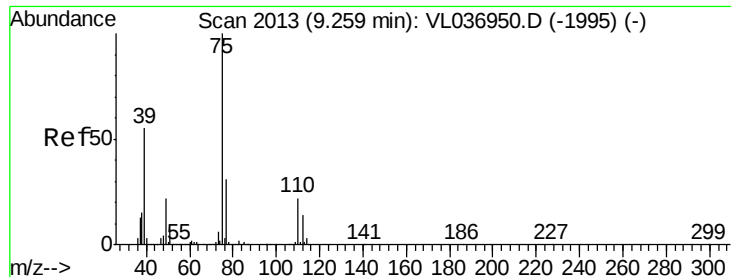
Tot Ion: 69 Resp: 996921
Ion Ratio Lower Upper
69 100
41 152.2 118.6 178.0
100 36.3 28.2 42.4



#44
2,2,4-Trimethylpentane
Concen: 8.909 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Tgt Ion: 57 Resp: 4634007
Ion Ratio Lower Upper
57 100
41 34.6 27.0 40.4
56 31.7 25.4 38.2





#45

t-1,3-Dichloropropene

Concen: 9.647 ppbv

RT: 9.24 min Scan# 2007

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

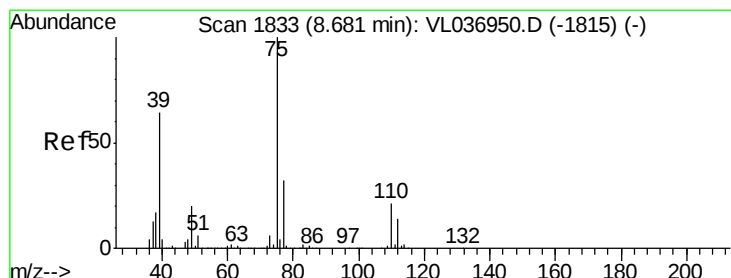
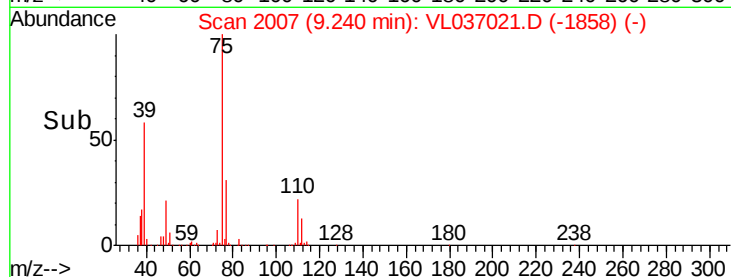
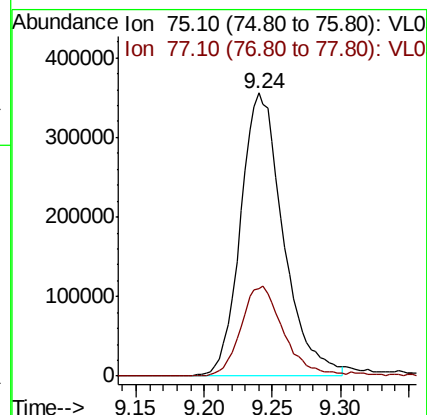
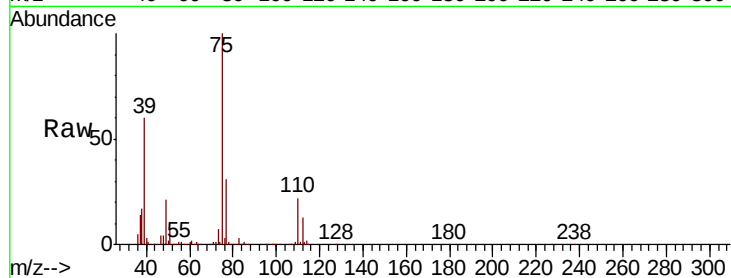
VL0520ABS01

Tot Ion: 75 Resp: 770126

Ion Ratio Lower Upper

75 100

77 30.7 24.4 36.6



#46

cis-1,3-Dichloropropene

Concen: 9.497 ppbv

RT: 8.67 min Scan# 1829

Delta R.T. -0.01 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

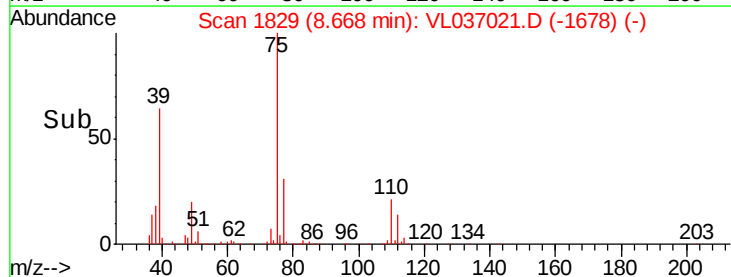
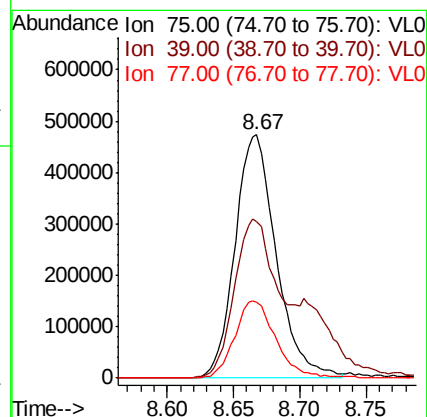
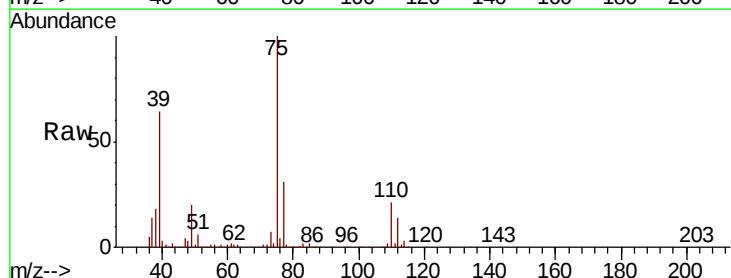
Tgt Ion: 75 Resp: 1019717

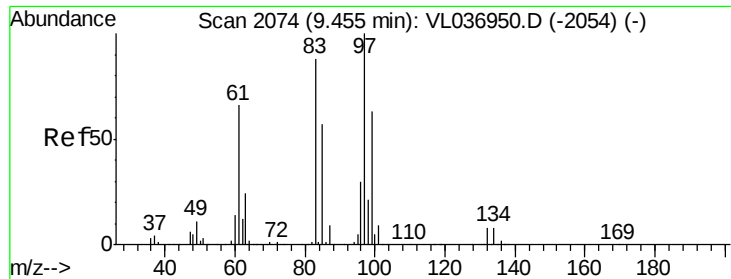
Ion Ratio Lower Upper

75 100

39 64.2 51.5 77.3

77 31.2 25.9 38.9



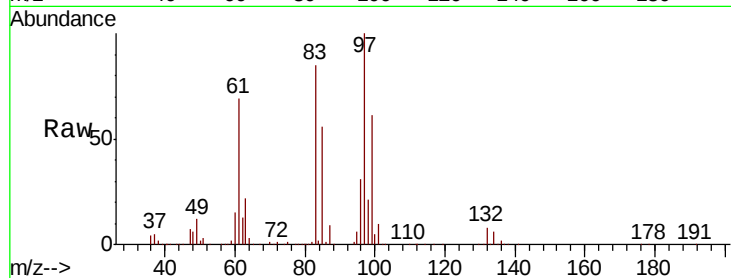


#47
 1,1,2-Trichloroethane
 Concen: 9.579 ppbv
 RT: 9.44 min Scan# 2069
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0520ABS01

Tot Ion: 97 Resp: 1170844

Ion	Ratio	Lower	Upper
97	100		
83	85.1	70.4	105.6
85	56.1	45.5	68.3
99	60.8	50.2	75.2



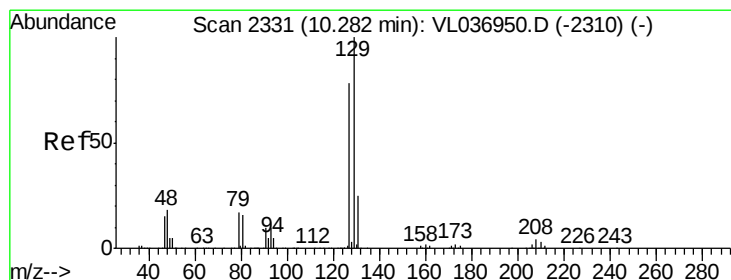
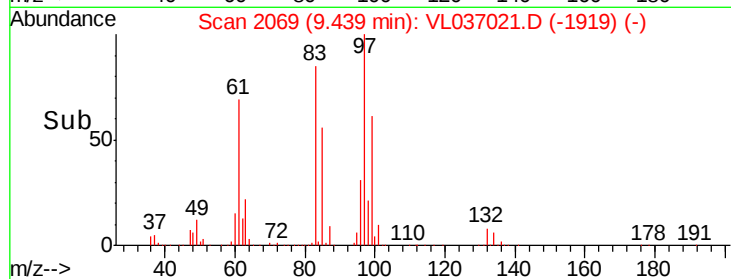
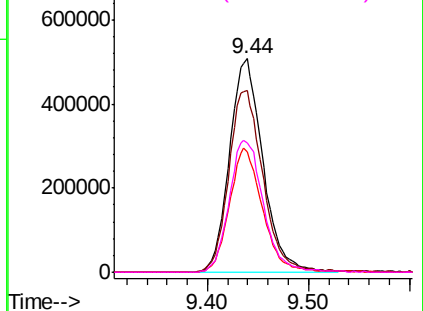
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

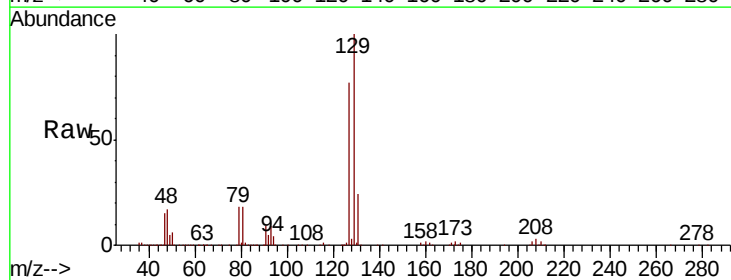
Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 10.240 ppbv
 RT: 10.27 min Scan# 2326
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Tgt Ion: 129 Resp: 2026775

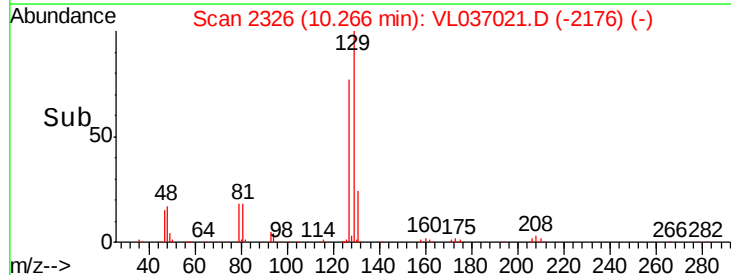
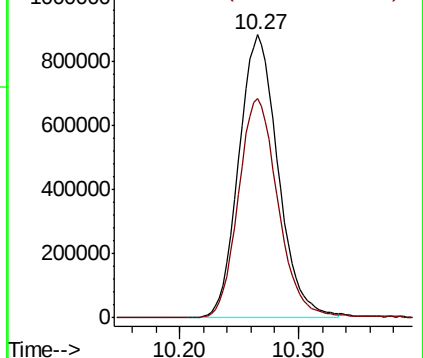
Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.3	117.8

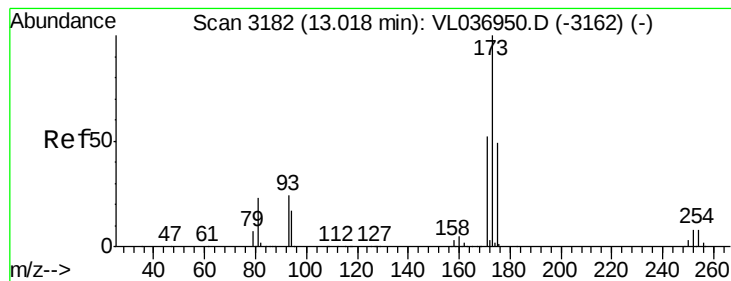


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.471 ppbv

RT: 13.00 min Scan# 3177

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

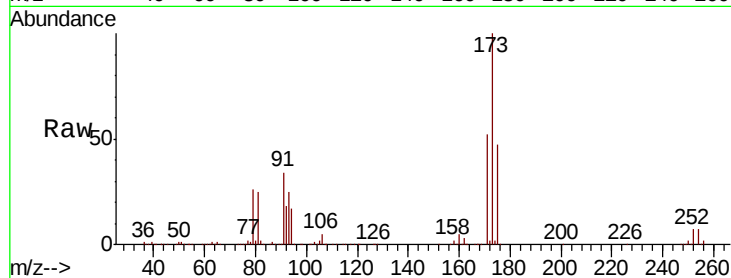
Tot Ion:173 Resp: 1711461

Ion Ratio Lower Upper

173 100

175 49.3 40.4 60.6

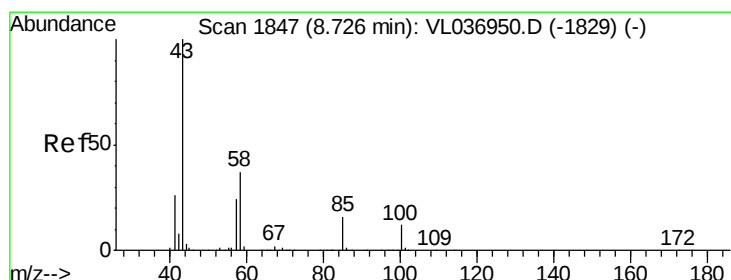
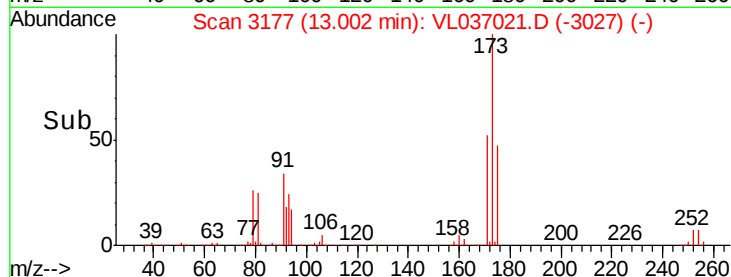
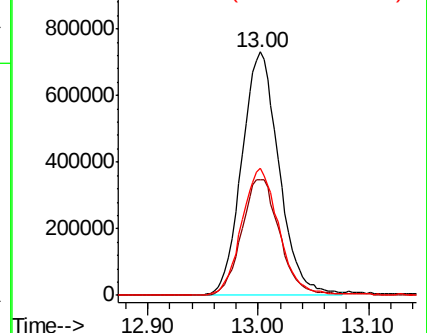
171 53.1 42.6 64.0



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: 9.511 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. -0.02 min

Lab File: VL037021.D

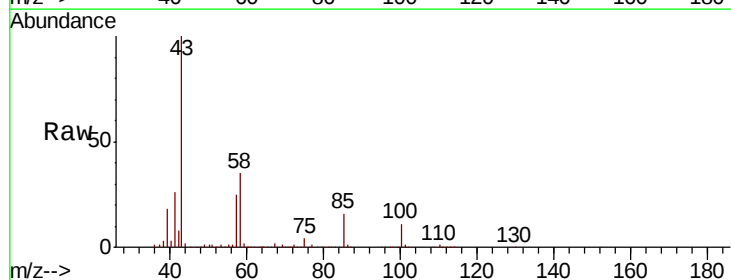
Acq: 20 May 2021 12:28

Tgt Ion: 43 Resp: 2011400

Ion Ratio Lower Upper

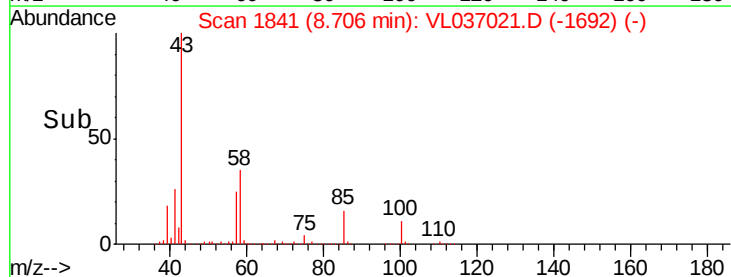
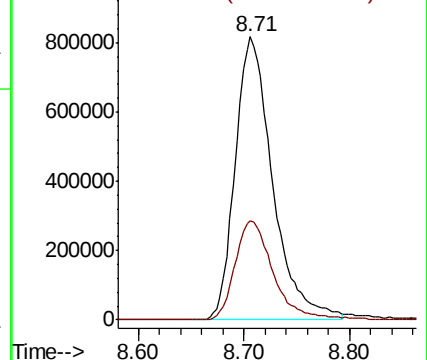
43 100

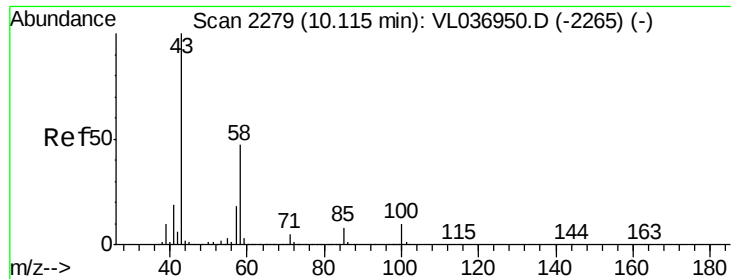
58 36.2 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

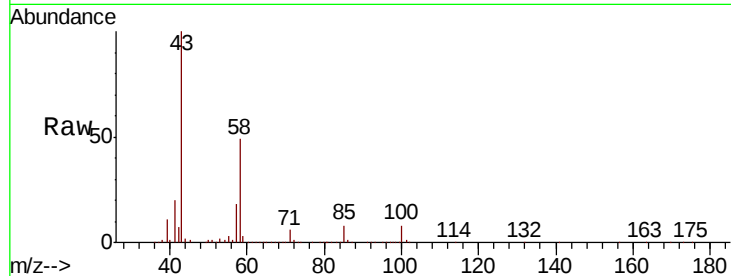




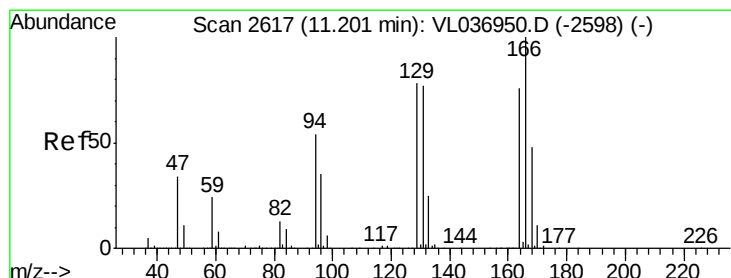
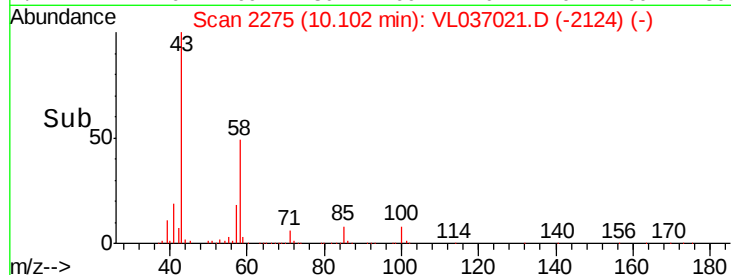
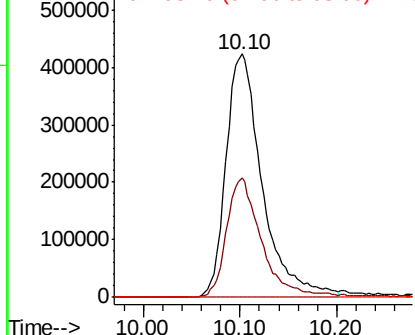
#51
2-Hexanone
Concen: 9.800 ppbv
RT: 10.10 min Scan# 2275
Delta R.T. -0.01 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tot Ion: 43 Resp: 1095713
Ion Ratio Lower Upper
43 100
58 49.0 41.1 61.7
98 0.1 0.1 0.1

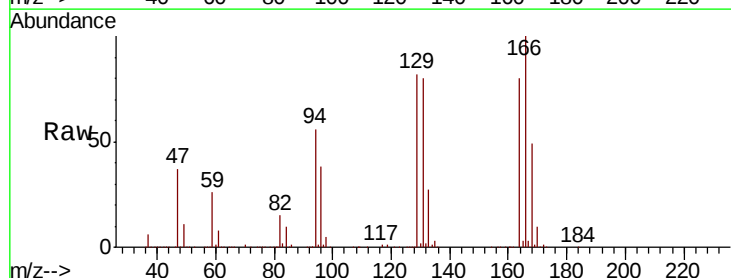


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

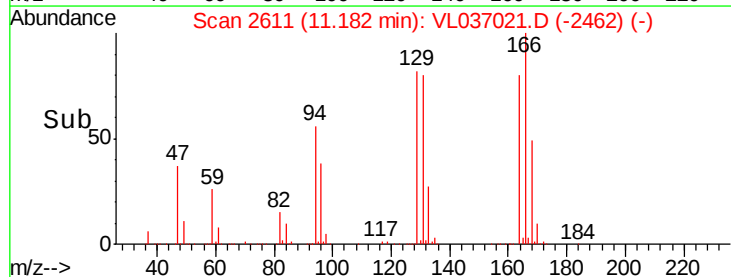
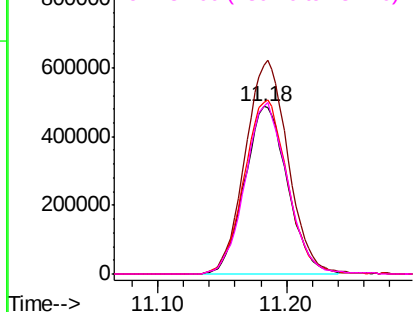


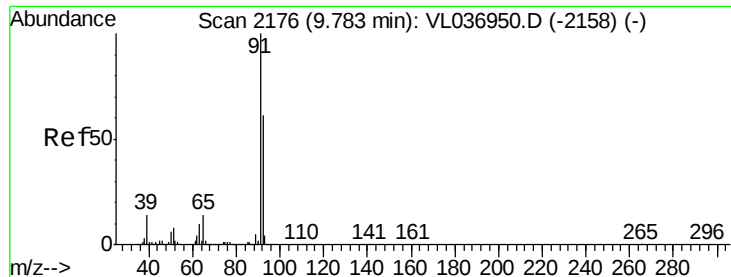
#52
Tetrachloroethene
Concen: 9.357 ppbv
RT: 11.18 min Scan# 2611
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Tgt Ion: 164 Resp: 1127997
Ion Ratio Lower Upper
164 100
166 124.6 105.5 158.3
129 102.7 81.8 122.8
131 100.0 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: 9.267 ppbv

RT: 9.77 min Scan# 2171

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

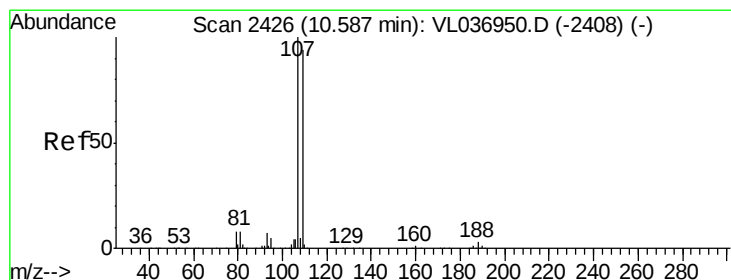
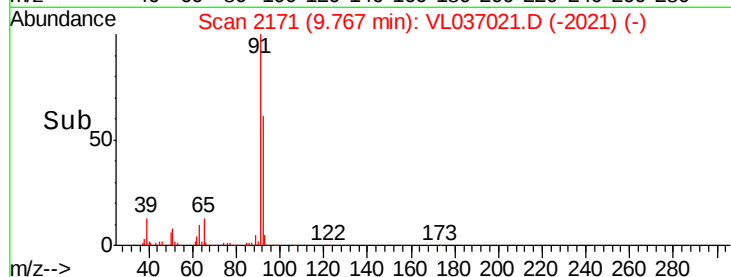
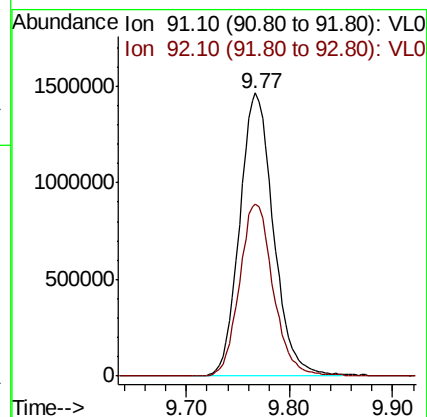
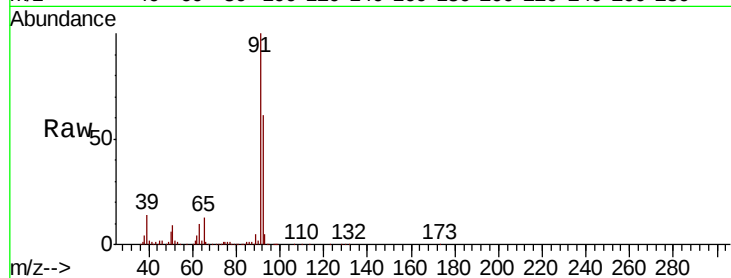
VL0520ABS01

Tot Ion: 91 Resp: 3342903

Ion Ratio Lower Upper

91 100

92 60.9 49.5 74.3



#54

1,2-Dibromoethane

Concen: 9.968 ppbv

RT: 10.57 min Scan# 2421

Delta R.T. -0.02 min

Lab File: VL037021.D

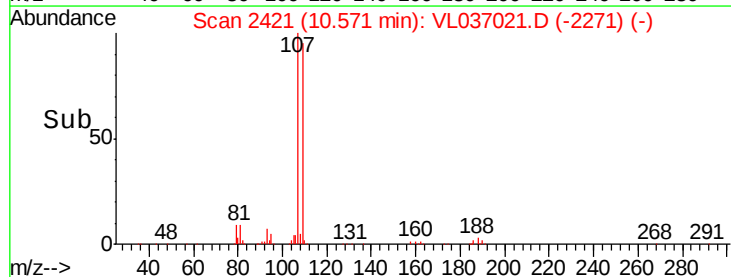
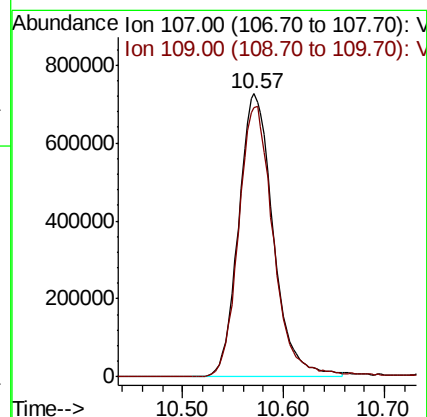
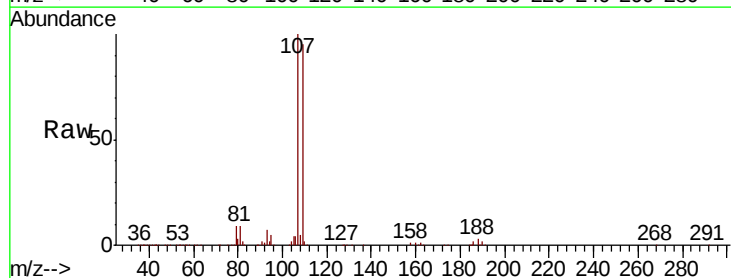
Acq: 20 May 2021 12:28

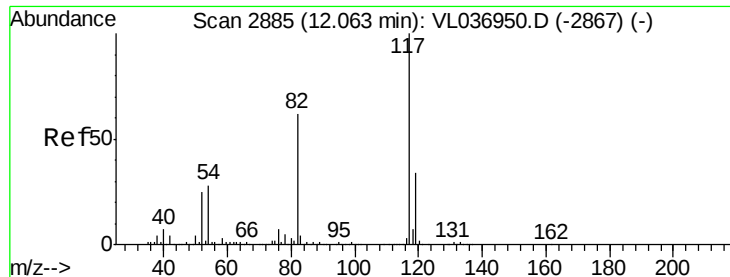
Tgt Ion: 107 Resp: 1732218

Ion Ratio Lower Upper

107 100

109 95.1 75.0 112.4

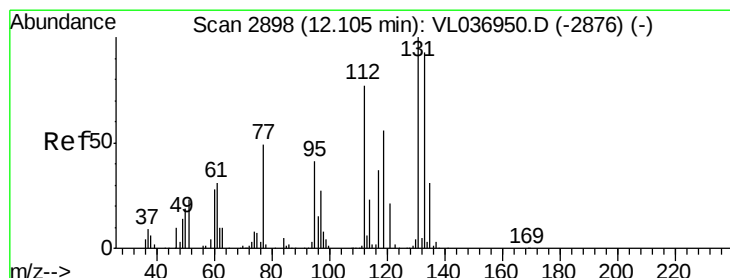
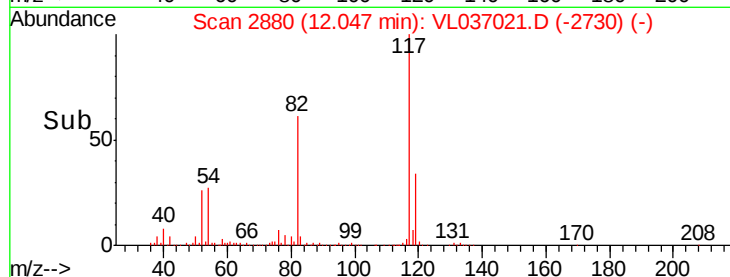
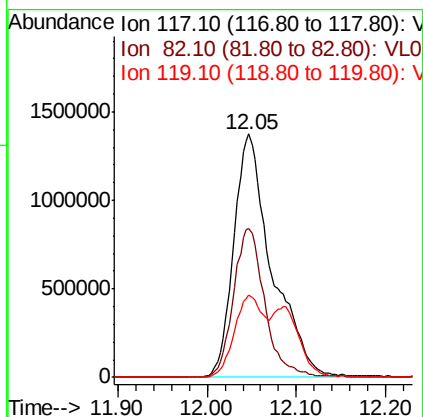
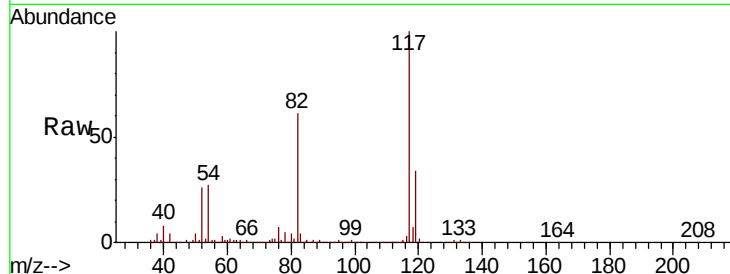




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2880
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

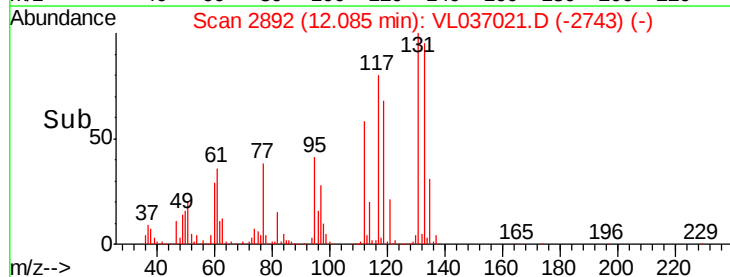
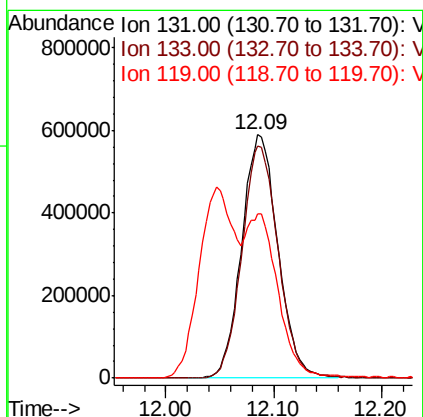
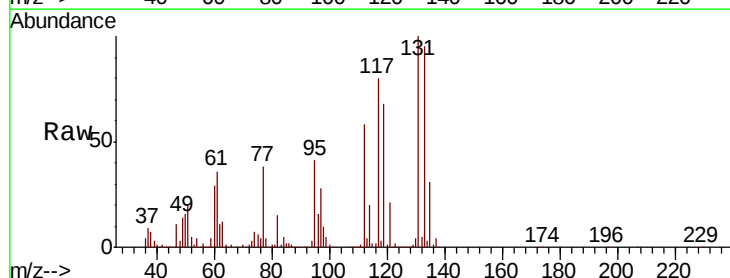
Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

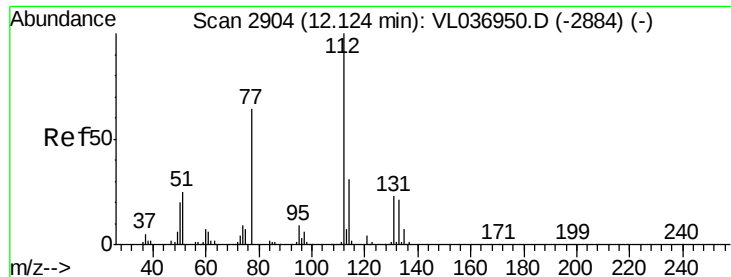
Tot Ion:117 Resp: 4069295
Ion Ratio Lower Upper
117 100
82 50.9 52.6 79.0#
119 25.1 46.6 70.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.049 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Tgt Ion:131 Resp: 1378179
Ion Ratio Lower Upper
131 100
133 96.1 76.9 115.3
119 139.5 120.2 180.4

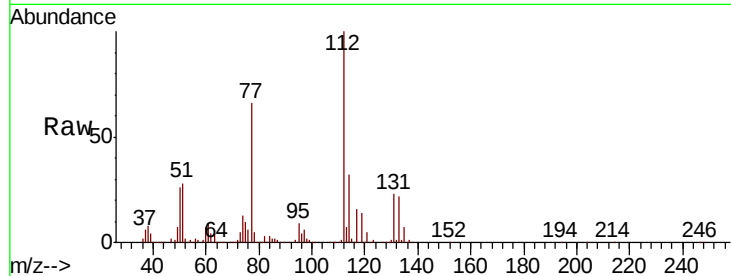




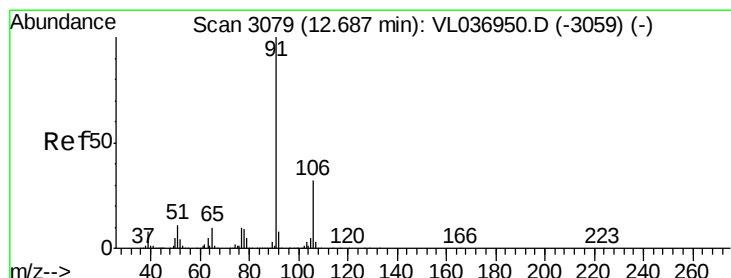
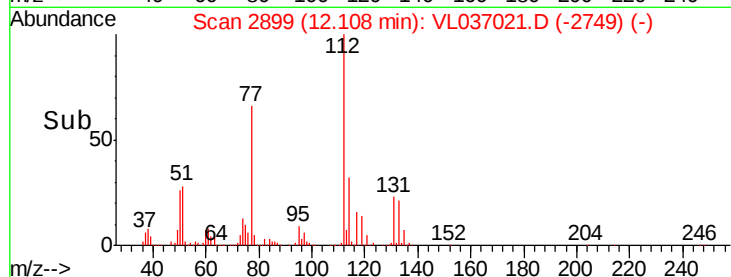
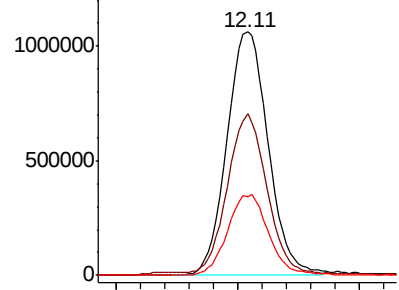
#57
Chlorobenzene
Concen: 7.867 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

Tot Ion:112 Resp: 2482347
Ion Ratio Lower Upper
112 100
77 65.4 51.0 76.6
114 32.3 28.3 34.5

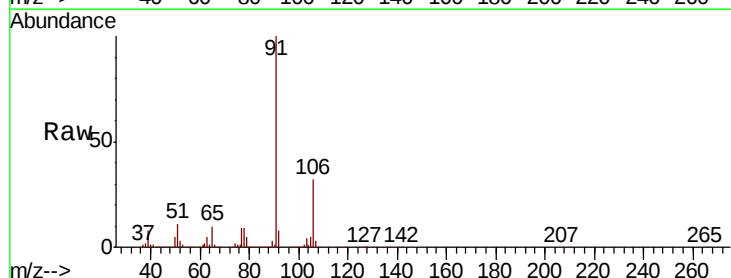


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

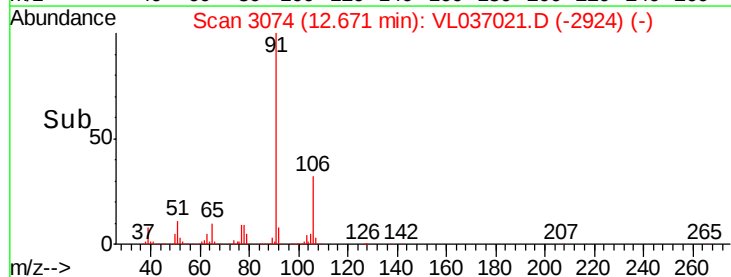
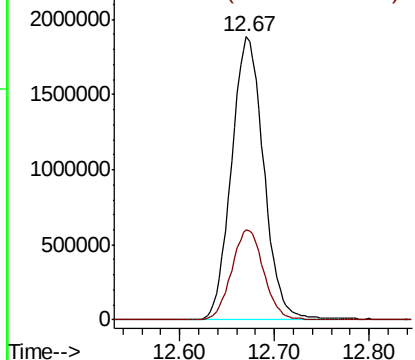


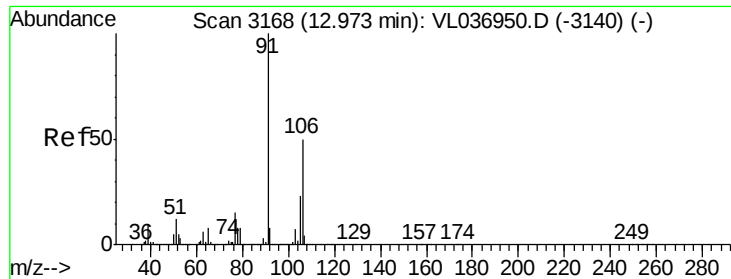
#58
Ethyl Benzene
Concen: 7.782 ppbv
RT: 12.67 min Scan# 3074
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Tgt Ion: 91 Resp: 4469305
Ion Ratio Lower Upper
91 100
106 31.9 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

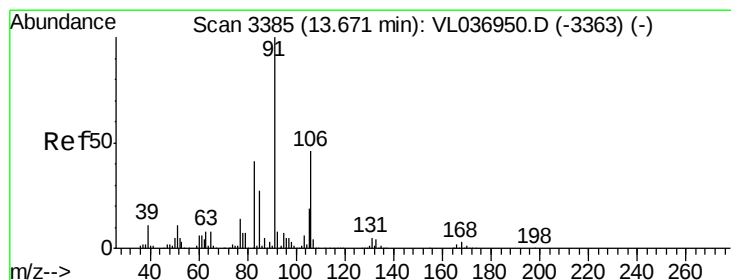
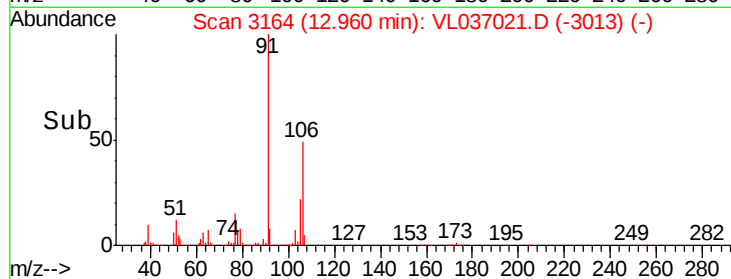
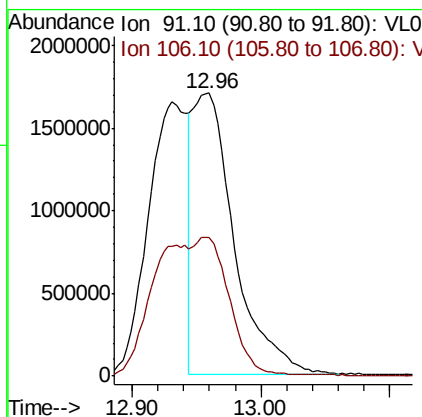
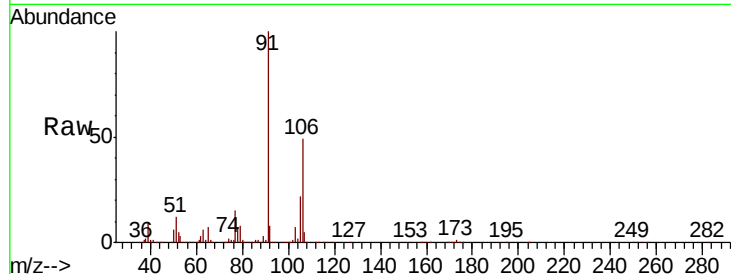




#59
m/p-Xylene
Concen: 7.989 ppbv
RT: 12.96 min Scan# 3164
Delta R.T. -0.01 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

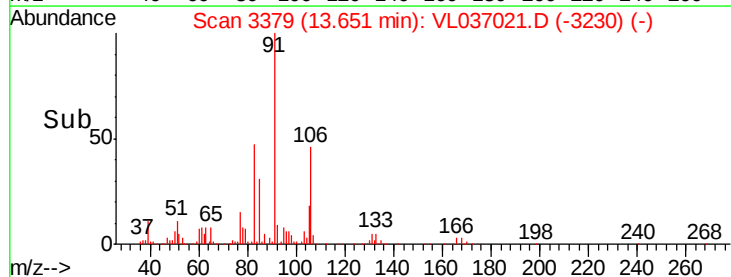
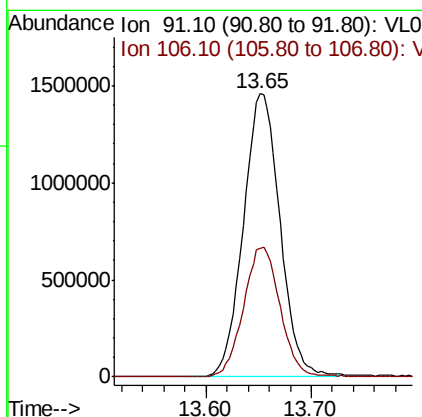
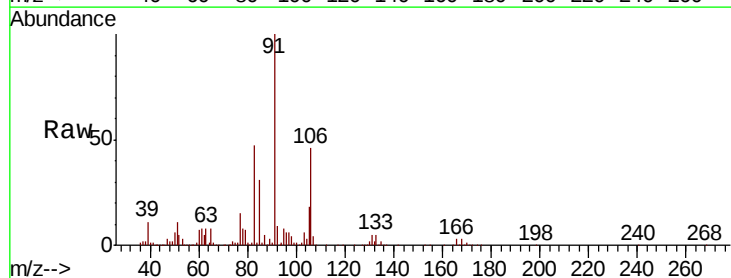
Instrument :
MSVOA_L
ClientSampleId :
VL0520ABS01

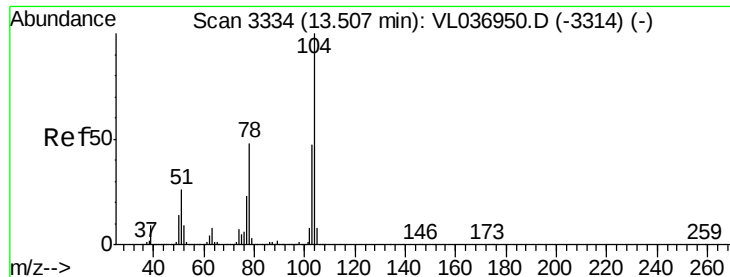
Tot Ion: 91 Resp: 3792889
Ion Ratio Lower Upper
91 100
106 89.7 37.4 56.2#



#60
o-Xylene
Concen: 7.774 ppbv
RT: 13.65 min Scan# 3379
Delta R.T. -0.02 min
Lab File: VL037021.D
Acq: 20 May 2021 12:28

Tgt Ion: 91 Resp: 3519854
Ion Ratio Lower Upper
91 100
106 45.9 23.4 70.3





#61

Stvrene

Concen: 8.153 ppbv

RT: 13.49 min Scan# 3329

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

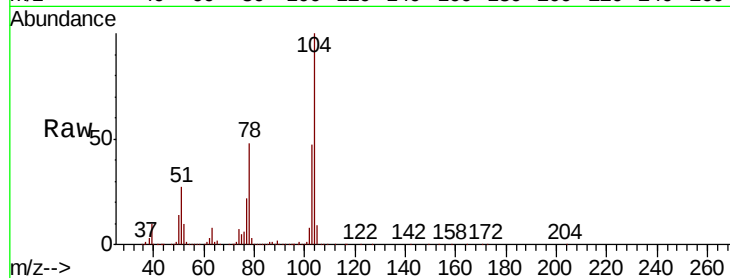
Tot Ion:104 Resp: 2079715

Ion Ratio Lower Upper

104 100

78 50.1 39.0 58.6

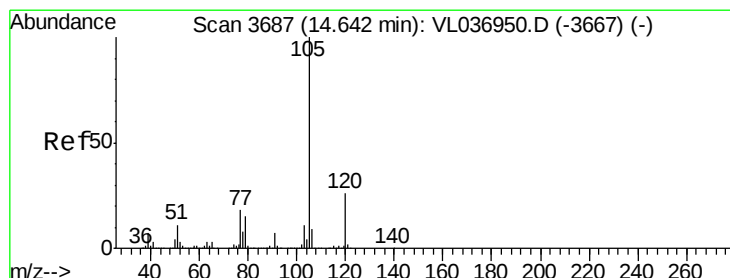
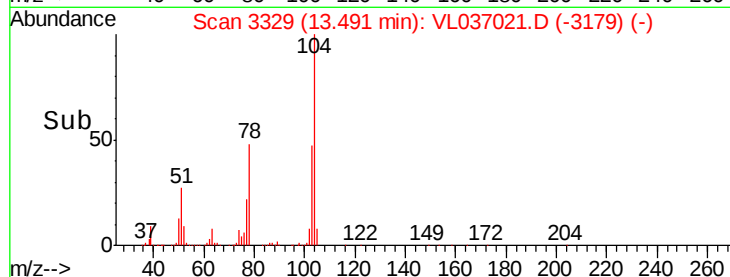
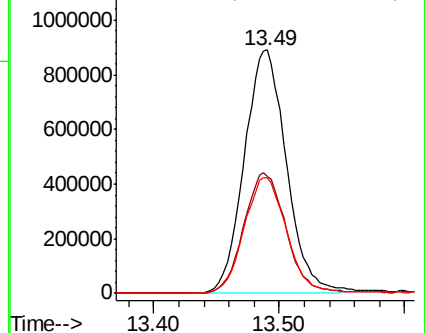
103 48.4 38.0 57.0



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: 7.654 ppbv

RT: 14.63 min Scan# 3683

Delta R.T. -0.01 min

Lab File: VL037021.D

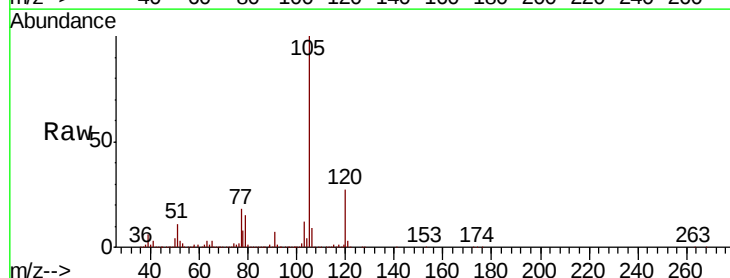
Acq: 20 May 2021 12:28

Tgt Ion:105 Resp: 4980681

Ion Ratio Lower Upper

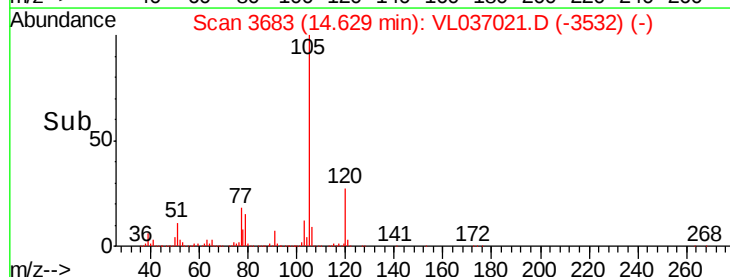
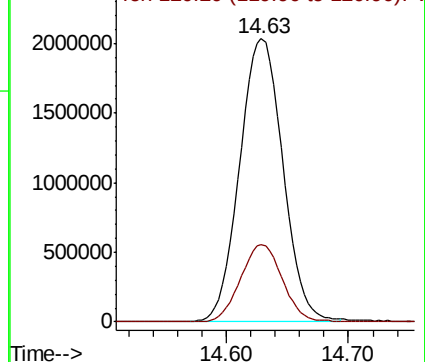
105 100

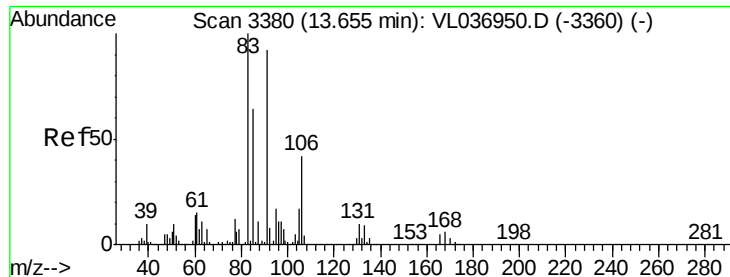
120 26.9 21.7 32.5



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: 7.098 ppbv

RT: 13.64 min Scan# 3375

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

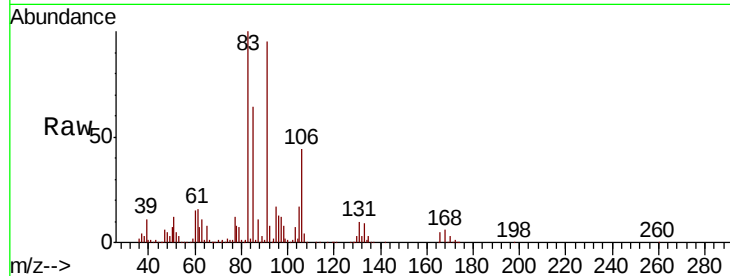
Tot Ion: 83 Resp: 2400104

Ion Ratio Lower Upper

83 100

131 10.5 5.0 15.0

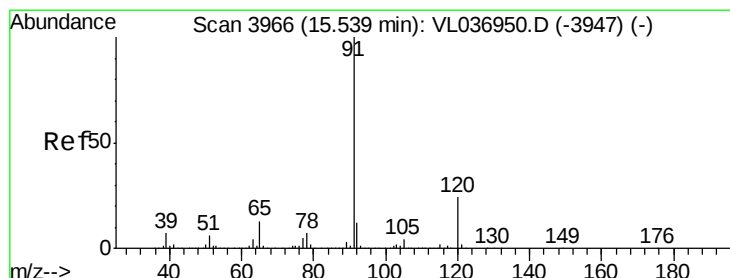
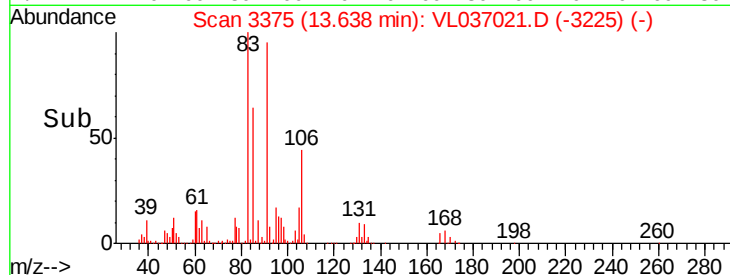
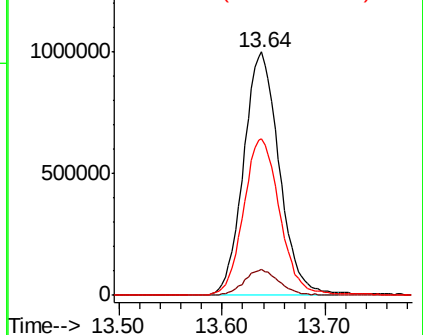
85 66.1 32.9 98.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.089 ppbv

RT: 15.52 min Scan# 3961

Delta R.T. -0.02 min

Lab File: VL037021.D

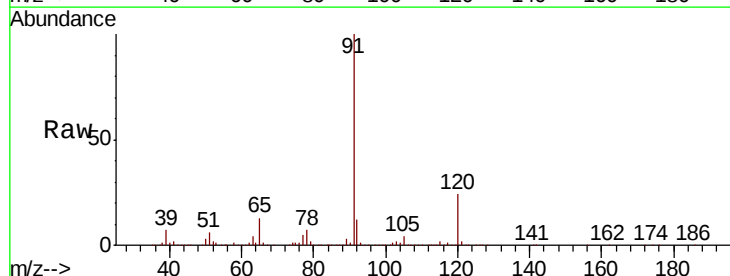
Acq: 20 May 2021 12:28

Tgt Ion:120 Resp: 1358077

Ion Ratio Lower Upper

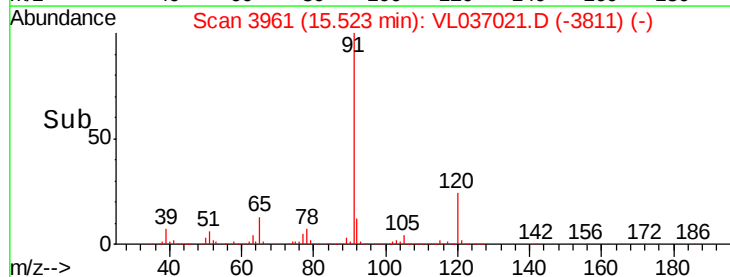
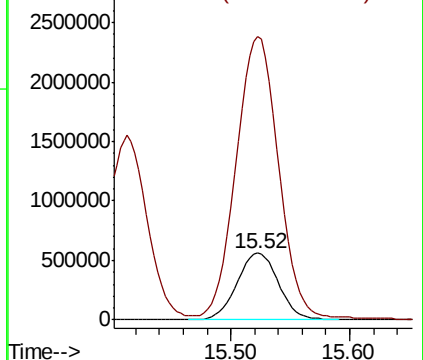
120 100

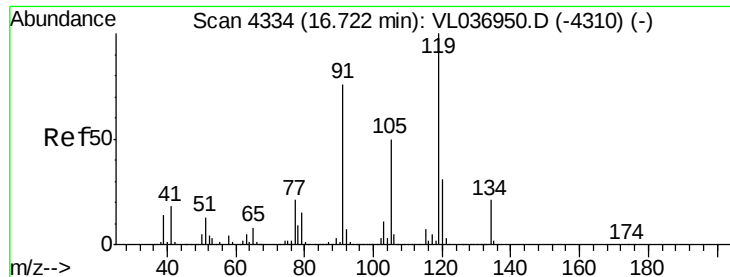
91 435.8 343.8 515.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.751 ppbv

RT: 16.71 min Scan# 4329

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleID :

VL0520ABS01

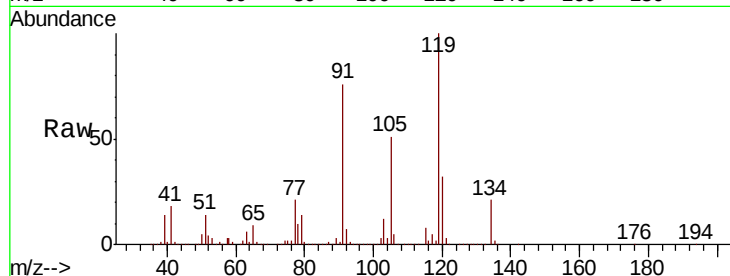
Tot Ion:119 Resp: 4551307

Ion Ratio Lower Upper

119 100

91 78.3 61.9 92.9

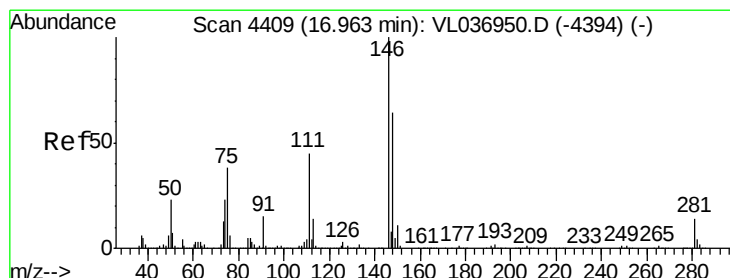
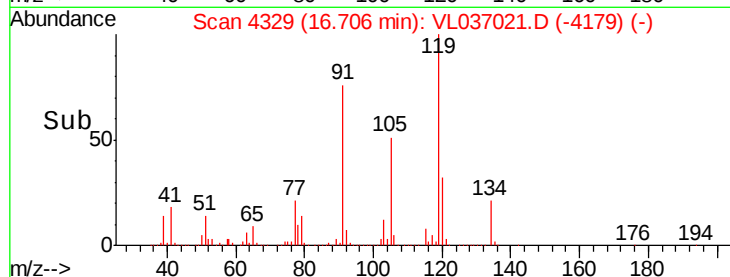
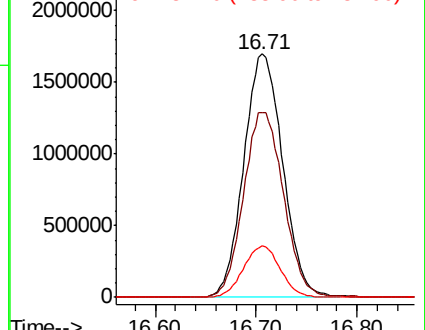
134 20.1 16.2 24.4



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: 5.176 ppbv

RT: 16.95 min Scan# 4405

Delta R.T. -0.01 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

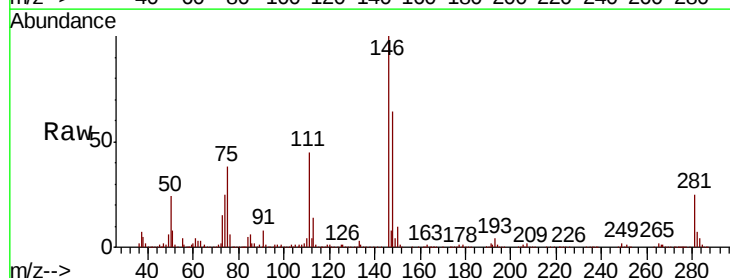
Tgt Ion: 91 Resp: 168616

Ion Ratio Lower Upper

91 100

126 21.0 16.5 24.7

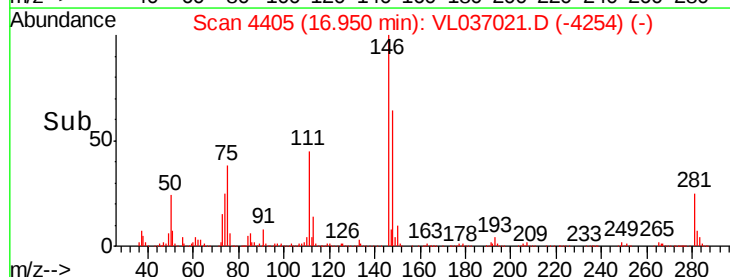
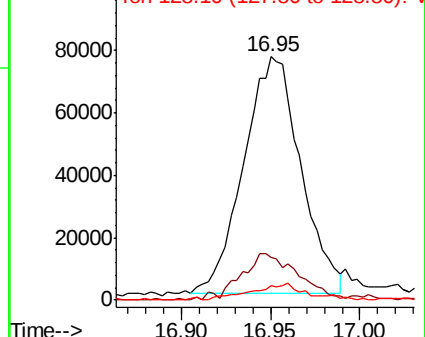
128 7.4 5.5 8.3

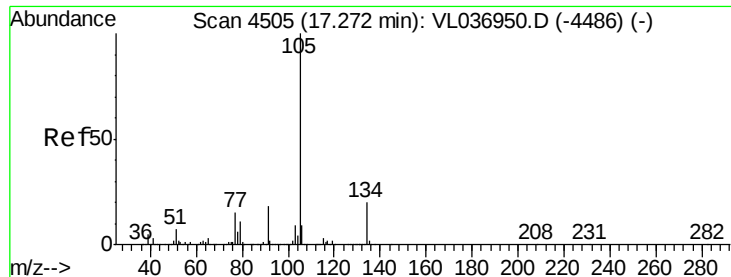


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.729 ppbv

RT: 17.26 min Scan# 4500

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleID :

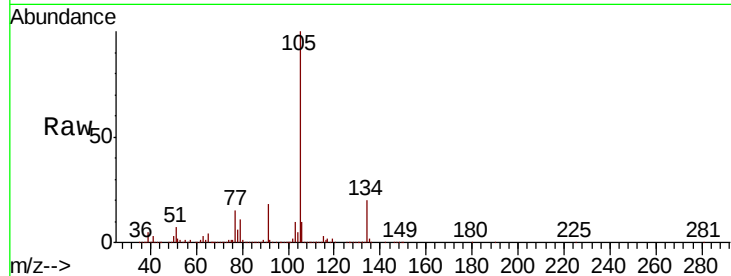
VL0520ABS01

Tot Ion:105 Resp: 6191277

Ion Ratio Lower Upper

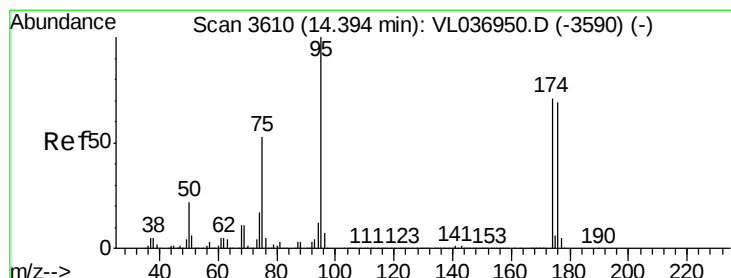
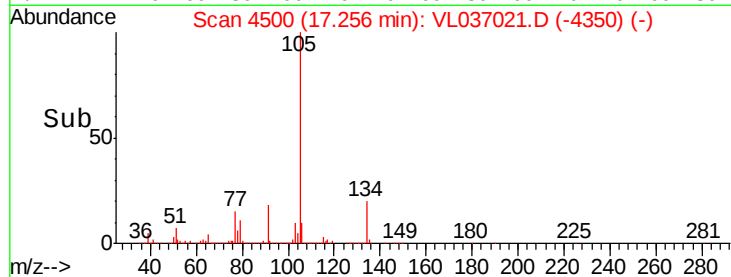
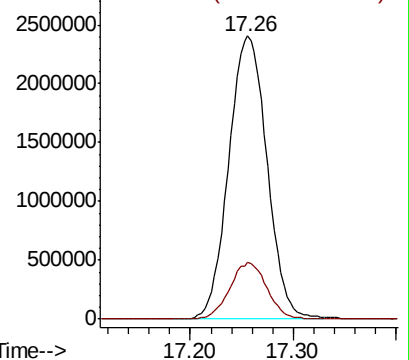
105 100

134 19.5 15.6 23.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.163 ppbv

RT: 14.37 min Scan# 3604

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

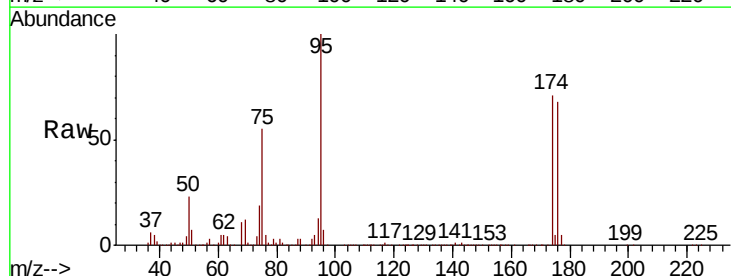
Tgt Ion: 95 Resp: 2495312

Ion Ratio Lower Upper

95 100

174 71.3 58.4 87.6

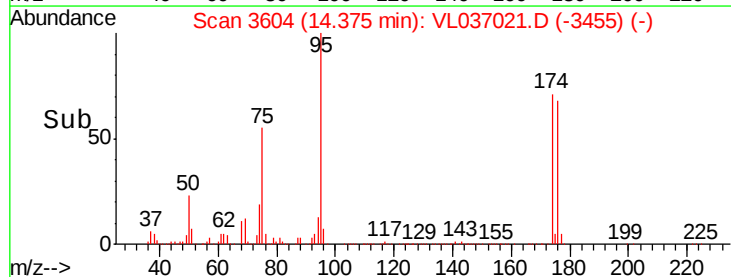
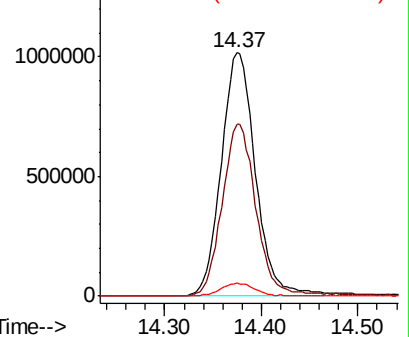
175 5.3 4.4 6.6

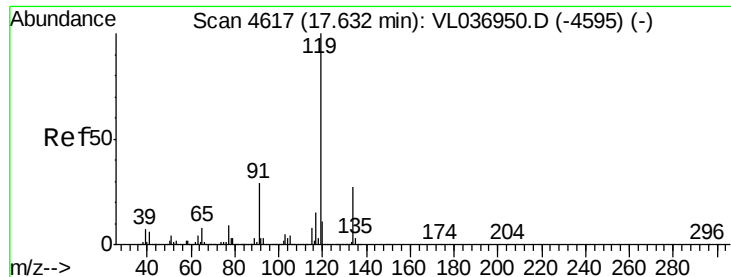


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 7.931 ppbv

RT: 17.62 min Scan# 4612

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

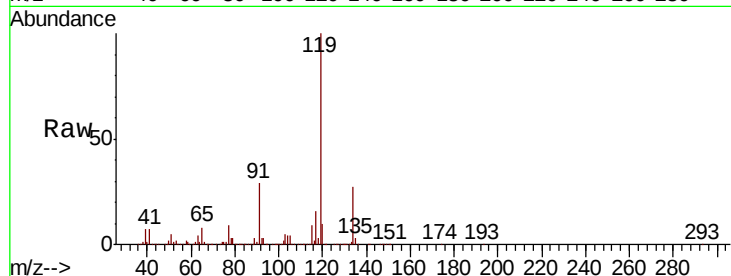
MSVOA_L

ClientSampleId :

VL0520ABS01

Tot Ion:119 Resp: 5461996

Ion	Ratio	Lower	Upper
119	100		
134	26.0	21.2	31.8
91	28.2	22.2	33.4

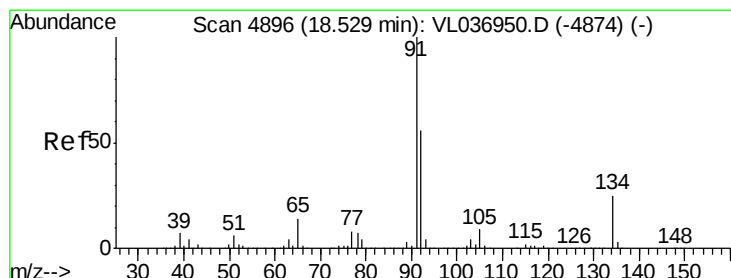
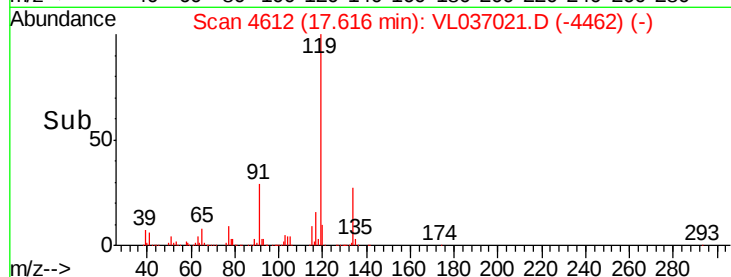
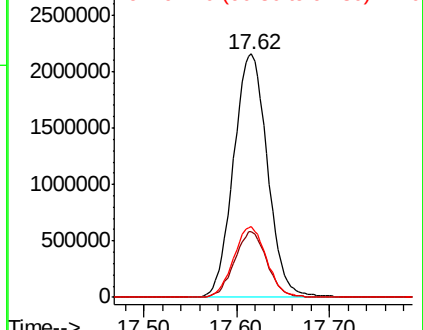


Abundance

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: 8.097 ppbv

RT: 18.51 min Scan# 4891

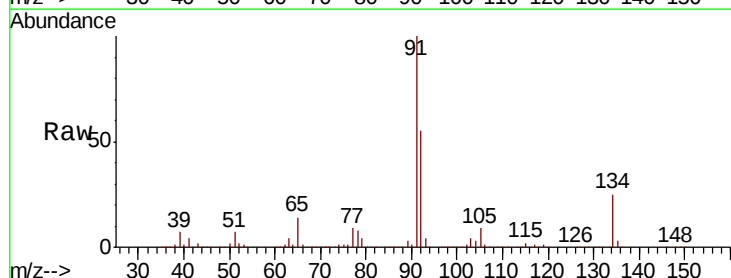
Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Tgt Ion: 91 Resp: 5297808

Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.6	66.8
134	25.1	20.2	30.2

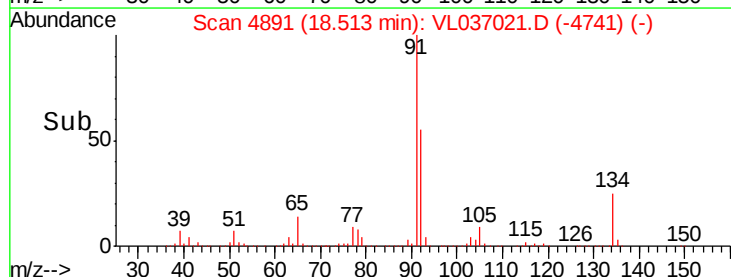
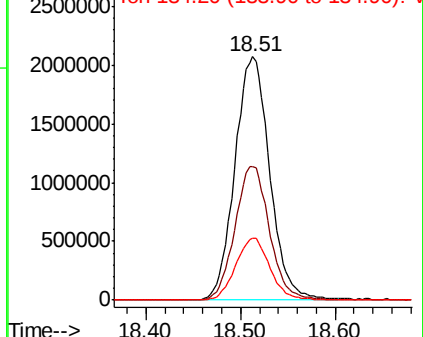


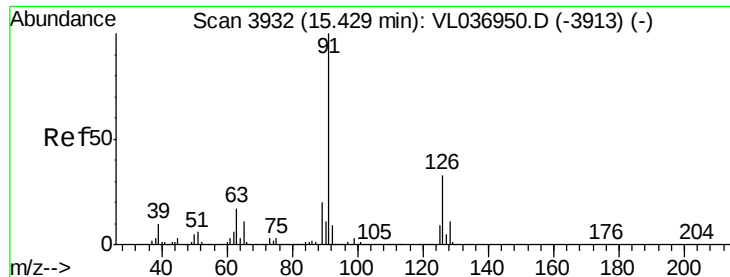
Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

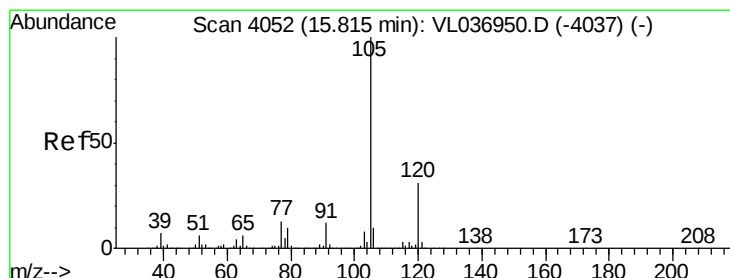
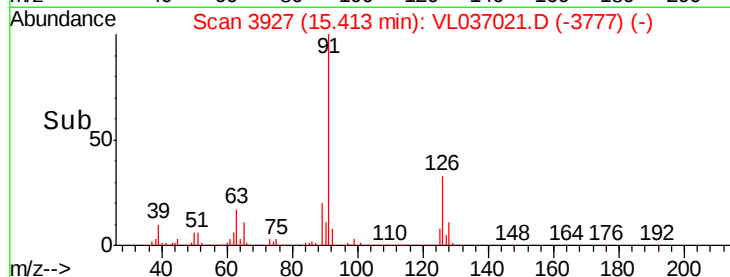
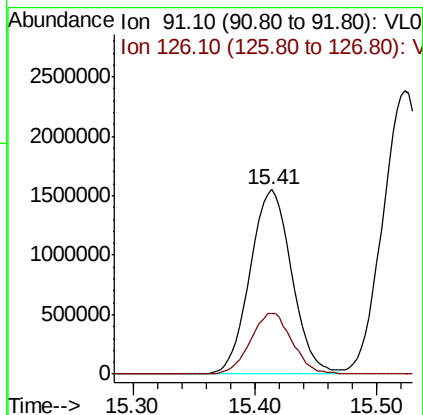
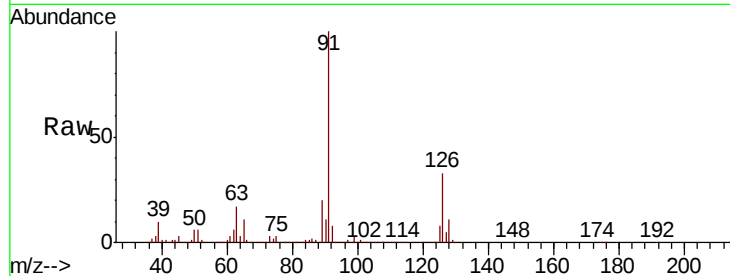




#71
 2-Chlorotoluene
 Concen: 7.828 ppbv
 RT: 15.41 min Scan# 3927
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

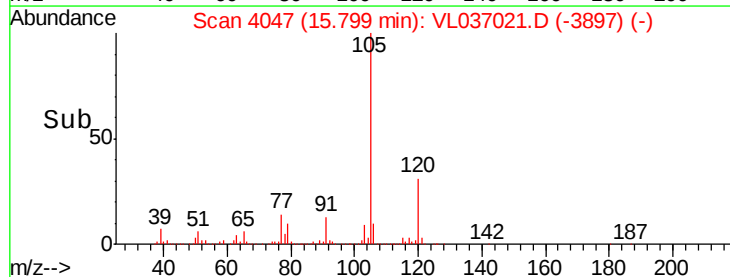
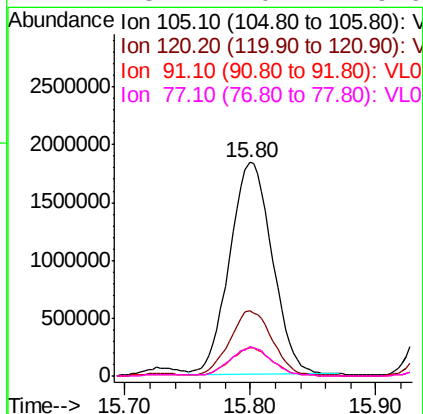
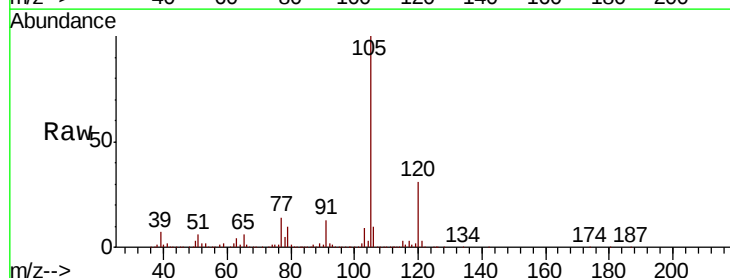
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0520ABS01

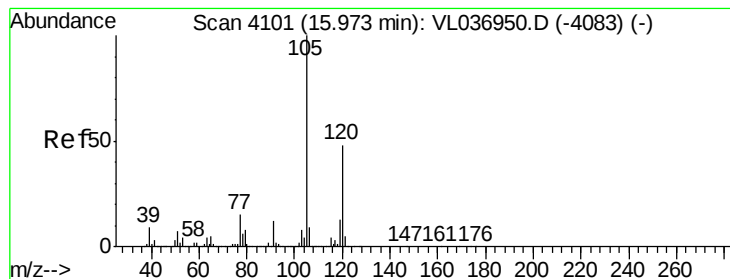
Tot Ion: 91 Resp: 3679109
 Ion Ratio Lower Upper
 91 100
 126 33.2 13.1 52.5



#72
 4-Ethyltoluene
 Concen: 8.093 ppbv
 RT: 15.80 min Scan# 4047
 Delta R.T. -0.02 min
 Lab File: VL037021.D
 Acq: 20 May 2021 12:28

Tgt Ion: 105 Resp: 4348900
 Ion Ratio Lower Upper
 105 100
 120 31.0 24.6 37.0
 91 13.9 9.8 14.6
 77 13.4 10.4 15.6





#73

1,3,5-Trimethylbenzene

Concen: 7.920 ppbv

RT: 15.96 min Scan# 4096

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

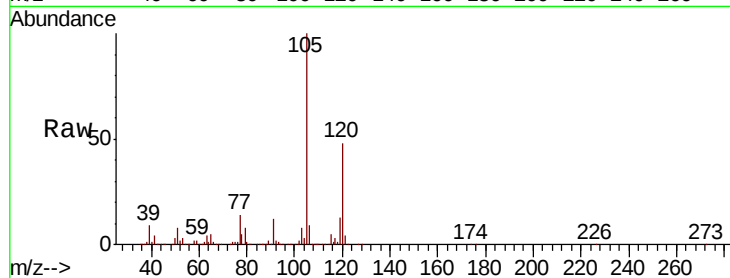
VL0520ABS01

Tot Ion:105 Resp: 3997025

Ion Ratio Lower Upper

105 100

120 47.6 38.6 58.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

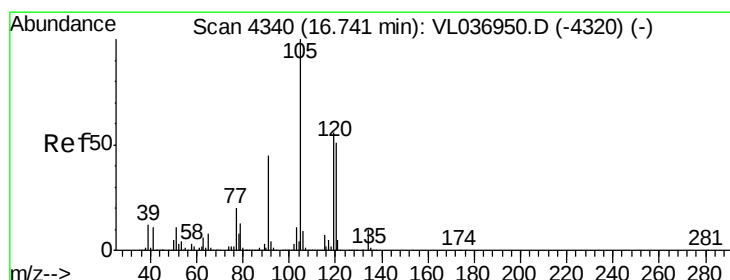
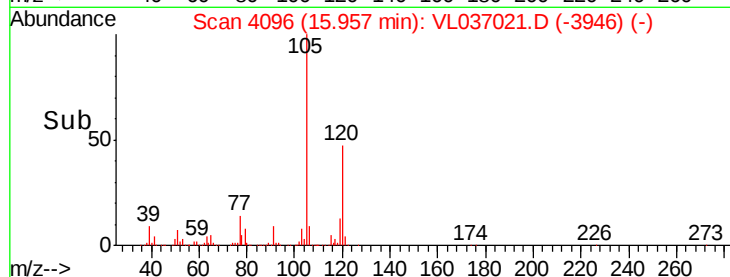
500000

0

15.90

16.00

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.005 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Tgt Ion:105 Resp: 4177076

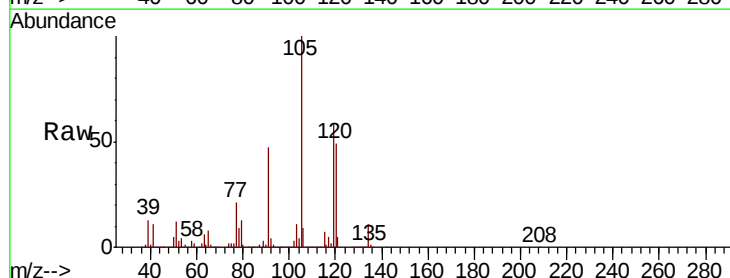
Ion Ratio Lower Upper

105 100

120 48.8 40.6 61.0

91 46.4 37.4 56.0

77 21.1 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

2500000

2000000

1500000

1000000

500000

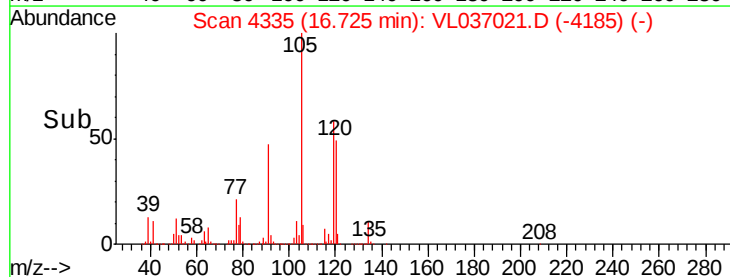
0

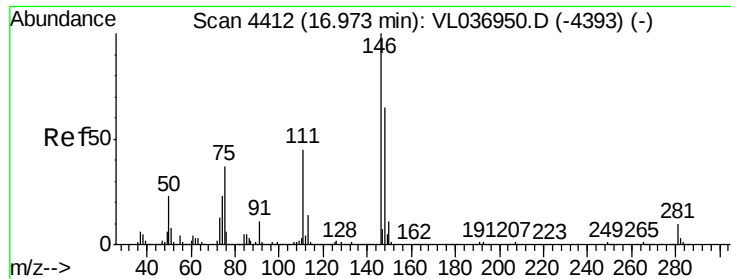
16.60

16.70

16.80

Time-->





#75

1,3-Dichlorobenzene

Concen: 8.050 ppbv

RT: 16.95 min Scan# 4406

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

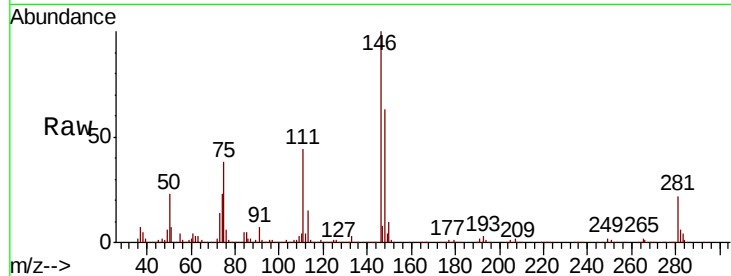
Tot Ion:146 Resp: 2564864

Ion Ratio Lower Upper

146 100

111 44.3 22.2 66.6

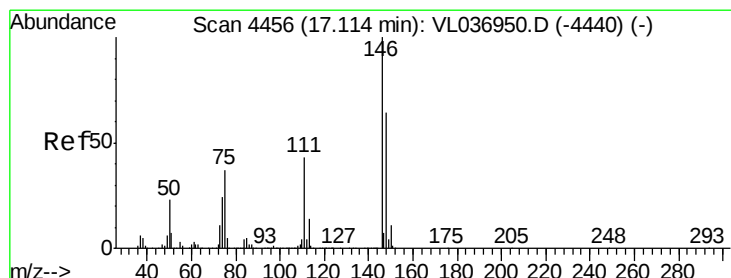
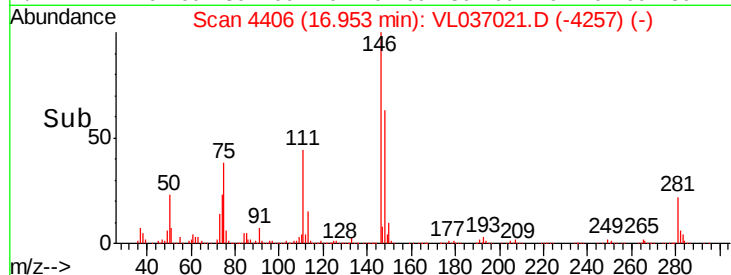
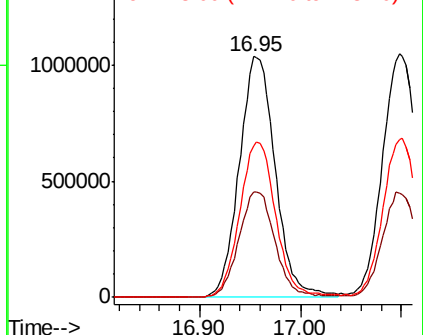
148 64.7 32.3 96.8



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: 7.769 ppbv

RT: 17.10 min Scan# 4451

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

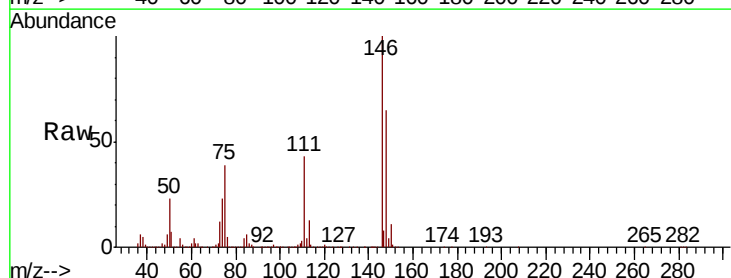
Tgt Ion:146 Resp: 2502893

Ion Ratio Lower Upper

146 100

111 45.1 22.6 67.7

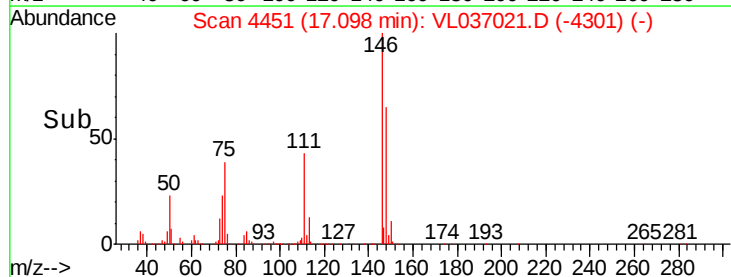
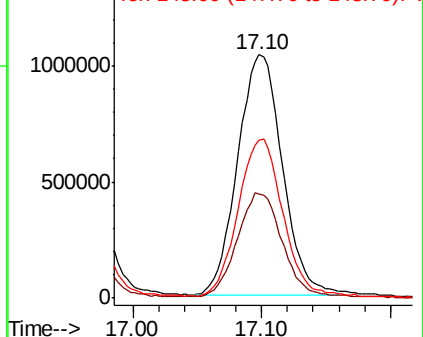
148 67.6 33.5 100.5

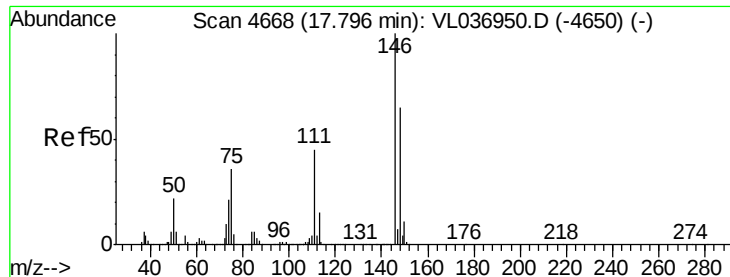


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.853 ppbv

RT: 17.78 min Scan# 4663

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

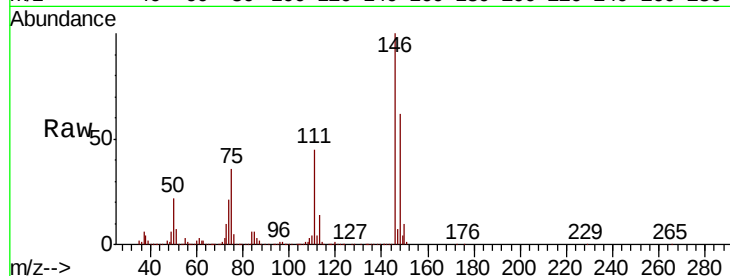
Tot Ion:146 Resp: 2507097

Ion Ratio Lower Upper

146 100

111 46.3 23.1 69.2

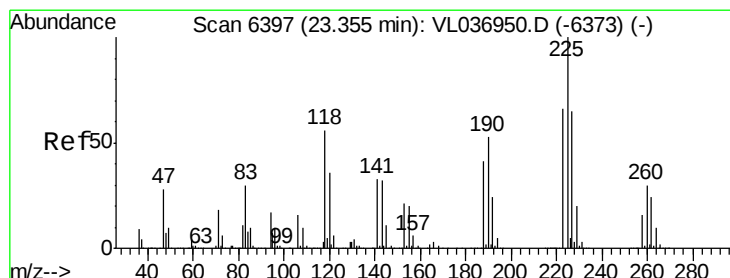
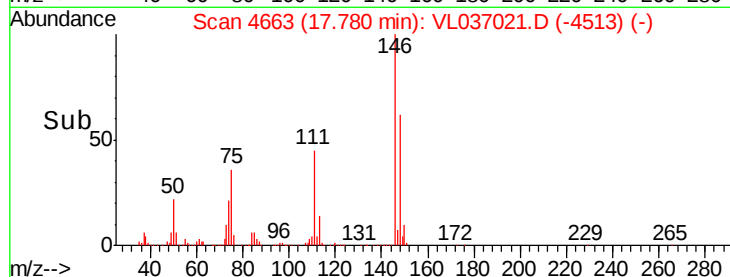
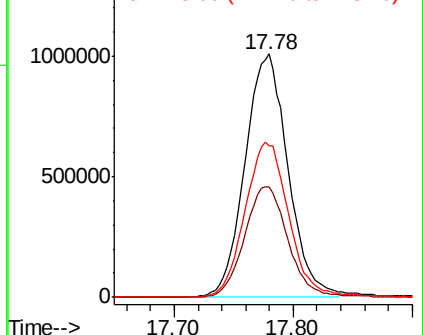
148 65.5 32.5 97.4



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: 7.222 ppbv

RT: 23.34 min Scan# 6391

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

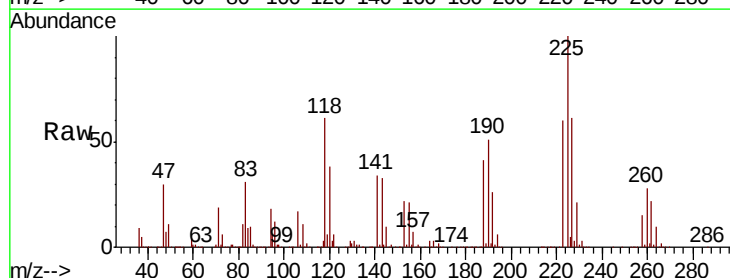
Tgt Ion:225 Resp: 1854074

Ion Ratio Lower Upper

225 100

223 64.4 51.9 77.9

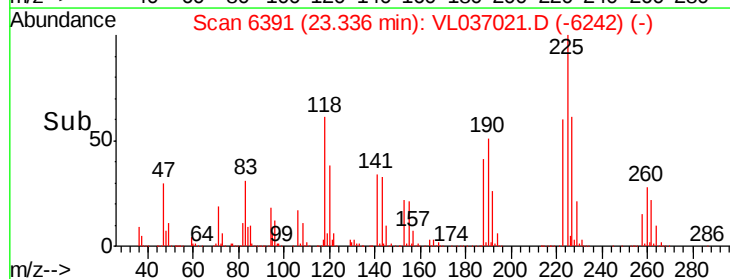
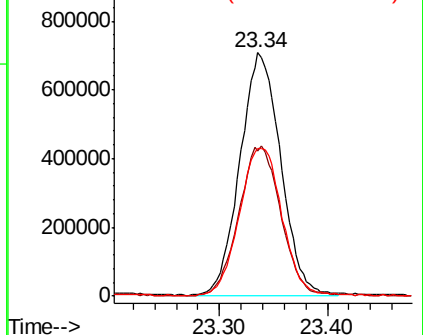
227 64.7 51.8 77.6

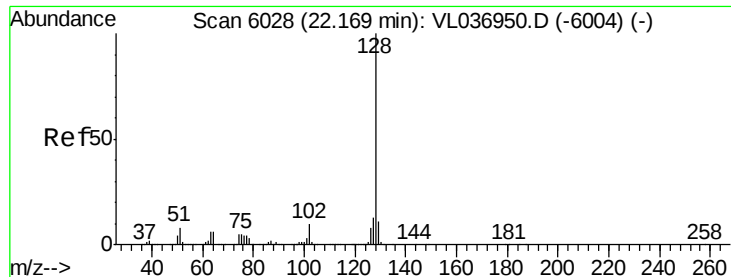


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.109 ppbv

RT: 22.15 min Scan# 6021

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

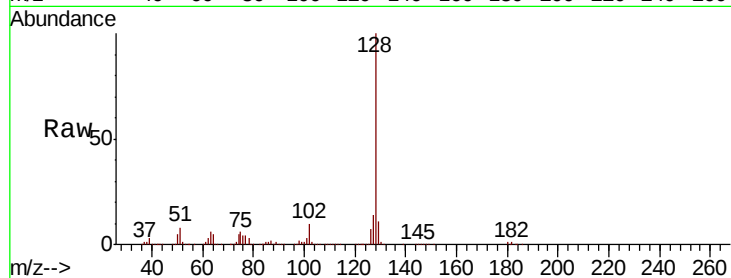
MSVOA_L

ClientSampleId :

VL0520ABS01

Tot Ion:128 Resp: 3729170

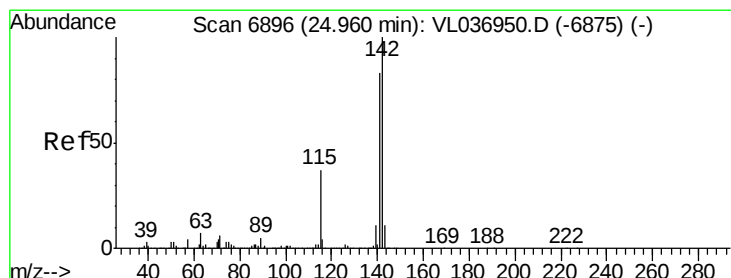
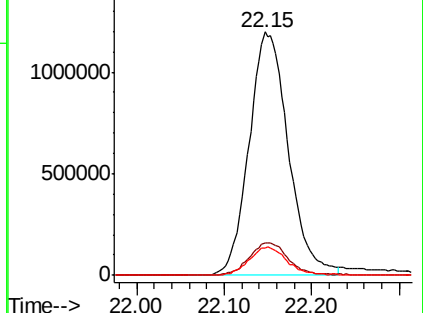
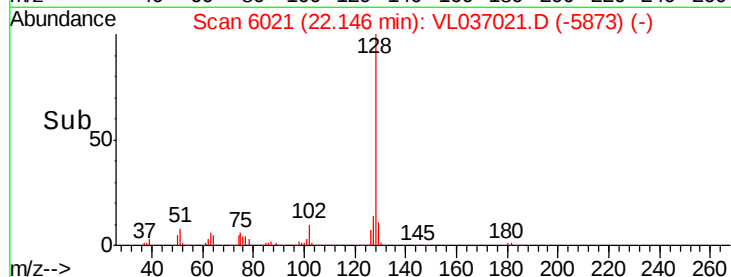
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	11.4	9.0	13.6



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: 9.833 ppbv

RT: 24.94 min Scan# 6891

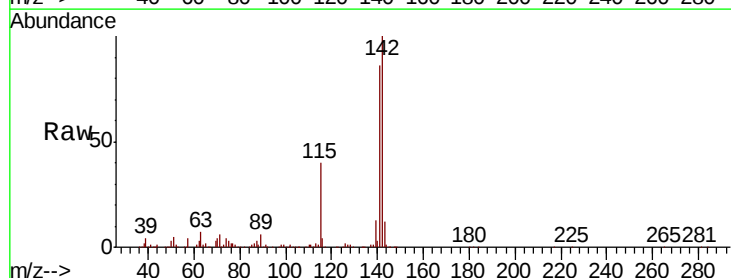
Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Tgt Ion:142 Resp: 875365

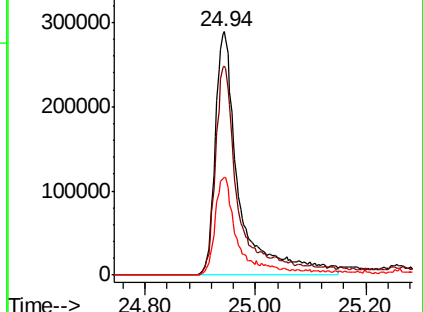
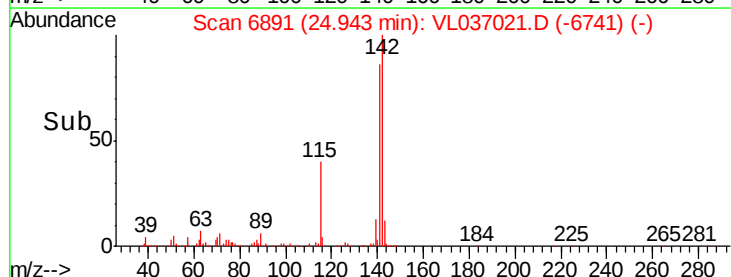
Ion	Ratio	Lower	Upper
142	100		
141	87.1	69.3	103.9
115	37.9	29.1	43.7

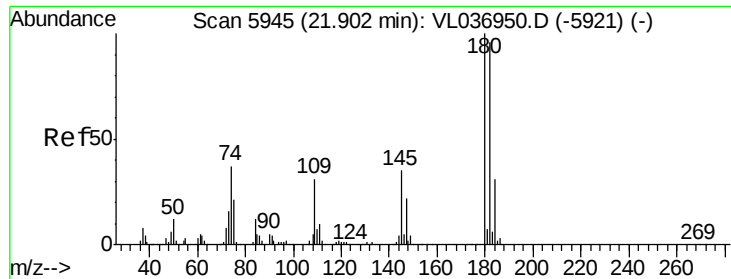


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.435 ppbv

RT: 21.88 min Scan# 5938

Delta R.T. -0.02 min

Lab File: VL037021.D

Acq: 20 May 2021 12:28

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABS01

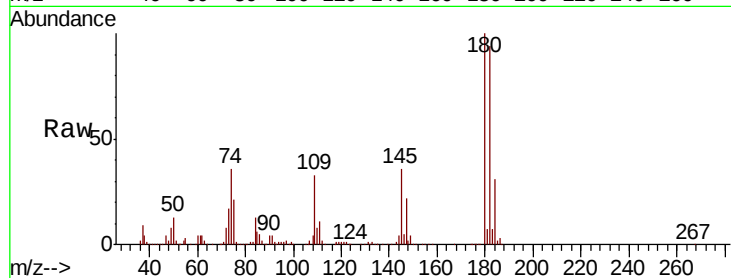
Tot Ion:180 Resp: 2105149

Ion Ratio Lower Upper

180 100

182 98.3 81.7 122.5

184 31.9 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

