

Data File : VL035401.D

Acq On : 13 Aug 2020 11:34

Operator : SY/AP

Sample : VL0813ABS01

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 14 04:23:55 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081220AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 12 20:32:44 2020

QLast Update : Wed Aug 12 20:32:44 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1410480	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3332446	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4025755	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2724657	8.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1638860	9.648	ppbv	100
3) Chlorodifluoromethane	2.98	51	1570463	9.577	ppbv	97
4) Chloromethane	3.13	50	847786	9.251	ppbv	97
5) Vinyl Chloride	3.25	62	807187	8.912	ppbv	98
6) Bromomethane	3.47	94	488694	9.730	ppbv	93
7) Chloroethane	3.55	64	297540	9.313	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	1829364	9.278	ppbv	96
9) Propene	3.00	41	741448	8.728	ppbv	99
10) Heptane	8.13	43	1945076	8.840	ppbv	99
11) Trichlorofluoromethane	3.94	101	1947003	9.452	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1284237	9.161	ppbv	95
13) Ethanol	3.60	45	189632	6.807	ppbv	98
14) Bromoethene	3.73	108	586146	9.359	ppbv	99
15) Acetone	3.84	43	1452862	8.178	ppbv	99
16) 1,3-Butadiene	3.32	39	767976	8.419	ppbv	98
17) tert-Butyl alcohol	4.29	59	1778063	8.581	ppbv	100
18) 1,1-Dichloroethene	4.29	96	589631	9.181	ppbv	98
19) Isopropyl Alcohol	3.96	45	1218859	8.792	ppbv	# 45
20) Methylene Chloride	4.34	84	536242	7.994	ppbv	95
21) Allyl Chloride	4.41	41	1018349	8.730	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	604930	9.376	ppbv	95
23) Vinyl Acetate	5.07	43	2467767	8.701	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1710187	9.157	ppbv	99
25) Ethyl Acetate	5.68	43	3134871	8.549	ppbv	99
26) Hexane	5.69	57	1375824	8.575	ppbv	99
27) Carbon Disulfide	4.55	76	1568414	9.156	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2321828	8.764	ppbv	99
29) Chloroform	5.75	83	2182670	9.532	ppbv	99
30) Cyclohexane	7.13	84	1199478	9.070	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1491870	9.377	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	2183429	8.741	ppbv	100
34) 2-Butanone	5.24	43	2168912	9.133	ppbv	99
35) Carbon Tetrachloride	7.02	117	2155312	9.304	ppbv	95
36) Benzene	6.90	78	2901743	9.080	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1724138	9.720	ppbv	99
38) Trichloroethene	7.84	130	1015087	8.106	ppbv	96
39) 1,2-Dichloropropane	7.62	63	1158380	9.155	ppbv	95
40) 1,4-Dioxane	7.84	88	464517	9.013	ppbv	# 1
41) Tetrahydrofuran	6.05	42	1278088	9.021	ppbv	98
42) Bromodichloromethane	7.80	83	2386169	9.550	ppbv	99
43) Methyl Methacrylate	8.02	69	1316394	9.286	ppbv	99

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Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 14 04:23:55 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 20:32:44 2020
QLast Update : Wed Aug 12 20:32:44 2020
Response via : Initial Calibration

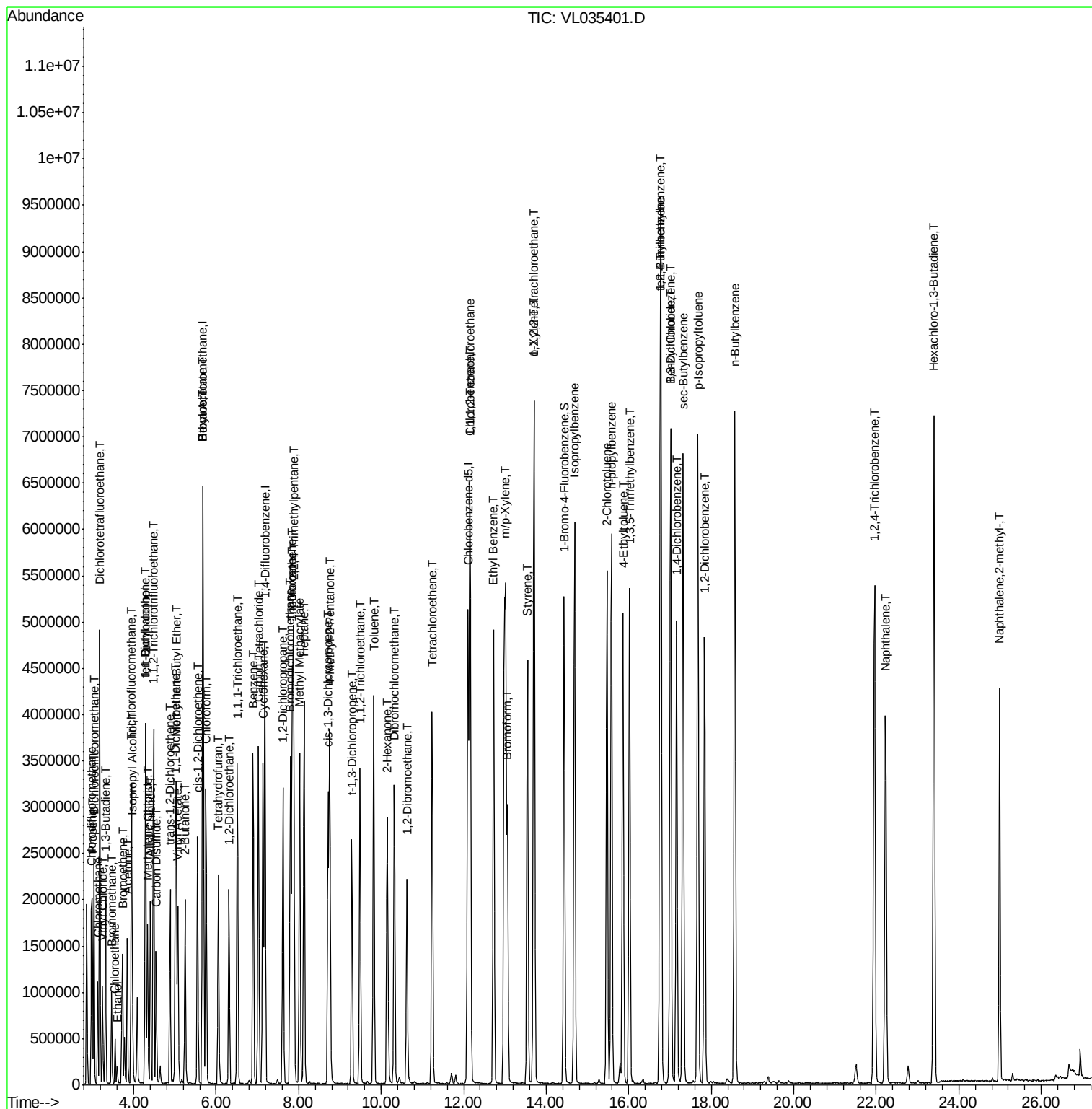
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4812378	8.754	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1565323	9.516	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	1779678	9.264	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	1195878	9.318	ppbv	95
48) Dibromochloromethane	10.32	129	1925909	9.389	ppbv	100
49) Bromoform	13.06	173	1590378	9.457	ppbv	100
50) 4-Methyl-2-Pentanone	8.75	43	3191128	8.916	ppbv	100
51) 2-Hexanone	10.14	43	2739630	9.092	ppbv	99
52) Tetrachloroethene	11.24	164	920456	8.123	ppbv	93
53) Toluene	9.82	91	3377102	8.903	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1859446	9.148	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1414724	7.232	ppbv	96
57) Chlorobenzene	12.16	112	2432989	7.089	ppbv	98
58) Ethyl Benzene	12.73	91	4606518	7.240	ppbv	99
59) m/p-Xylene	13.01	91	3739564	7.048	ppbv #	33
60) o-Xylene	13.71	91	3634692	7.074	ppbv	99
61) Styrene	13.55	104	2734882	7.210	ppbv	97
62) Isopropylbenzene	14.69	105	5417000	7.029	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	2606681	6.955	ppbv	100
64) n-propylbenzene	15.58	120	1451286	7.138	ppbv	94
65) tert-Butylbenzene	16.77	119	4586998	6.761	ppbv	96
66) Benzyl Chloride	17.01	91	2100926	6.856	ppbv	98
67) sec-Butylbenzene	17.32	105	6766346	6.918	ppbv	99
69) p-Isopropyltoluene	17.68	119	5586996	6.853	ppbv	98
70) n-Butylbenzene	18.57	91	6301190	6.981	ppbv	99
71) 2-Chlorotoluene	15.47	91	4461042	7.191	ppbv	98
72) 4-Ethyltoluene	15.86	105	4511603	7.194	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	4202569	7.147	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	4226468	6.834	ppbv	96
75) 1,3-Dichlorobenzene	17.02	146	2320137	6.874	ppbv	98
76) 1,4-Dichlorobenzene	17.16	146	2423350	6.990	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	2374076	6.977	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1806423	6.438	ppbv	100
79) Naphthalene	22.23	128	5086065	6.603	ppbv	99
80) Naphthalene,2-methyl-	24.99	142	2282076	6.362	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	2382554	6.535	ppbv	99

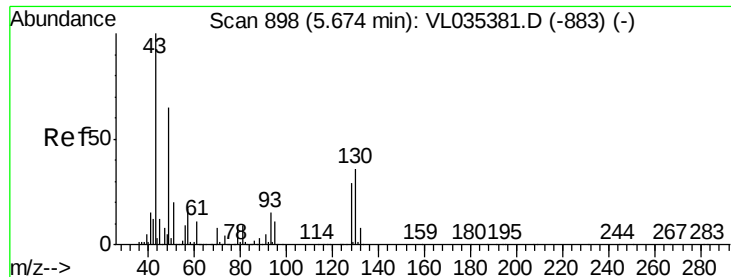
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 1 Sample Multiplier: 1

ClientSampleId :

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

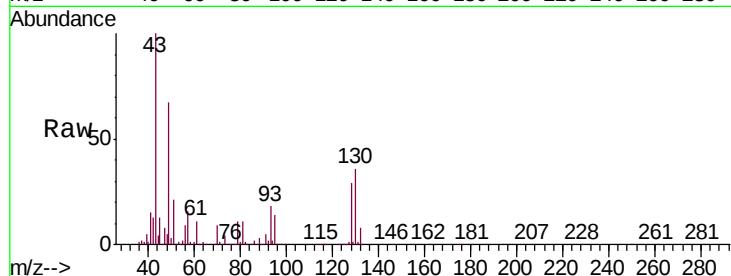
Tgt Ion: 49 Resp: 1410480

Ion Ratio Lower Upper

49 100

128 42.8 21.8 65.3

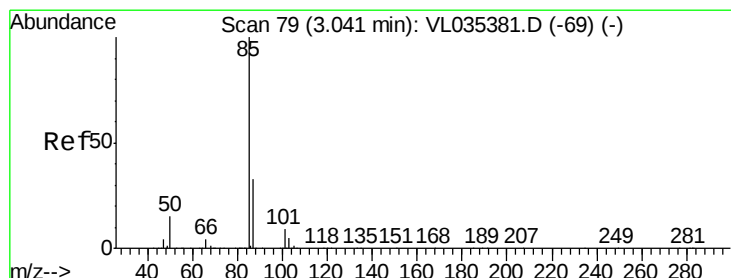
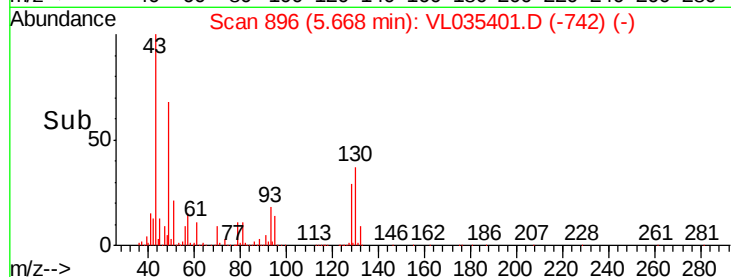
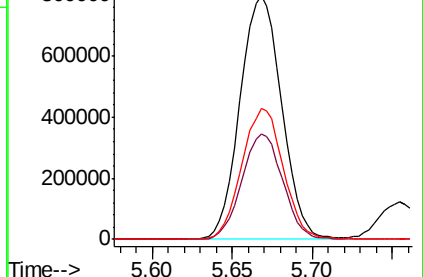
130 54.2 27.9 83.6



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: 9.648 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.00 min

Lab File: VL035401.D

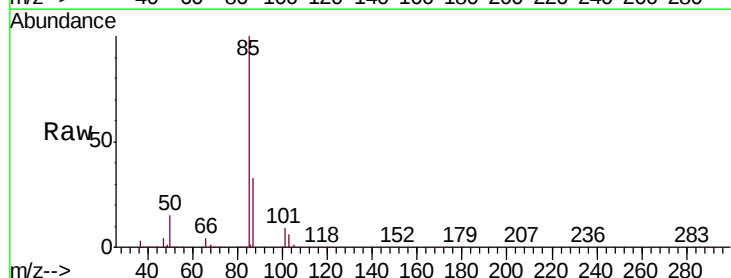
Acq: 13 Aug 2020 11:34

Tgt Ion: 85 Resp: 1638860

Ion Ratio Lower Upper

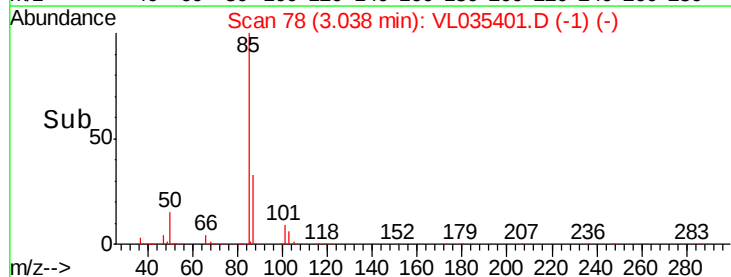
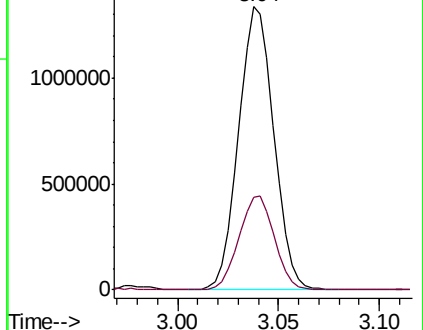
85 100

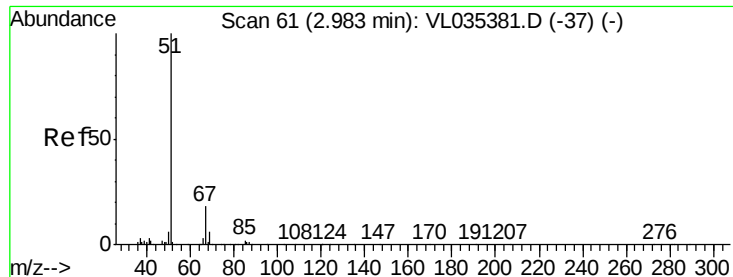
87 32.7 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.577 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

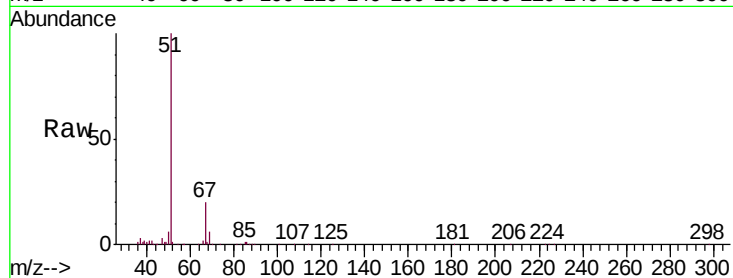
ClientSampleId :

Tgt Ion: 51 Resp: 1570463

Ion Ratio Lower Upper

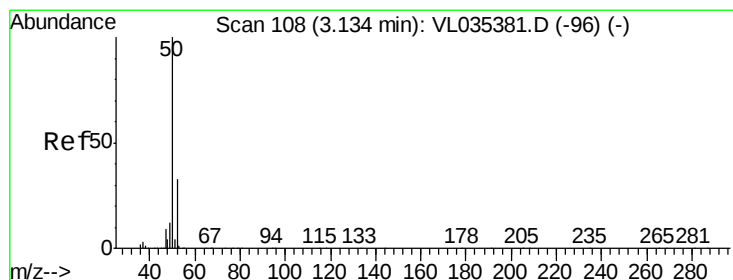
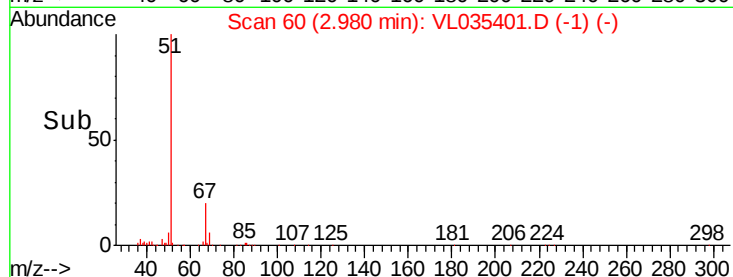
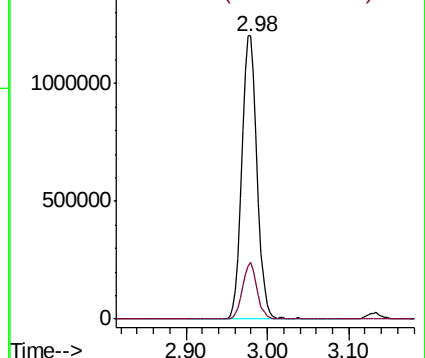
51 100

67 18.8 14.1 21.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.251 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.00 min

Lab File: VL035401.D

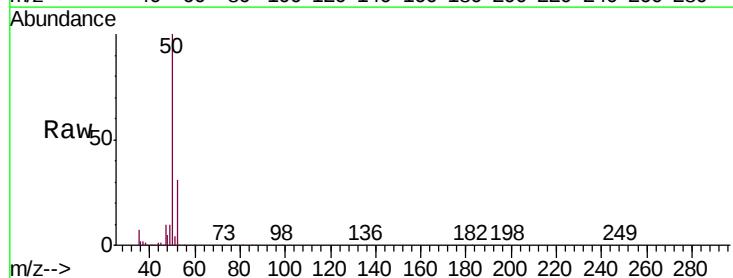
Acq: 13 Aug 2020 11:34

Tgt Ion: 50 Resp: 847786

Ion Ratio Lower Upper

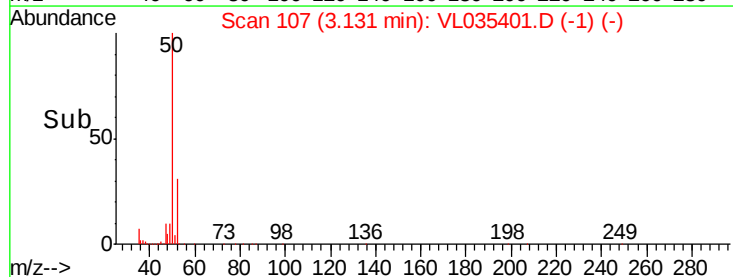
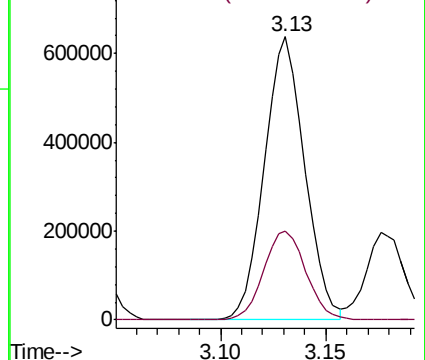
50 100

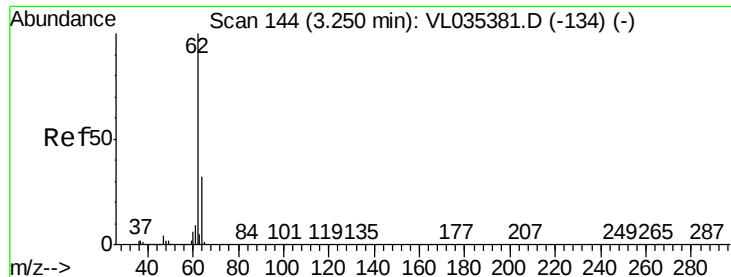
52 31.5 26.6 39.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.912 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

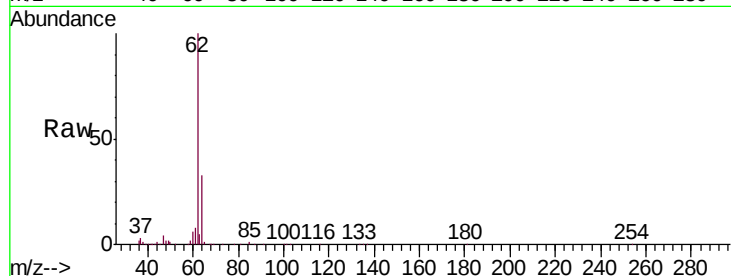
ClientSampleId :

Tgt Ion: 62 Resp: 807187

Ion Ratio Lower Upper

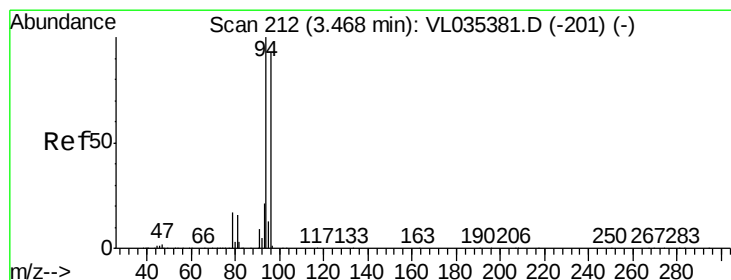
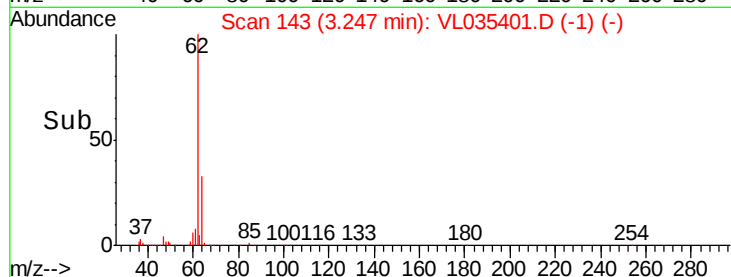
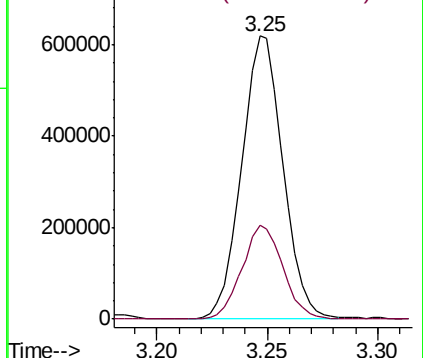
62 100

64 33.3 25.7 38.5



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.730 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL035401.D

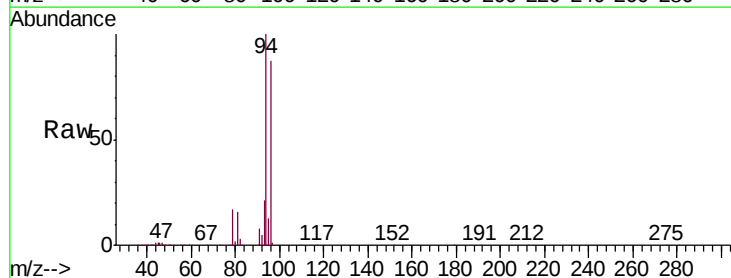
Acq: 13 Aug 2020 11:34

Tgt Ion: 94 Resp: 488694

Ion Ratio Lower Upper

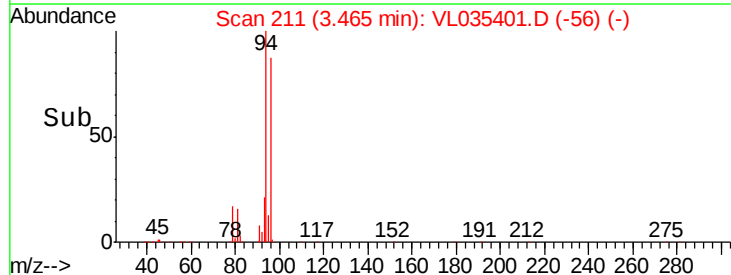
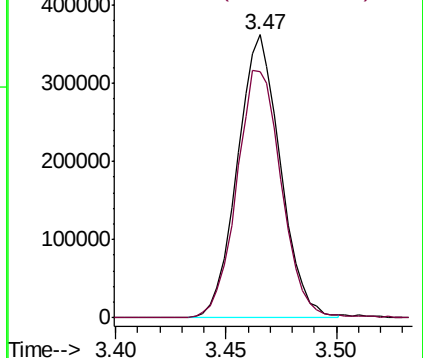
94 100

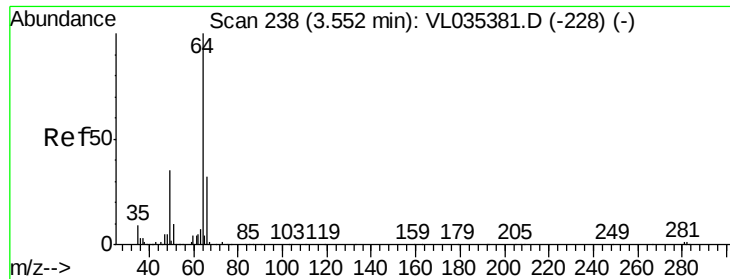
96 86.7 74.4 111.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.313 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.00 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

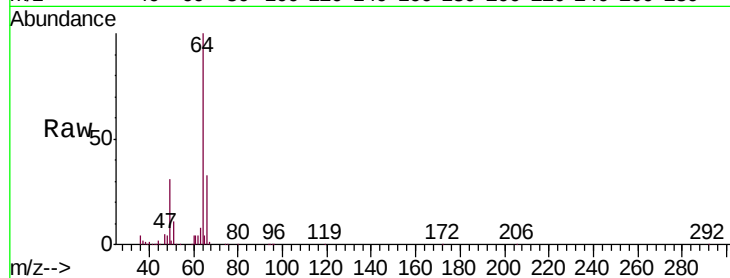
ClientSampleId :

Tgt Ion: 64 Resp: 297540

Ion Ratio Lower Upper

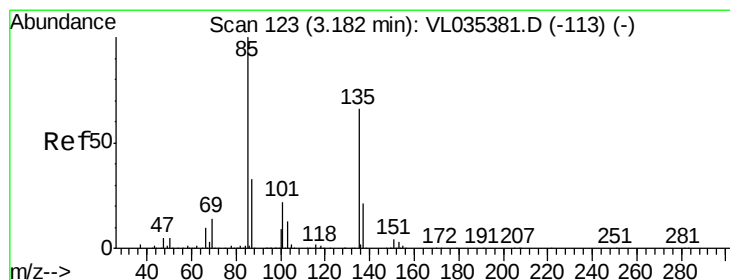
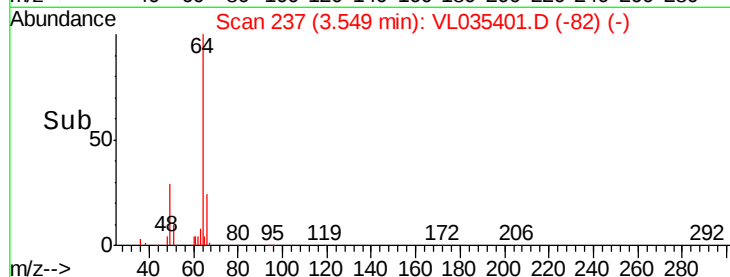
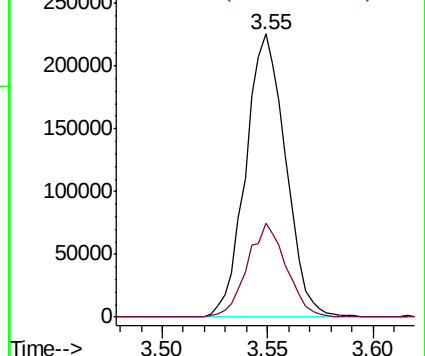
64 100

66 33.3 25.7 38.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.278 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.00 min

Lab File: VL035401.D

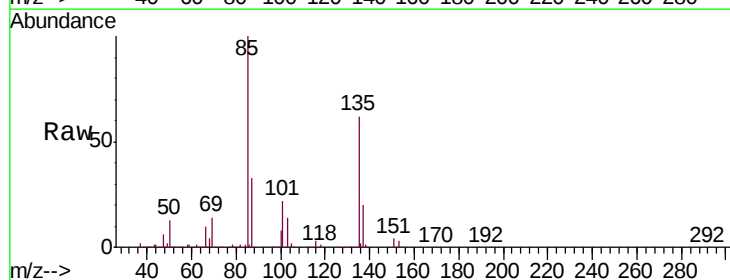
Acq: 13 Aug 2020 11:34

Tgt Ion: 85 Resp: 1829364

Ion Ratio Lower Upper

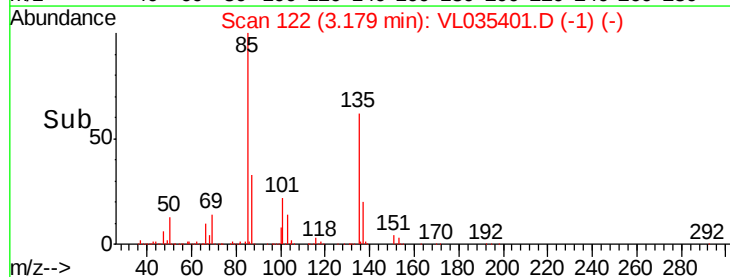
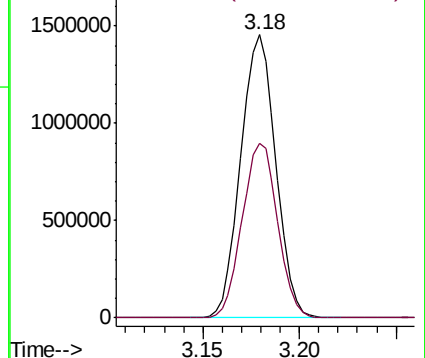
85 100

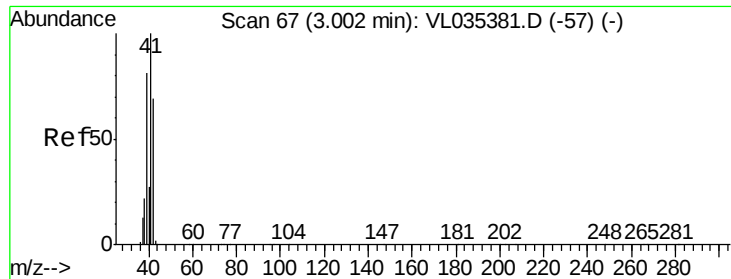
135 62.7 52.5 78.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.728 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

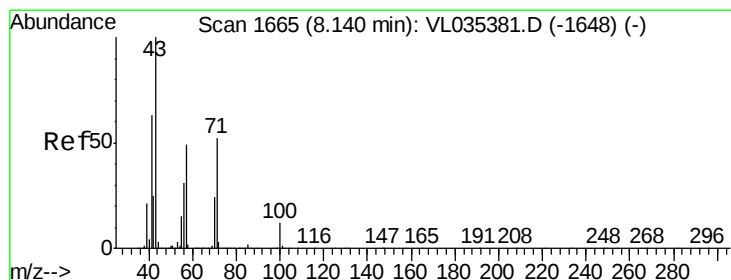
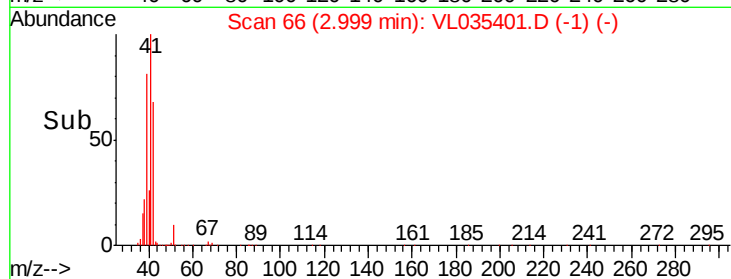
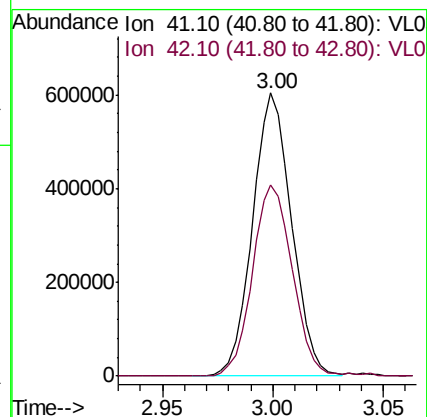
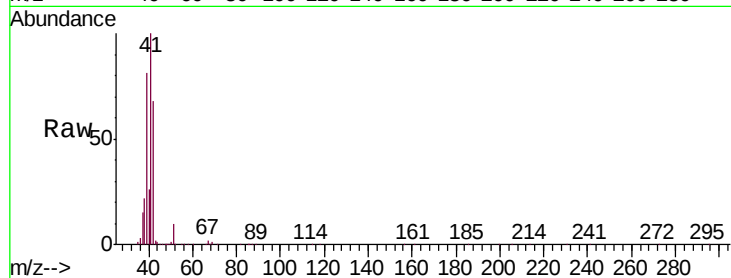
ClientSampleId :

Tgt Ion: 41 Resp: 741448

Ion Ratio Lower Upper

41 100

42 69.8 55.4 83.2



#10

Heptane

Concen: 8.840 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.01 min

Lab File: VL035401.D

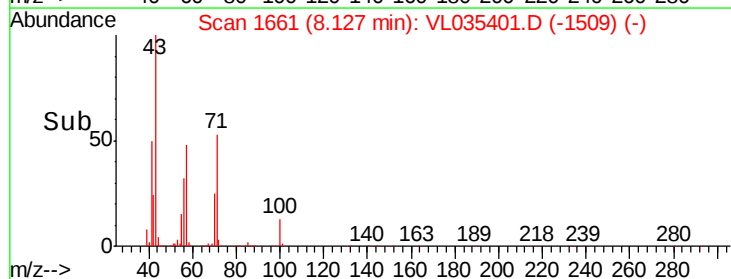
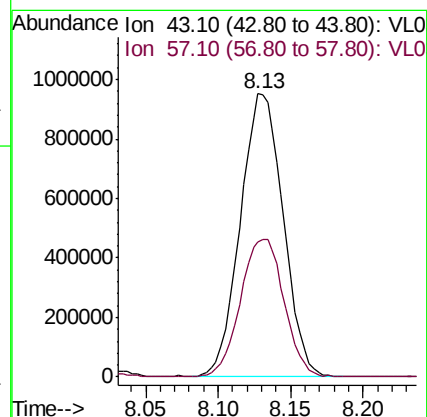
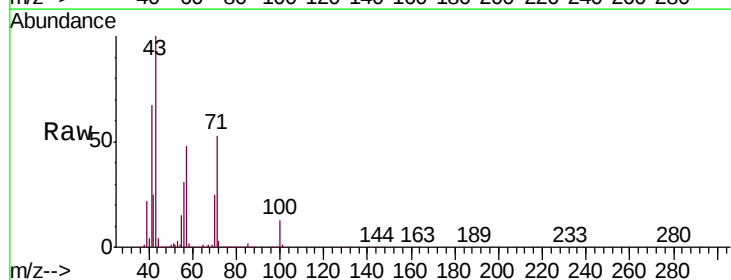
Acq: 13 Aug 2020 11:34

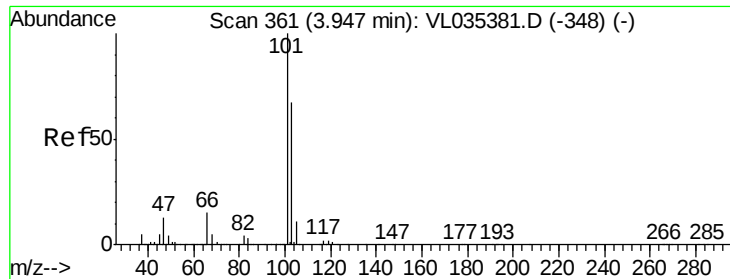
Tgt Ion: 43 Resp: 1945076

Ion Ratio Lower Upper

43 100

57 49.7 39.4 59.2

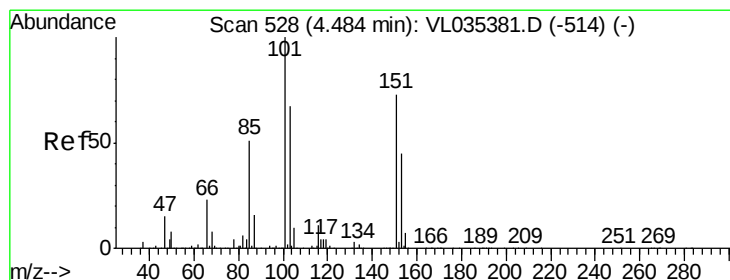
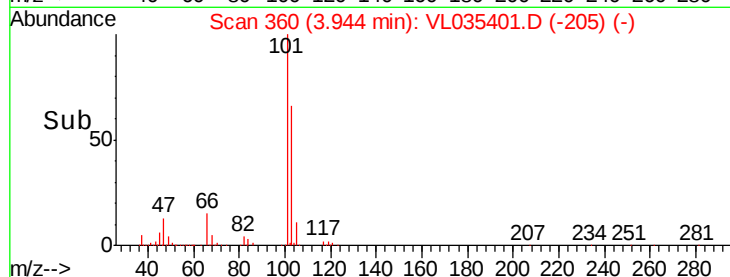
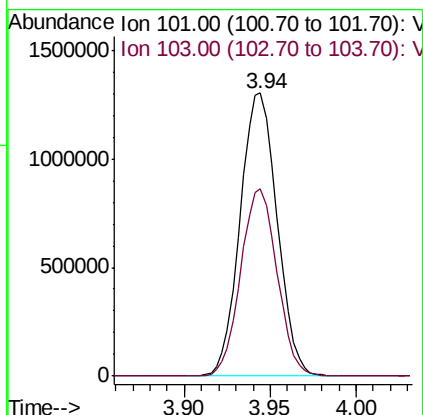
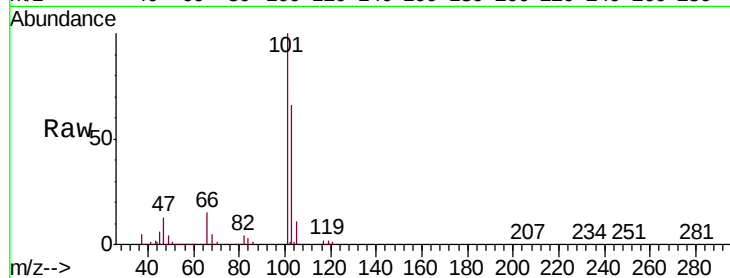




#11
 Trichlorofluoromethane
 Concen: 9.452 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

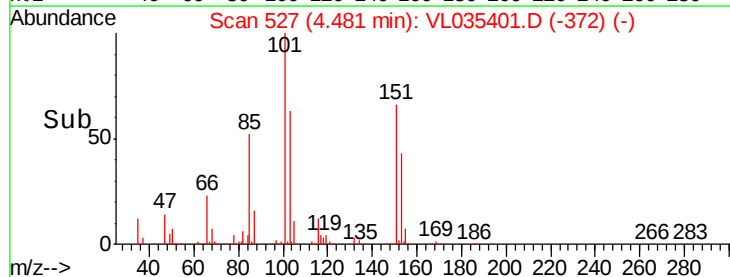
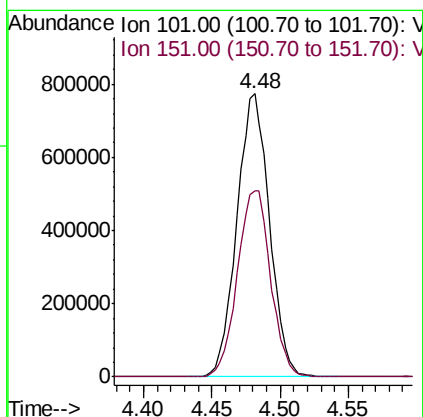
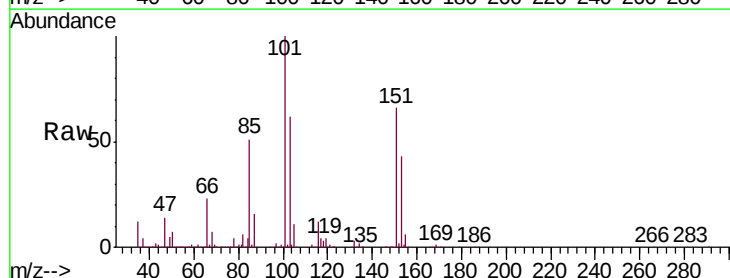
Instrument :
 MSVOA_L
 ClientSampled :

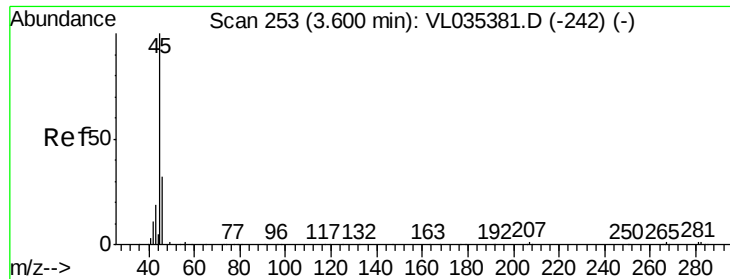
Tgt Ion:101 Resp: 1947003
 Ion Ratio Lower Upper
 101 100
 103 66.3 53.3 79.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.161 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Tgt Ion:101 Resp: 1284237
 Ion Ratio Lower Upper
 101 100
 151 67.0 57.0 85.6

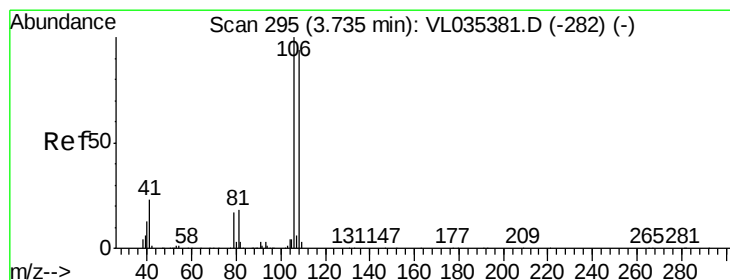
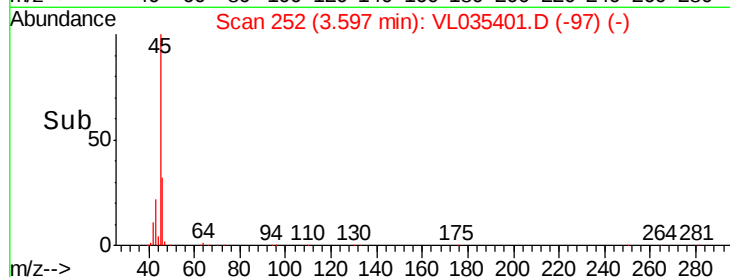
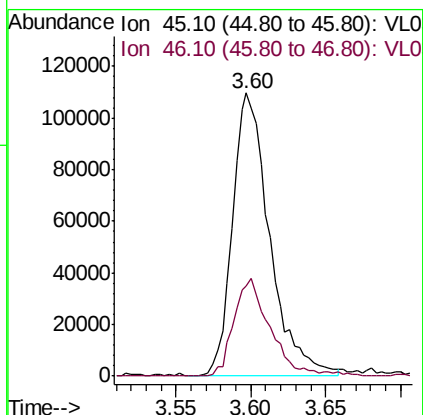
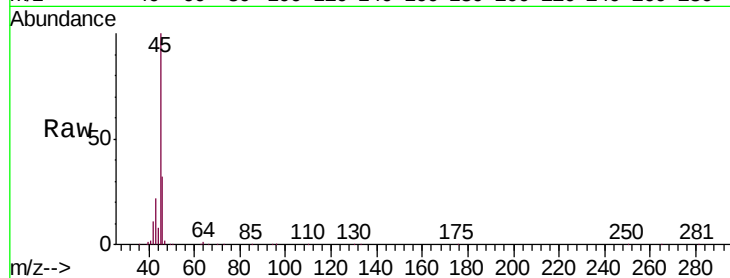




#13
Ethanol
Concen: 6.807 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

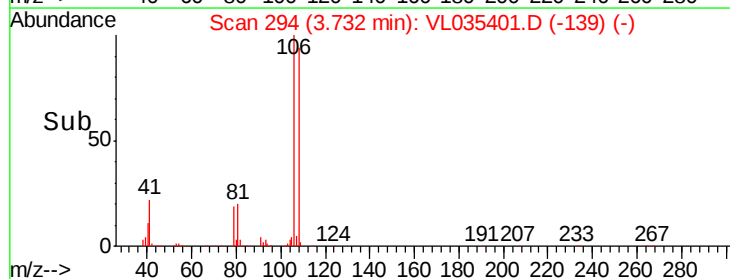
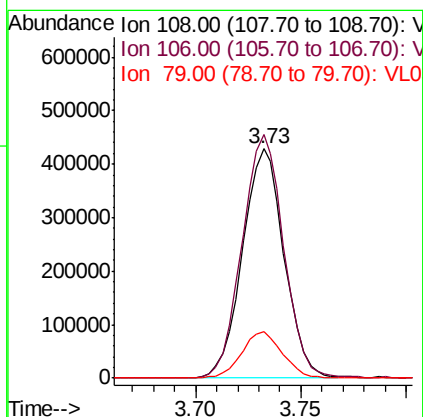
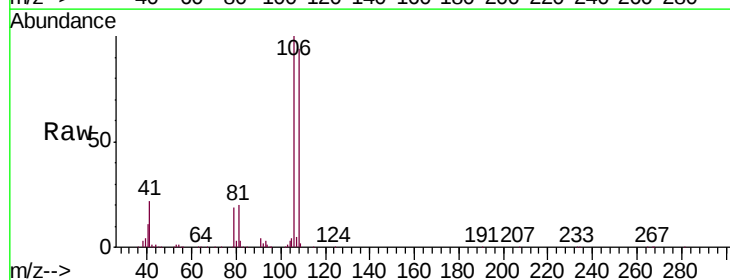
Instrument :
MSVOA_L
ClientSampleId :

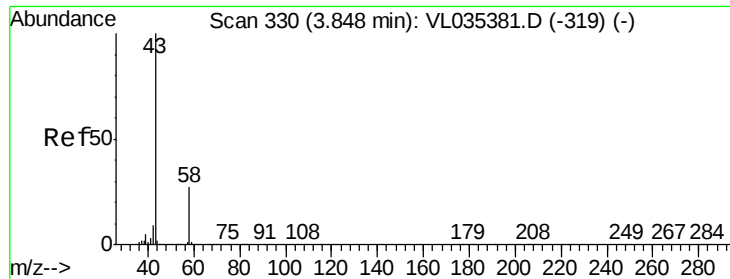
Tgt Ion: 45 Resp: 189632
Ion Ratio Lower Upper
45 100
46 34.1 14.1 56.3



#14
Bromoethene
Concen: 9.359 ppbv
RT: 3.73 min Scan# 294
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 108 Resp: 586146
Ion Ratio Lower Upper
108 100
106 107.1 84.9 127.3
79 20.1 15.8 23.8

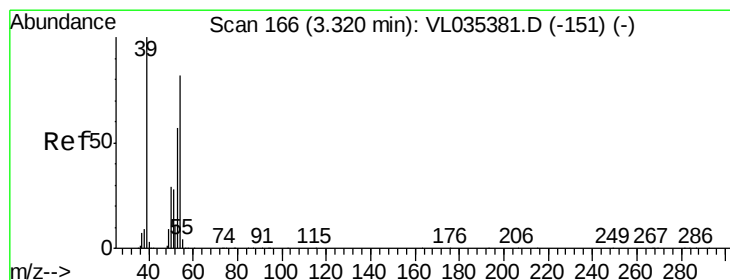
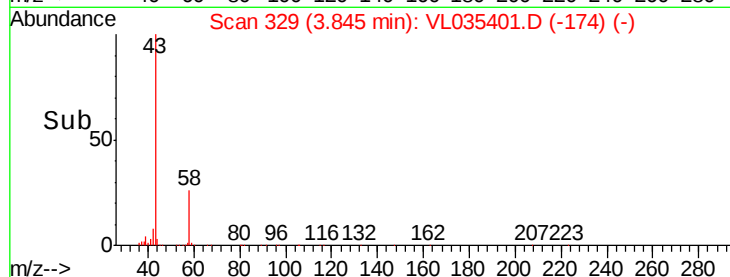
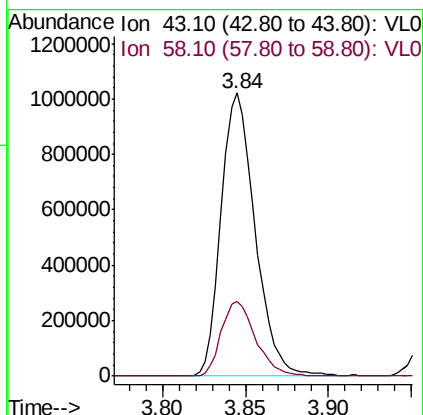
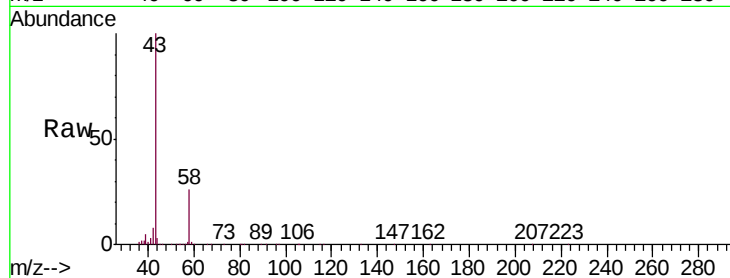




#15
Acetone
Concen: 8.178 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

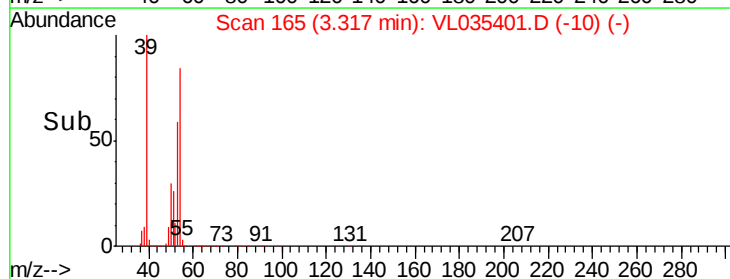
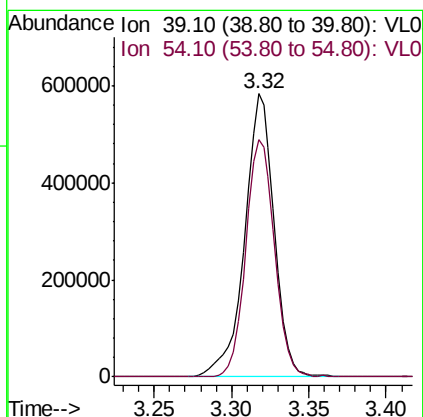
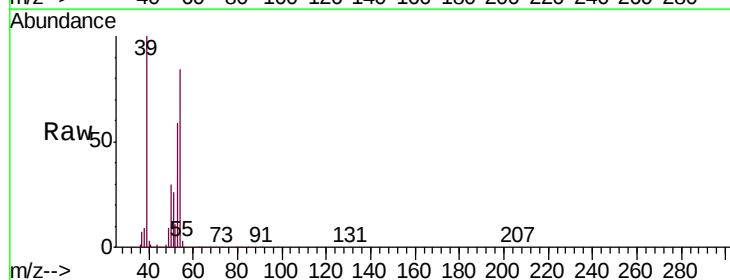
Instrument :
MSVOA_L
ClientSampleId :

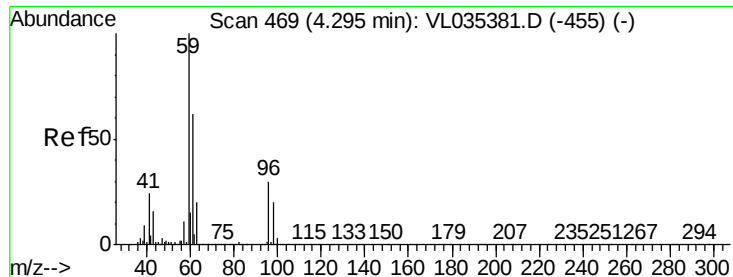
Tgt Ion: 43 Resp: 1452862
Ion Ratio Lower Upper
43 100
58 26.8 21.7 32.5



#16
1,3-Butadiene
Concen: 8.419 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 39 Resp: 767976
Ion Ratio Lower Upper
39 100
54 82.6 64.9 97.3

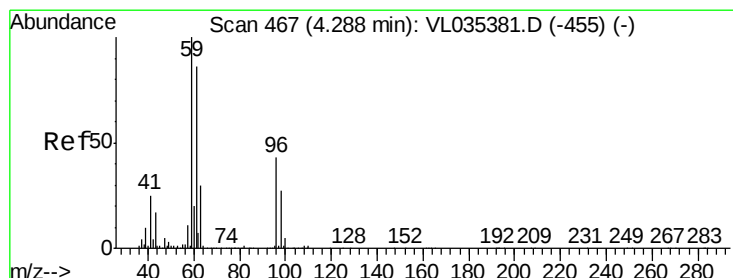
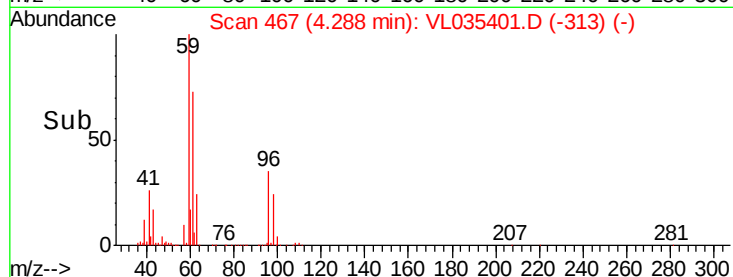
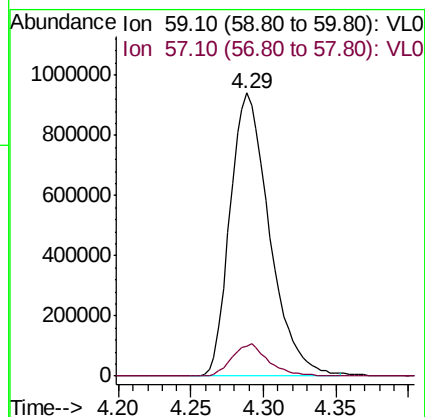
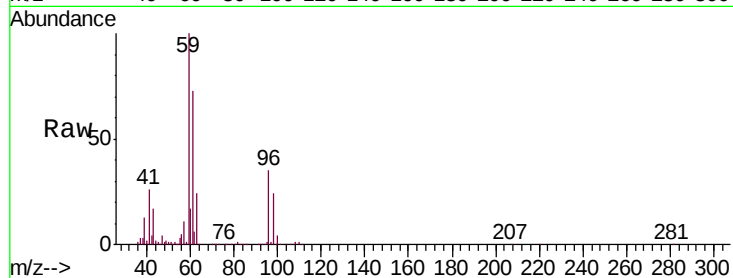




#17
tert-Butyl alcohol
Concen: 8.581 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

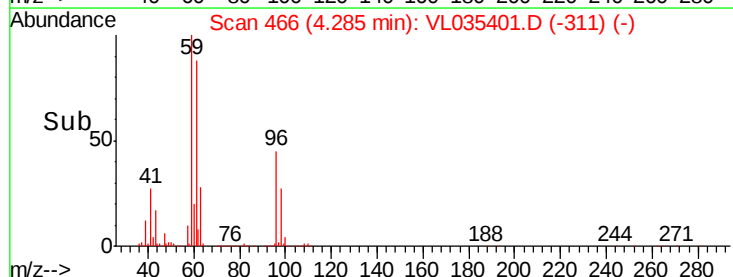
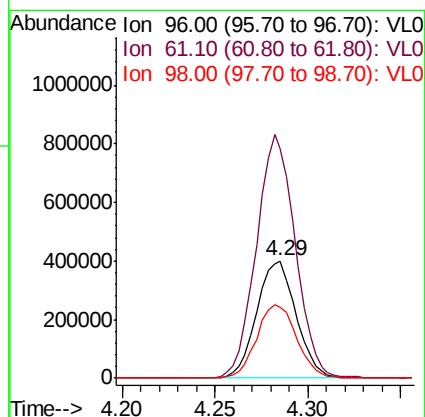
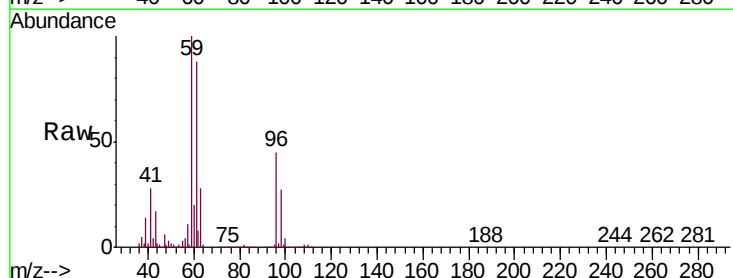
Instrument :
MSVOA_L
ClientSampleId :

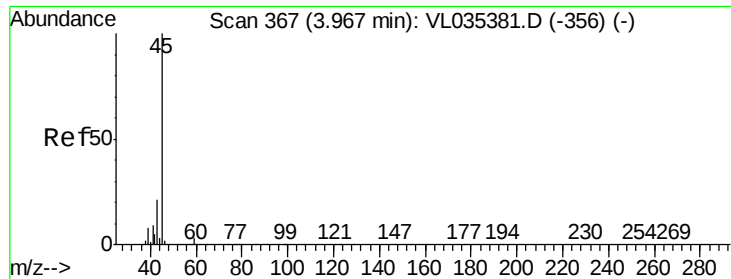
Tgt Ion: 59 Resp: 1778063
Ion Ratio Lower Upper
59 100
57 10.7 8.6 13.0



#18
1,1-Dichloroethene
Concen: 9.181 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 96 Resp: 589631
Ion Ratio Lower Upper
96 100
61 196.4 159.0 238.4
98 60.9 50.3 75.5

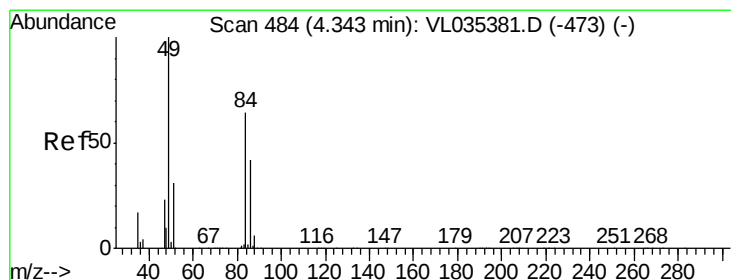
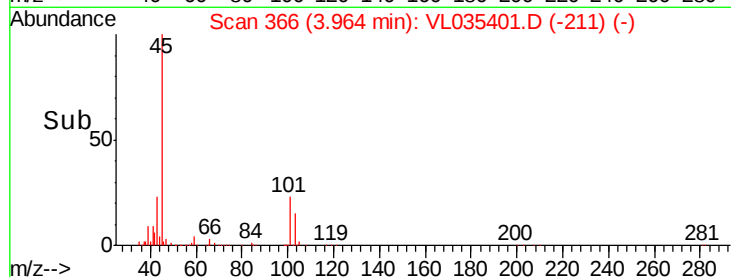
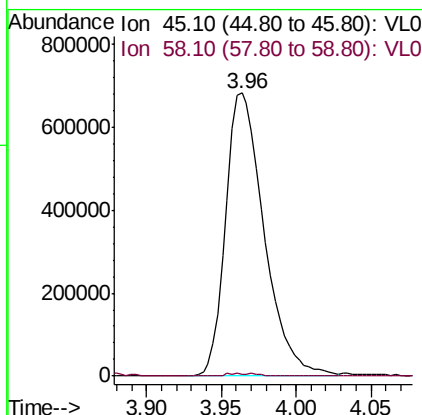
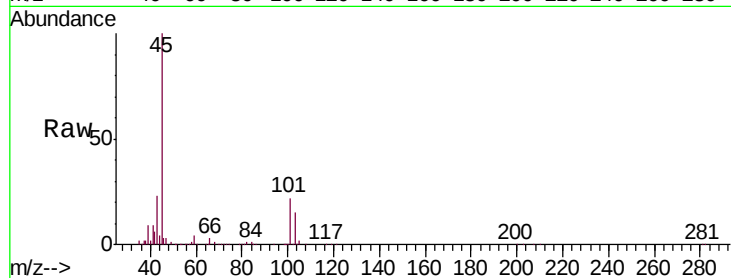




#19
Isopropyl Alcohol
Concen: 8.792 ppbv
RT: 3.96 min Scan# 366
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

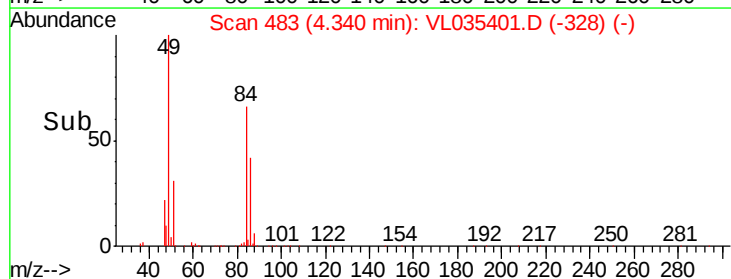
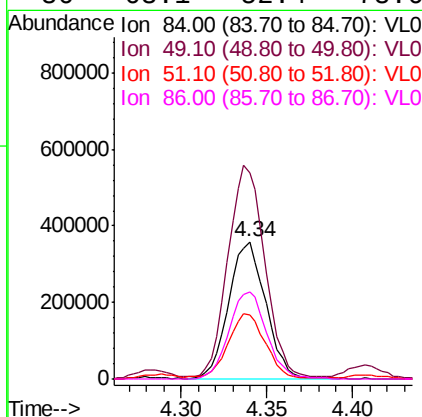
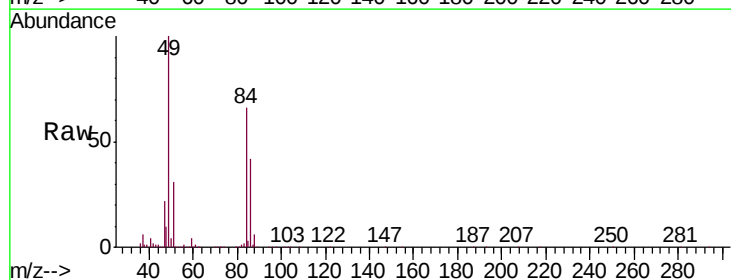
Instrument :
MSVOA_L
ClientSampleId :

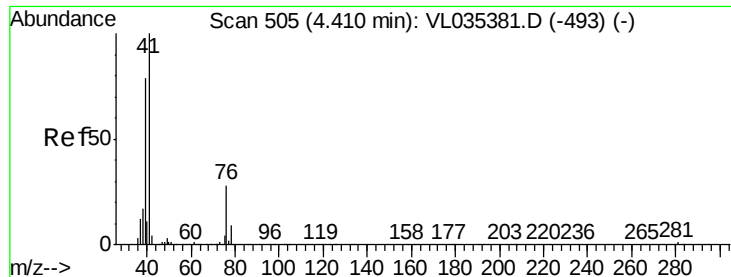
Tgt Ion: 45 Resp: 1218859
Ion Ratio Lower Upper
45 100
58 1.1 24.9 37.3#



#20
Methylene Chloride
Concen: 7.994 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 84 Resp: 536242
Ion Ratio Lower Upper
84 100
49 148.7 125.7 188.5
51 45.9 38.5 57.7
86 63.1 52.4 78.6

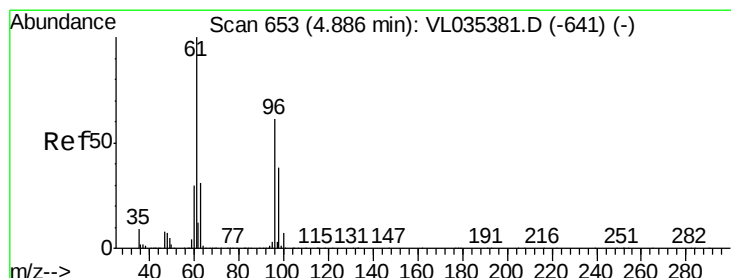
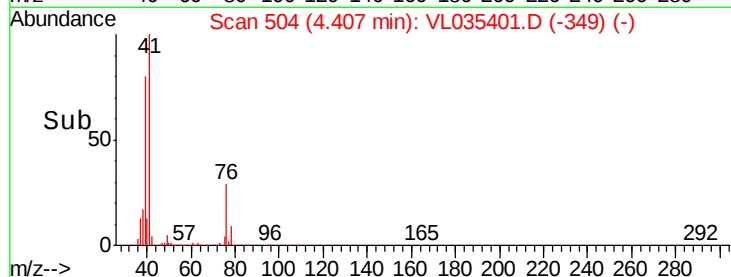
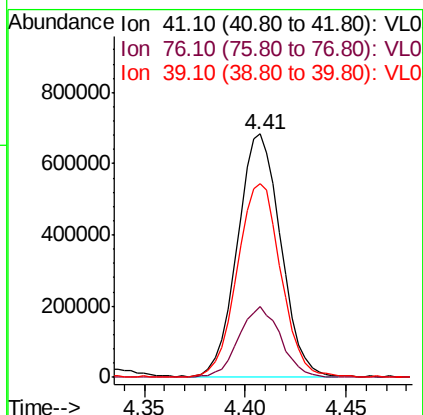
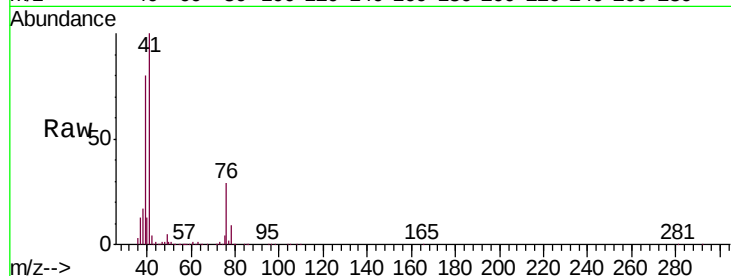




#21
 Allyl Chloride
 Concen: 8.730 ppbv
 RT: 4.41 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

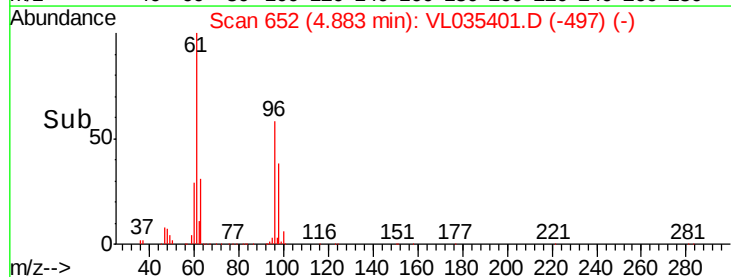
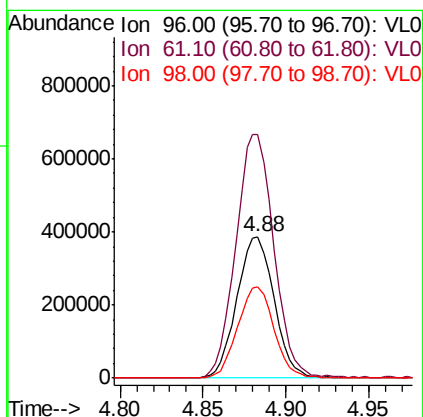
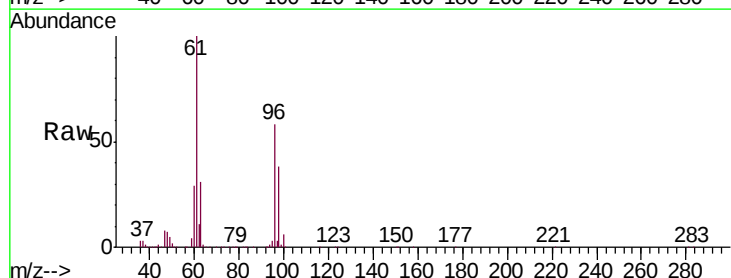
Instrument :
 MSVOA_L
 ClientSampleId :

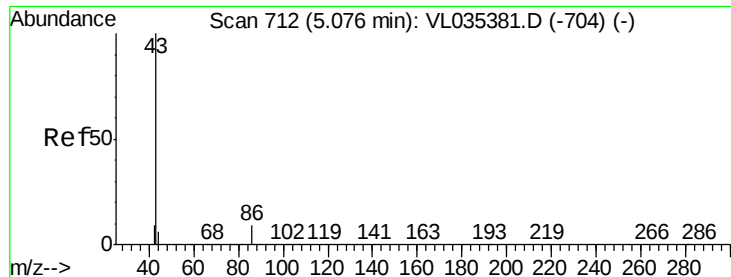
Tgt Ion: 41 Resp: 1018349
 Ion Ratio Lower Upper
 41 100
 76 28.5 22.4 33.6
 39 81.3 63.0 94.4



#22
 trans-1,2-Dichloroethene
 Concen: 9.376 ppbv
 RT: 4.88 min Scan# 652
 Delta R.T. -0.00 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Tgt Ion: 96 Resp: 604930
 Ion Ratio Lower Upper
 96 100
 61 172.0 131.8 197.6
 98 64.8 49.6 74.4





#23

Vinyl Acetate

Concen: 8.701 ppbv

RT: 5.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 2467767

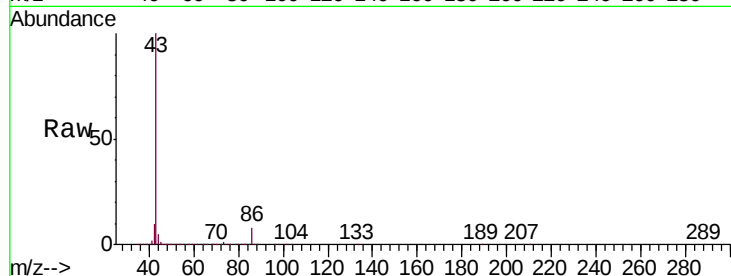
Ion Ratio Lower Upper

43 100

86 7.6 5.8 8.8

42 10.2 8.0 12.0

44 5.1 4.2 6.2

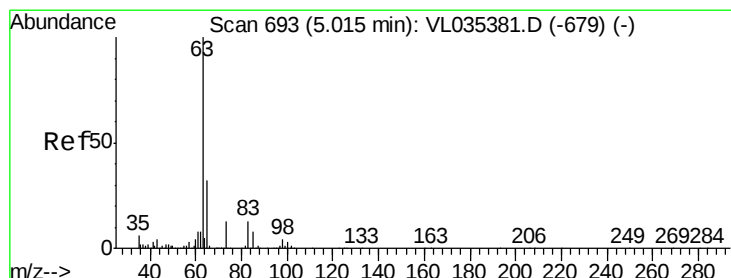
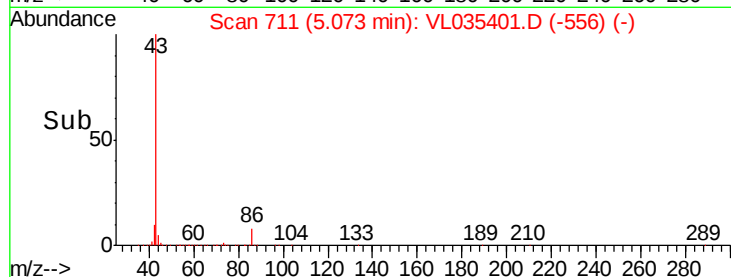
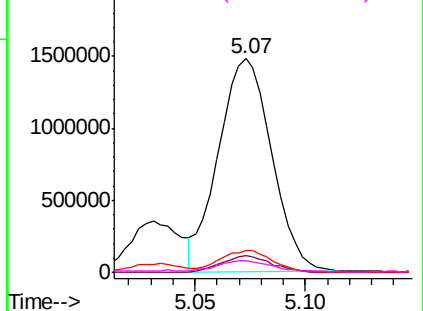


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.157 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

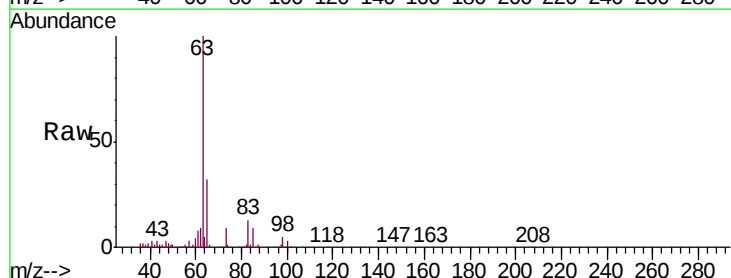
Tgt Ion: 63 Resp: 1710187

Ion Ratio Lower Upper

63 100

98 4.7 2.2 6.6

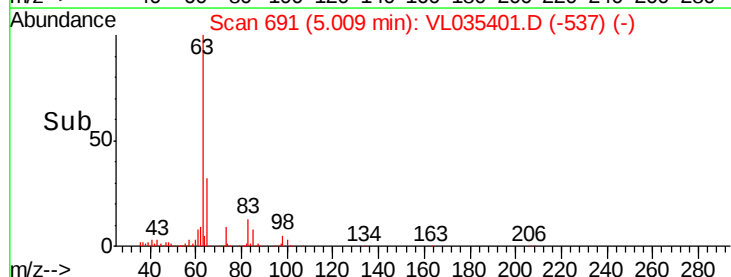
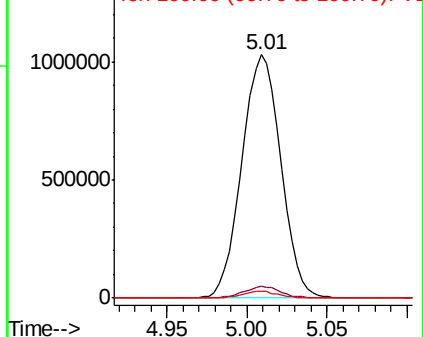
100 3.0 1.4 4.0

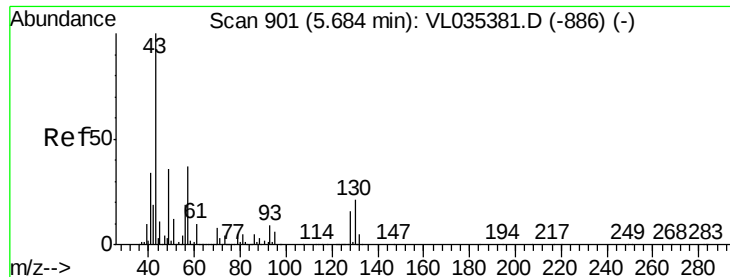


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



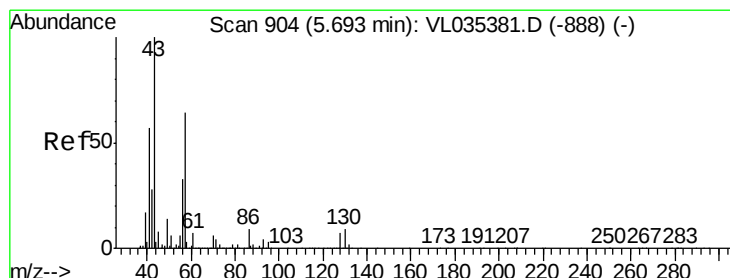
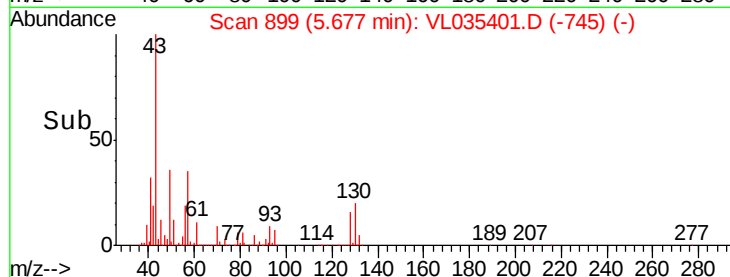
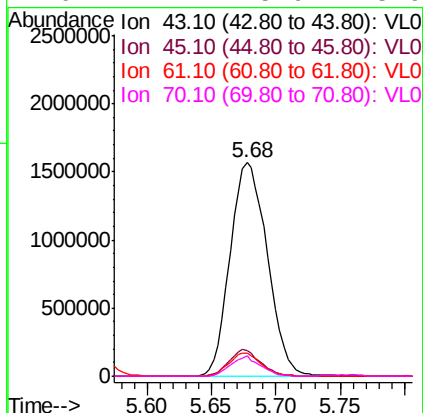
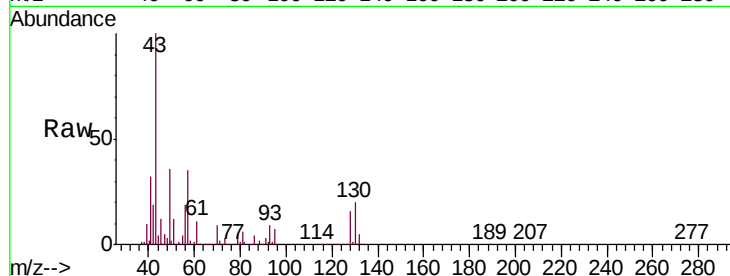


#25
Ethyl Acetate
Concen: 8.549 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 3134871

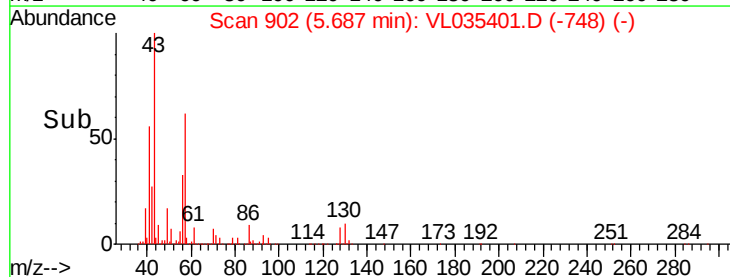
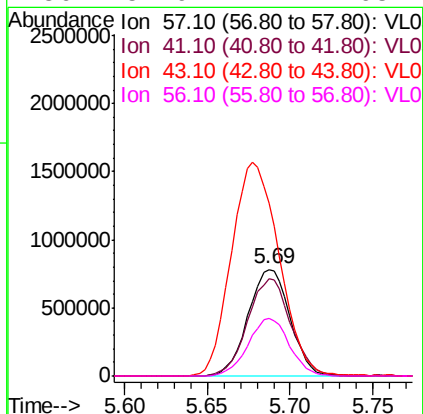
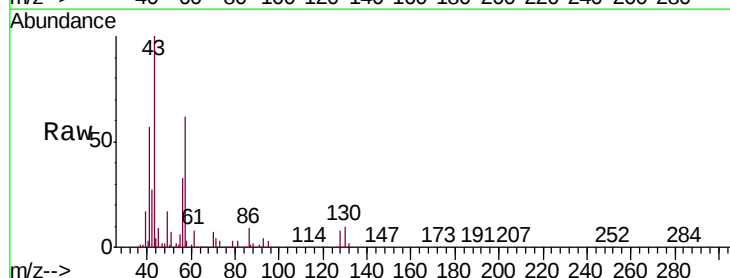
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.0	12.0
61	9.5	7.4	11.2
70	7.7	5.9	8.9

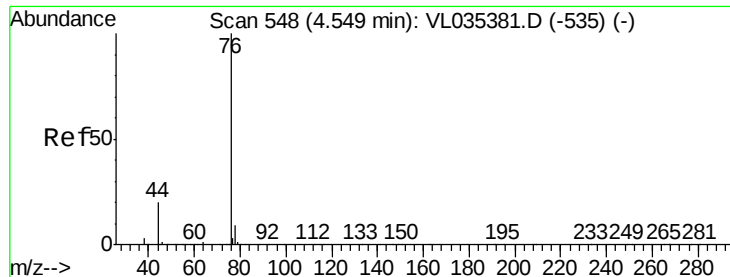


#26
Hexane
Concen: 8.575 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 57 Resp: 1375824

Ion	Ratio	Lower	Upper
57	100		
41	95.2	75.4	113.2
43	228.6	184.1	276.1
56	52.9	42.2	63.4





#27

Carbon Disulfide

Concen: 9.156 ppbv

RT: 4.55 min Scan# 547

Delta R.T. -0.00 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

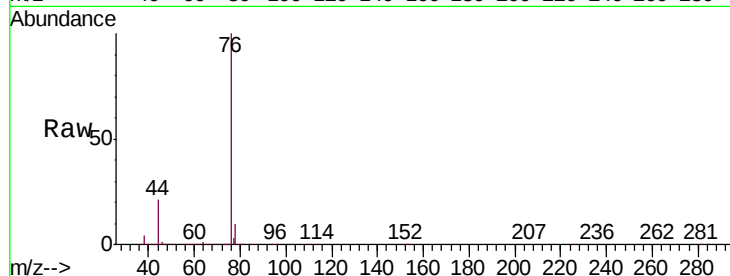
Tgt Ion: 76 Resp: 1568414

Ion Ratio Lower Upper

76 100

44 20.7 17.0 25.4

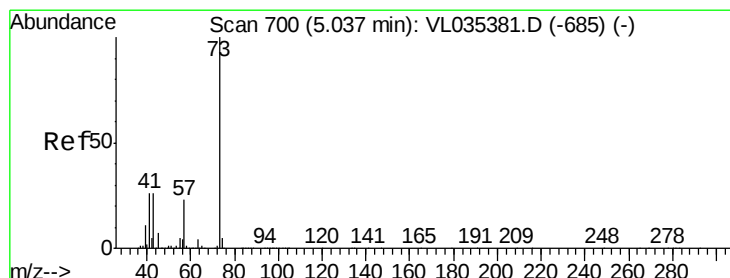
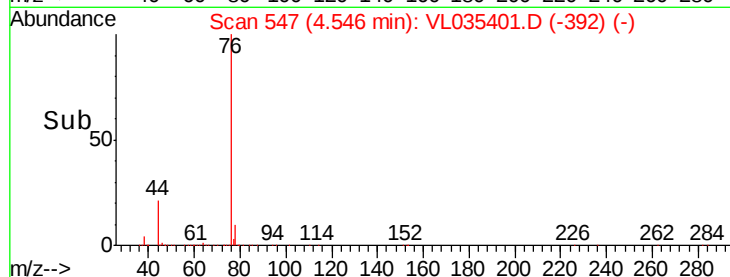
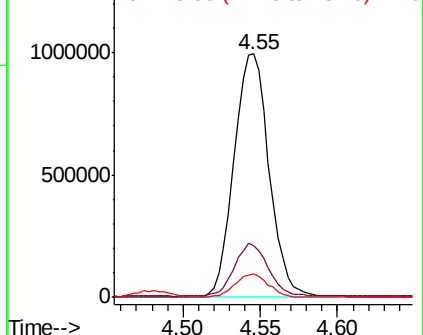
78 9.4 7.5 11.3



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: 8.764 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.00 min

Lab File: VL035401.D

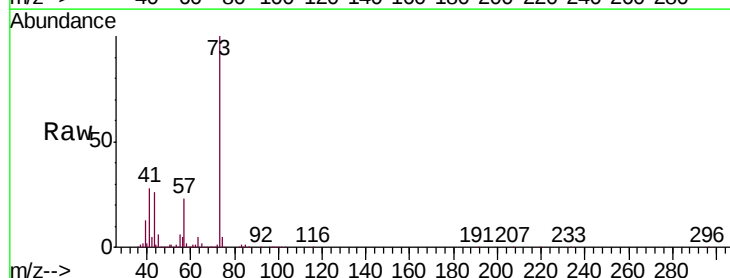
Acq: 13 Aug 2020 11:34

Tgt Ion: 73 Resp: 2321828

Ion Ratio Lower Upper

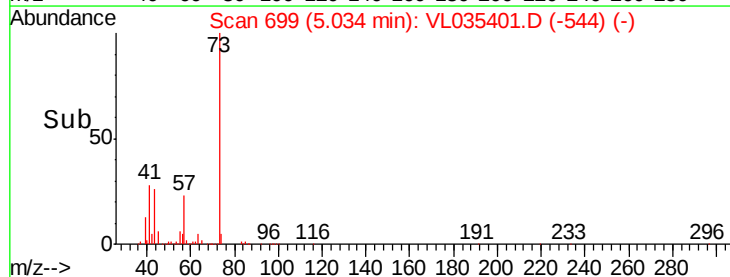
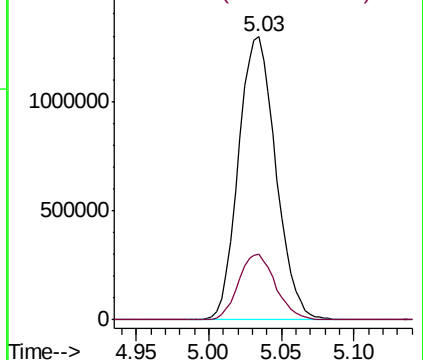
73 100

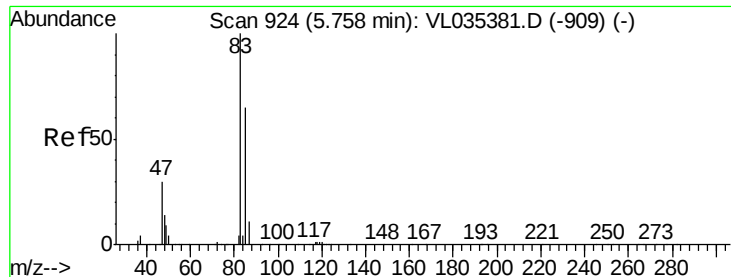
57 23.2 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.532 ppbv

RT: 5.75 min Scan# 923

Delta R.T. -0.00 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

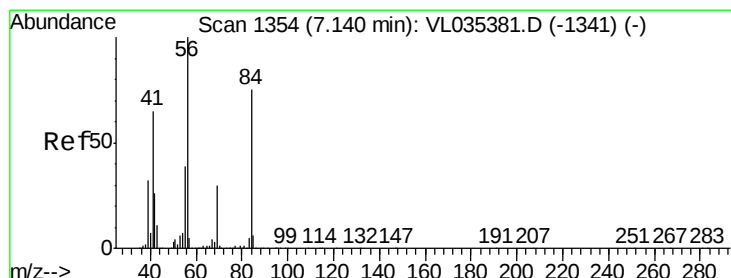
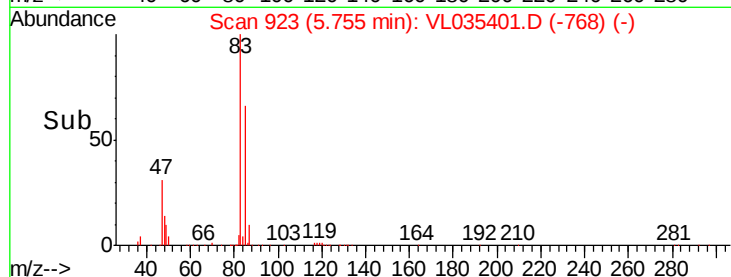
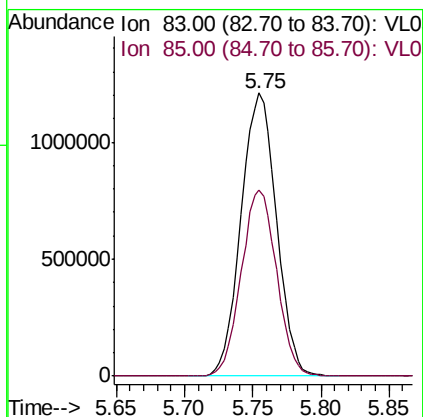
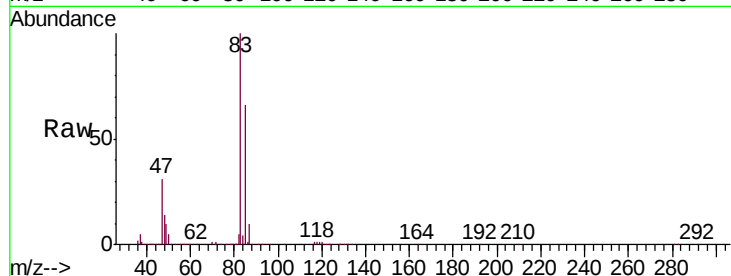
ClientSampleId :

Tgt Ion: 83 Resp: 2182670

Ion Ratio Lower Upper

83 100

85 65.7 51.7 77.5



#30

Cyclohexane

Concen: 9.070 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

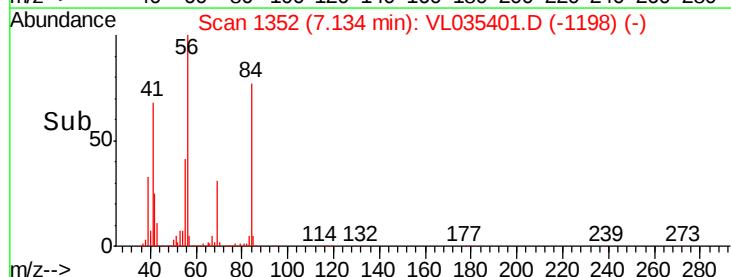
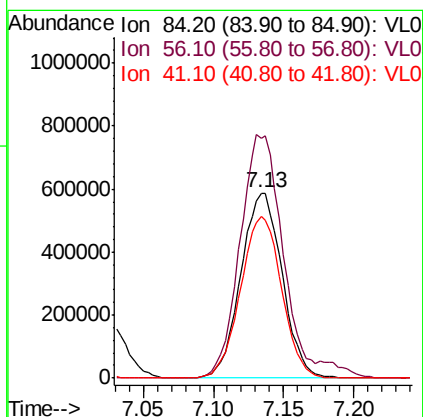
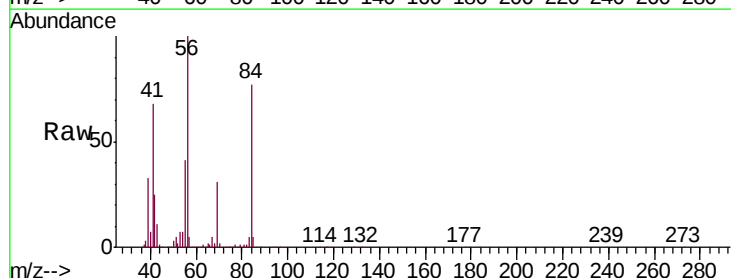
Tgt Ion: 84 Resp: 1199478

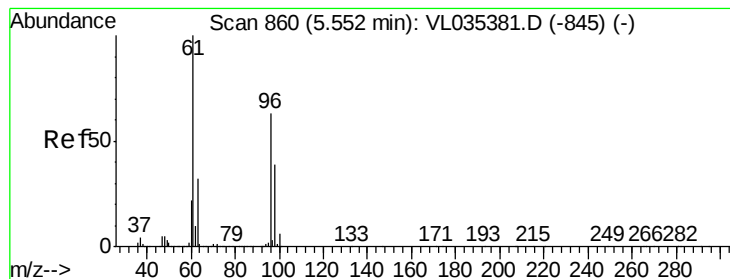
Ion Ratio Lower Upper

84 100

56 141.0 115.8 173.6

41 87.1 71.4 107.0





#31

cis-1,2-Dichloroethene

Concen: 9.377 ppbv

RT: 5.55 min Scan# 859

Delta R.T. -0.00 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

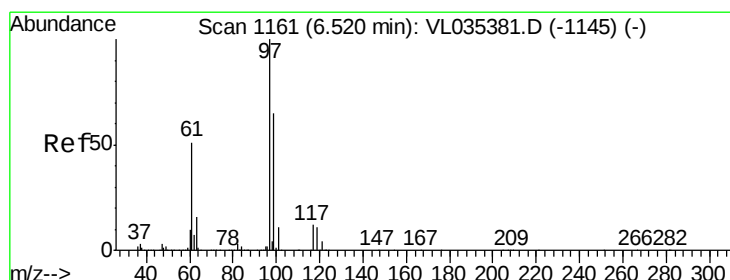
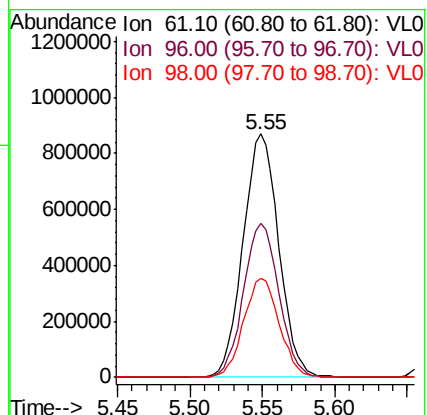
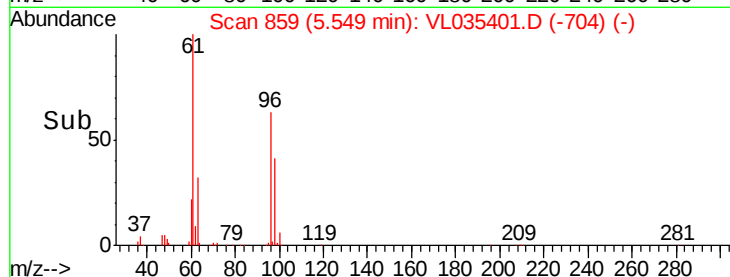
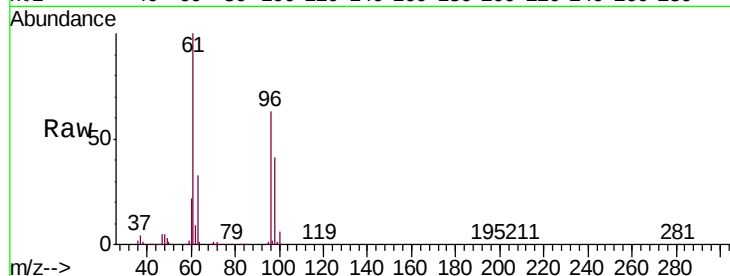
Tgt Ion: 61 Resp: 1491870

Ion Ratio Lower Upper

61 100

96 63.2 50.5 75.7

98 40.9 31.5 47.3



#32

1,1,1-Trichloroethane

Concen: 8.741 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

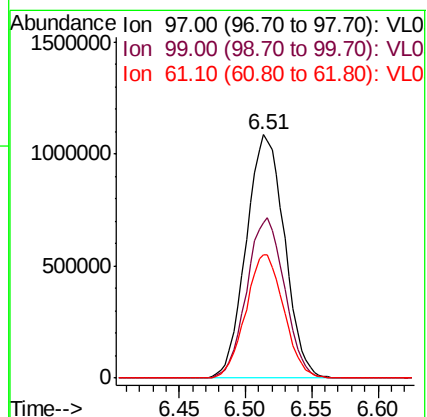
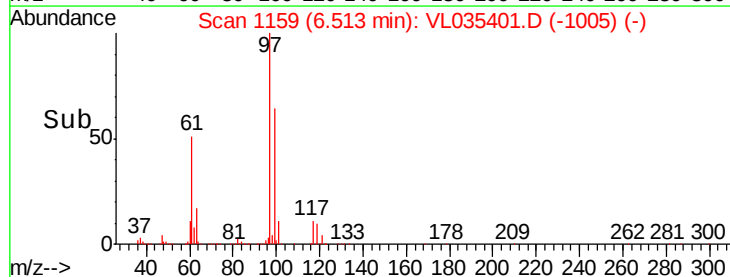
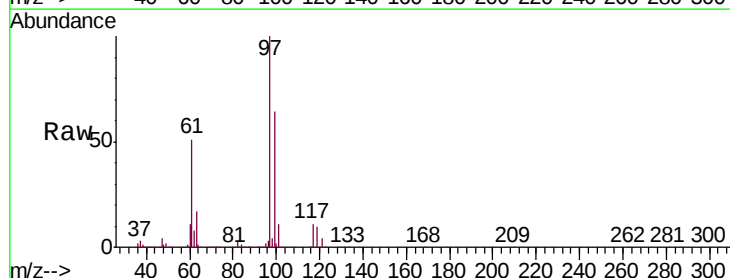
Tgt Ion: 97 Resp: 2183429

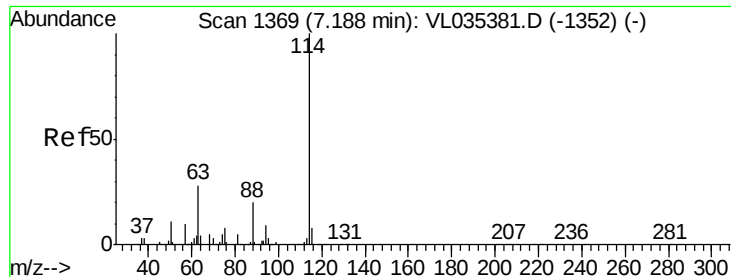
Ion Ratio Lower Upper

97 100

99 64.9 51.8 77.8

61 50.1 39.6 59.4

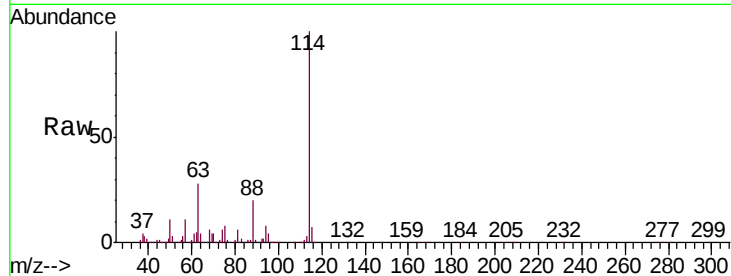




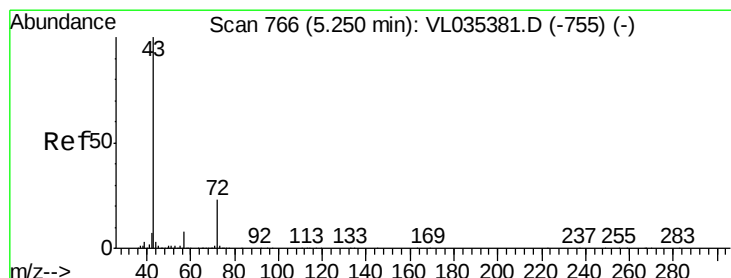
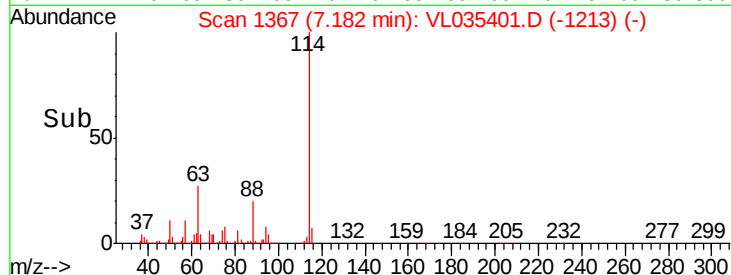
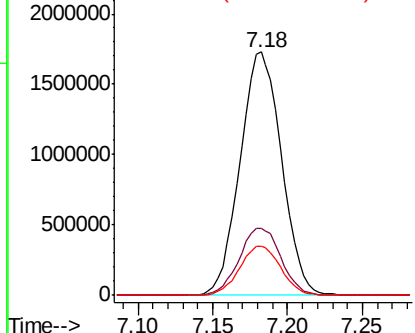
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion:114 Resp: 3332446
 Ion Ratio Lower Upper
 114 100
 63 28.3 21.5 32.3
 88 20.1 15.6 23.4

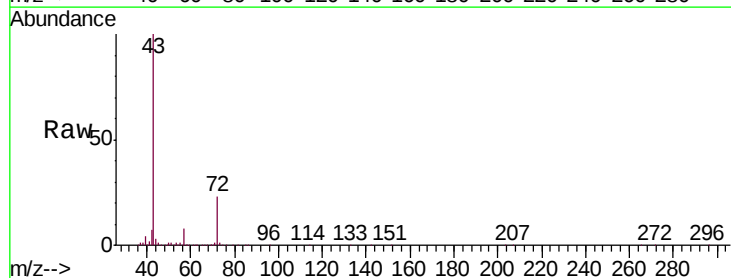


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

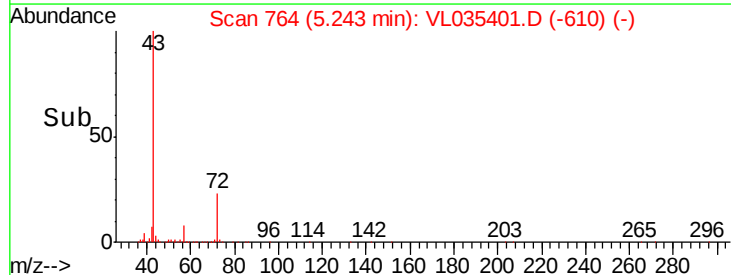
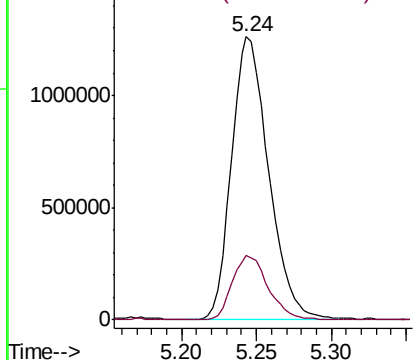


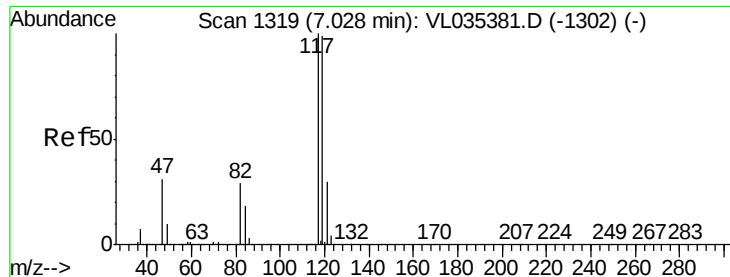
#34
 2-Butanone
 Concen: 9.133 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Tgt Ion: 43 Resp: 2168912
 Ion Ratio Lower Upper
 43 100
 72 22.4 17.7 26.5



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





#35

Carbon Tetrachloride

Concen: 9.304 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

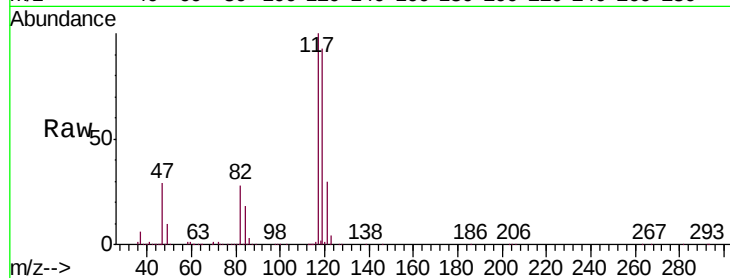
Tgt Ion: 117 Resp: 2155312

Ion Ratio Lower Upper

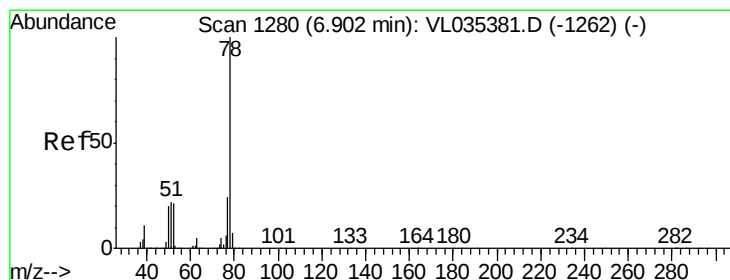
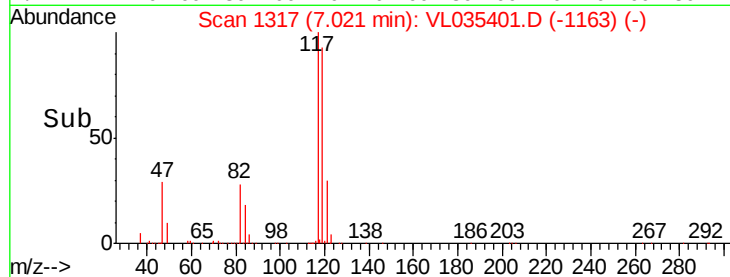
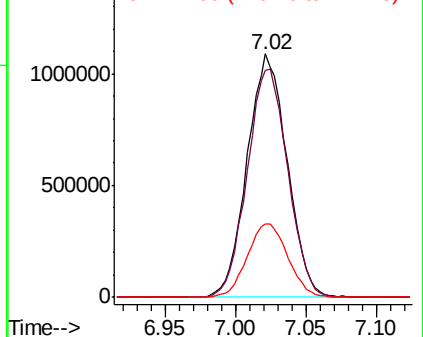
117 100

119 93.3 79.4 119.0

121 30.1 24.3 36.5



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: 9.080 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

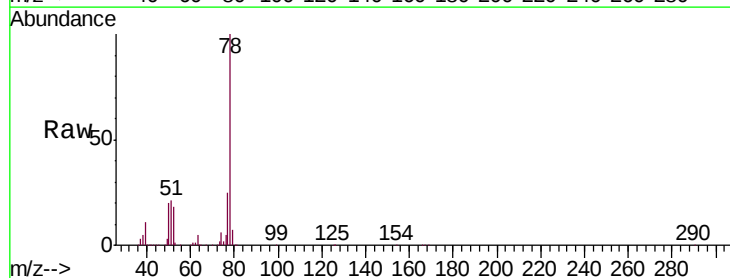
Tgt Ion: 78 Resp: 2901743

Ion Ratio Lower Upper

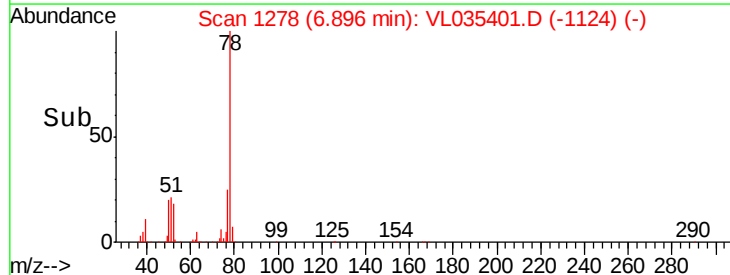
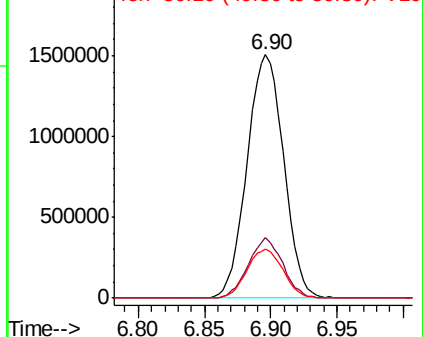
78 100

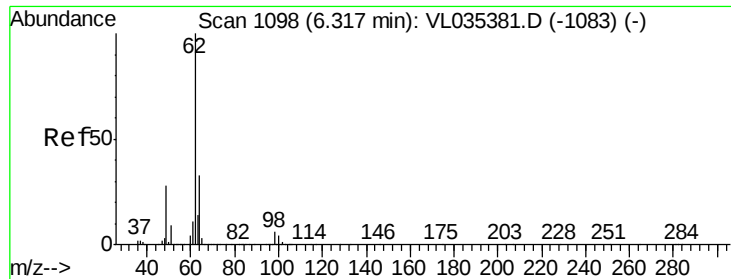
77 24.6 19.1 28.7

50 19.9 15.8 23.6



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

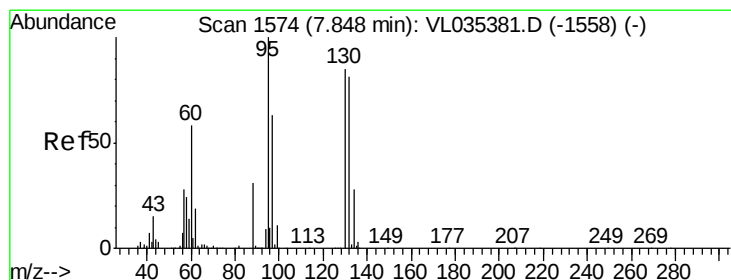
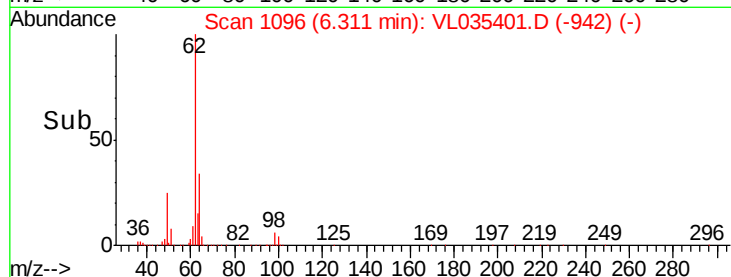
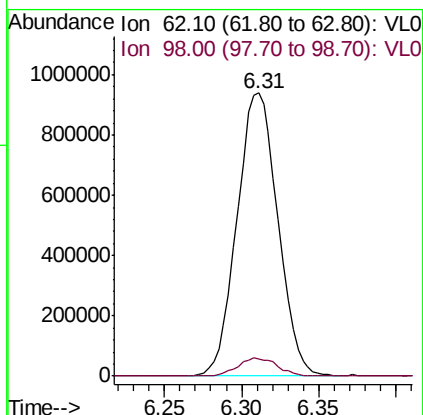
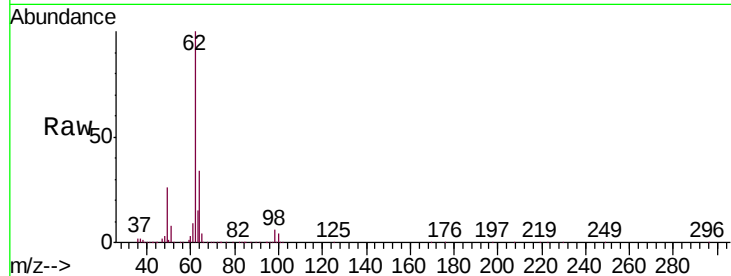




#37
 1,2-Dichloroethane
 Concen: 9.720 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

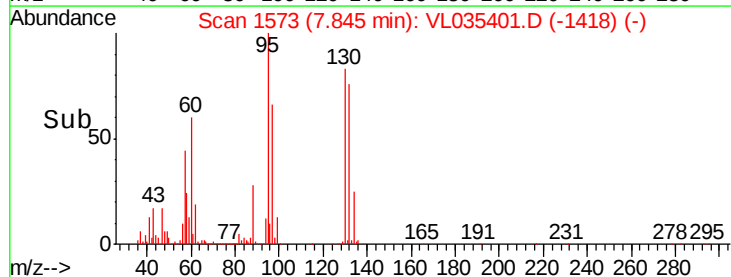
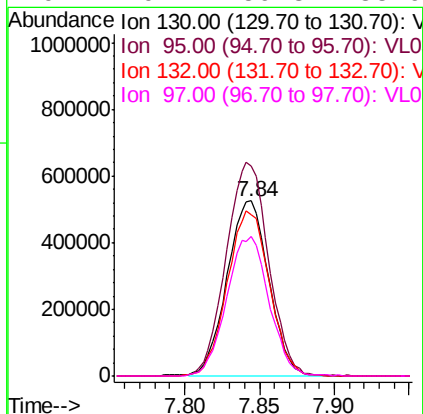
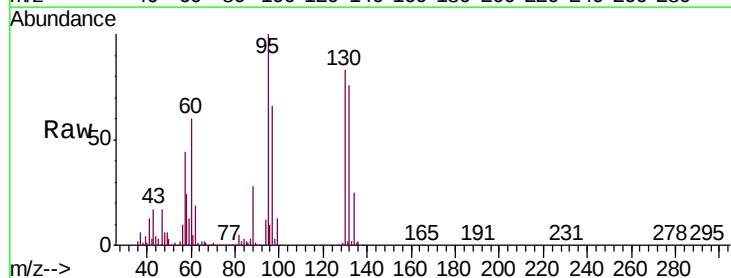
Instrument :
 MSVOA_L
 ClientSampleId :

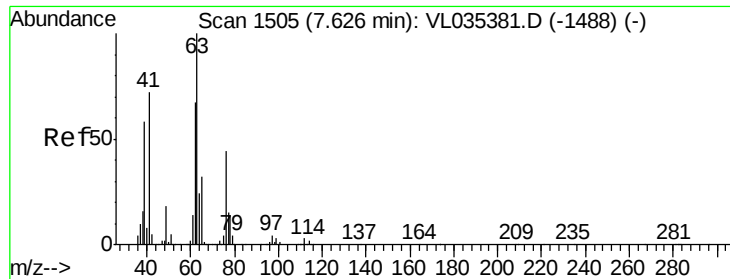
Tgt Ion: 62 Resp: 1724138
 Ion Ratio Lower Upper
 62 100
 98 6.2 5.1 7.7



#38
 Trichloroethene
 Concen: 8.106 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Tgt Ion: 130 Resp: 1015087
 Ion Ratio Lower Upper
 130 100
 95 120.2 94.2 141.4
 132 91.7 76.6 114.8
 97 79.4 59.3 88.9





#39

1,2-Dichloropropane

Concen: 9.155 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

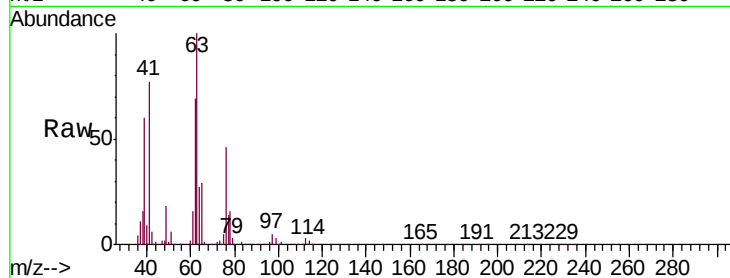
Tgt Ion: 63 Resp: 1158380

Ion Ratio Lower Upper

63 100

41 77.2 57.4 86.2

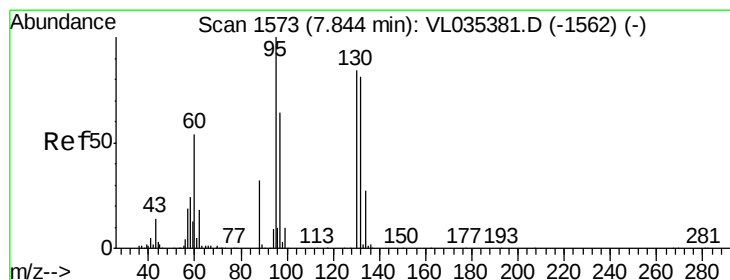
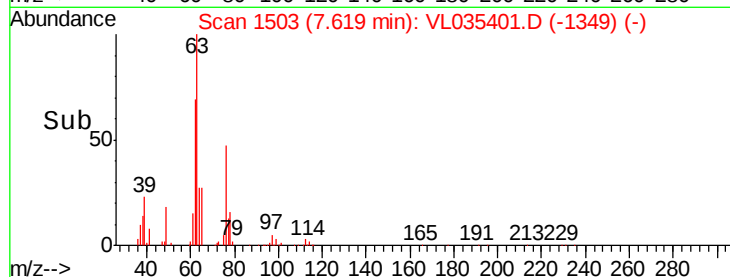
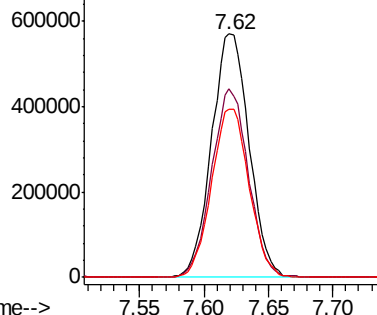
62 69.2 53.6 80.4



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.013 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Tgt Ion: 88 Resp: 464517

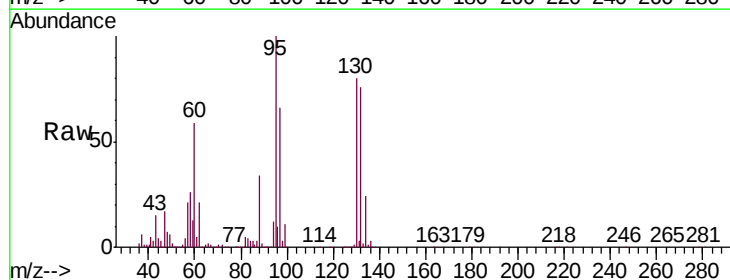
Ion Ratio Lower Upper

88 100

58 128.4 105.0 157.6

43 0.0 204.2 306.2#

57 0.0 855.0 1282.4#

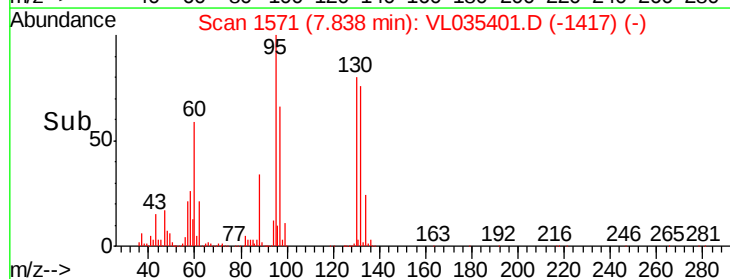
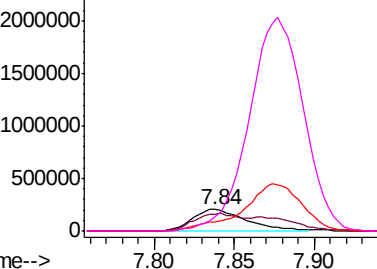


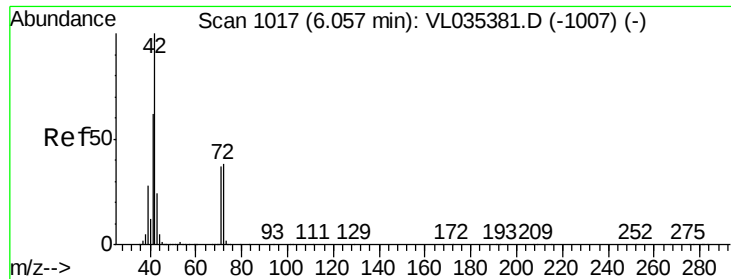
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.021 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

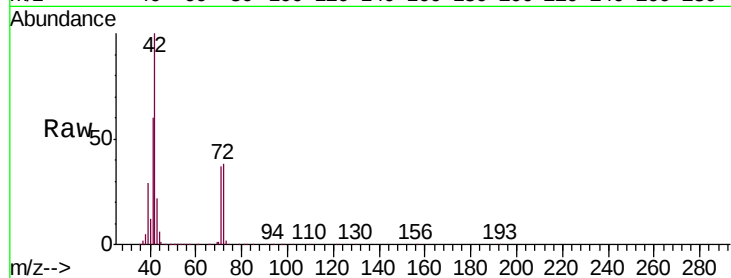
Tgt Ion: 42 Resp: 1278088

Ion Ratio Lower Upper

42 100

72 38.3 30.2 45.2

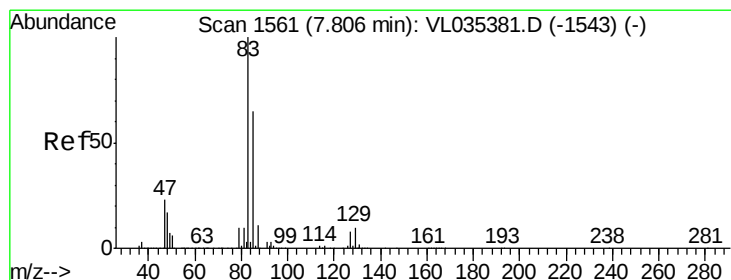
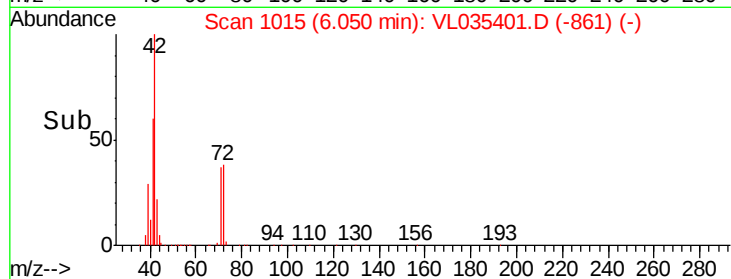
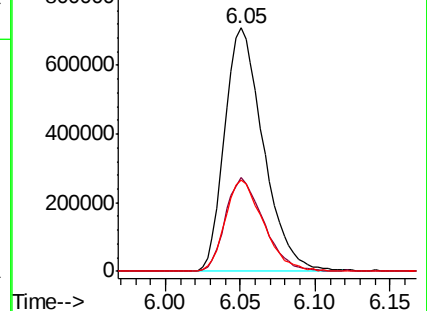
71 37.4 28.6 42.8



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: 9.550 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

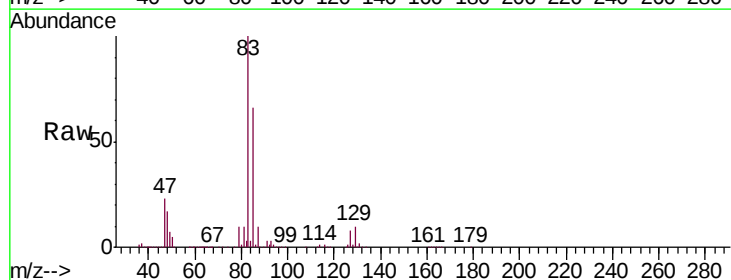
Tgt Ion: 83 Resp: 2386169

Ion Ratio Lower Upper

83 100

85 66.2 52.2 78.4

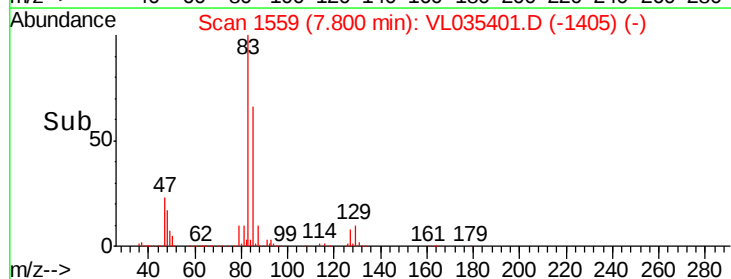
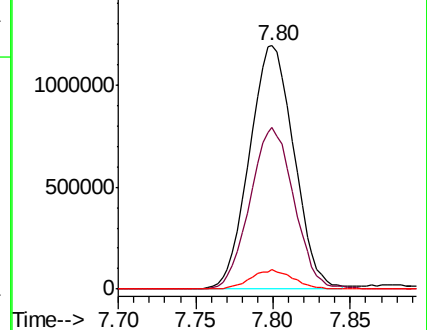
127 7.9 6.3 9.5

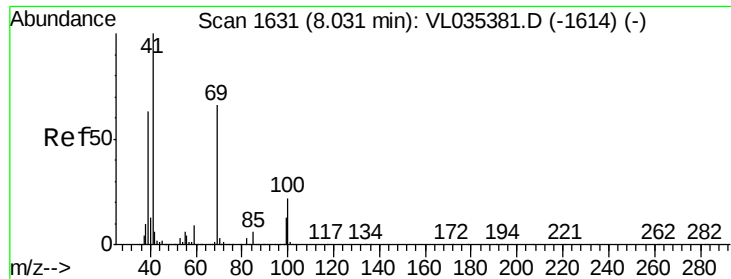


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 9.286 ppbv

RT: 8.02 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

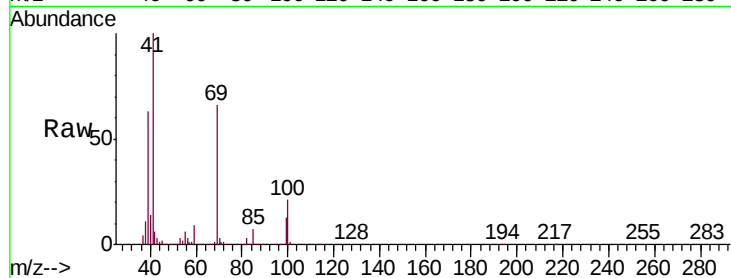
Tgt Ion: 69 Resp: 1316394

Ion Ratio Lower Upper

69 100

41 155.2 123.4 185.2

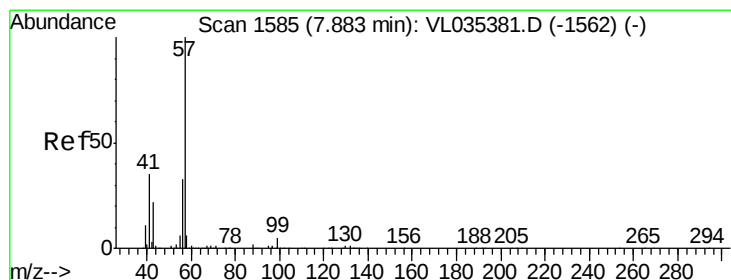
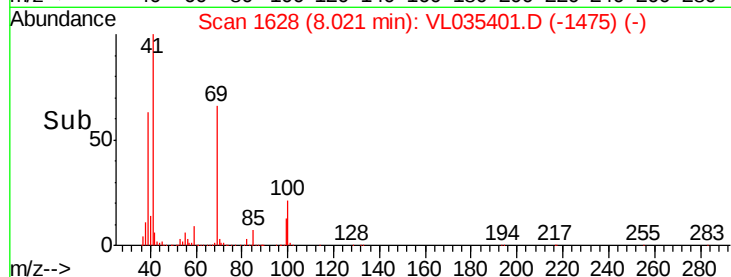
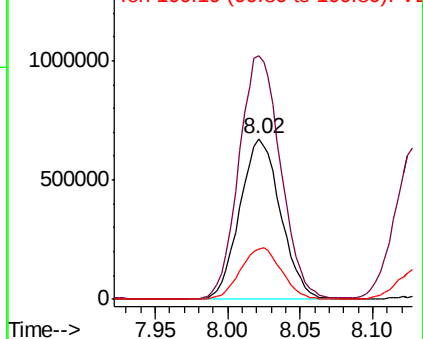
100 32.3 26.7 40.1



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 8.754 ppbv

RT: 7.88 min Scan# 1583

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

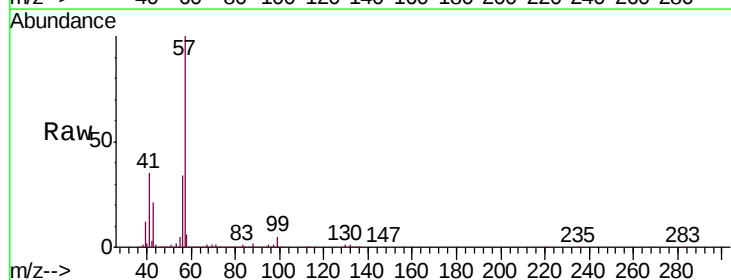
Tgt Ion: 57 Resp: 4812378

Ion Ratio Lower Upper

57 100

41 34.2 26.9 40.3

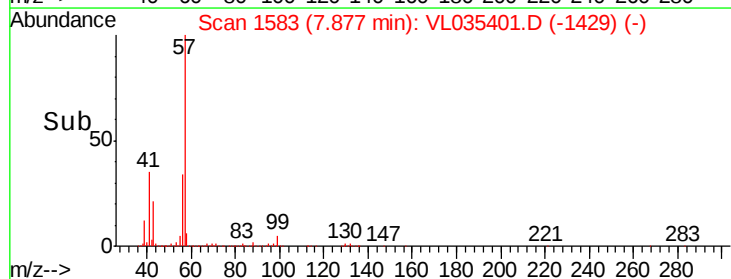
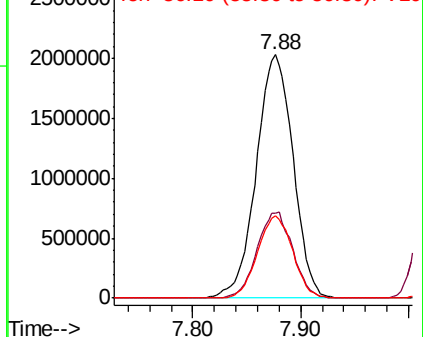
56 32.2 25.6 38.4

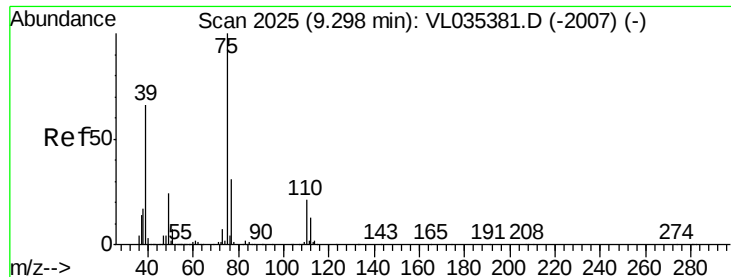


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 9.516 ppbv

RT: 9.29 min Scan# 2022

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

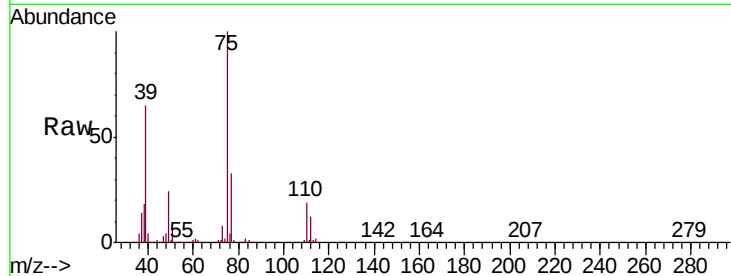
ClientSampleId :

Tgt Ion: 75 Resp: 1565323

Ion Ratio Lower Upper

75 100

77 33.5 25.2 37.8



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

800000

600000

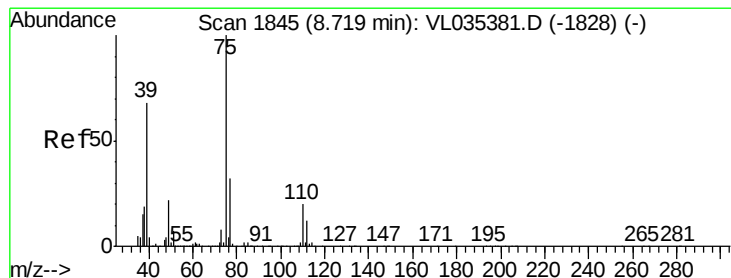
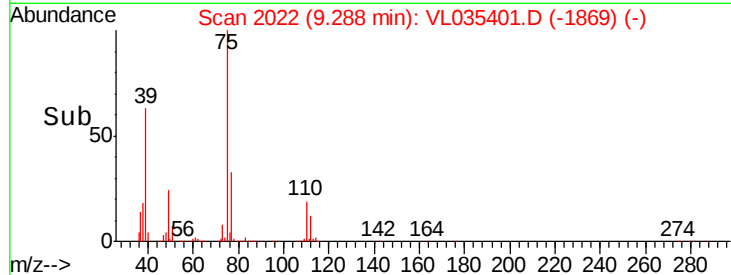
400000

200000

0

9.20 9.25 9.30 9.35 9.40

Time-->



#46

cis-1,3-Dichloropropene

Concen: 9.264 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

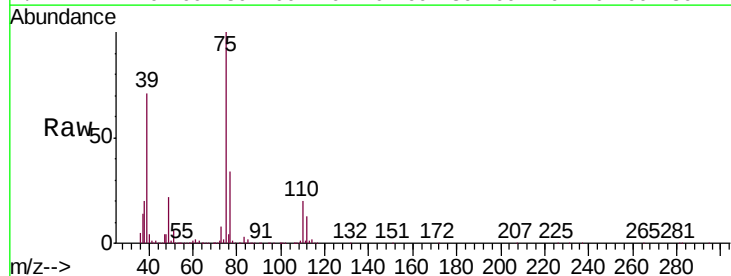
Tgt Ion: 75 Resp: 1779678

Ion Ratio Lower Upper

75 100

39 70.8 54.2 81.2

77 33.4 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

1200000

1000000

800000

600000

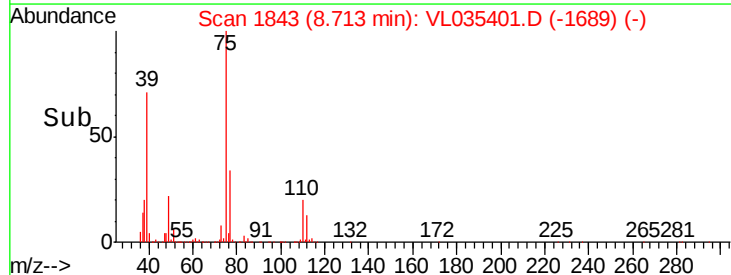
400000

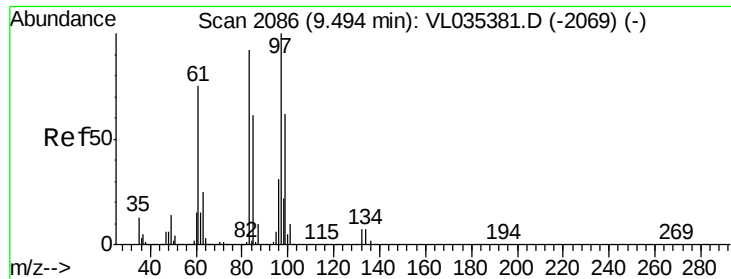
200000

0

8.65 8.70 8.75 8.80

Time-->





#47

1,1,2-Trichloroethane

Concen: 9.318 ppbv

RT: 9.48 min Scan# 2083

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 1195878

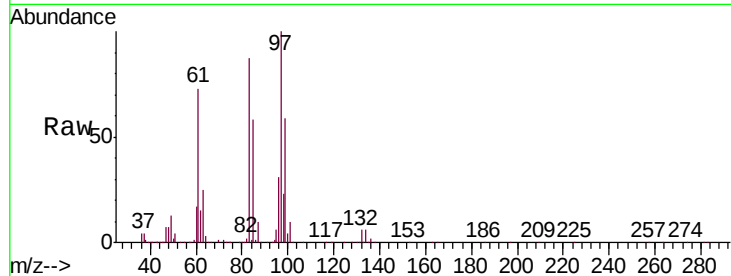
Ion Ratio Lower Upper

97 100

83 86.9 73.9 110.9

85 58.4 49.0 73.6

99 59.4 49.9 74.9

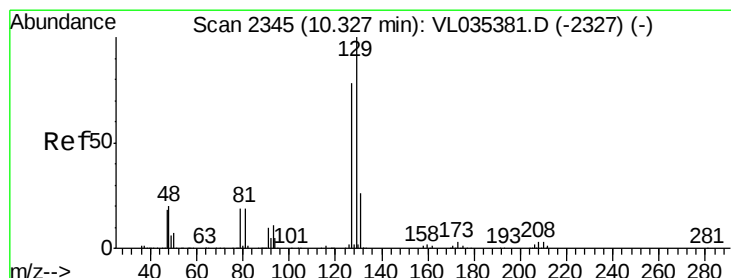
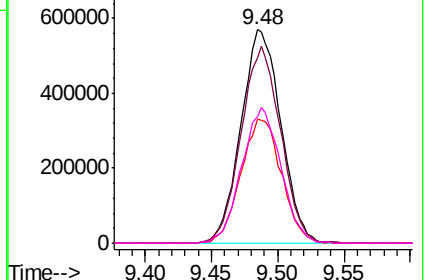
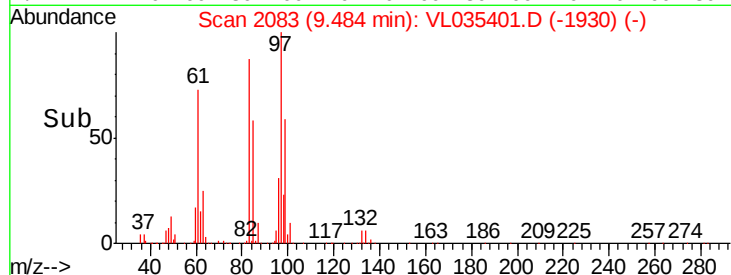


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 9.389 ppbv

RT: 10.32 min Scan# 2342

Delta R.T. -0.01 min

Lab File: VL035401.D

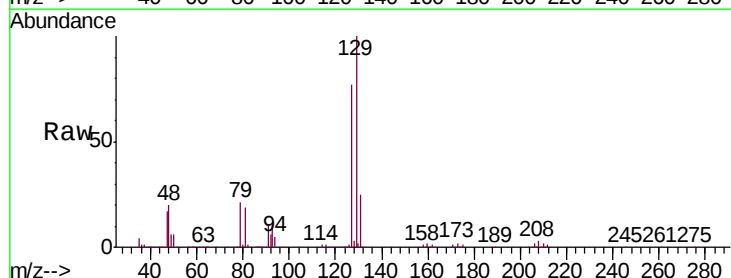
Acq: 13 Aug 2020 11:34

Tgt Ion: 129 Resp: 1925909

Ion Ratio Lower Upper

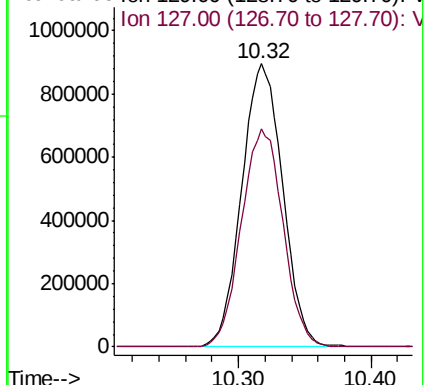
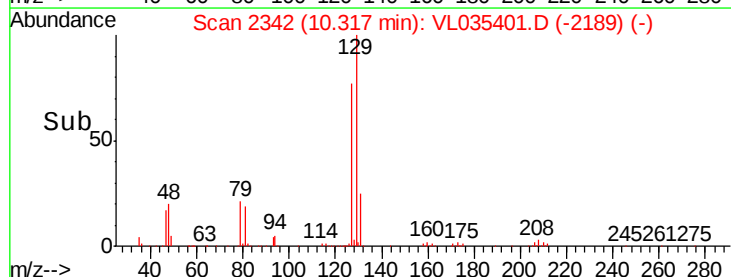
129 100

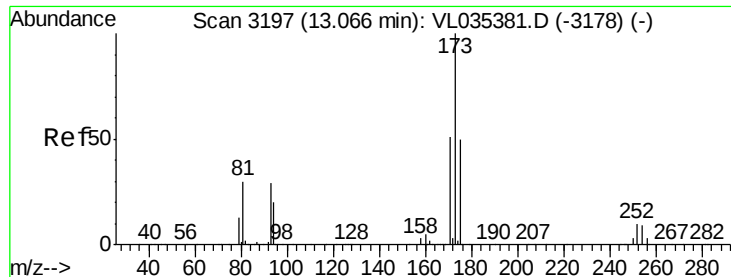
127 78.3 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.457 ppbv

RT: 13.06 min Scan# 3194

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

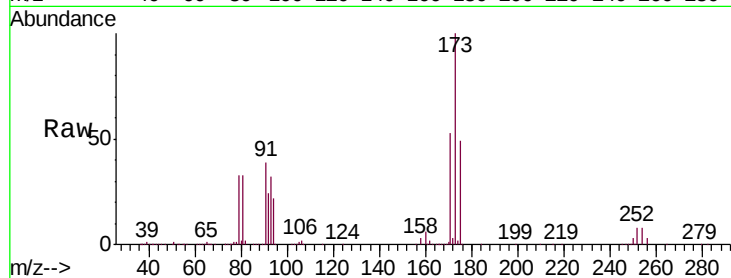
Tgt Ion:173 Resp: 1590378

Ion Ratio Lower Upper

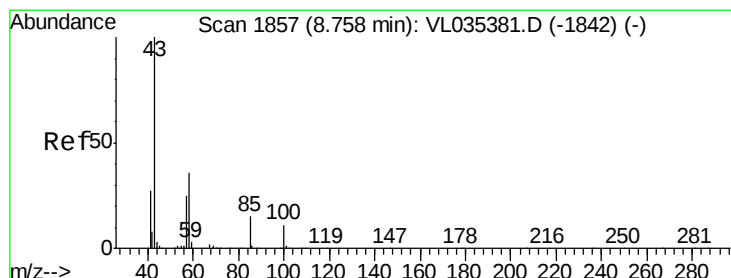
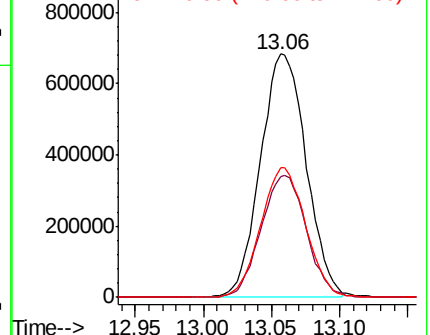
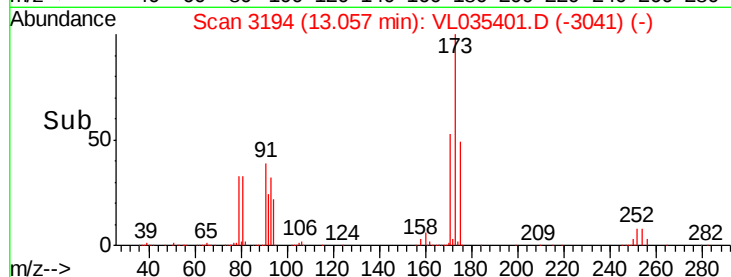
173 100

175 49.7 39.9 59.9

171 52.6 41.8 62.8



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 8.916 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VL035401.D

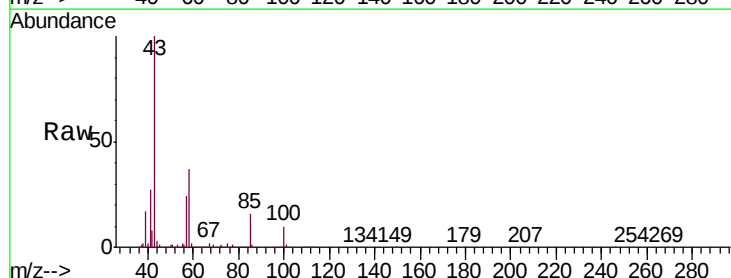
Acq: 13 Aug 2020 11:34

Tgt Ion: 43 Resp: 3191128

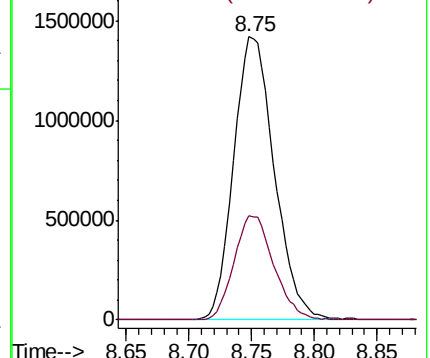
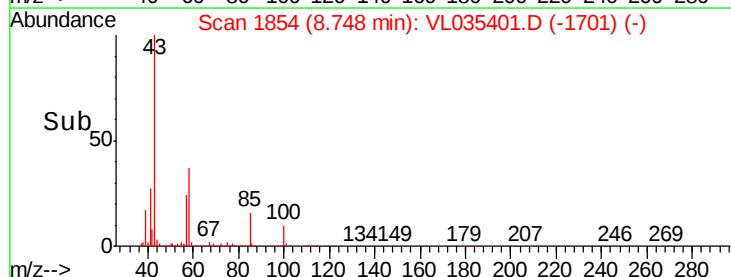
Ion Ratio Lower Upper

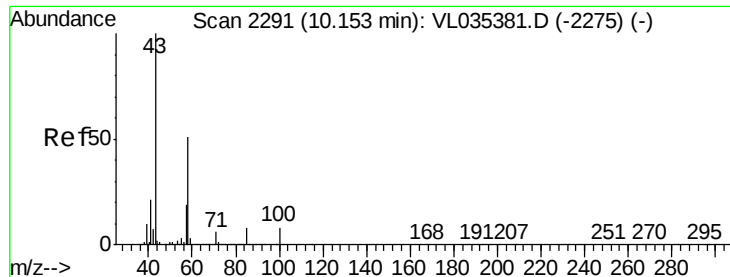
43 100

58 36.2 29.0 43.6



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

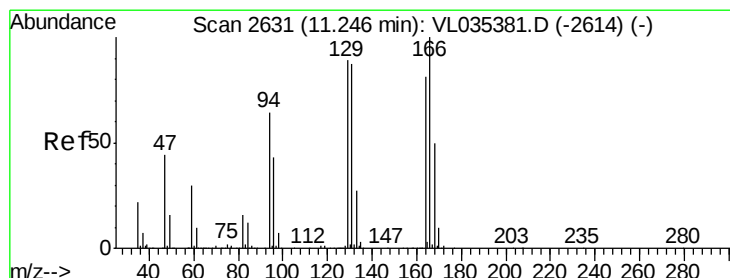
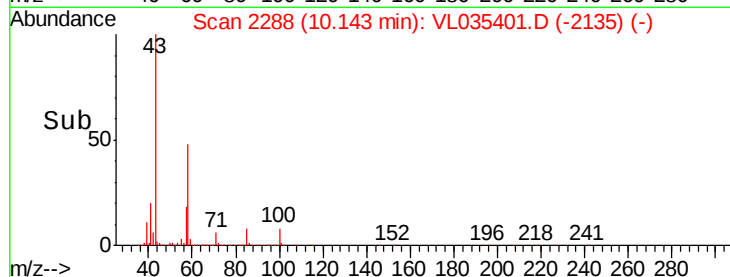
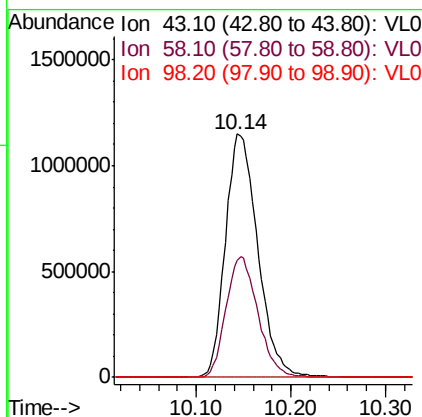
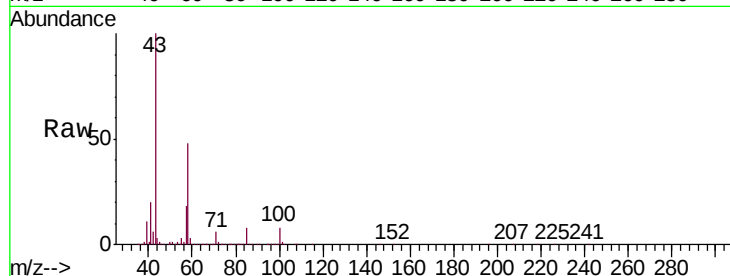




#51
2-Hexanone
Concen: 9.092 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

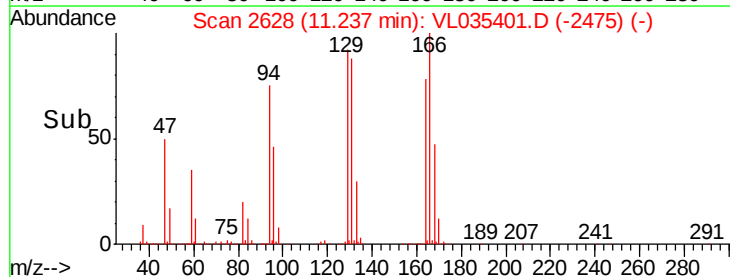
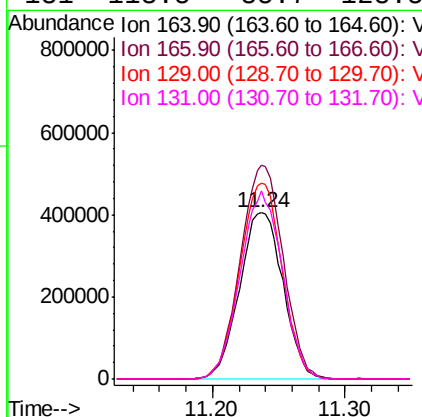
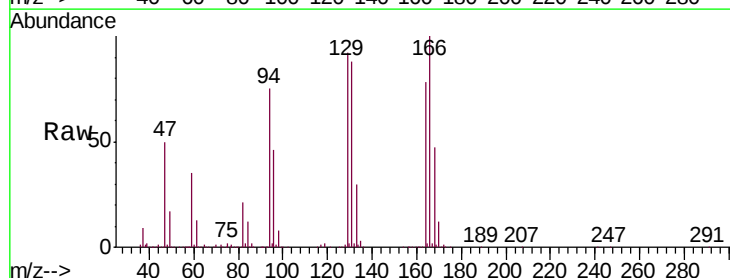
Instrument :
MSVOA_L
ClientSampleId :

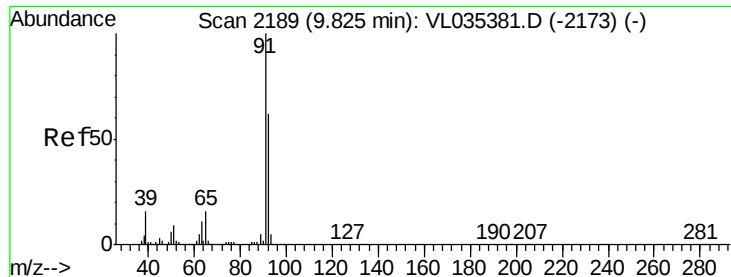
Tgt Ion: 43 Resp: 2739630
Ion Ratio Lower Upper
43 100
58 48.8 39.5 59.3
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 8.123 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 164 Resp: 920456
Ion Ratio Lower Upper
164 100
166 128.7 98.2 147.2
129 118.0 87.3 130.9
131 113.5 85.7 128.5





#53

Toluene

Concen: 8.903 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

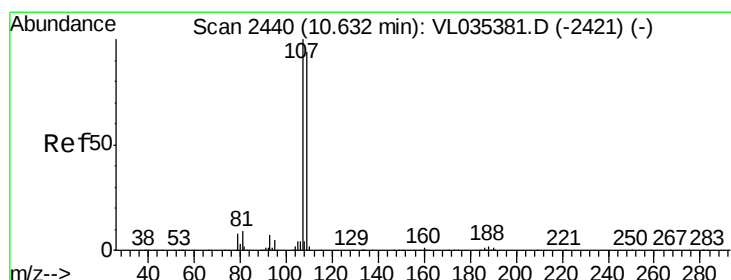
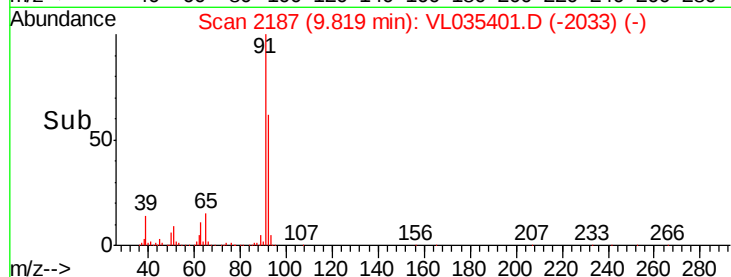
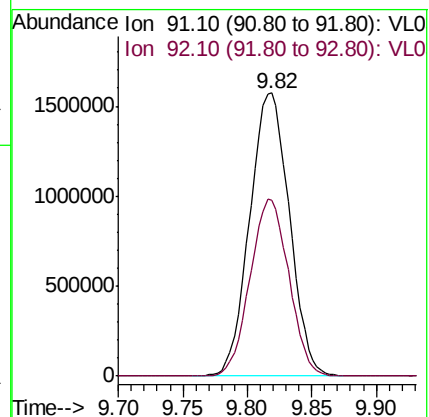
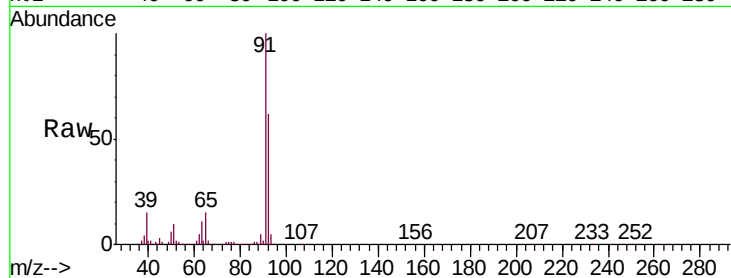
ClientSampleId :

Tgt Ion: 91 Resp: 3377102

Ion Ratio Lower Upper

91 100

92 61.1 49.1 73.7



#54

1,2-Dibromoethane

Concen: 9.148 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.01 min

Lab File: VL035401.D

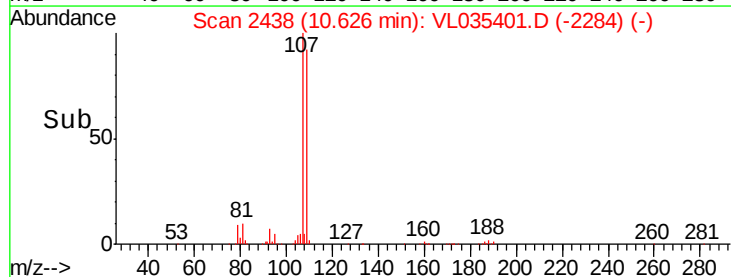
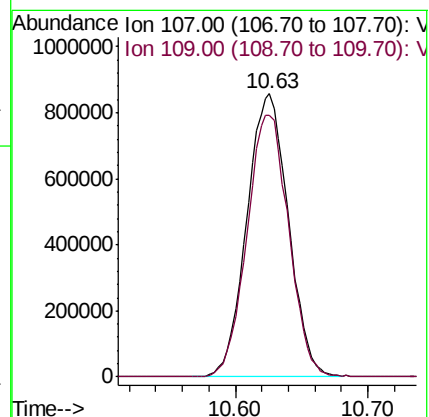
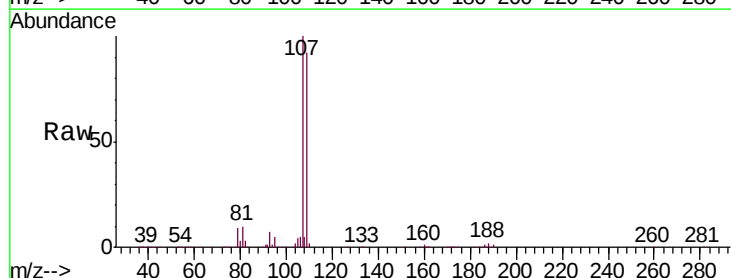
Acq: 13 Aug 2020 11:34

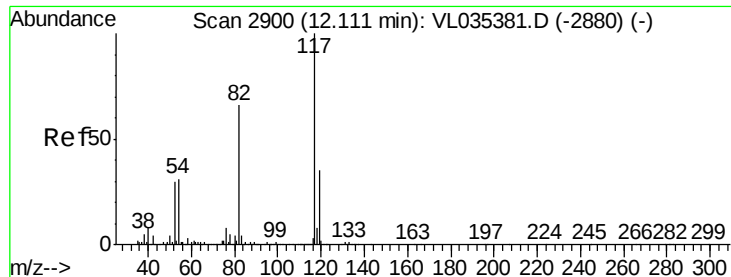
Tgt Ion: 107 Resp: 1859446

Ion Ratio Lower Upper

107 100

109 92.4 75.2 112.8

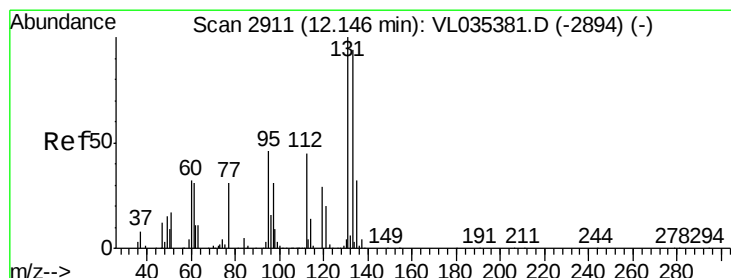
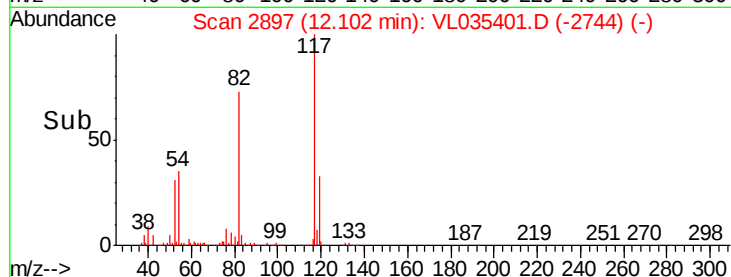
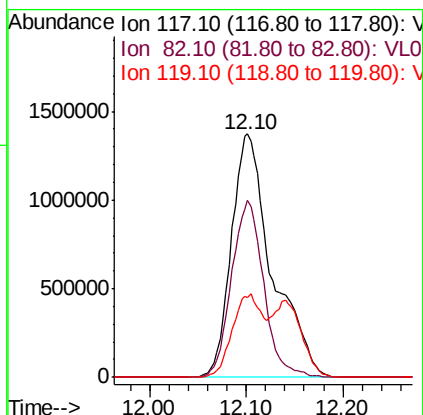
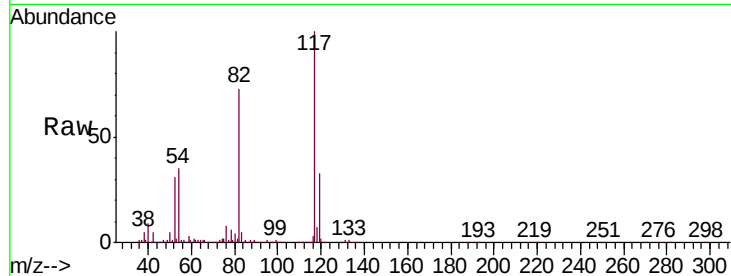




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

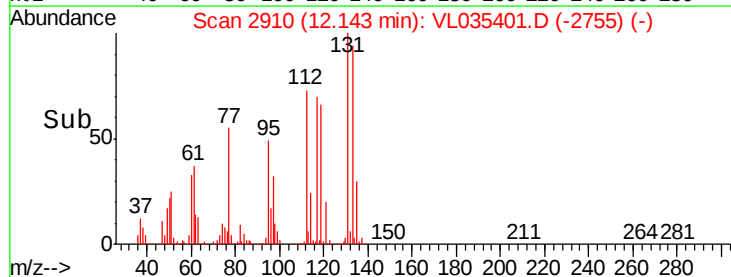
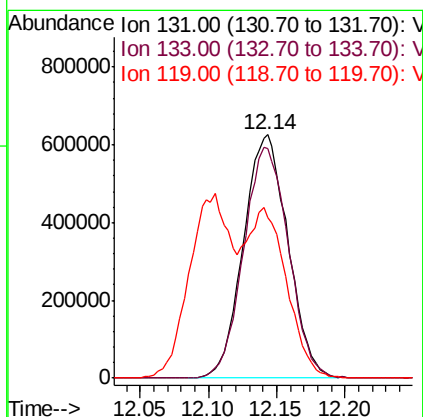
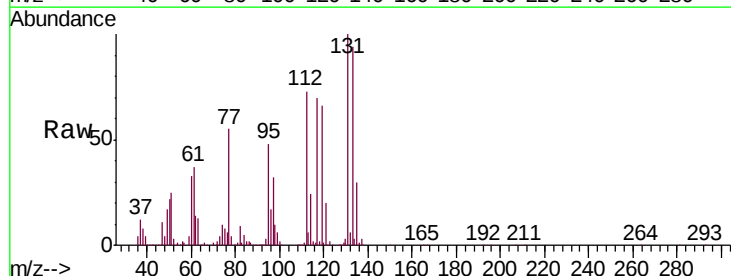
Instrument :
MSVOA_L
ClientSampleId :

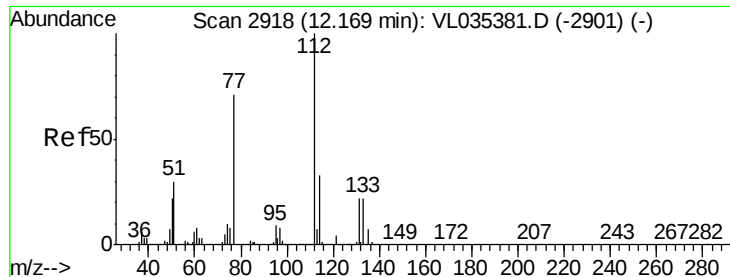
Tgt Ion:117 Resp: 4025755
Ion Ratio Lower Upper
117 100
82 57.4 53.0 79.6
119 25.3 25.7 38.5#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.232 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.00 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion:131 Resp: 1414724
Ion Ratio Lower Upper
131 100
133 96.0 76.1 114.1
119 65.2 47.0 70.4

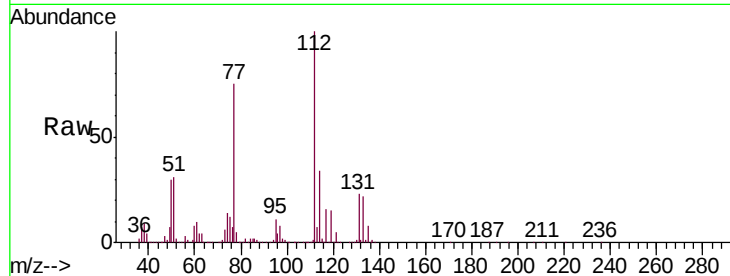




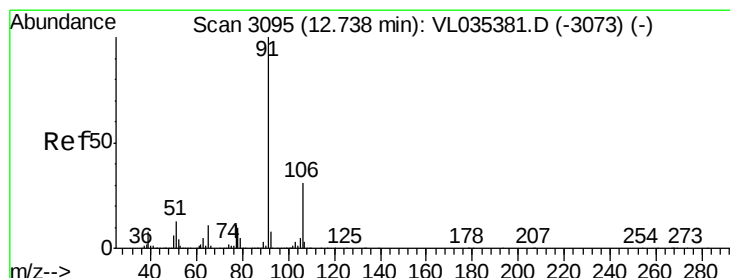
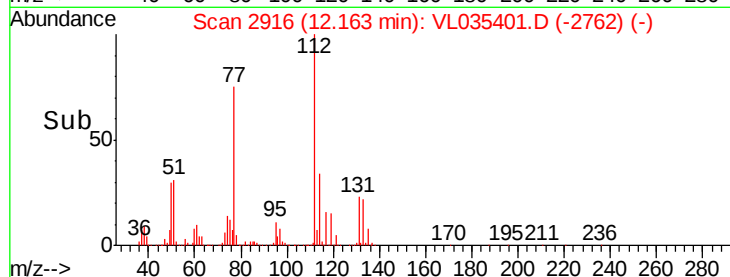
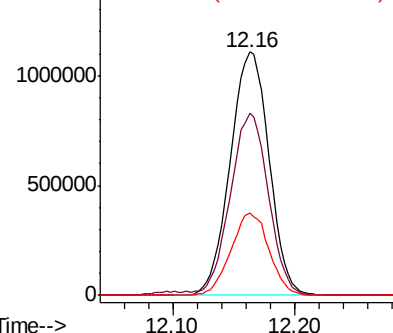
#57
Chlorobenzene
Concen: 7.089 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 112 Resp: 2432989
Ion Ratio Lower Upper
112 100
77 74.8 57.6 86.4
114 33.5 30.0 36.6

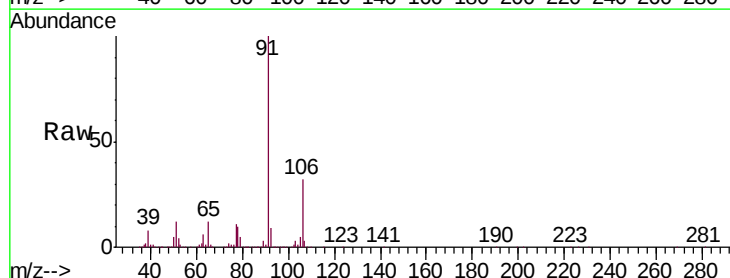


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

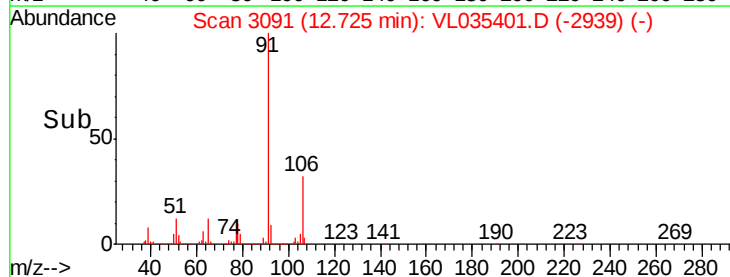
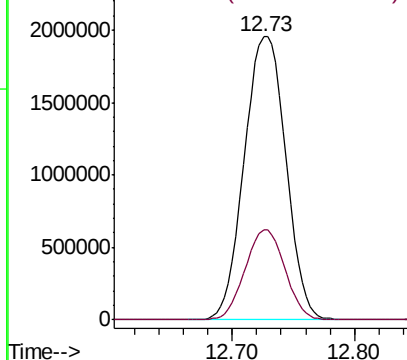


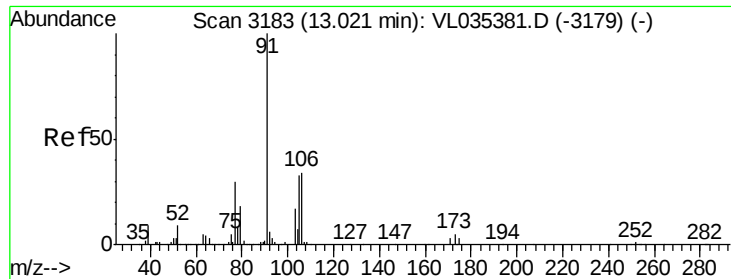
#58
Ethyl Benzene
Concen: 7.240 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 91 Resp: 4606518
Ion Ratio Lower Upper
91 100
106 32.0 25.1 37.7



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

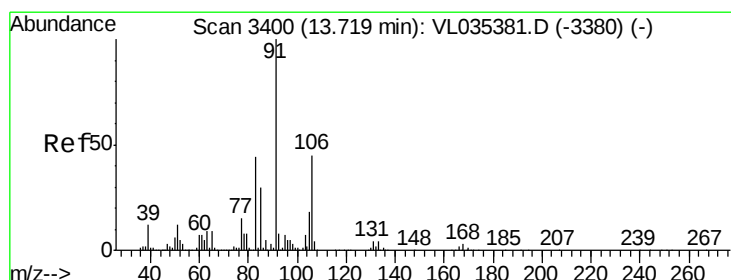
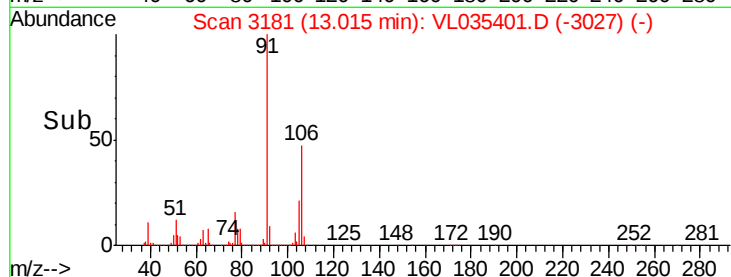
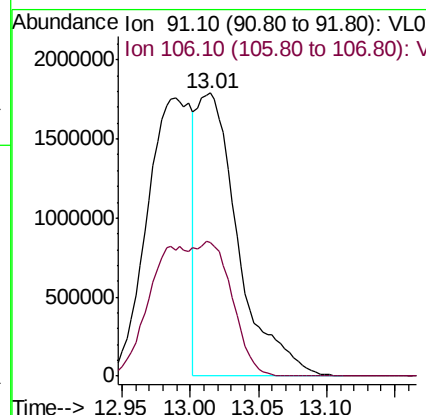
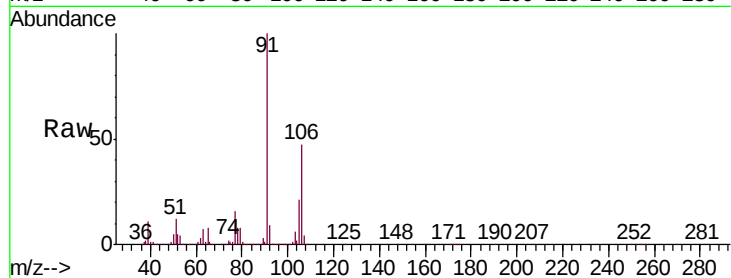




#59
m/p-Xylene
Concen: 7.048 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

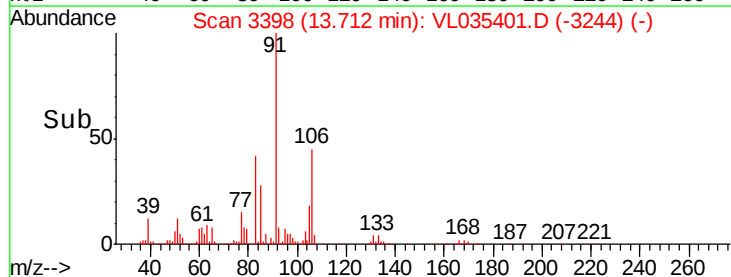
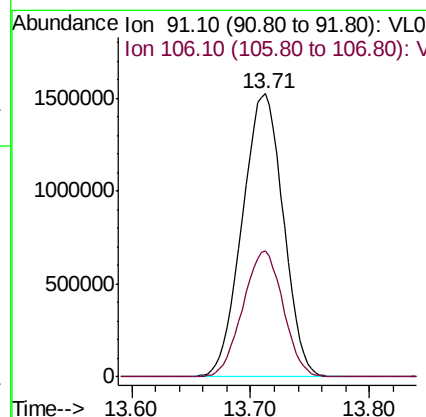
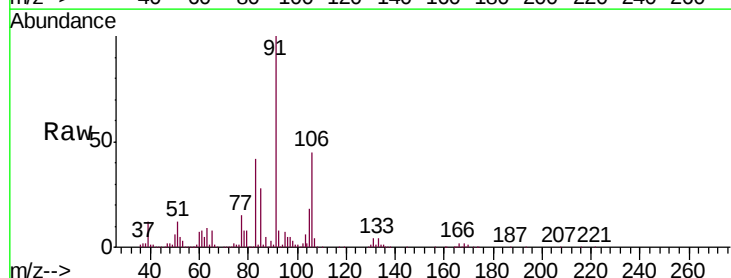
Instrument :
MSVOA_L
ClientSampleId :

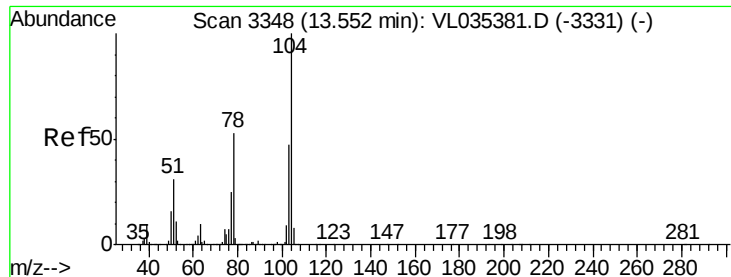
Tgt Ion: 91 Resp: 3739564
Ion Ratio Lower Upper
91 100
106 90.0 36.7 55.1#



#60
o-Xylene
Concen: 7.074 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 91 Resp: 3634692
Ion Ratio Lower Upper
91 100
106 43.7 22.2 66.6

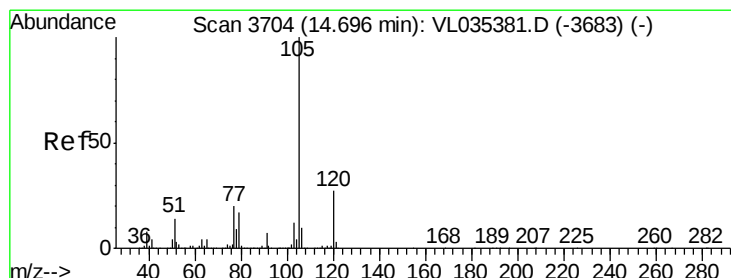
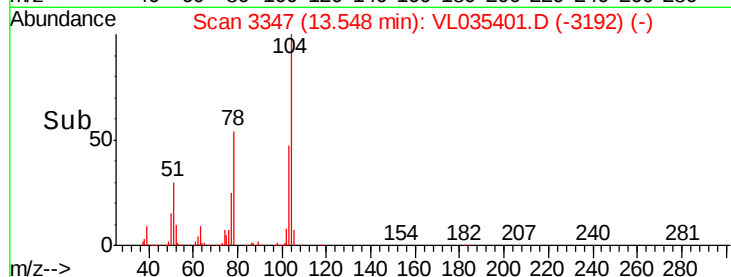
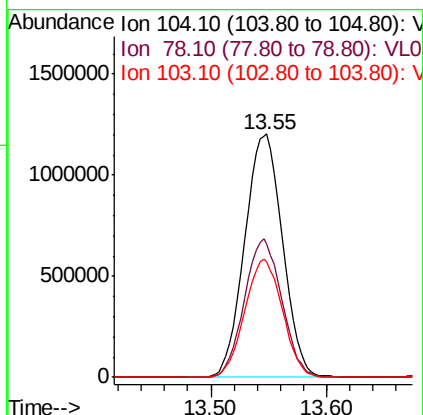
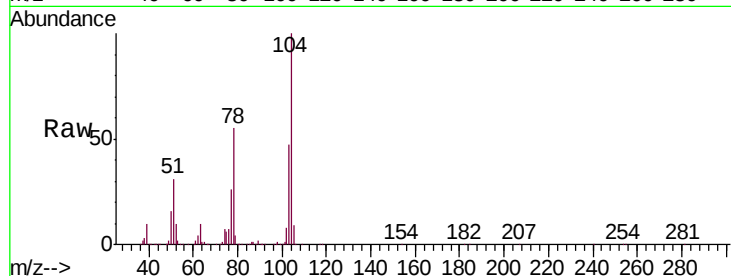




#61
 Styrene
 Concen: 7.210 ppbv
 RT: 13.55 min Scan# 3347
 Delta R.T. -0.00 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

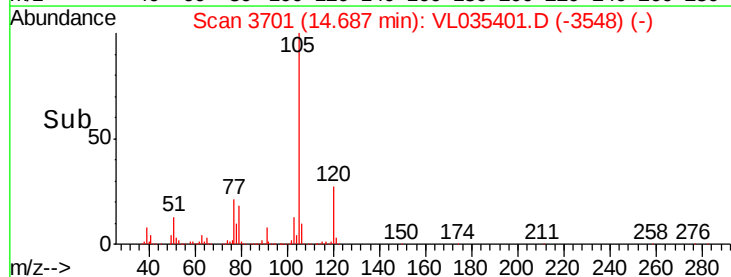
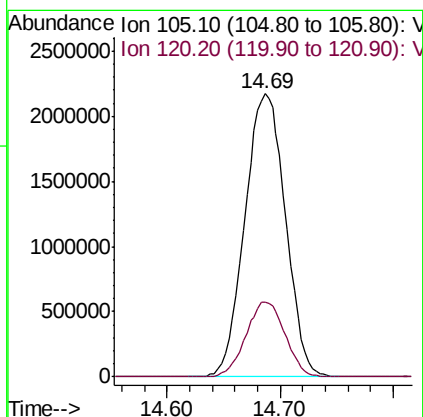
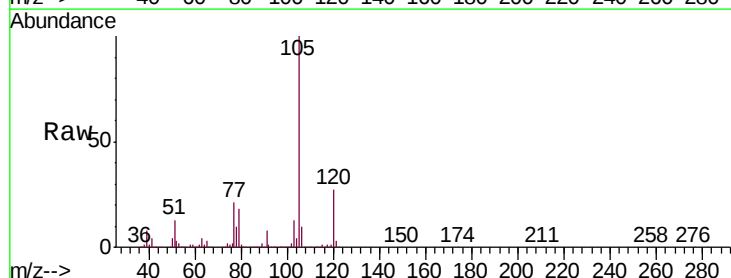
Instrument :
 MSVOA_L
 ClientSampleId :

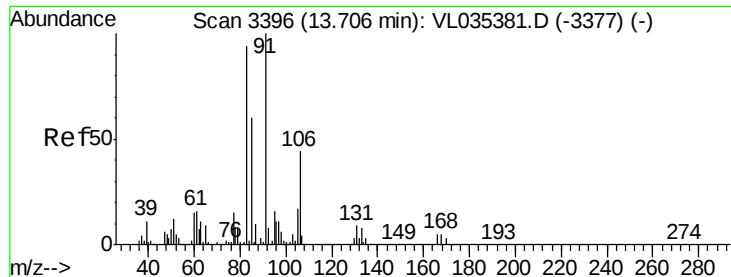
Tgt Ion:104 Resp: 2734882
 Ion Ratio Lower Upper
 104 100
 78 56.4 43.0 64.4
 103 48.3 37.9 56.9



#62
 Isopropylbenzene
 Concen: 7.029 ppbv
 RT: 14.69 min Scan# 3701
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Tgt Ion:105 Resp: 5417000
 Ion Ratio Lower Upper
 105 100
 120 25.6 21.1 31.7





#63

1,1,2,2-Tetrachloroethane

Concen: 6.955 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

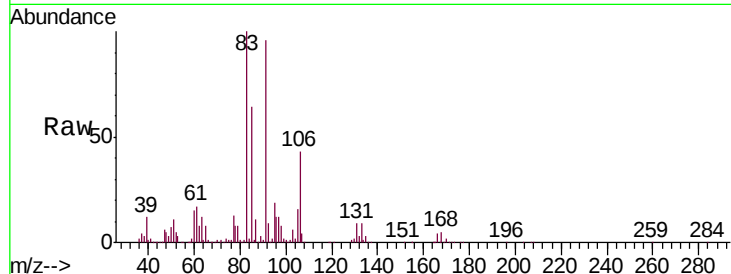
Tgt Ion: 83 Resp: 2606681

Ion Ratio Lower Upper

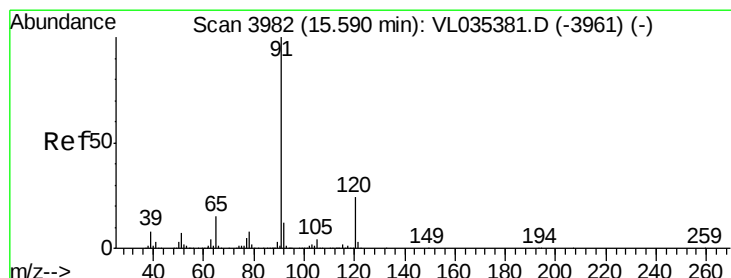
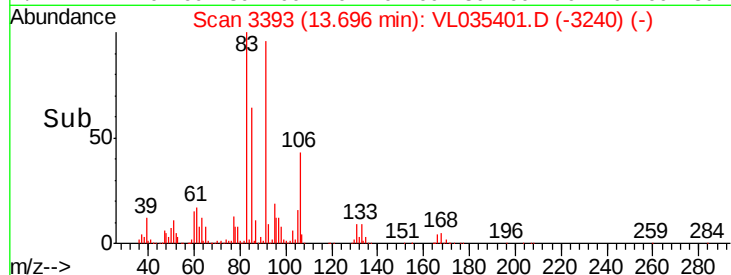
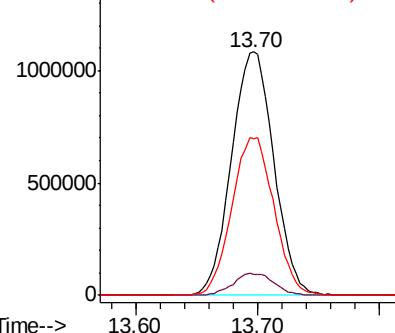
83 100

131 8.8 4.5 13.7

85 64.6 32.4 97.0



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.138 ppbv

RT: 15.58 min Scan# 3979

Delta R.T. -0.01 min

Lab File: VL035401.D

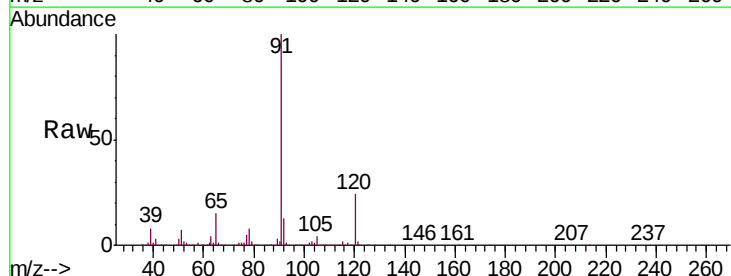
Acq: 13 Aug 2020 11:34

Tgt Ion: 120 Resp: 1451286

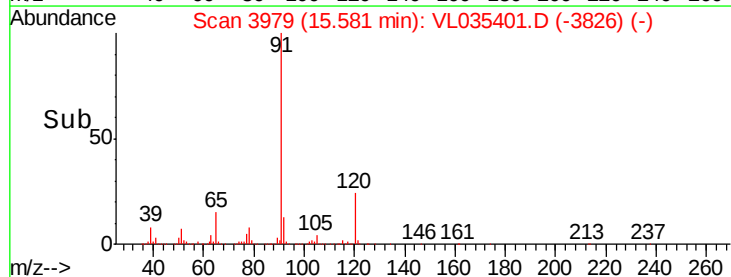
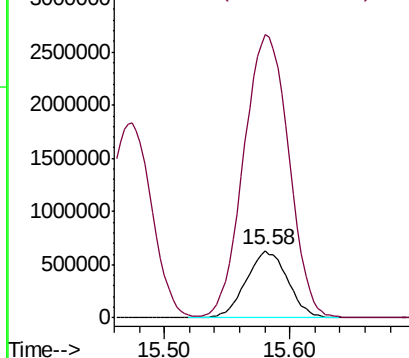
Ion Ratio Lower Upper

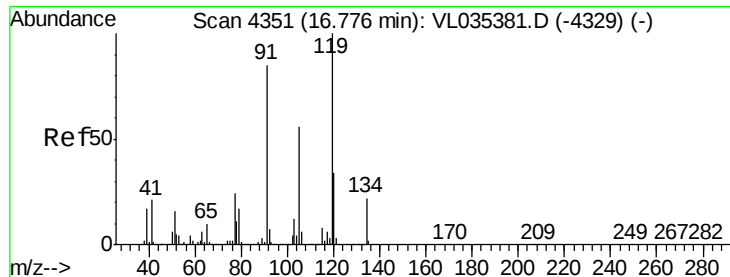
120 100

91 460.7 356.2 534.4



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0

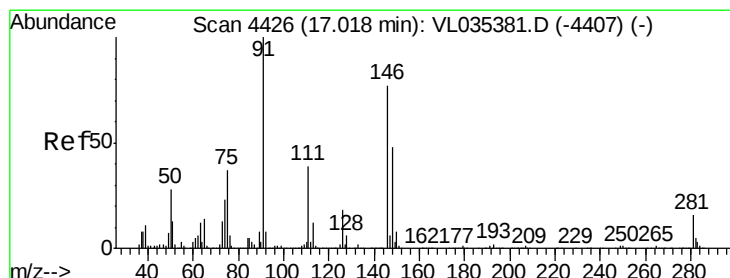
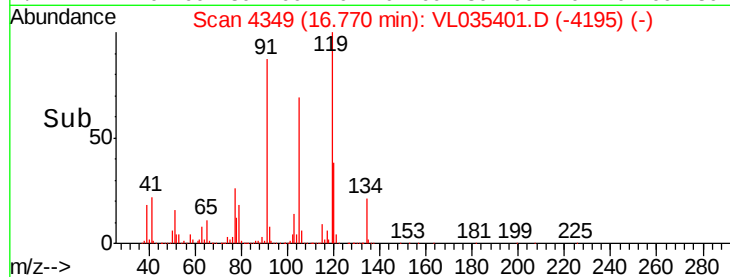
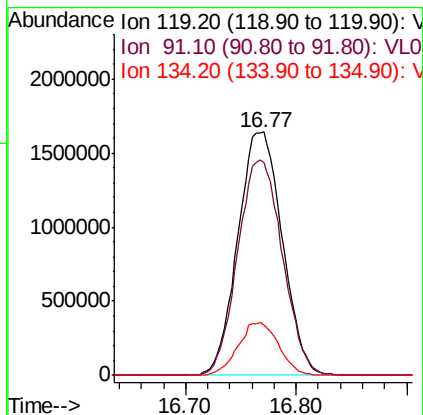
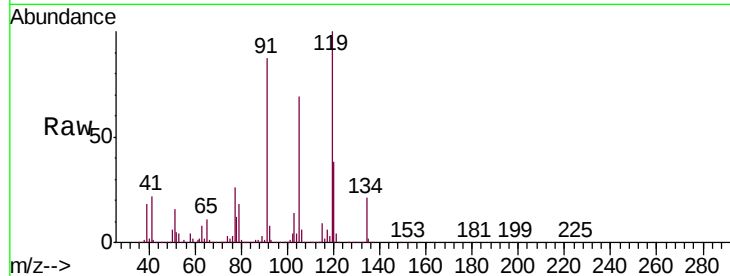




#65
tert-Butylbenzene
Concen: 6.761 ppbv
RT: 16.77 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

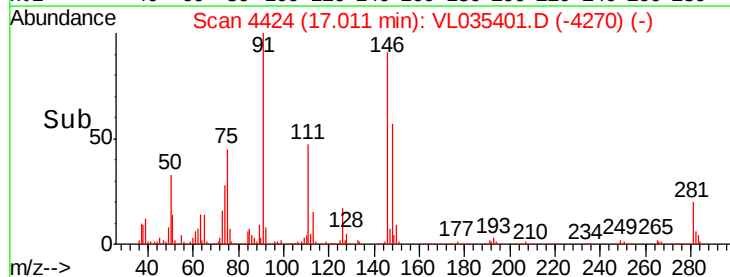
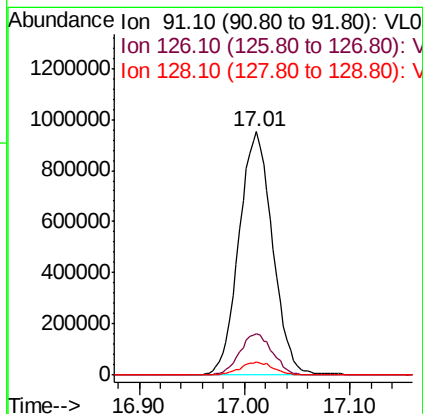
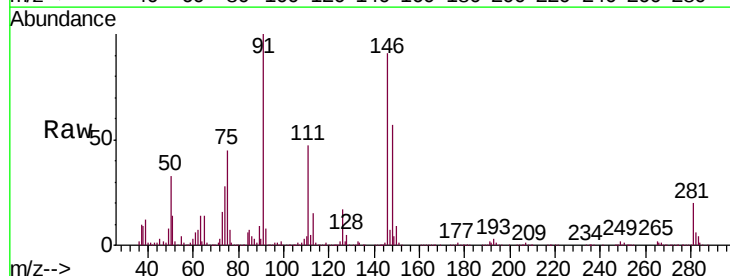
Instrument :
MSVOA_L
ClientSampleId :

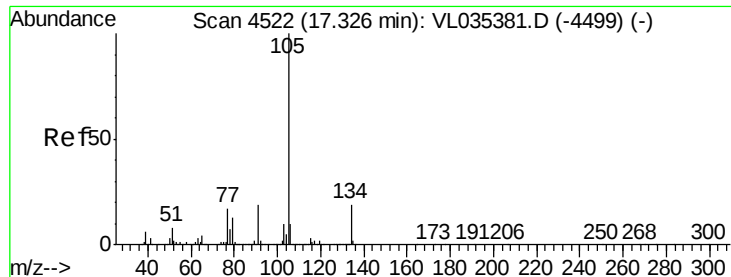
Tgt Ion: 119 Resp: 4586998
Ion Ratio Lower Upper
119 100
91 89.3 68.2 102.4
134 20.0 16.2 24.4



#66
Benzyl Chloride
Concen: 6.856 ppbv
RT: 17.01 min Scan# 4424
Delta R.T. -0.01 min
Lab File: VL035401.D
Acq: 13 Aug 2020 11:34

Tgt Ion: 91 Resp: 2100926
Ion Ratio Lower Upper
91 100
126 16.8 14.4 21.6
128 5.3 4.6 7.0

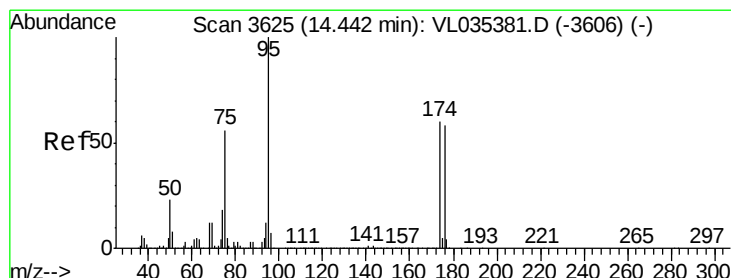
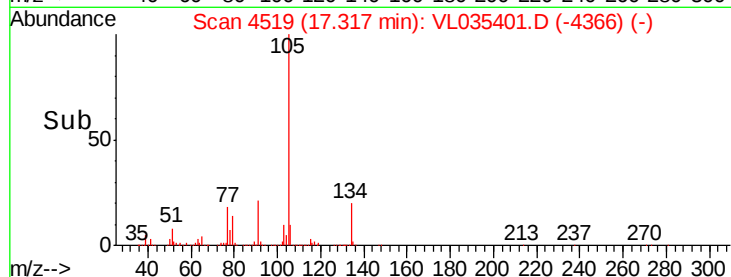
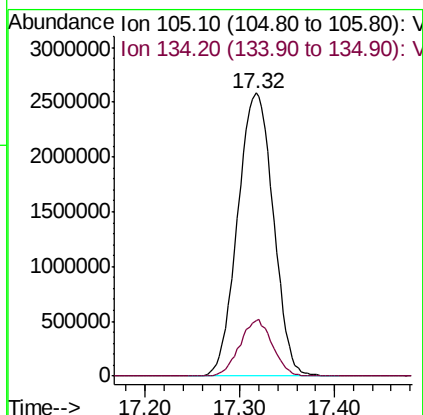
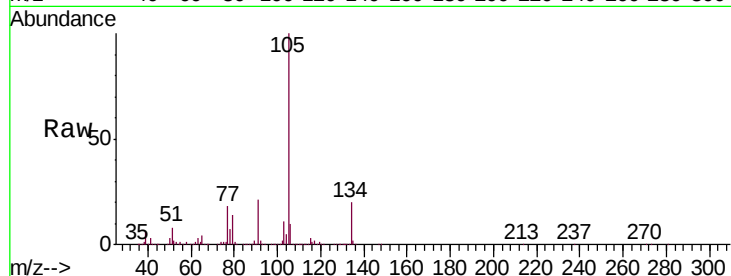




#67
 sec-Butylbenzene
 Concen: 6.918 ppbv
 RT: 17.32 min Scan# 4519
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

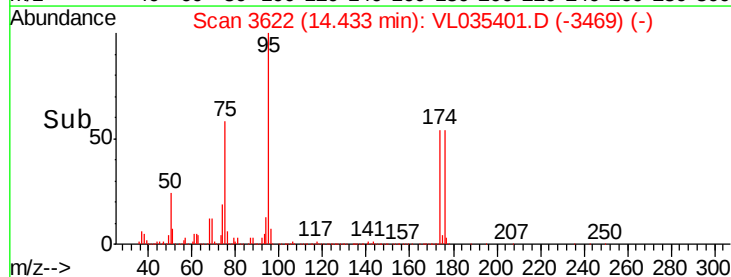
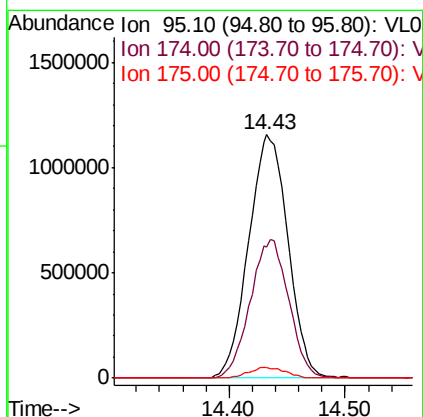
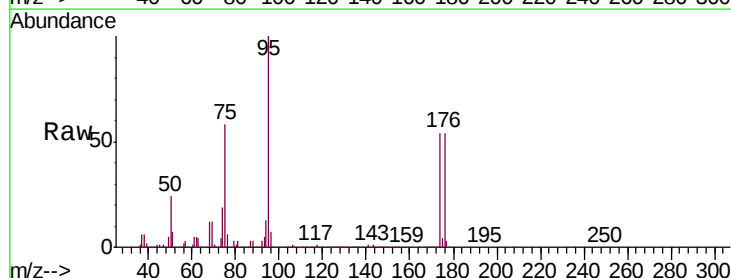
Instrument :
 MSVOA_L
 ClientSampled :

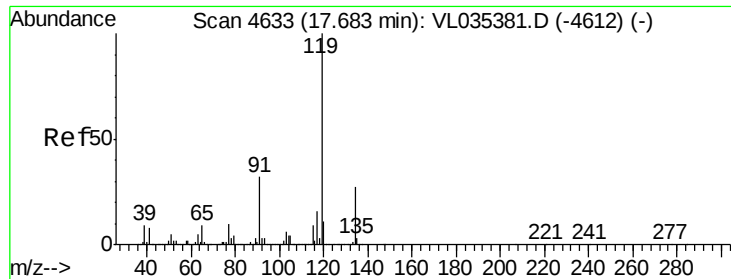
Tgt Ion: 105 Resp: 6766346
 Ion Ratio Lower Upper
 105 100
 134 18.3 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.382 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Tgt Ion: 95 Resp: 2724657
 Ion Ratio Lower Upper
 95 100
 174 55.8 48.2 72.2
 175 4.2 3.7 5.5

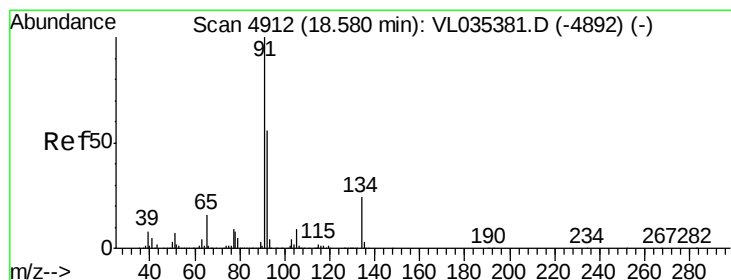
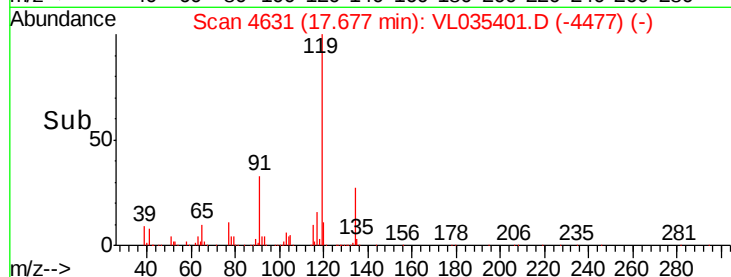
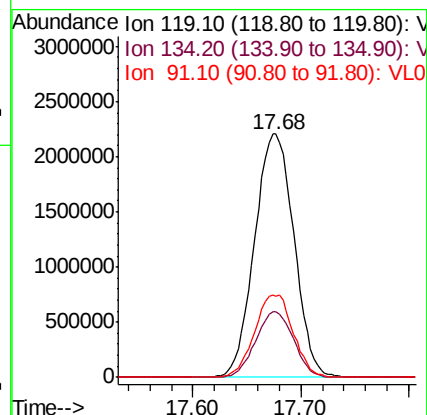
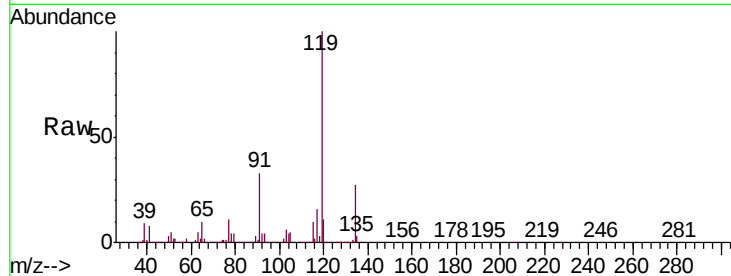




#69
 p-Isopropyltoluene
 Concen: 6.853 ppbv
 RT: 17.68 min Scan# 4631
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

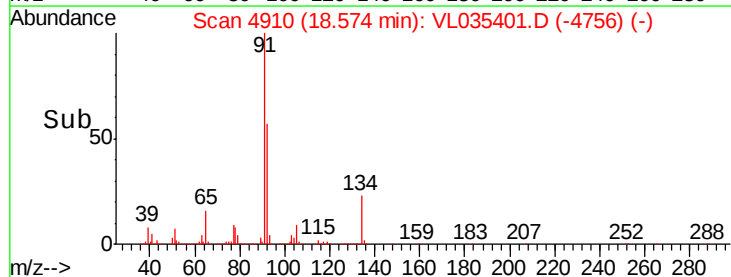
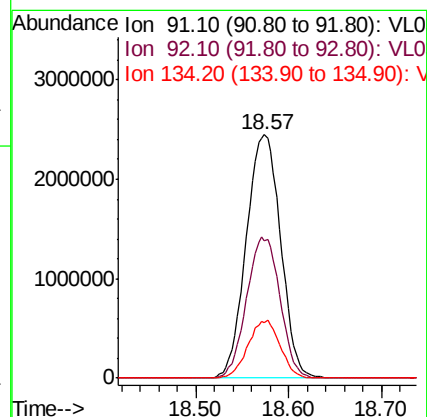
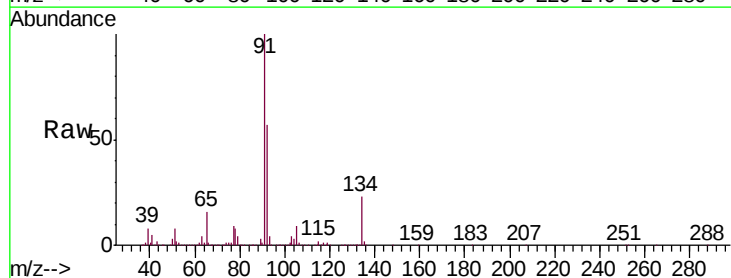
Instrument :
 MSVOA_L
 ClientSampled :

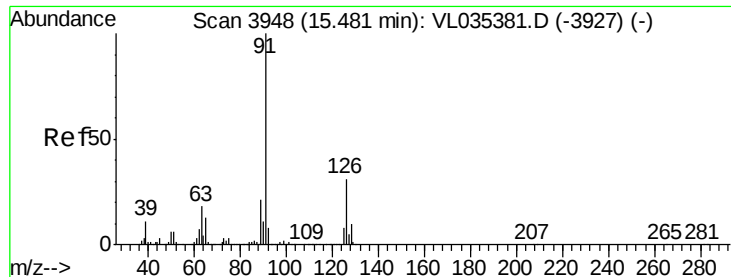
Tgt Ion: 119 Resp: 5586996
 Ion Ratio Lower Upper
 119 100
 134 26.0 20.9 31.3
 91 33.5 25.3 37.9



#70
 n-Butylbenzene
 Concen: 6.981 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Tgt Ion: 91 Resp: 6301190
 Ion Ratio Lower Upper
 91 100
 92 56.4 45.0 67.6
 134 22.2 18.8 28.2





#71

2-Chlorotoluene

Concen: 7.191 ppbv

RT: 15.47 min Scan# 3946

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

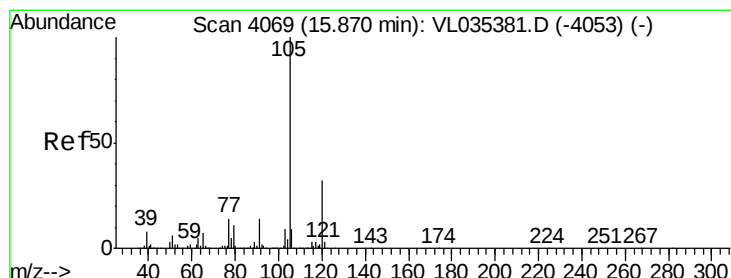
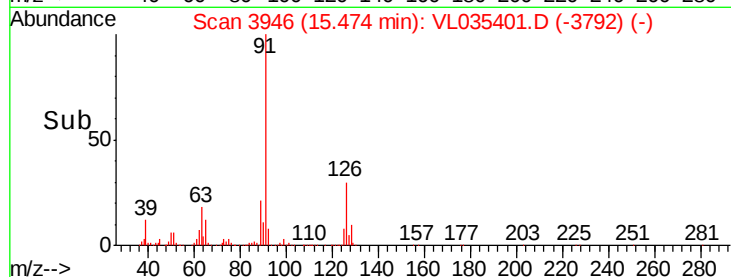
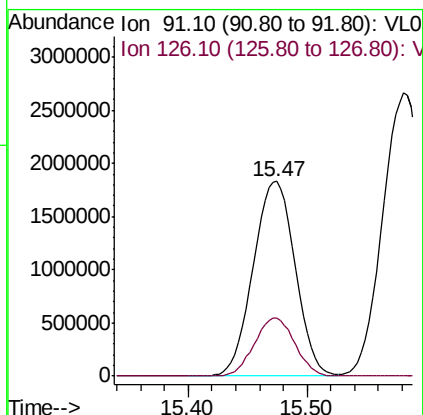
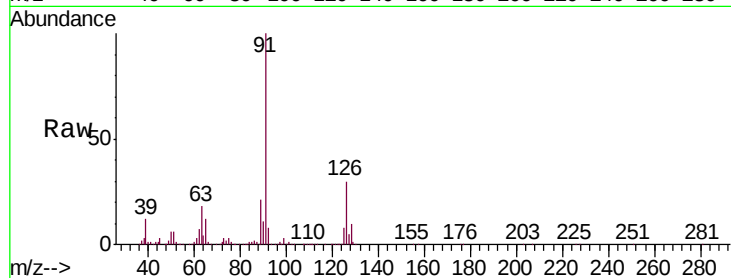
ClientSampleId :

Tgt Ion: 91 Resp: 4461042

Ion Ratio Lower Upper

91 100

126 29.1 12.1 48.3



#72

4-Ethyltoluene

Concen: 7.194 ppbv

RT: 15.86 min Scan# 4066

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Tgt Ion: 105 Resp: 4511603

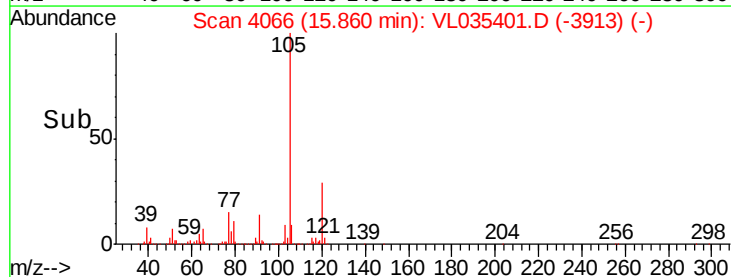
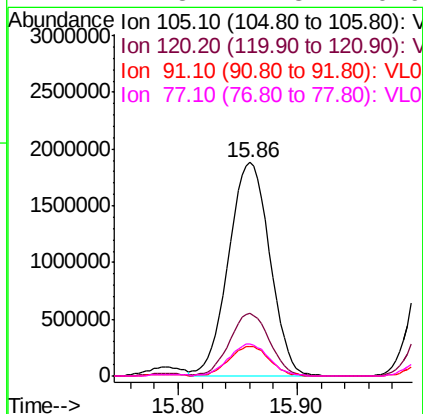
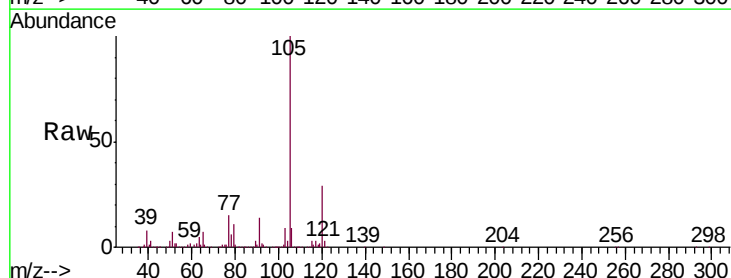
Ion Ratio Lower Upper

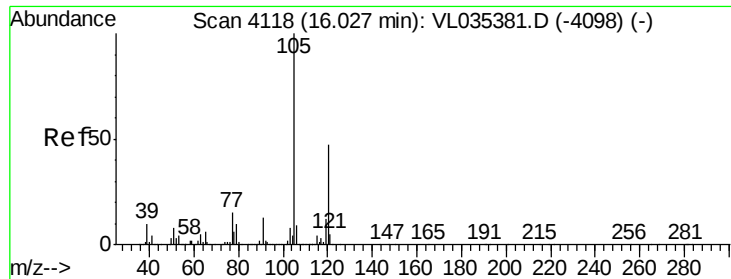
105 100

120 28.5 24.0 36.0

91 13.4 10.4 15.6

77 14.8 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 7.147 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

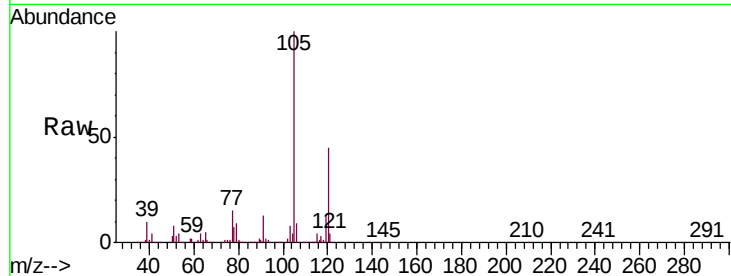
ClientSampleId :

Tgt Ion:105 Resp: 4202569

Ion Ratio Lower Upper

105 100

120 44.8 37.4 56.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

1500000

1000000

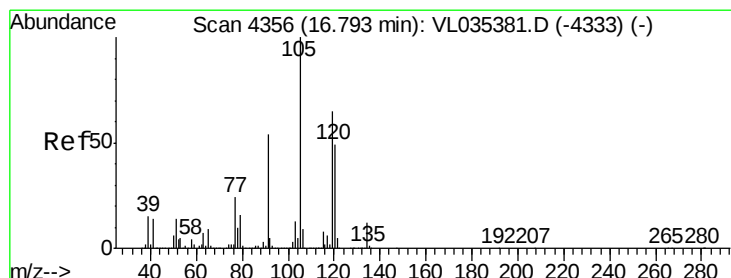
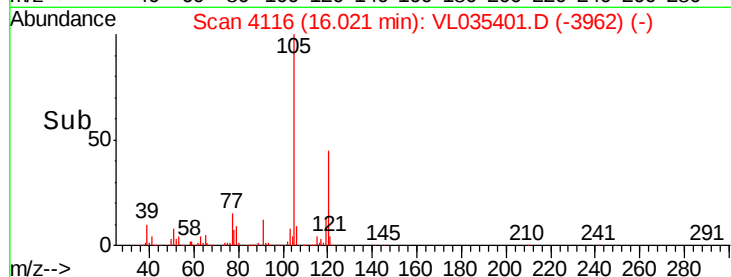
500000

0

16.02

15.90 16.00 16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 6.834 ppbv

RT: 16.79 min Scan# 4354

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Tgt Ion:105 Resp: 4226468

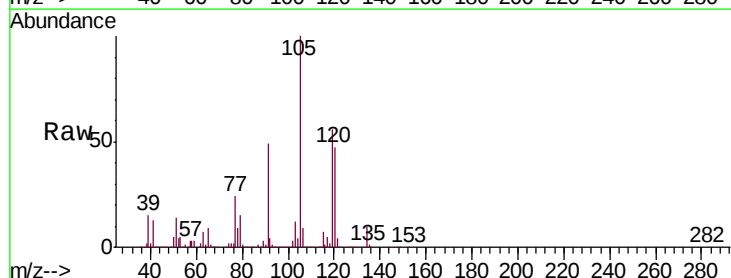
Ion Ratio Lower Upper

105 100

120 47.3 39.1 58.7

91 49.2 43.7 65.5

77 23.6 19.0 28.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

1000000

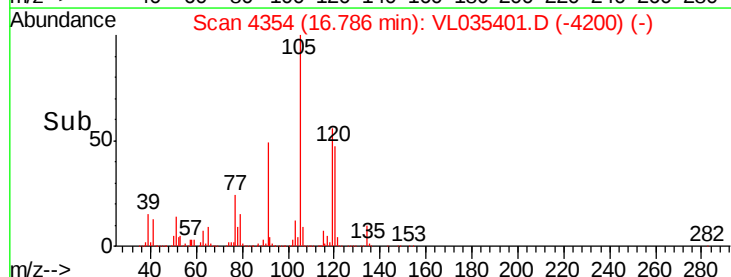
500000

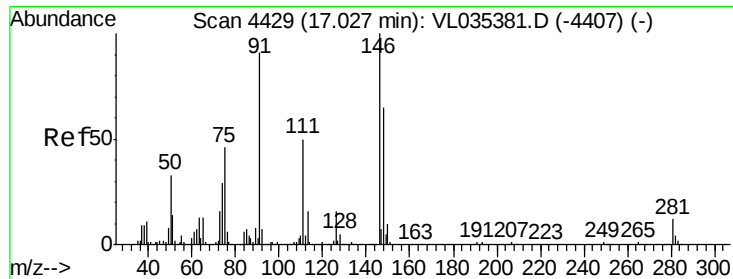
0

16.79

16.70 16.80 16.90

Time-->





#75

1,3-Dichlorobenzene

Concen: 6.874 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

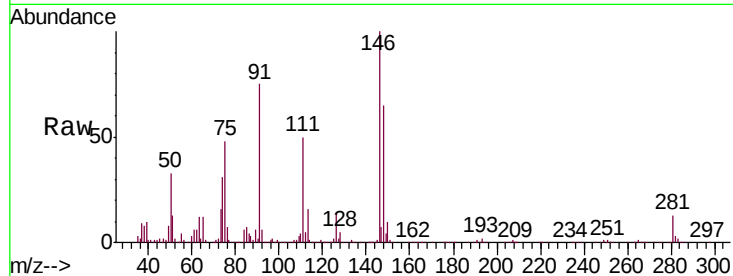
Tgt Ion:146 Resp: 2320137

Ion Ratio Lower Upper

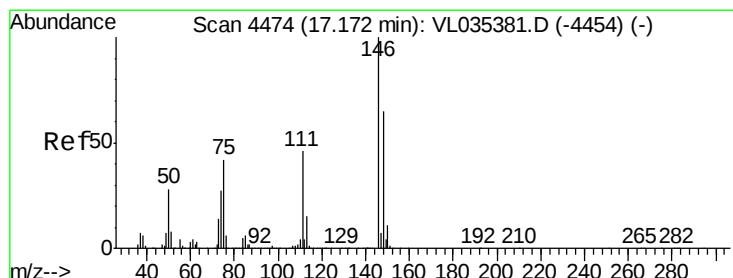
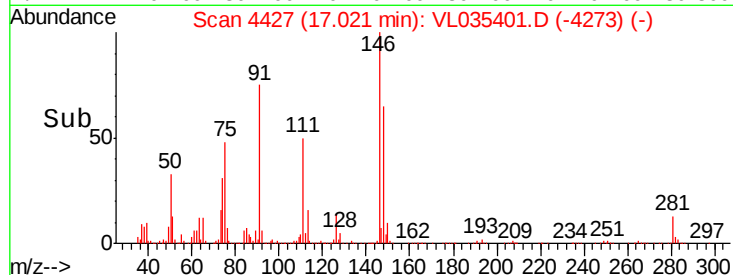
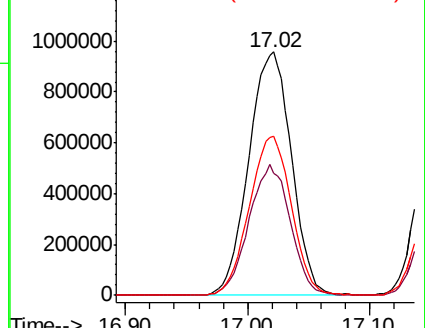
146 100

111 51.9 25.0 75.0

148 64.4 32.6 97.7



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: 6.990 ppbv

RT: 17.16 min Scan# 4471

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

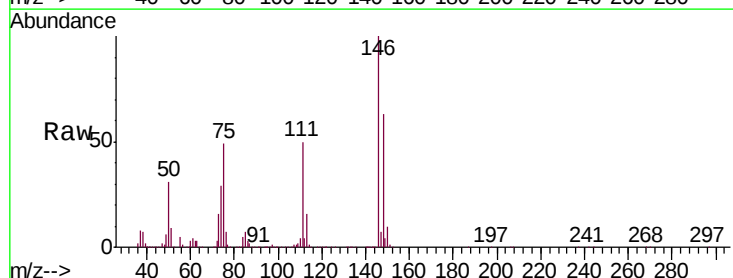
Tgt Ion:146 Resp: 2423350

Ion Ratio Lower Upper

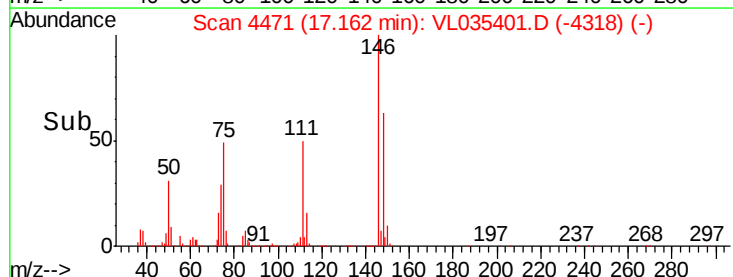
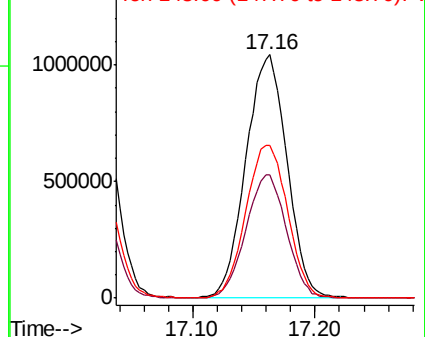
146 100

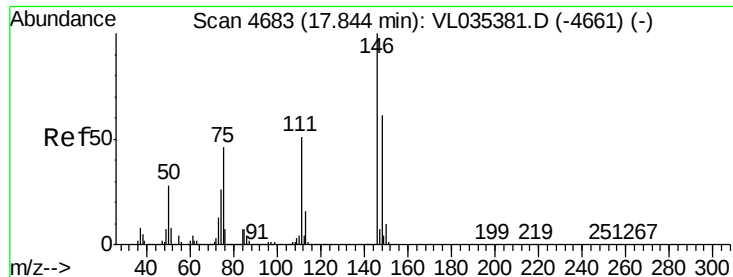
111 50.3 24.0 72.0

148 64.3 32.5 97.5



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

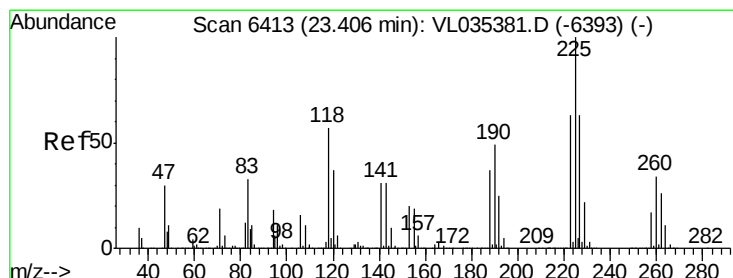
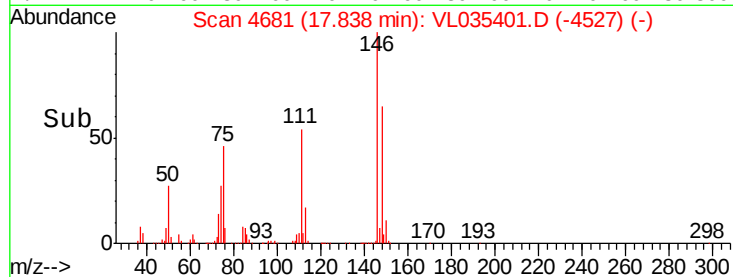
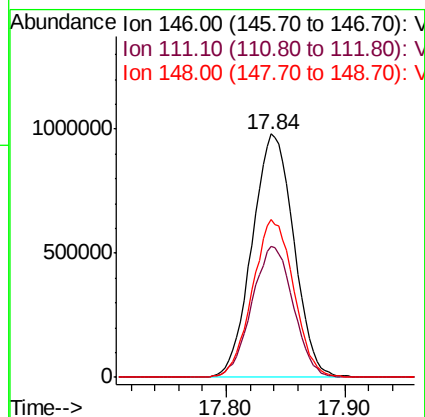
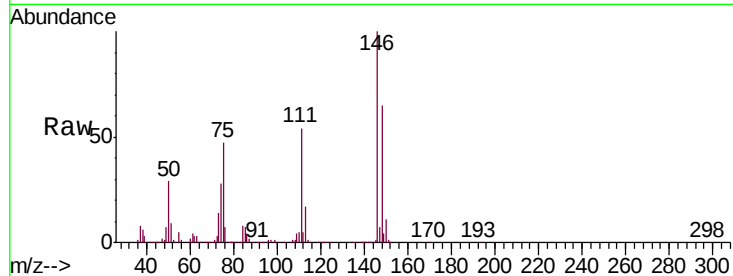




#77
 1,2-Dichlorobenzene
 Concen: 6.977 ppbv
 RT: 17.84 min Scan# 4681
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

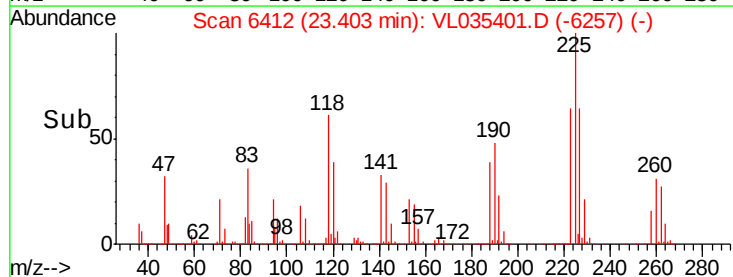
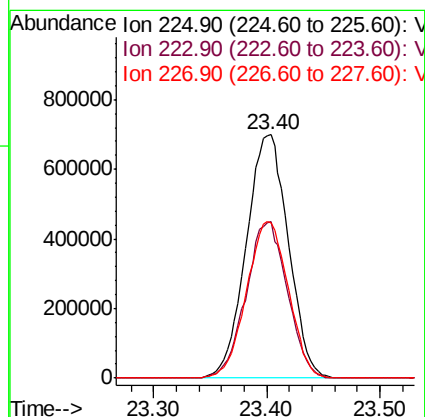
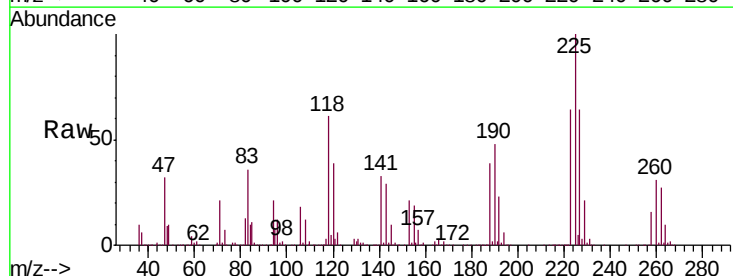
Instrument :
 MSVOA_L
 ClientSampleId :

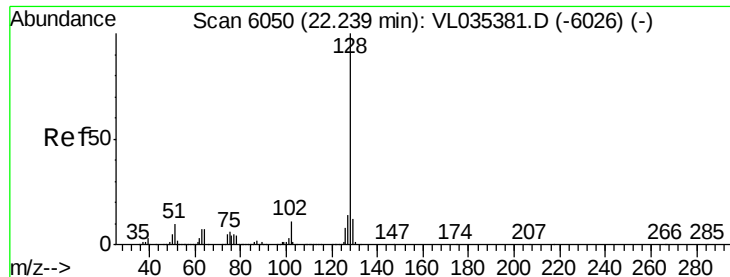
Tgt Ion:146 Resp: 2374076
 Ion Ratio Lower Upper
 146 100
 111 53.6 25.9 77.8
 148 64.2 32.1 96.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.438 ppbv
 RT: 23.40 min Scan# 6412
 Delta R.T. -0.00 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Tgt Ion:225 Resp: 1806423
 Ion Ratio Lower Upper
 225 100
 223 63.2 51.0 76.6
 227 63.9 51.0 76.6





#79

Naphthalene

Concen: 6.603 ppbv

RT: 22.23 min Scan# 6046

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

Instrument :

MSVOA_L

ClientSampleId :

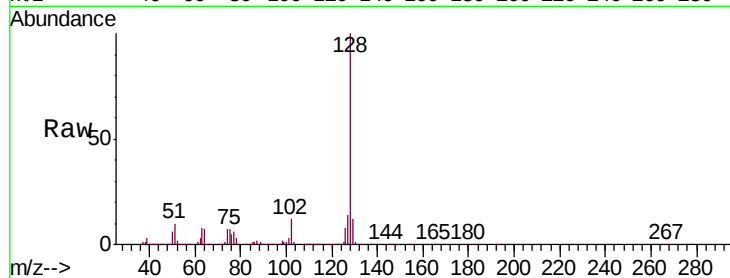
Tgt Ion:128 Resp: 5086065

Ion Ratio Lower Upper

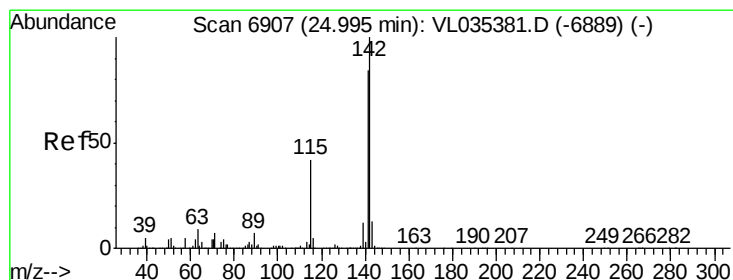
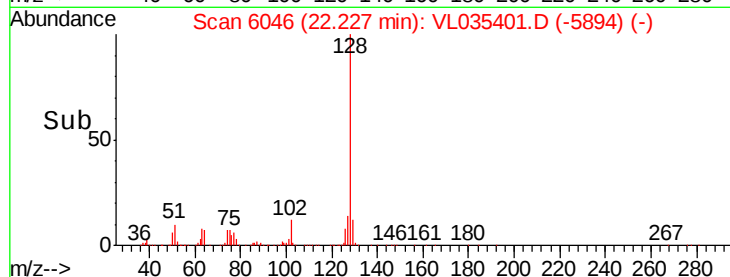
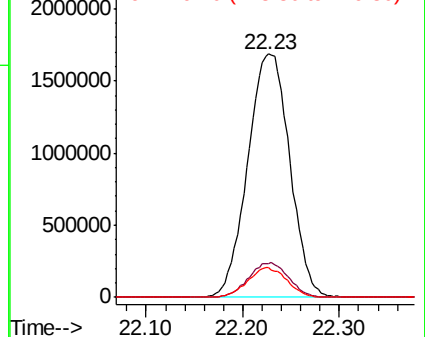
128 100

127 13.6 11.0 16.4

129 12.5 9.2 13.8



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: 6.362 ppbv

RT: 24.99 min Scan# 6905

Delta R.T. -0.01 min

Lab File: VL035401.D

Acq: 13 Aug 2020 11:34

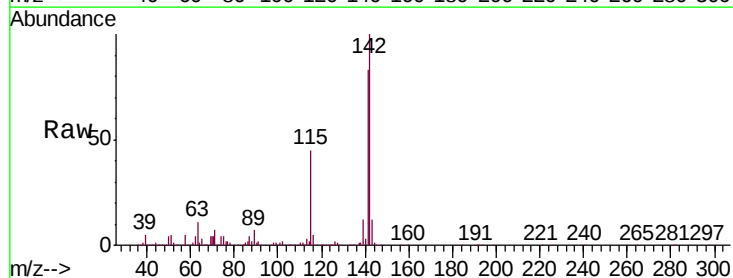
Tgt Ion:142 Resp: 2282076

Ion Ratio Lower Upper

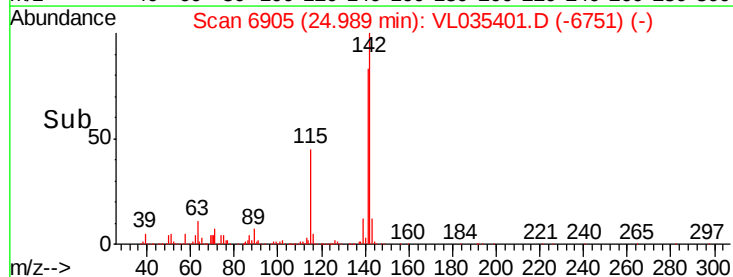
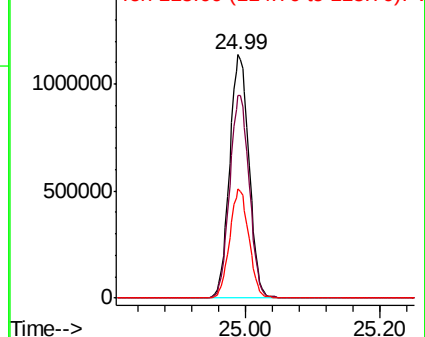
142 100

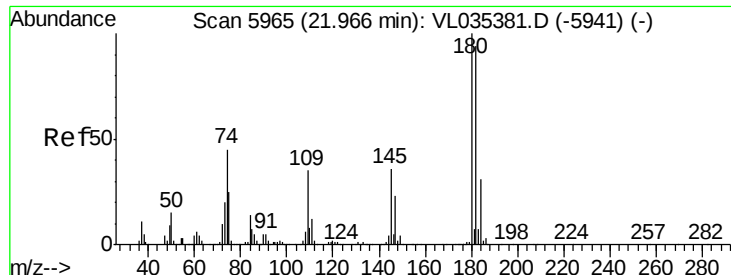
141 84.0 67.7 101.5

115 44.4 34.0 51.0



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

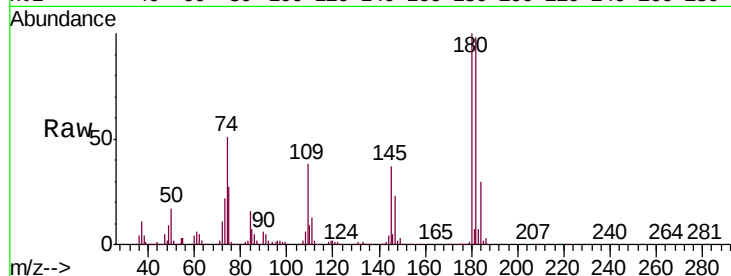




#81
 1,2,4-Trichlorobenzene
 Concen: 6.535 ppbv
 RT: 21.96 min Scan# 5963
 Delta R.T. -0.01 min
 Lab File: VL035401.D
 Acq: 13 Aug 2020 11:34

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion:180 Resp: 2382554
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.6 116.4
 184 31.3 24.7 37.1



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

