

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072721\
 Data File : VL037280.D
 Acq On : 27 Jul 2021 3:15
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 27 06:42:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 27 06:38:44 2021
 QLast Update : Tue Jul 27 06:38:44 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1369340	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3990495	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3818756	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2817380	9.74	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	480351	1.989	ppbv	98
3) Chlorodifluoromethane	2.99	51	550829	2.050	ppbv	98
4) Chloromethane	3.14	50	189161	2.115	ppbv	97
5) Vinyl Chloride	3.26	62	191926	1.970	ppbv	94
6) Bromomethane	3.48	94	116254	2.020	ppbv	92
7) Chloroethane	3.56	64	69146	1.948	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	521797	2.112	ppbv	99
9) Propene	3.01	41	166323	1.944	ppbv	96
10) Heptane	8.12	43	415053	1.997	ppbv	97
11) Trichlorofluoromethane	3.95	101	545415	2.114	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	396919	2.177	ppbv	99
13) Ethanol	3.61	45	12123	0.935	ppbv #	20
14) Bromoethene	3.74	108	152119	2.011	ppbv	94
15) Acetone	3.85	43	559611	3.525	ppbv #	73
16) 1,3-Butadiene	3.33	39	176120	1.910	ppbv	91
17) tert-Butyl alcohol	4.30	59	236834	1.649	ppbv	95
18) 1,1-Dichloroethene	4.29	96	166058	2.051	ppbv	97
19) Isopropyl Alcohol	3.98	45	127233	1.380	ppbv #	89
20) Methylene Chloride	4.34	84	193483	2.056	ppbv	96
21) Allyl Chloride	4.41	41	242783	2.045	ppbv	95
22) trans-1,2-Dichloroethene	4.89	96	163159	2.043	ppbv	96
23) Vinyl Acetate	5.07	43	503102	2.258	ppbv	100
24) 1,1-Dichloroethane	5.01	63	381628	2.112	ppbv	98
25) Ethyl Acetate	5.68	43	699844	2.074	ppbv	97
26) Hexane	5.69	57	355110	2.089	ppbv	92
27) Carbon Disulfide	4.55	76	341097	2.031	ppbv	97
28) Methyl tert-Butyl Ether	5.04	73	429476	2.101	ppbv	100
29) Chloroform	5.75	83	539464	2.039	ppbv	97
30) Cyclohexane	7.13	84	274847	1.940	ppbv #	81
31) cis-1,2-Dichloroethene	5.55	61	317733	2.027	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	550930	1.956	ppbv	100
34) 2-Butanone	5.25	43	402113	2.541	ppbv	96
35) Carbon Tetrachloride	7.02	117	587375	2.166	ppbv	99
36) Benzene	6.89	78	664369	2.045	ppbv	99
37) 1,2-Dichloroethane	6.31	62	161977	0.848	ppbv #	73
38) Trichloroethene	7.84	130	283570	1.836	ppbv	95
39) 1,2-Dichloropropane	7.62	63	255286	2.115	ppbv	93
40) 1,4-Dioxane	7.86	88	53828	1.648	ppbv #	100
41) Tetrahydrofuran	6.06	42	44789	0.615	ppbv #	36
42) Bromodichloromethane	7.80	83	555508	2.126	ppbv	98
43) Methyl Methacrylate	8.02	69	225304	2.007	ppbv	100

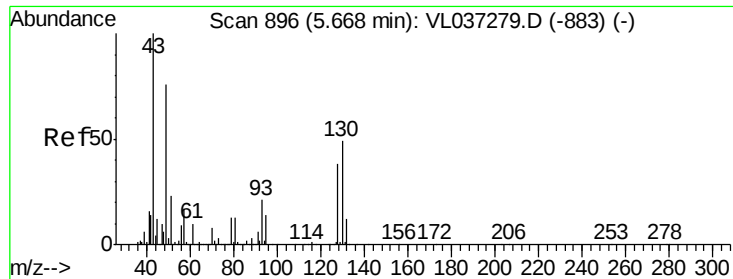
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072721\
 Data File : VL037280.D
 Acq On : 27 Jul 2021 3:15
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Instrument :
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Quant Time: Jul 27 06:42:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 27 06:38:44 2021
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	1143287	2.084	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	179370	1.852	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	249006	1.873	ppbv	97
47) 1,1,2-Trichloroethane	9.48	97	282251	2.042	ppbv	96
48) Dibromochloromethane	10.31	129	464463	2.115	ppbv	99
49) Bromoform	13.05	173	354766	2.141	ppbv	98
50) 4-Methyl-2-Pentanone	8.76	43	485554	2.230	ppbv	100
51) 2-Hexanone	10.16	43	209255	1.965	ppbv #	97
52) Tetrachloroethene	11.23	164	276935	1.839	ppbv	97
53) Toluene	9.81	91	788613	2.028	ppbv	99
54) 1,2-Dibromoethane	10.61	107	424177	2.132	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	189287	1.117	ppbv #	1
57) Chlorobenzene	12.15	112	650170	2.078	ppbv	98
58) Ethyl Benzene	12.72	91	1093099	2.061	ppbv	100
59) m/p-Xylene	13.00	91	1009223	2.237	ppbv #	40
60) o-Xylene	13.69	91	922277	2.142	ppbv	99
61) Styrene	13.53	104	442981	2.012	ppbv	98
62) Isopropylbenzene	14.67	105	1308955	2.137	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.68	83	617857	2.149	ppbv	98
64) n-propylbenzene	15.57	120	325505	2.129	ppbv	86
65) tert-Butylbenzene	16.75	119	1250887	2.289	ppbv	99
66) Benzyl Chloride	16.99	91	17823	0.766	ppbv #	82
67) sec-Butylbenzene	17.30	105	1616800	2.222	ppbv	98
69) p-Isopropyltoluene	17.66	119	1400810	2.282	ppbv	99
70) n-Butylbenzene	18.55	91	1326247	2.336	ppbv	98
71) 2-Chlorotoluene	15.46	91	946781	2.203	ppbv	99
72) 4-Ethyltoluene	15.84	105	1070092	2.181	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	1024538	2.160	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	1158759	2.370	ppbv	92
75) 1,3-Dichlorobenzene	17.00	146	646286	2.178	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	565746	1.912	ppbv	92
77) 1,2-Dichlorobenzene	17.82	146	617967	2.146	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	469675	1.962	ppbv	99
79) Naphthalene	22.21	128	834127	2.180	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	165747	1.803	ppbv	90
81) 1,2,4-Trichlorobenzene	21.94	180	493781	2.200	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

ClientSampled :

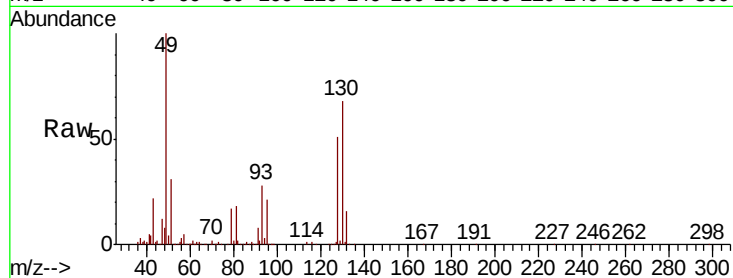
Tot Ion: 49 Resp: 1369340

Ion Ratio Lower Upper

49 100

128 56.2 28.4 85.2

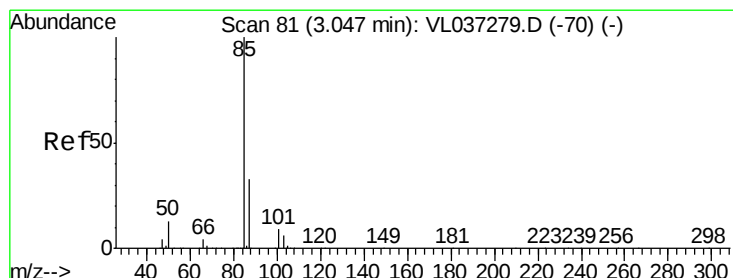
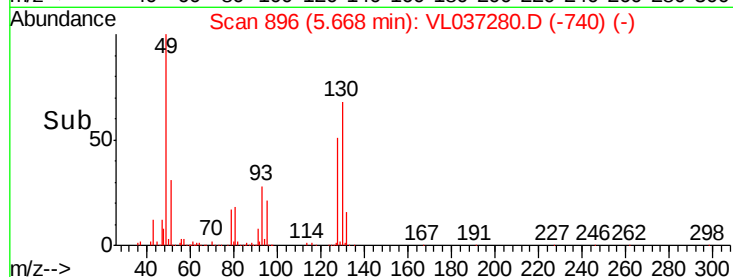
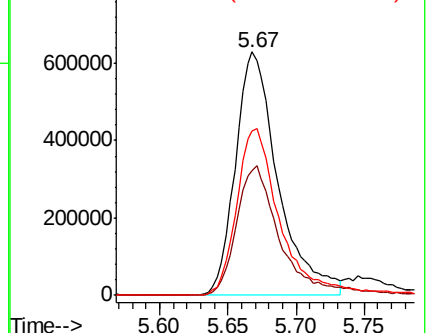
130 72.1 34.8 104.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 1.989 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL037280.D

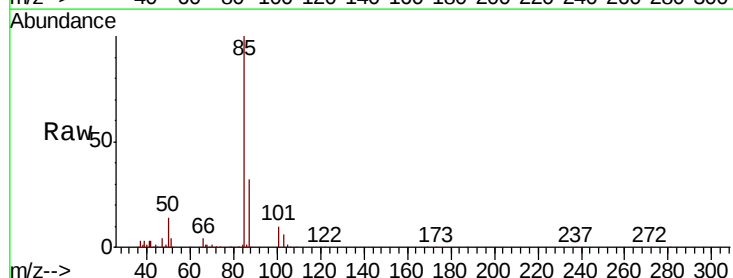
Acq: 27 Jul 2021 3:15

Tgt Ion: 85 Resp: 480351

Ion Ratio Lower Upper

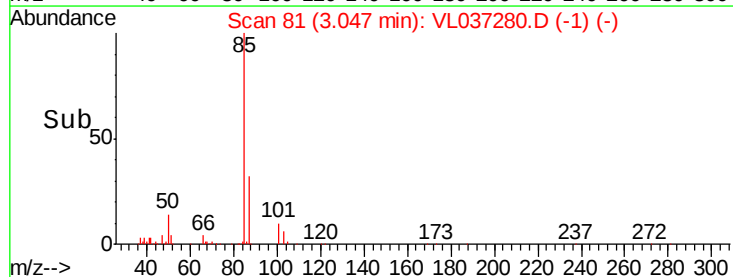
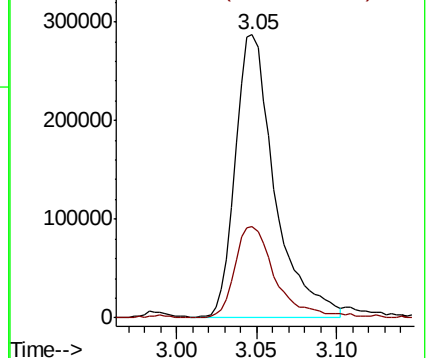
85 100

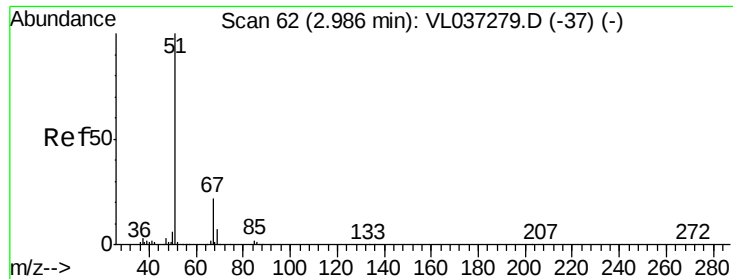
87 32.1 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

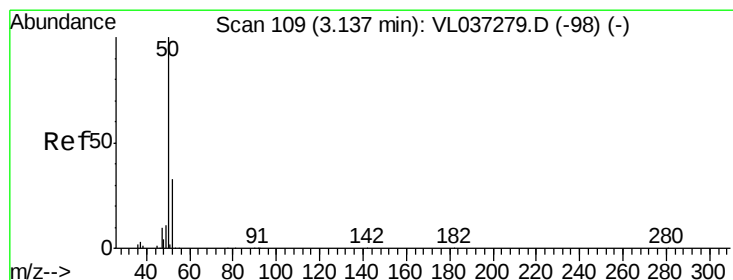
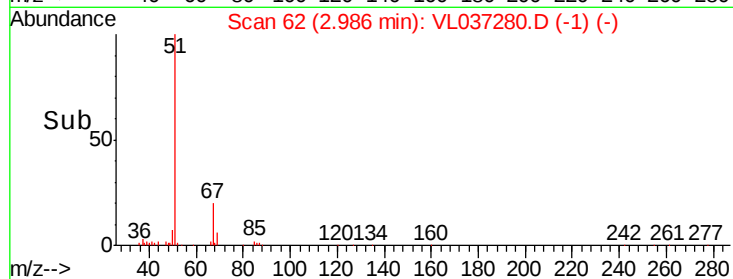
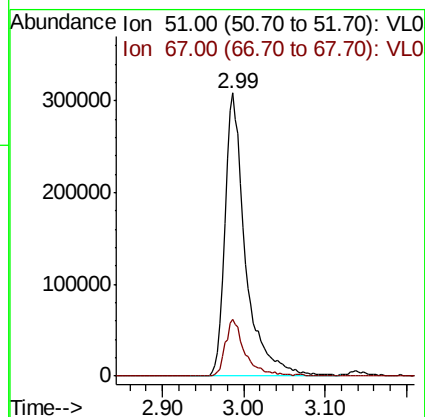
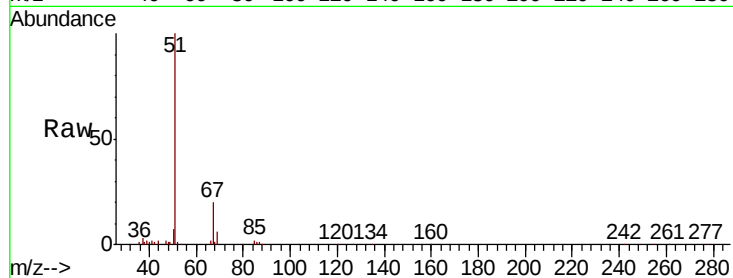




#3
 Chlorodifluoromethane
 Concen: 2.050 ppbv
 RT: 2.99 min Scan# 62
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

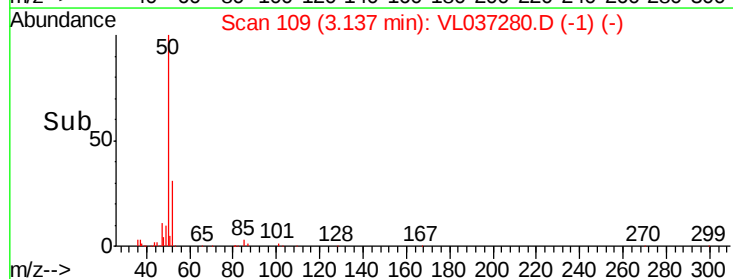
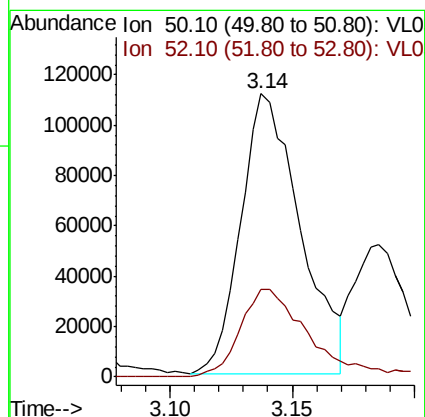
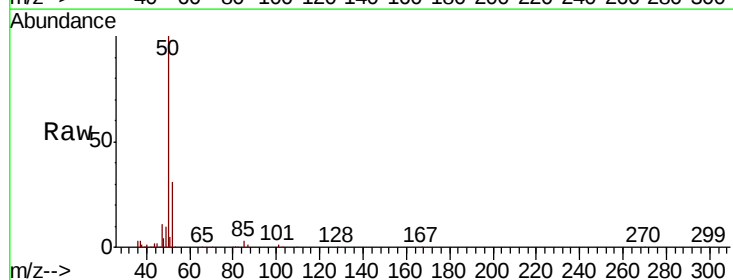
Instrument :
 MSVOA_L
 ClientSampleId :

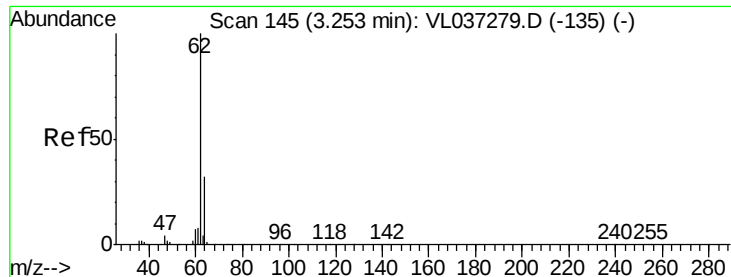
Tot Ion: 51 Resp: 550829
 Ion Ratio Lower Upper
 51 100
 67 19.3 16.2 24.4



#4
 Chloromethane
 Concen: 2.115 ppbv
 RT: 3.14 min Scan# 109
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Tgt Ion: 50 Resp: 189161
 Ion Ratio Lower Upper
 50 100
 52 31.2 26.4 39.6





#5

Vinyl Chloride

Concen: 1.970 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

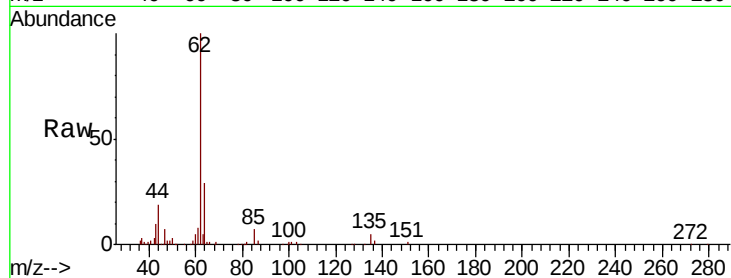
ClientSampleId :

Tot Ion: 62 Resp: 191926

Ion Ratio Lower Upper

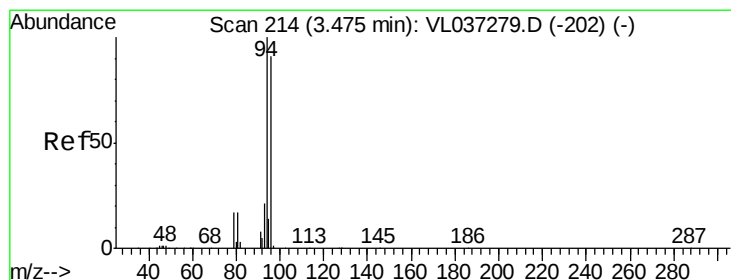
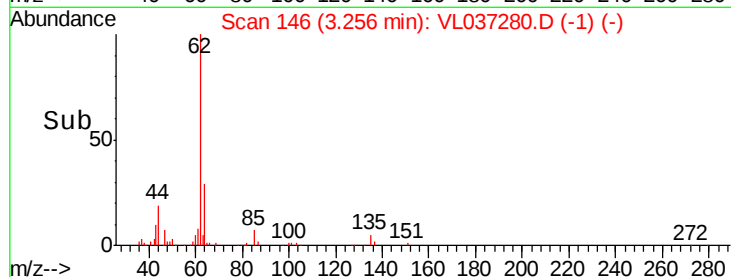
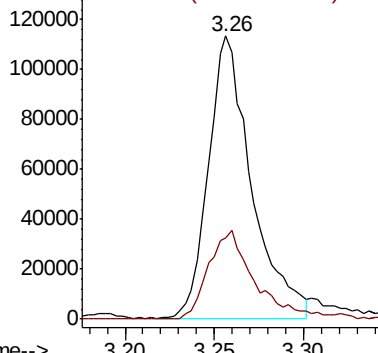
62 100

64 28.8 25.5 38.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 2.020 ppbv

RT: 3.48 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037280.D

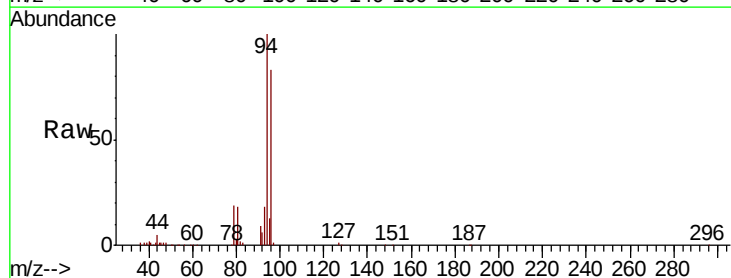
Acq: 27 Jul 2021 3:15

Tgt Ion: 94 Resp: 116254

Ion Ratio Lower Upper

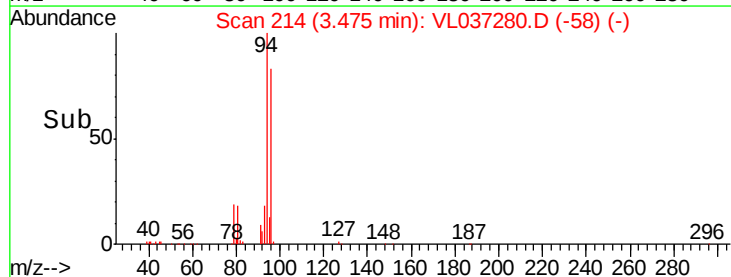
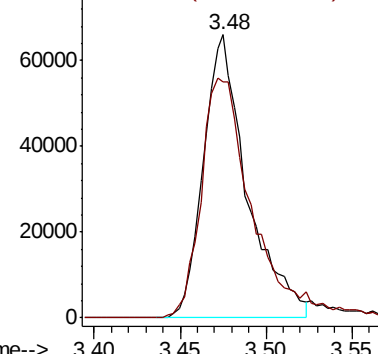
94 100

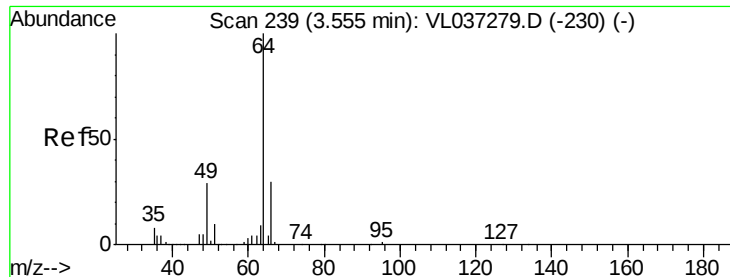
96 83.3 73.0 109.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.948 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

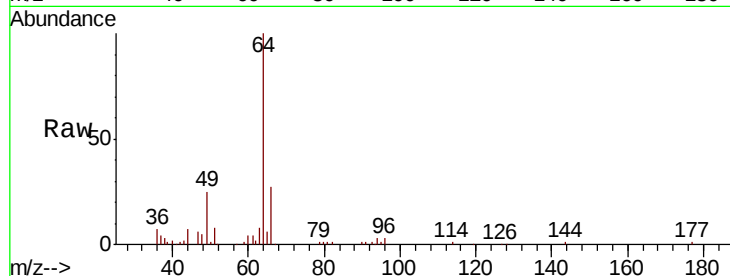
ClientSampled :

Tot Ion: 64 Resp: 69146

Ion Ratio Lower Upper

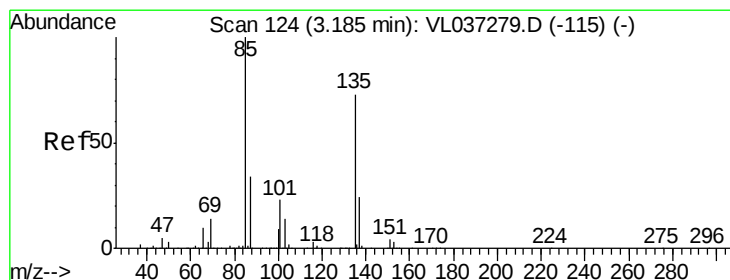
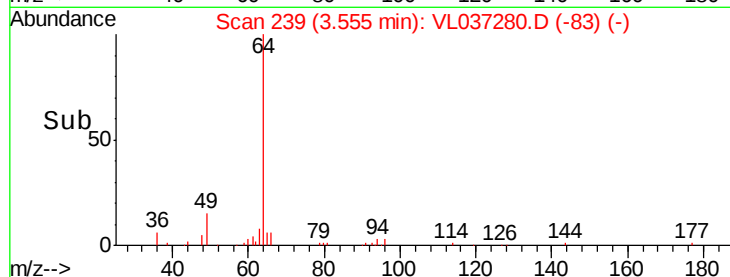
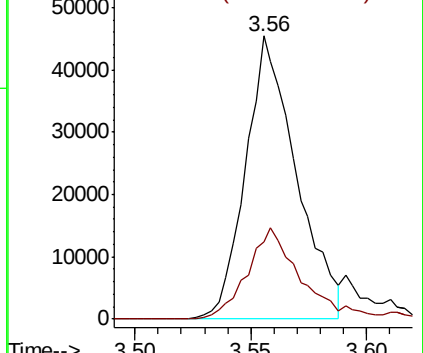
64 100

66 27.4 24.3 36.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 2.112 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037280.D

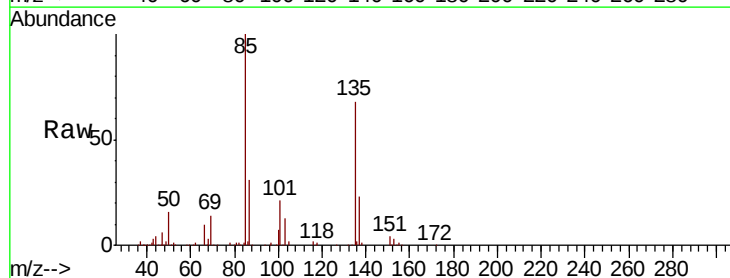
Acq: 27 Jul 2021 3:15

Tgt Ion: 85 Resp: 521797

Ion Ratio Lower Upper

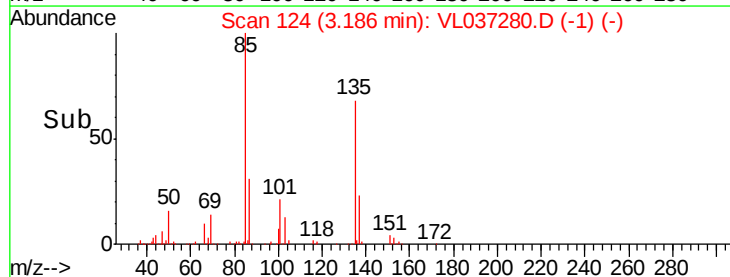
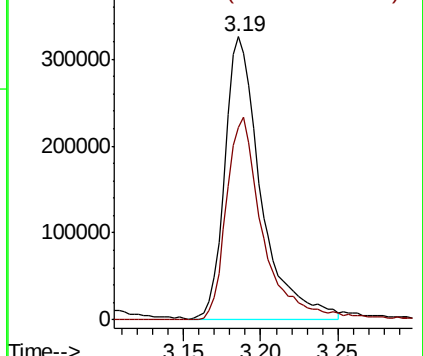
85 100

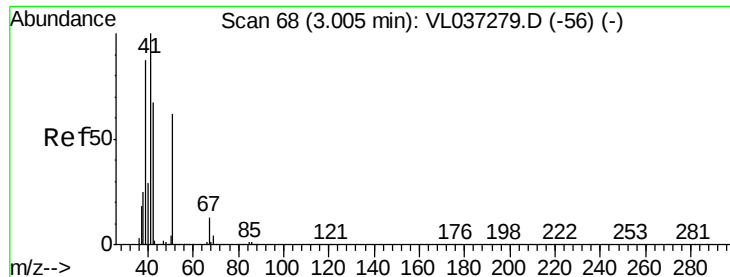
135 74.3 60.3 90.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.944 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

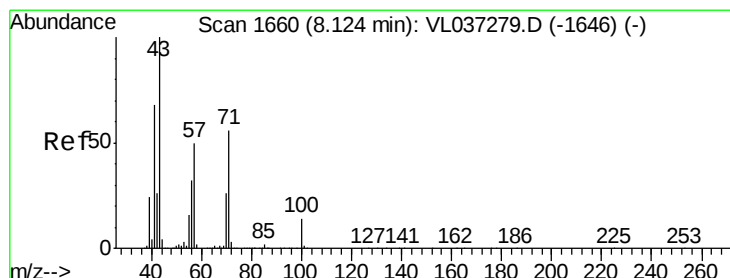
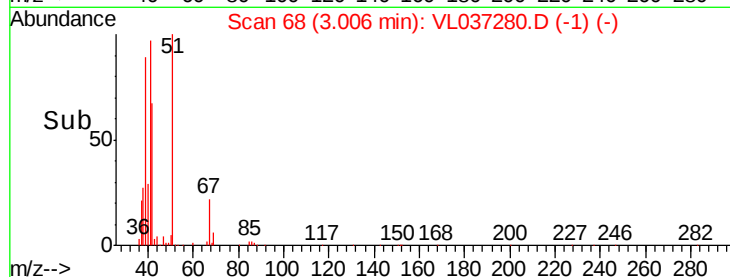
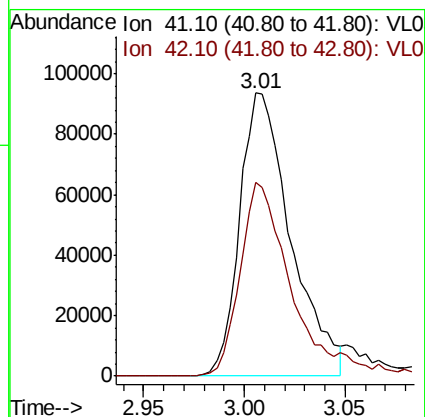
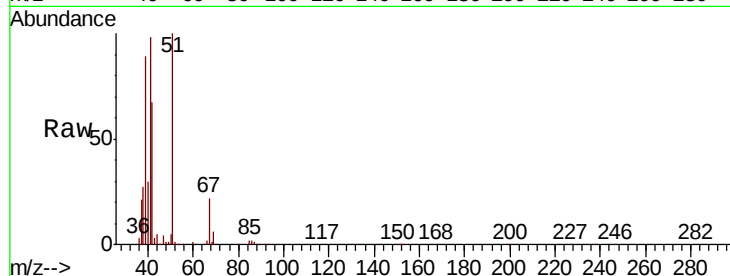
ClientSampleId :

Tot Ion: 41 Resp: 166323

Ion Ratio Lower Upper

41 100

42 70.4 53.4 80.2



#10

Heptane

Concen: 1.997 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VL037280.D

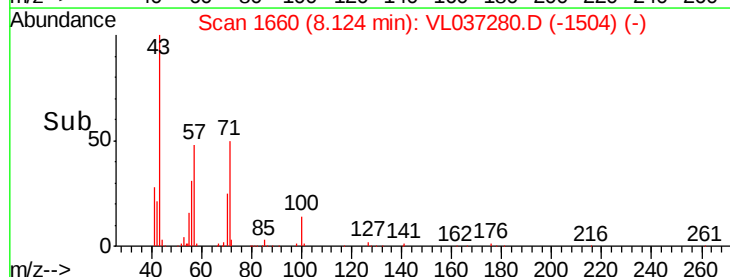
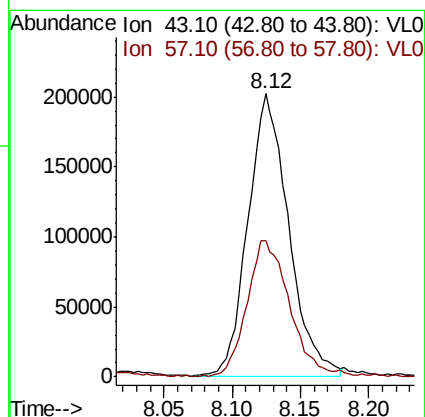
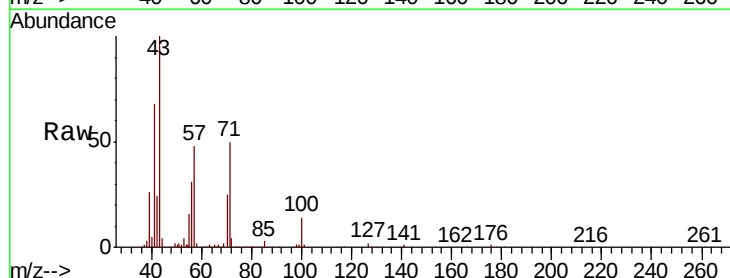
Acq: 27 Jul 2021 3:15

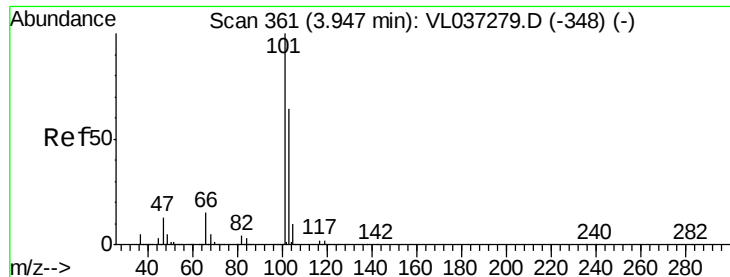
Tgt Ion: 43 Resp: 415053

Ion Ratio Lower Upper

43 100

57 52.1 40.1 60.1

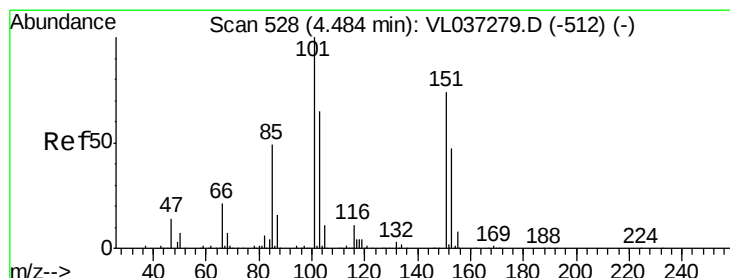
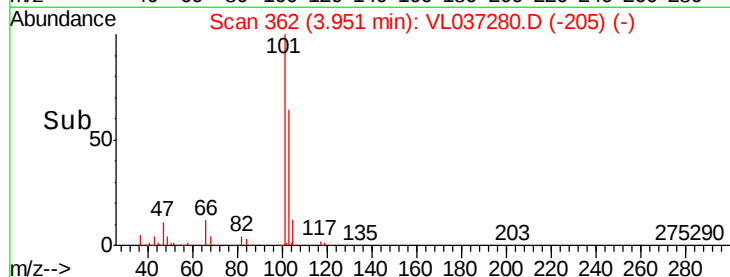
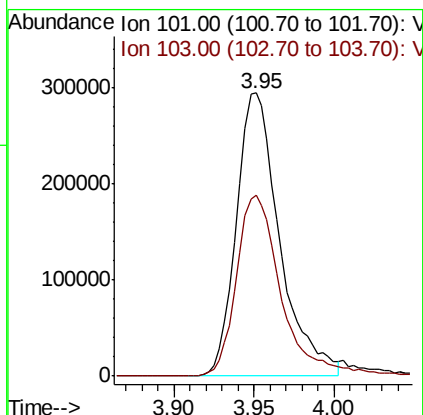
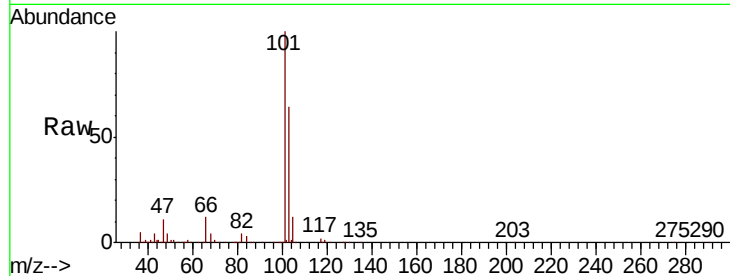




#11
 Trichlorofluoromethane
 Concen: 2.114 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

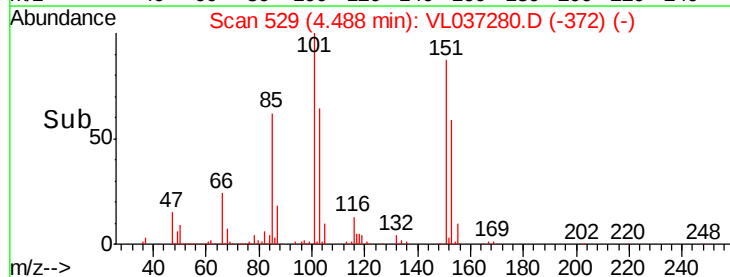
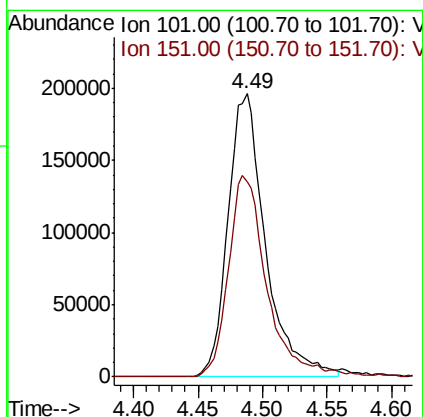
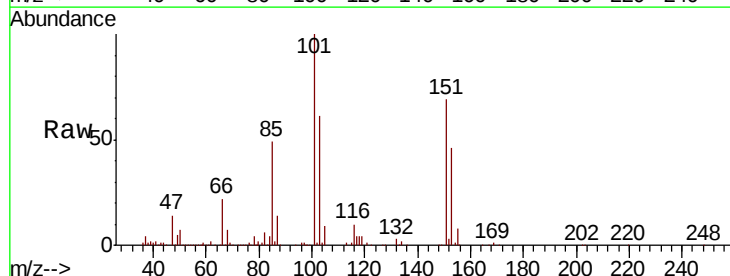
Instrument :
 MSVOA_L
 ClientSampleId :

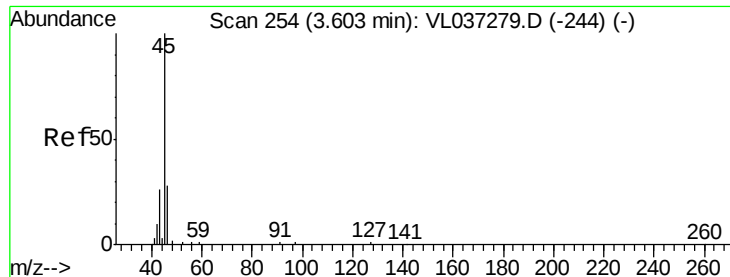
Tot Ion:101 Resp: 545415
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.177 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Tgt Ion:101 Resp: 396919
 Ion Ratio Lower Upper
 101 100
 151 73.3 59.3 88.9





#13

Ethanol

Concen: 0.935 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

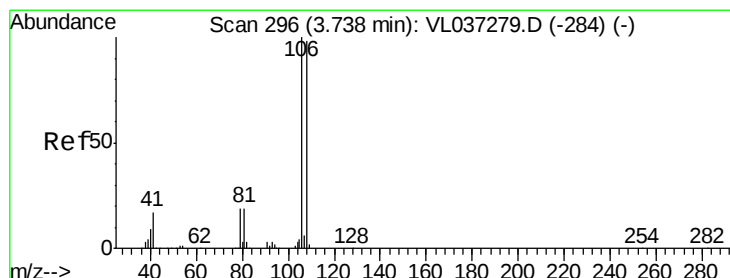
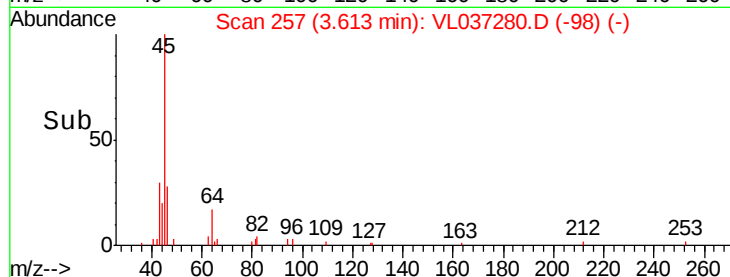
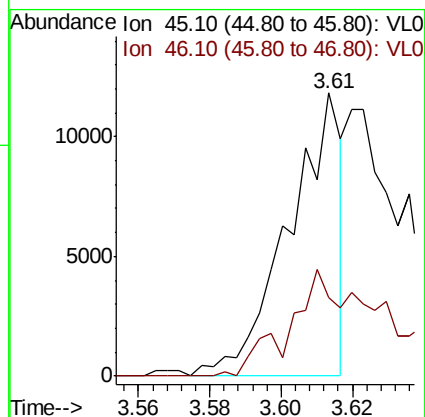
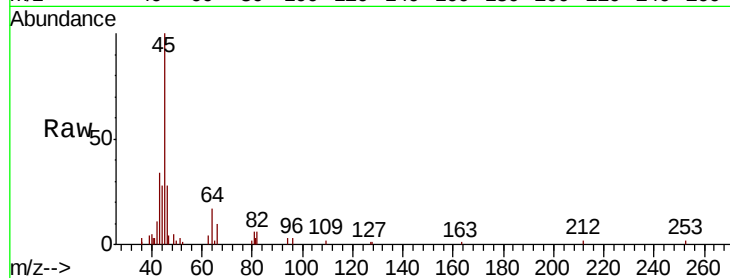
ClientSampleId :

Tot Ion: 45 Resp: 12123

Ion Ratio Lower Upper

45 100

46 86.0 15.1 60.3#



#14

Bromoethene

Concen: 2.011 ppbv

RT: 3.74 min Scan# 296

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

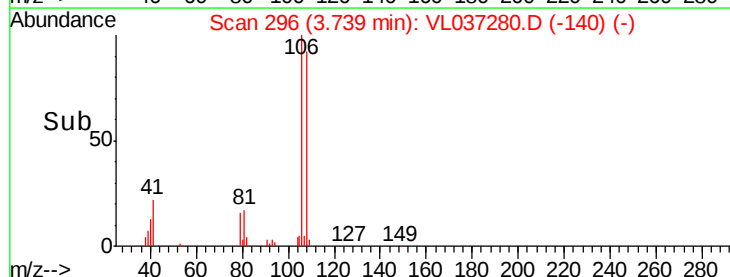
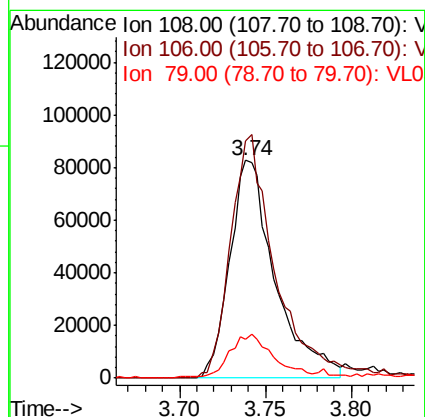
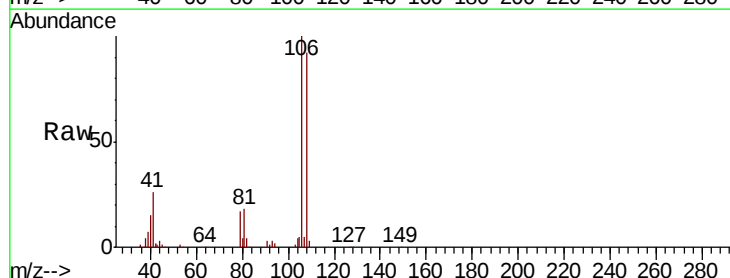
Tgt Ion: 108 Resp: 152119

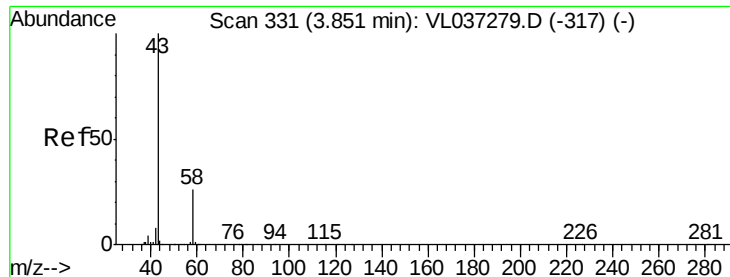
Ion Ratio Lower Upper

108 100

106 114.2 86.0 129.0

79 21.5 16.0 24.0





#15

Acetone

Concen: 3.525 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

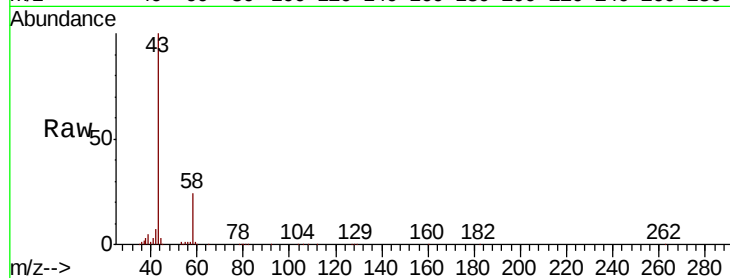
ClientSampleId :

Tot Ion: 43 Resp: 559611

Ion Ratio Lower Upper

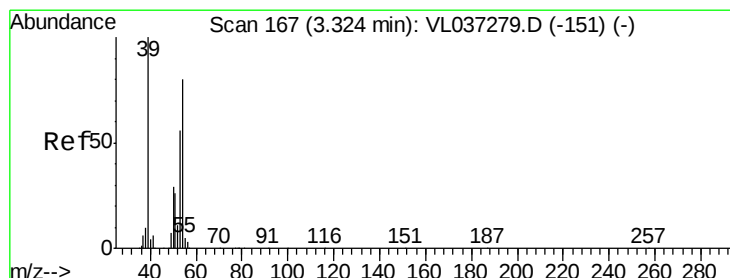
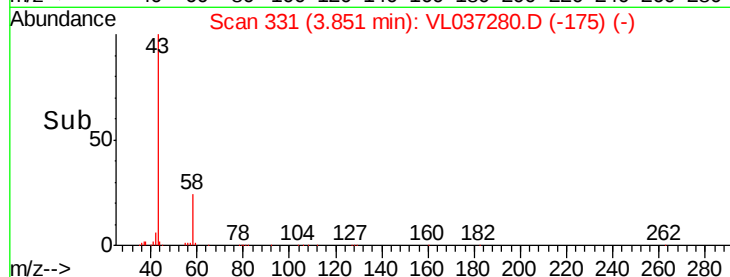
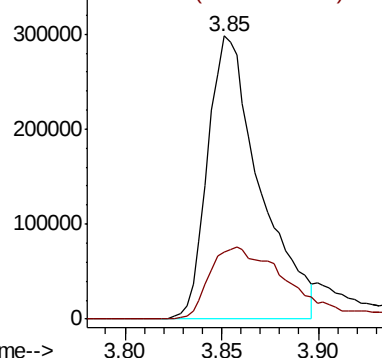
43 100

58 42.3 22.3 33.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 1.910 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL037280.D

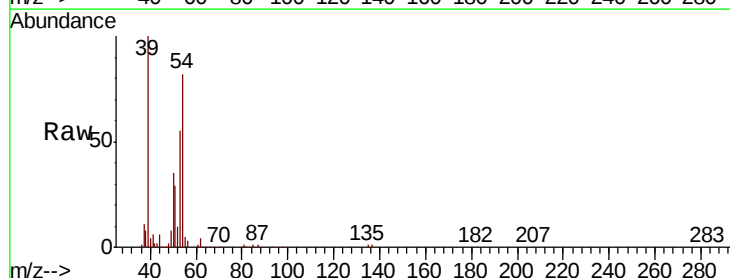
Acq: 27 Jul 2021 3:15

Tgt Ion: 39 Resp: 176120

Ion Ratio Lower Upper

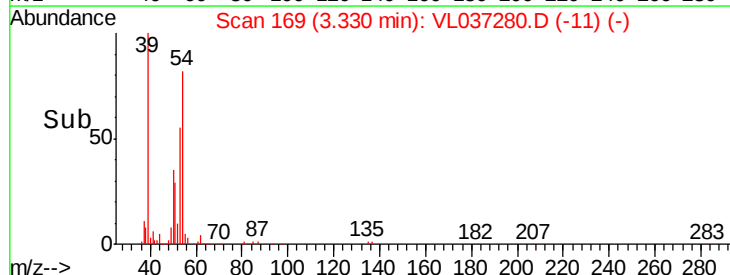
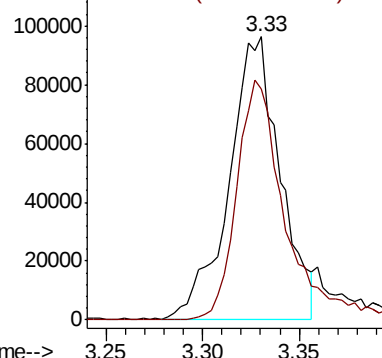
39 100

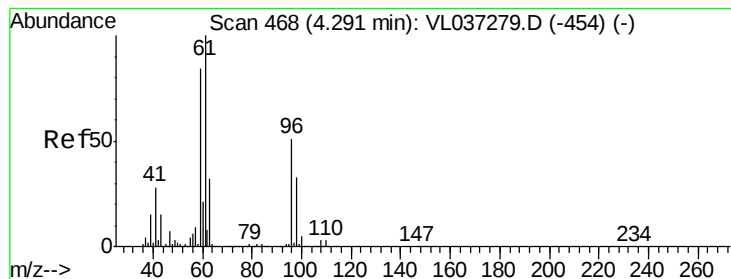
54 83.3 60.4 90.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



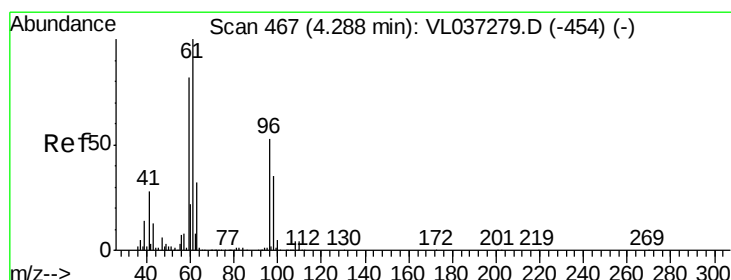
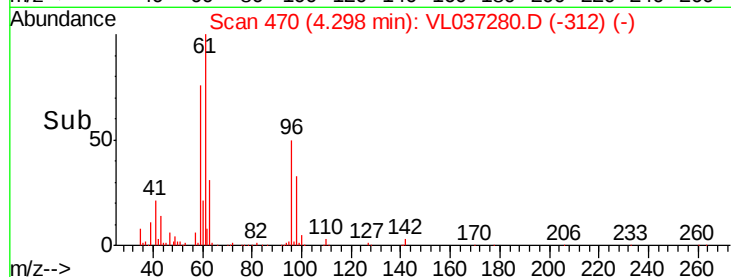
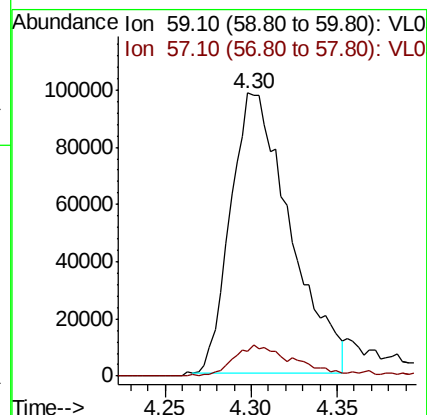
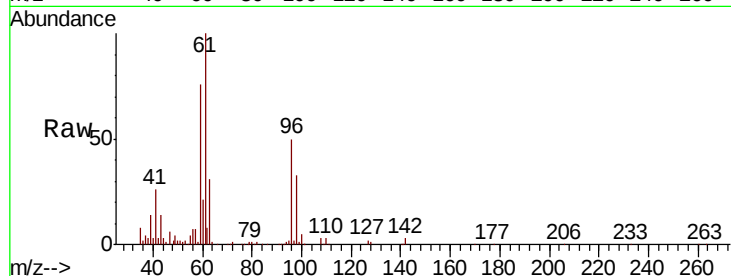


#17

tert-Butyl alcohol
Concen: 1.649 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.01 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Instrument :
MSVOA_L
ClientSampled :

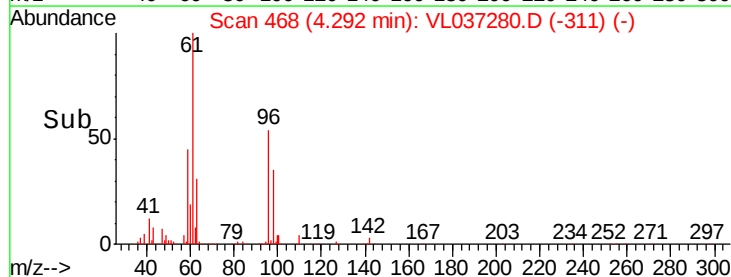
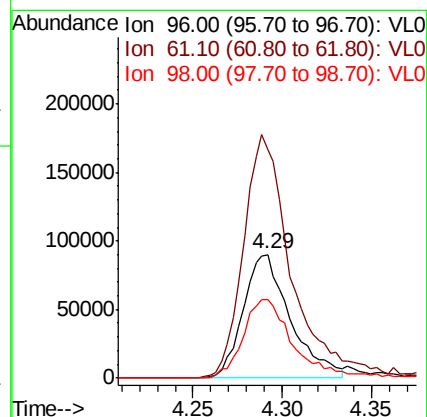
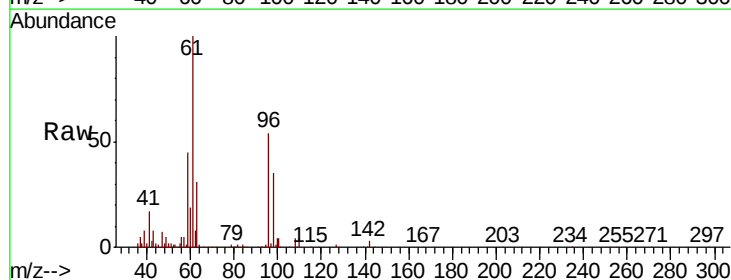
Tot Ion: 59 Resp: 236834
Ion Ratio Lower Upper
59 100
57 12.8 8.6 13.0

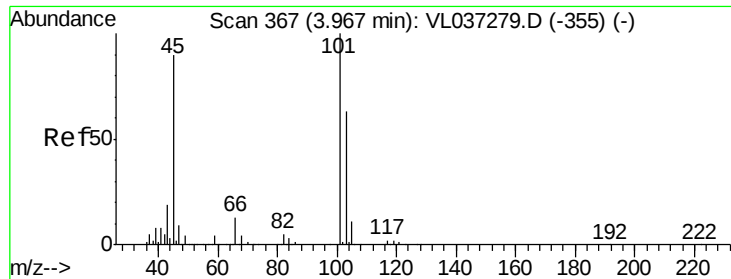


#18

1,1-Dichloroethene
Concen: 2.051 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion: 96 Resp: 166058
Ion Ratio Lower Upper
96 100
61 184.5 151.4 227.2
98 63.7 52.4 78.6

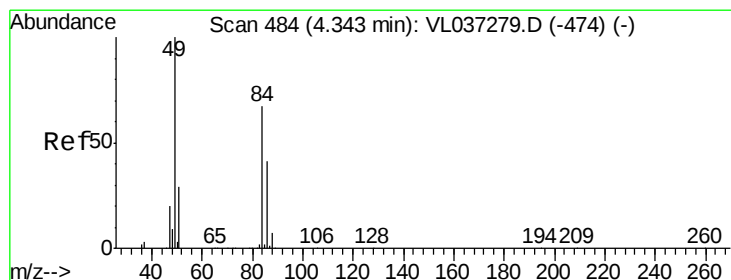
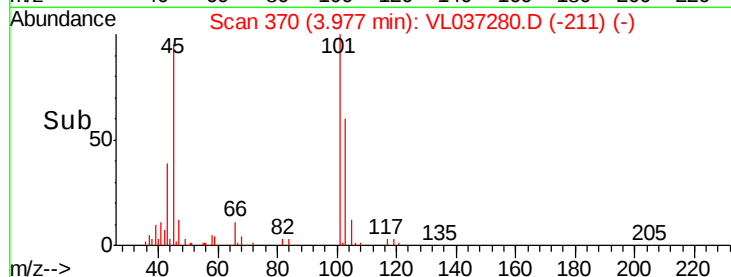
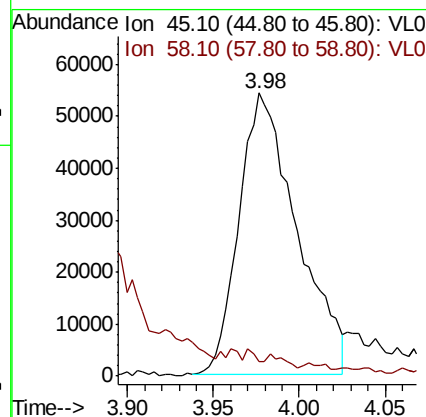
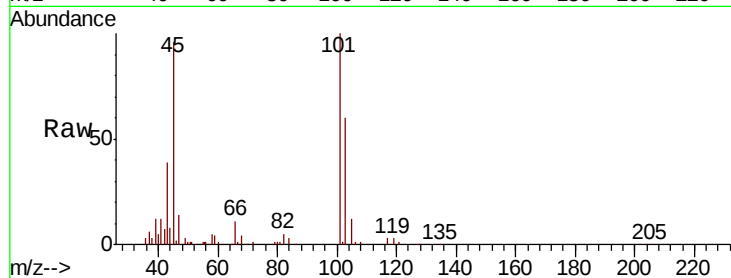




#19
Isopropyl Alcohol
Concen: 1.380 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

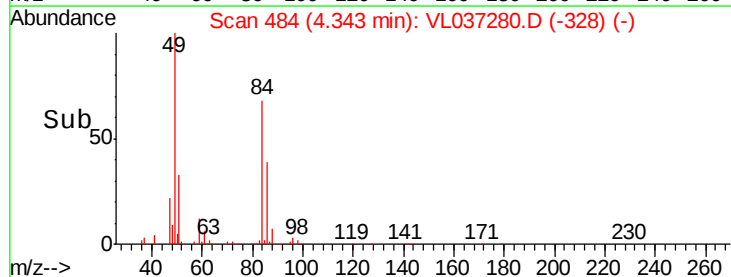
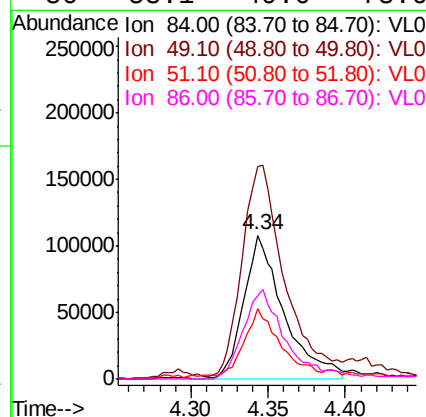
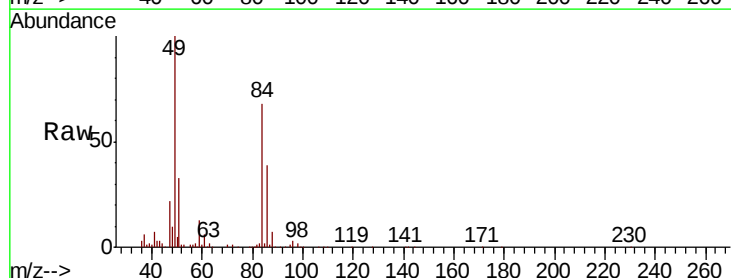
Instrument :
MSVOA_L
ClientSampled :

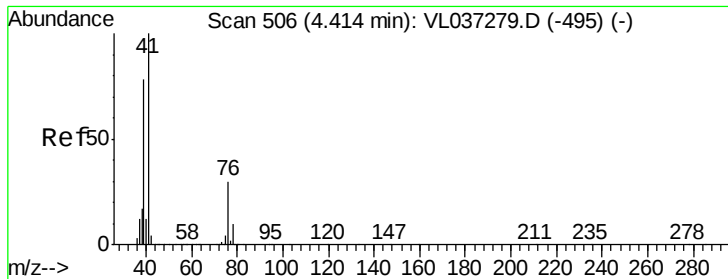
Tot Ion: 45 Resp: 127233
Ion Ratio Lower Upper
45 100
58 0.0 3.0 4.4#



#20
Methylene Chloride
Concen: 2.056 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion: 84 Resp: 193483
Ion Ratio Lower Upper
84 100
49 144.9 119.0 178.6
51 46.4 35.0 52.4
86 58.1 49.0 73.6

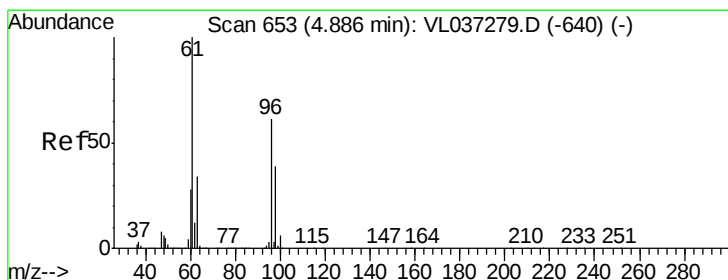
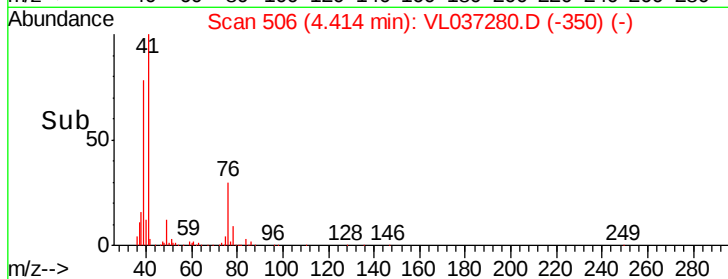
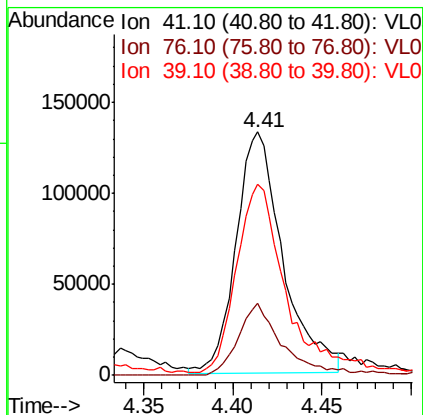
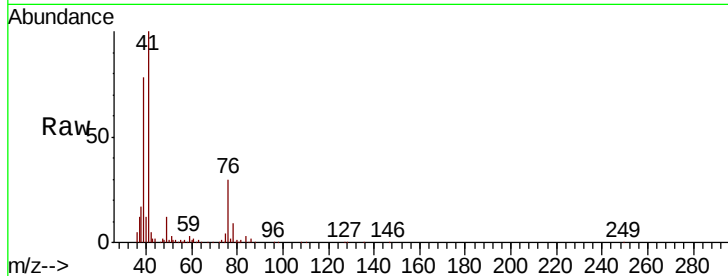




#21
Allvl Chloride
Concen: 2.045 ppbv
RT: 4.41 min Scan# 506
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

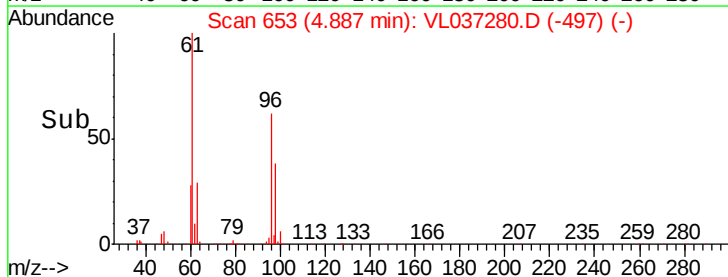
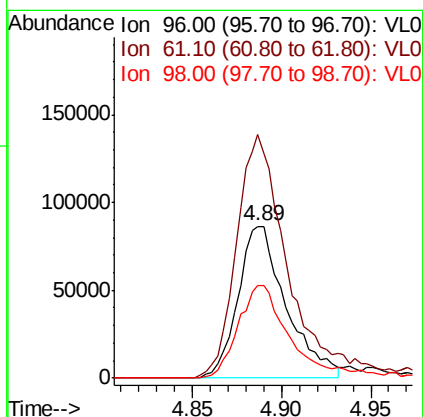
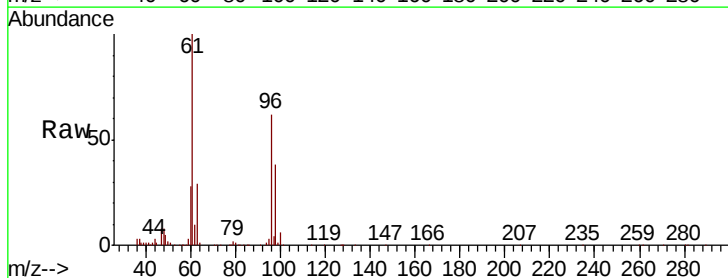
Instrument :
MSVOA_L
ClientSampleId :

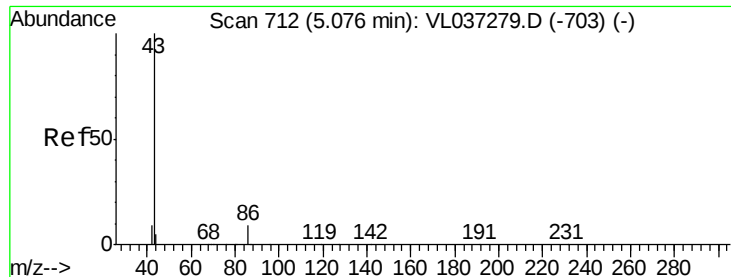
Tot Ion: 41 Resp: 242783
Ion Ratio Lower Upper
41 100
76 29.0 23.6 35.4
39 85.7 63.8 95.6



#22
trans-1,2-Dichloroethene
Concen: 2.043 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion: 96 Resp: 163159
Ion Ratio Lower Upper
96 100
61 159.9 131.8 197.6
98 60.6 51.4 77.2

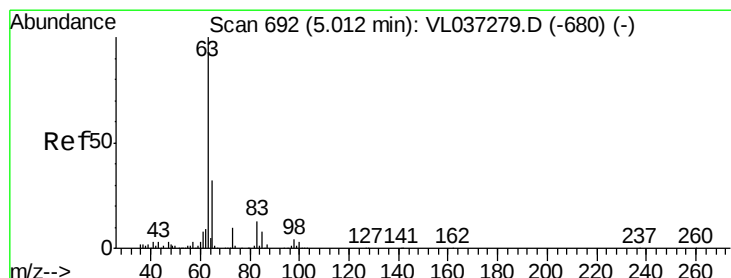
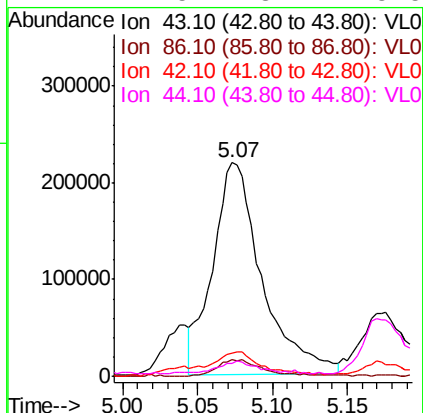
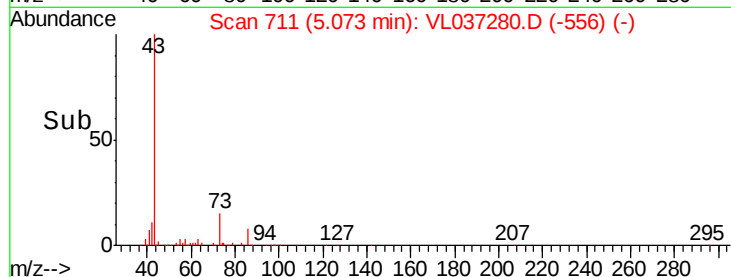
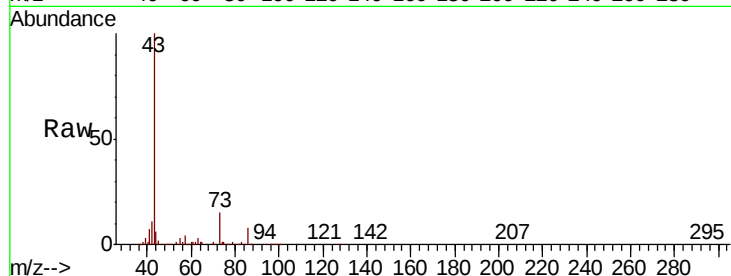




#23
 Vinyl Acetate
 Concen: 2.258 ppbv
 RT: 5.07 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

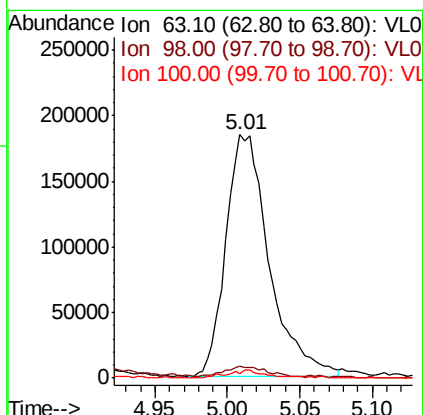
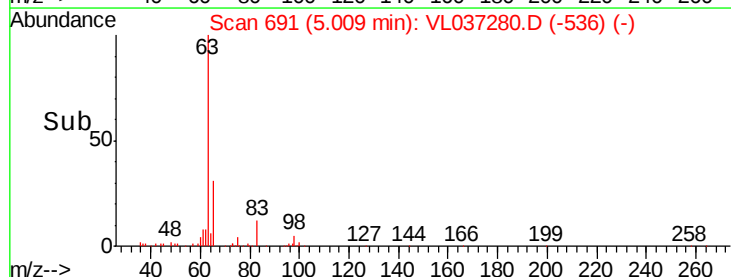
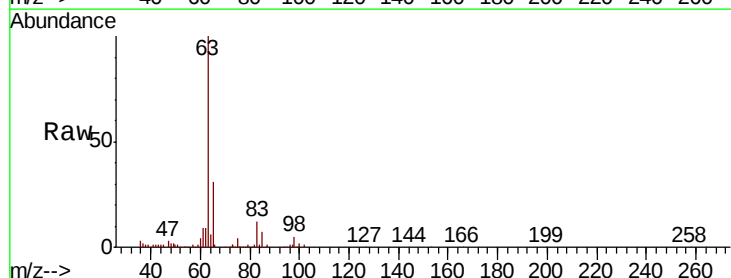
Instrument :
 MSVOA_L
 ClientSampleId :

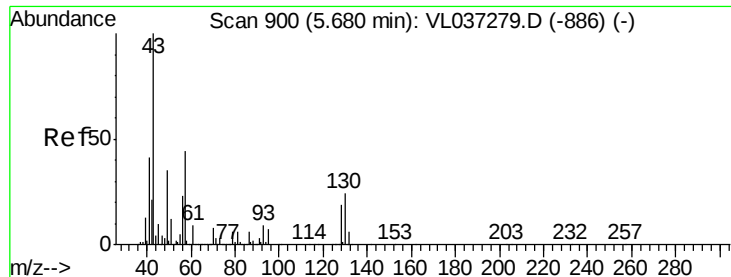
Tot Ion:	43	Resp:	503102
Ion	Ratio	Lower	Upper
43	100		
86	7.9	6.2	9.2
42	10.2	8.2	12.4
44	4.5	3.7	5.5



#24
 1,1-Dichloroethane
 Concen: 2.112 ppbv
 RT: 5.01 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Tgt Ion:	63	Resp:	381628
Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.4	7.1
100	1.9	1.4	4.0

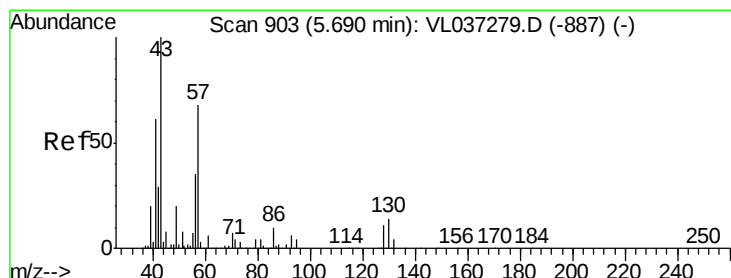
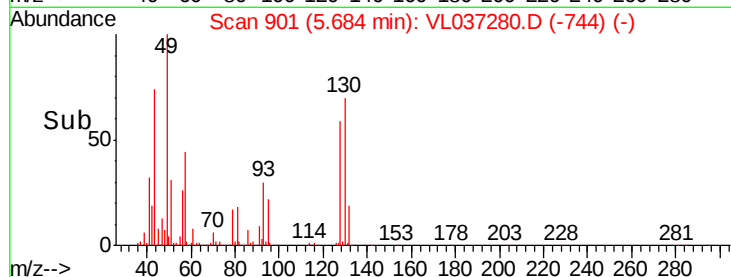
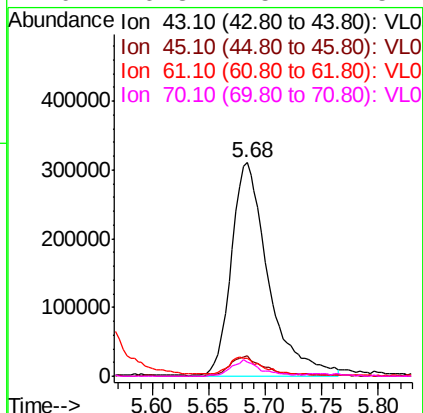
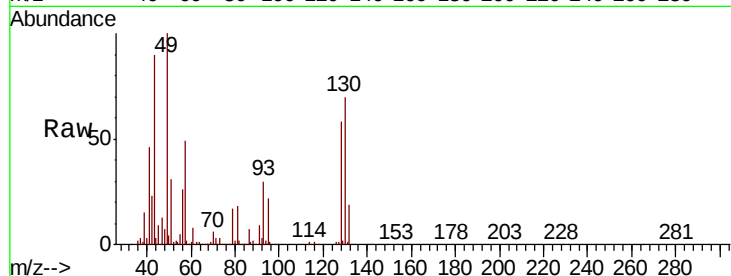




#25
Ethyl Acetate
Concen: 2.074 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

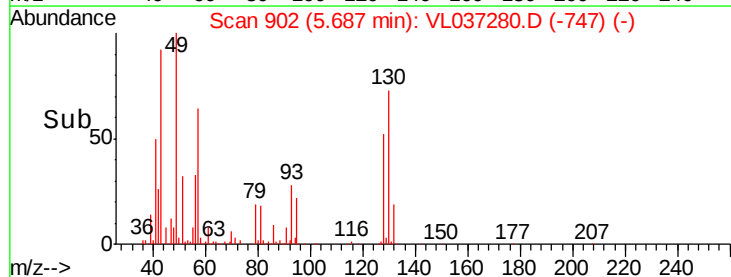
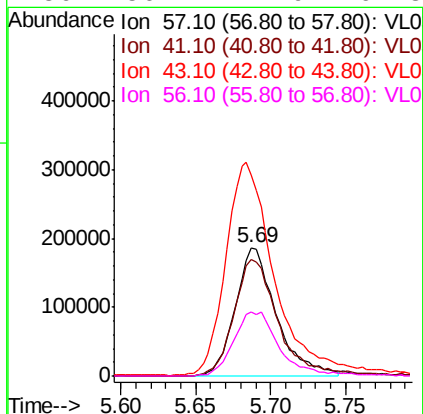
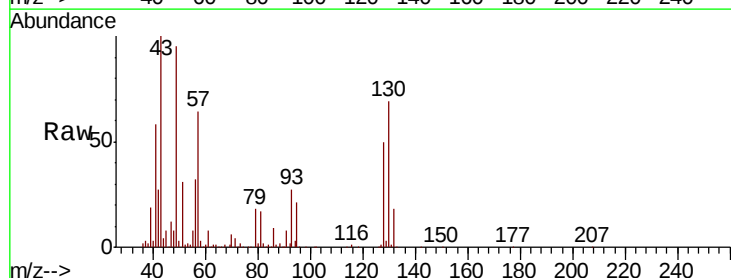
Instrument :
MSVOA_L
ClientSampled :

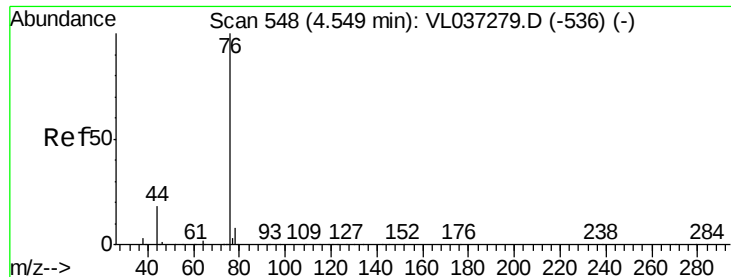
Tot Ion:	43	Resp:	699844
Ion	Ratio	Lower	Upper
43	100		
45	8.9	7.8	11.6
61	8.1	8.0	12.0
70	6.3	5.4	8.2



#26
Hexane
Concen: 2.089 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion:	57	Resp:	355110
Ion	Ratio	Lower	Upper
57	100		
41	100.3	75.7	113.5
43	201.0	172.2	258.2
56	56.7	42.9	64.3





#27

Carbon Disulfide

Concen: 2.031 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

ClientSampleId :

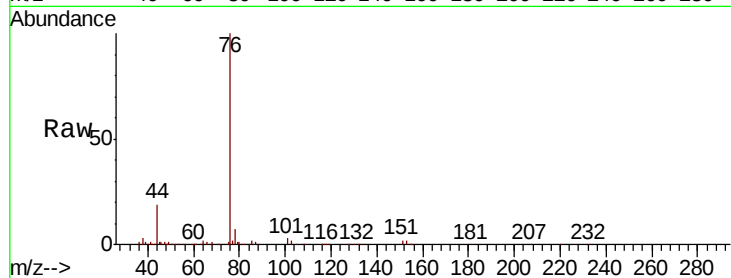
Tot Ion: 76 Resp: 341097

Ion Ratio Lower Upper

76 100

44 21.8 15.8 23.8

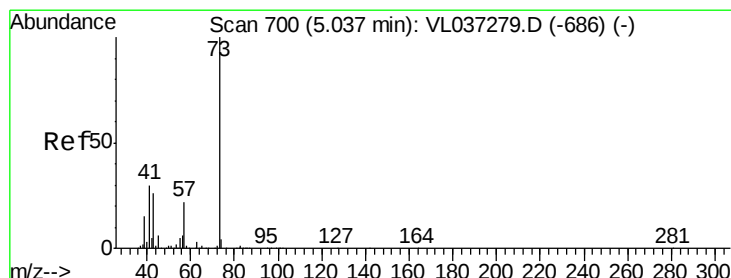
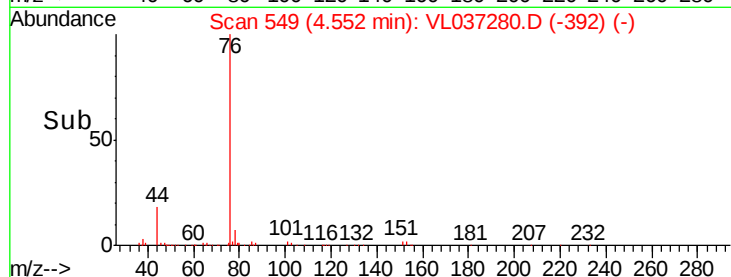
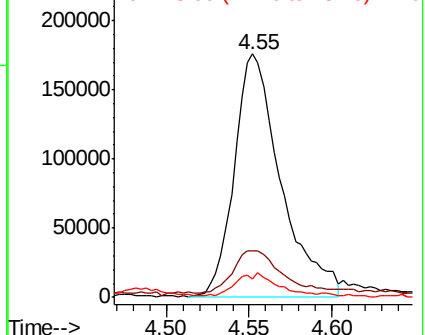
78 10.6 8.4 12.6



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 2.101 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.00 min

Lab File: VL037280.D

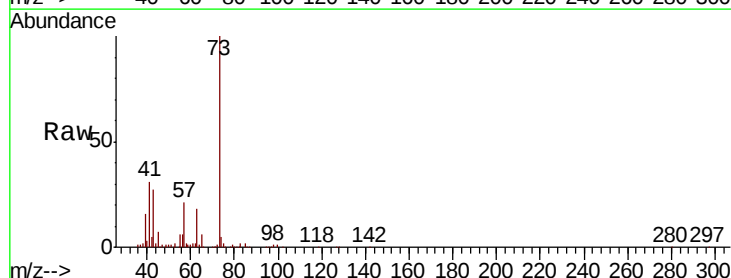
Acq: 27 Jul 2021 3:15

Tgt Ion: 73 Resp: 429476

Ion Ratio Lower Upper

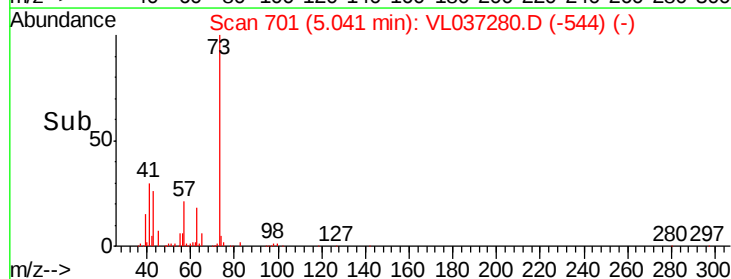
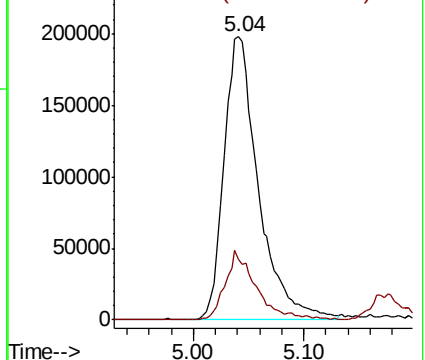
73 100

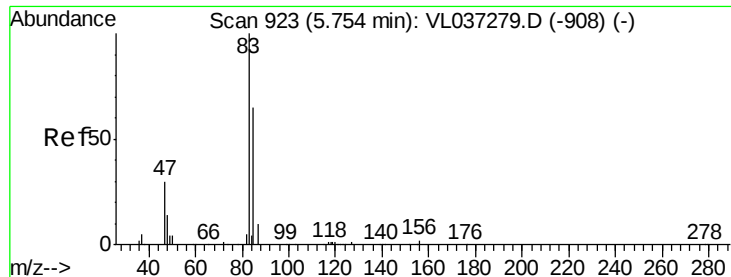
57 22.3 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

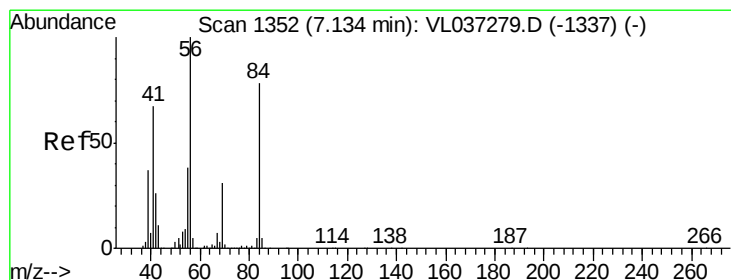
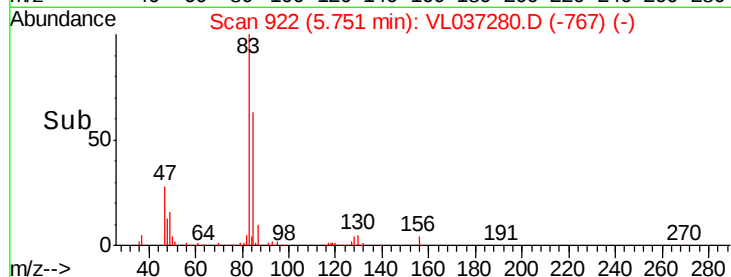
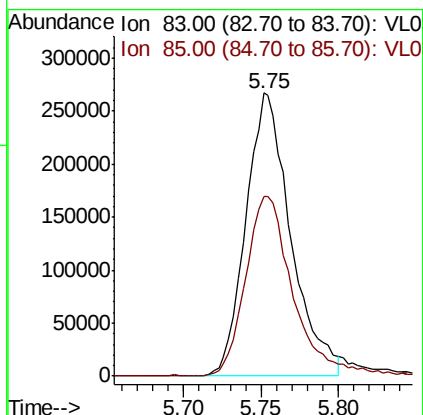
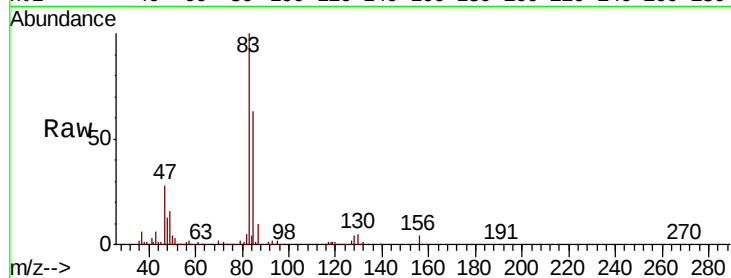




#29
Chloroform
Concen: 2.039 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

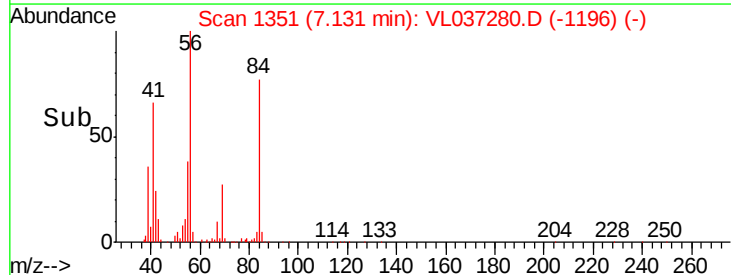
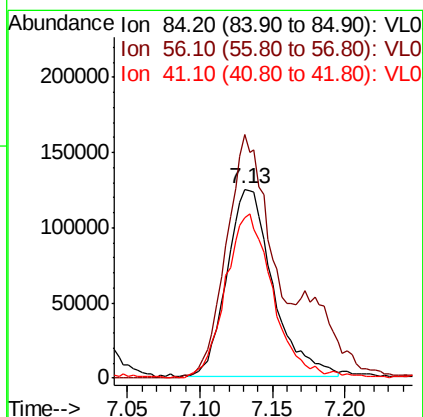
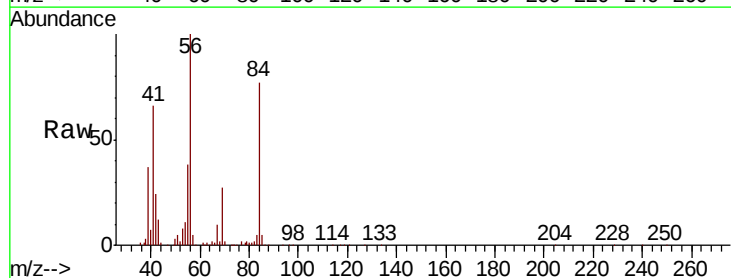
Instrument :
MSVOA_L
ClientSampleId :

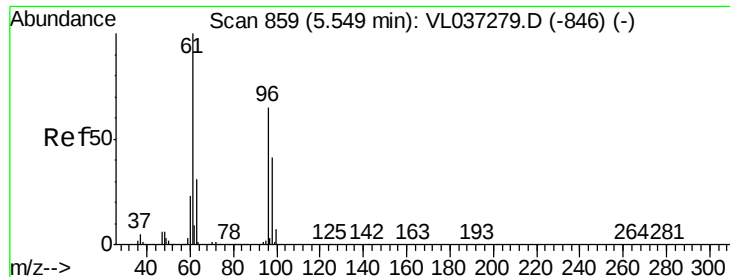
Tot Ion: 83 Resp: 539464
Ion Ratio Lower Upper
83 100
85 63.0 52.2 78.2



#30
Cyclohexane
Concen: 1.940 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion: 84 Resp: 274847
Ion Ratio Lower Upper
84 100
56 164.9 106.3 159.5#
41 90.9 68.6 103.0

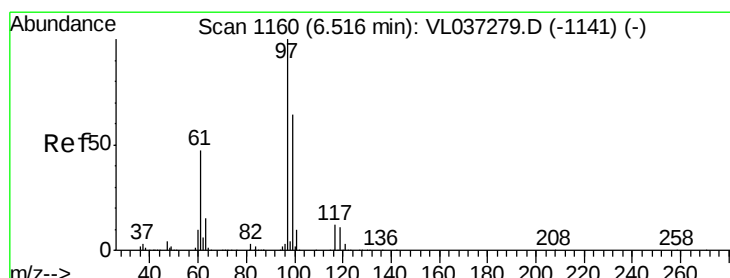
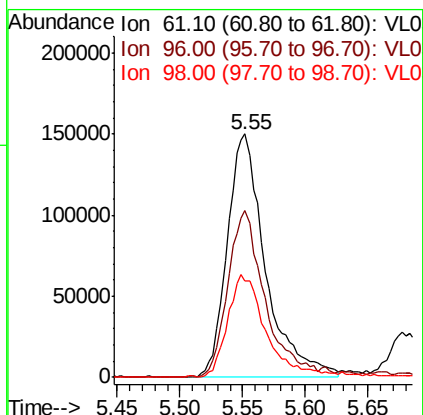
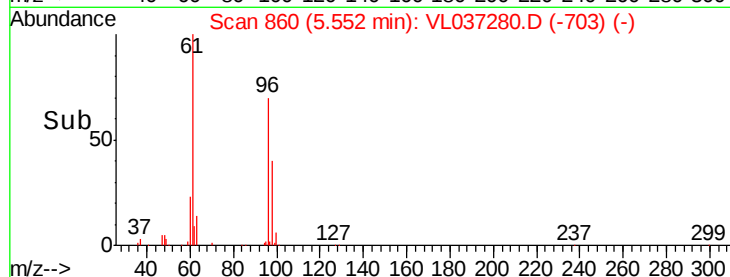
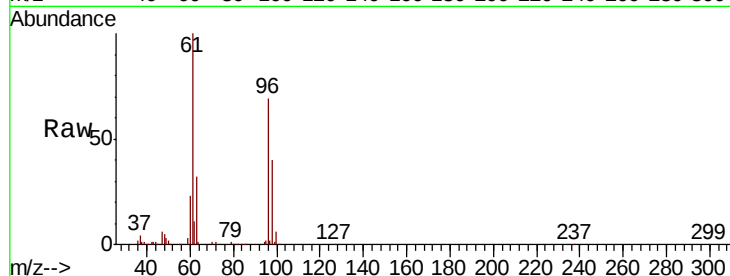




#31
 cis-1,2-Dichloroethene
 Concen: 2.027 ppbv
 RT: 5.55 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

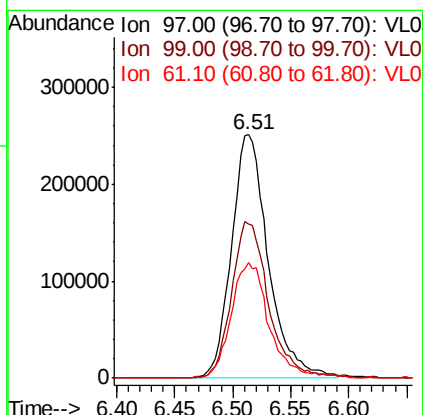
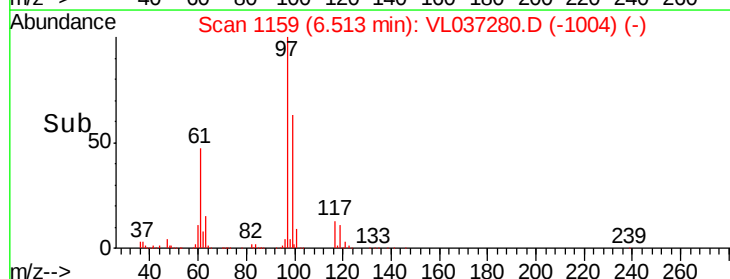
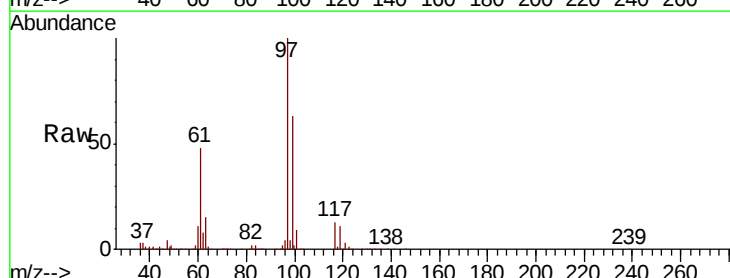
Instrument :
 MSVOA_L
 ClientSampleId :

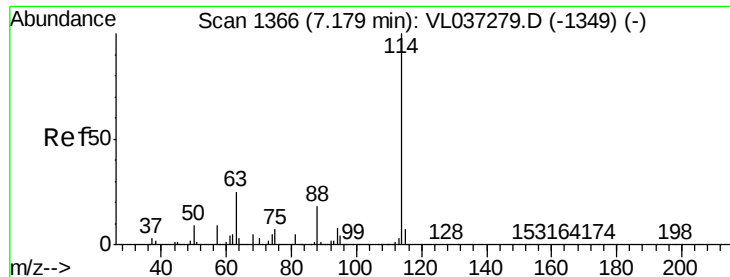
Tot Ion	Ratio	Lower	Upper
61	100		
96	68.6	52.1	78.1
98	39.1	32.6	49.0



#32
 1,1,1-Trichloroethane
 Concen: 1.956 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.2	78.2
61	49.5	39.1	58.7

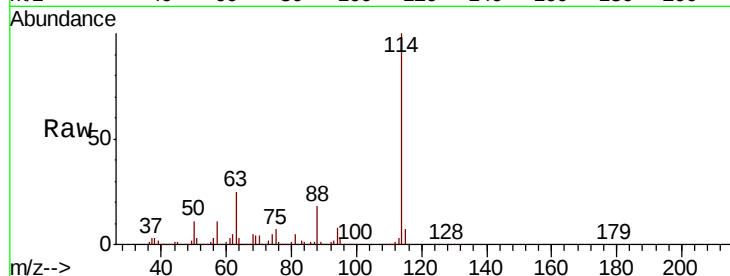




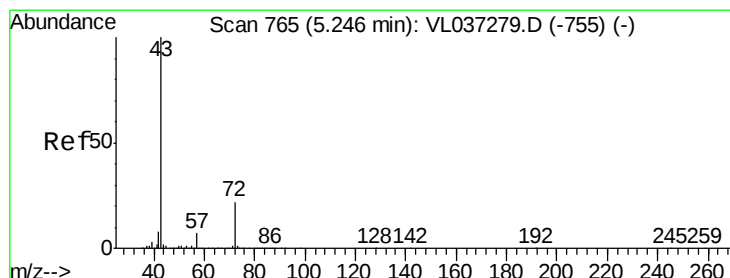
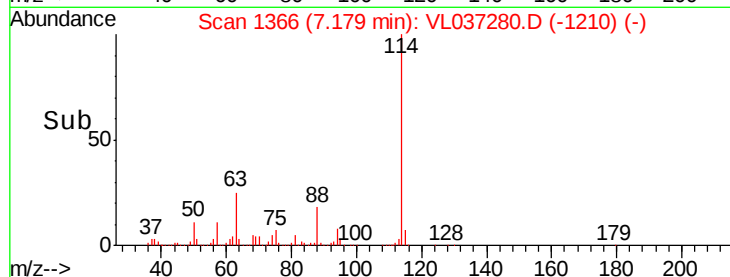
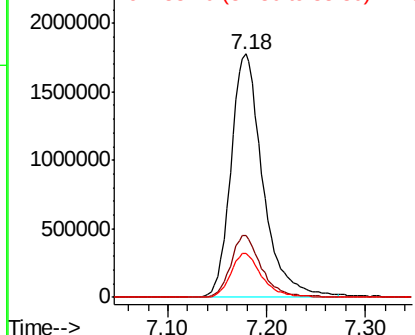
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3990495
 Ion Ratio Lower Upper
 114 100
 63 25.0 20.2 30.2
 88 17.8 14.2 21.4

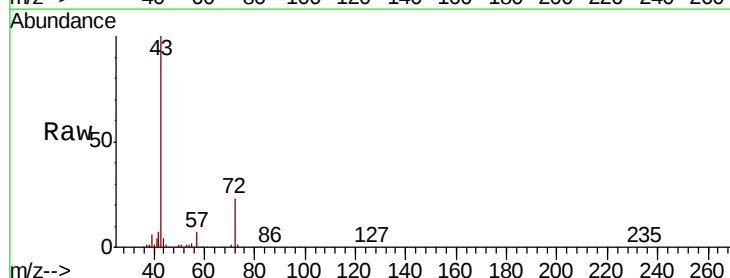


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

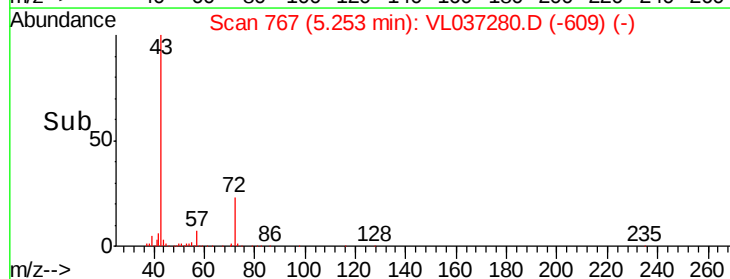
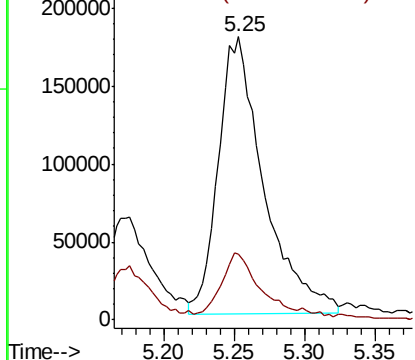


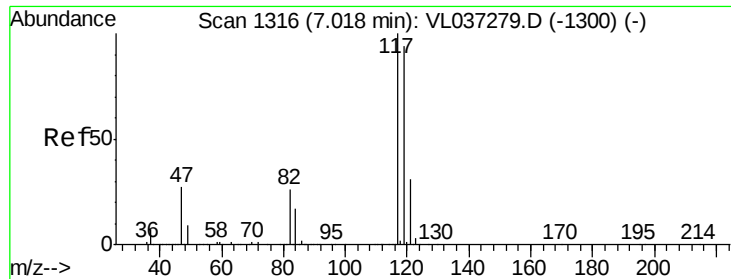
#34
 2-Butanone
 Concen: 2.541 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Tgt Ion: 43 Resp: 402113
 Ion Ratio Lower Upper
 43 100
 72 24.3 17.9 26.9



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

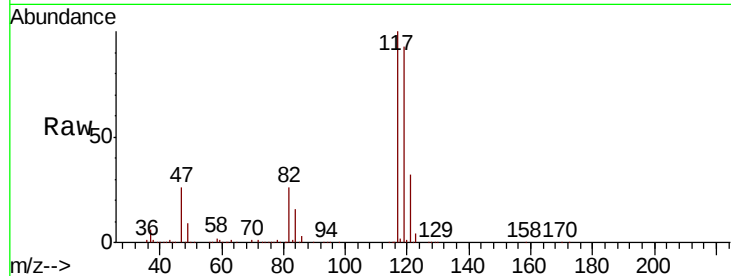




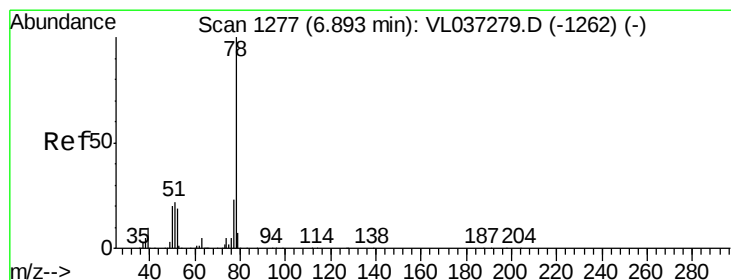
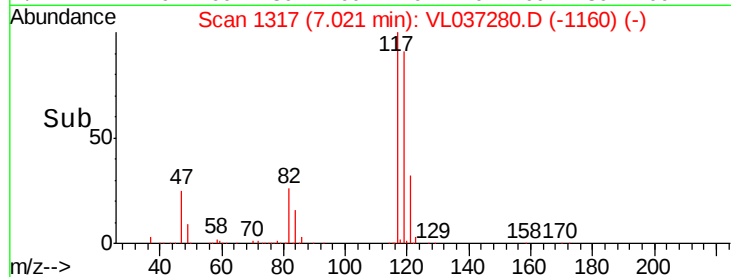
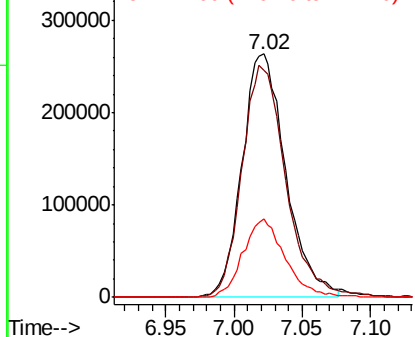
#35
Carbon Tetrachloride
Concen: 2.166 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 587375
Ion Ratio Lower Upper
117 100
119 93.3 75.4 113.0
121 32.0 24.8 37.2

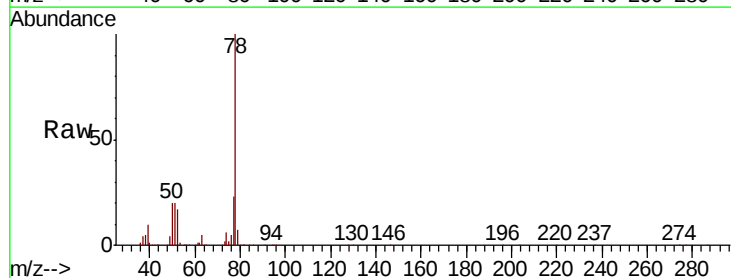


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

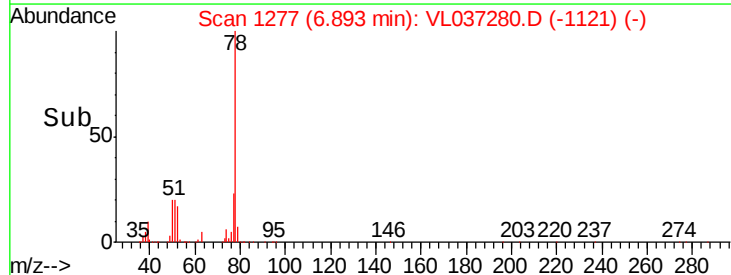
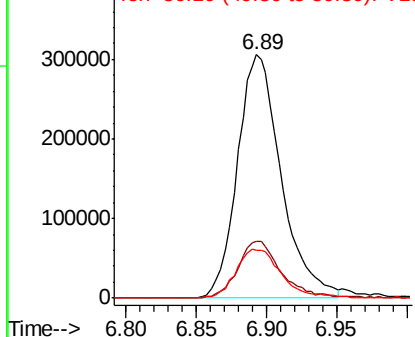


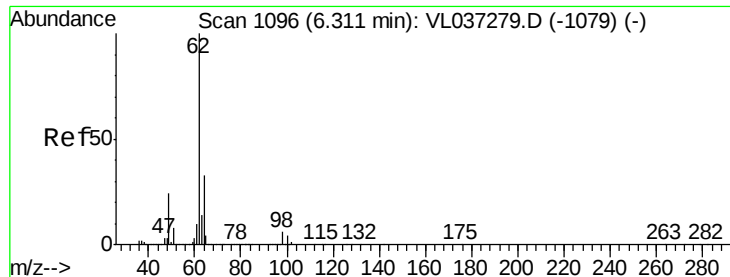
#36
Benzene
Concen: 2.045 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion: 78 Resp: 664369
Ion Ratio Lower Upper
78 100
77 23.3 18.5 27.7
50 19.3 16.2 24.4



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

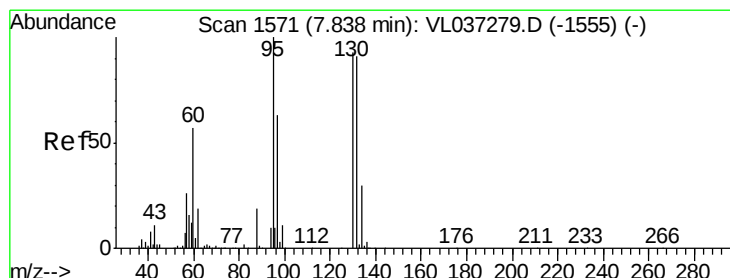
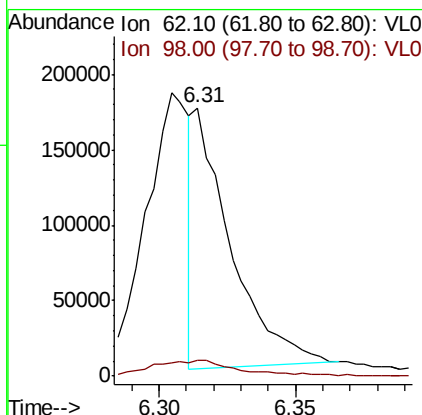
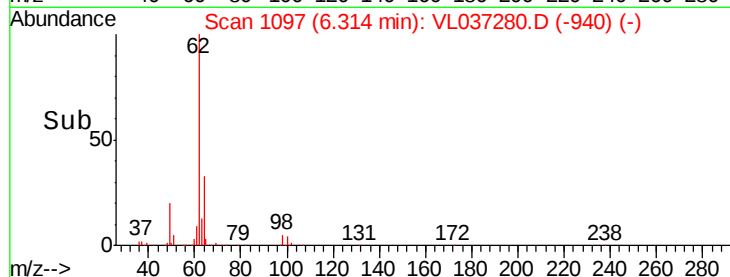
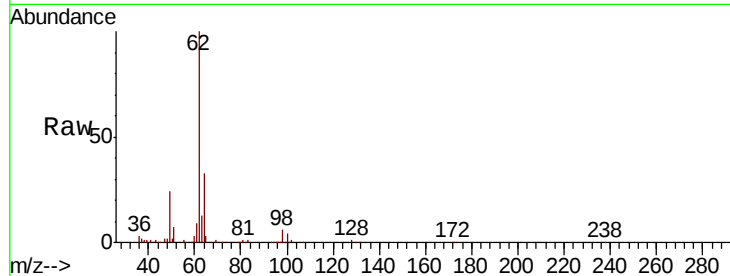




#37
 1,2-Dichloroethane
 Concen: 0.848 ppbv
 RT: 6.31 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

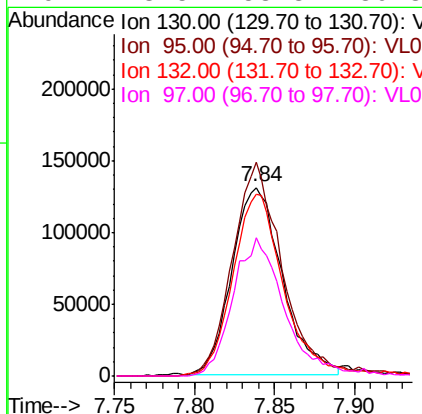
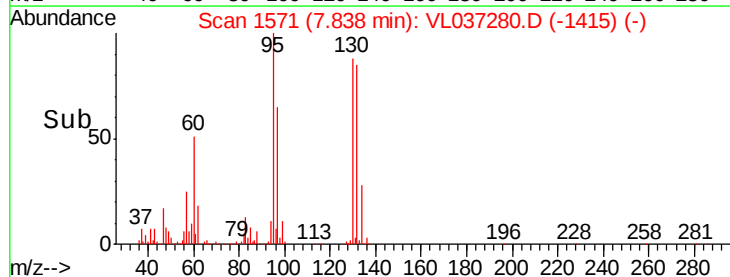
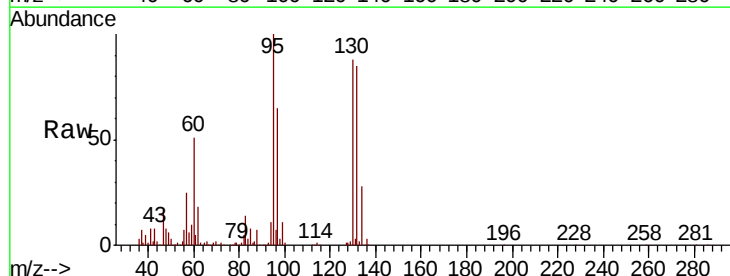
Instrument :
 MSVOA_L
 ClientSampleId :

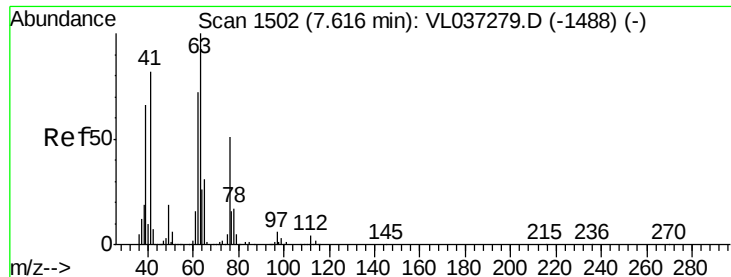
Tot Ion: 62 Resp: 161977
 Ion Ratio Lower Upper
 62 100
 98 15.1 4.9 7.3#



#38
 Trichloroethene
 Concen: 1.836 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Tgt Ion: 130 Resp: 283570
 Ion Ratio Lower Upper
 130 100
 95 113.3 86.2 129.2
 132 95.8 78.0 117.0
 97 73.5 53.8 80.8

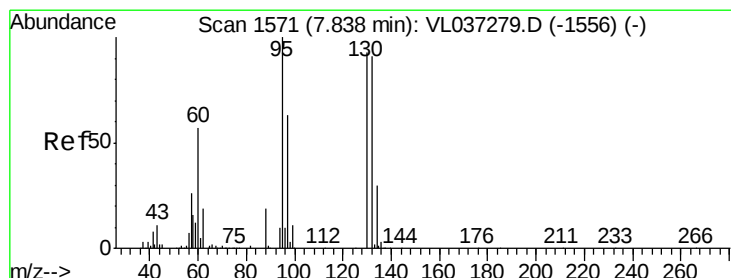
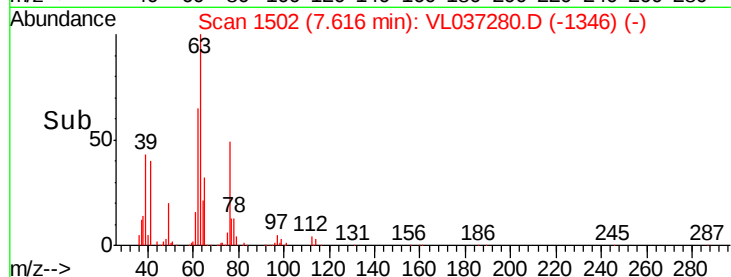
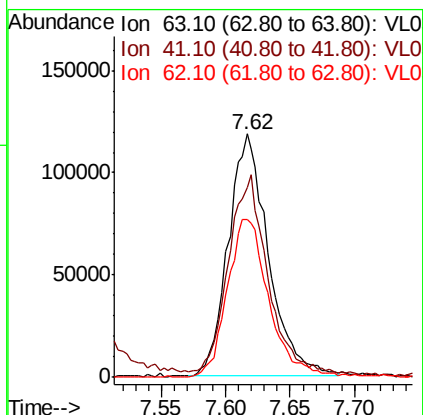
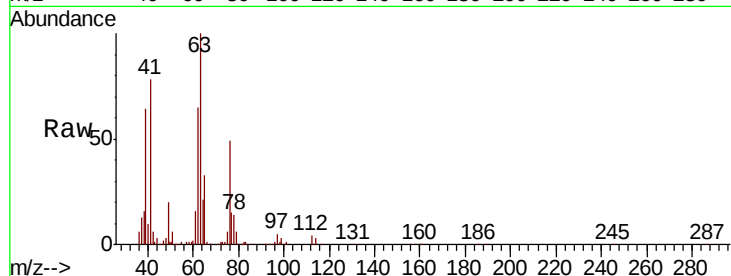




#39
 1,2-Dichloropropane
 Concen: 2.115 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

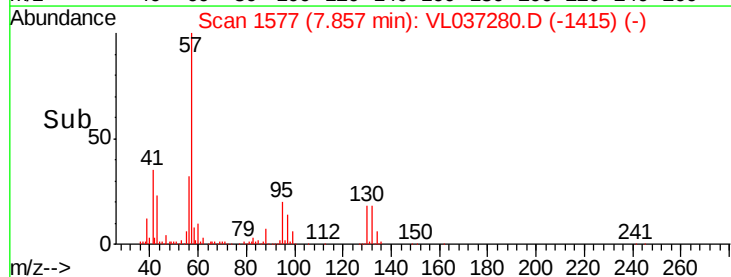
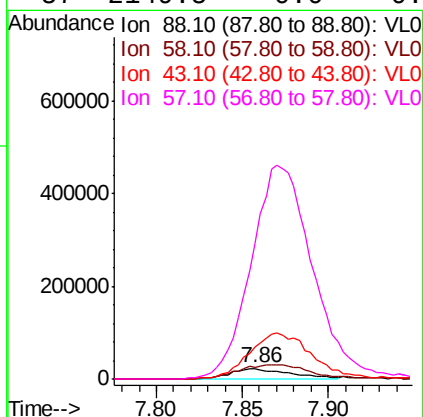
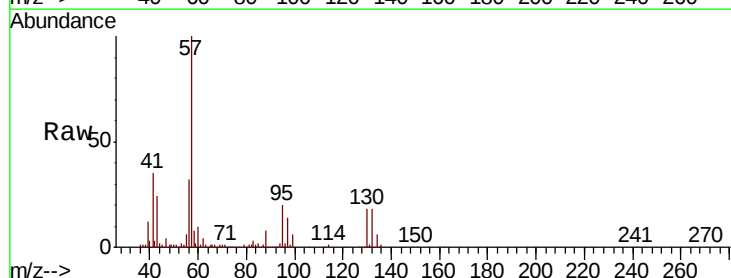
Instrument :
 MSVOA_L
 ClientSampleId :

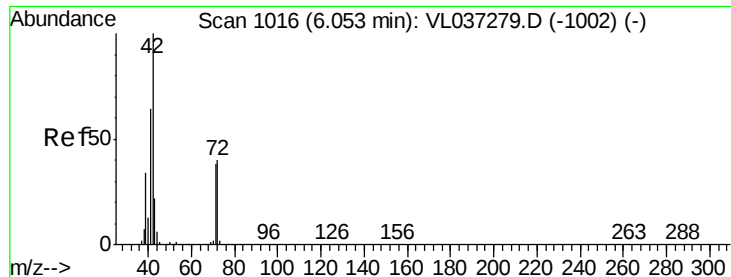
Tot Ion	Ratio	Lower	Upper
63	100		
41	76.7	65.6	98.4
62	65.1	57.9	86.9



#40
 1,4-Dioxane
 Concen: 1.648 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.02 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Tgt Ion	Ratio	Lower	Upper
88	100		
58	171.0	0.0	0.0#
43	474.6	0.0	0.0#
57	2149.5	0.0	0.0#





#41

Tetrahydrofuran

Concen: 0.615 ppbv

RT: 6.06 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

ClientSampleId :

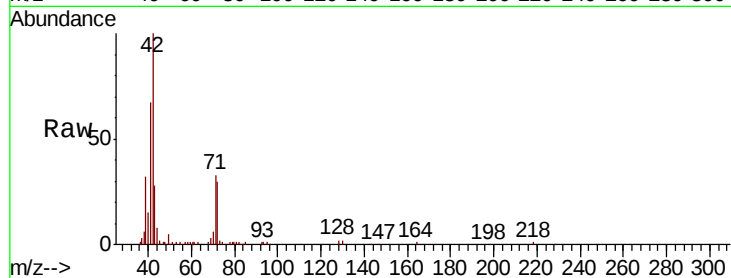
Tot Ion: 42 Resp: 44789

Ion Ratio Lower Upper

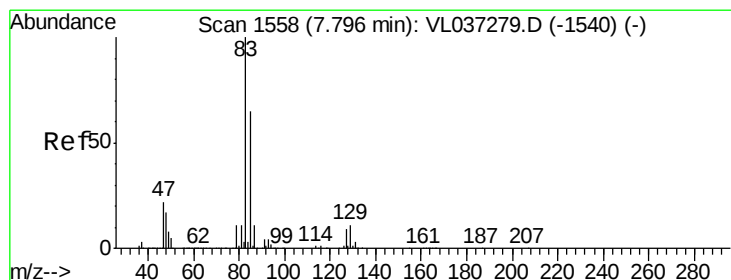
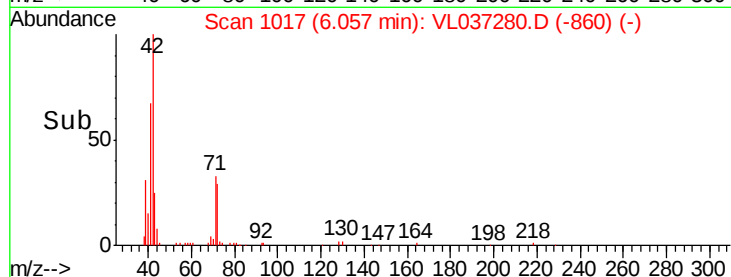
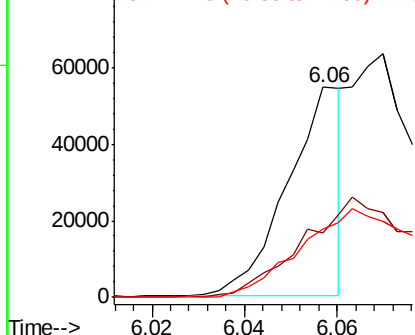
42 100

72 0.0 31.4 47.0#

71 0.0 31.0 46.6#



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



#42

Bromodichloromethane

Concen: 2.126 ppbv

RT: 7.80 min Scan# 1558

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

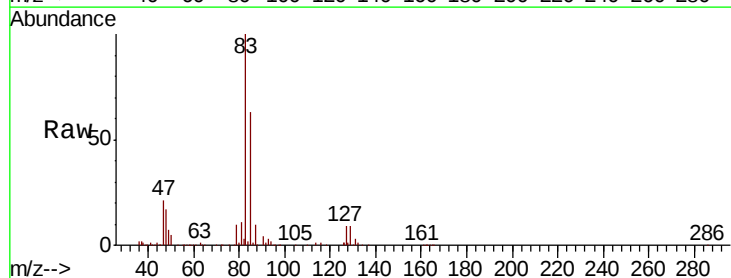
Tgt Ion: 83 Resp: 555508

Ion Ratio Lower Upper

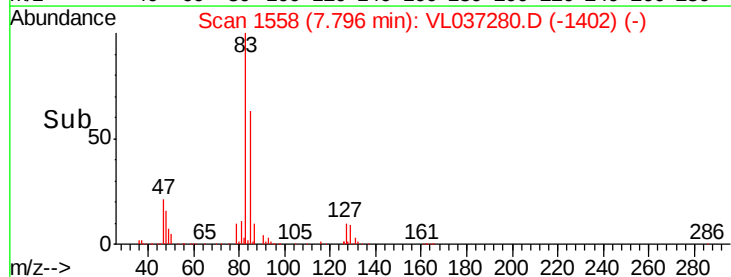
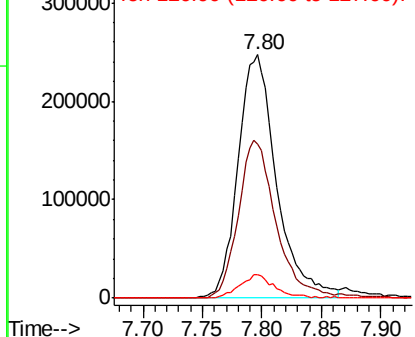
83 100

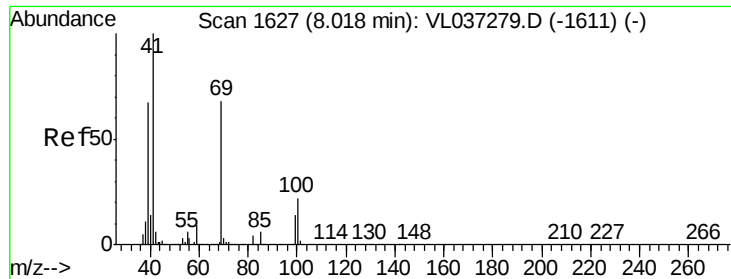
85 63.2 51.7 77.5

127 9.5 7.4 11.0



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

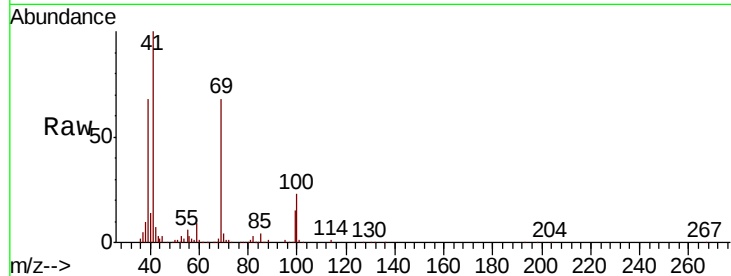




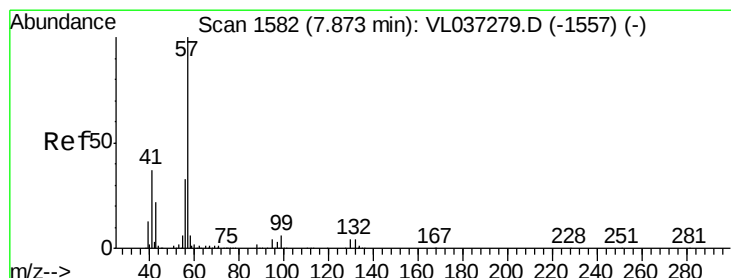
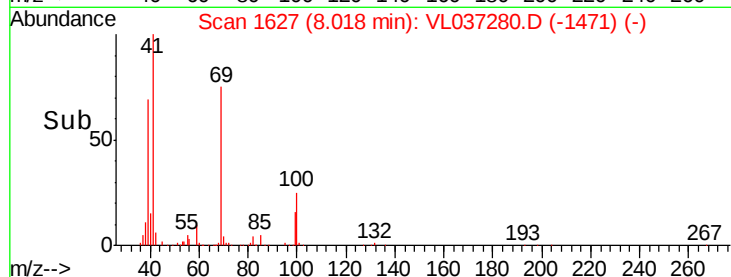
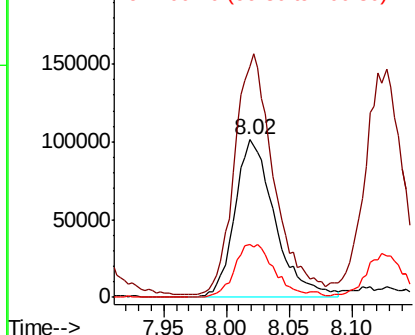
#43
Methvl Methacrilate
Concen: 2.007 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 69 Resp: 225304
Ion Ratio Lower Upper
69 100
41 151.4 121.5 182.3
100 34.7 27.4 41.2

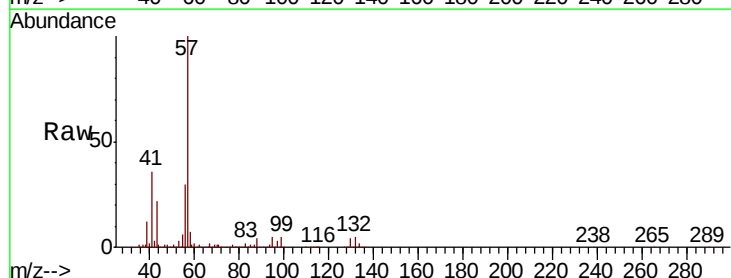


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

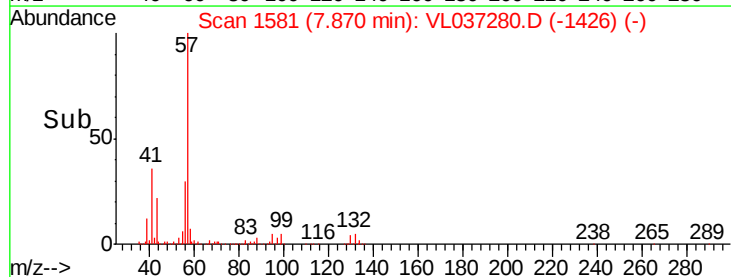
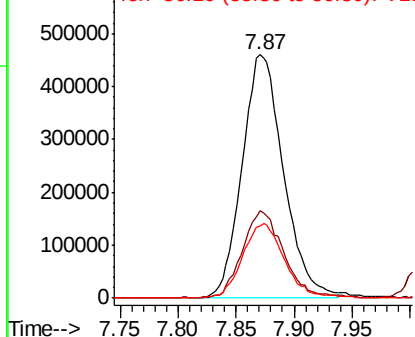


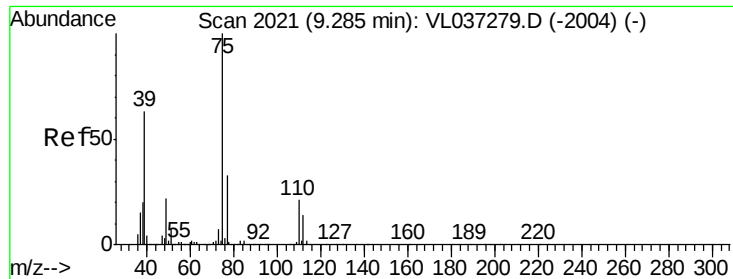
#44
2,2,4-Trimethylpentane
Concen: 2.084 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion: 57 Resp: 1143287
Ion Ratio Lower Upper
57 100
41 35.9 28.9 43.3
56 31.5 25.1 37.7



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

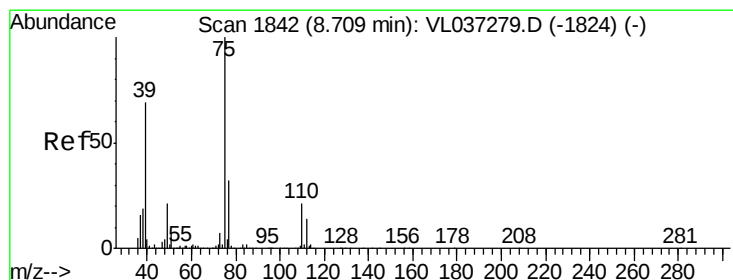
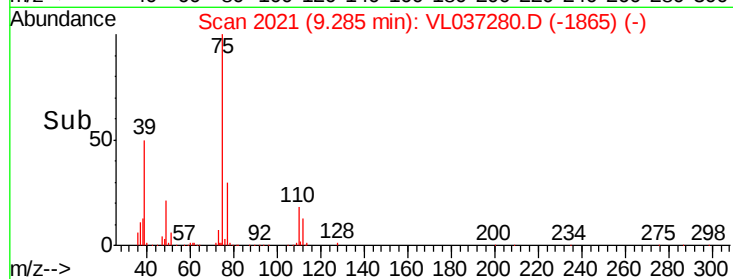
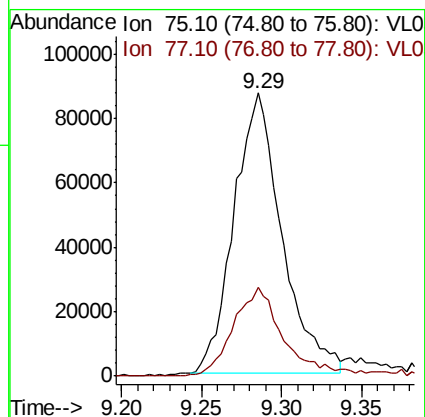
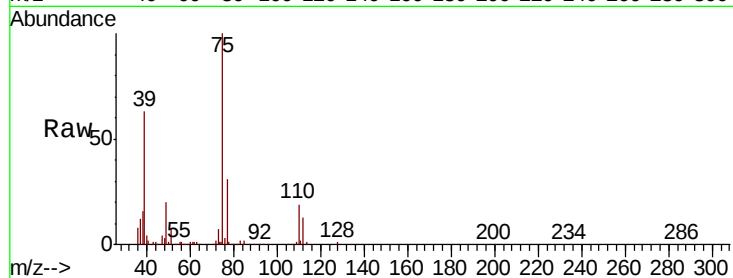




#45
 t-1,3-Dichloropropene
 Concen: 1.852 ppbv
 RT: 9.29 min Scan# 2021
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

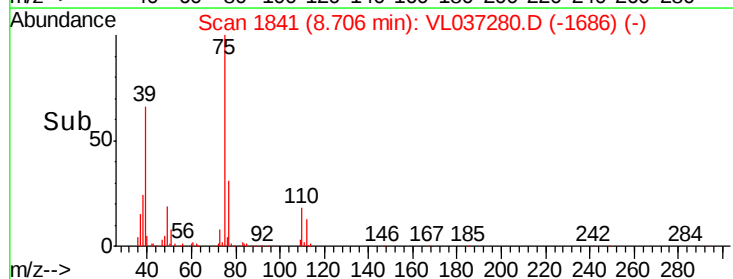
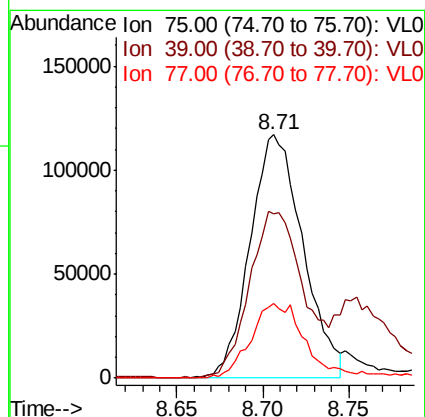
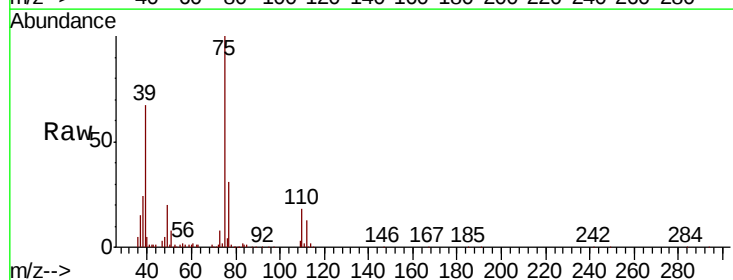
Instrument :
 MSVOA_L
 ClientSampleId :

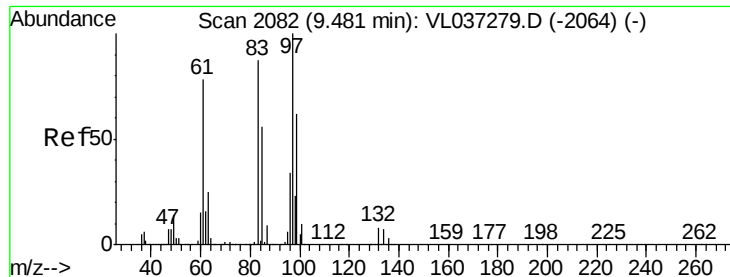
Tot Ion: 75 Resp: 179370
 Ion Ratio Lower Upper
 75 100
 77 31.5 26.2 39.4



#46
 cis-1,3-Dichloropropene
 Concen: 1.873 ppbv
 RT: 8.71 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Tgt Ion: 75 Resp: 249006
 Ion Ratio Lower Upper
 75 100
 39 66.8 55.3 82.9
 77 30.8 25.7 38.5





#47

1,1,2-Trichloroethane

Concen: 2.042 ppbv

RT: 9.48 min Scan# 2081

Delta R.T. -0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 282251

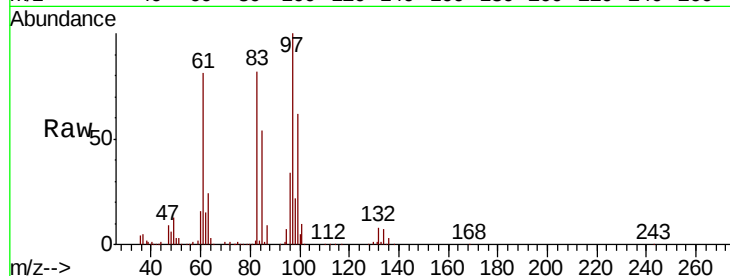
Ion	Ratio	Lower	Upper
97	100		
83	81.4	69.8	104.8
85	54.0	44.9	67.3
99	61.7	49.8	74.6

97 100

83 81.4 69.8 104.8

85 54.0 44.9 67.3

99 61.7 49.8 74.6



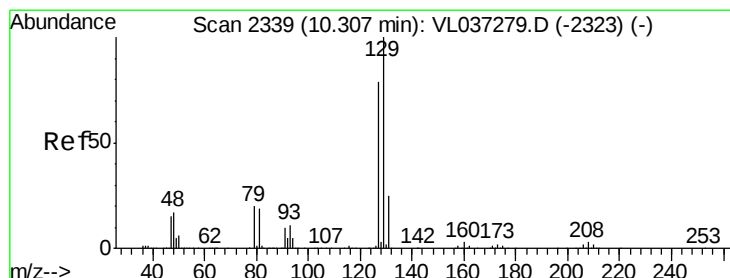
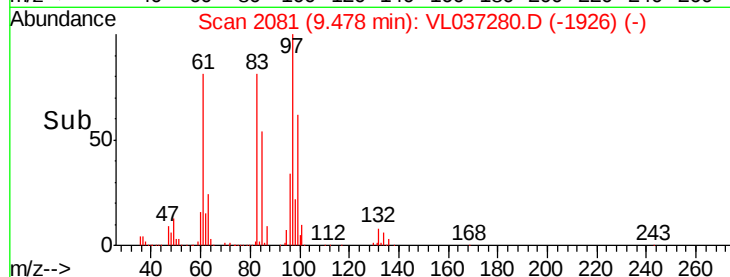
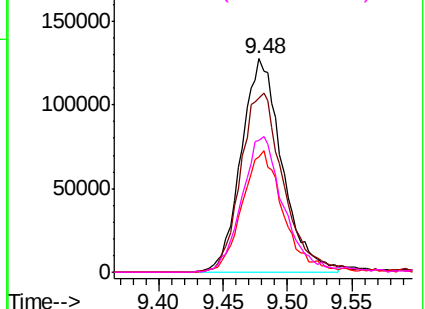
Abundance

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: 2.115 ppbv

RT: 10.31 min Scan# 2340

Delta R.T. 0.00 min

Lab File: VL037280.D

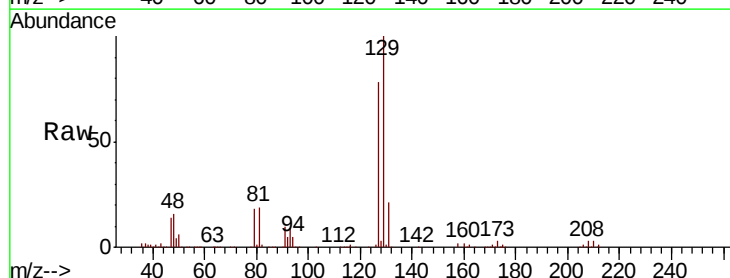
Acq: 27 Jul 2021 3:15

Tgt Ion: 129 Resp: 464463

Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.3	117.8

129 100

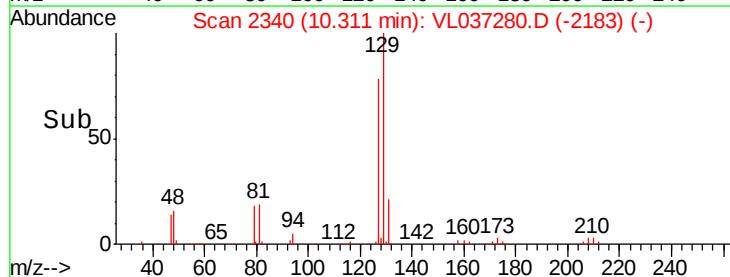
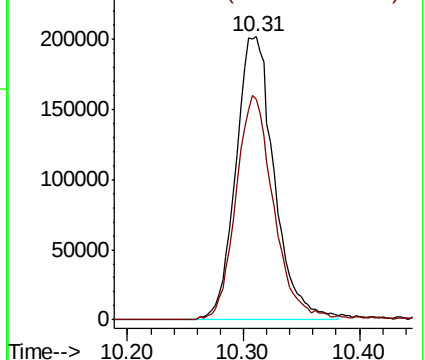
127 79.1 39.3 117.8

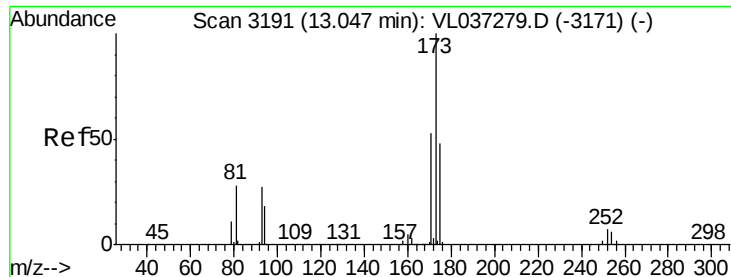


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 2.141 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

ClientSampleId :

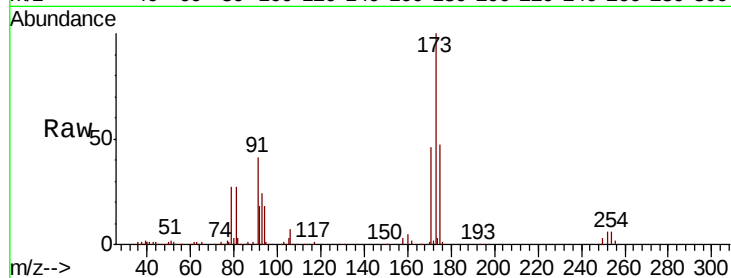
Tot Ion:173 Resp: 354766

Ion Ratio Lower Upper

173 100

175 50.5 39.7 59.5

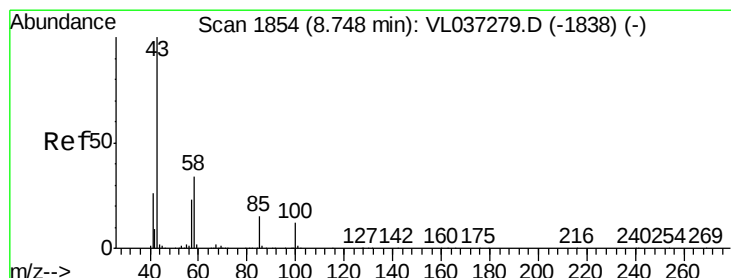
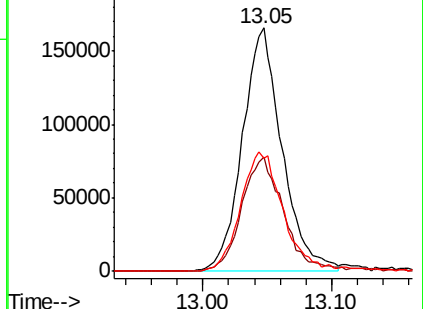
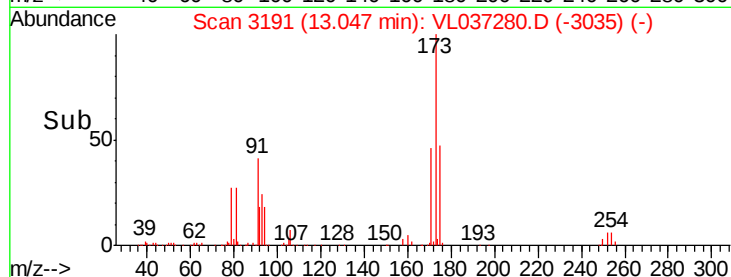
171 54.1 41.9 62.9



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: 2.230 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.01 min

Lab File: VL037280.D

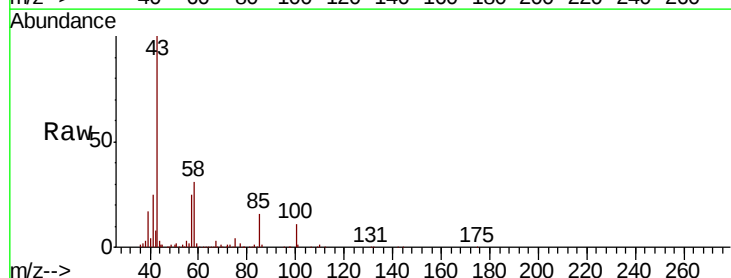
Acq: 27 Jul 2021 3:15

Tgt Ion: 43 Resp: 485554

Ion Ratio Lower Upper

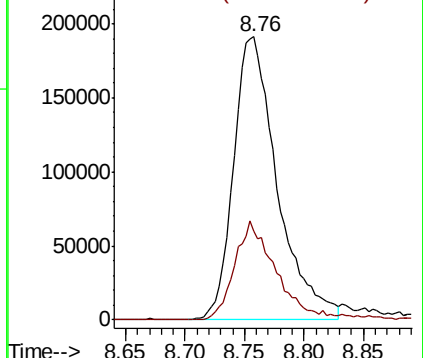
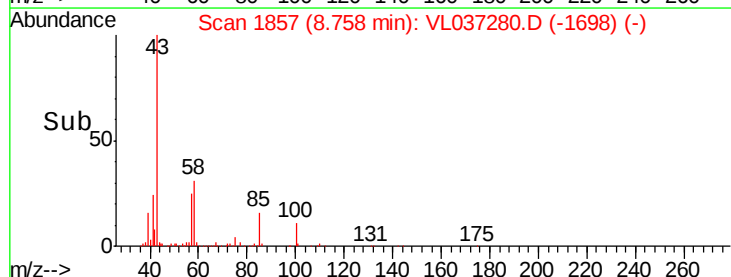
43 100

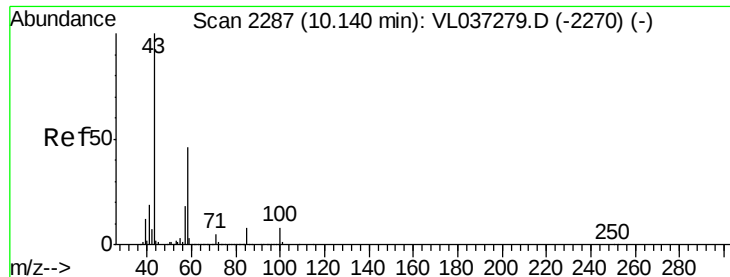
58 35.0 28.1 42.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 1.965 ppbv

RT: 10.16 min Scan# 2293

Delta R.T. 0.02 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

ClientSampleId :

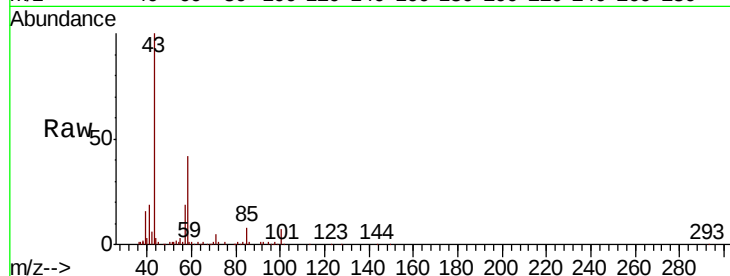
Tot Ion: 43 Resp: 209255

Ion Ratio Lower Upper

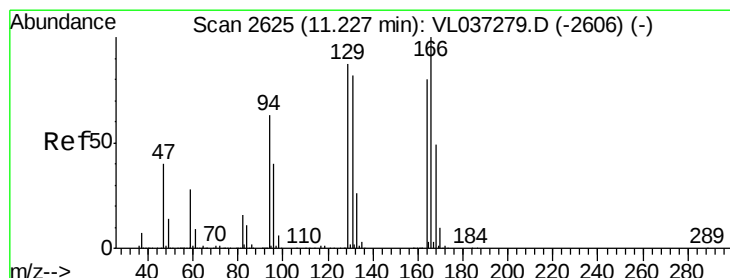
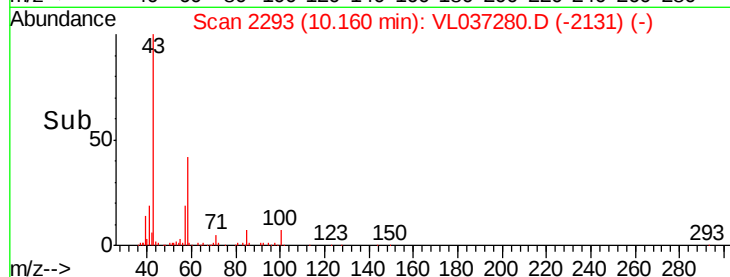
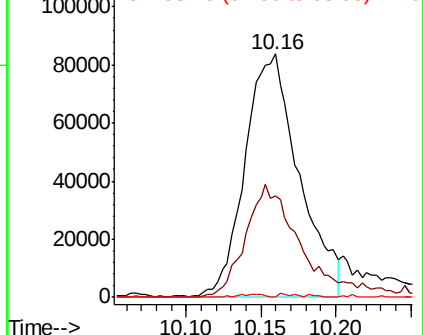
43 100

58 48.7 37.1 55.7

98 1.4 0.4 0.6#



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: 1.839 ppbv

RT: 11.23 min Scan# 2625

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Tgt Ion: 164 Resp: 276935

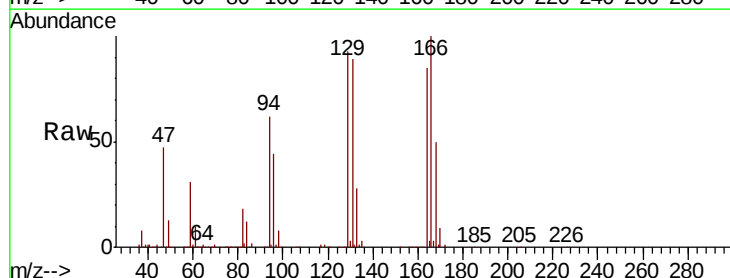
Ion Ratio Lower Upper

164 100

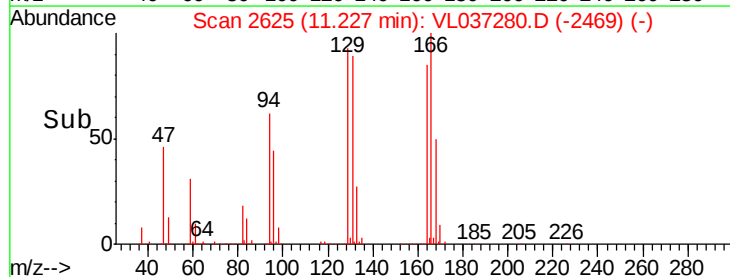
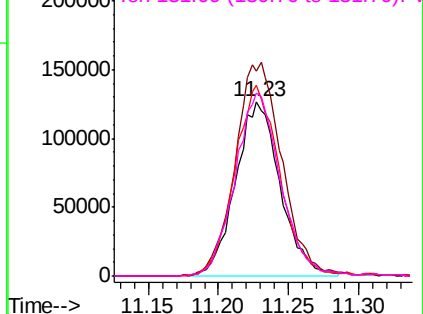
166 117.4 100.6 151.0

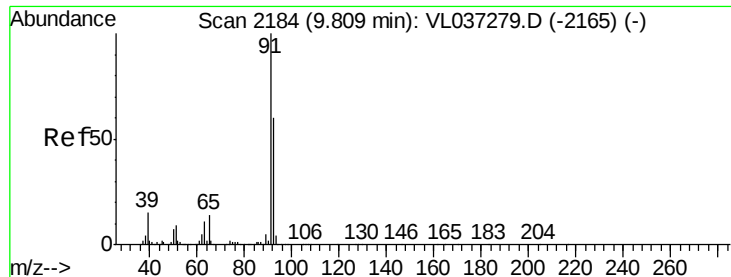
129 109.0 87.8 131.6

131 104.8 82.6 123.8



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 2.028 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

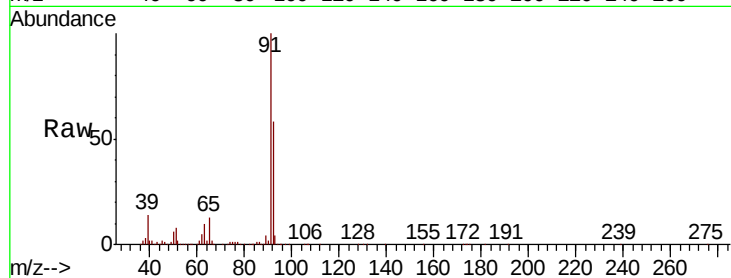
ClientSampled :

Tot Ion: 91 Resp: 788613

Ion Ratio Lower Upper

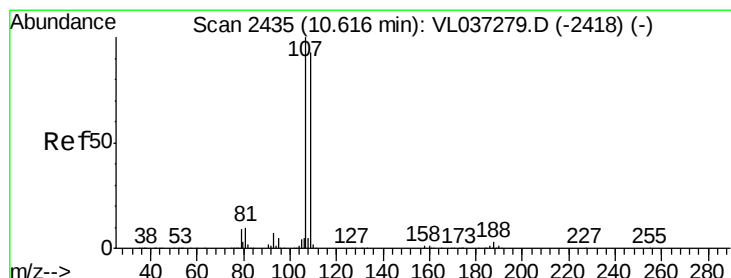
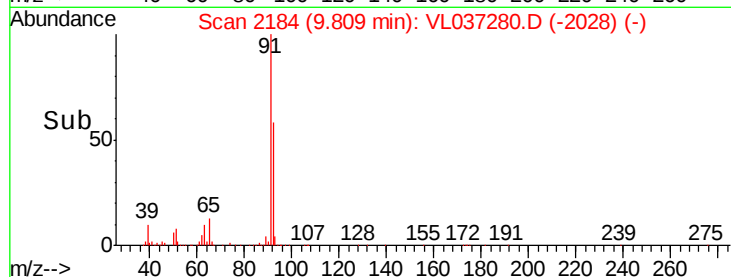
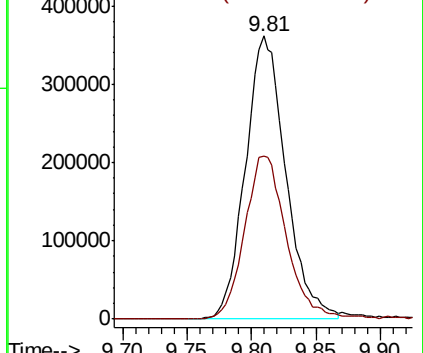
91 100

92 60.5 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 2.132 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.00 min

Lab File: VL037280.D

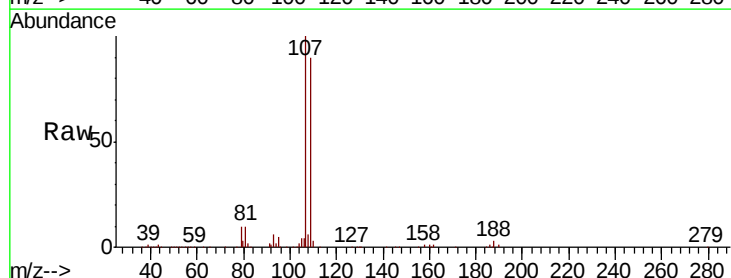
Acq: 27 Jul 2021 3:15

Tgt Ion: 107 Resp: 424177

Ion Ratio Lower Upper

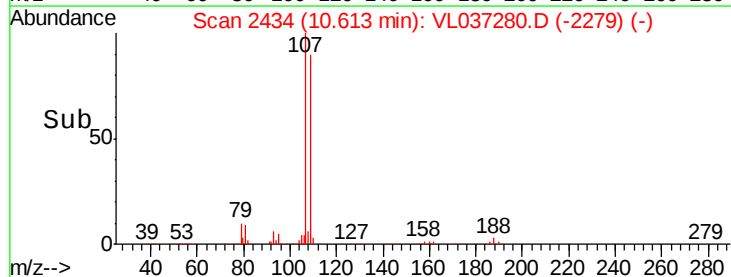
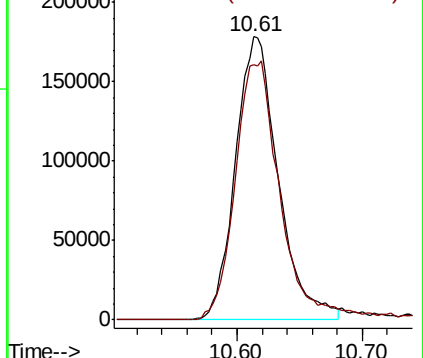
107 100

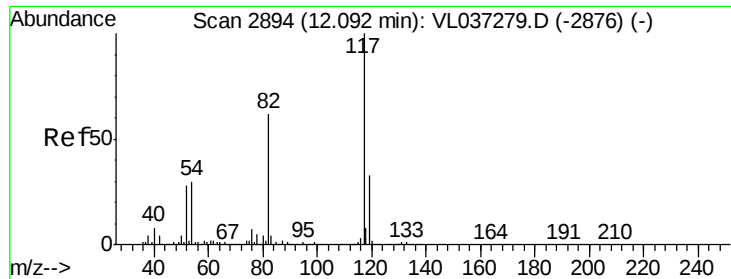
109 90.1 74.2 111.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

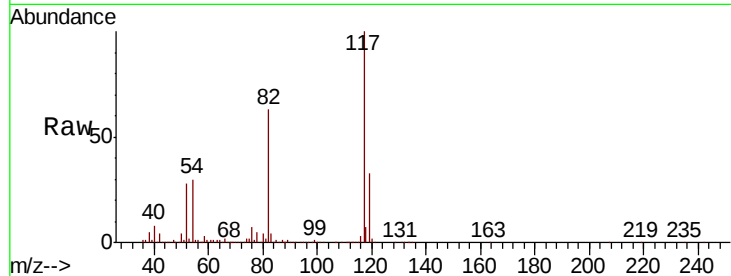




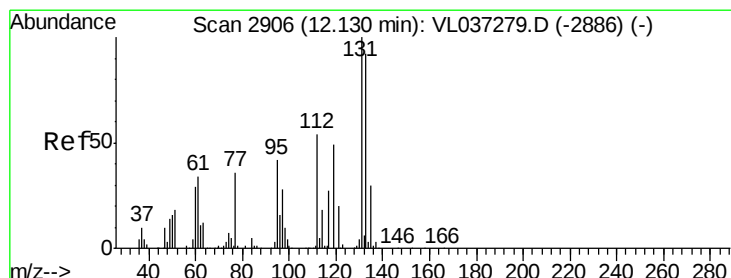
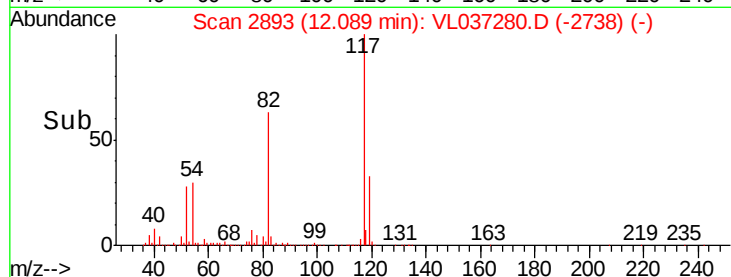
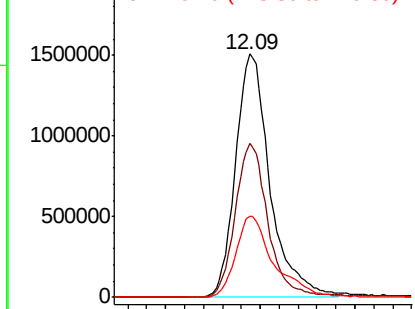
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3818756
Ion Ratio Lower Upper
117 100
82 61.1 52.3 78.5
119 36.9 26.5 39.7

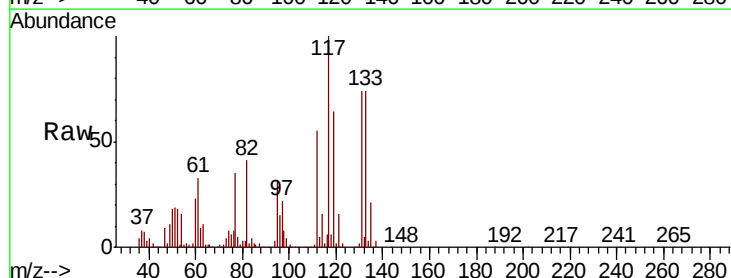


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

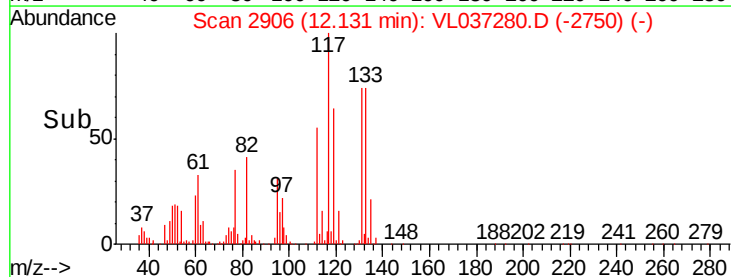
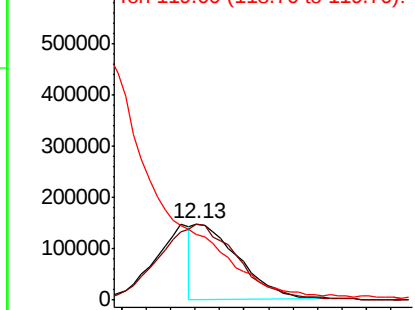


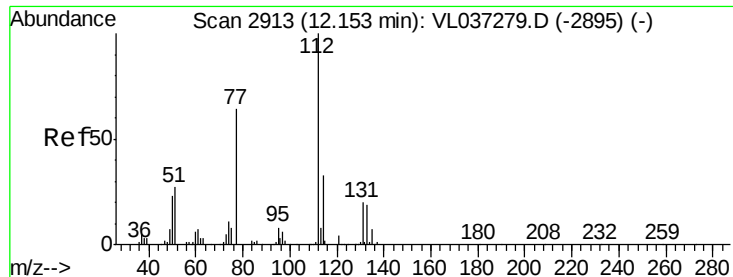
#56
1,1,1,2-Tetrachloroethane
Concen: 1.117 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion:131 Resp: 189287
Ion Ratio Lower Upper
131 100
133 178.4 76.4 114.6#
119 0.0 106.1 159.1#



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V

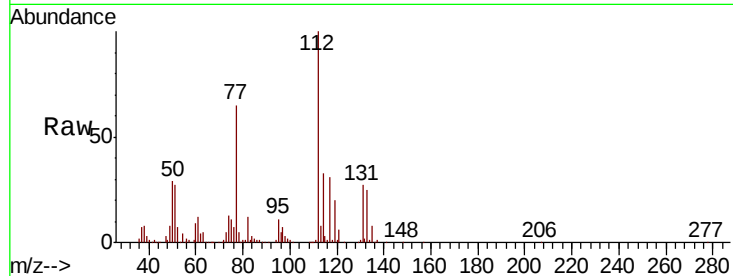




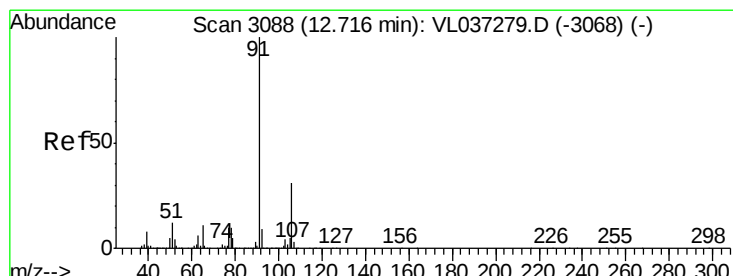
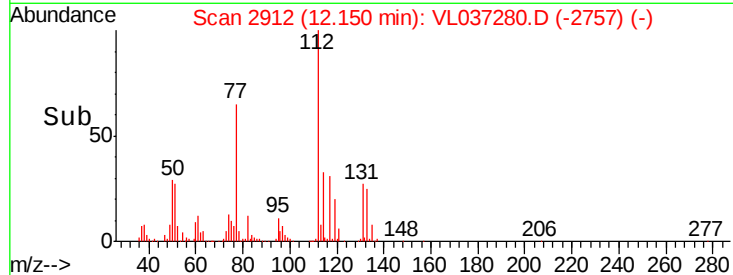
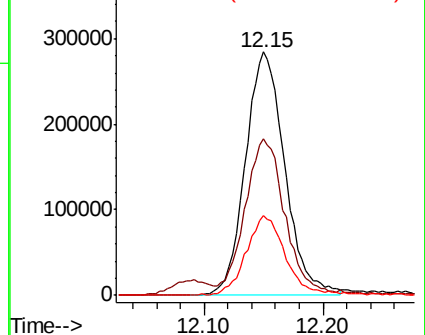
#57
Chlorobenzene
Concen: 2.078 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:112 Resp: 650170
Ion Ratio Lower Upper
112 100
77 62.8 51.7 77.5
114 32.7 29.3 35.9

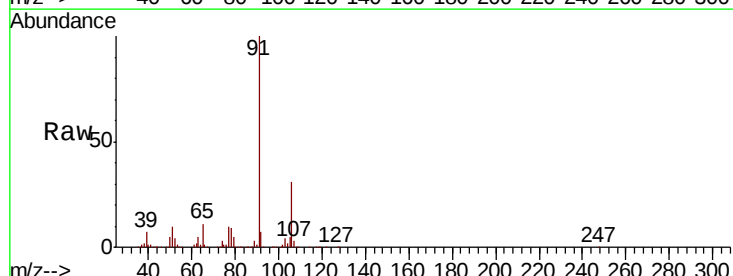


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

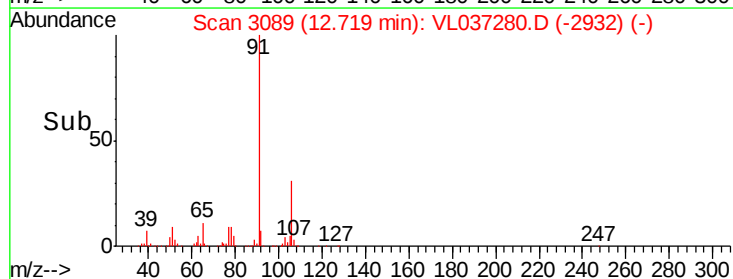
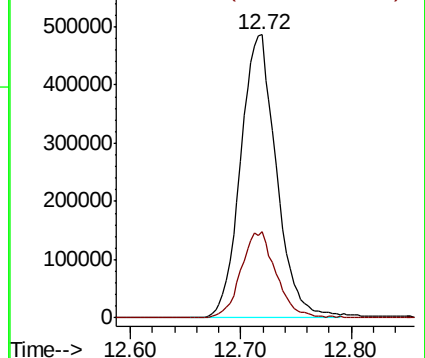


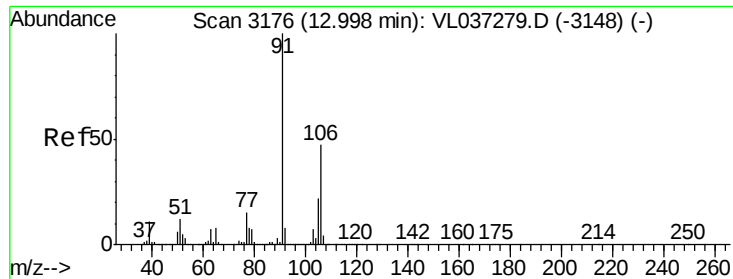
#58
Ethyl Benzene
Concen: 2.061 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. 0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion: 91 Resp: 1093099
Ion Ratio Lower Upper
91 100
106 30.7 24.5 36.7



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

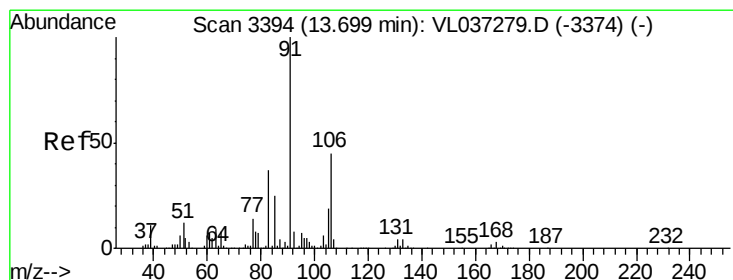
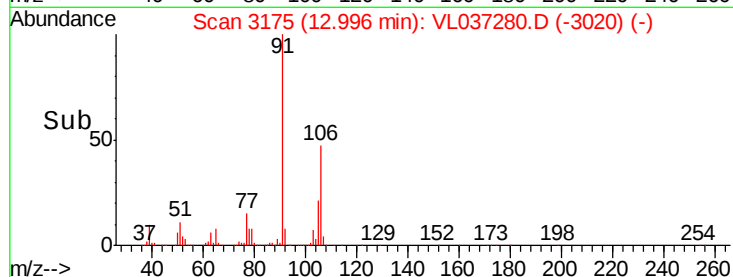
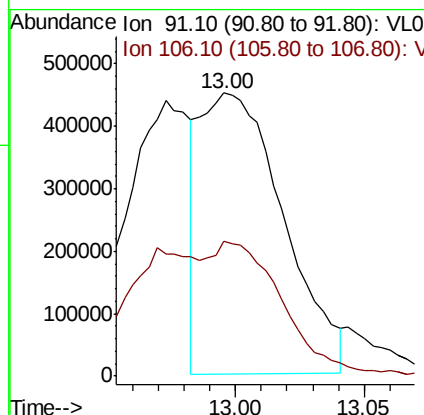
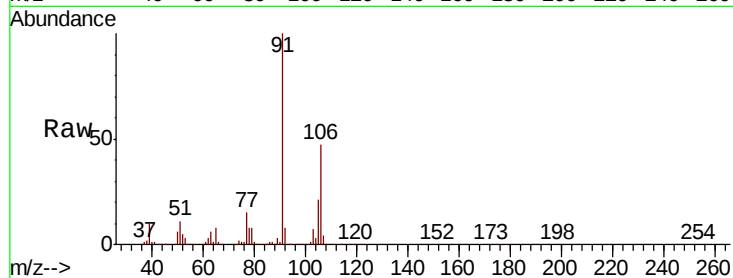




#59
m/p-Xylene
Concen: 2.237 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

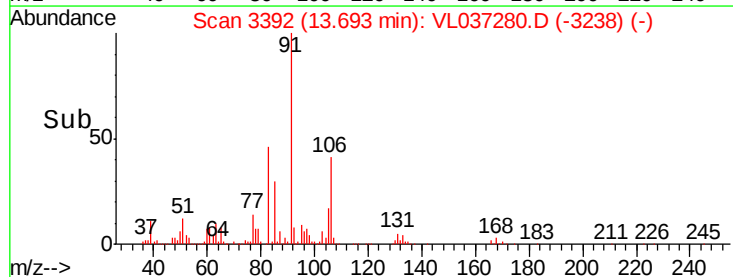
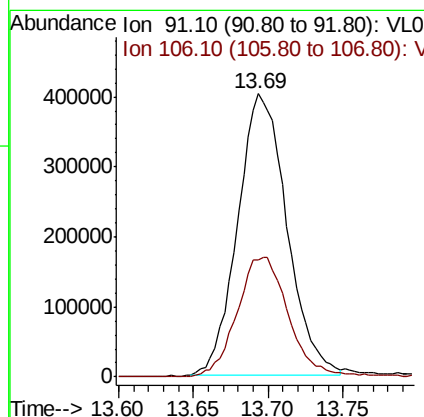
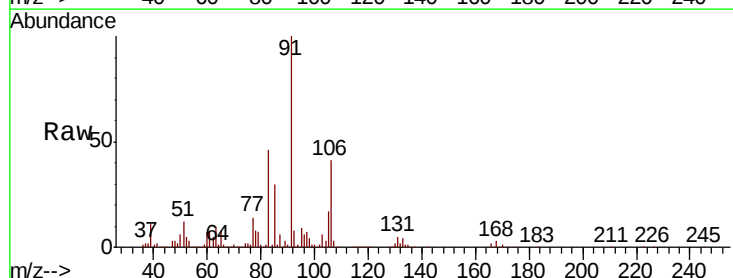
Instrument :
MSVOA_L
ClientSampled :

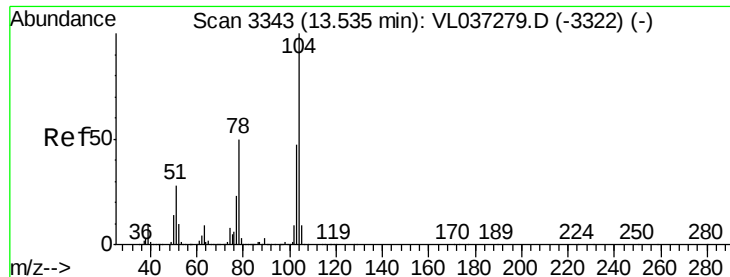
Tot Ion: 91 Resp: 1009223
Ion Ratio Lower Upper
91 100
106 84.4 36.2 54.2#



#60
o-Xylene
Concen: 2.142 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion: 91 Resp: 922277
Ion Ratio Lower Upper
91 100
106 44.5 22.6 67.8

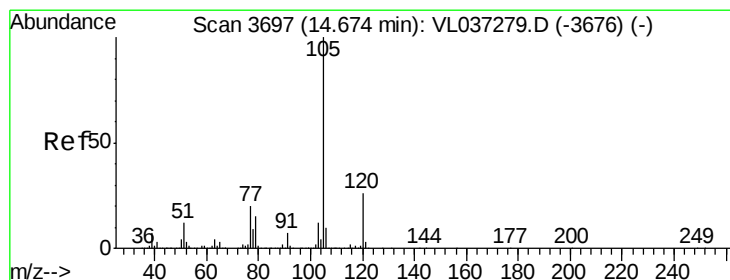
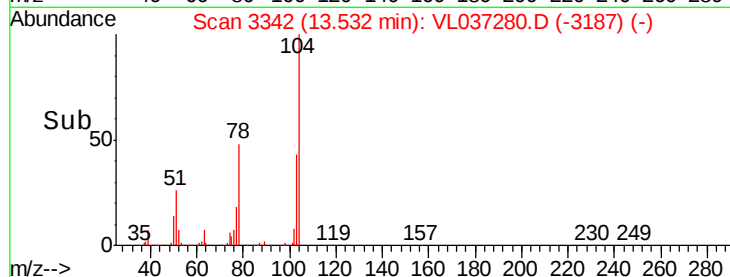
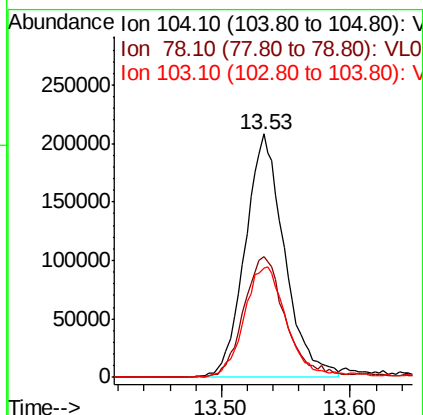
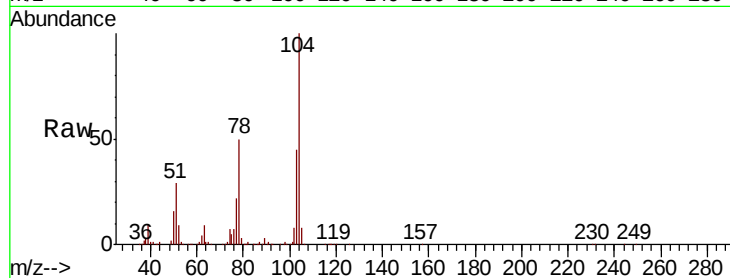




#61
Stvrene
Concen: 2.012 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

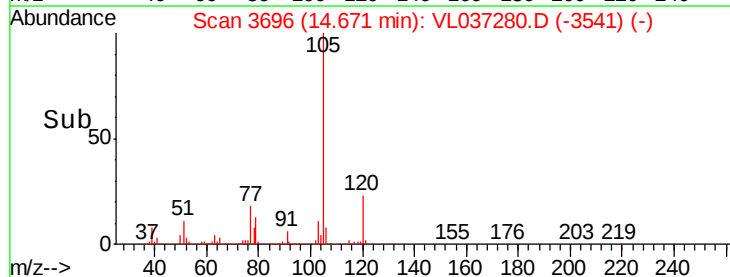
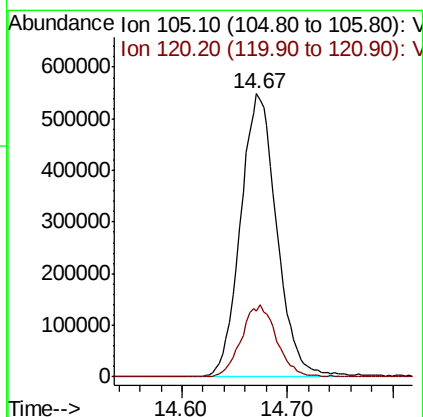
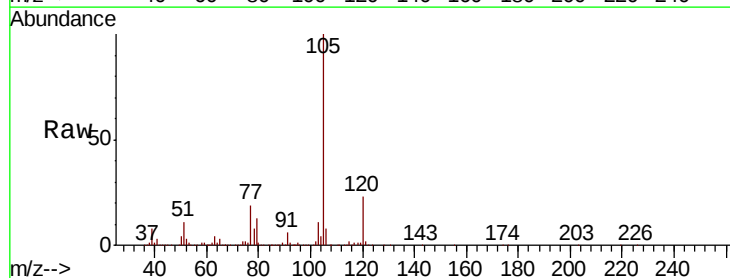
Instrument :
MSVOA_L
ClientSampleId :

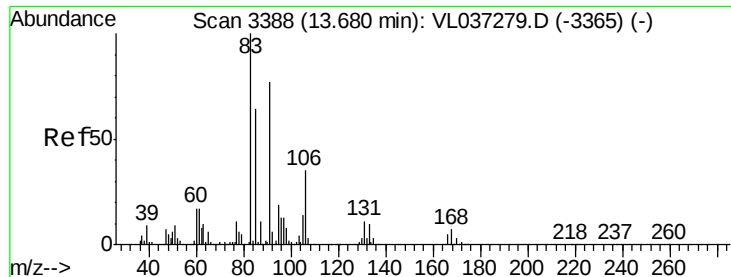
Tot Ion:104 Resp: 442981
Ion Ratio Lower Upper
104 100
78 53.8 41.8 62.6
103 50.0 38.6 58.0



#62
Isopropylbenzene
Concen: 2.137 ppbv
RT: 14.67 min Scan# 3696
Delta R.T. -0.00 min
Lab File: VL037280.D
Acq: 27 Jul 2021 3:15

Tgt Ion:105 Resp: 1308955
Ion Ratio Lower Upper
105 100
120 24.8 21.3 31.9





#63

1,1,2,2-Tetrachloroethane

Concen: 2.149 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

ClientSampleId :

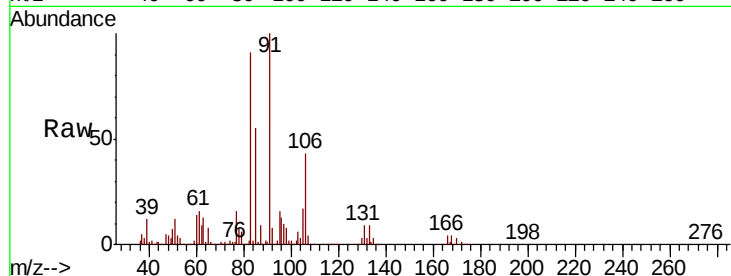
Tot Ion: 83 Resp: 617857

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

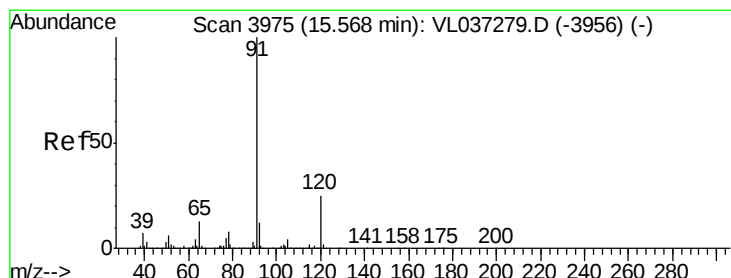
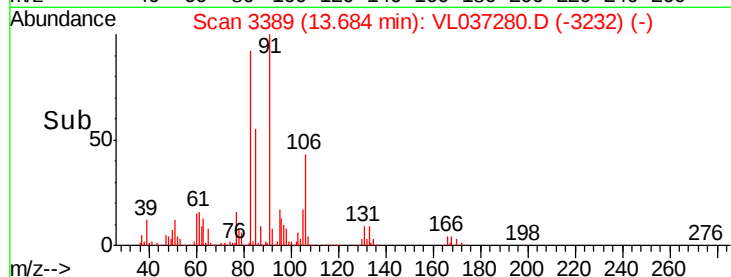
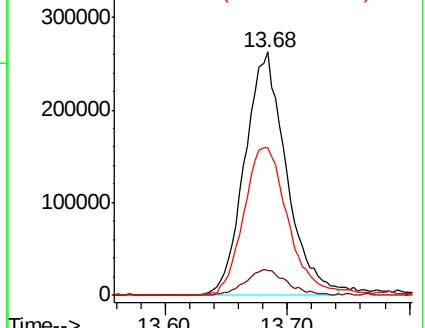
85 65.3 33.4 100.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 2.129 ppbv

RT: 15.57 min Scan# 3975

Delta R.T. 0.00 min

Lab File: VL037280.D

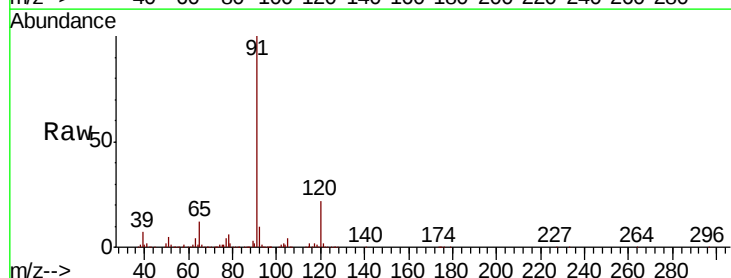
Acq: 27 Jul 2021 3:15

Tgt Ion: 120 Resp: 325505

Ion Ratio Lower Upper

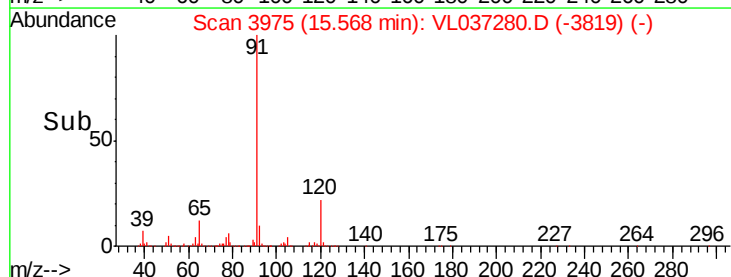
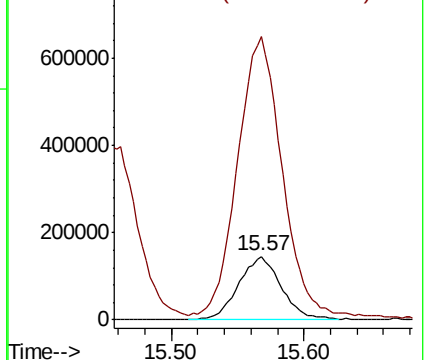
120 100

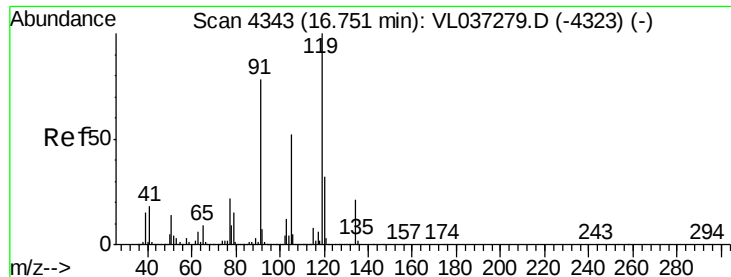
91 478.1 353.8 530.8



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 2.289 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

ClientSampleId :

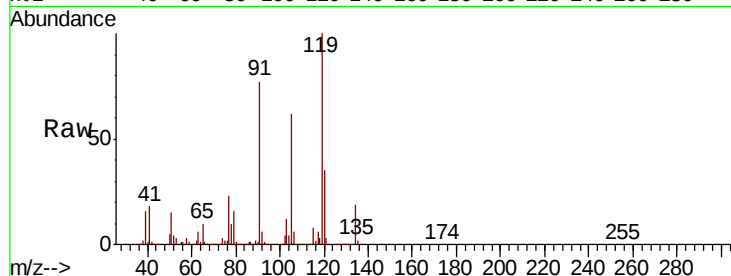
Tot Ion:119 Resp: 1250887

Ion	Ratio	Lower	Upper
119	100		
91	80.0	63.4	95.0
134	19.4	16.1	24.1

119 100

91 80.0 63.4 95.0

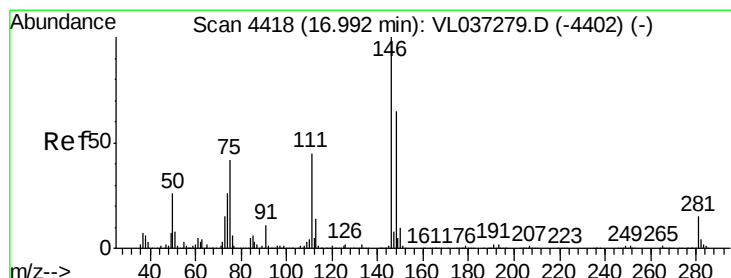
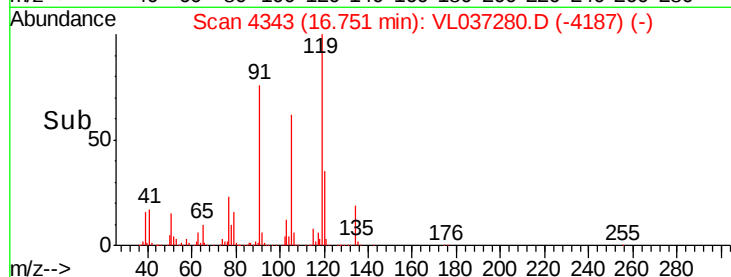
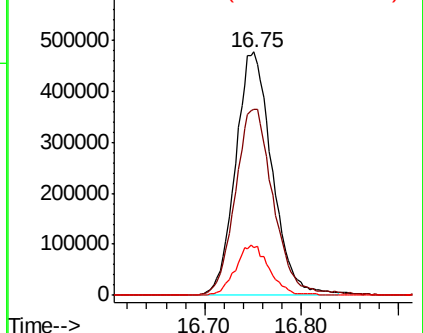
134 19.4 16.1 24.1



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: 0.766 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. -0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

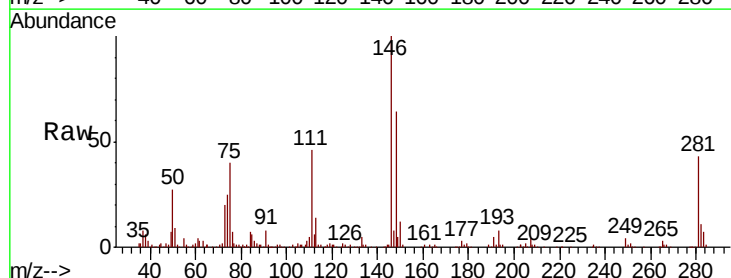
Tgt Ion: 91 Resp: 17823

Ion	Ratio	Lower	Upper
91	100		
126	22.9	13.4	20.2#
128	16.0	4.5	6.7#

91 100

126 22.9 13.4 20.2#

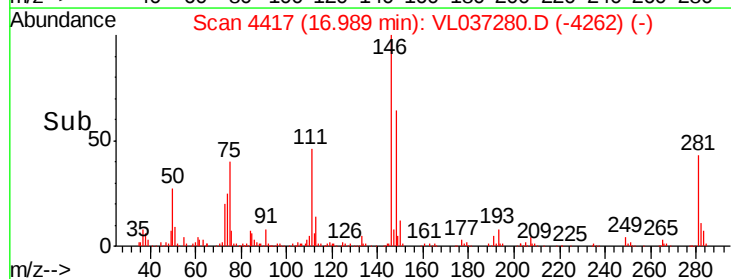
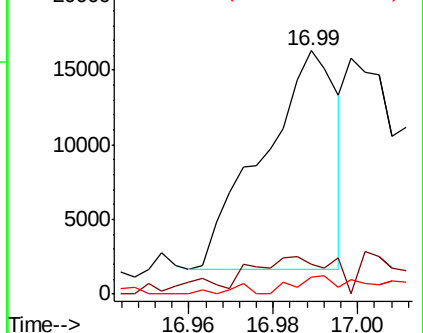
128 16.0 4.5 6.7#

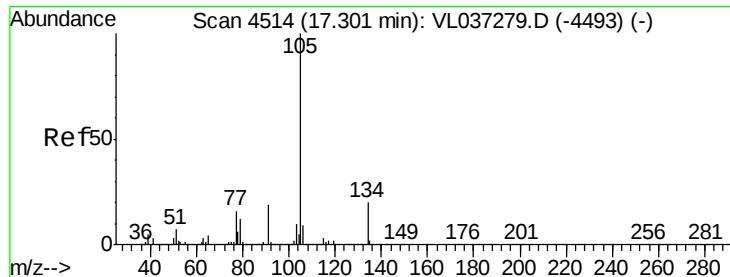


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

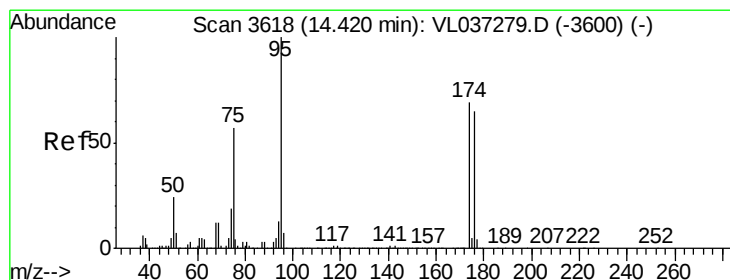
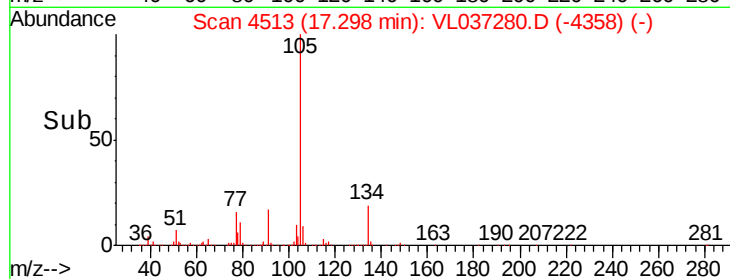
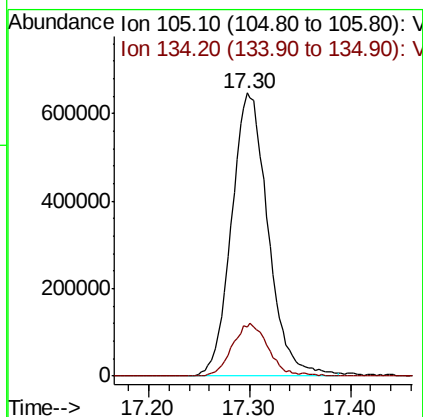
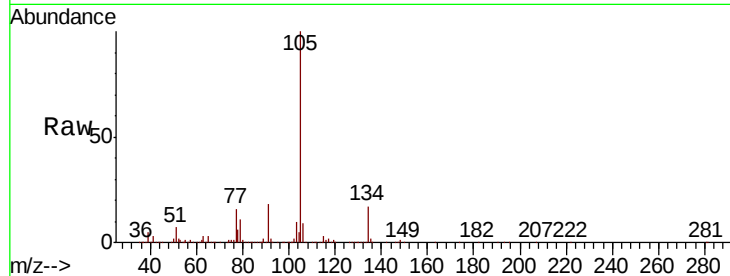




#67
 sec-Butylbenzene
 Concen: 2.222 ppbv
 RT: 17.30 min Scan# 4513
 Delta R.T. -0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

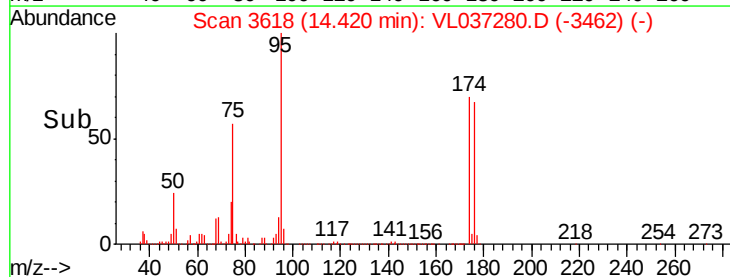
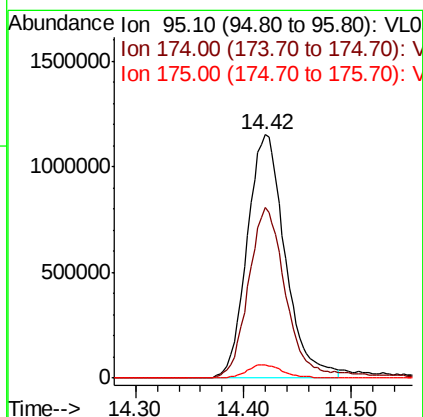
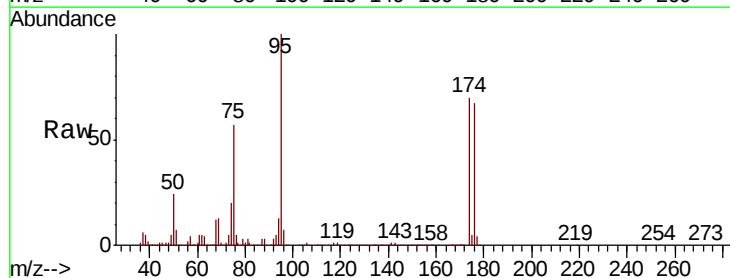
Instrument :
 MSVOA_L
 ClientSampleId :

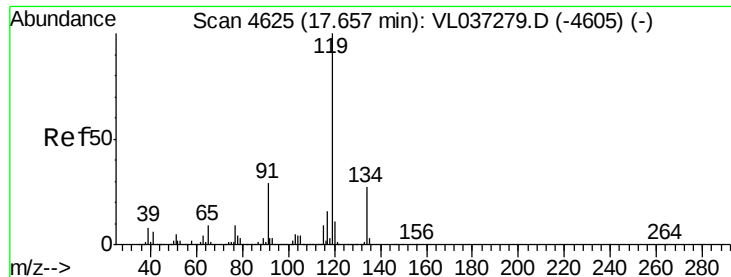
Tot Ion:105 Resp: 1616800
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.8 23.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.742 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Tgt Ion: 95 Resp: 2817380
 Ion Ratio Lower Upper
 95 100
 174 71.5 56.3 84.5
 175 5.4 4.3 6.5

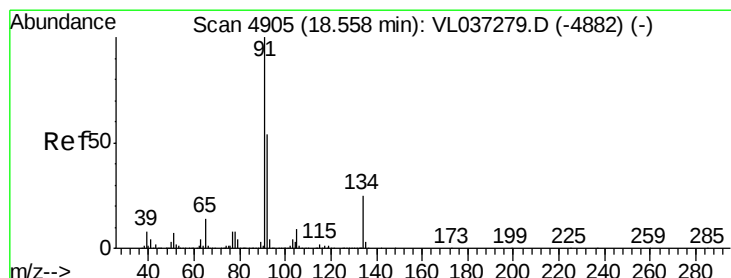
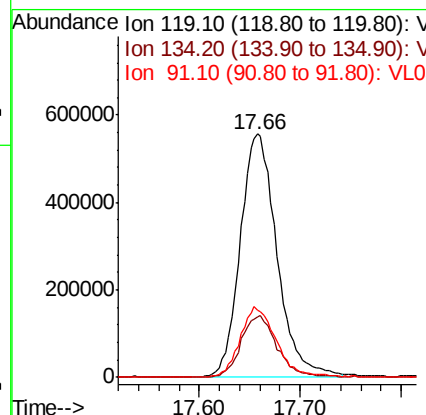
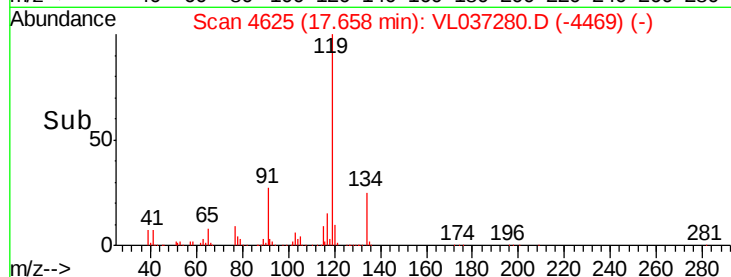
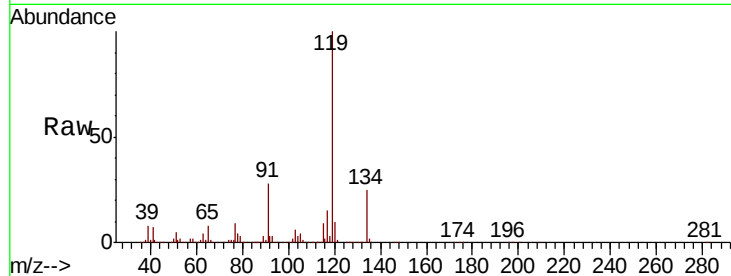




#69
 p-Isopropyltoluene
 Concen: 2.282 ppbv
 RT: 17.66 min Scan# 4625
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

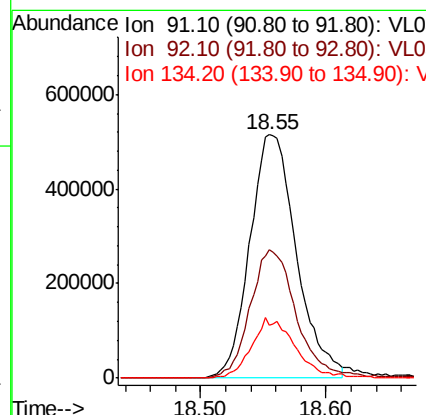
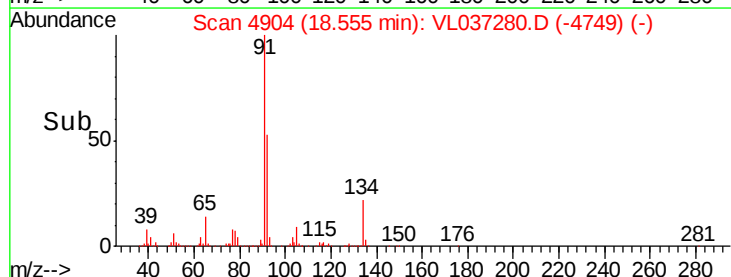
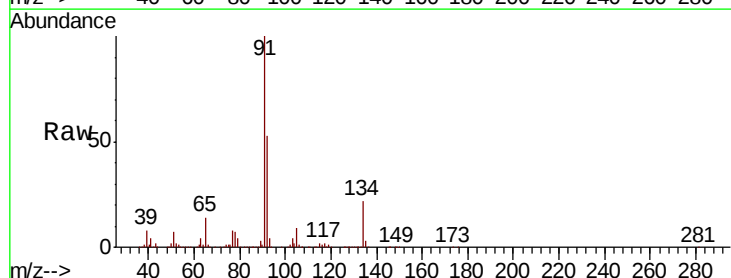
Instrument :
 MSVOA_L
 ClientSampleId :

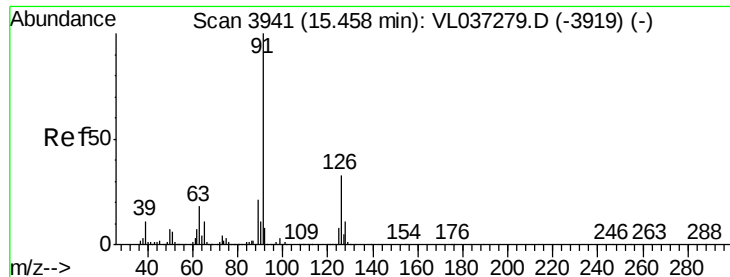
Tot Ion:119 Resp: 1400810
 Ion Ratio Lower Upper
 119 100
 134 25.2 20.6 31.0
 91 28.6 23.0 34.4



#70
 n-Butylbenzene
 Concen: 2.336 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. -0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Tgt Ion: 91 Resp: 1326247
 Ion Ratio Lower Upper
 91 100
 92 52.9 43.4 65.2
 134 23.6 19.6 29.4

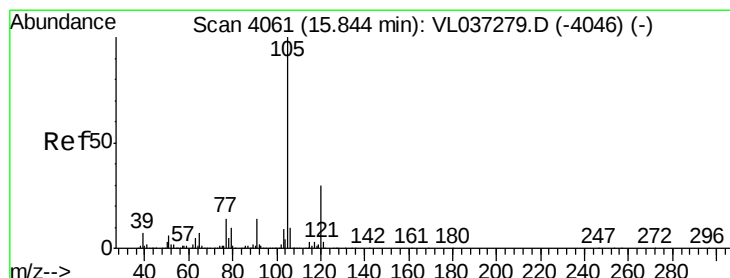
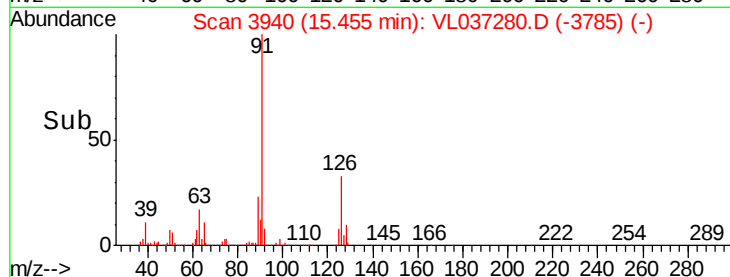
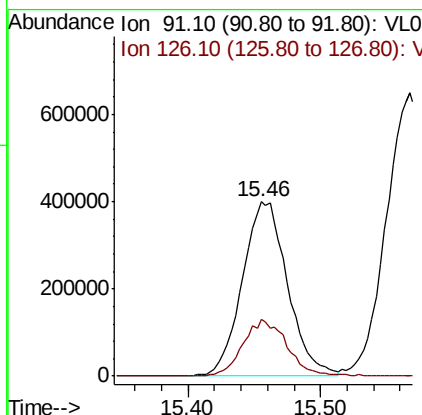
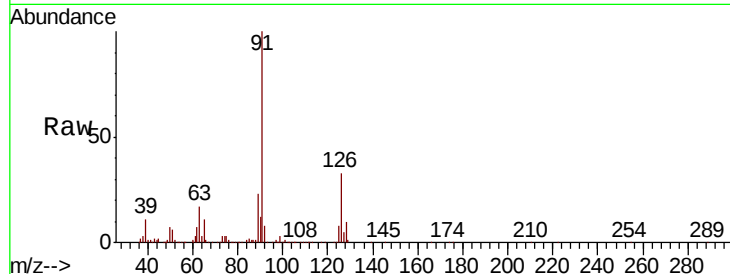




#71
 2-Chlorotoluene
 Concen: 2.203 ppbv
 RT: 15.46 min Scan# 3940
 Delta R.T. -0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

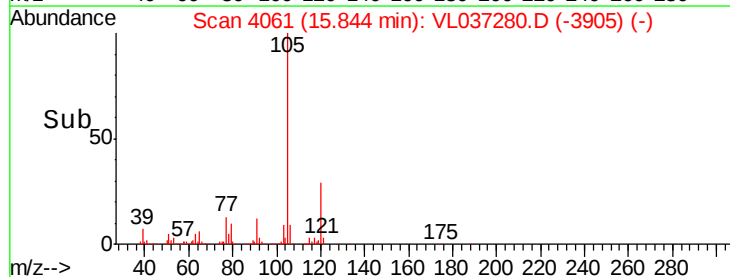
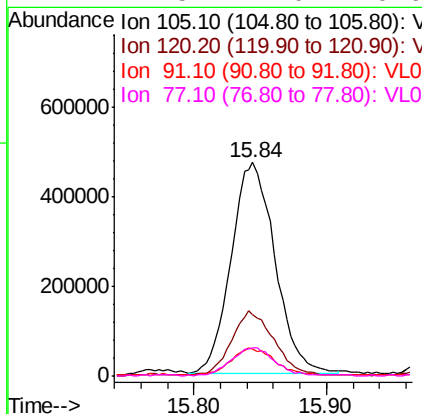
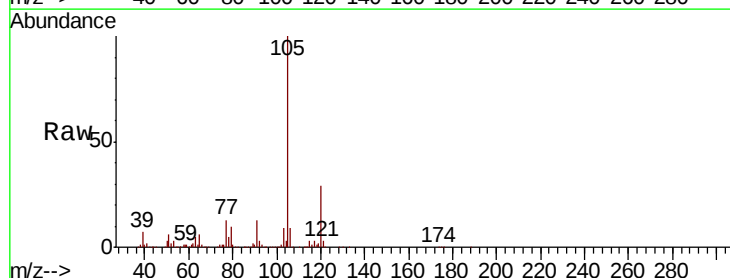
Instrument :
 MSVOA_L
 ClientSampled :

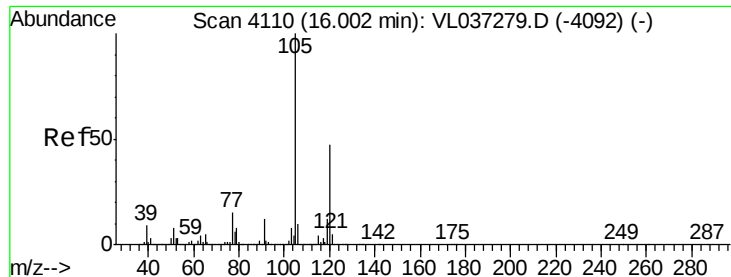
Tot Ion: 91 Resp: 946781
 Ion Ratio Lower Upper
 91 100
 126 32.0 13.1 52.3



#72
 4-Ethyltoluene
 Concen: 2.181 ppbv
 RT: 15.84 min Scan# 4061
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Tgt Ion:105 Resp: 1070092
 Ion Ratio Lower Upper
 105 100
 120 30.4 24.3 36.5
 91 14.5 10.5 15.7
 77 14.5 11.0 16.6

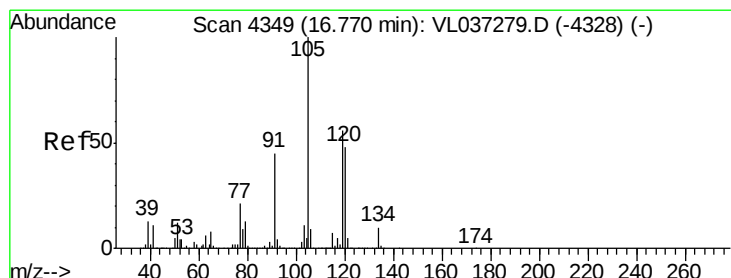
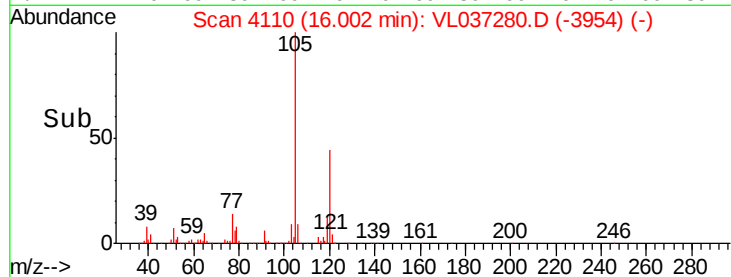
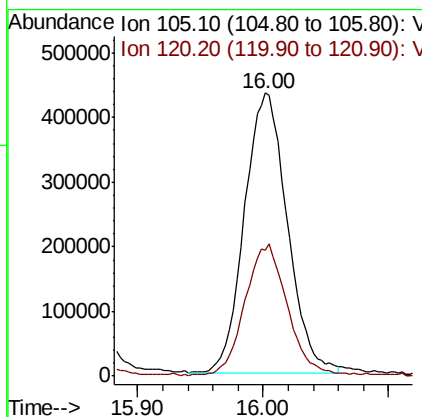
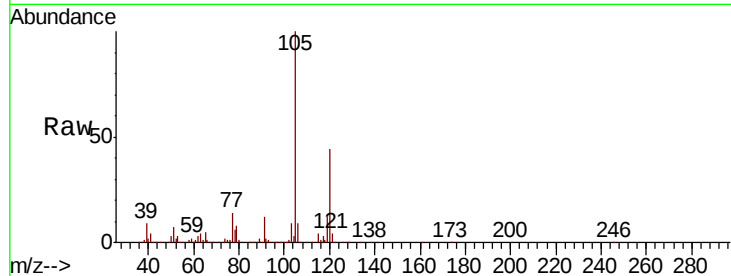




#73
 1,3,5-Trimethylbenzene
 Concen: 2.160 ppbv
 RT: 16.00 min Scan# 4110
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

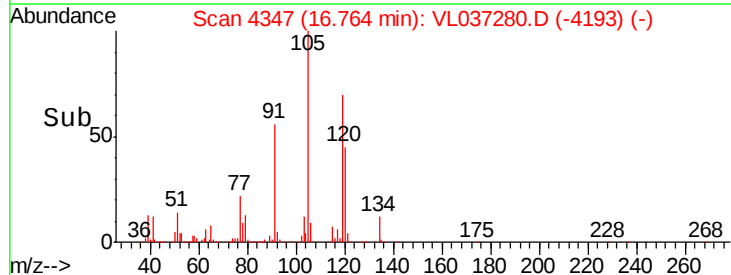
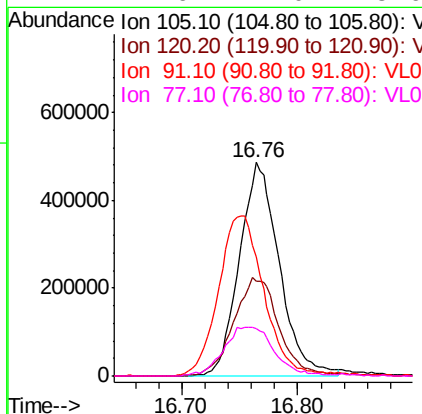
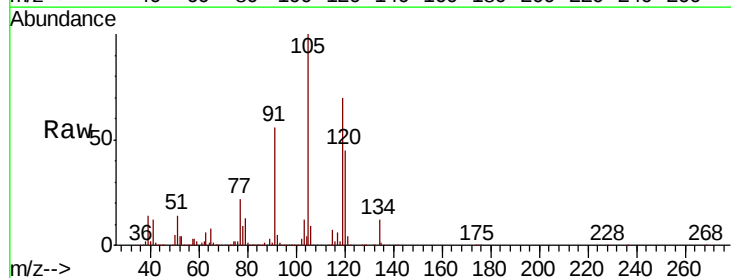
Instrument :
 MSVOA_L
 ClientSampleId :

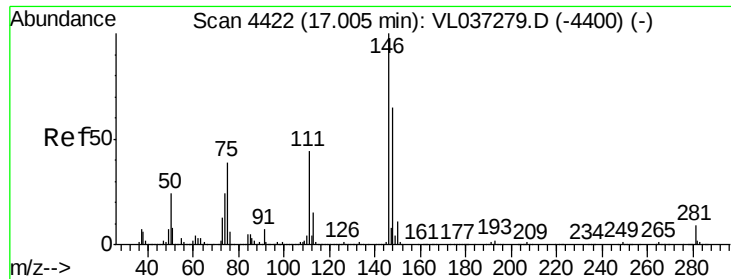
Tot Ion:105 Resp: 1024538
 Ion Ratio Lower Upper
 105 100
 120 44.5 37.7 56.5



#74
 1,2,4-Trimethylbenzene
 Concen: 2.370 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. -0.01 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Tgt Ion:105 Resp: 1158759
 Ion Ratio Lower Upper
 105 100
 120 44.1 38.2 57.4
 91 54.2 36.2 54.2
 77 21.6 17.0 25.6





#75

1,3-Dichlorobenzene

Concen: 2.178 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. -0.01 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

ClientSampleId :

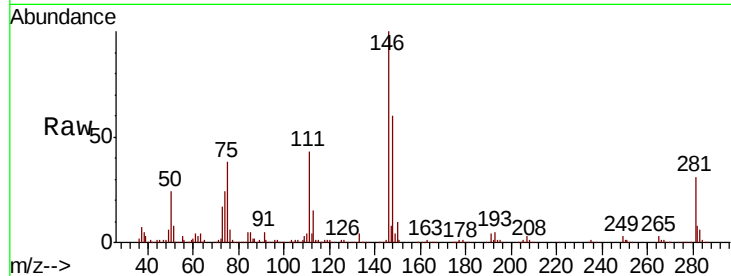
Tot Ion:146 Resp: 646286

Ion Ratio Lower Upper

146 100

111 46.6 22.6 67.8

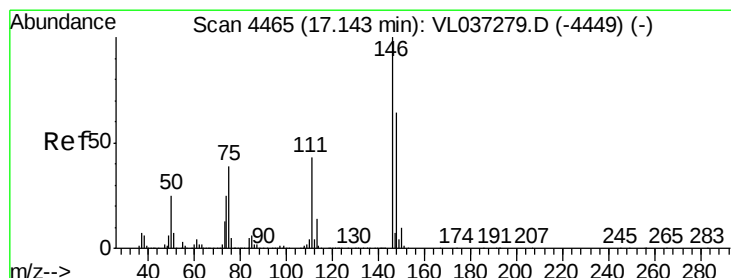
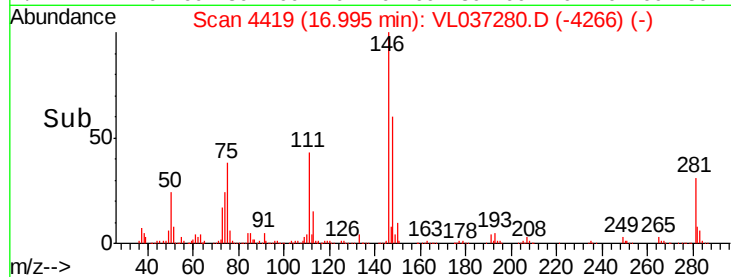
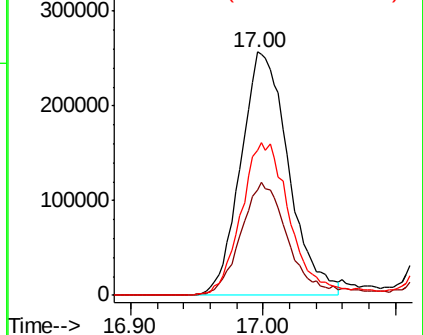
148 65.0 32.4 97.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 1.912 ppbv

RT: 17.14 min Scan# 4465

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

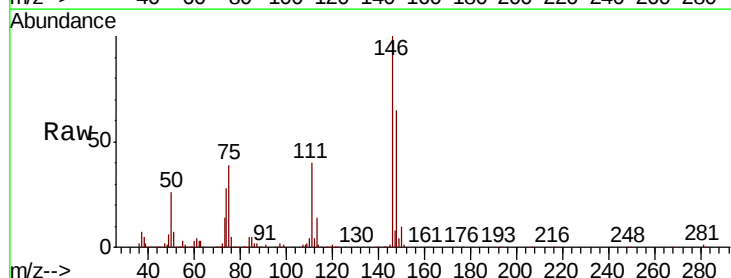
Tgt Ion:146 Resp: 565746

Ion Ratio Lower Upper

146 100

111 49.5 22.8 68.4

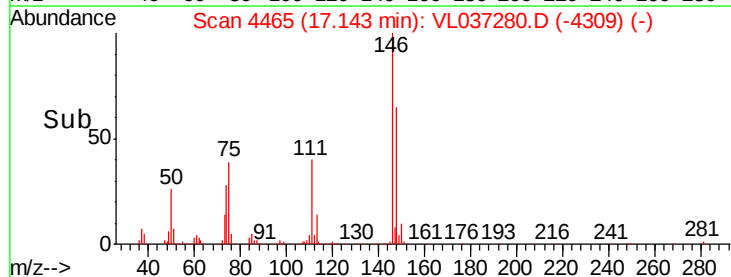
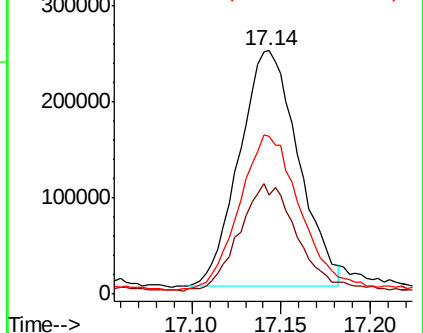
148 75.3 33.7 101.0

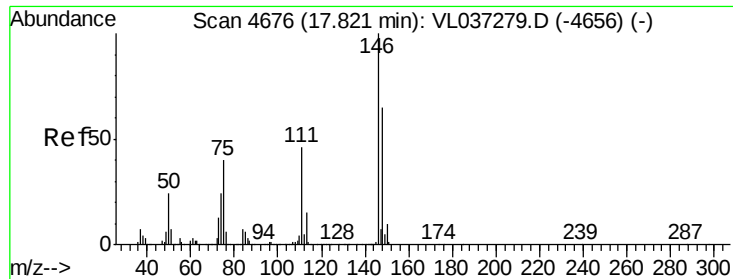


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

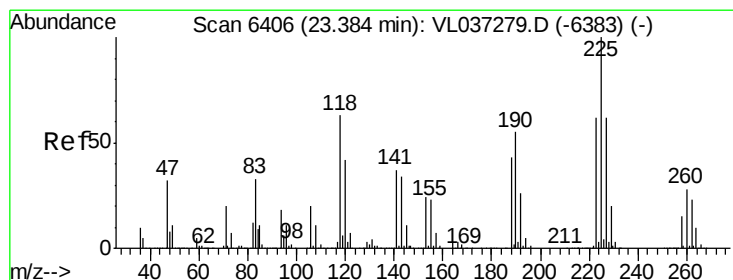
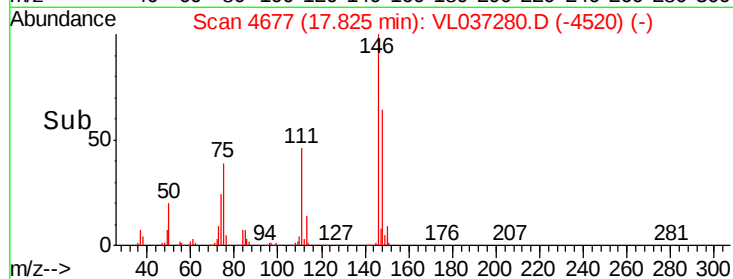
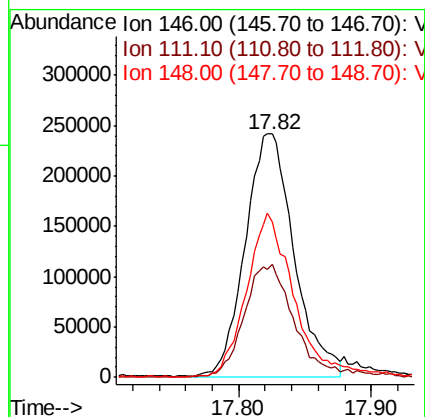
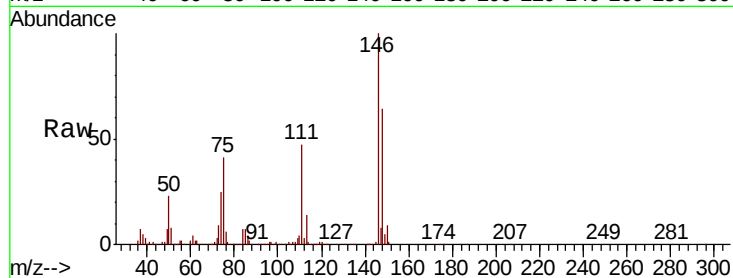




#77
 1,2-Dichlorobenzene
 Concen: 2.146 ppbv
 RT: 17.82 min Scan# 4677
 Delta R.T. 0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

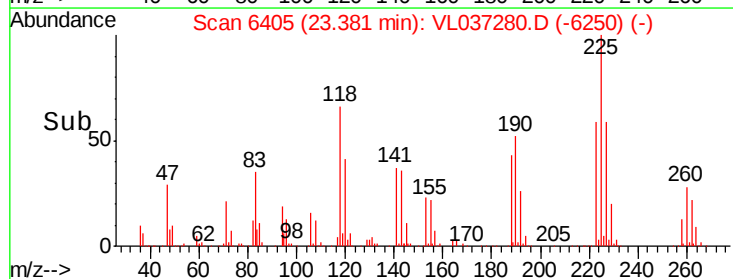
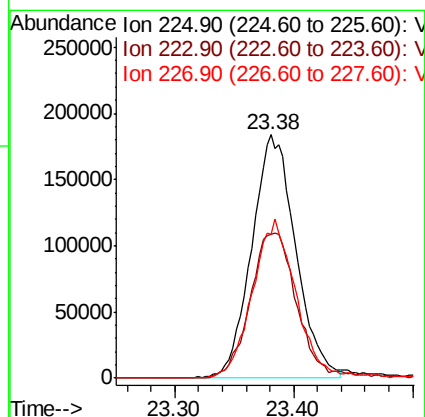
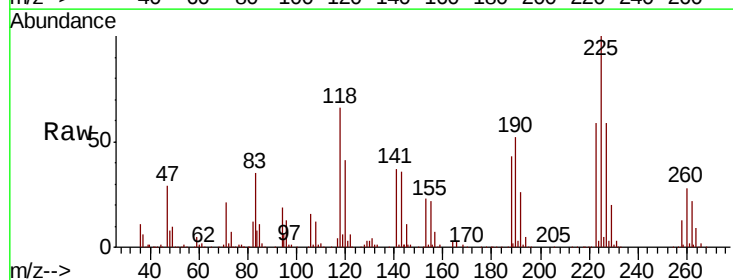
Instrument :
 MSVOA_L
 ClientSampleId :

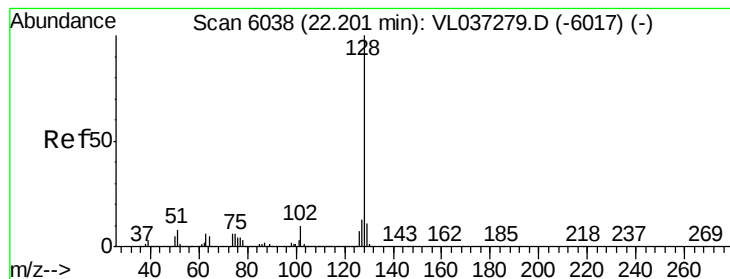
Tot Ion:146 Resp: 617967
 Ion Ratio Lower Upper
 146 100
 111 48.1 23.4 70.3
 148 65.5 32.3 96.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 1.962 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. -0.00 min
 Lab File: VL037280.D
 Acq: 27 Jul 2021 3:15

Tgt Ion:225 Resp: 469675
 Ion Ratio Lower Upper
 225 100
 223 64.3 51.4 77.2
 227 64.9 50.8 76.2





#79

Naphthalene

Concen: 2.180 ppbv

RT: 22.21 min Scan# 6041

Delta R.T. 0.01 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

ClientSampleId :

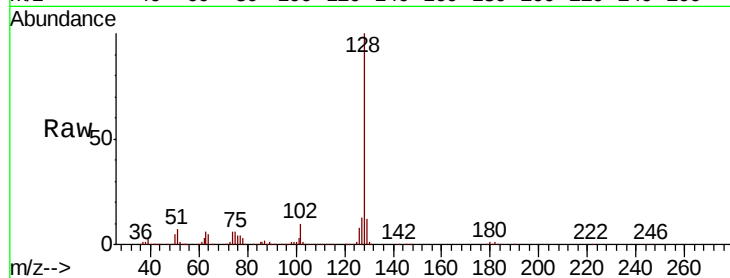
Tot Ion:128 Resp: 834127

Ion Ratio Lower Upper

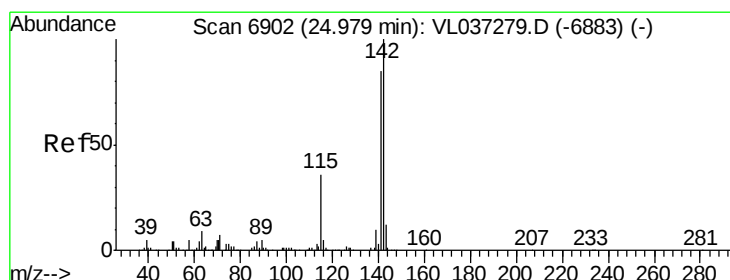
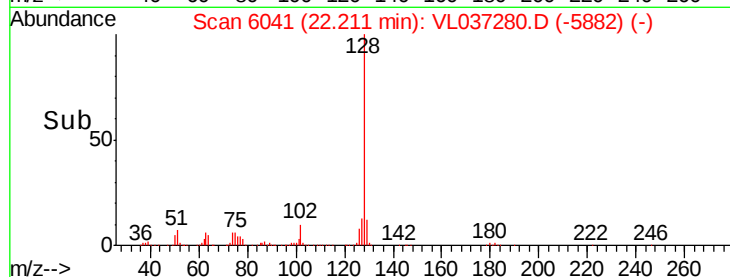
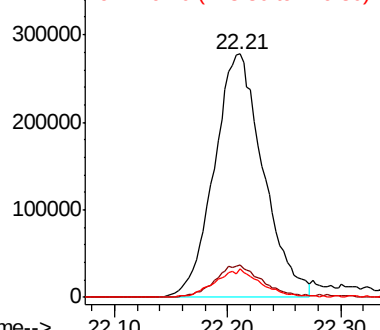
128 100

127 13.0 10.3 15.5

129 11.7 9.0 13.4



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 1.803 ppbv

RT: 24.98 min Scan# 6903

Delta R.T. 0.00 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

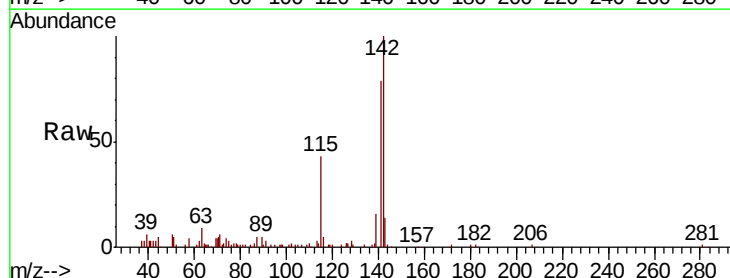
Tgt Ion:142 Resp: 165747

Ion Ratio Lower Upper

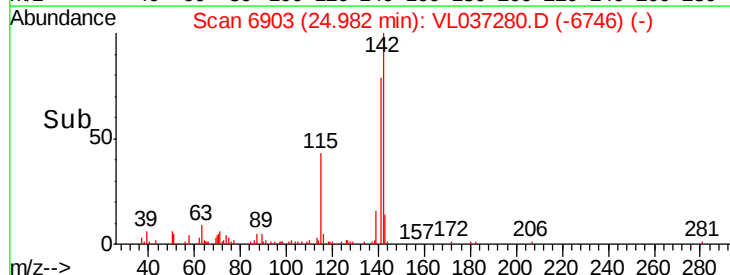
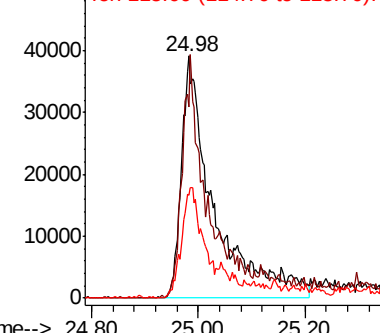
142 100

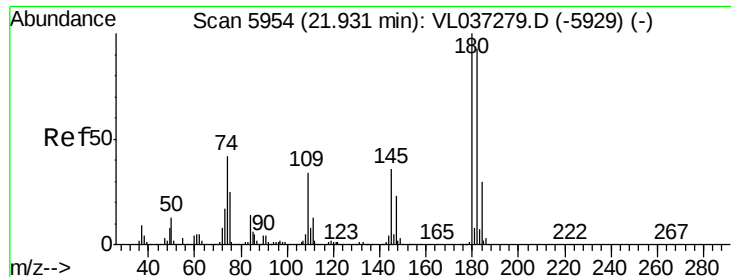
141 76.7 70.7 106.1

115 36.6 31.4 47.0



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: 2.200 ppbv

RT: 21.94 min Scan# 5956

Delta R.T. 0.01 min

Lab File: VL037280.D

Acq: 27 Jul 2021 3:15

Instrument :

MSVOA_L

ClientSampleId :

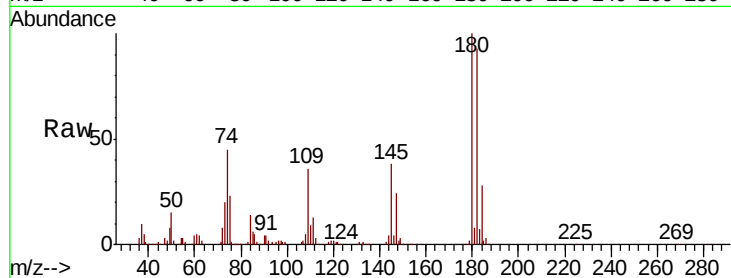
Tot Ion:180 Resp: 493781

Ion Ratio Lower Upper

180 100

182 99.2 79.3 118.9

184 31.1 24.8 37.2



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

