Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111821\

Quantitation Report (Not Reviewed)

Data File : VL038052.D
Acq On : 18 Nov 2021 12:35
Operator : SY/AP
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Nov 18 13:06:28 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Nov 18 10:39:10 2021
QLast Update : Thu Nov 18 10:39:10 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	892616	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	2727312	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	3330502	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	1735155	7.21	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 72.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	1463284	8.058	ppbv		96
3) Chlorodifluoromethane	3.00	51	2500935	10.778	ppbv		100
4) Chloromethane	3.15	50	906812	10.982	ppbv		97
5) Vinyl Chloride	3.26	62	890558	11.237	ppbv		97
6) Bromomethane	3.48	94	484668	11.442	ppbv		99
7) Chloroethane	3.56	64	309825	11.115	ppbv		95
8) Dichlorotetrafluoroethane	3.19	85	1851183	9.842	ppbv		100
9) Propene	3.02	41	918790	10.498	ppbv		98
10) Heptane	8.12	43	2249467	10.443	ppbv		100
11) Trichlorofluoromethane	3.96	101	1877167	10.463	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1307047	9.399	ppbv		99
13) Ethanol	3.61	45	29960	3.861	ppbv	#	1
14) Bromoethene	3.74	108	636161	10.941	ppbv		95
15) Acetone	3.85	43	1015745	9.679	ppbv		98
16) 1,3-Butadiene	3.33	39	846025	10.886	ppbv		98
17) tert-Butyl alcohol	4.29	59	1218488	8.645	ppbv		99
18) 1,1-Dichloroethene	4.29	96	614688	9.577	ppbv		98
19) Isopropyl Alcohol	3.97	45	672793	8.754	ppbv		100
20) Methylene Chloride	4.35	84	515114	8.368	ppbv		99
21) Allyl Chloride	4.42	41	967649	9.214	ppbv		100
22) trans-1,2-Dichloroethene	4.89	96	657868	10.159	ppbv		96
23) Vinyl Acetate	5.08	43	1611263	9.269	ppbv		98
24) 1,1-Dichloroethane	5.01	63	1254375	9.252	ppbv		98
25) Ethyl Acetate	5.68	43	3381114	13.695	ppbv		99
26) Hexane	5.69	57	1614604	13.018	ppbv		97
27) Carbon Disulfide	4.56	76	1578454	9.704	ppbv		99
28) Methyl tert-Butyl Ether	5.04	73	1436455	9.031	ppbv		100
29) Chloroform	5.76	83	2466659	13.205	ppbv		96
30) Cyclohexane	7.13	84	1489602	10.665	ppbv		98
31) cis-1,2-Dichloroethene	5.55	61	1636785	15.941	ppbv		99
32) 1,1,1-Trichloroethane	6.52	97	2536296	10.700	ppbv		100
34) 2-Butanone	5.25	43	1566472	17.414	ppbv		100
35) Carbon Tetrachloride	7.02	117	2589181	13.735	ppbv		99
36) Benzene	6.90	78	3535738	13.629	ppbv		99
37) 1,2-Dichloroethane	6.31	62	1844211	15.315	ppbv		100
38) Trichloroethene	7.84	130	1273922	12.087	ppbv		98
39) 1,2-Dichloropropane	7.62	63	1391555	13.876	ppbv		98
40) 1,4-Dioxane	7.83	88	297547	11.505	ppbv	#	1
41) Tetrahydrofuran	6.05	42	917491	14.214	ppbv		100
42) Bromodichloromethane	7.80	83	2690337	14.192	ppbv		99
43) Methyl Methacrylate	8.02	69	1324019	14.308	ppbv		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111821\

Quantitation Report (Not Reviewed)

Data File : VL038052.D
Acq On : 18 Nov 2021 12:35
Operator : SY/AP
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC015

Quant Time: Nov 18 13:06:28 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Nov 18 10:39:10 2021
QLast Update : Thu Nov 18 10:39:10 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5550119	12.453	ppbv		100
45) t-1,3-Dichloropropene	9.28	75	1207679	15.758	ppbv		99
46) cis-1,3-Dichloropropene	8.70	75	1497729	14.953	ppbv		100
47) 1,1,2-Trichloroethane	9.48	97	1406260	13.806	ppbv		94
48) Dibromochloromethane	10.30	129	2306952	13.930	ppbv		97
49) Bromoform	13.04	173	1658213	12.976	ppbv		98
50) 4-Methyl-2-Pentanone	8.74	43	2319925	14.302	ppbv		99
51) 2-Hexanone	10.14	43	1108411	14.634	ppbv	#	100
52) Tetrachloroethene	11.22	164	1164858	11.894	ppbv		99
53) Toluene	9.81	91	3995826	13.171	ppbv		100
54) 1,2-Dibromoethane	10.61	107	2070204	14.506	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1468213	10.096	ppbv		96
57) Chlorobenzene	12.15	112	2740215	10.034	ppbv		98
58) Ethyl Benzene	12.71	91	5135495	10.152	ppbv		99
59) m/p-Xylene	13.00	91	4870633	11.587	ppbv	#	50
60) o-Xylene	13.70	91	3954302	10.135	ppbv		98
61) Styrene	13.53	104	2284627	10.501	ppbv		99
62) Isopropylbenzene	14.67	105	5240738	9.290	ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.68	83	2636767	9.039	ppbv		99
64) n-propylbenzene	15.56	120	1445241	10.049	ppbv		99
65) tert-Butylbenzene	16.74	119	4506897	9.105	ppbv		99
66) Benzyl Chloride	16.99	91	311623	9.015	ppbv		98
67) sec-Butylbenzene	17.30	105	6343295	9.276	ppbv		99
69) p-Isopropyltoluene	17.65	119	5183372	9.403	ppbv		99
70) n-Butylbenzene	18.55	91	5072907	10.038	ppbv		100
71) 2-Chlorotoluene	15.45	91	3923858	9.718	ppbv		98
72) 4-Ethyltoluene	15.84	105	4808261	10.336	ppbv		98
73) 1,3,5-Trimethylbenzene	16.00	105	4212248	9.899	ppbv		98
74) 1,2,4-Trimethylbenzene	16.77	105	4065194	9.489	ppbv		94
75) 1,3-Dichlorobenzene	17.00	146	2360259	9.982	ppbv		100
76) 1,4-Dichlorobenzene	17.14	146	2309672	9.535	ppbv		99
77) 1,2-Dichlorobenzene	17.82	146	2216639	9.776	ppbv		99
78) Hexachloro-1,3-Butadiene	23.37	225	1222357	8.311	ppbv		99
79) Naphthalene	22.19	128	2604573	11.082	ppbv		100
80) Naphthalene,2-methyl-	24.97	142	688359	15.512	ppbv		97
81) 1,2,4-Trichlorobenzene	21.92	180	1387822	10.442	ppbv		99

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

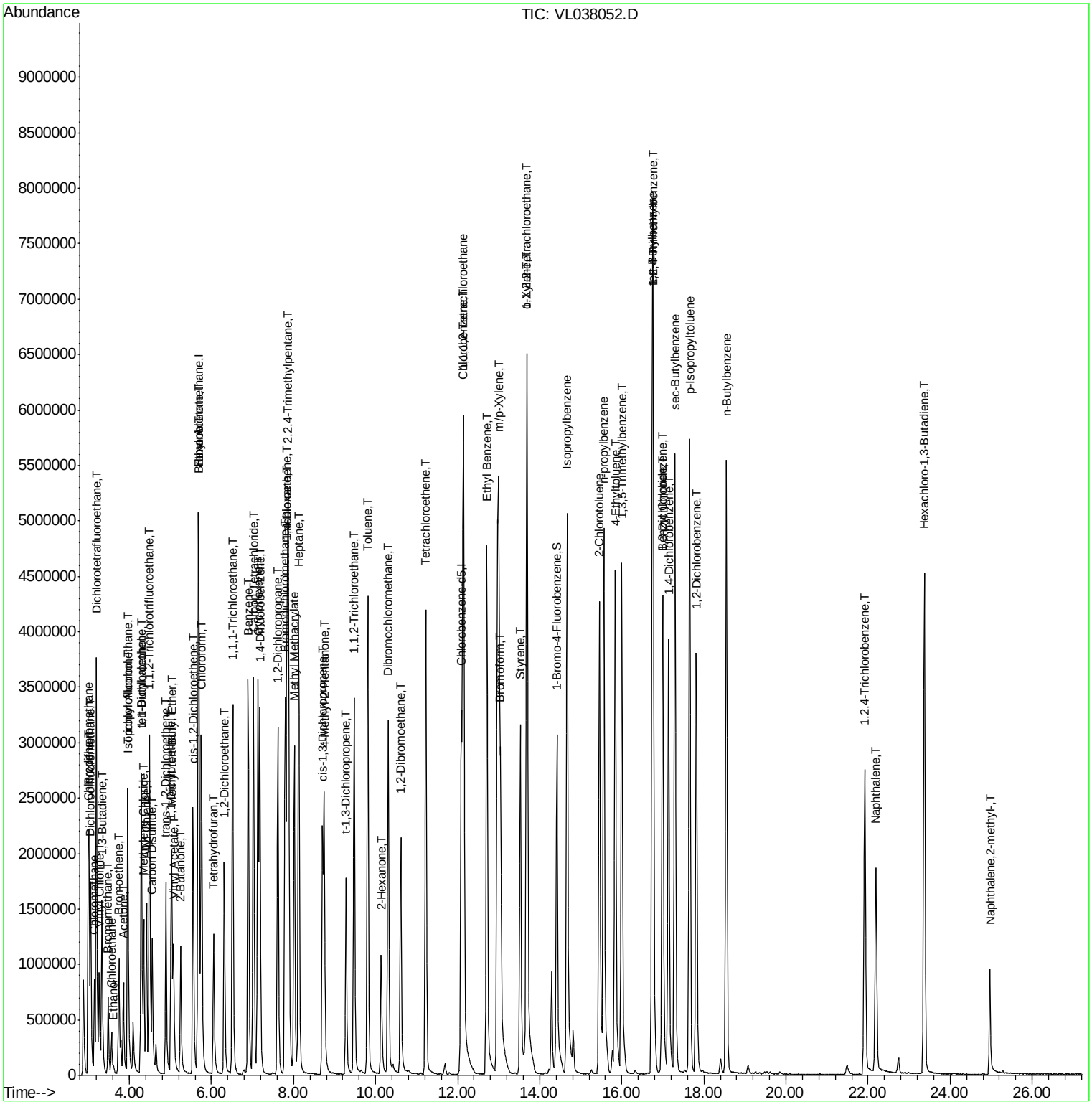
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111821\

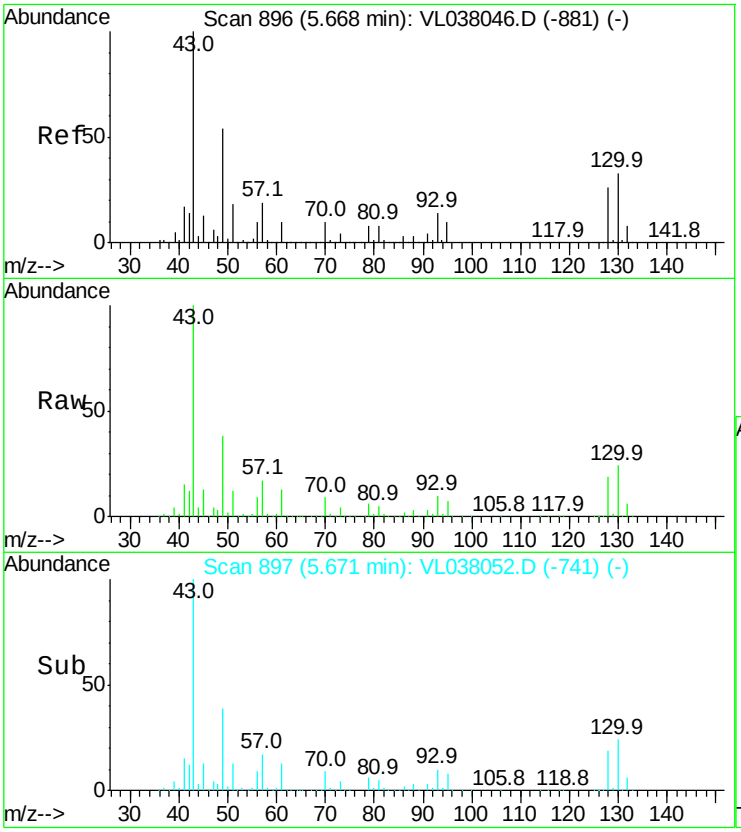
Quantitation Report (Not Reviewed)

Data File : VL038052.D
Acq On : 18 Nov 2021 12:35
Operator : SY/AP
Sample : VSTDICC015
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Quant Time: Nov 18 13:06:28 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Nov 18 10:39:10 2021
QLast Update : Thu Nov 18 10:39:10 2021
Response via : Initial Calibration



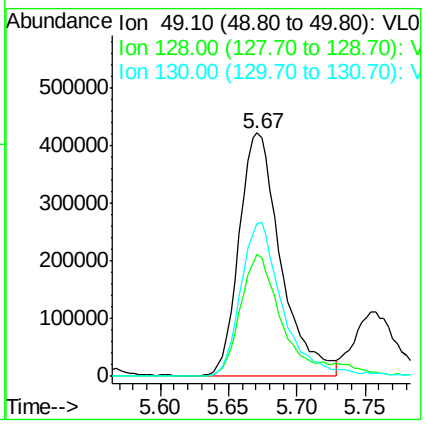


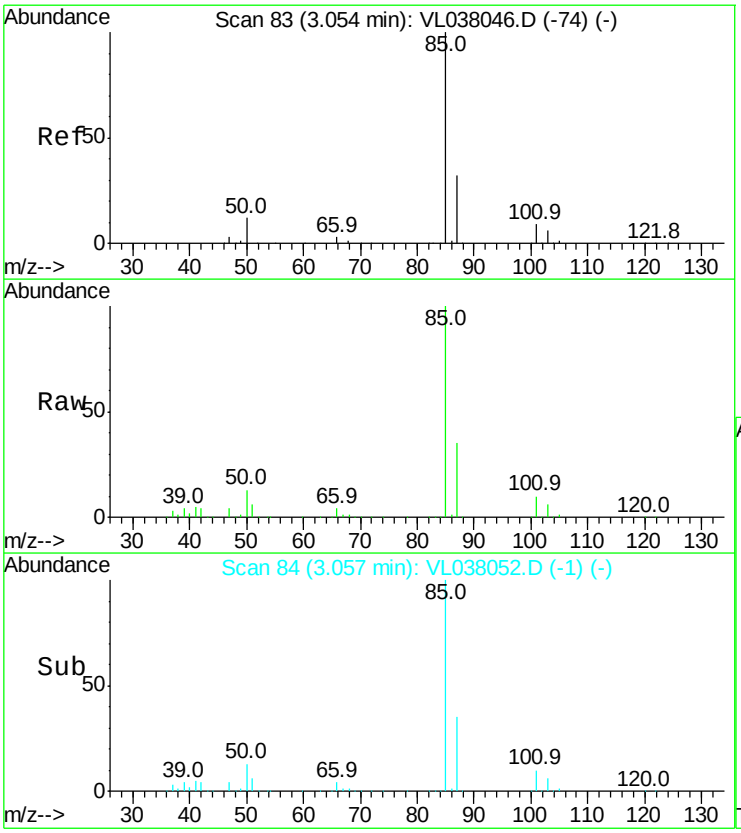
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 49 Resp: 892616

Ion	Ratio	Lower	Upper
49	100		
128	53.8	26.5	79.5
130	64.7	32.5	97.4

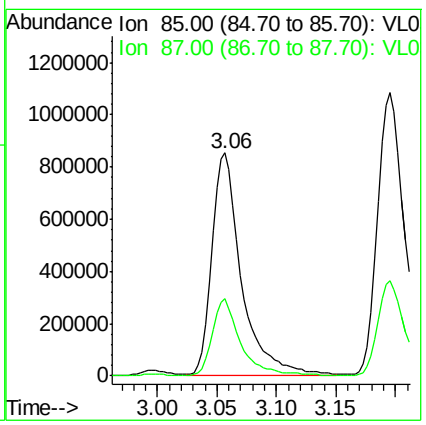


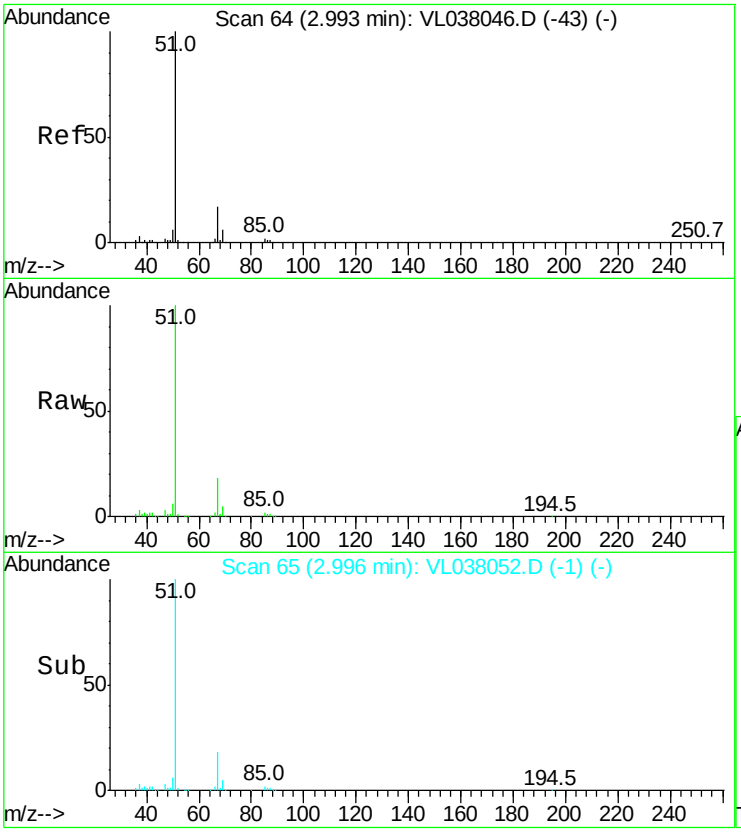


#2
Dichlorodifluoromethane
Concen: 8.058 ppbv
RT: 3.06 min Scan# 84
Delta R.T. 0.00 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 85 Resp: 1463284

Ion	Ratio	Lower	Upper
85	100		
87	34.6	25.8	38.6



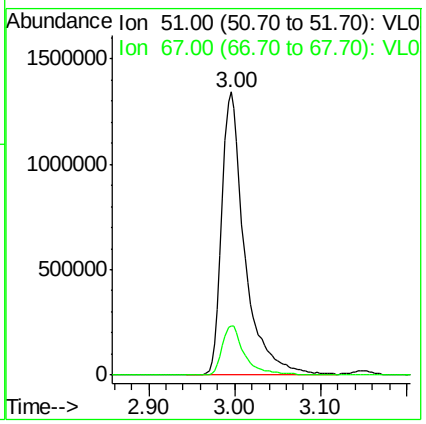


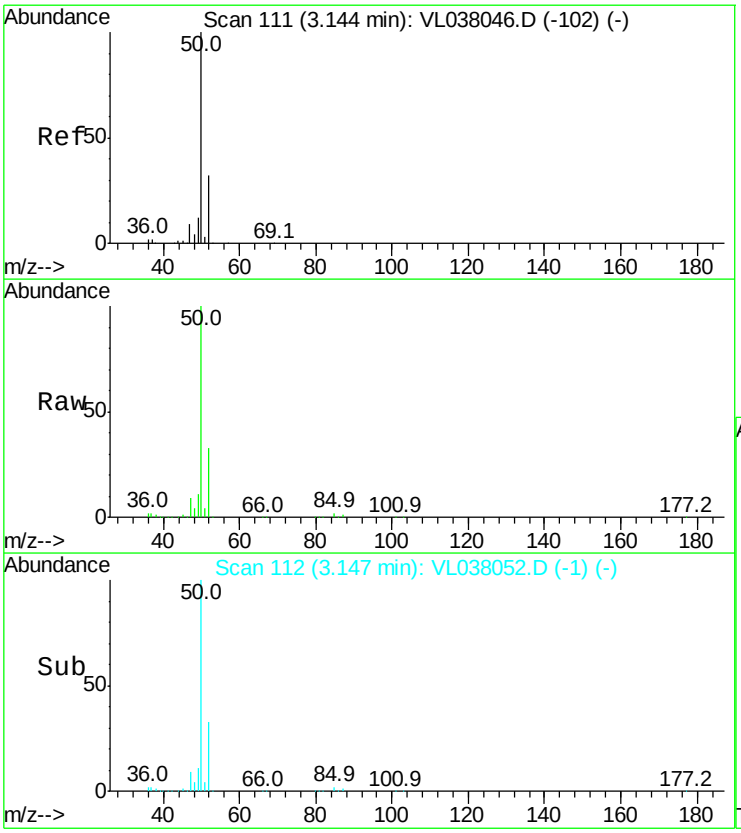
#3
Chlorodifluoromethane
Concen: 10.778 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 51 Resp: 2500935

Ion	Ratio	Lower	Upper
51	100		
67	17.4	13.8	20.8

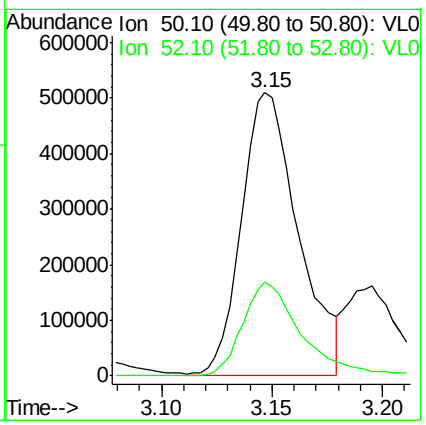


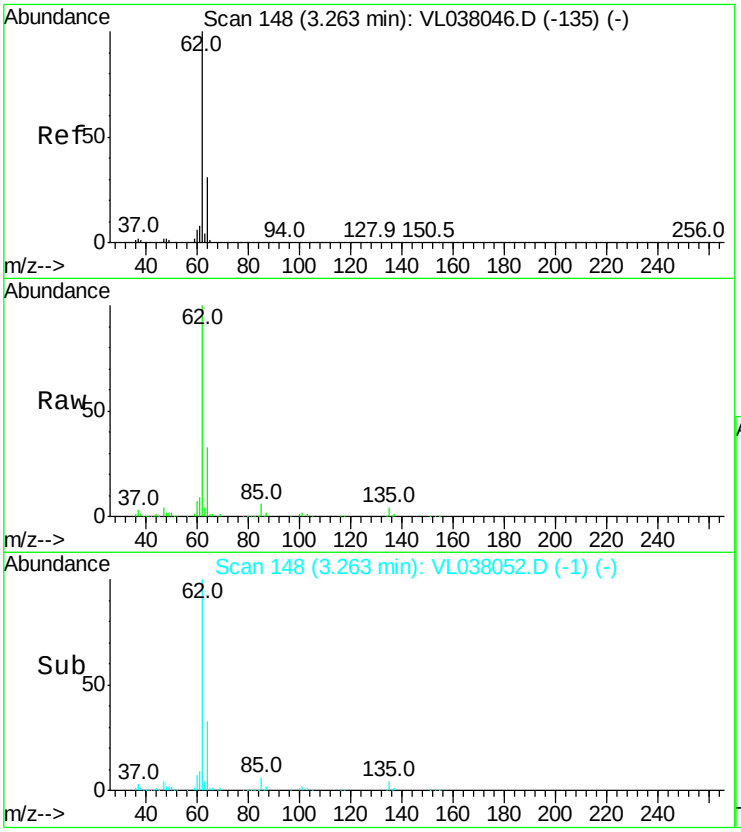


#4
Chloromethane
Concen: 10.982 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.00 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 50 Resp: 906812

Ion	Ratio	Lower	Upper
50	100		
52	33.5	25.4	38.0



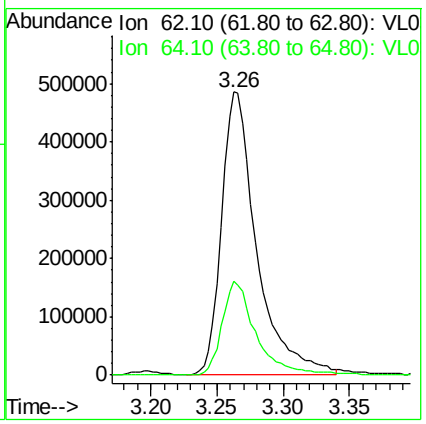


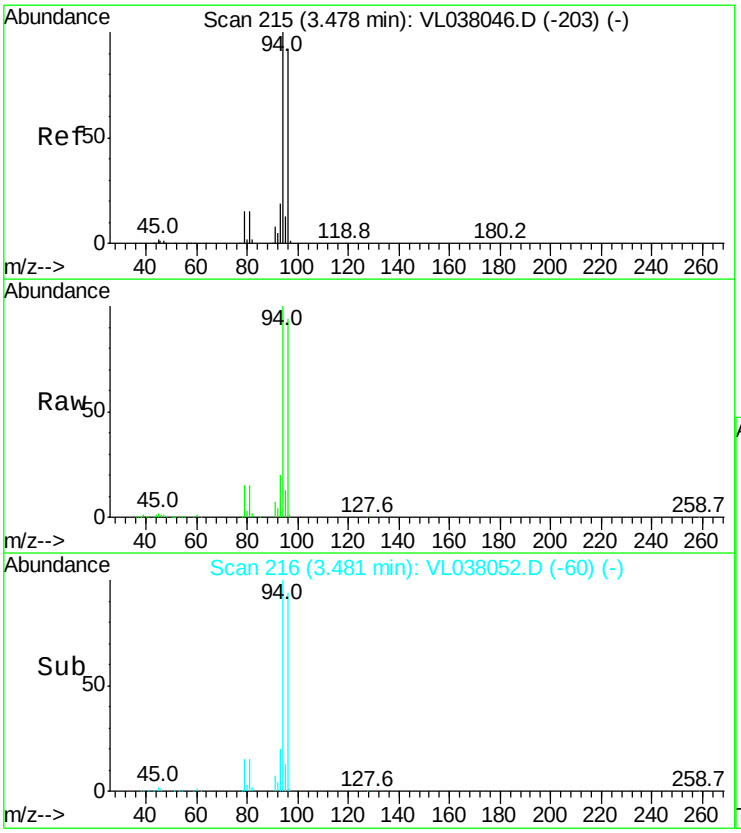
#5
Vinyl Chloride
Concen: 11.237 ppbv
RT: 3.26
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 890558

Ion	Ratio	Lower	Upper
62	100		
64	33.1	25.1	37.7

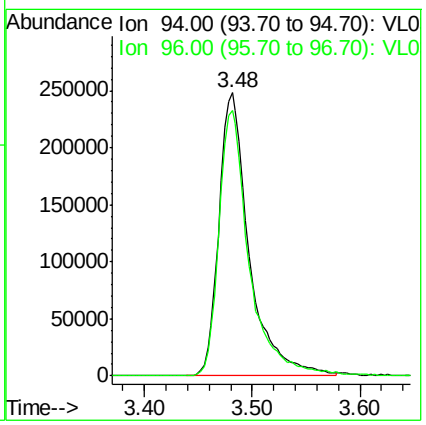


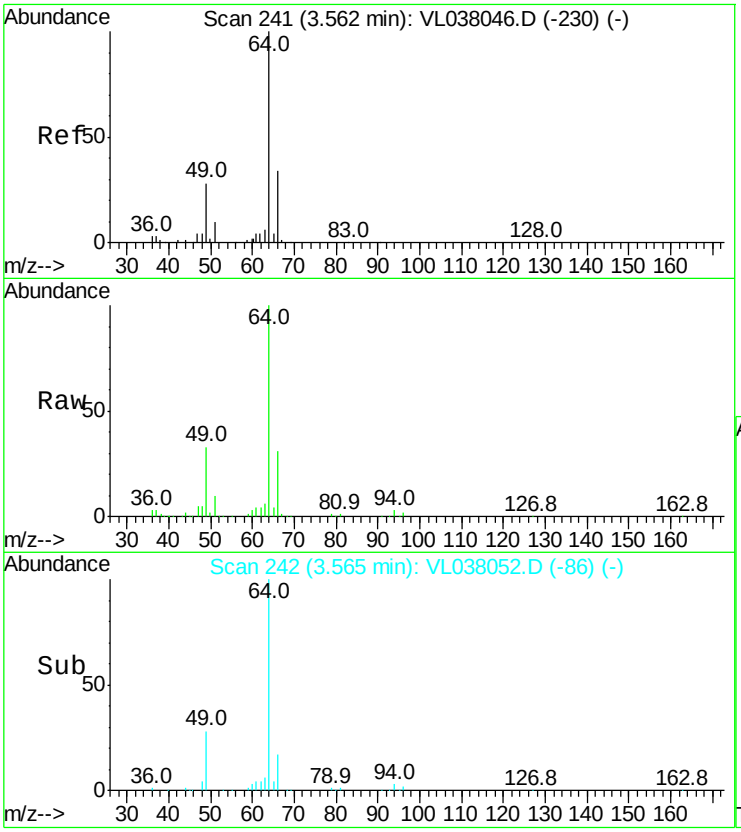


#6
Bromomethane
Concen: 11.442 ppbv
RT: 3.48 min Scan# 216
Delta R.T. 0.00 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 94 Resp: 484668

Ion	Ratio	Lower	Upper
94	100		
96	93.6	73.9	110.9



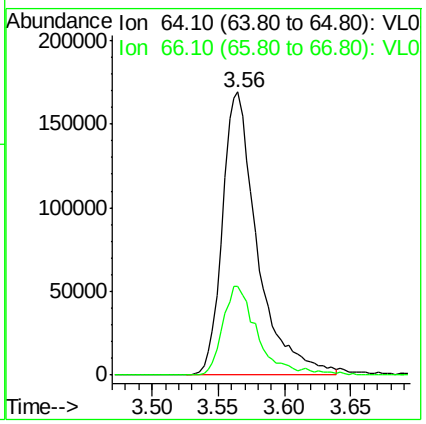


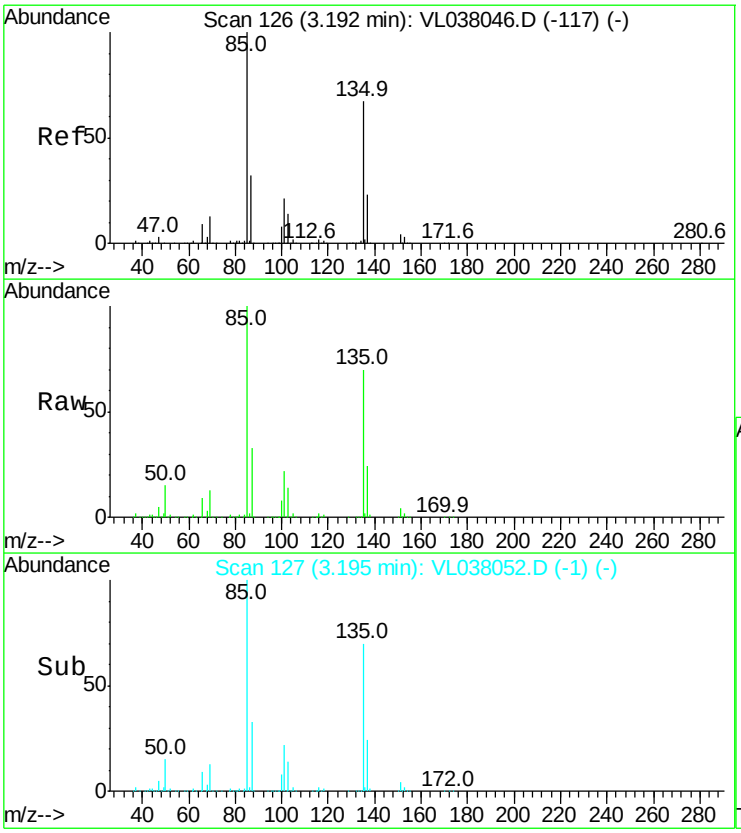
#7
Chloroethane
Concen: 11.115 ppbv
RT: 3.56
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 64 Resp: 309825

Ion	Ratio	Lower	Upper
64	100		
66	31.3	27.2	40.8

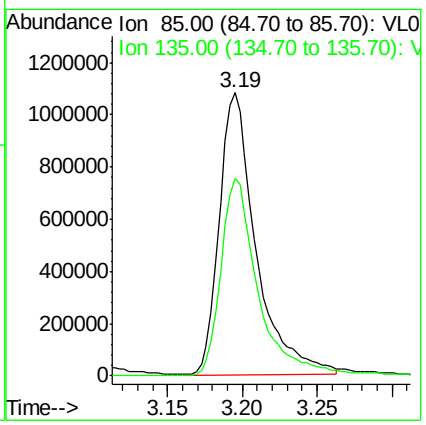


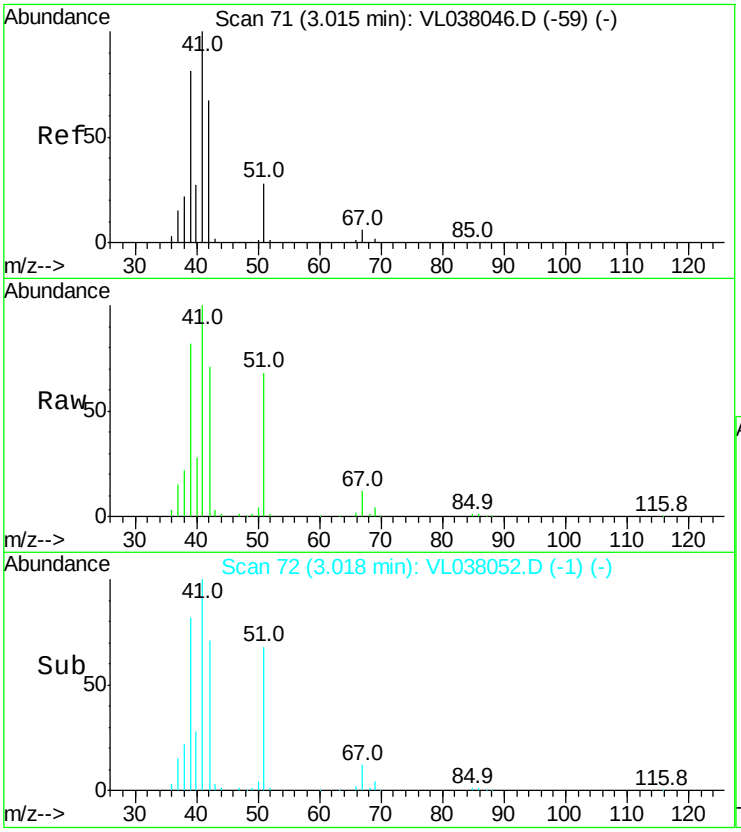


#8
Dichlorotetrafluoroethane
Concen: 9.842 ppbv
RT: 3.19 min Scan# 127
Delta R.T. 0.00 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 85 Resp: 1851183

Ion	Ratio	Lower	Upper
85	100		
135	72.0	57.9	86.9



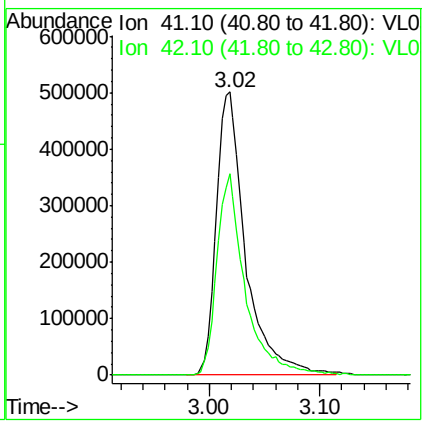


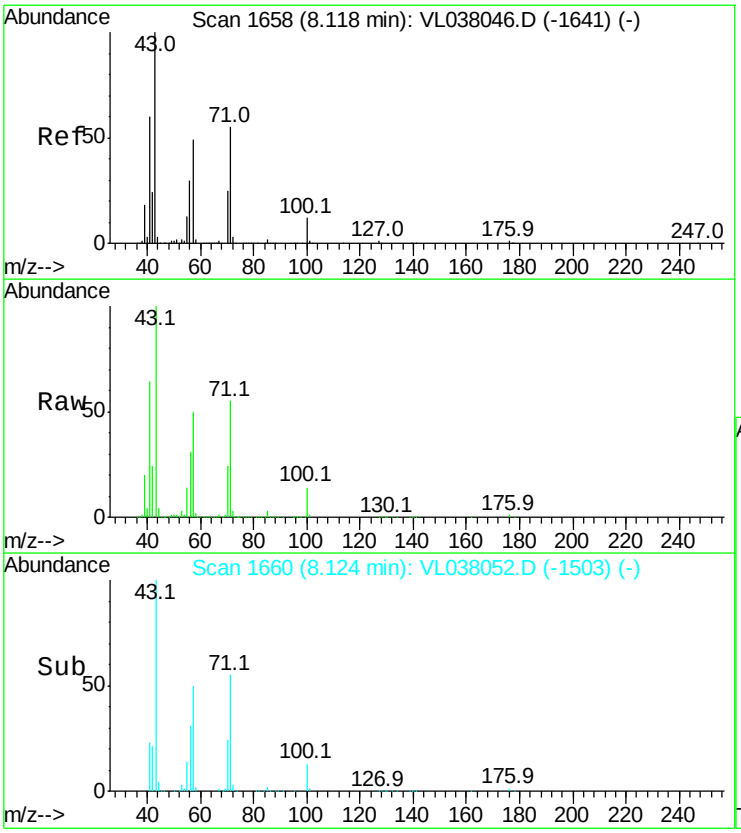
#9
Propene
Concen: 10.498 ppbv
RT: 3.02
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 918790

Ion	Ratio	Lower	Upper
41	100		
42	69.0	53.8	80.8

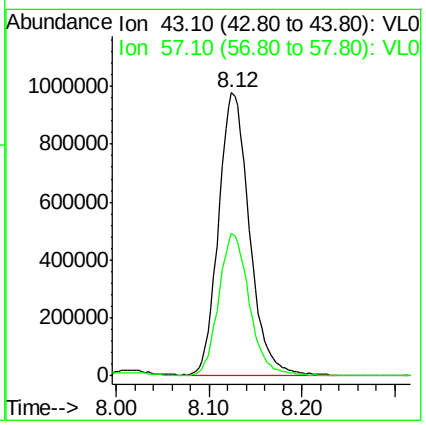


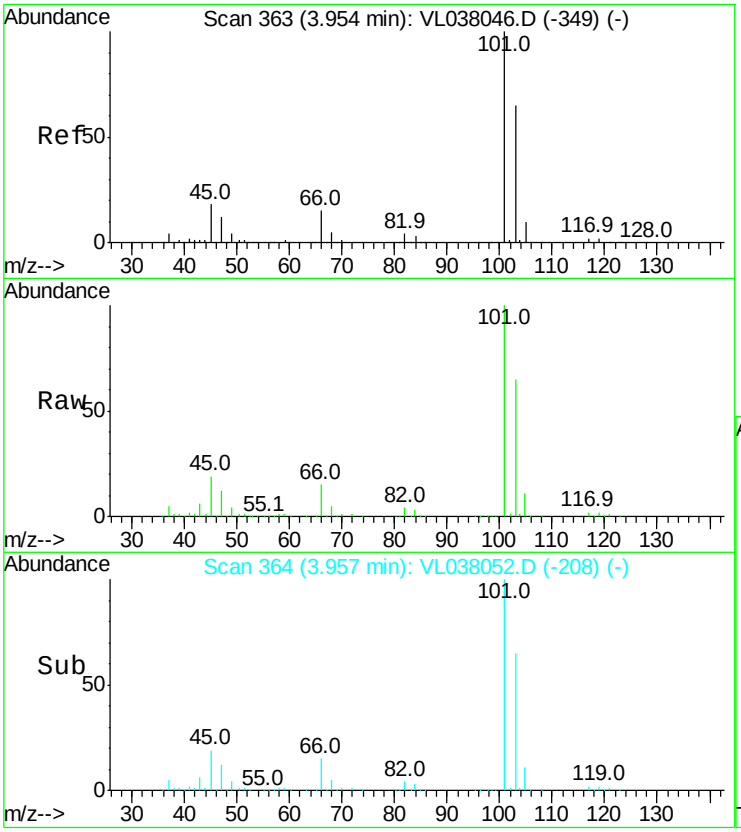


#10
Heptane
Concen: 10.443 ppbv
RT: 8.12 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 43 Resp: 2249467

Ion	Ratio	Lower	Upper
43	100		
57	50.2	40.4	60.6



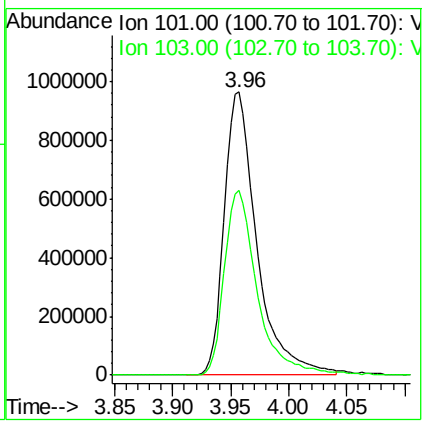


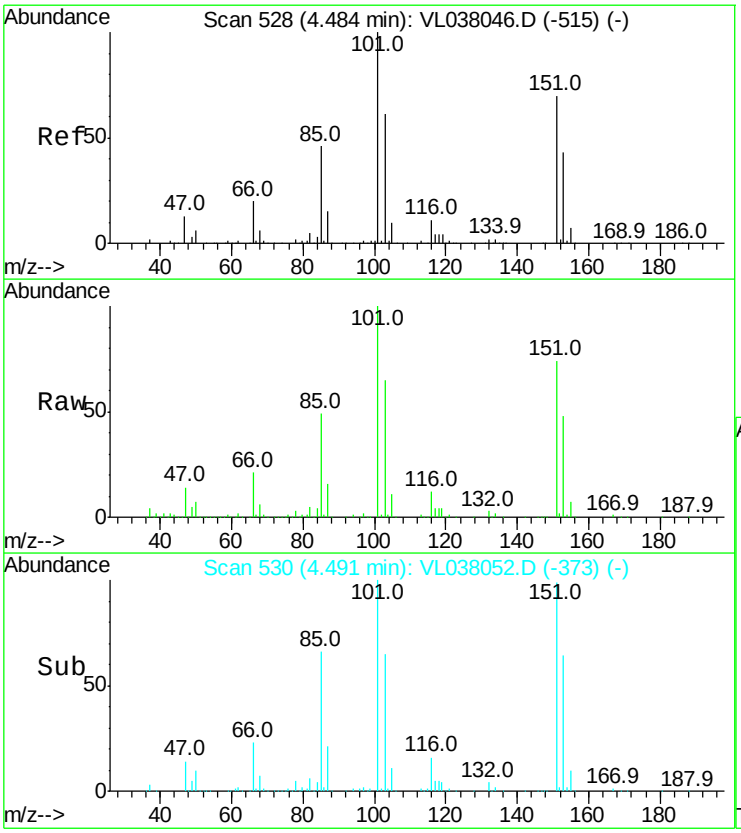
#11
Trichlorofluoromethane
Concen: 10.463 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:101 Resp: 1877167

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.8	77.6

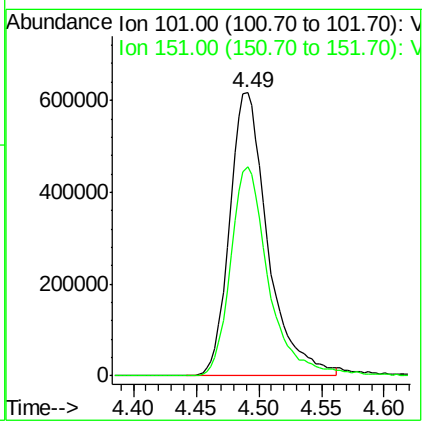


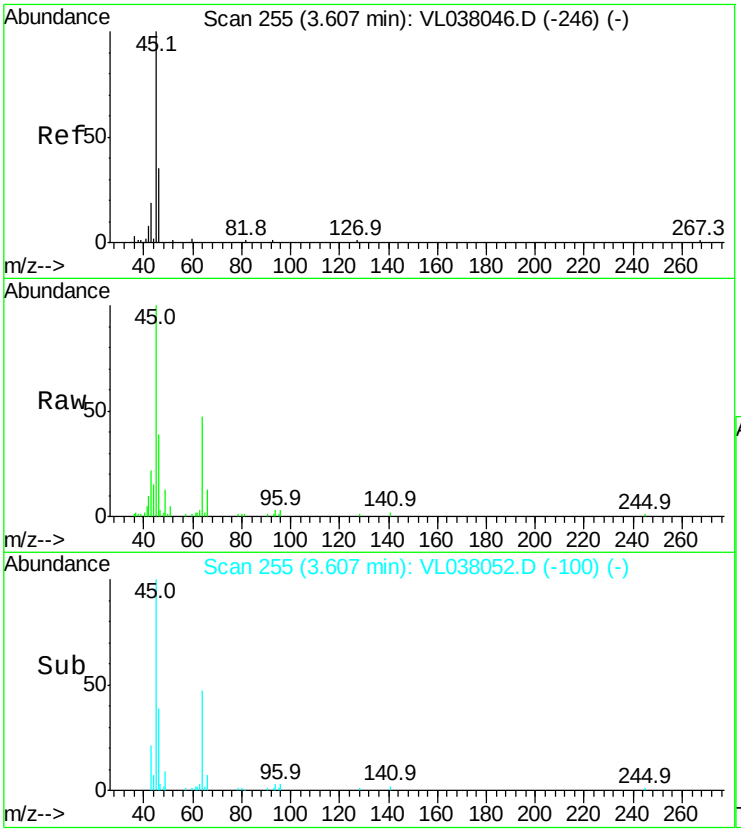


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.399 ppbv
RT: 4.49 min Scan# 530
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion:101 Resp: 1307047

Ion	Ratio	Lower	Upper
101	100		
151	74.2	59.0	88.4



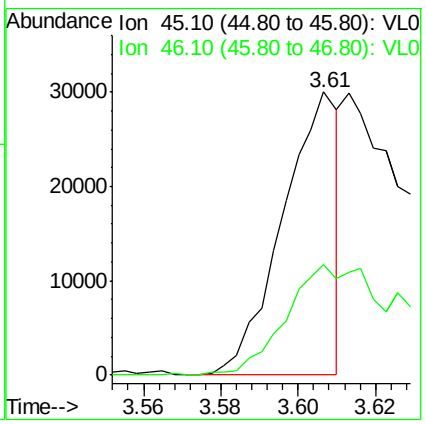


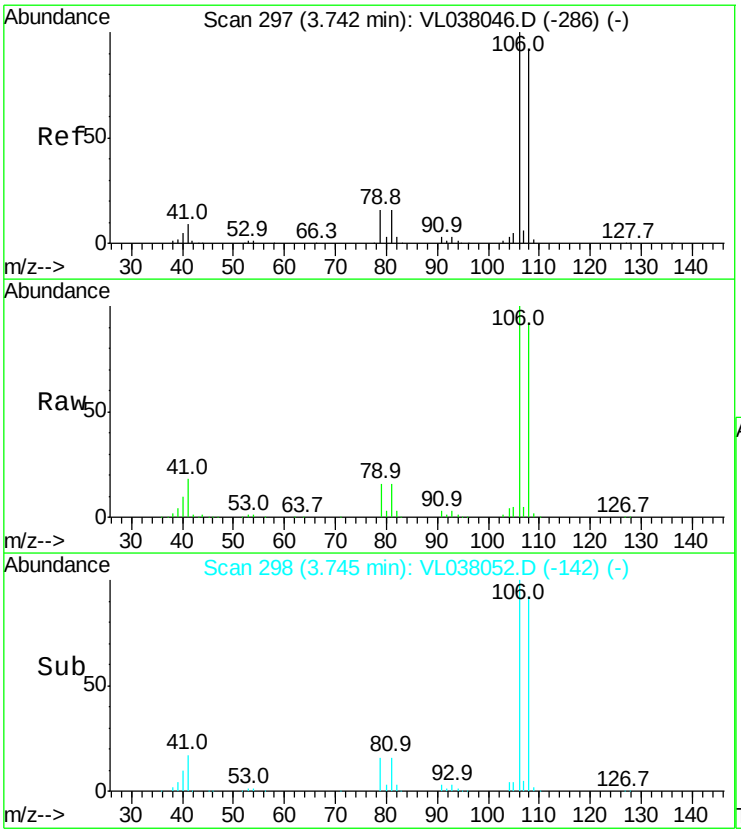
#13
Ethanol
Concen: 3.861 ppbv
RT: 3.61
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 29960

Ion	Ratio	Lower	Upper
45	100		
46	108.3	17.6	70.2#

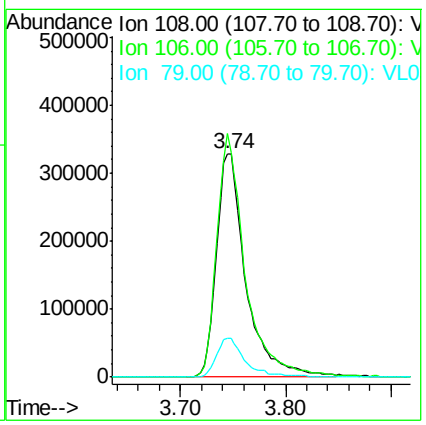


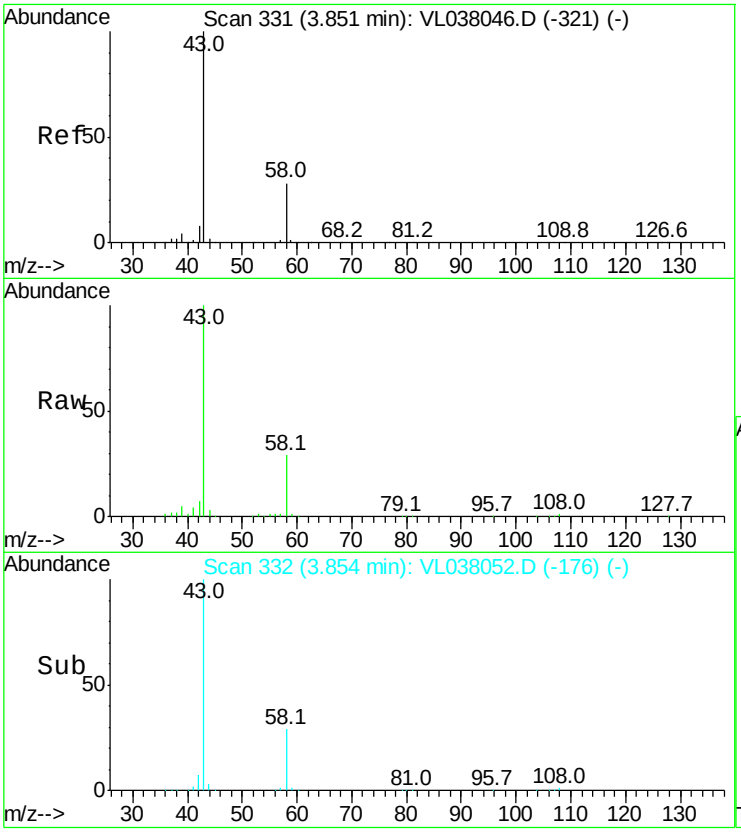


#14
Bromoethene
Concen: 10.941 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.00 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion:108 Resp: 636161

Ion	Ratio	Lower	Upper
108	100		
106	105.3	89.4	134.0
79	17.4	14.1	21.1



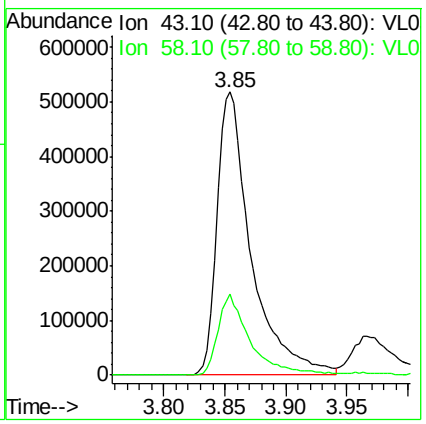


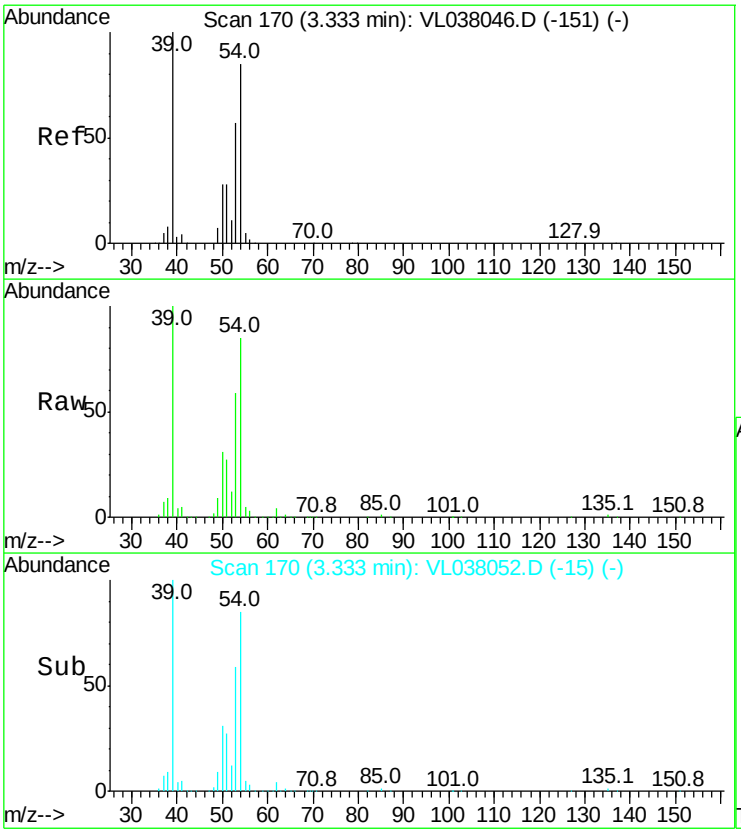
#15
Acetone
Concen: 9.679 ppbv
RT: 3.85
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 1015745

Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.4	33.6

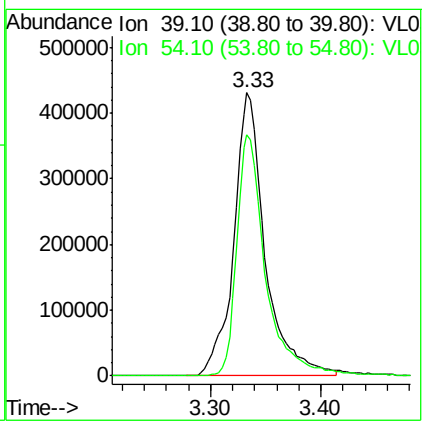


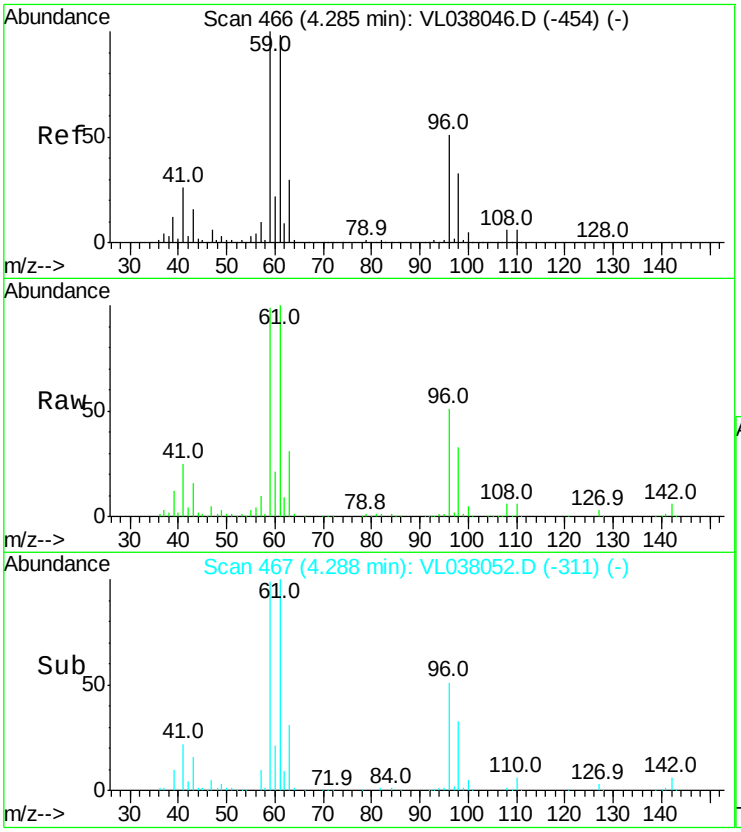


#16
1,3-Butadiene
Concen: 10.886 ppbv
RT: 3.33 min Scan# 170
Delta R.T. -0.00 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 39 Resp: 846025

Ion	Ratio	Lower	Upper
39	100		
54	79.0	64.4	96.6



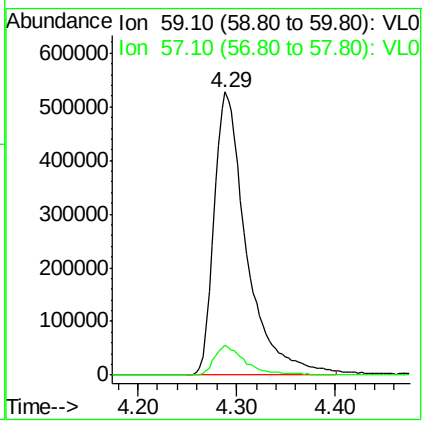


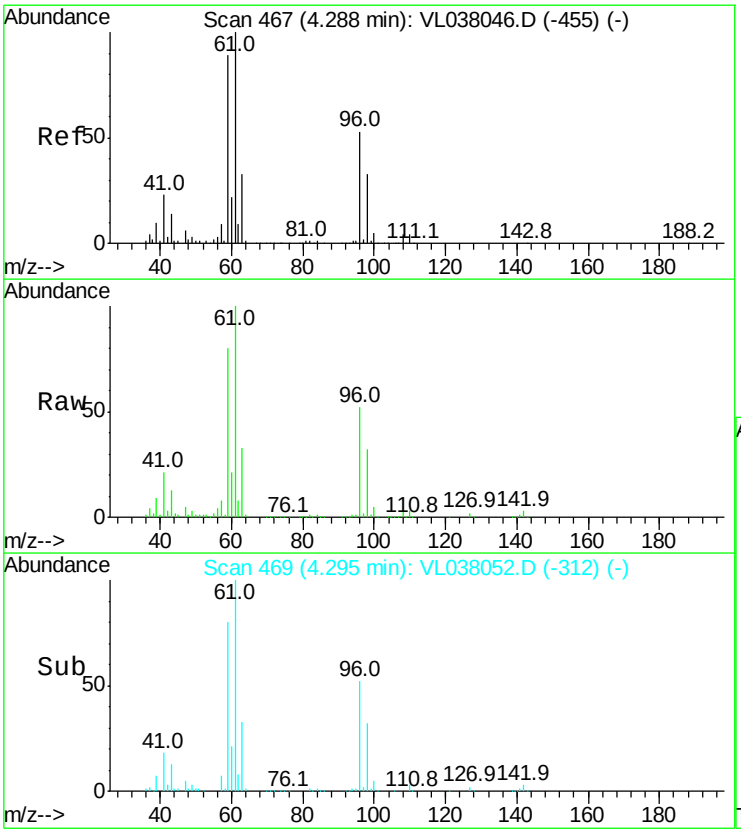
#17
tert-Butyl alcohol
Concen: 8.645 ppbv
RT: 4.29
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 59 Resp: 1218488

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	13.0

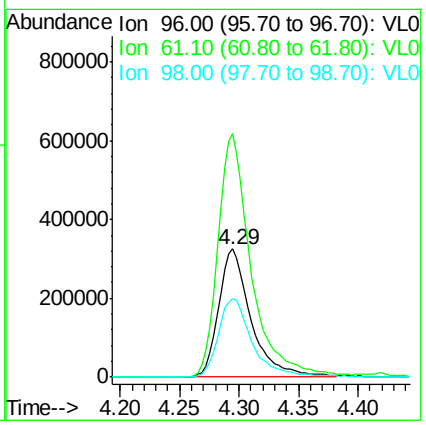


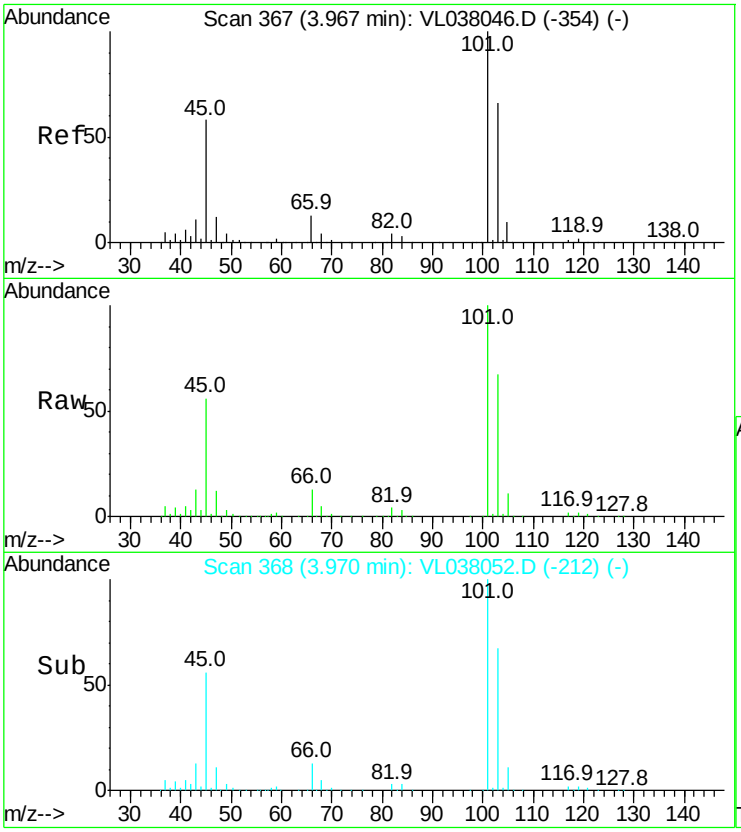


#18
1,1-Dichloroethene
Concen: 9.577 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 96 Resp: 614688

Ion	Ratio	Lower	Upper
96	100		
61	190.3	149.8	224.8
98	61.9	50.2	75.2



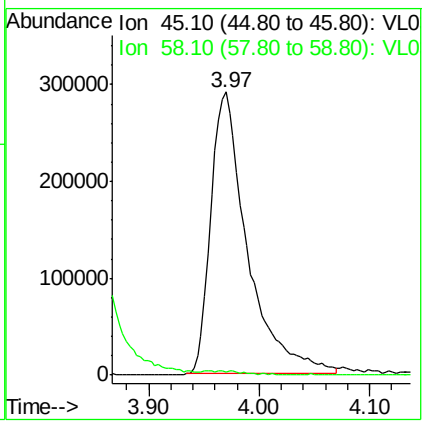


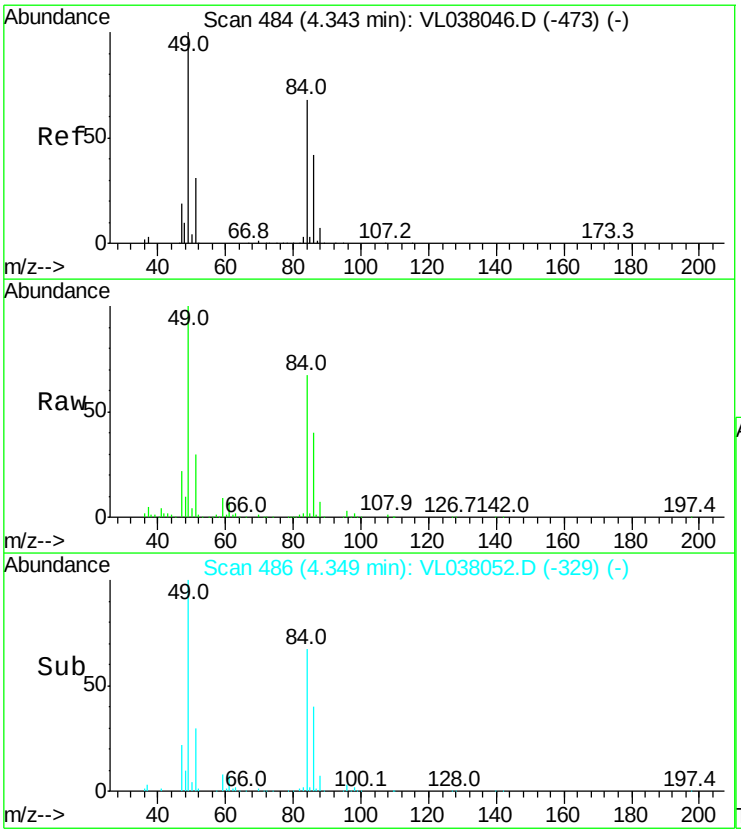
#19
Isopropyl Alcohol
Concen: 8.754 ppbv
RT: 3.97
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 45 Resp: 672793

Ion	Ratio	Lower	Upper
45	100		
58	1.7	1.4	2.0

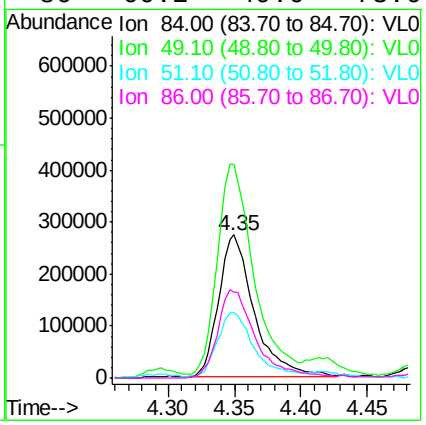


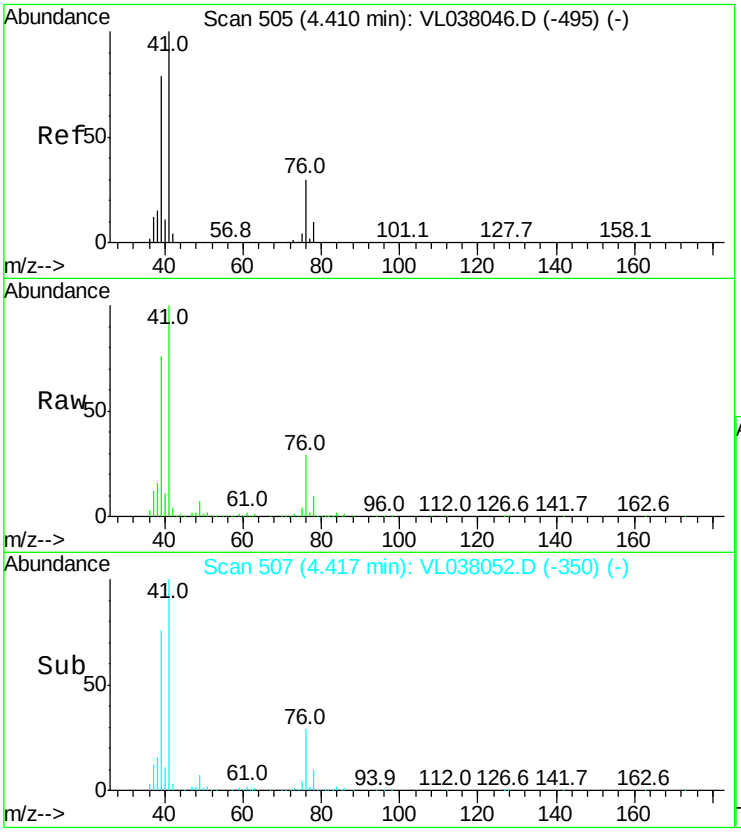


#20
Methylene Chloride
Concen: 8.368 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 84 Resp: 515114

Ion	Ratio	Lower	Upper
84	100		
49	147.4	118.2	177.2
51	44.4	36.8	55.2
86	60.2	49.0	73.6



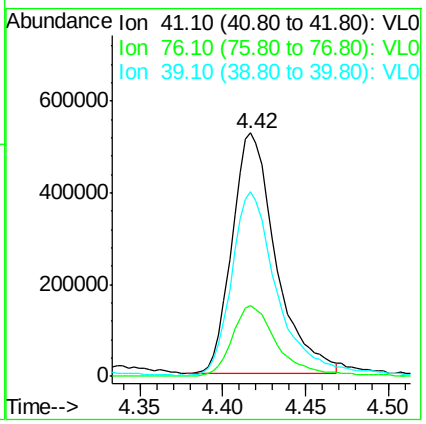


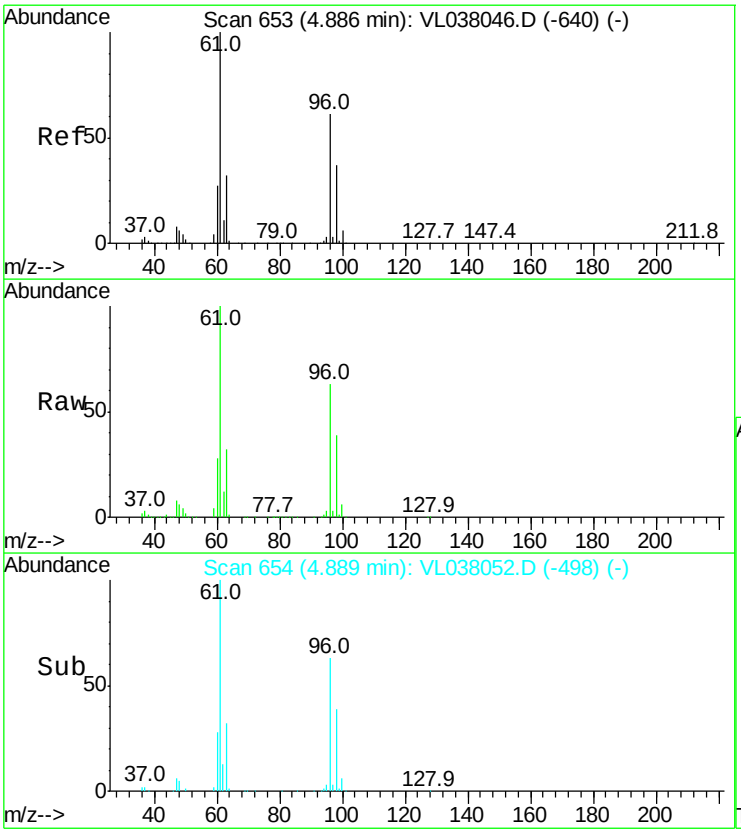
#21
Allyl Chloride
Concen: 9.214 ppbv
RT: 4.42
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 41 Resp: 967649

Ion	Ratio	Lower	Upper
41	100		
76	30.7	24.6	36.8
39	79.4	63.4	95.0

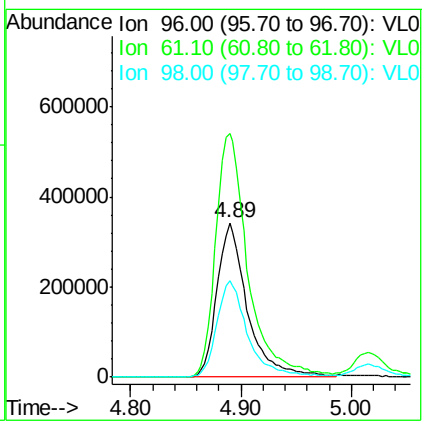


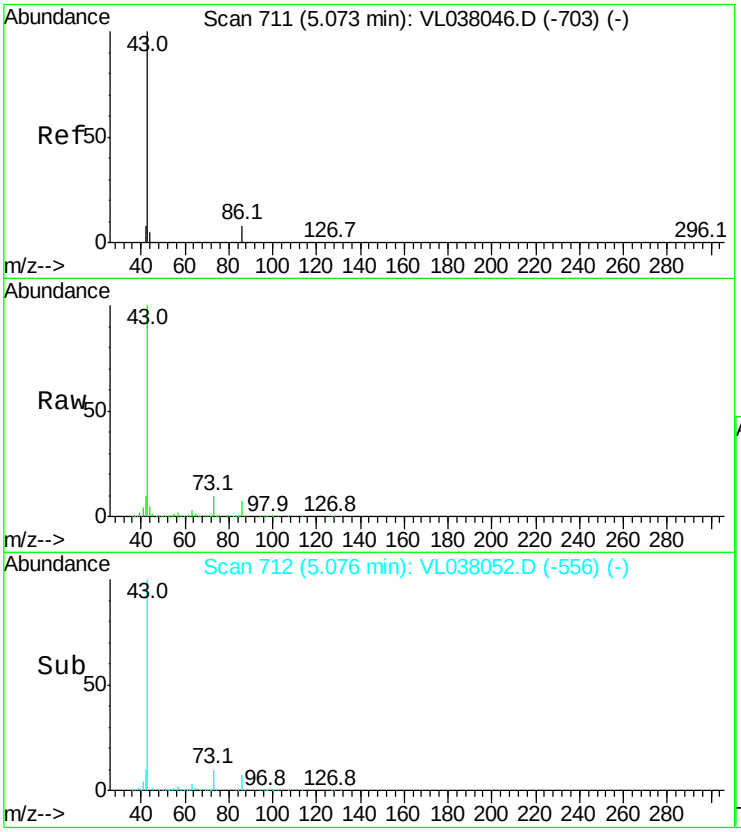


#22
trans-1,2-Dichloroethene
Concen: 10.159 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.00 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 96 Resp: 657868

Ion	Ratio	Lower	Upper
96	100		
61	157.4	131.6	197.4
98	62.0	48.4	72.6



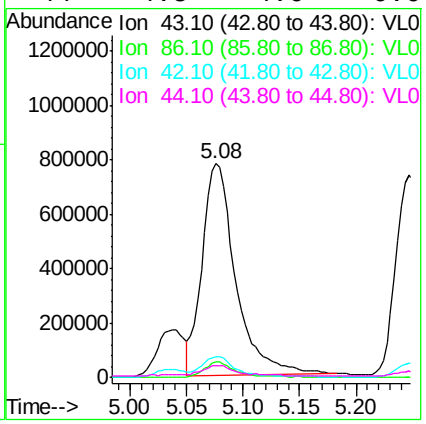


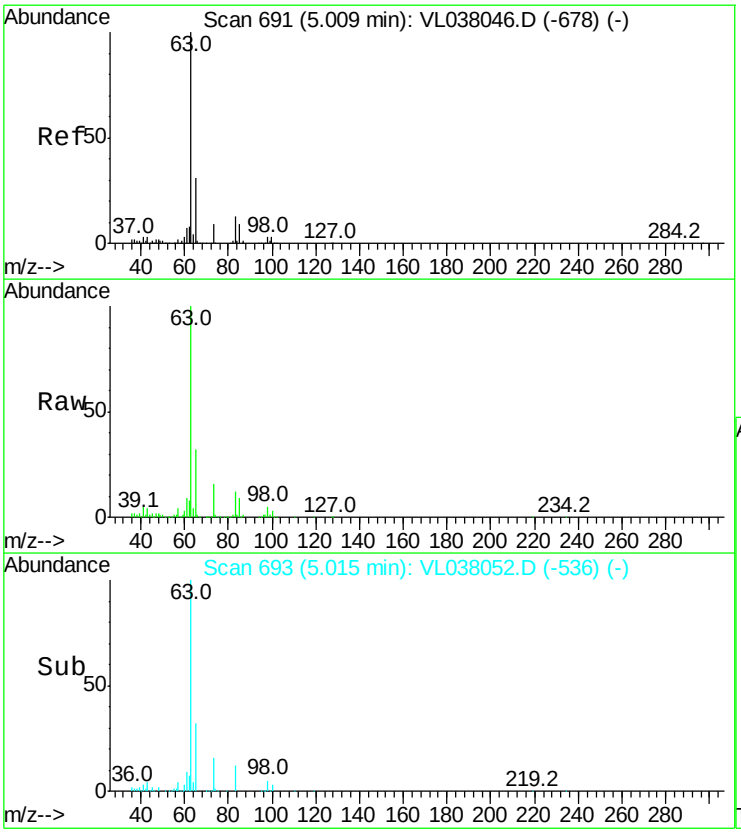
#23
Vinyl Acetate
Concen: 9.269 ppbv
RT: 5.08
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 1611263

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.3	7.9
42	9.8	7.0	10.6
44	4.5	4.0	6.0

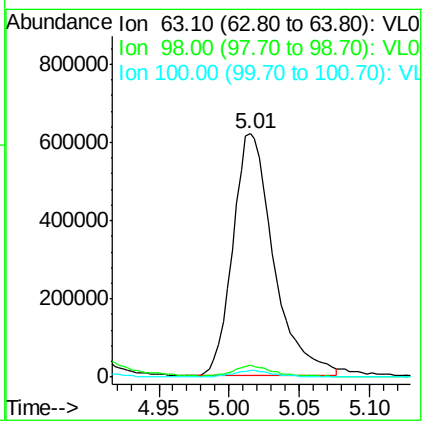


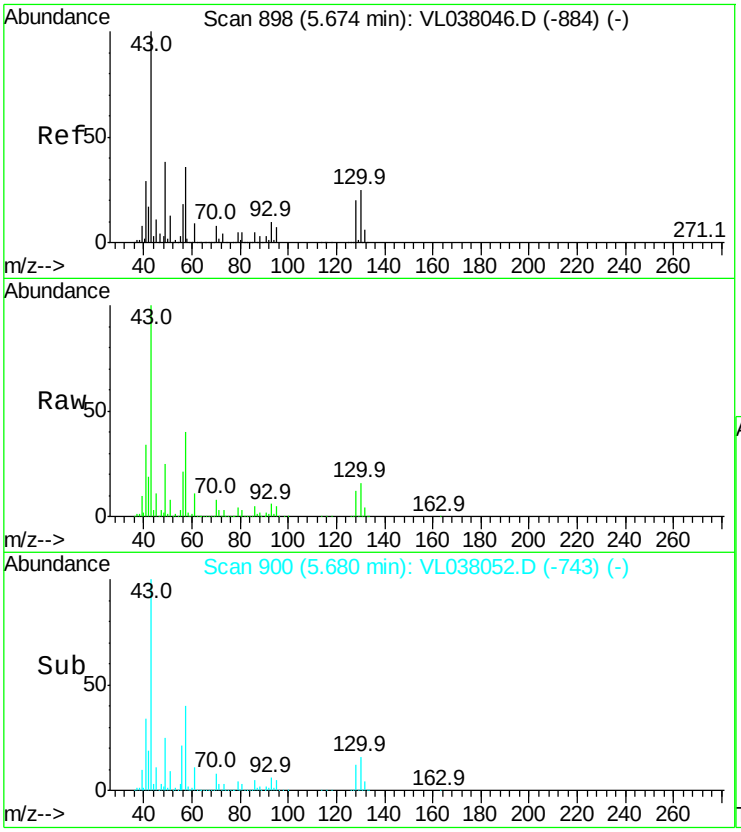


#24
1,1-Dichloroethane
Concen: 9.252 ppbv
RT: 5.01 min Scan# 693
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 63 Resp: 1254375

Ion	Ratio	Lower	Upper
63	100		
98	4.4	1.8	5.4
100	2.6	1.4	4.0



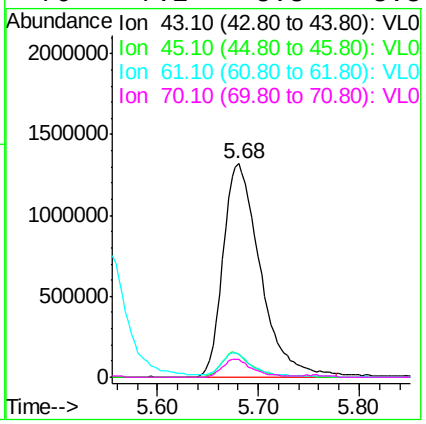


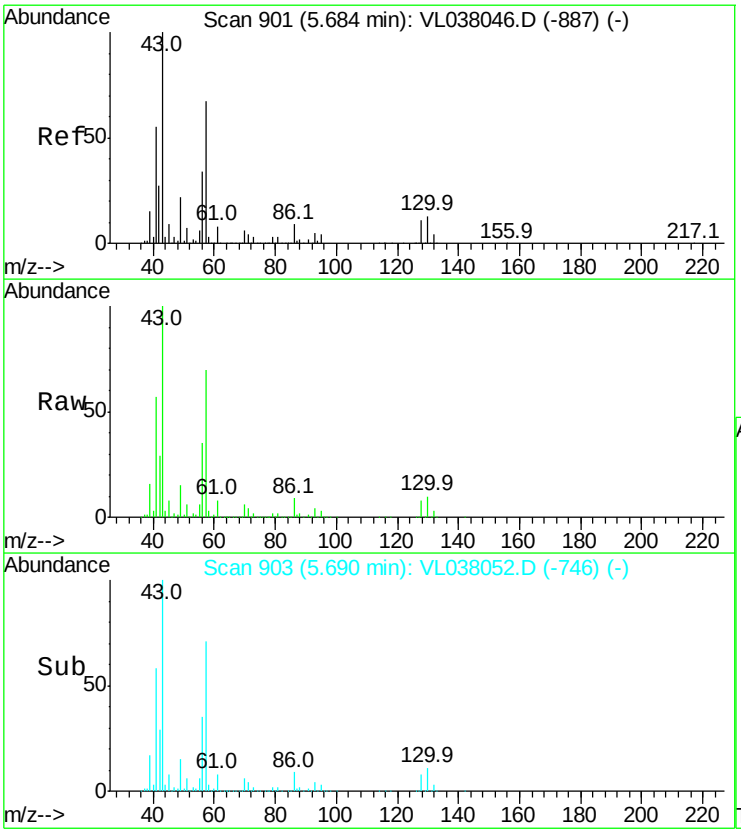
#25
Ethyl Acetate
Concen: 13.695 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 3381114

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	10.1	7.8	11.6
70	7.2	5.8	8.8

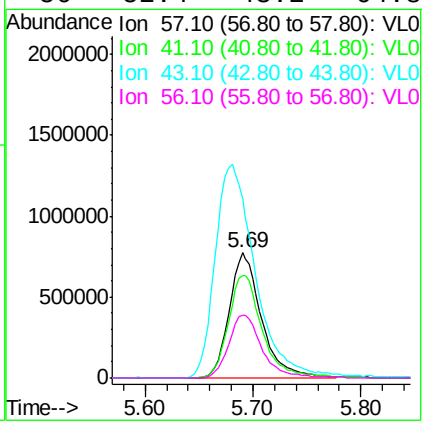


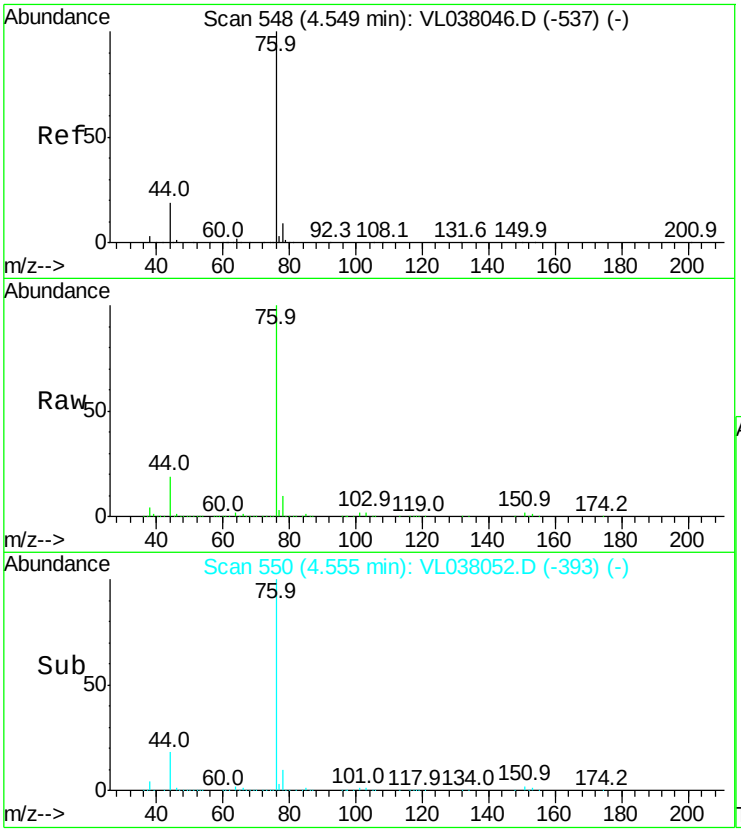


#26
Hexane
Concen: 13.018 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 57 Resp: 1614604

Ion	Ratio	Lower	Upper
57	100		
41	86.7	71.4	107.2
43	212.6	174.6	261.8
56	52.4	43.2	64.8



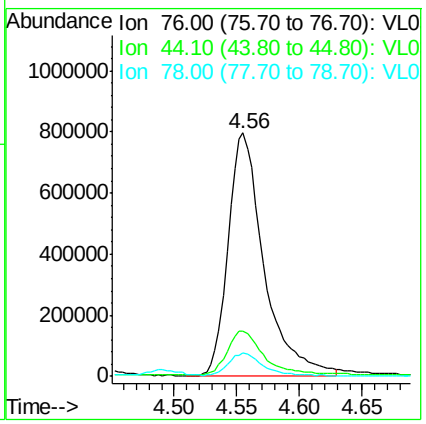


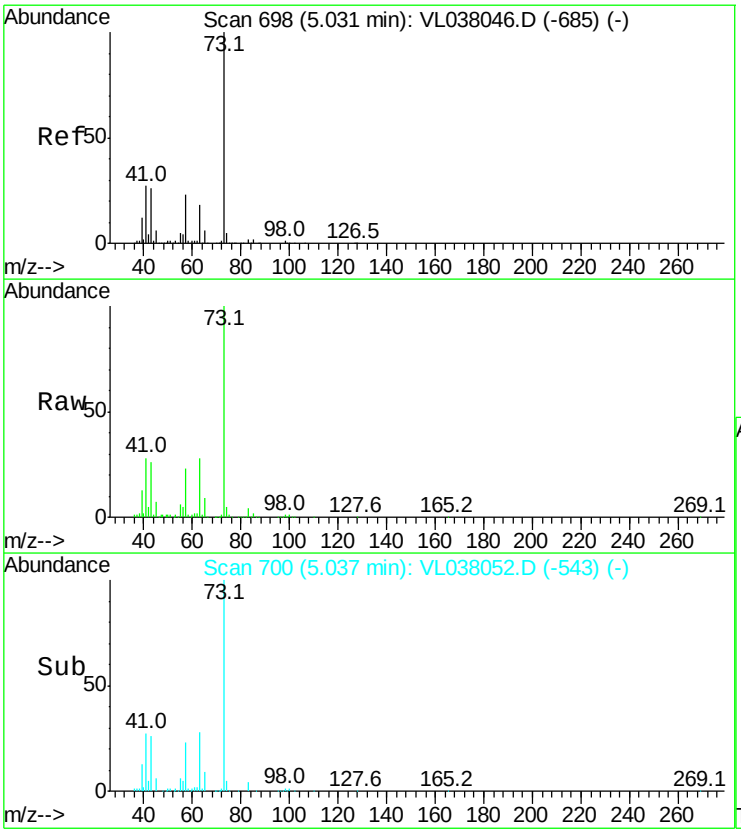
#27
Carbon Disulfide
Concen: 9.704 ppbv
RT: 4.56
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 76 Resp: 1578454

Ion	Ratio	Lower	Upper
76	100		
44	18.9	14.9	22.3
78	10.0	7.6	11.4

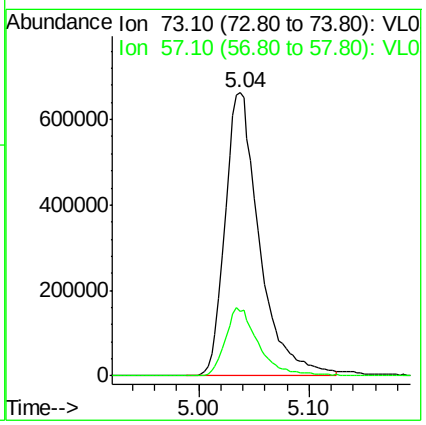


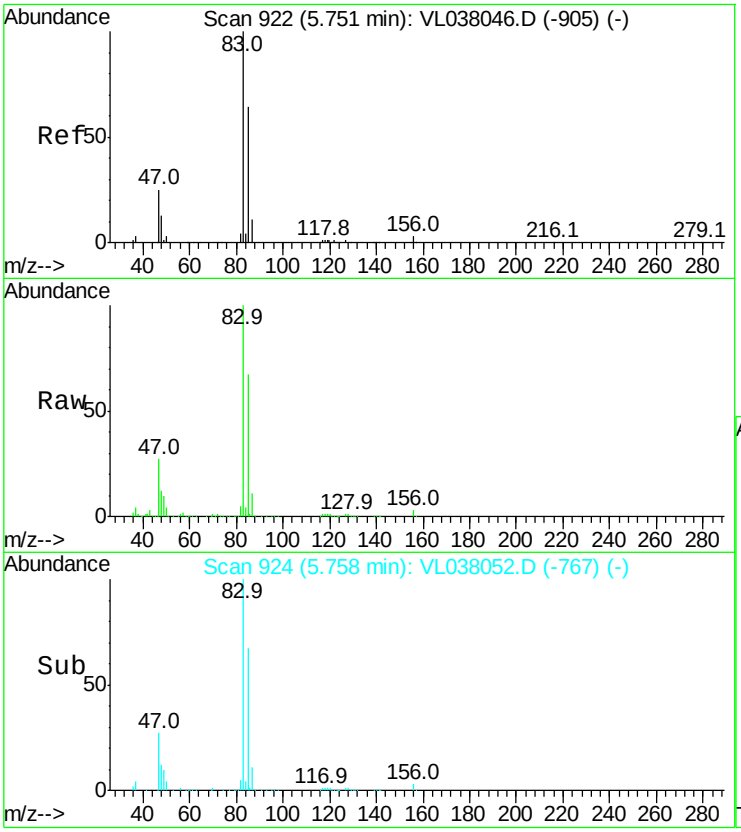


#28
Methyl tert-Butyl Ether
Concen: 9.031 ppbv
RT: 5.04 min Scan# 700
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 73 Resp: 1436455

Ion	Ratio	Lower	Upper
73	100		
57	23.6	19.0	28.4



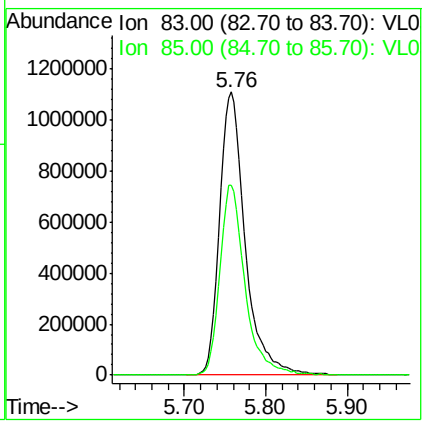


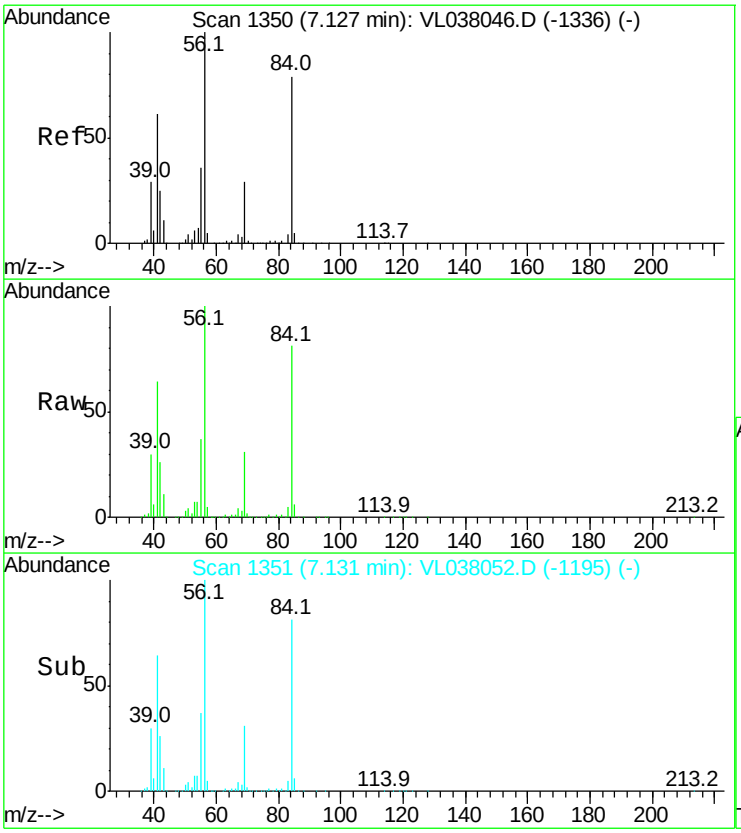
#29
Chloroform
Concen: 13.205 ppbv
RT: 5.76
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 2466659

Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.0	76.6

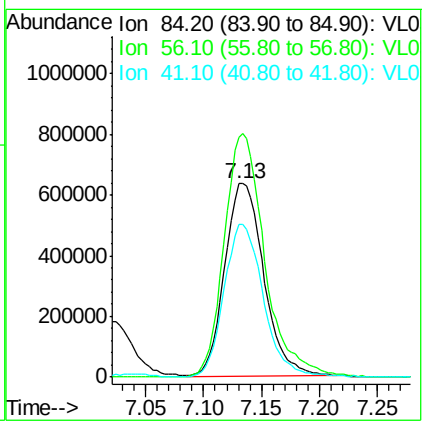


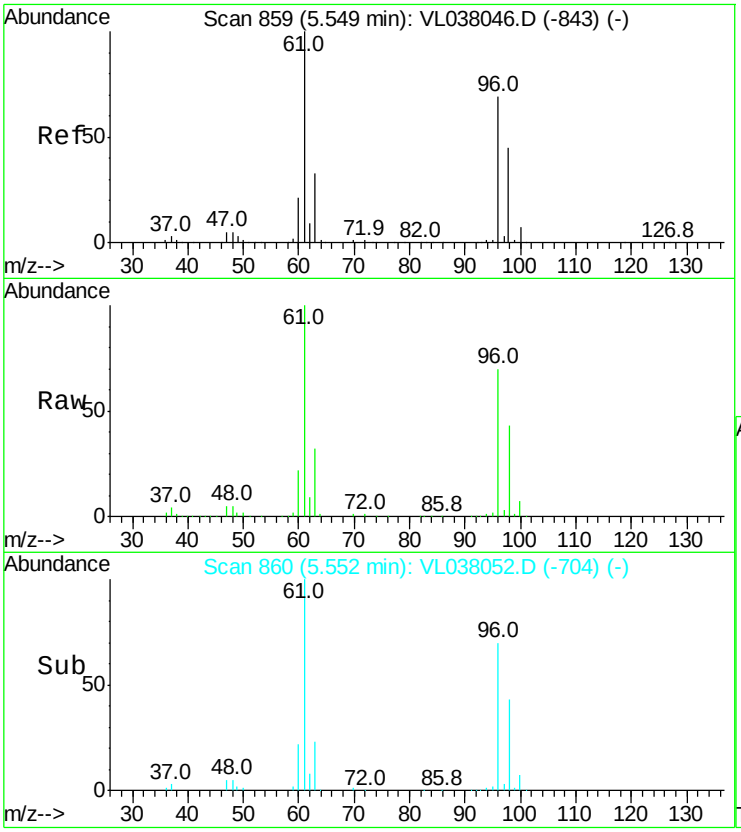


#30
Cyclohexane
Concen: 10.665 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 84 Resp: 1489602

Ion	Ratio	Lower	Upper
84	100		
56	131.0	108.1	162.1
41	79.8	64.4	96.6



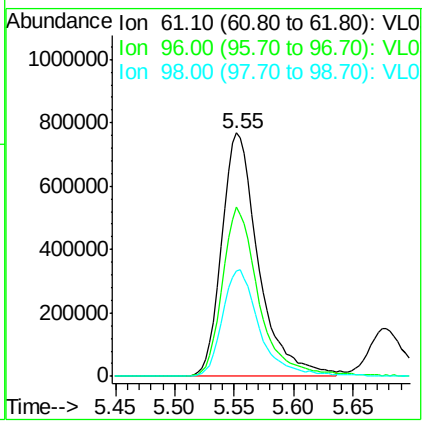


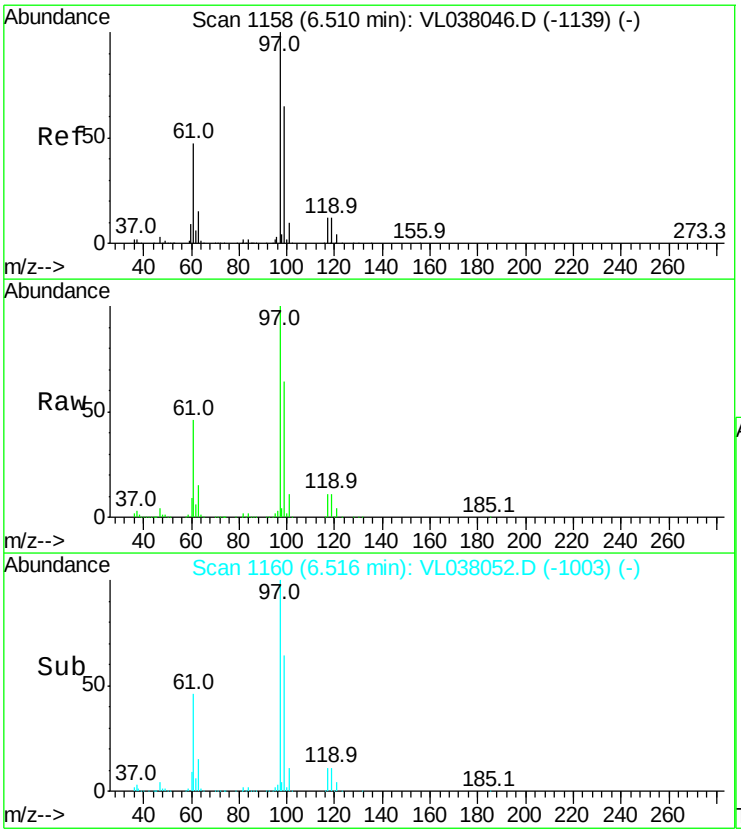
#31
cis-1,2-Dichloroethene
Concen: 15.941 ppbv
RT: 5.55
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 61 Resp: 1636785

Ion	Ratio	Lower	Upper
61	100		
96	69.5	55.4	83.2
98	43.1	35.7	53.5

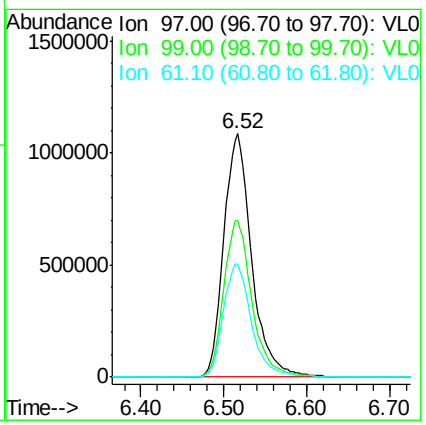


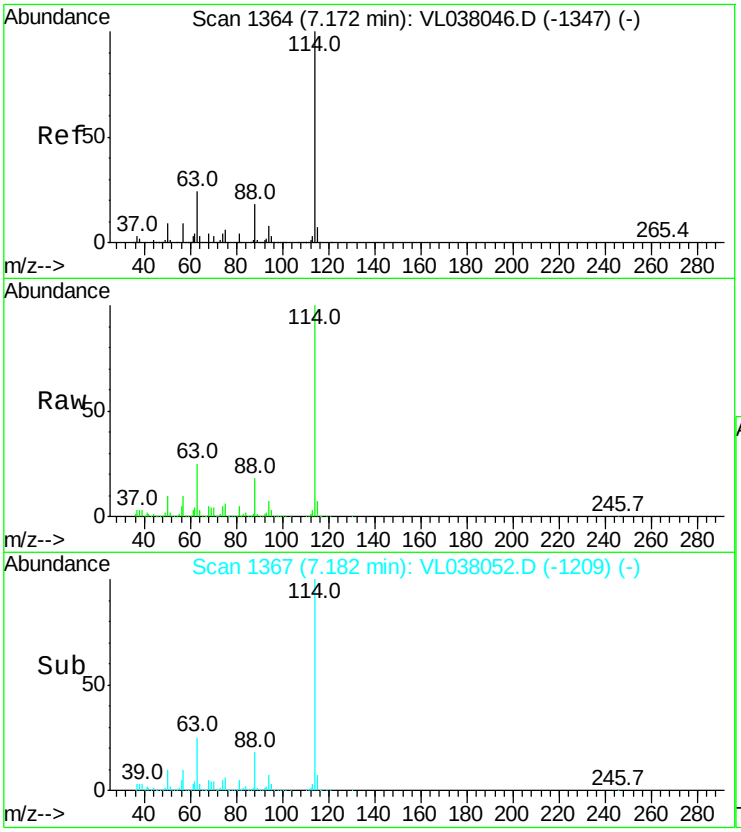


#32
1,1,1-Trichloroethane
Concen: 10.700 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 97 Resp: 2536296

Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.2	78.4
61	47.3	37.7	56.5



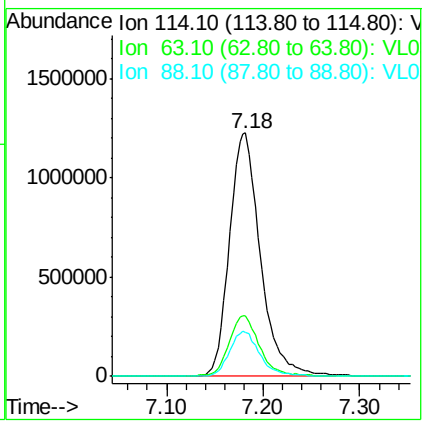


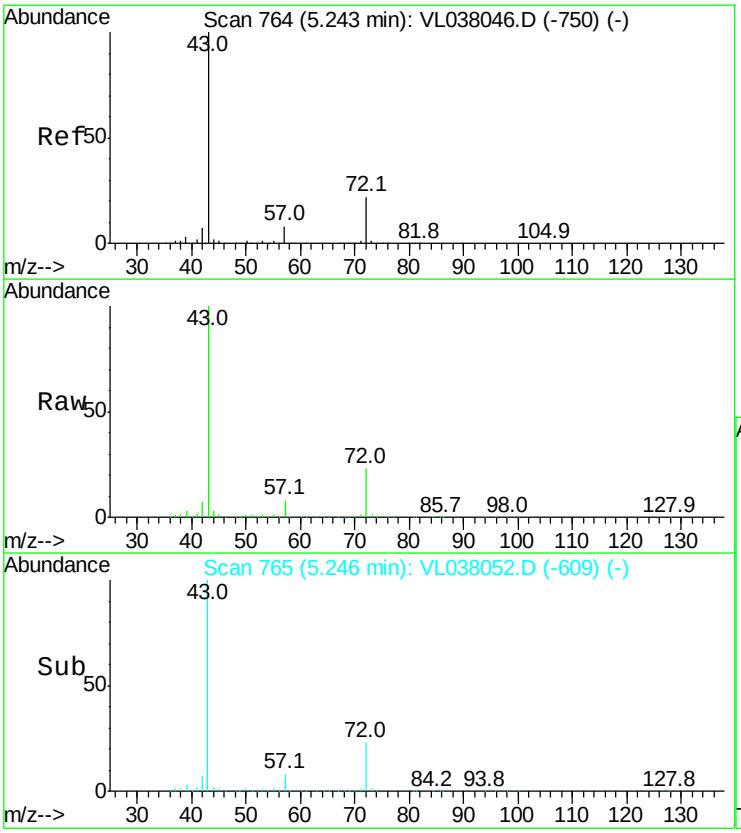
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:114 Resp: 2727312

Ion	Ratio	Lower	Upper
114	100		
63	25.0	19.7	29.5
88	18.1	14.4	21.6

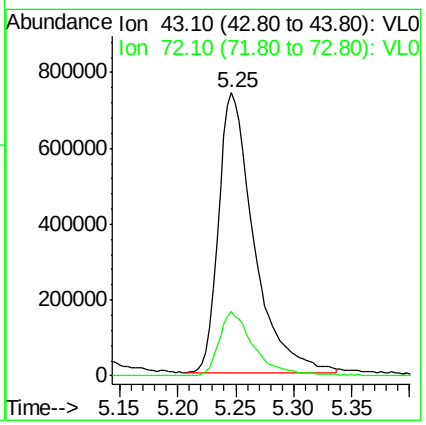


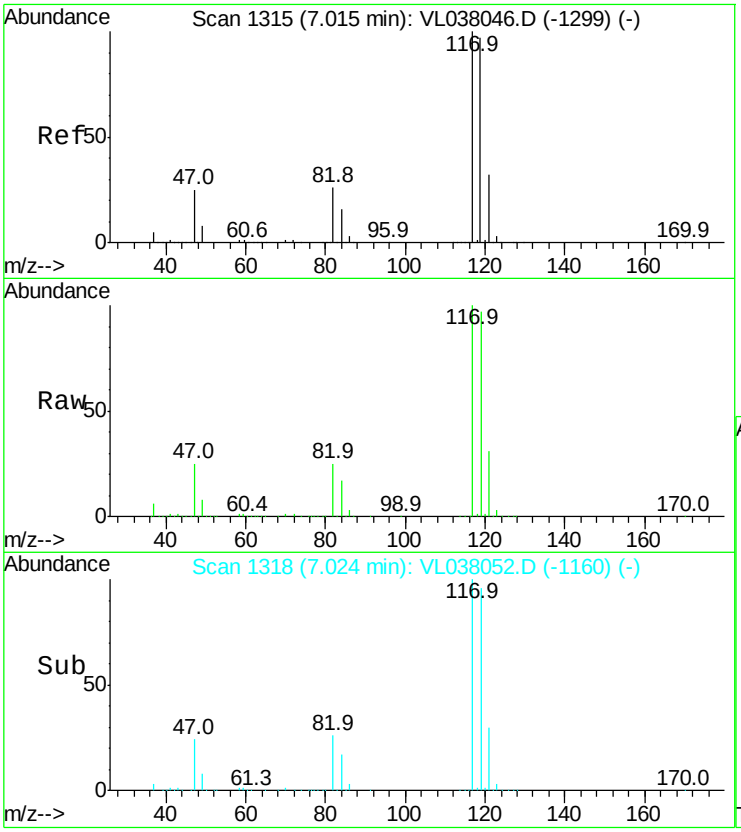


#34
2-Butanone
Concen: 17.414 ppbv
RT: 5.25 min Scan# 765
Delta R.T. 0.00 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 43 Resp: 1566472

Ion	Ratio	Lower	Upper
43	100		
72	23.3	18.8	28.2



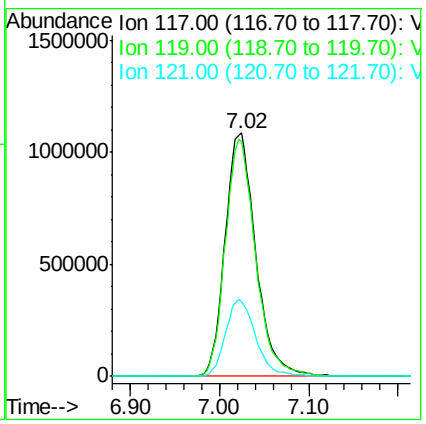


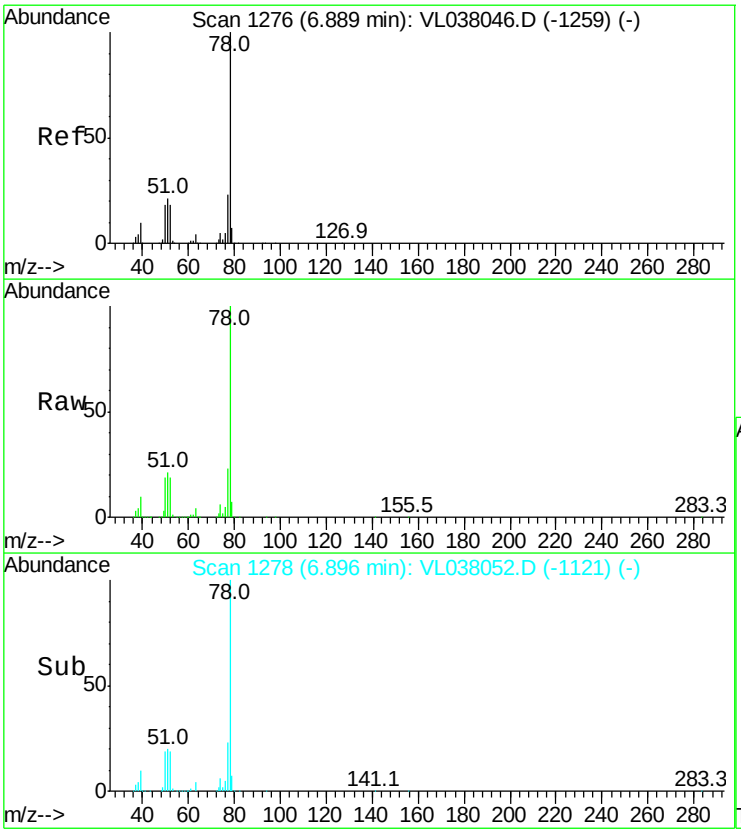
#35
Carbon Tetrachloride
Concen: 13.735 ppbv
RT: 7.02
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 2589181

Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.7	116.5
121	30.5	25.6	38.4

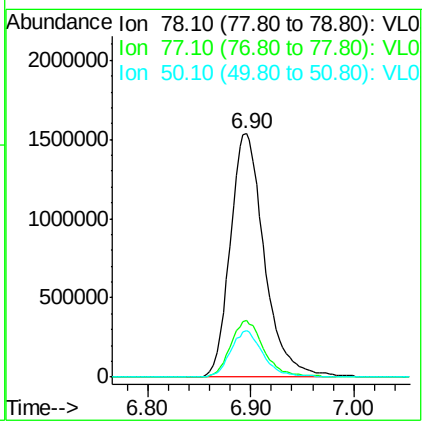


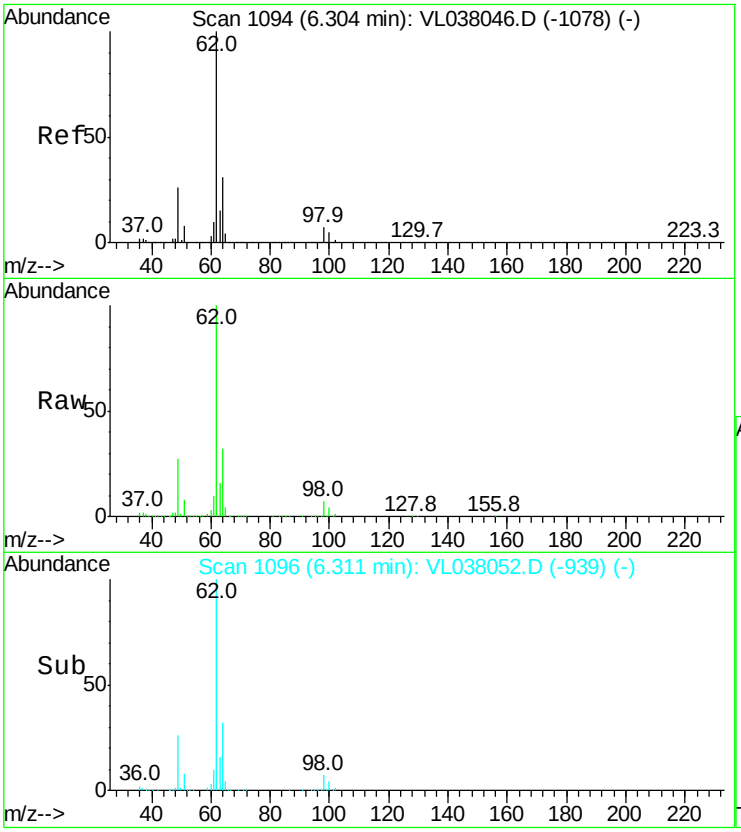


#36
Benzene
Concen: 13.629 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 78 Resp: 3535738

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.2	27.4
50	19.1	14.7	22.1



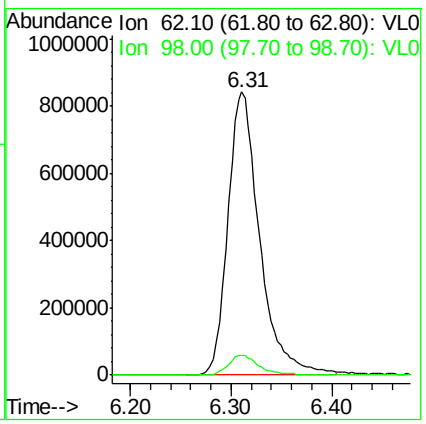


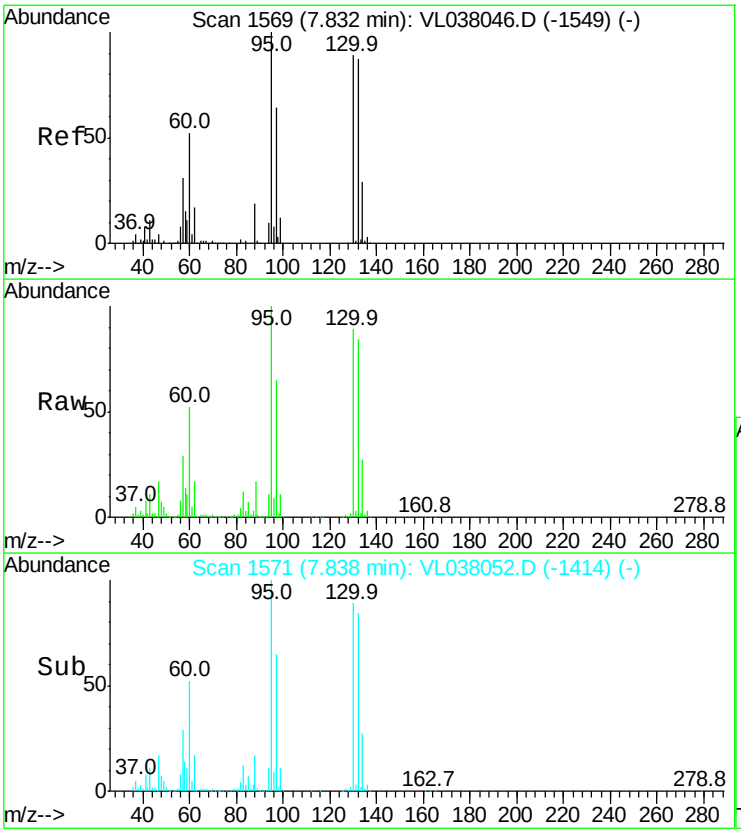
#37
1,2-Dichloroethane
Concen: 15.315 ppbv
RT: 6.31
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 62 Resp: 1844211

Ion	Ratio	Lower	Upper
62	100		
98	7.0	5.8	8.6

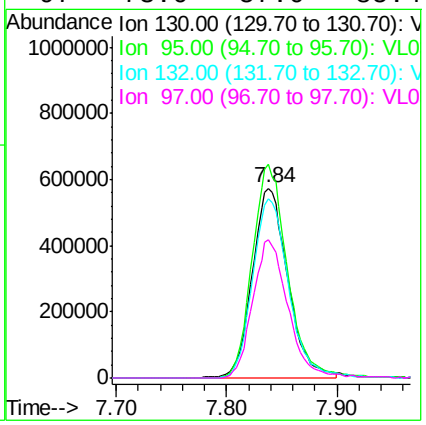


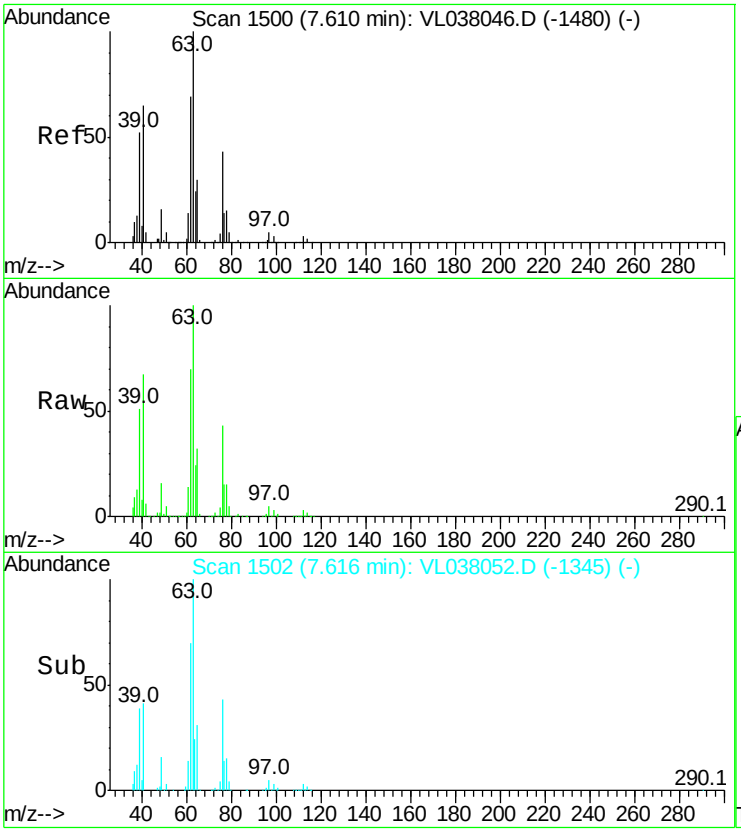


#38
Trichloroethene
Concen: 12.087 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion:130 Resp: 1273922

Ion	Ratio	Lower	Upper
130	100		
95	112.5	89.4	134.2
132	94.7	78.2	117.2
97	73.0	57.0	85.4



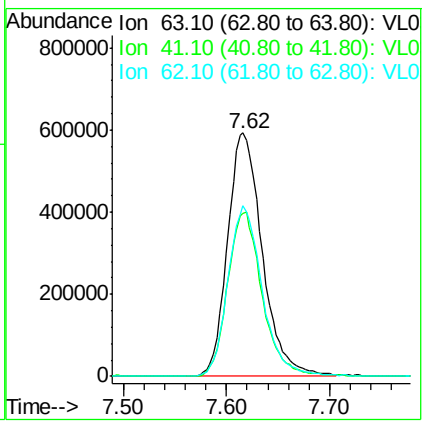


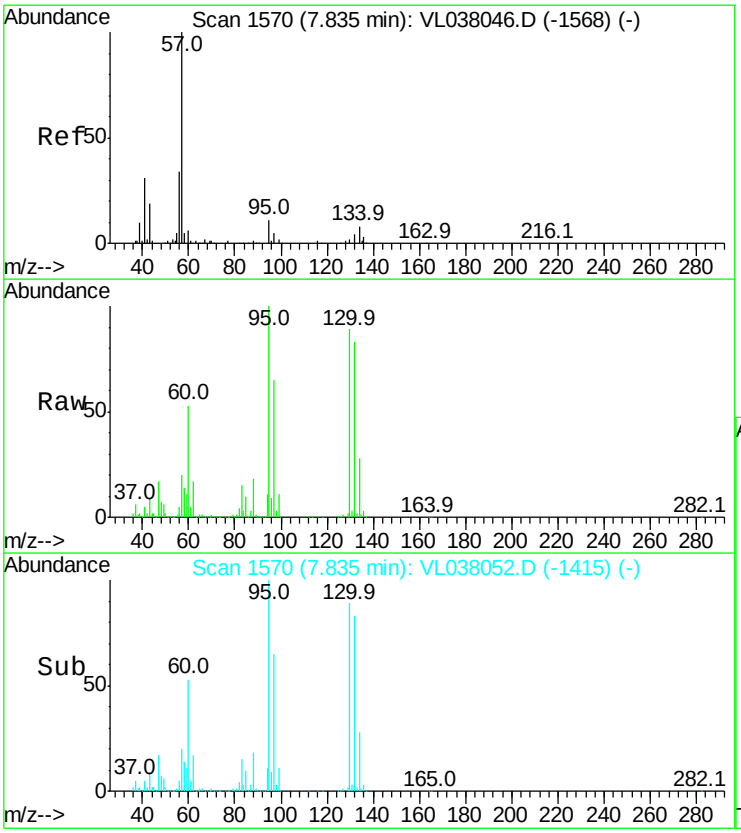
#39
1,2-Dichloropropane
Concen: 13.876 ppbv
RT: 7.62
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 63 Resp: 1391555

Ion	Ratio	Lower	Upper
63	100		
41	66.8	52.3	78.5
62	70.2	55.1	82.7

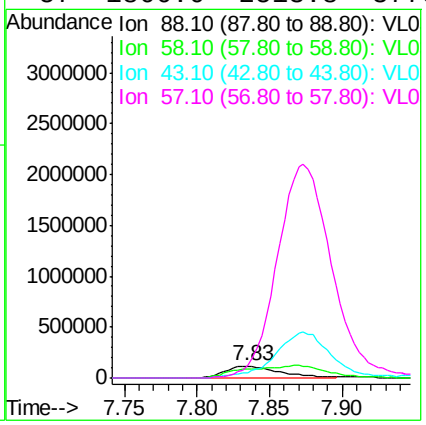


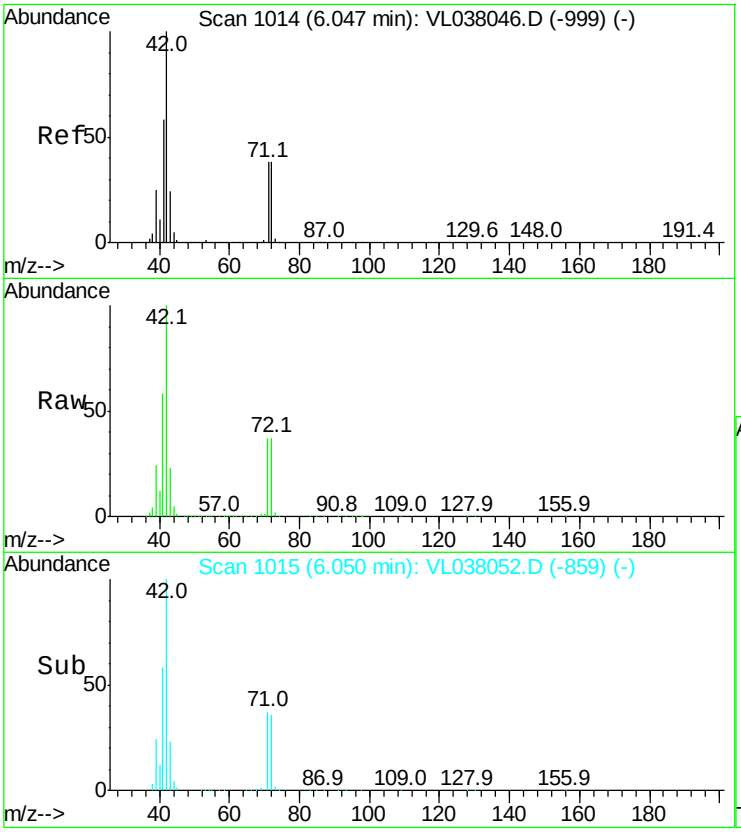


#40
1,4-Dioxane
Concen: 11.505 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 88 Resp: 297547

Ion	Ratio	Lower	Upper
88	100		
58	166.1	229.2	343.8#
43	415.9	553.3	829.9#
57	1866.0	2513.8	3770.8#



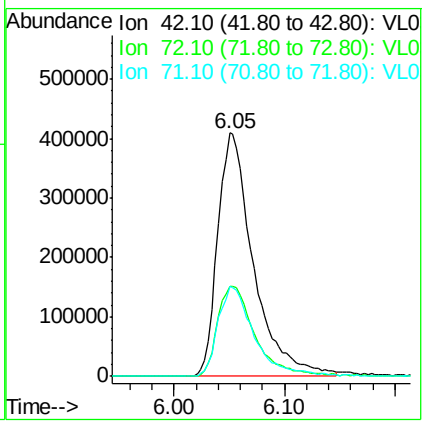


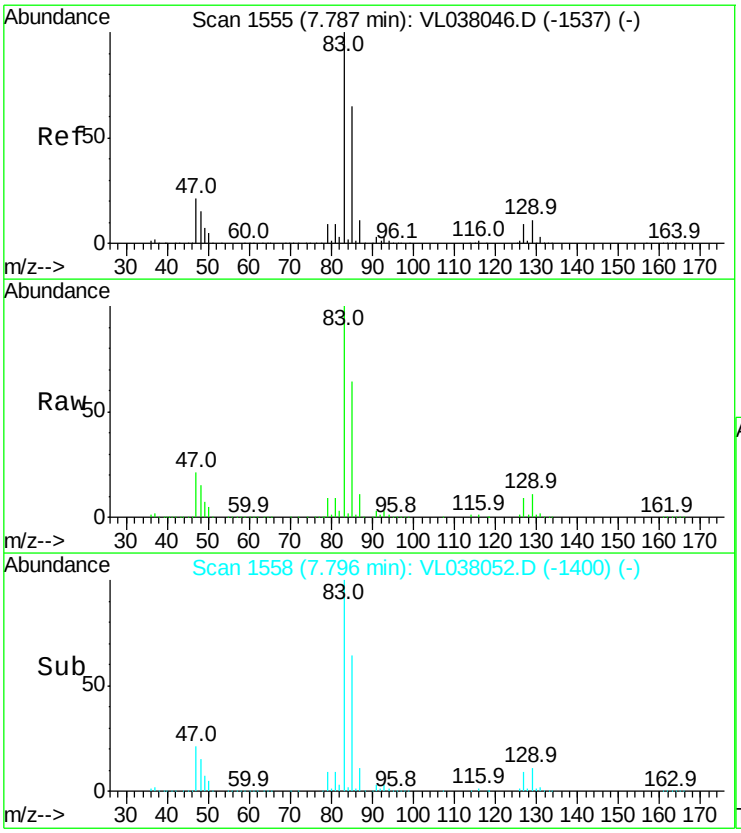
#41
Tetrahydrofuran
Concen: 14.214 ppbv
RT: 6.05
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 42 Resp: 917491

Ion	Ratio	Lower	Upper
42	100		
72	39.5	31.7	47.5
71	37.8	30.6	46.0

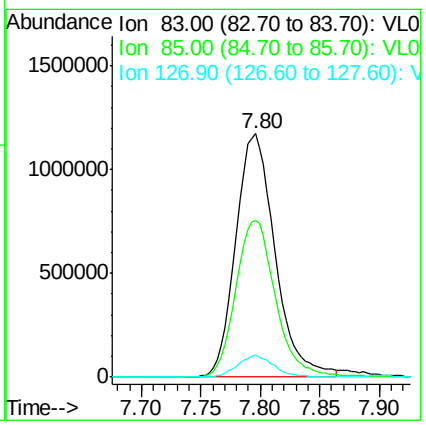


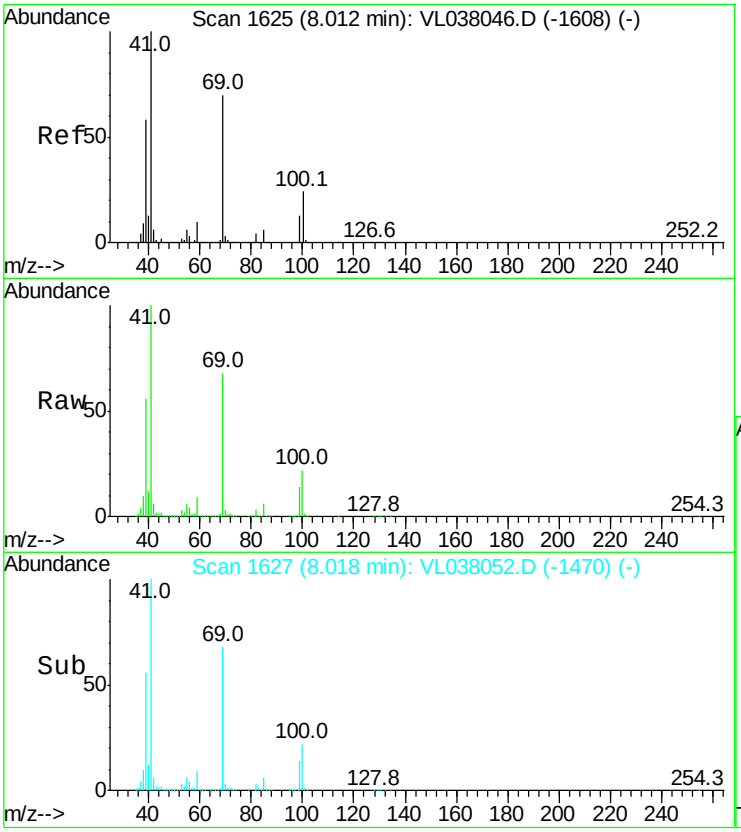


#42
Bromodichloromethane
Concen: 14.192 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 83 Resp: 2690337

Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.9	77.9
127	9.0	6.8	10.2



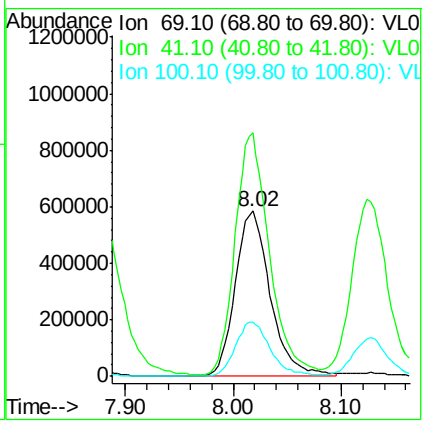


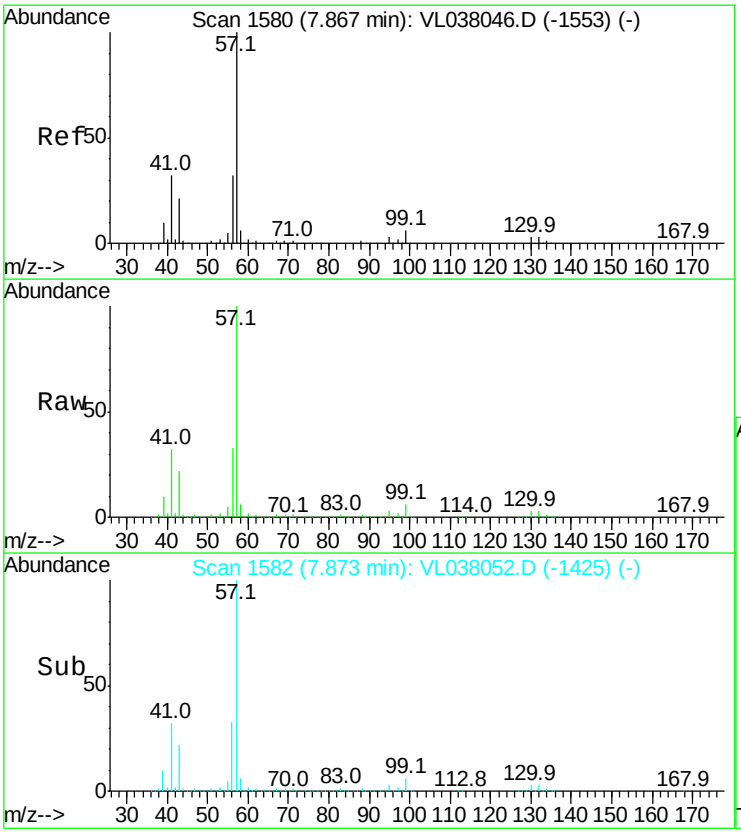
#43
Methyl Methacrylate
Concen: 14.308 ppbv
RT: 8.02
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 69 Resp: 1324019

Ion	Ratio	Lower	Upper
69	100		
41	145.3	116.7	175.1
100	32.7	27.3	40.9

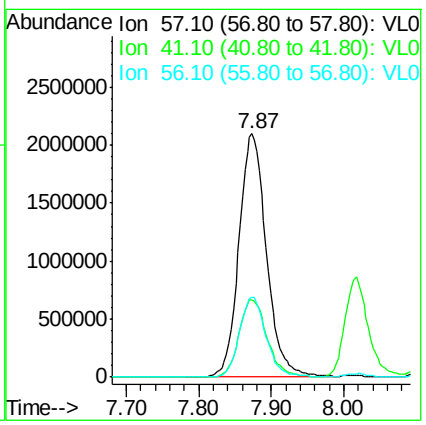


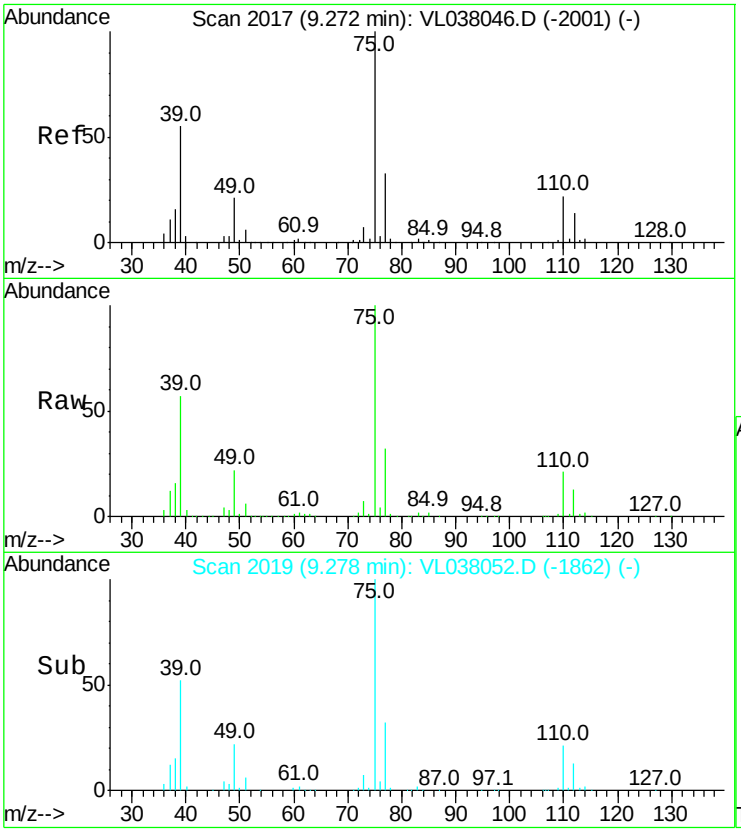


#44
2,2,4-Trimethylpentane
Concen: 12.453 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 57 Resp: 5550119

Ion	Ratio	Lower	Upper
57	100		
41	32.5	25.8	38.6
56	31.8	25.6	38.4



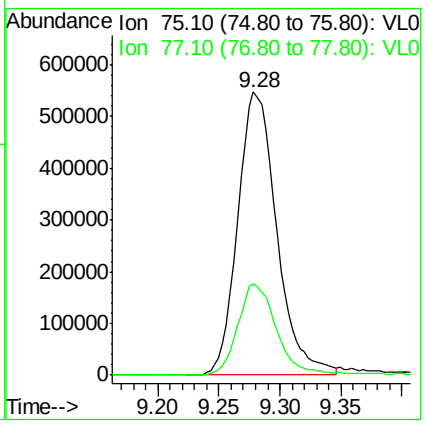


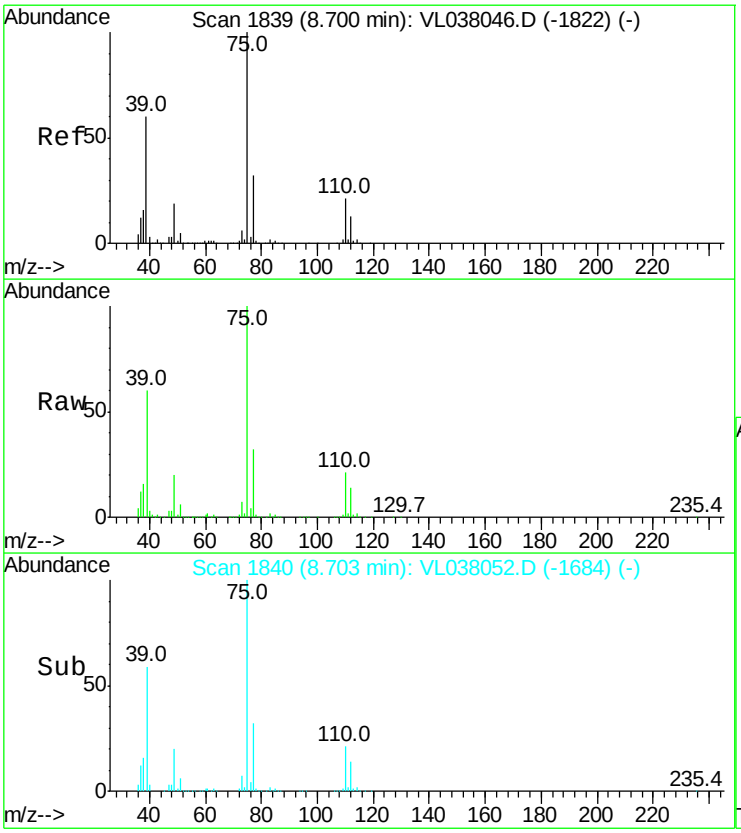
#45
t-1,3-Dichloropropene
Concen: 15.758 ppbv
RT: 9.28
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 75 Resp: 1207679

Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.2	39.4

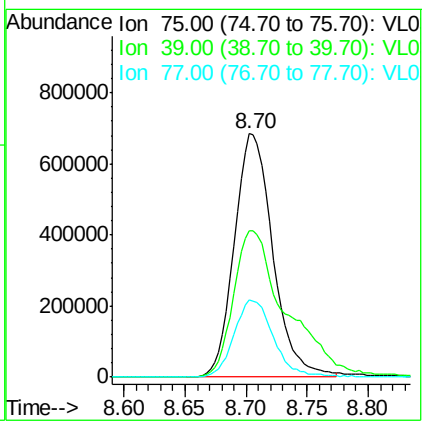


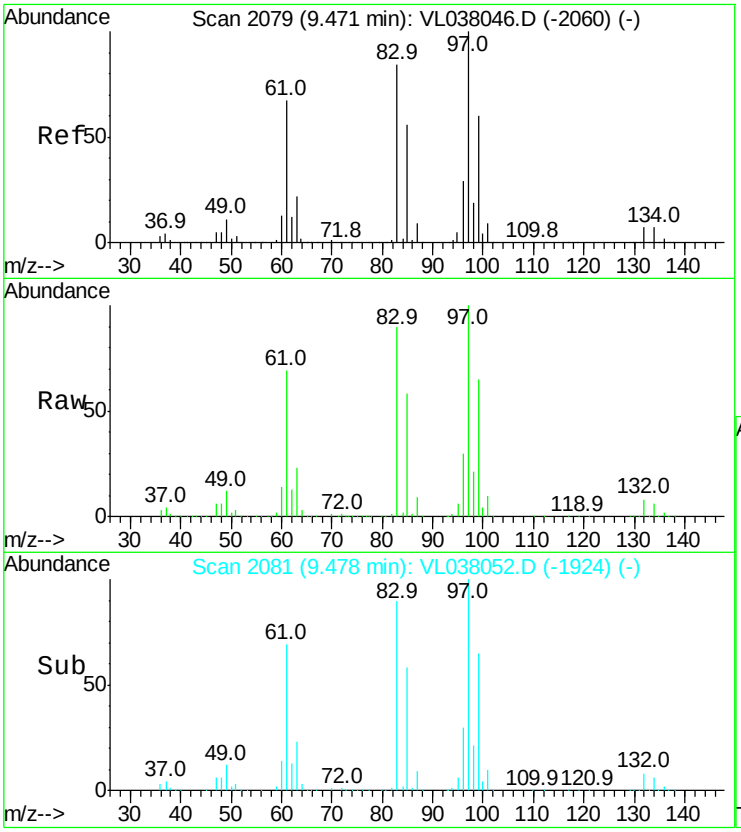


#46
cis-1,3-Dichloropropene
Concen: 14.953 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. 0.00 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 75 Resp: 1497729

Ion	Ratio	Lower	Upper
75	100		
39	60.1	47.8	71.8
77	31.7	25.5	38.3



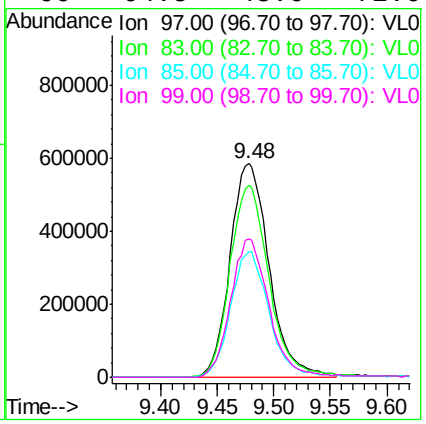


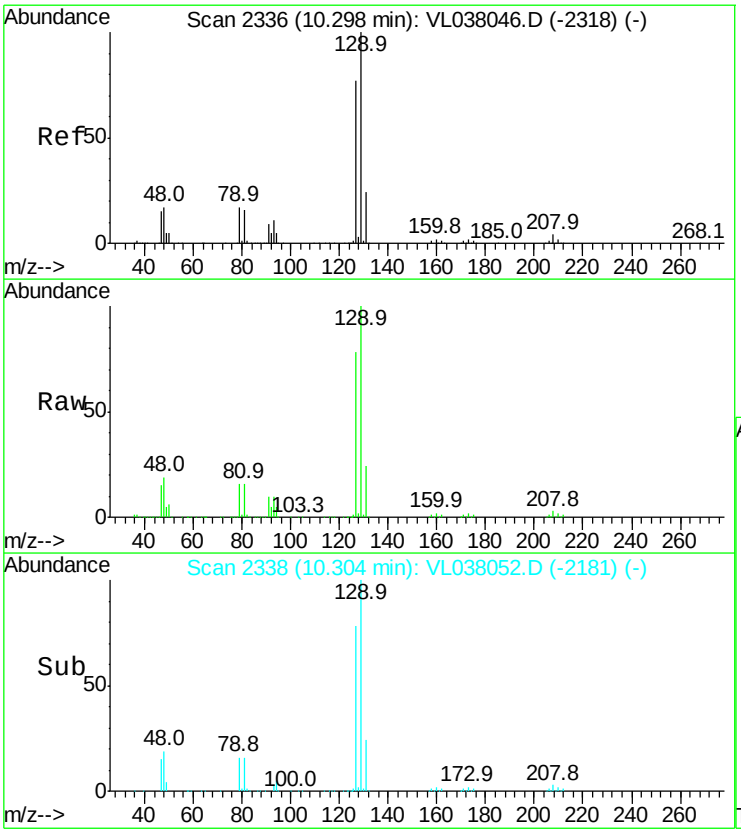
#47
1,1,2-Trichloroethane
Concen: 13.806 ppbv
RT: 9.48
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 97 Resp: 1406260

Ion	Ratio	Lower	Upper
97	100		
83	89.6	66.8	100.2
85	58.4	44.9	67.3
99	64.5	48.0	72.0

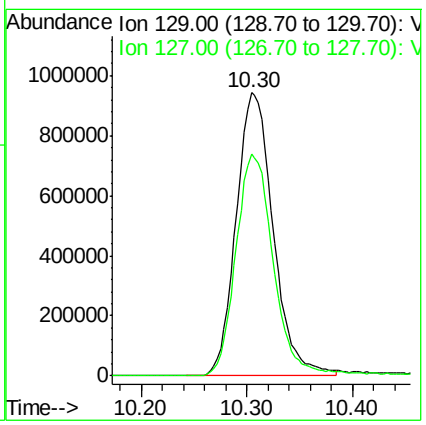


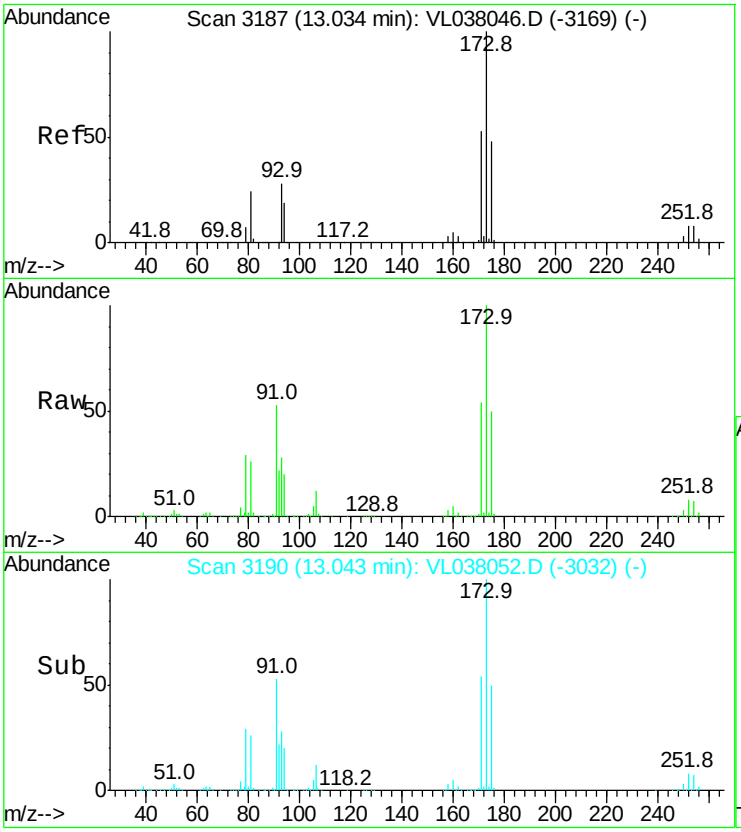


#48
Dibromochloromethane
Concen: 13.930 ppbv
RT: 10.30 min Scan# 2338
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion:129 Resp: 2306952

Ion	Ratio	Lower	Upper
129	100		
127	81.2	39.4	118.1



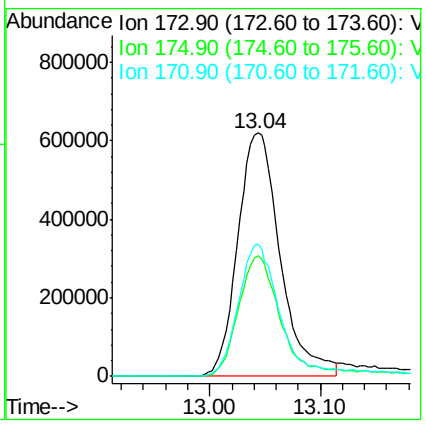


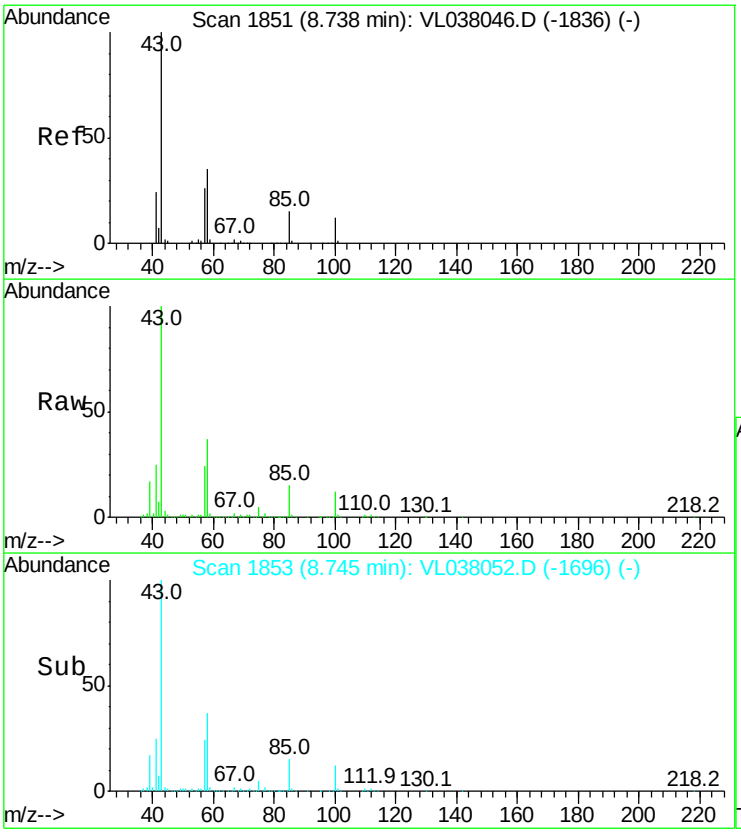
#49
Bromoform
Concen: 12.976 ppbv
RT: 13.04
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:173 Resp: 1658213

Ion	Ratio	Lower	Upper
173	100		
175	52.9	42.5	63.7
171	57.3	44.0	66.0

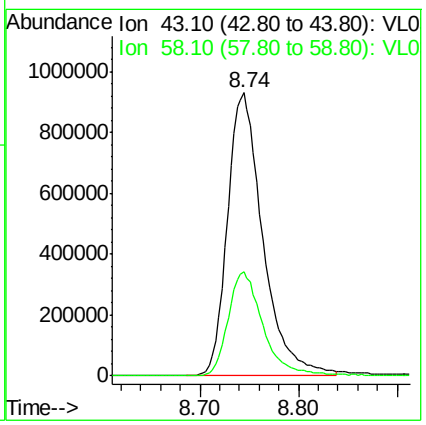


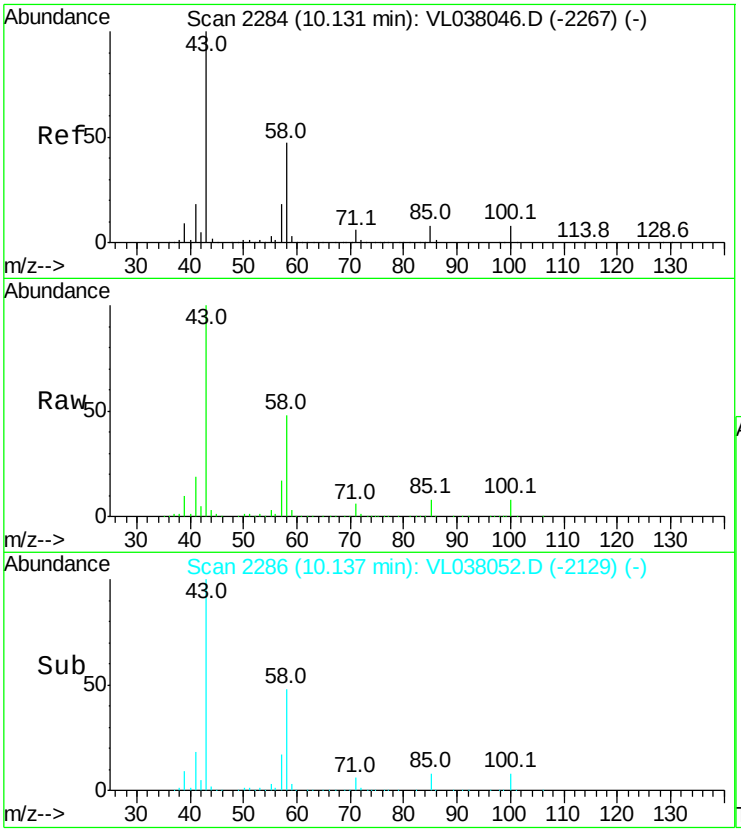


#50
4-Methyl-2-Pentanone
Concen: 14.302 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 43 Resp: 2319925

Ion	Ratio	Lower	Upper
43	100		
58	36.5	29.4	44.2



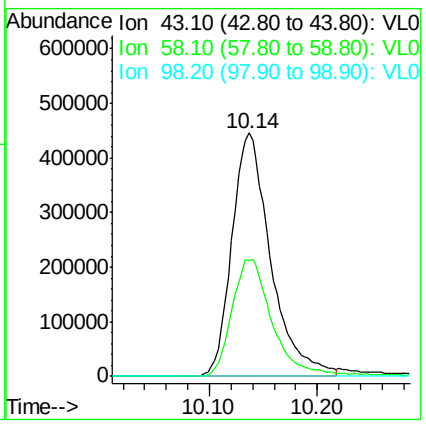


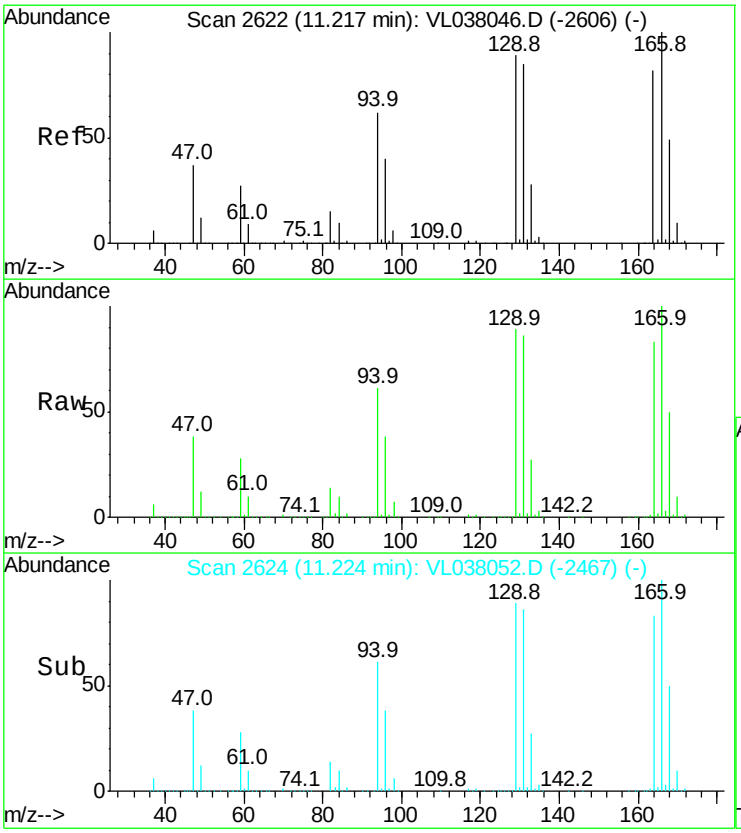
#51
2-Hexanone
Concen: 14.634 ppbv
RT: 10.14
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 43 Resp: 1108411

Ion	Ratio	Lower	Upper
43	100		
58	51.1	41.1	61.7
98	0.2	0.1	0.1#

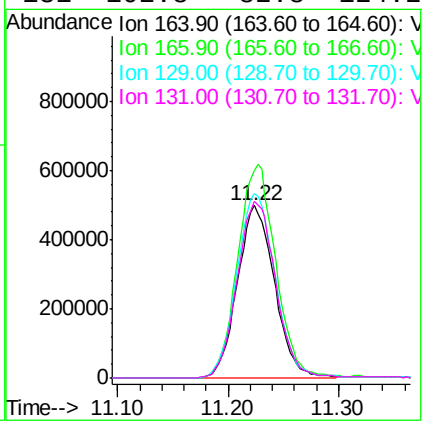


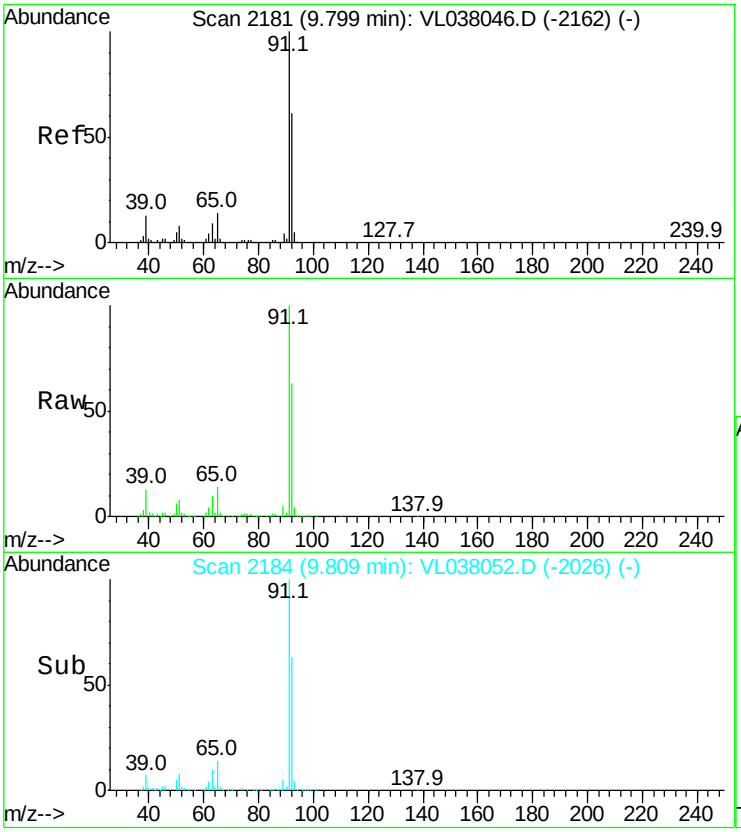


#52
Tetrachloroethene
Concen: 11.894 ppbv
RT: 11.22 min Scan# 2624
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion:164 Resp: 1164858

Ion	Ratio	Lower	Upper
164	100		
166	120.0	97.2	145.8
129	106.8	86.9	130.3
131	102.8	82.8	124.2



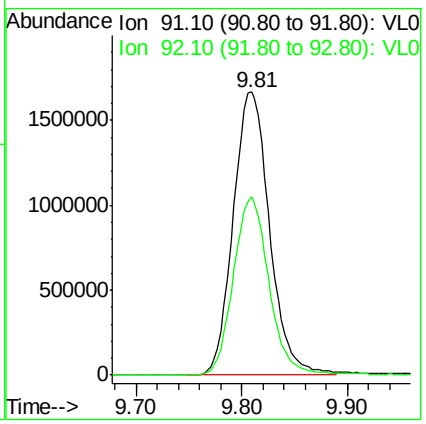


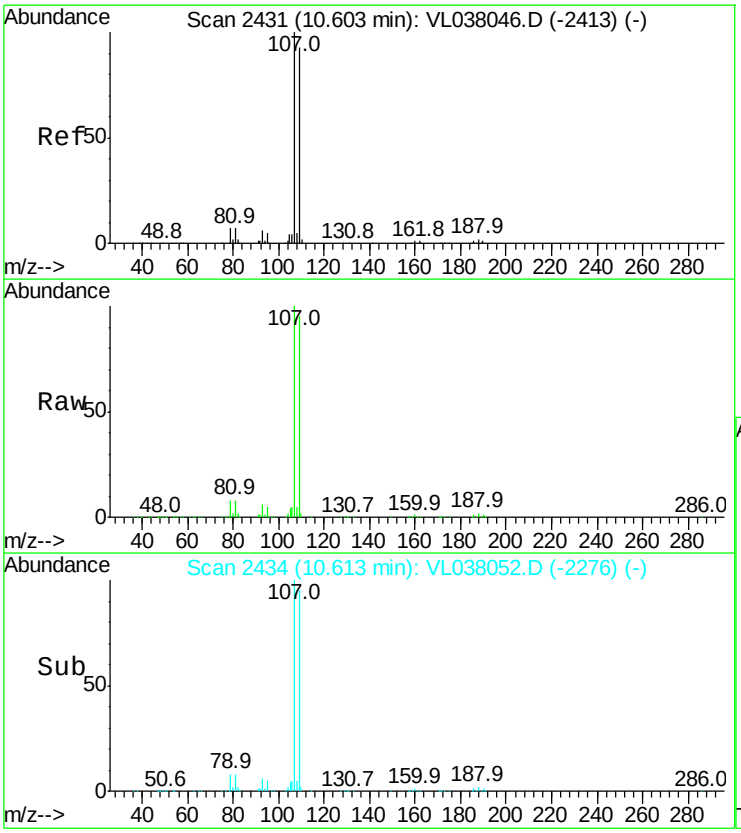
#53
Toluene
Concen: 13.171 ppbv
RT: 9.81
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 3995826

Ion	Ratio	Lower	Upper
91	100		
92	62.4	49.7	74.5

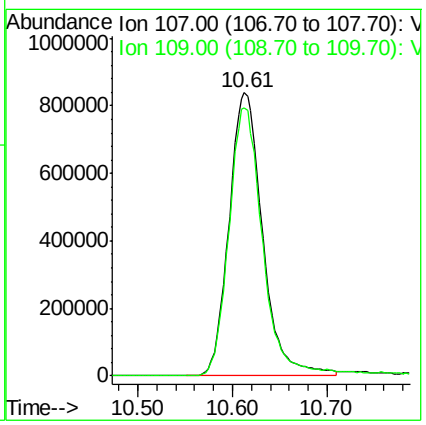


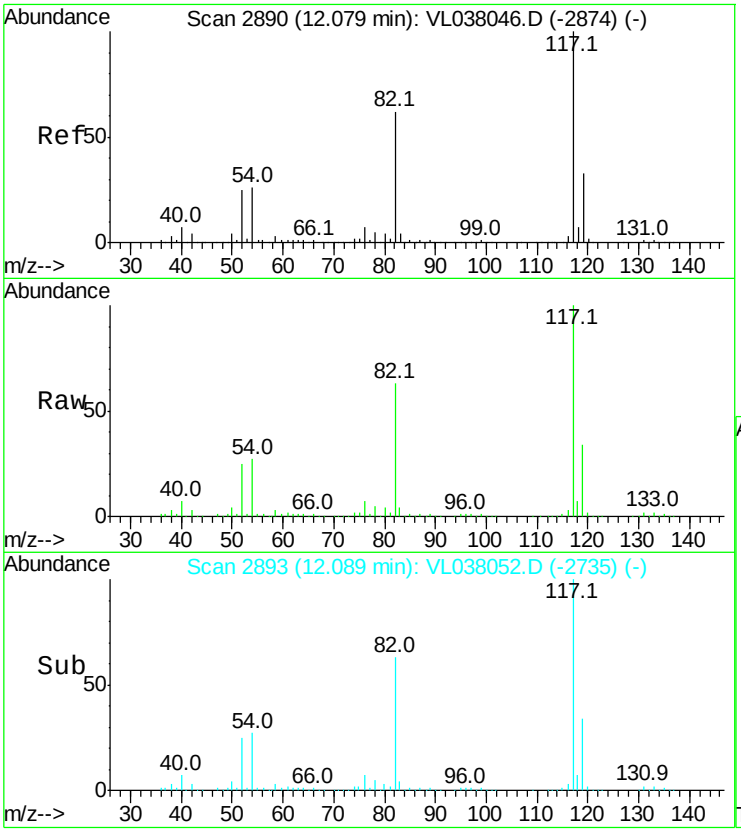


#54
1,2-Dibromoethane
Concen: 14.506 ppbv
RT: 10.61 min Scan# 2434
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion:107 Resp: 2070204

Ion	Ratio	Lower	Upper
107	100		
109	94.9	74.6	111.8



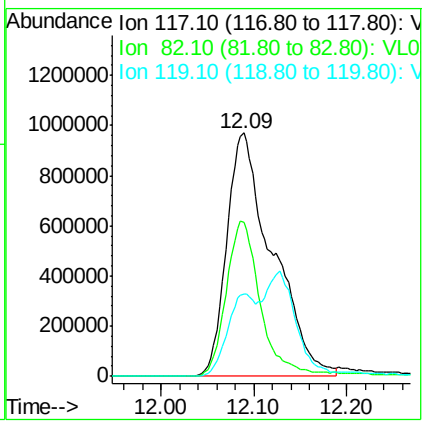


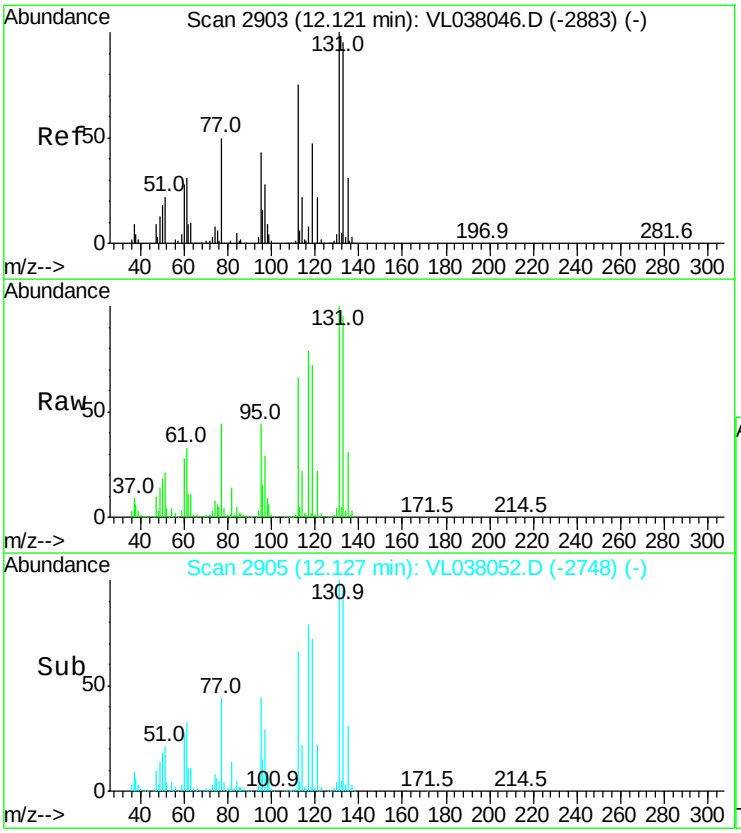
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:117 Resp: 3330502

Ion	Ratio	Lower	Upper
117	100		
82	49.8	52.8	79.2#
119	54.1	26.8	40.2#

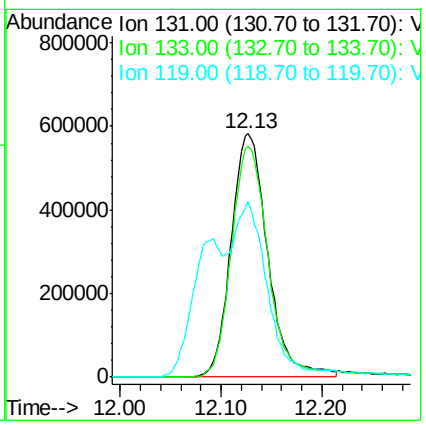


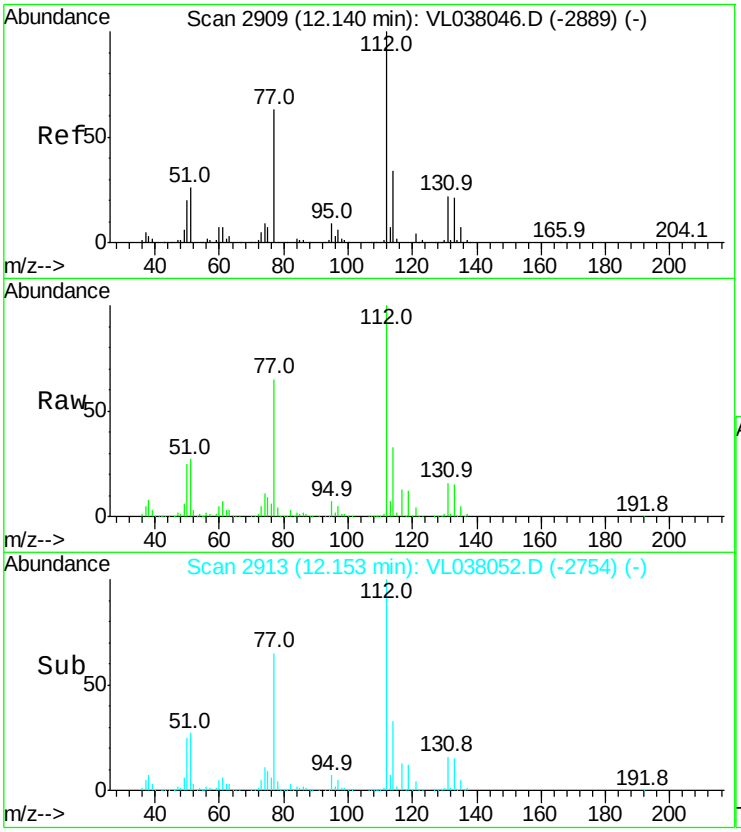


#56
1,1,1,2-Tetrachloroethane
Concen: 10.096 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion:131 Resp: 1468213

Ion	Ratio	Lower	Upper
131	100		
133	99.4	78.8	118.2
119	77.5	56.3	84.5



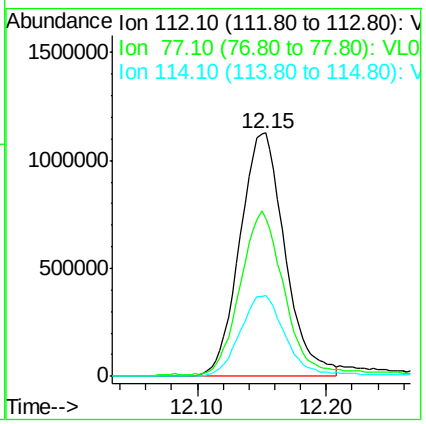


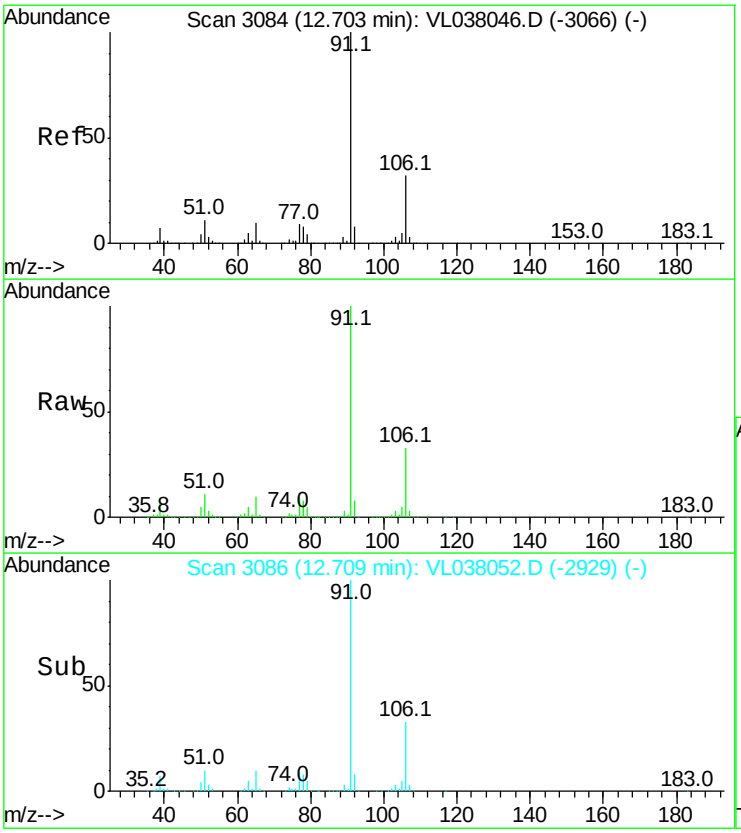
#57
Chlorobenzene
Concen: 10.034 ppbv
RT: 12.15
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:112 Resp: 2740215

Ion	Ratio	Lower	Upper
112	100		
77	63.9	50.3	75.5
114	33.0	30.7	37.5

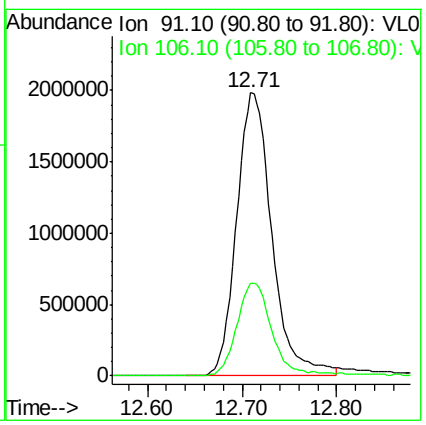


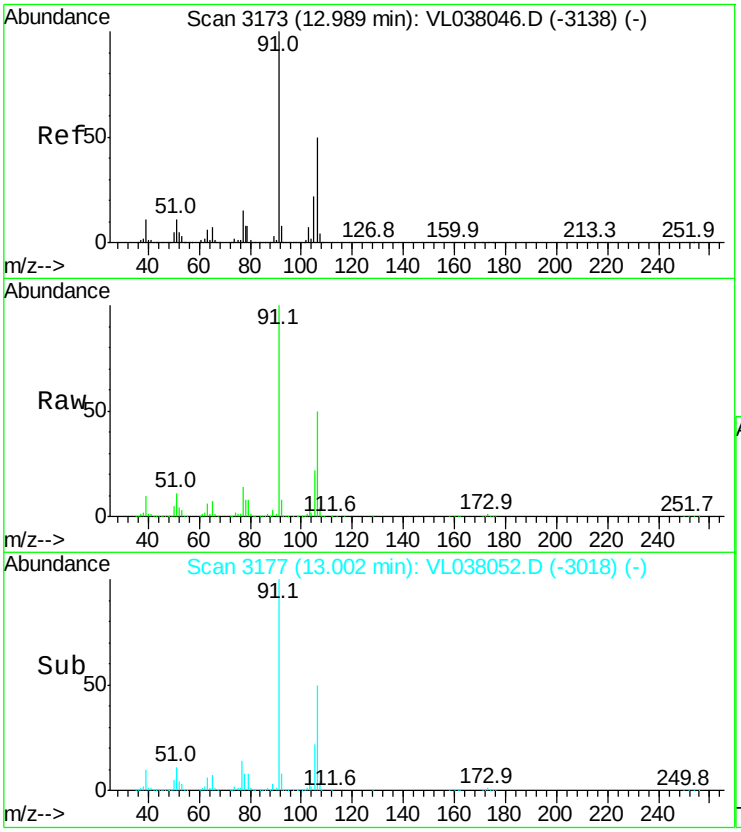


#58
Ethyl Benzene
Concen: 10.152 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 91 Resp: 5135495

Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.8	38.6



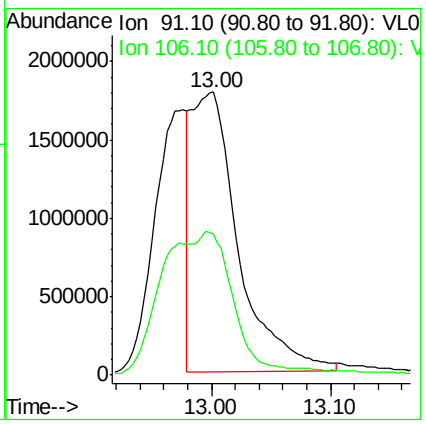


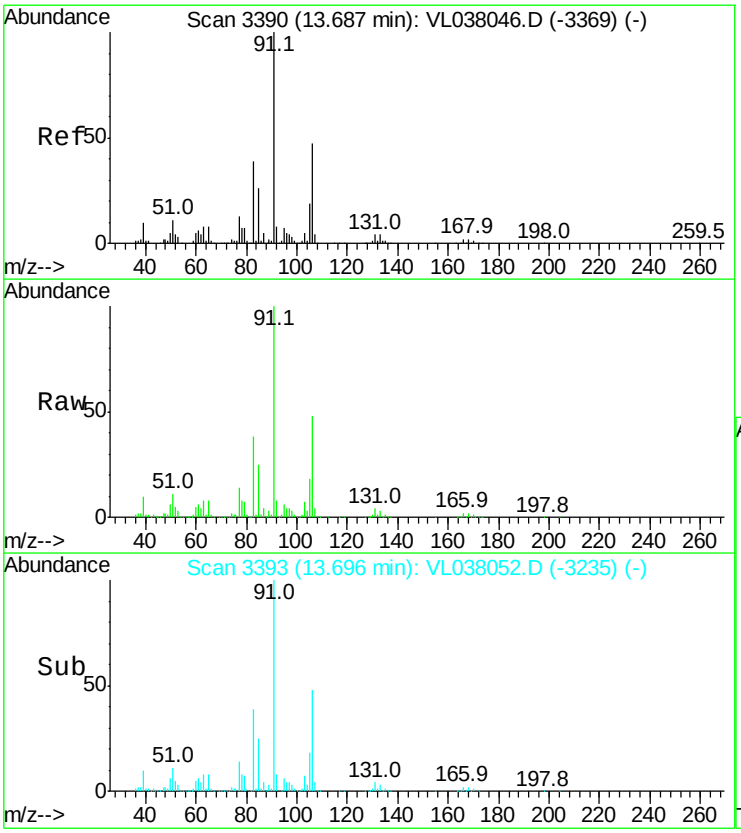
#59
m/p-Xylene
Concen: 11.587 ppbv
RT: 13.00
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 4870633

Ion	Ratio	Lower	Upper
91	100		
106	81.4	38.1	57.1#

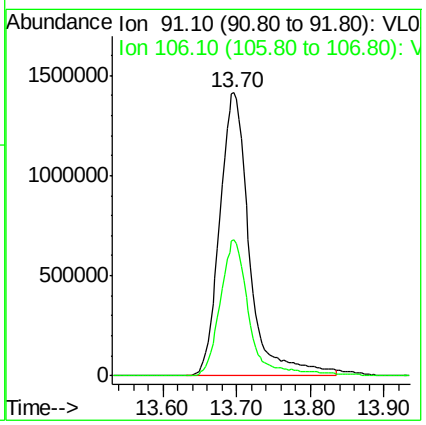


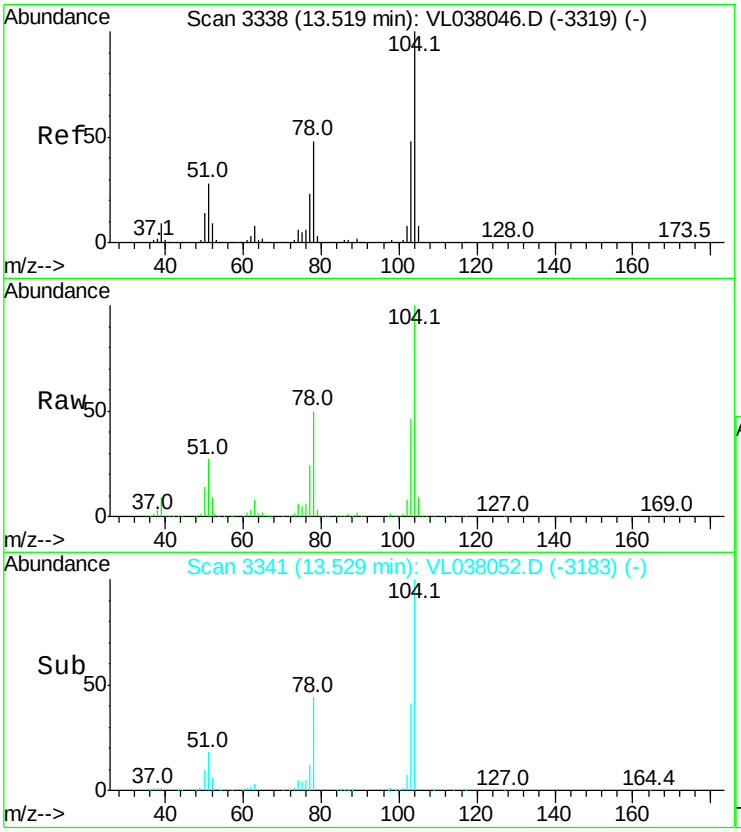


#60
o-Xylene
Concen: 10.135 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 91 Resp: 3954302

Ion	Ratio	Lower	Upper
91	100		
106	47.2	24.2	72.6



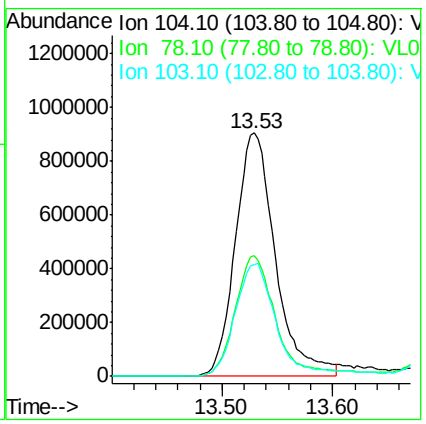


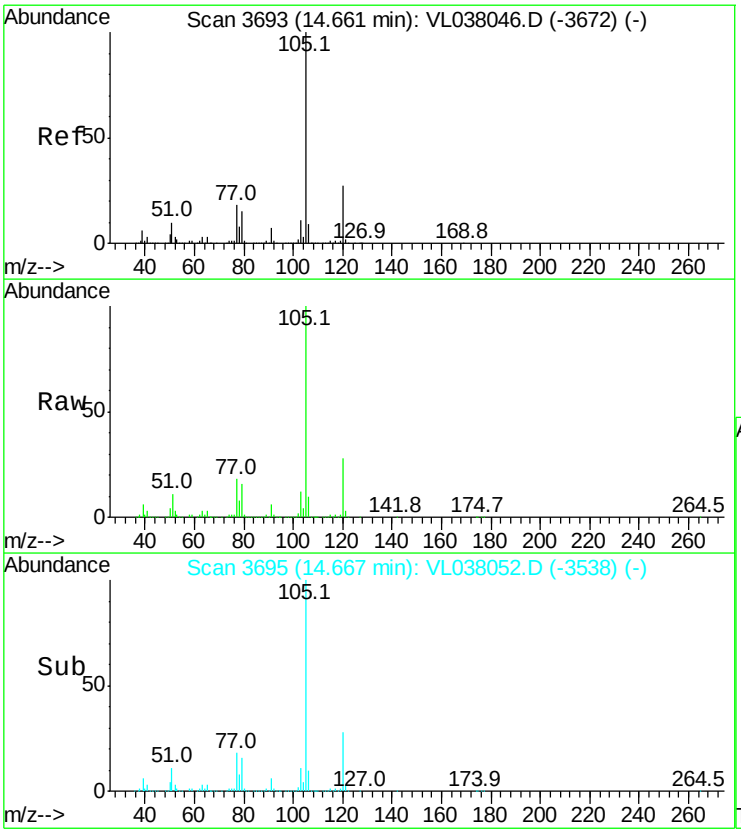
#61
Styrene
Concen: 10.501 ppbv
RT: 13.53
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:104 Resp: 2284627

Ion	Ratio	Lower	Upper
104	100		
78	51.0	39.8	59.6
103	48.4	38.2	57.2

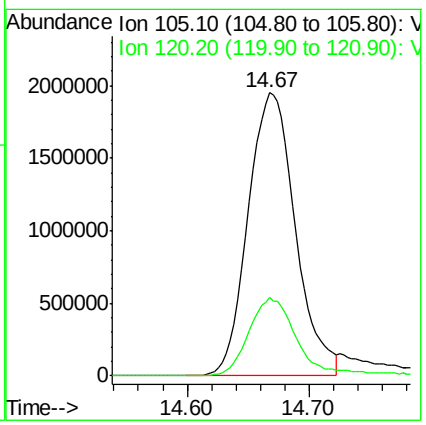


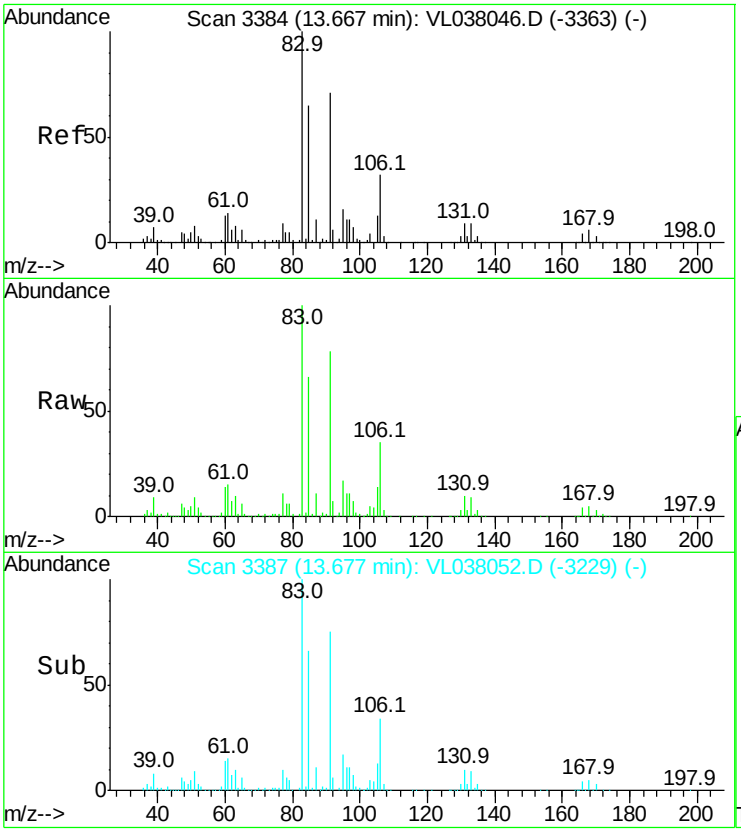


#62
Isopropylbenzene
Concen: 9.290 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion:105 Resp: 5240738

Ion	Ratio	Lower	Upper
105	100		
120	28.7	21.8	32.6



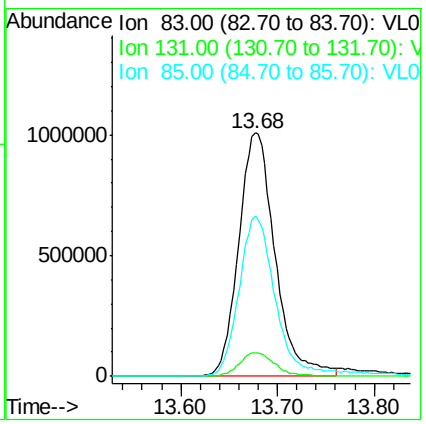


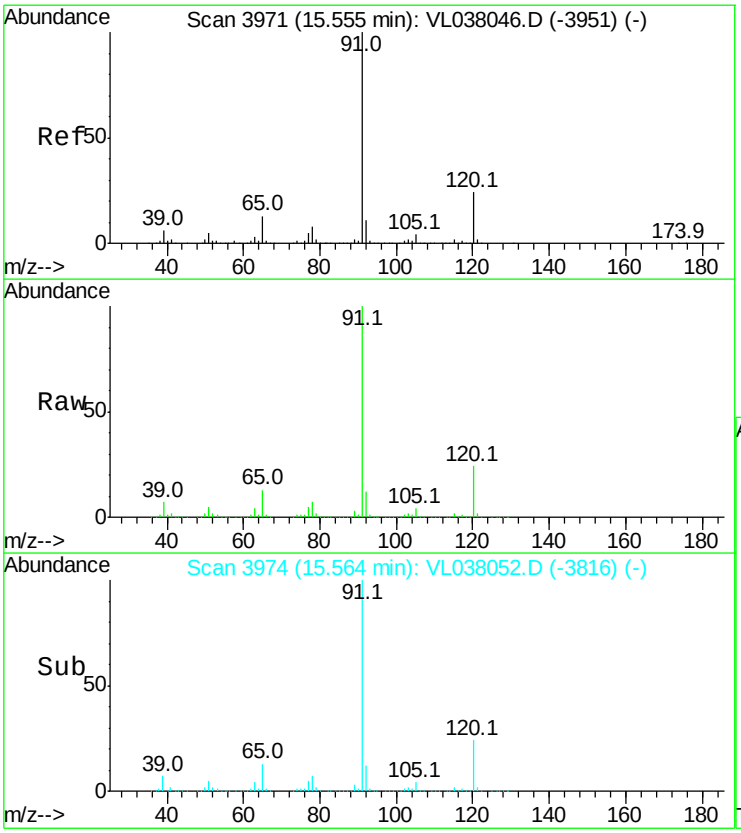
#63
1,1,2,2-Tetrachloroethane
Concen: 9.039 ppbv
RT: 13.68
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 83 Resp: 2636767

Ion	Ratio	Lower	Upper
83	100		
131	9.9	4.9	14.7
85	67.8	33.4	100.1

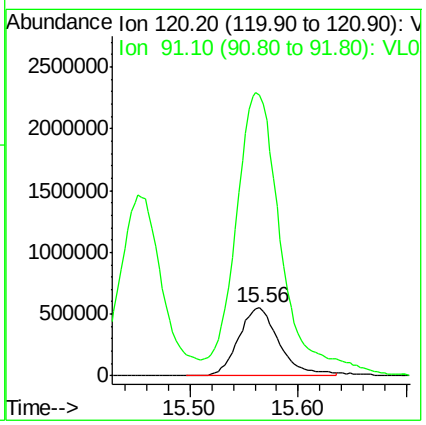


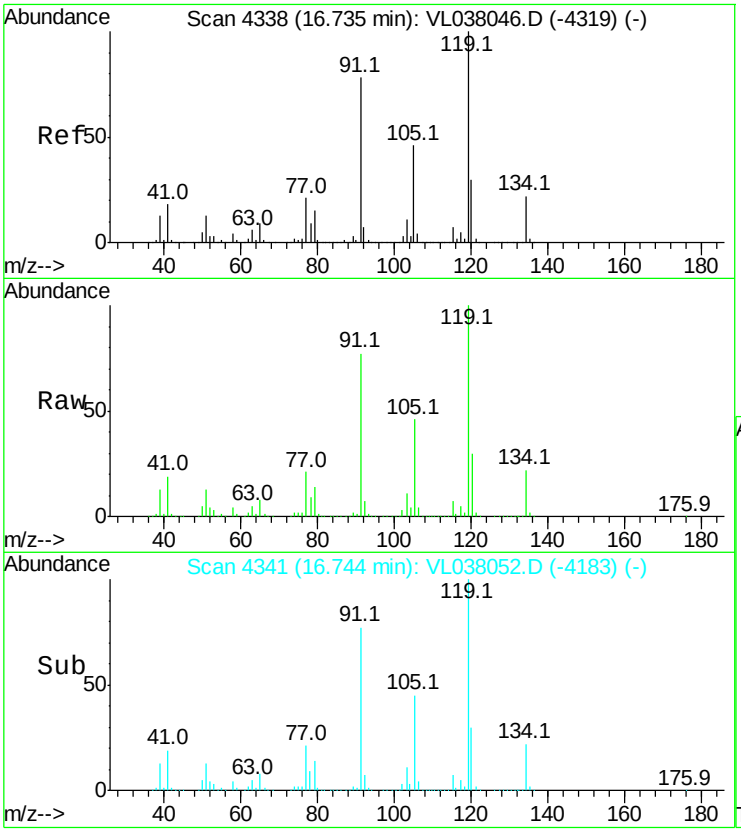


#64
n-propylbenzene
Concen: 10.049 ppbv
RT: 15.56 min Scan# 3974
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion:120 Resp: 1445241

Ion	Ratio	Lower	Upper
120	100		
91	466.7	371.7	557.5



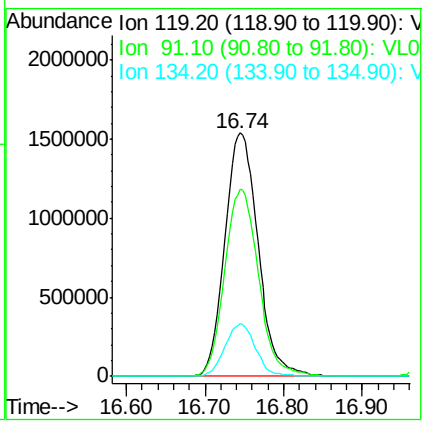


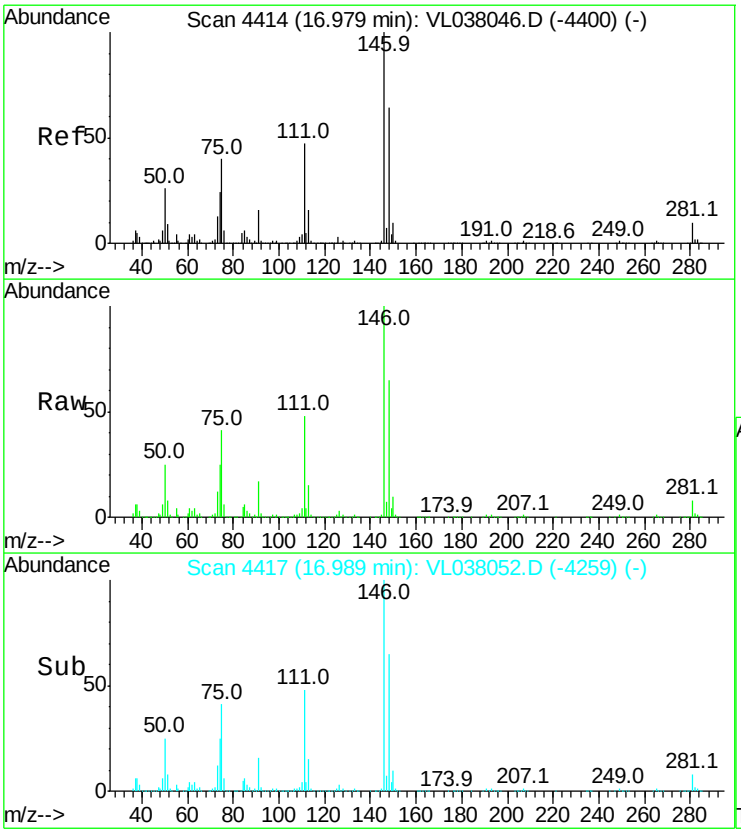
#65
tert-Butylbenzene
Concen: 9.105 ppbv
RT: 16.74
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 4506897

Ion	Ratio	Lower	Upper
119	100		
91	78.4	63.2	94.8
134	20.0	16.1	24.1

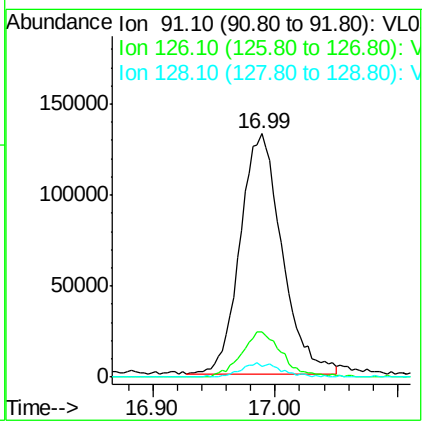


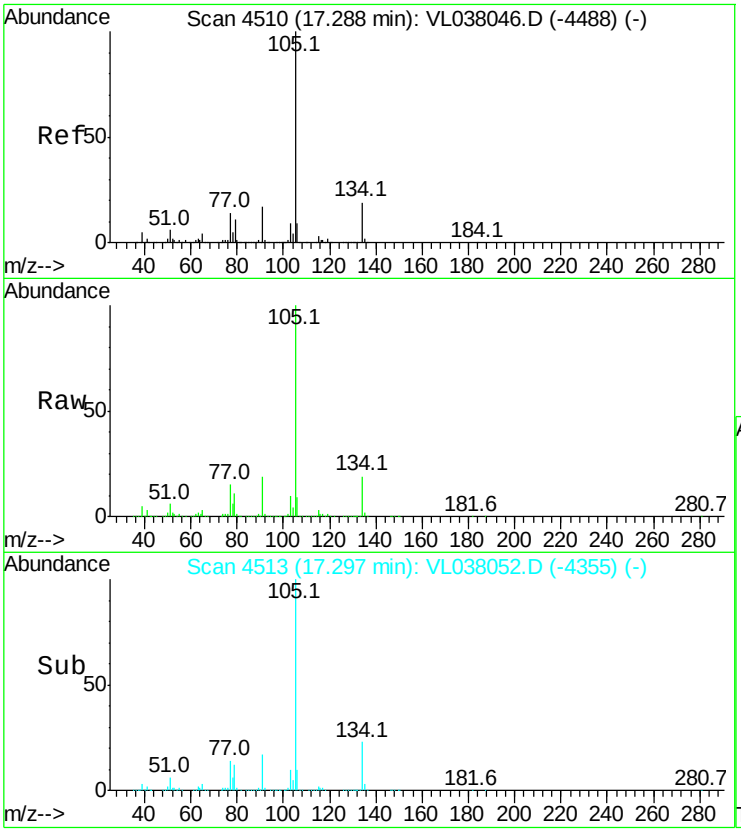


#66
Benzyl Chloride
Concen: 9.015 ppbv
RT: 16.99 min Scan# 4417
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 91 Resp: 311623

Ion	Ratio	Lower	Upper
91	100		
126	18.7	15.5	23.3
128	6.0	5.6	8.4



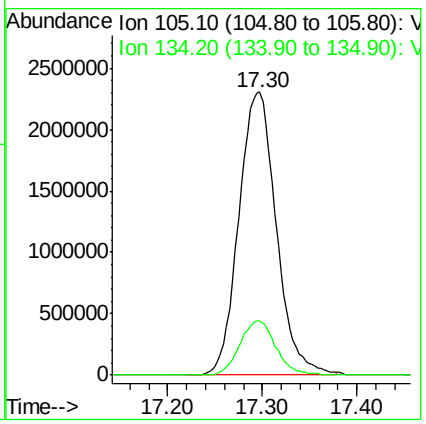


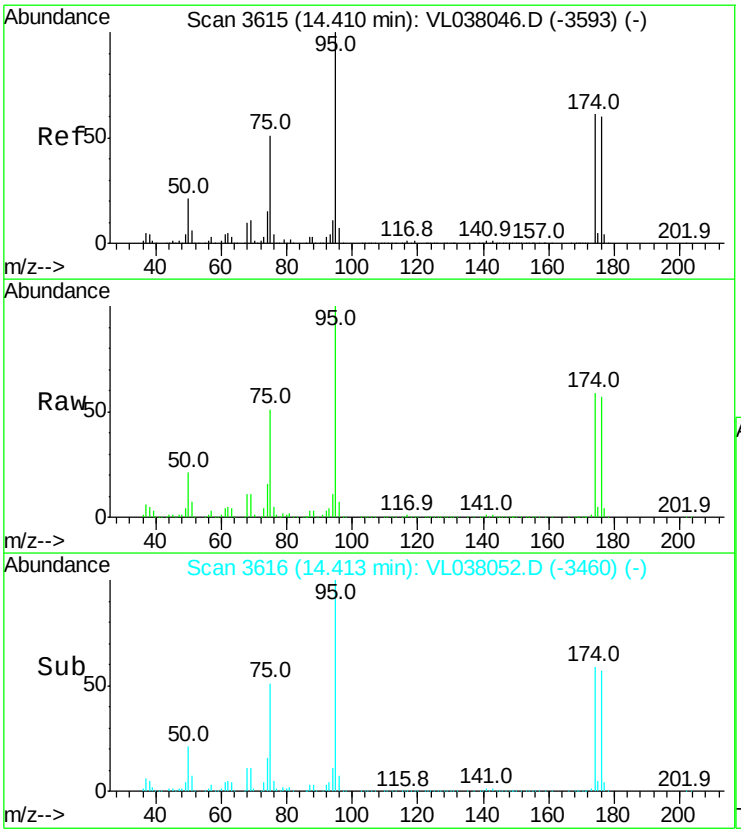
#67
sec-Butylbenzene
Concen: 9.276 ppbv
RT: 17.30
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 6343295

Ion	Ratio	Lower	Upper
105	100		
134	18.7	14.7	22.1

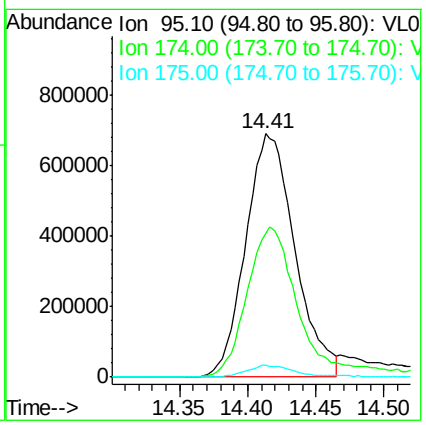


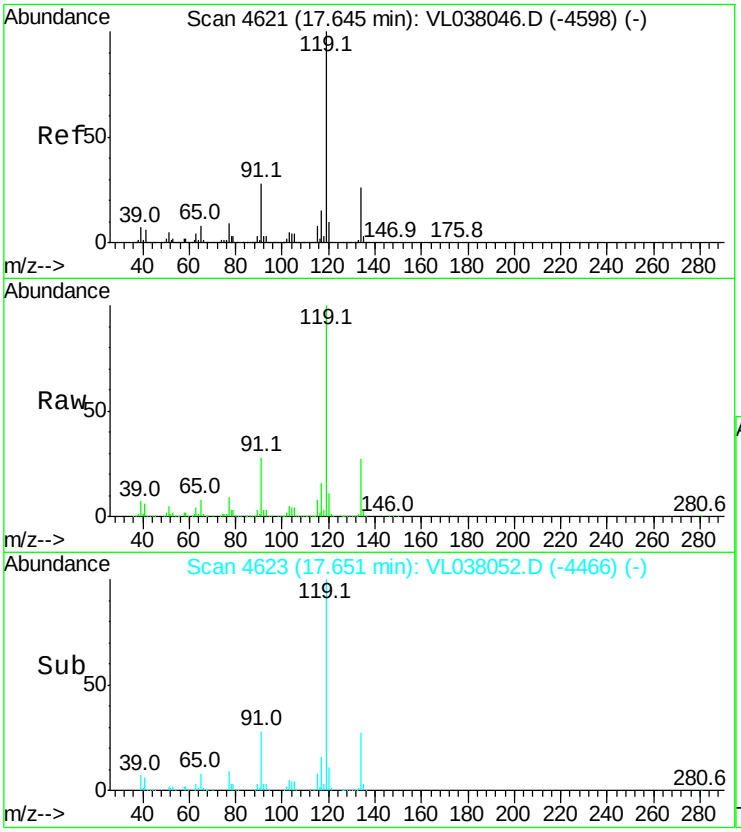


#68
1-Bromo-4-Fluorobenzene
Concen: 7.211 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. 0.00 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 95 Resp: 1735155

Ion	Ratio	Lower	Upper
95	100		
174	67.8	53.1	79.7
175	5.2	4.0	6.0



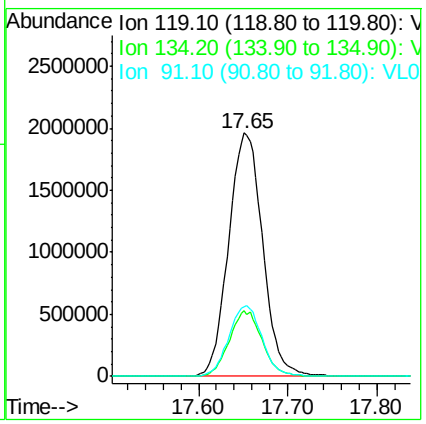


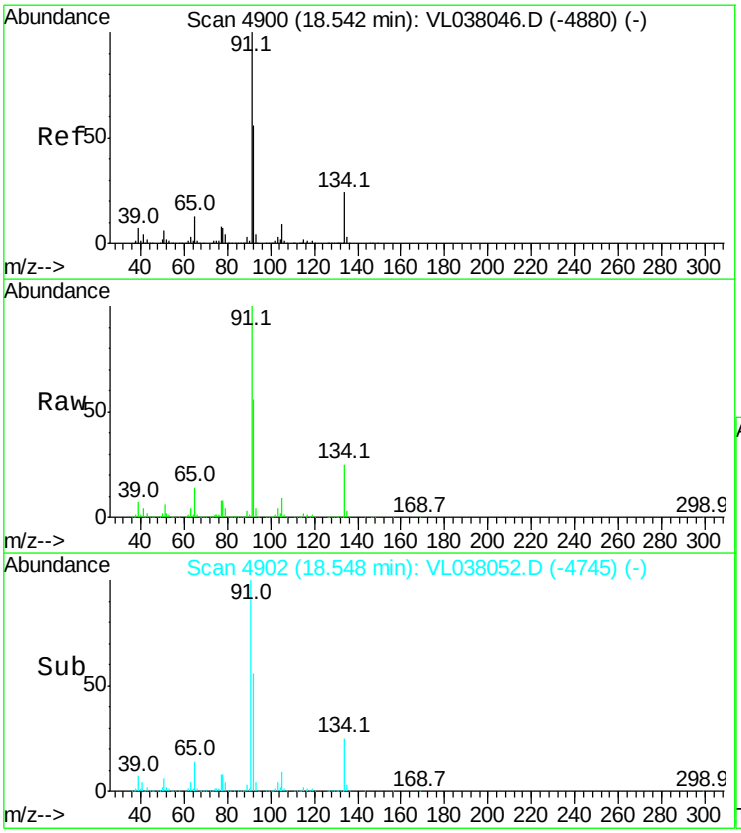
#69
p-Isopropyltoluene
Concen: 9.403 ppbv
RT: 17.65
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:119 Resp: 5183372

Ion	Ratio	Lower	Upper
119	100		
134	26.1	20.6	30.8
91	28.3	22.2	33.4

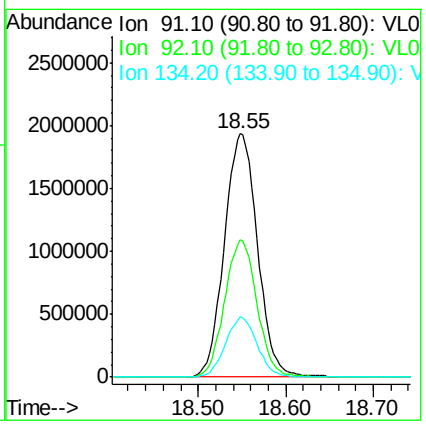


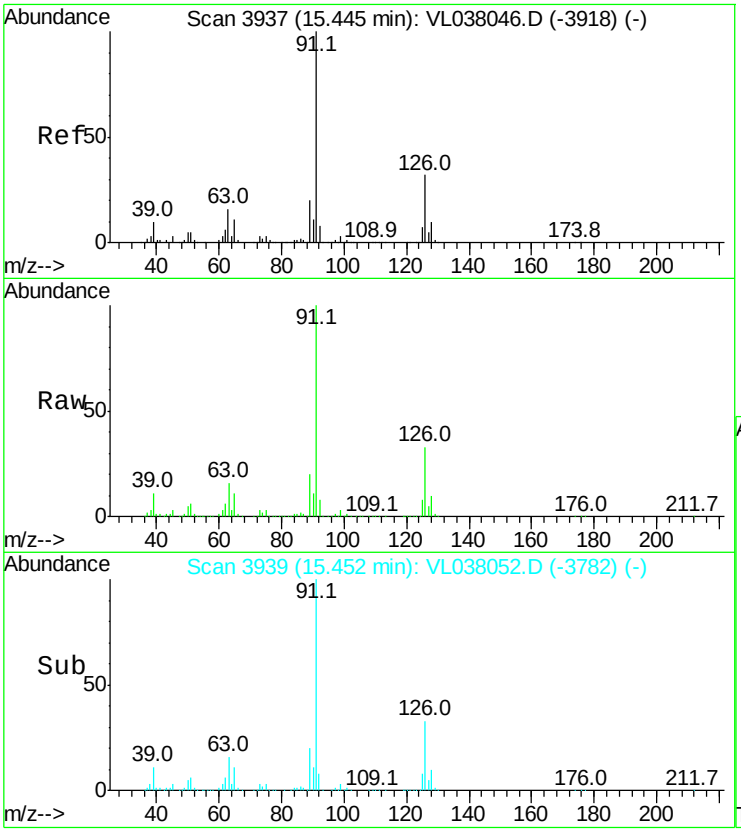


#70
n-Butylbenzene
Concen: 10.038 ppbv
RT: 18.55 min Scan# 4902
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion: 91 Resp: 5072907

Ion	Ratio	Lower	Upper
91	100		
92	55.4	44.1	66.1
134	23.8	18.9	28.3



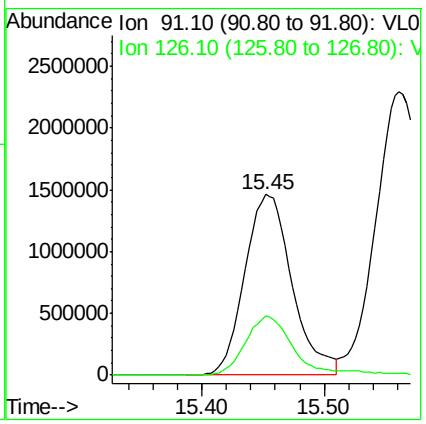


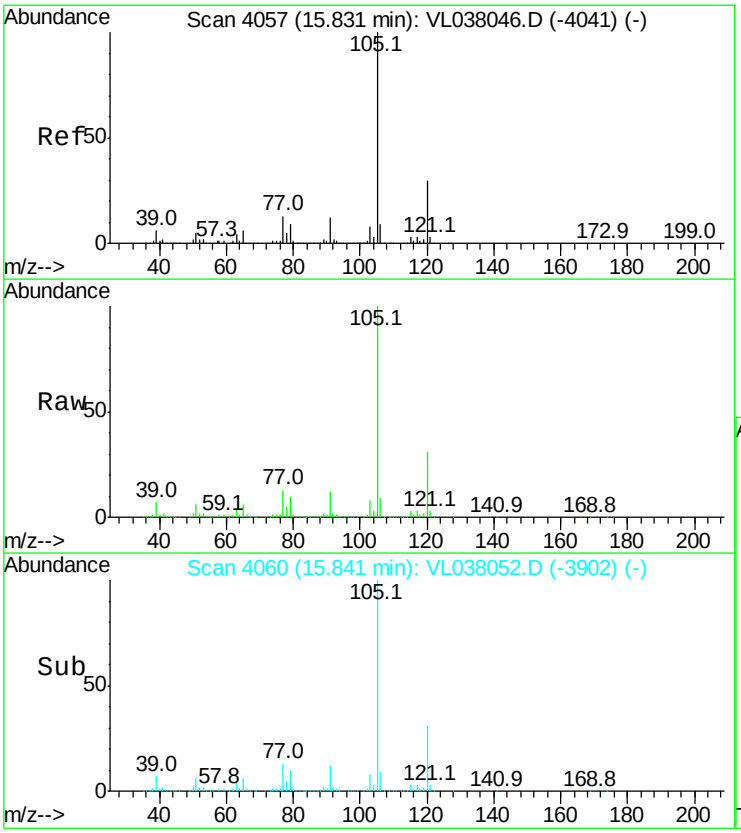
#71
2-Chlorotoluene
Concen: 9.718 ppbv
RT: 15.45
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion: 91 Resp: 3923858

Ion	Ratio	Lower	Upper
91	100		
126	33.8	13.1	52.3

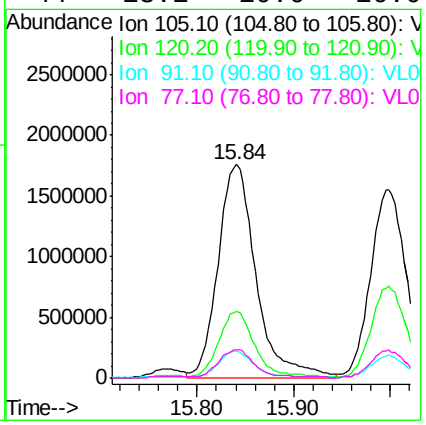


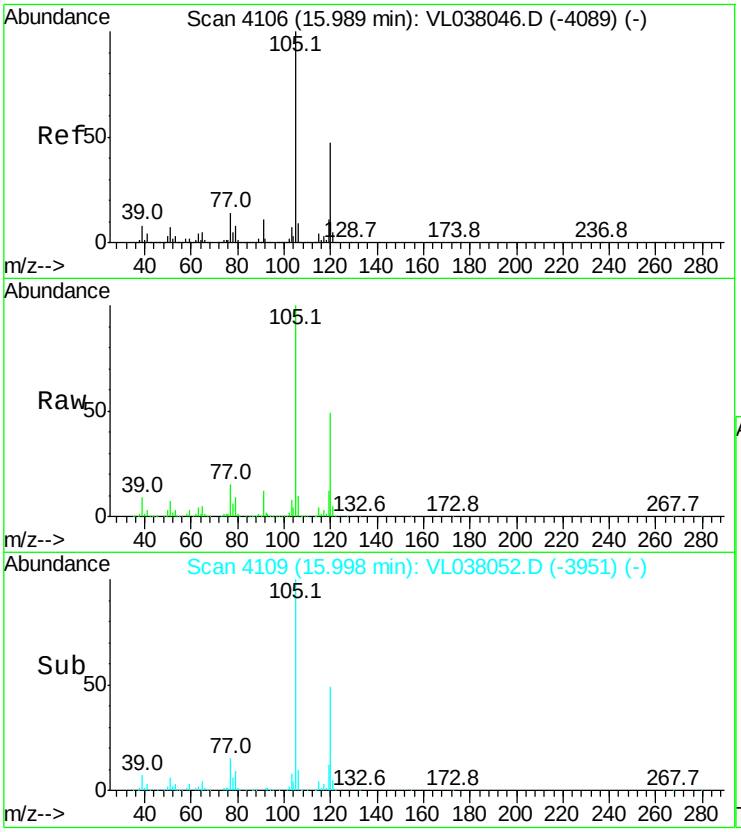


#72
4-Ethyltoluene
Concen: 10.336 ppbv
RT: 15.84 min Scan# 4060
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion:105 Resp: 4808261

Ion	Ratio	Lower	Upper
105	100		
120	30.3	25.1	37.7
91	11.5	9.7	14.5
77	13.1	10.6	16.0



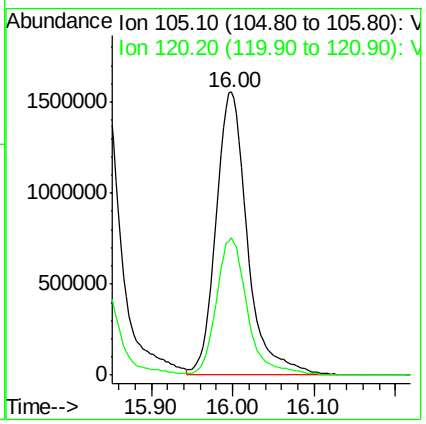


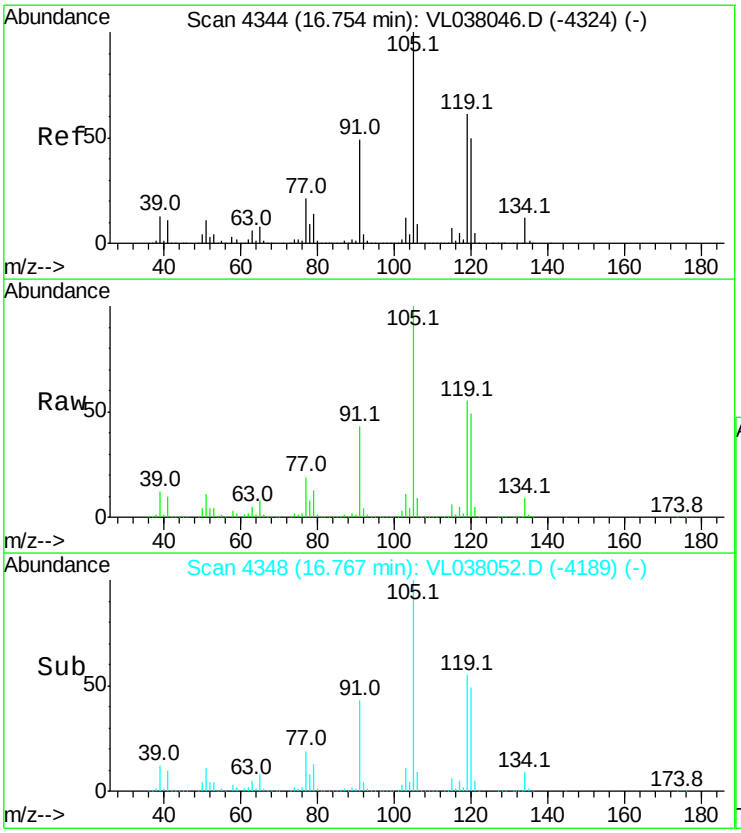
#73
1,3,5-Trimethylbenzene
Concen: 9.899 ppbv
RT: 16.00
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:105 Resp: 4212248

Ion	Ratio	Lower	Upper
105	100		
120	48.6	37.8	56.6

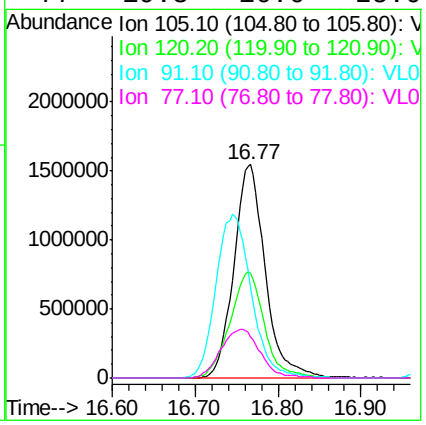


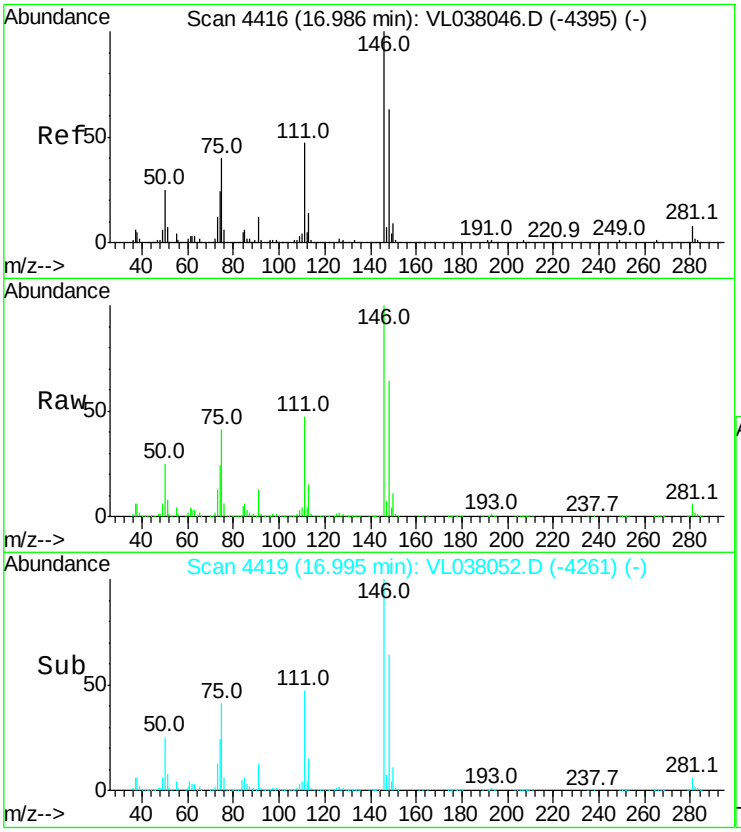


#74
1,2,4-Trimethylbenzene
Concen: 9.489 ppbv
RT: 16.77 min Scan# 4348
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion:105 Resp: 4065194

Ion	Ratio	Lower	Upper
105	100		
120	48.8	40.1	60.1
91	42.6	39.8	59.8
77	19.3	16.6	25.0



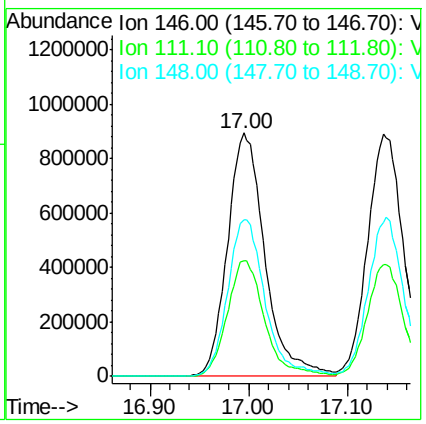


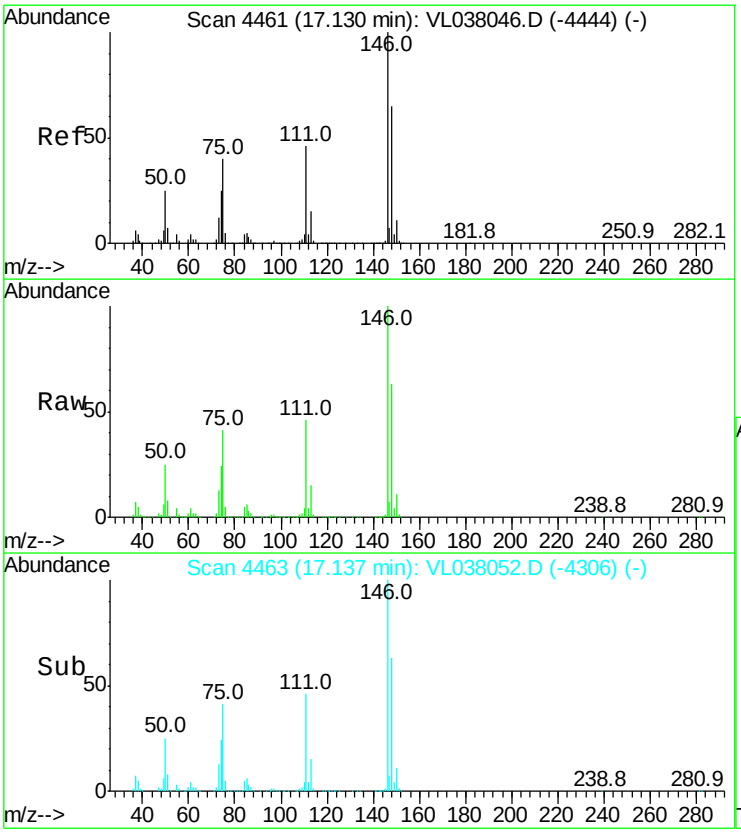
#75
1,3-Dichlorobenzene
Concen: 9.982 ppbv
RT: 17.00
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 2360259

Ion	Ratio	Lower	Upper
146	100		
111	47.6	23.5	70.6
148	64.4	32.1	96.3

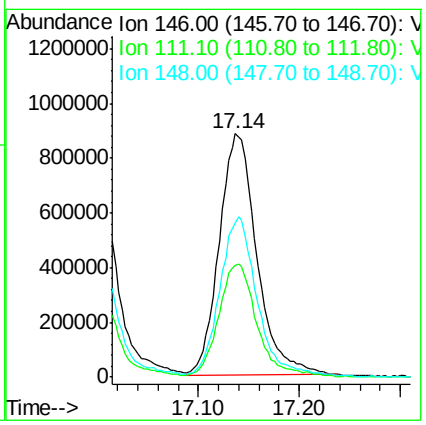


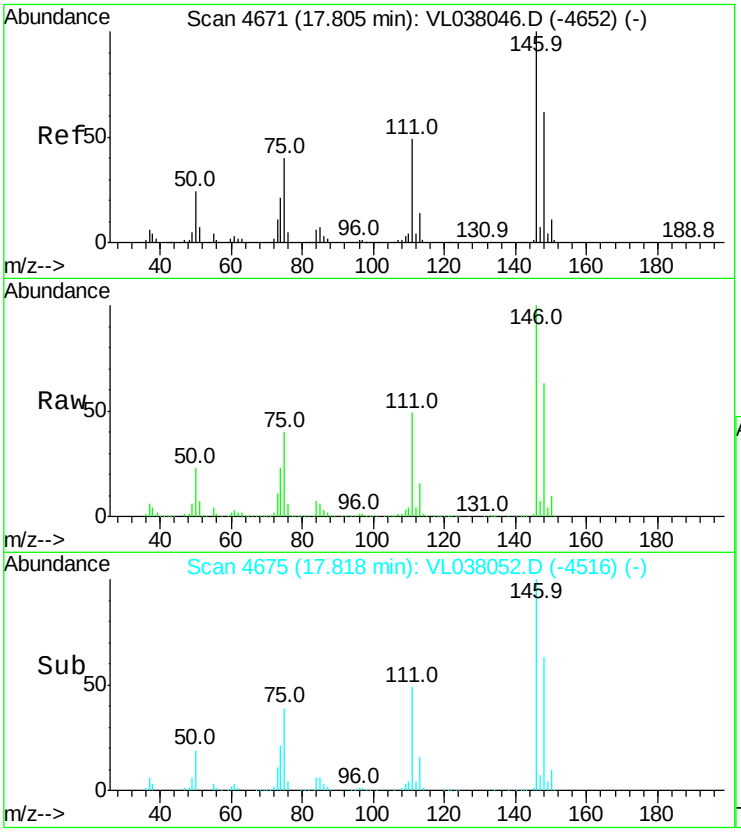


#76
1,4-Dichlorobenzene
Concen: 9.535 ppbv
RT: 17.14 min Scan# 4463
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion:146 Resp: 2309672

Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.8	71.5
148	65.6	33.2	99.6



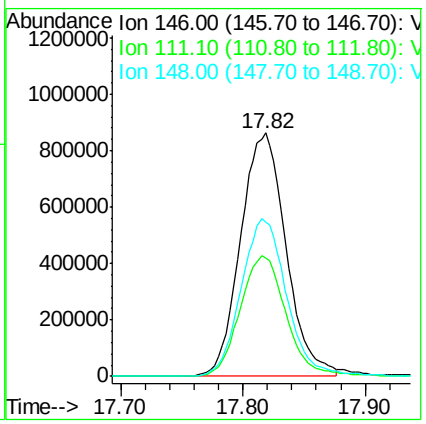


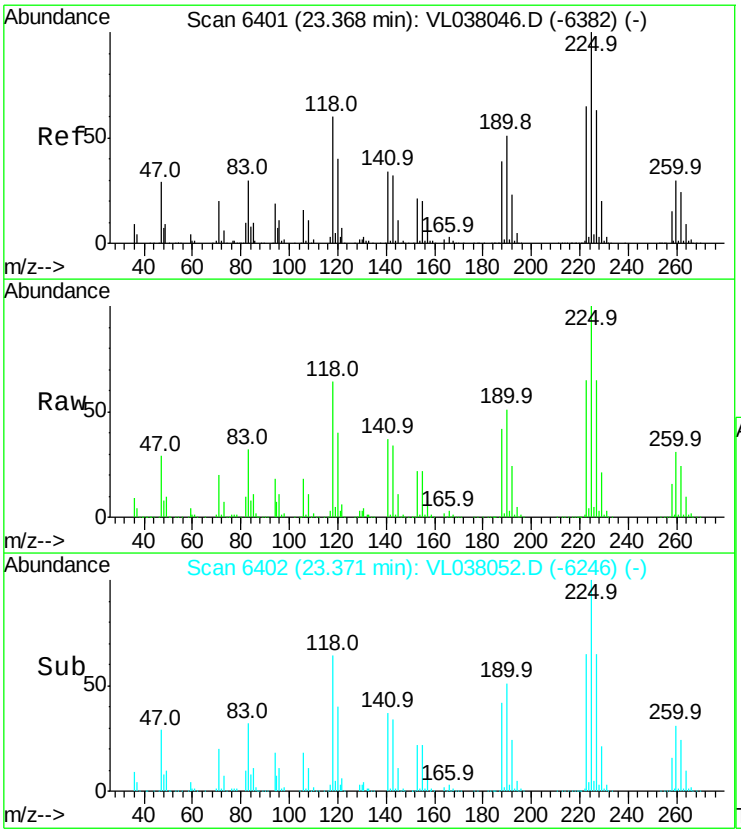
#77
1,2-Dichlorobenzene
Concen: 9.776 ppbv
RT: 17.82
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:146 Resp: 2216639

Ion	Ratio	Lower	Upper
146	100		
111	50.4	24.8	74.4
148	65.4	32.3	96.9

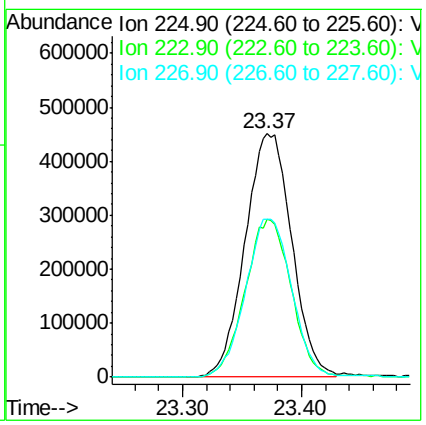


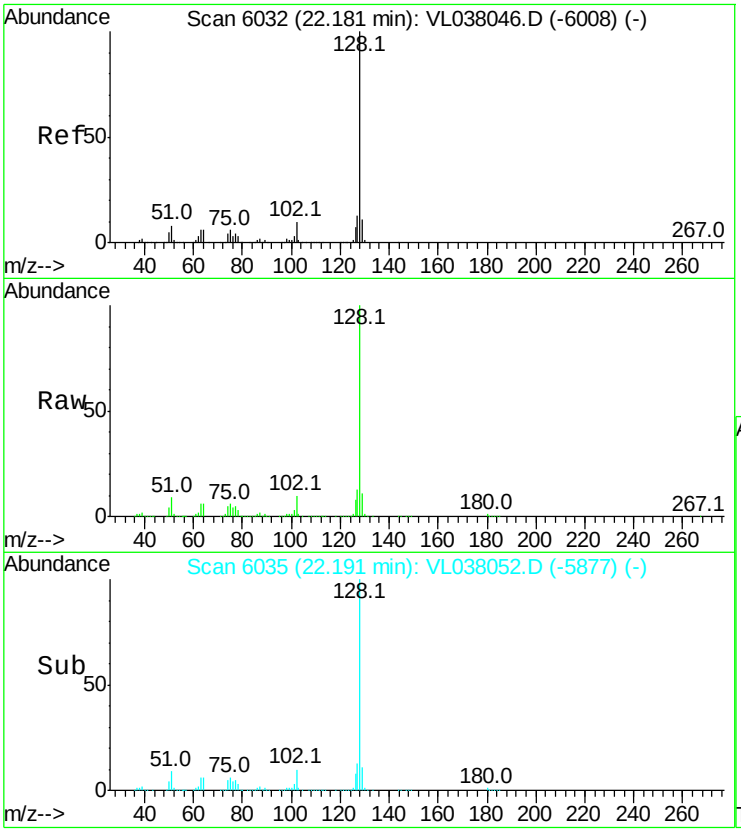


#78
Hexachloro-1,3-Butadiene
Concen: 8.311 ppbv
RT: 23.37 min Scan# 6402
Delta R.T. 0.00 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion:225 Resp: 1222357

Ion	Ratio	Lower	Upper
225	100		
223	64.4	52.3	78.5
227	64.9	52.4	78.6



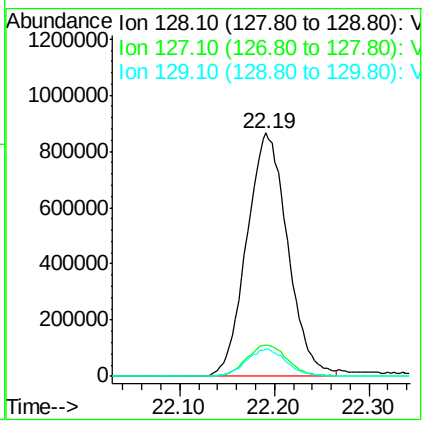


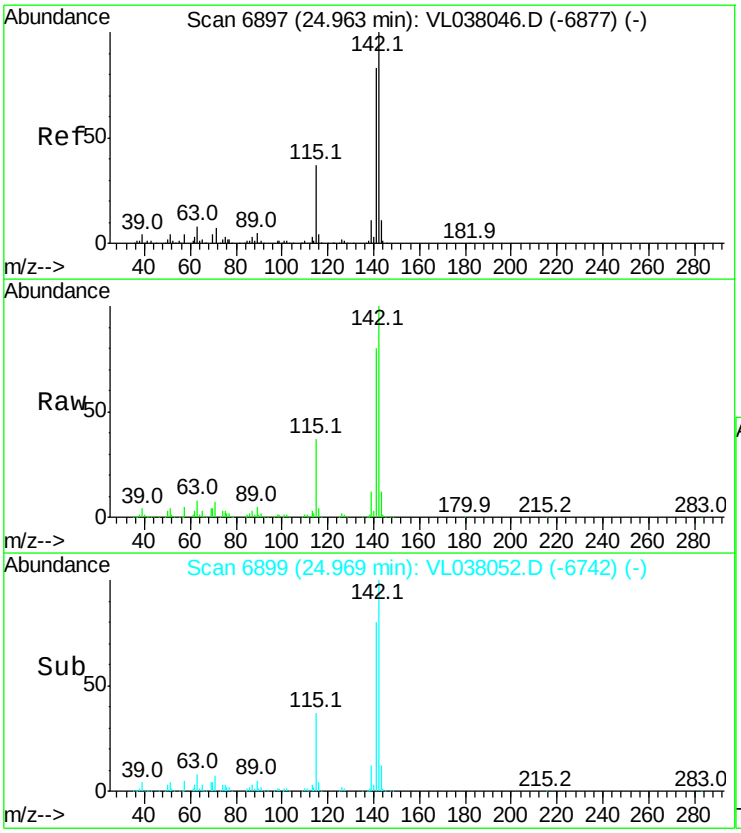
#79
Naphthalene
Concen: 11.082 ppbv
RT: 22.19
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:128 Resp: 2604573

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.0	8.9	13.3

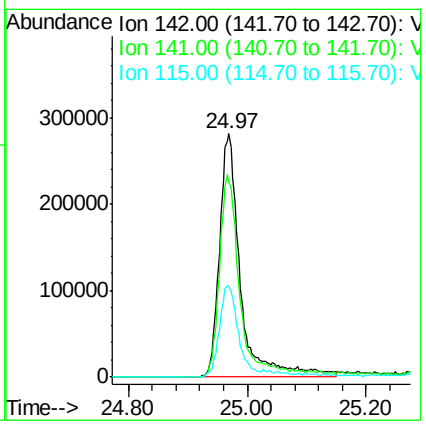


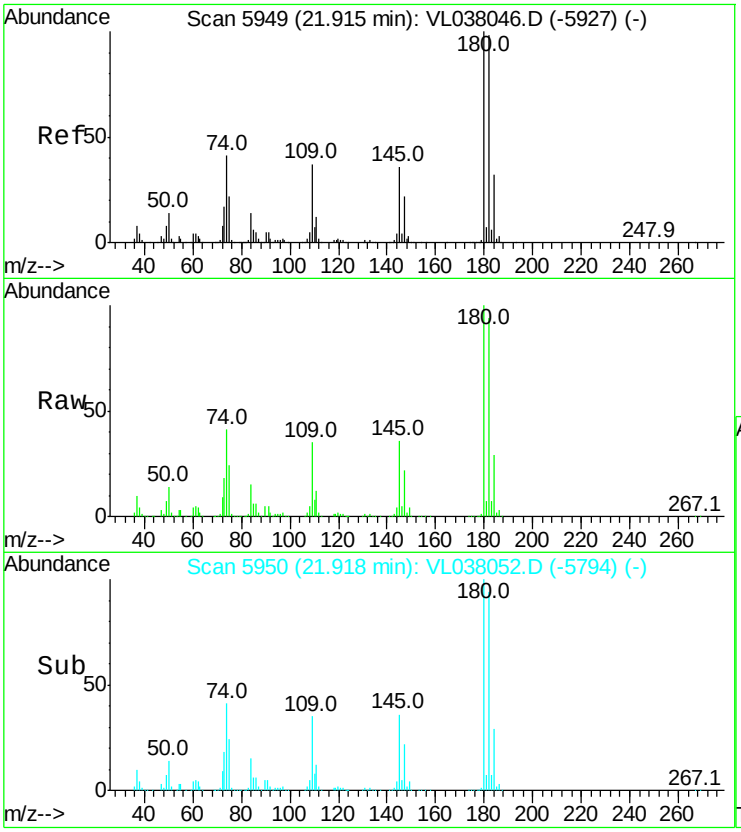


#80
Naphthalene,2-methyl-
Concen: 15.512 ppbv
RT: 24.97 min Scan# 6899
Delta R.T. 0.01 min
Lab File: VL038052.D
Acq: 18 Nov 2021 12:35

Tgt Ion:142 Resp: 688359

Ion	Ratio	Lower	Upper
142	100		
141	80.2	67.3	100.9
115	36.8	28.9	43.3





#81
1,2,4-Trichlorobenzene
Concen: 10.442 ppbv
RT: 21.92
Delta R.T
Lab File:
Acq: 18 Nov 2021 12:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC015

Tgt Ion:180 Resp: 1387822

Ion	Ratio	Lower	Upper
180	100		
182	97.7	77.4	116.2
184	31.0	25.0	37.4