Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL082320\
Data File : VL035491.D
Acq On : 23 Aug 2020 8:13
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Aug 23 10:33:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 17 19:28:30 2020
QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	1008201	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	4606236	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.10	117	4603041m	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	3361729	10.43	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	1609035	8.611	ppbv		100
3) Chlorodifluoromethane	2.98	51	1077890	8.527	ppbv		92
4) Chloromethane	3.13	50	570039	8.656	ppbv		95
5) Vinyl Chloride	3.25	62	685578	8.711	ppbv		95
6) Bromomethane	3.47	94	617315	8.968	ppbv		98
7) Chloroethane	3.55	64	254963	8.793	ppbv		96
8) Dichlorotetrafluoroethane	3.18	85	2012337	8.410	ppbv	#	62
9) Propene	3.00	41	420355	8.273	ppbv		100
10) Heptane	8.13	43	1158205	8.694	ppbv	#	79
11) Trichlorofluoromethane	3.95	101	2463101	8.401	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1870035	8.559	ppbv		84
13) Ethanol	3.60	45	111412	5.985	ppbv		99
14) Bromoethene	3.74	108	861645	8.924	ppbv	#	94
15) Acetone	3.85	43	918638	7.916	ppbv	#	84
16) 1,3-Butadiene	3.32	39	412702	8.770	ppbv	#	65
17) tert-Butyl alcohol	4.29	59	1394227	9.296	ppbv		98
18) 1,1-Dichloroethene	4.29	96	863679	8.953	ppbv	#	60
19) Isopropyl Alcohol	3.97	45	703044	8.790	ppbv	#	98
20) Methylene Chloride	4.34	84	692169	7.393	ppbv	#	63
21) Allyl Chloride	4.41	41	554185	9.398	ppbv	#	82
22) trans-1,2-Dichloroethene	4.88	96	913146	8.869	ppbv	#	64
23) Vinyl Acetate	5.08	43	1471454	8.870	ppbv	#	94
24) 1,1-Dichloroethane	5.01	63	1438799	8.691	ppbv	#	95
25) Ethyl Acetate	5.68	43	1886695	8.355	ppbv	#	93
26) Hexane	5.69	57	1066819	8.372	ppbv	#	75
27) Carbon Disulfide	4.55	76	1805193	9.800	ppbv	#	85
28) Methyl tert-Butyl Ether	5.03	73	2002245	8.601	ppbv		92
29) Chloroform	5.75	83	2238361	8.742	ppbv		99
30) Cyclohexane	7.13	84	1269038	8.976	ppbv	#	61
31) cis-1,2-Dichloroethene	5.55	61	1186334	8.852	ppbv	#	64
32) 1,1,1-Trichloroethane	6.52	97	2267195	9.448	ppbv	#	90
34) 2-Butanone	5.25	43	1313456	8.535	ppbv	#	74
35) Carbon Tetrachloride	7.02	117	2425880	9.902	ppbv		100
36) Benzene	6.90	78	2907650	8.601	ppbv	#	93
37) 1,2-Dichloroethane	6.31	62	1356207	8.778	ppbv	#	90
38) Trichloroethene	7.84	130	1580707	8.406	ppbv		84
39) 1,2-Dichloropropane	7.62	63	961531	8.630	ppbv	#	85
40) 1,4-Dioxane	7.84	88	538732	8.876	ppbv	#	20
41) Tetrahydrofuran	6.05	42	752666	8.866	ppbv	#	60
42) Bromodichloromethane	7.80	83	2390263	9.245	ppbv	#	99
43) Methyl Methacrylate	8.02	69	1196310	9.049	ppbv	#	58

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL082320\
Data File : VL035491.D
Acq On : 23 Aug 2020 8:13
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Aug 23 10:33:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 17 19:28:30 2020
QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3677023	8.329	ppbv	#	93
45) t-1,3-Dichloropropene	9.29	75	1394255	10.238	ppbv		97
46) cis-1,3-Dichloropropene	8.71	75	1643056	9.685	ppbv	#	75
47) 1,1,2-Trichloroethane	9.49	97	1452248	8.726	ppbv		93
48) Dibromochloromethane	10.32	129	2602433	9.322	ppbv		99
49) Bromoform	13.06	173	2526629	9.394	ppbv		99
50) 4-Methyl-2-Pentanone	8.75	43	1940998	8.792	ppbv	#	81
51) 2-Hexanone	10.14	43	1664718	8.946	ppbv	#	78
52) Tetrachloroethene	11.24	164	1662106	8.060	ppbv	#	85
53) Toluene	9.82	91	3747382	8.606	ppbv		99
54) 1,2-Dibromoethane	10.62	107	2348231	8.688	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.14	131	2011282	9.211	ppbv		96
57) Chlorobenzene	12.16	112	3261248	8.488	ppbv	#	82
58) Ethyl Benzene	12.73	91	4909329	8.835	ppbv	#	86
59) m/p-Xylene	13.01	91	8016216m	17.066	ppbv		
60) o-Xylene	13.71	91	4023610	8.814	ppbv		87
61) Styrene	13.55	104	3353586	9.091	ppbv	#	90
62) Isopropylbenzene	14.69	105	6297181	8.416	ppbv	#	88
63) 1,1,2,2-Tetrachloroethane	13.70	83	2811397	8.573	ppbv		97
64) n-propylbenzene	15.58	120	2023032	8.772	ppbv	#	51
65) tert-Butylbenzene	16.77	119	6036254	8.302	ppbv		83
66) Benzyl Chloride	17.01	91	2124657	12.148	ppbv	#	90
67) sec-Butylbenzene	17.32	105	7781650	8.132	ppbv	#	86
69) p-Isopropyltoluene	17.68	119	6948056	8.183	ppbv	#	90
70) n-Butylbenzene	18.57	91	6635408	8.274	ppbv	#	92
71) 2-Chlorotoluene	15.47	91	4739145	8.730	ppbv		79
72) 4-Ethyltoluene	15.86	105	5235390	8.738	ppbv	#	92
73) 1,3,5-Trimethylbenzene	16.02	105	4859493	8.717	ppbv	#	84
74) 1,2,4-Trimethylbenzene	16.79	105	5053876	8.344	ppbv		92
75) 1,3-Dichlorobenzene	17.02	146	3740695	7.996	ppbv		92
76) 1,4-Dichlorobenzene	17.16	146	3830107m	8.308	ppbv		
77) 1,2-Dichlorobenzene	17.84	146	3702505	8.080	ppbv		92
78) Hexachloro-1,3-Butadiene	23.40	225	2501229	6.904	ppbv		99
79) Naphthalene	22.23	128	6595604	7.732	ppbv		100
80) Naphthalene,2-methyl-	25.00	142	2899733	8.226	ppbv	#	93
81) 1,2,4-Trichlorobenzene	21.96	180	3782224	7.356	ppbv		100

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

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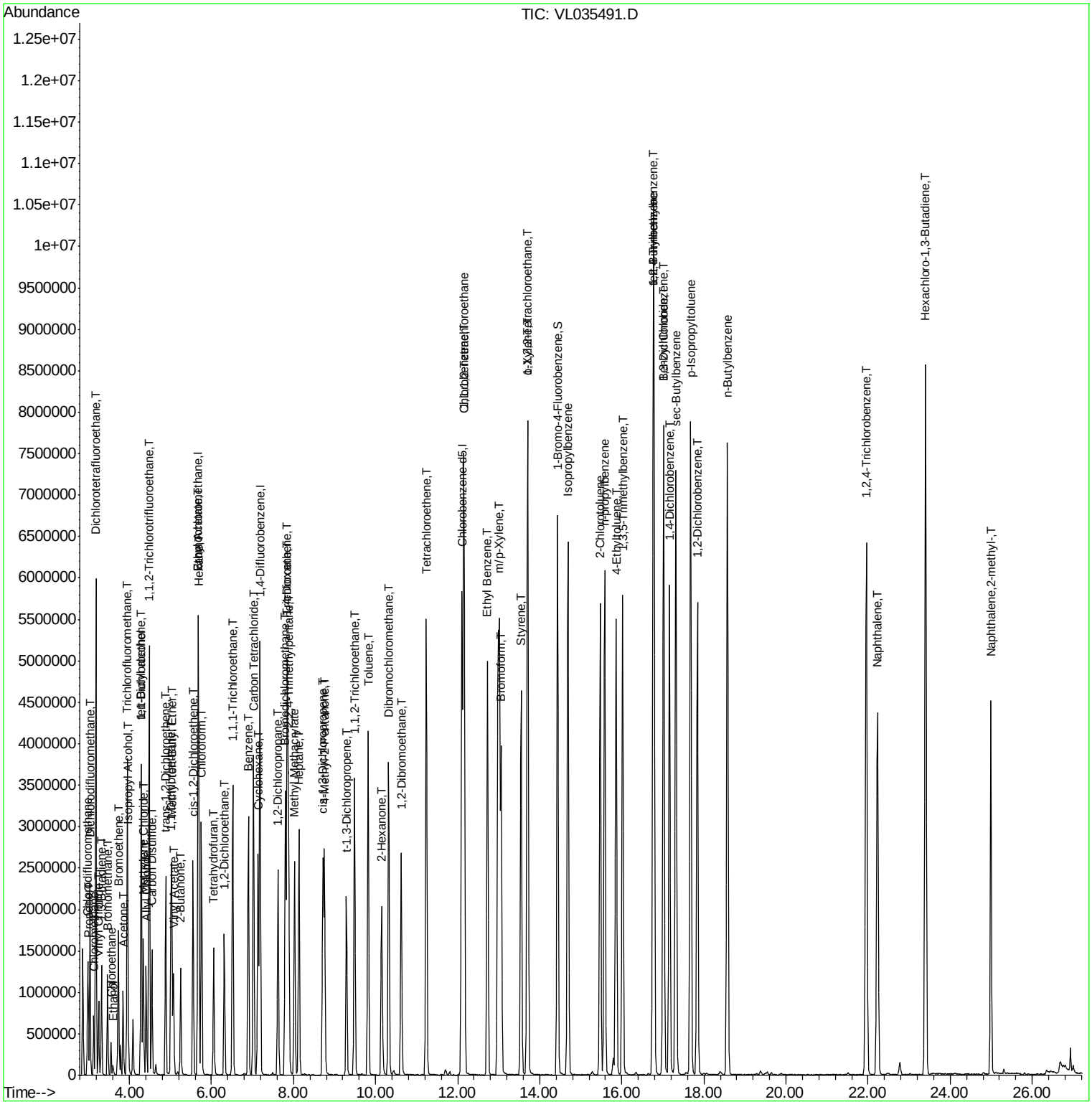
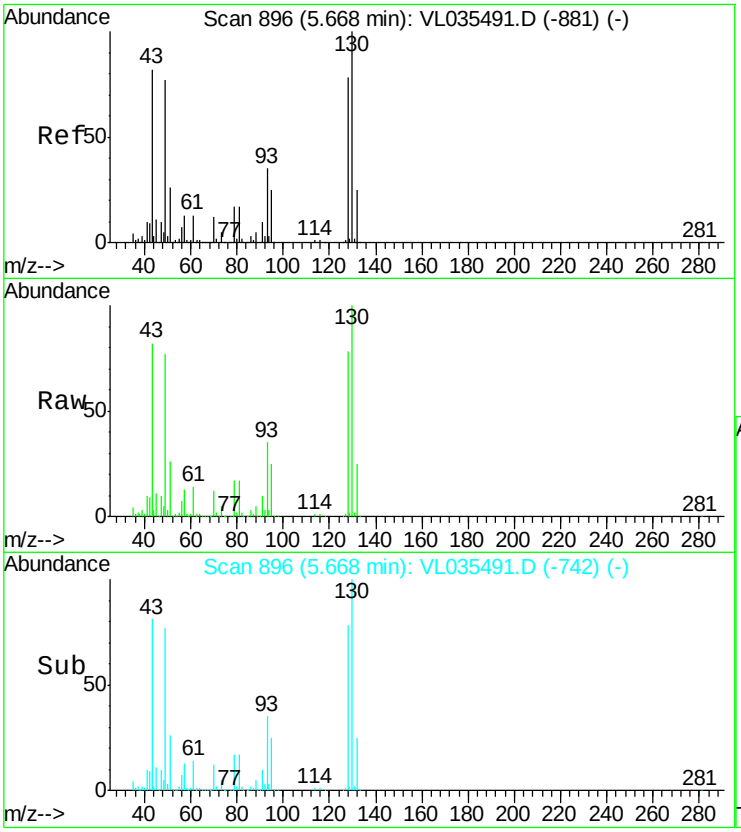
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Aug 23 10:33:37 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Aug 17 19:28:30 2020
QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration



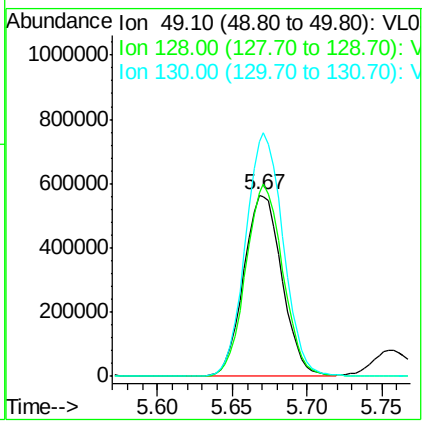


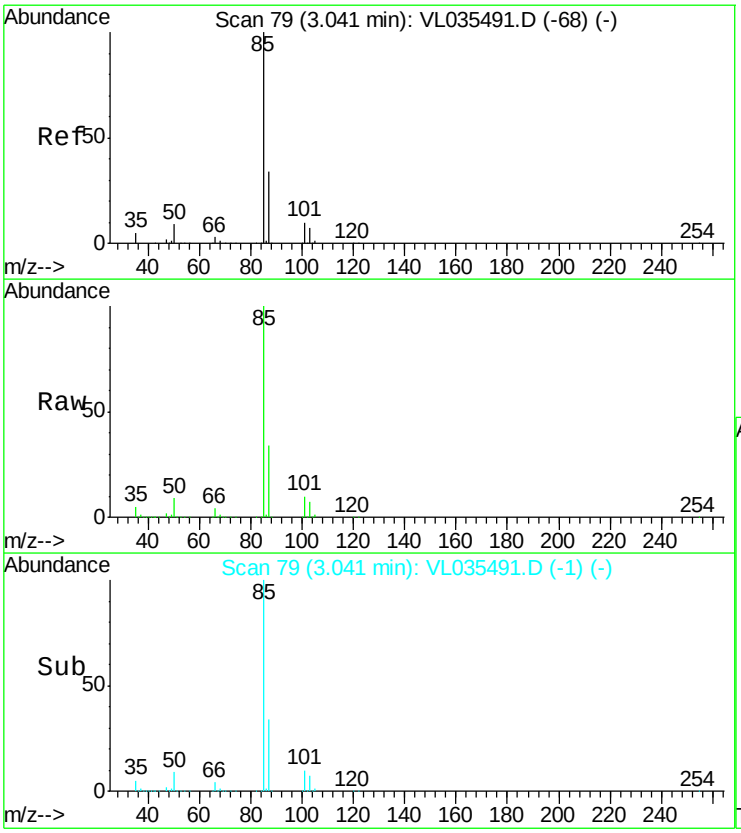
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 1008201

Ion	Ratio	Lower	Upper
49	100		
128	103.3	20.9	62.7#
130	132.3	26.7	80.1#

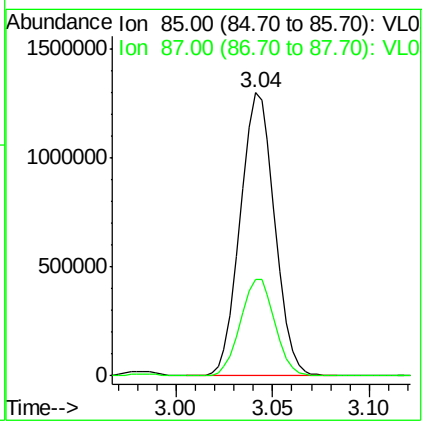


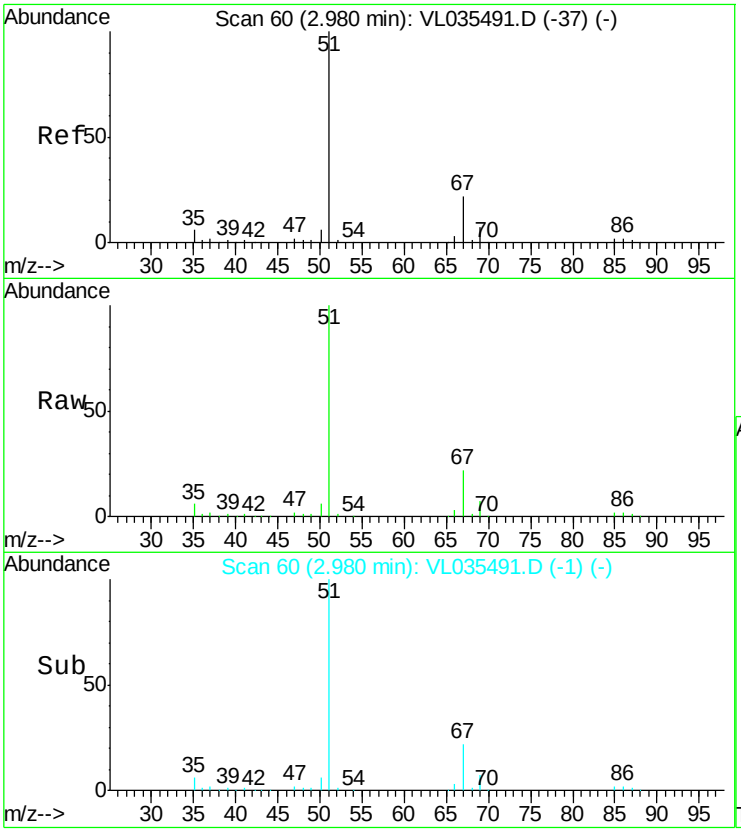


#2
Dichlorodifluoromethane
Concen: 8.611 ppbv
RT: 3.04 min Scan# 79
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 85 Resp: 1609035

Ion	Ratio	Lower	Upper
85	100		
87	34.1	27.1	40.7



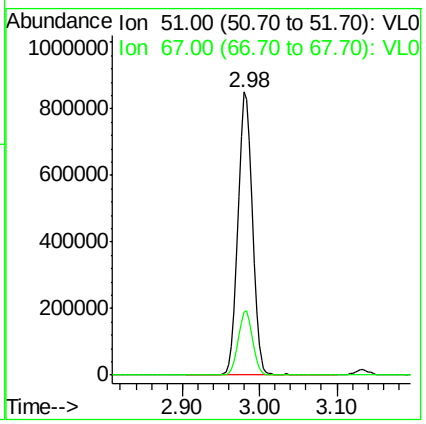


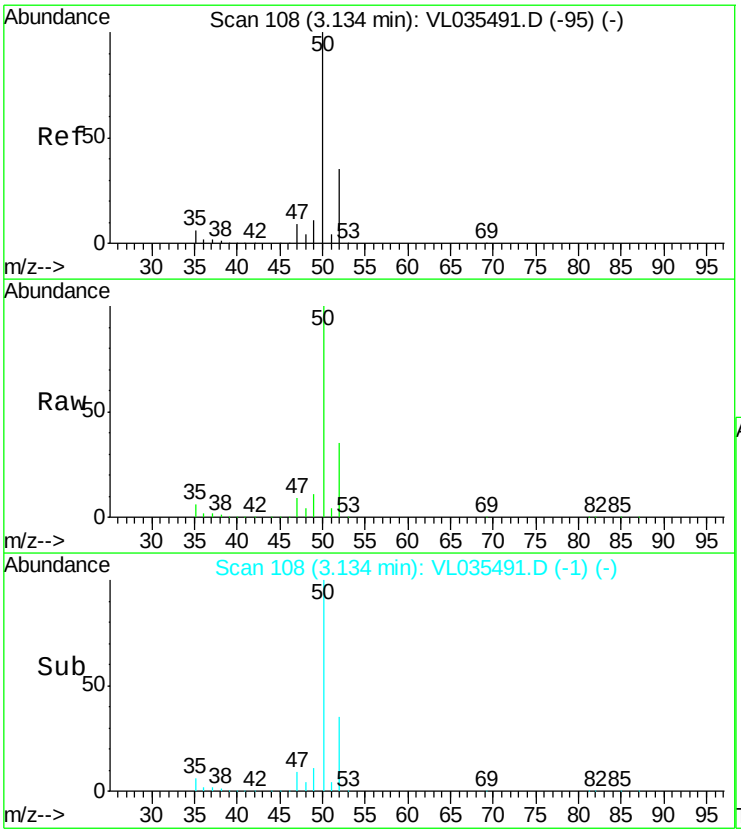
#3
Chlorodifluoromethane
Concen: 8.527 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 1077890

Ion	Ratio	Lower	Upper
51	100		
67	22.4	15.0	22.6

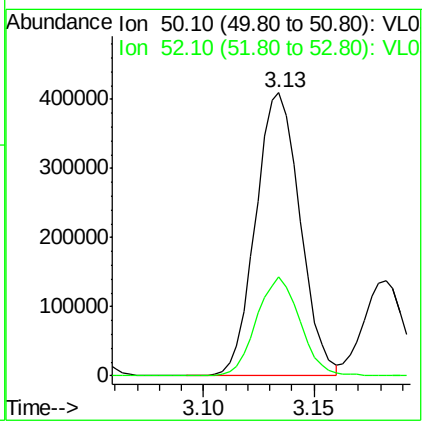


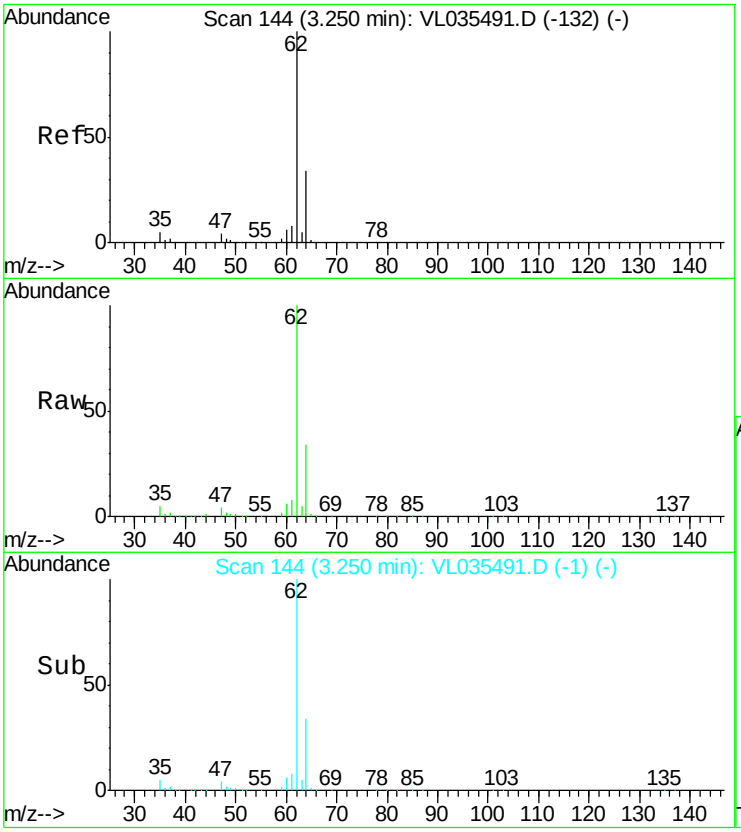


#4
Chloromethane
Concen: 8.656 ppbv
RT: 3.13 min Scan# 108
Delta R.T. 0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 50 Resp: 570039

Ion	Ratio	Lower	Upper
50	100		
52	35.2	25.9	38.9



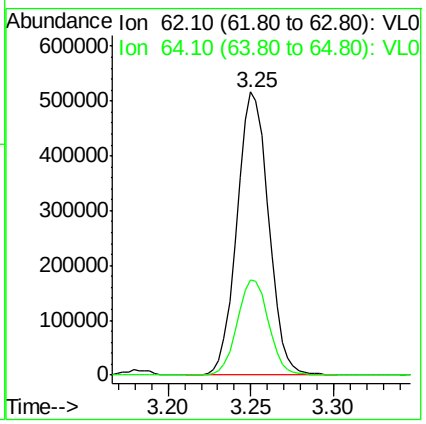


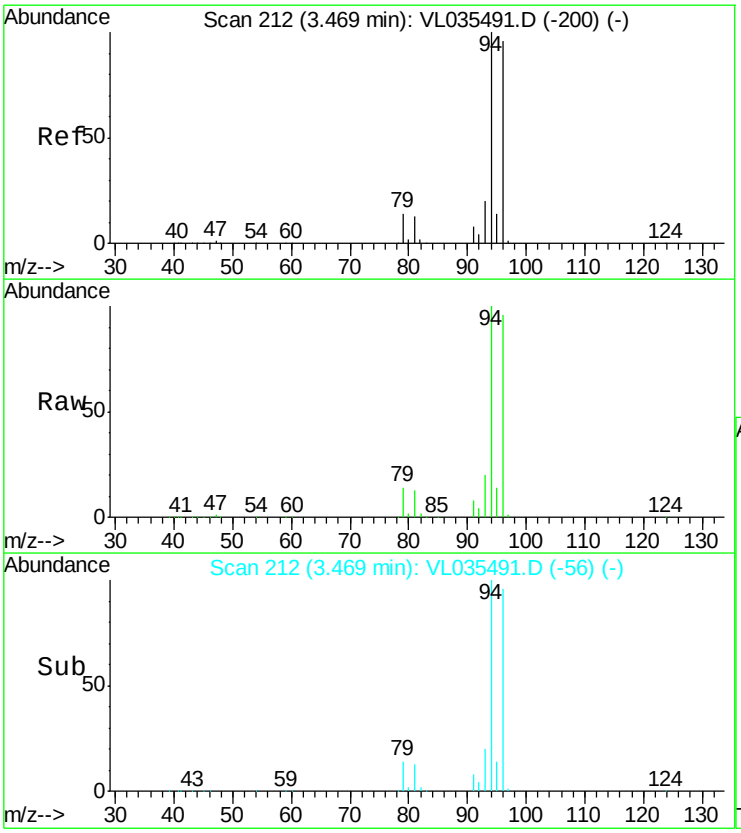
#5
Vinyl Chloride
Concen: 8.711 ppbv
RT: 3.25 min Scan# 144
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 62 Resp: 685578

Ion	Ratio	Lower	Upper
62	100		
64	33.9	25.0	37.4

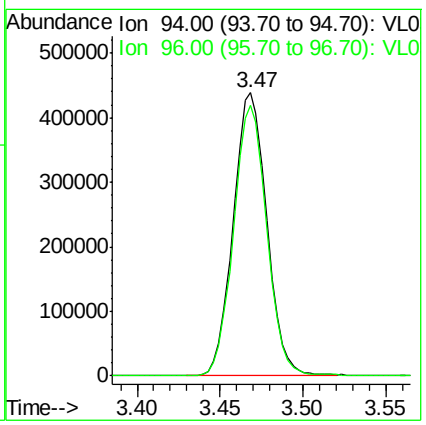


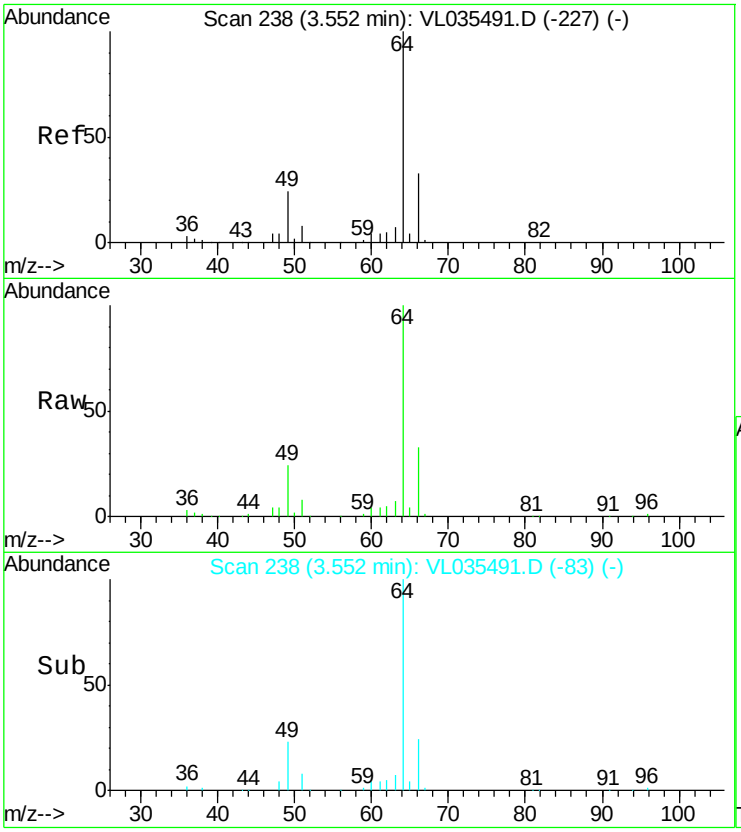


#6
Bromomethane
Concen: 8.968 ppbv
RT: 3.47 min Scan# 212
Delta R.T. 0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 94 Resp: 617315

Ion	Ratio	Lower	Upper
94	100		
96	95.8	75.0	112.6



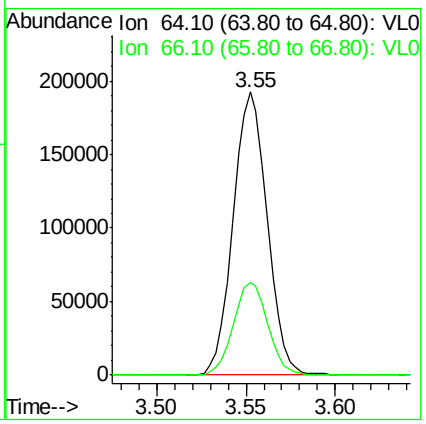


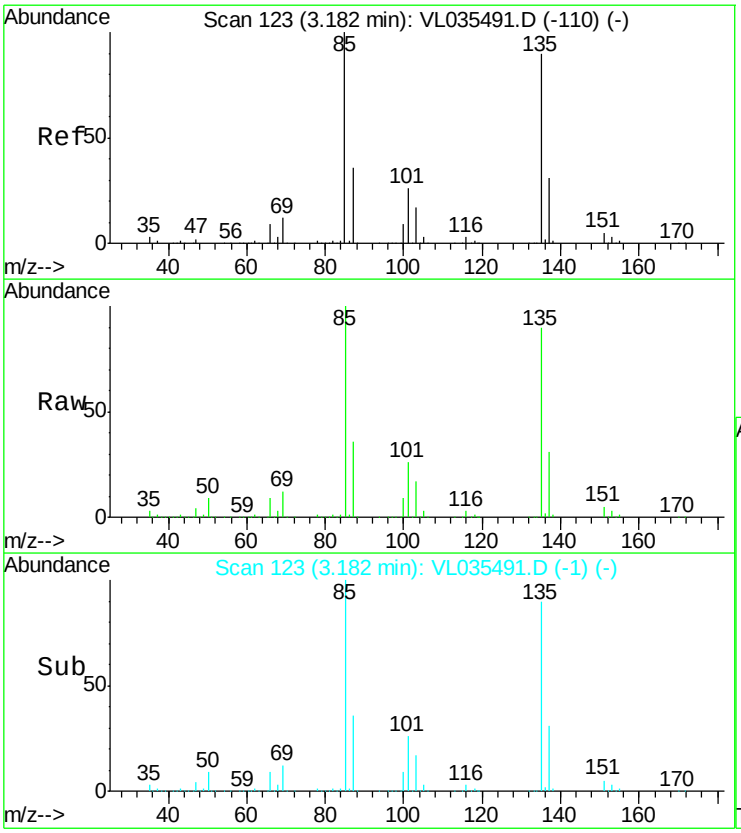
#7
Chloroethane
Concen: 8.793 ppbv
RT: 3.55 min Scan# 238
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 254963

Ion	Ratio	Lower	Upper
64	100		
66	32.7	24.5	36.7

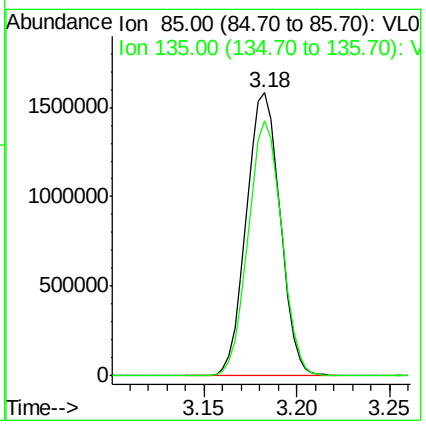


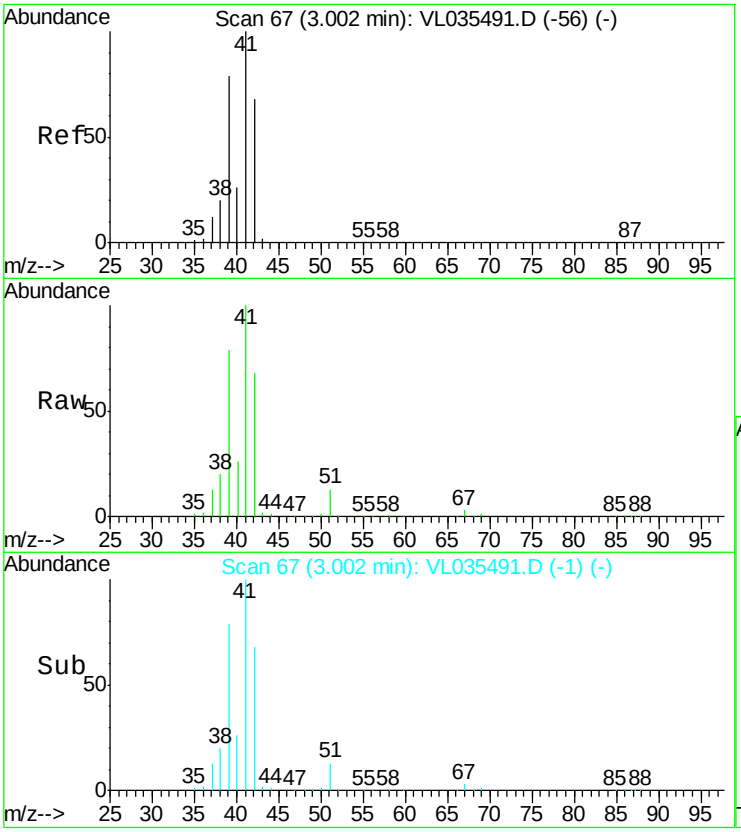


#8
Dichlorotetrafluoroethane
Concen: 8.410 ppbv
RT: 3.18 min Scan# 123
Delta R.T. 0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 85 Resp: 2012337

Ion	Ratio	Lower	Upper
85	100		
135	89.7	48.6	72.8#



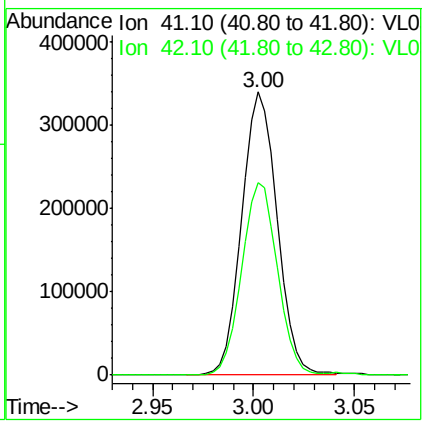


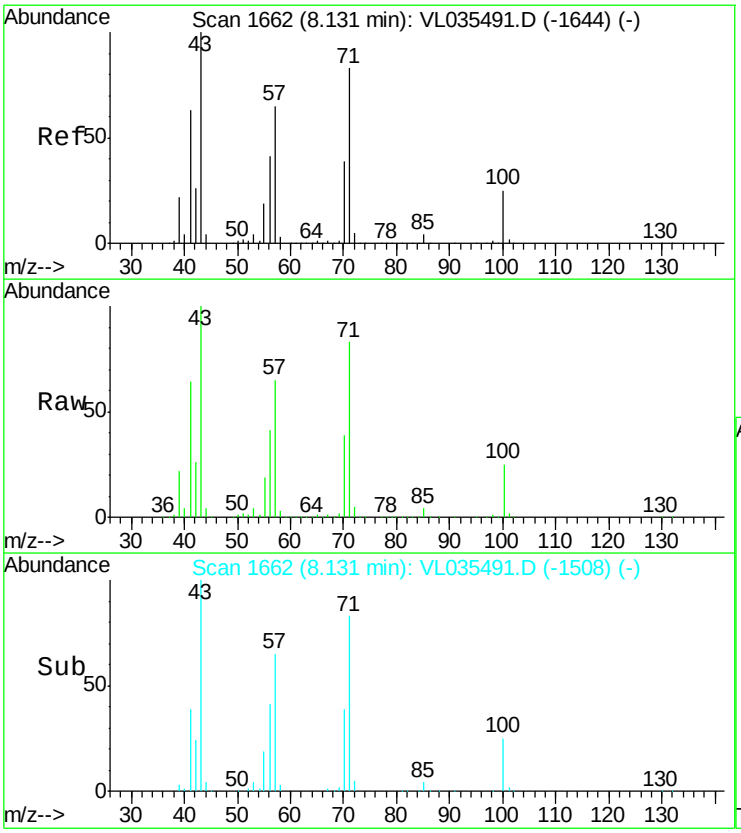
#9
Propene
Concen: 8.273 ppbv
RT: 3.00 min Scan# 67
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 420355

Ion	Ratio	Lower	Upper
41	100		
42	69.1	55.5	83.3

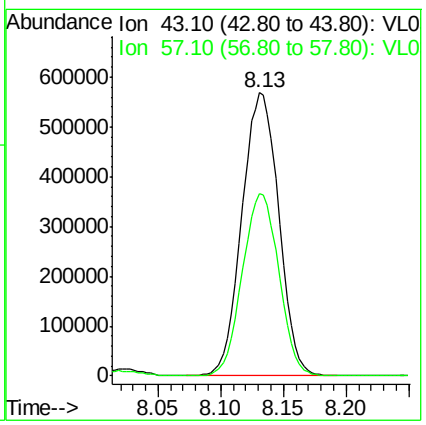


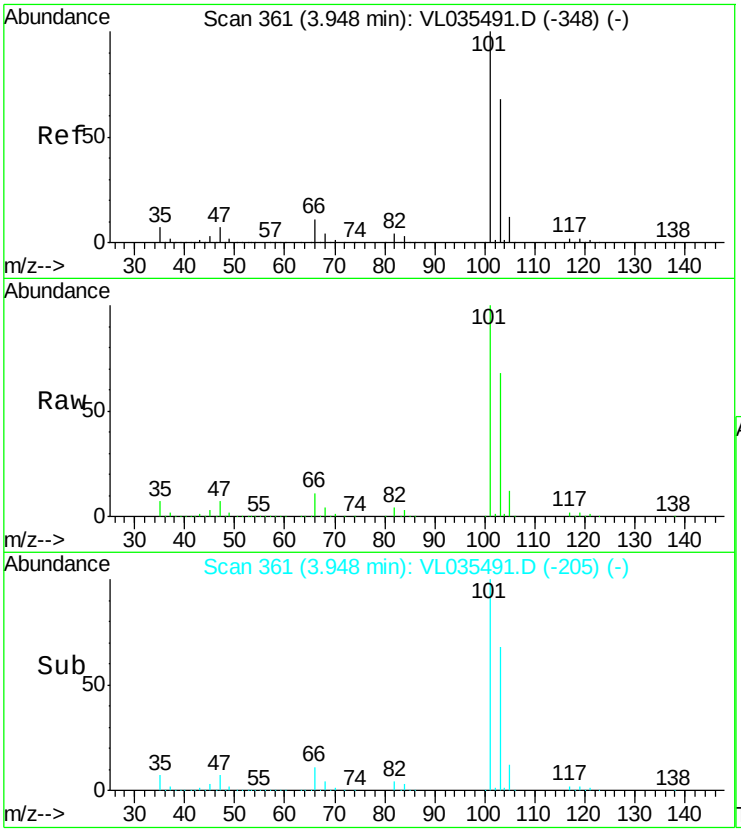


#10
Heptane
Concen: 8.694 ppbv
RT: 8.13 min Scan# 1662
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 43 Resp: 1158205

Ion	Ratio	Lower	Upper
43	100		
57	64.3	39.8	59.6#



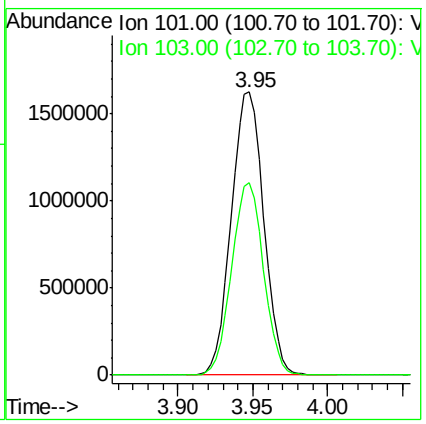


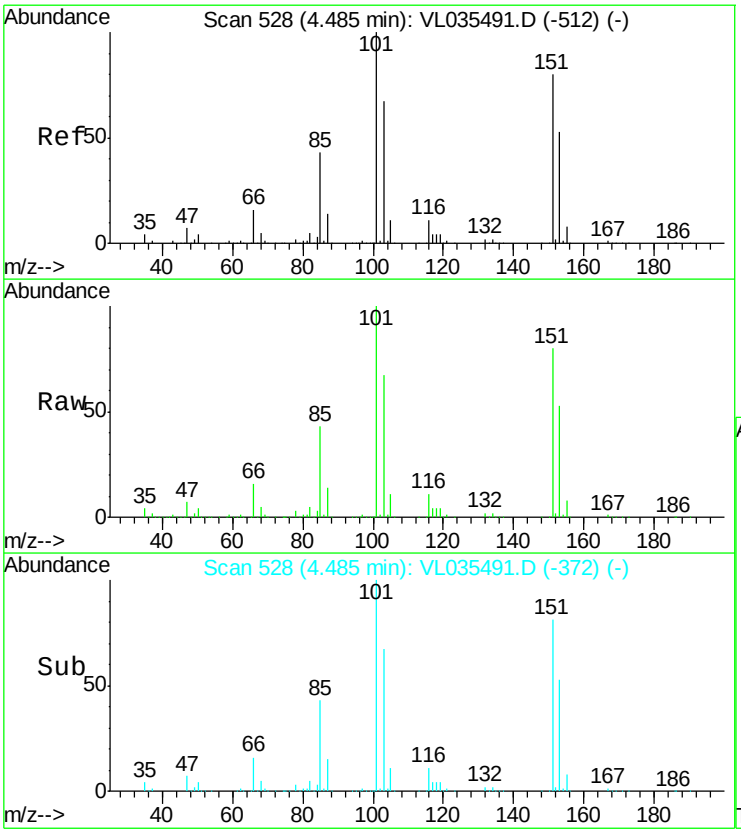
#11
Trichlorofluoromethane
Concen: 8.401 ppbv
RT: 3.95 min Scan# 361
Delta R.T. 0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 2463101

Ion	Ratio	Lower	Upper
101	100		
103	68.0	52.6	78.8

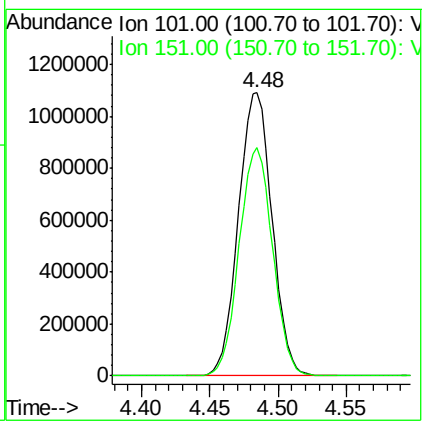


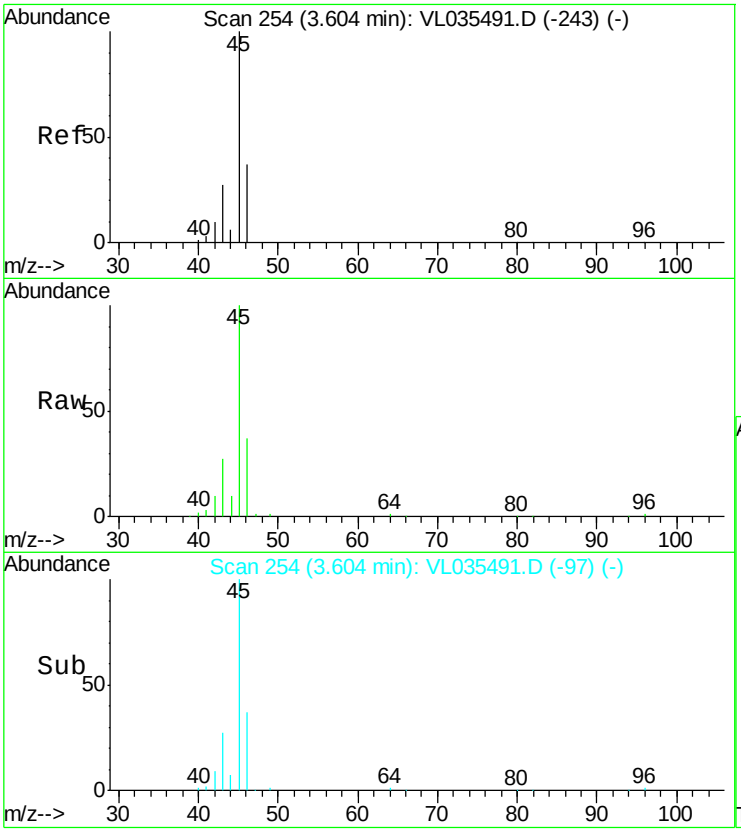


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.559 ppbv
RT: 4.48 min Scan# 528
Delta R.T. 0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion:101 Resp: 1870035

Ion	Ratio	Lower	Upper
101	100		
151	80.1	53.6	80.4



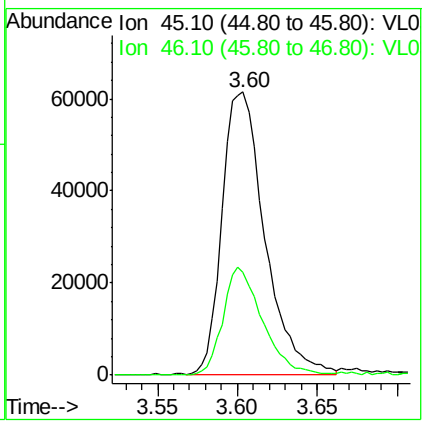


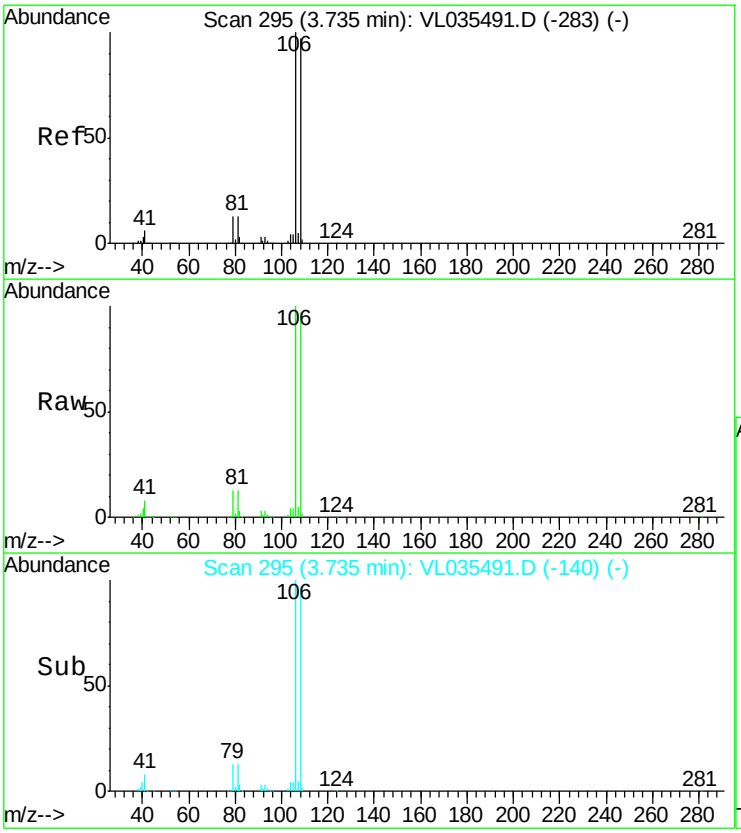
#13
Ethanol
Concen: 5.985 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 111412

Ion	Ratio	Lower	Upper
45	100		
46	36.0	14.2	56.6

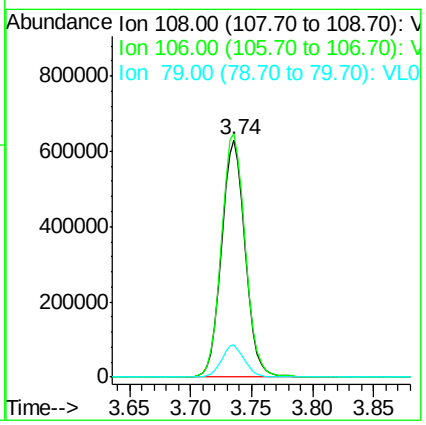


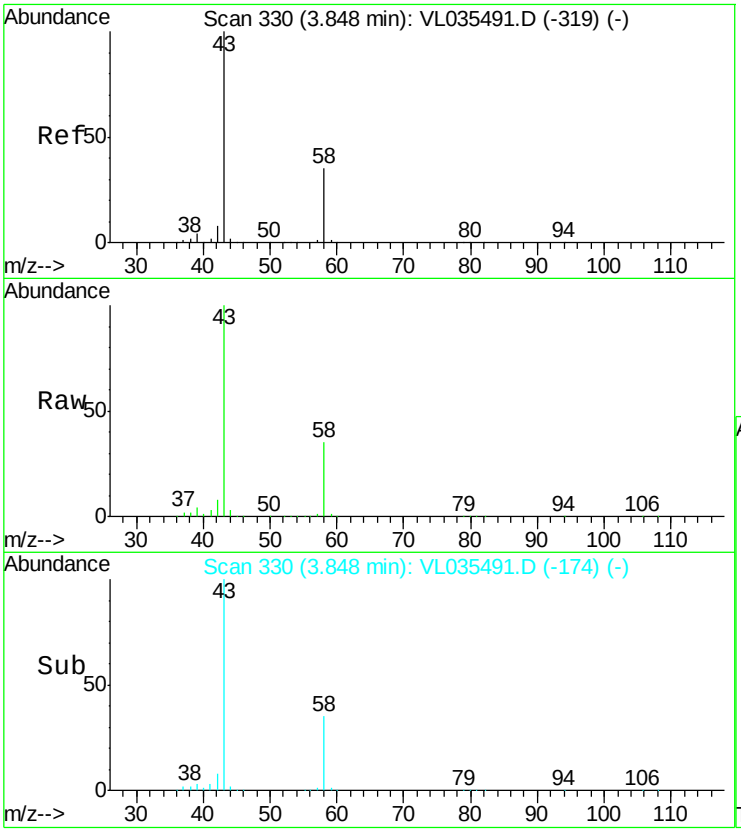


#14
Bromoethene
Concen: 8.924 ppbv
RT: 3.74 min Scan# 295
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion:108 Resp: 861645

Ion	Ratio	Lower	Upper
108	100		
106	104.5	86.7	130.1
79	13.4	16.8	25.2#



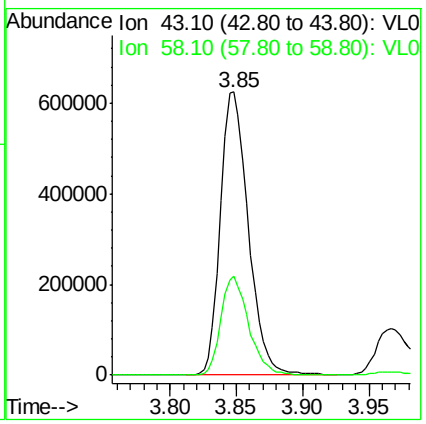


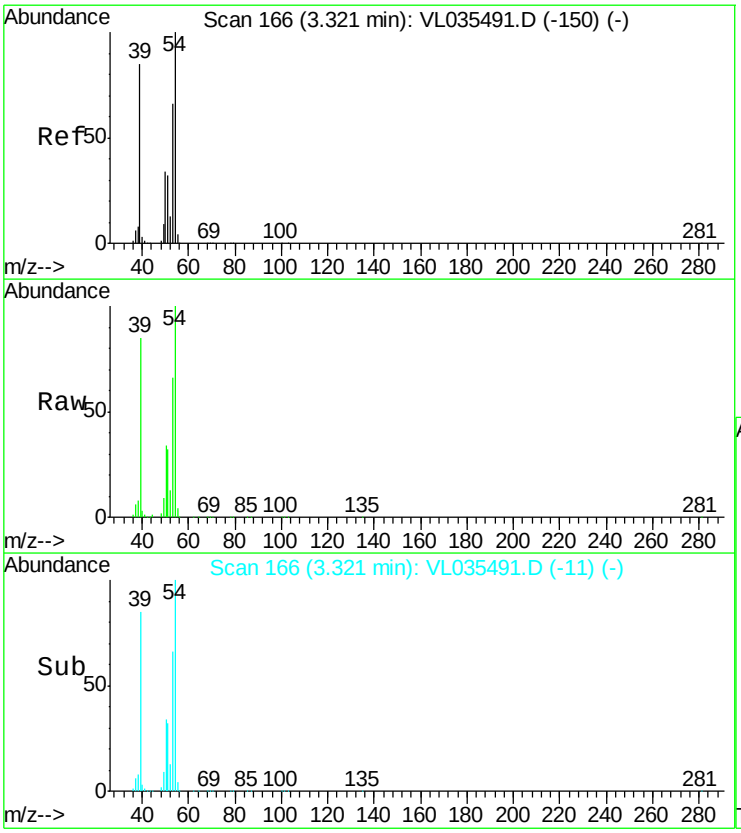
#15
Acetone
Concen: 7.916 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 918638

Ion	Ratio	Lower	Upper
43	100		
58	34.7	21.0	31.6#

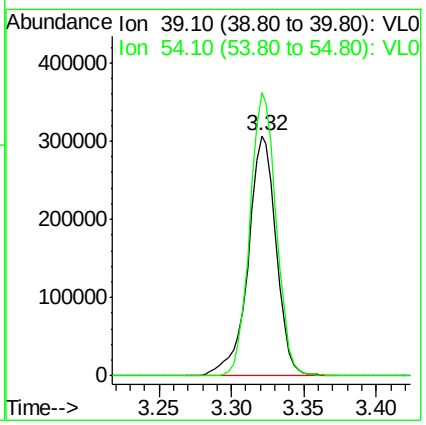


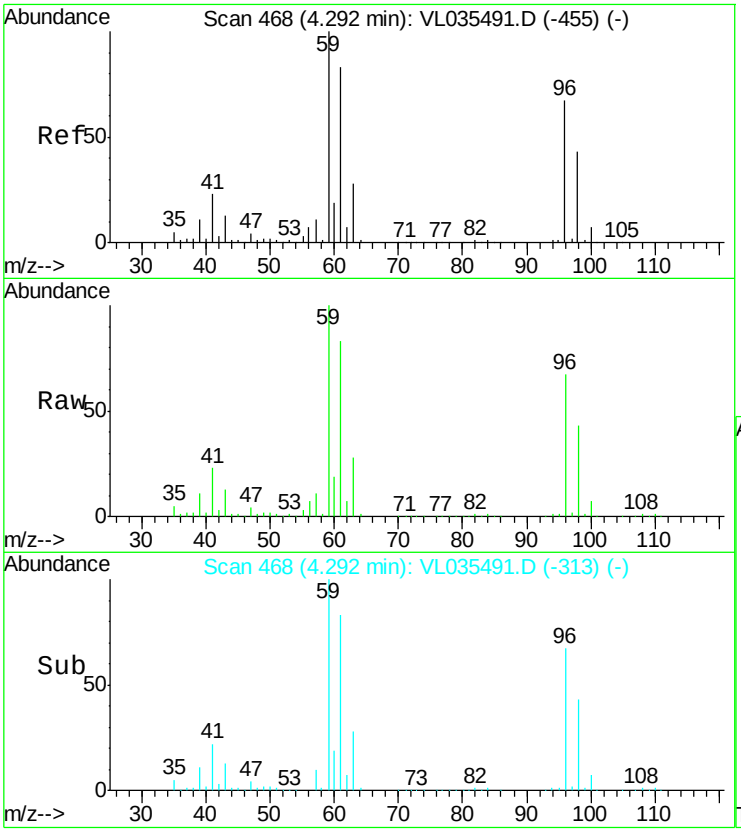


#16
1,3-Butadiene
Concen: 8.770 ppbv
RT: 3.32 min Scan# 166
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 39 Resp: 412702

Ion	Ratio	Lower	Upper
39	100		
54	111.6	64.4	96.6#



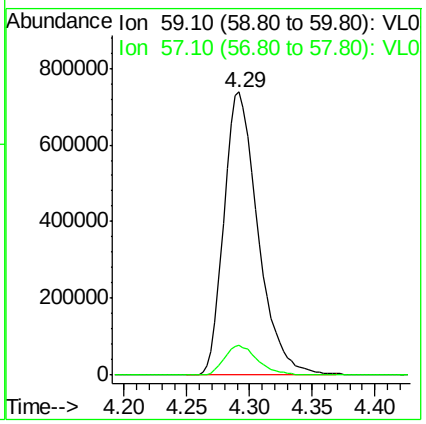


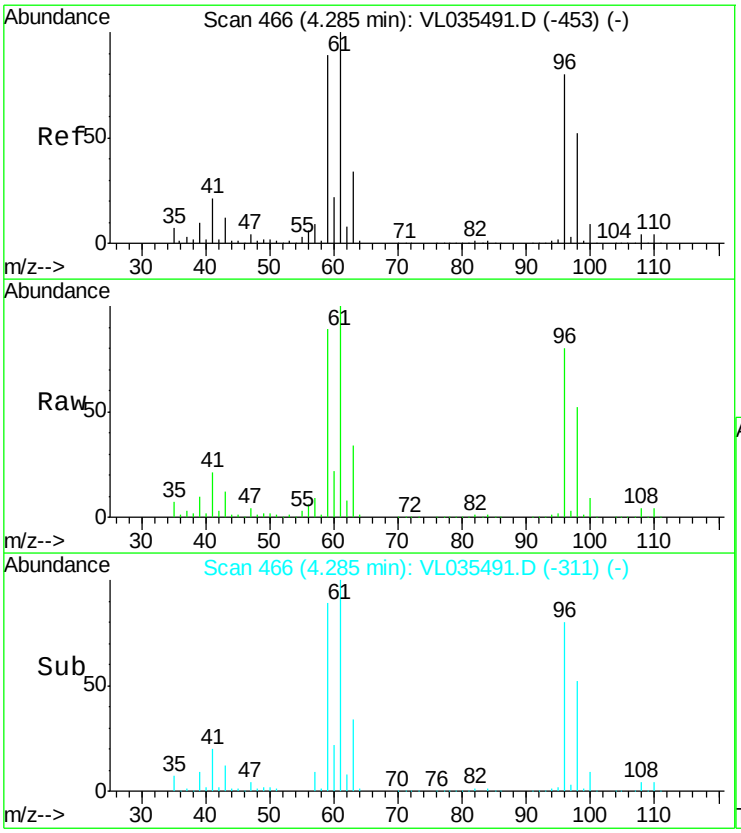
#17
tert-Butyl alcohol
Concen: 9.296 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 1394227

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.9	13.3

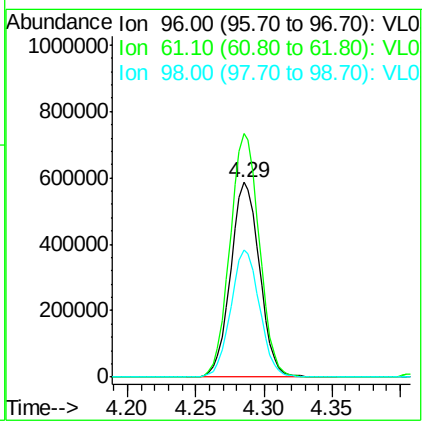


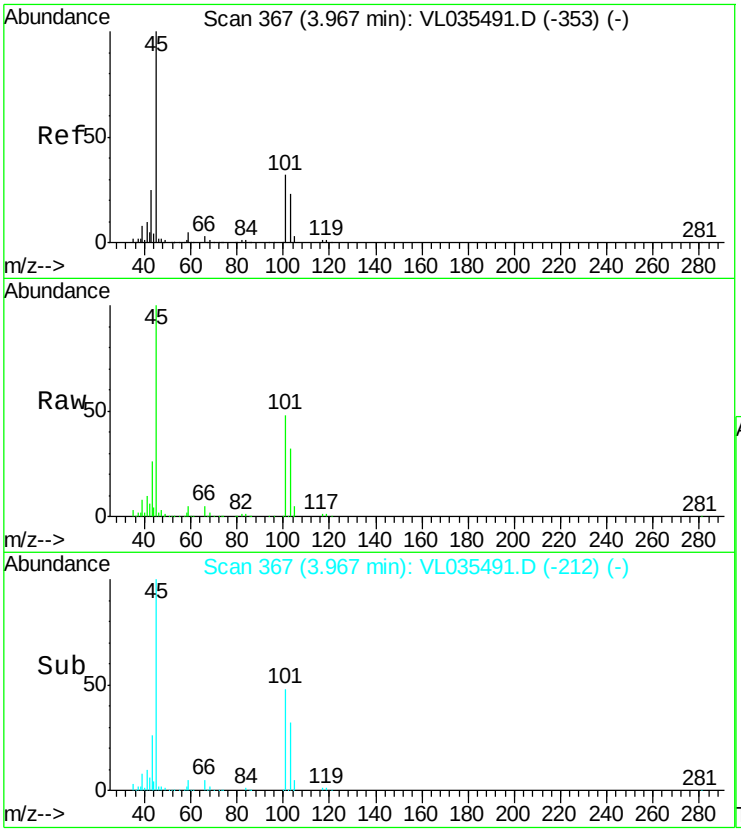


#18
1,1-Dichloroethene
Concen: 8.953 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 96 Resp: 863679

Ion	Ratio	Lower	Upper
96	100		
61	124.9	161.8	242.6#
98	65.3	49.3	73.9



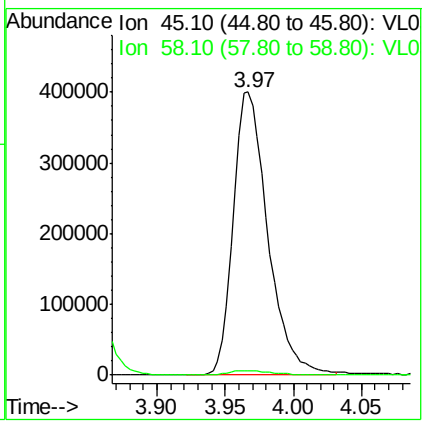


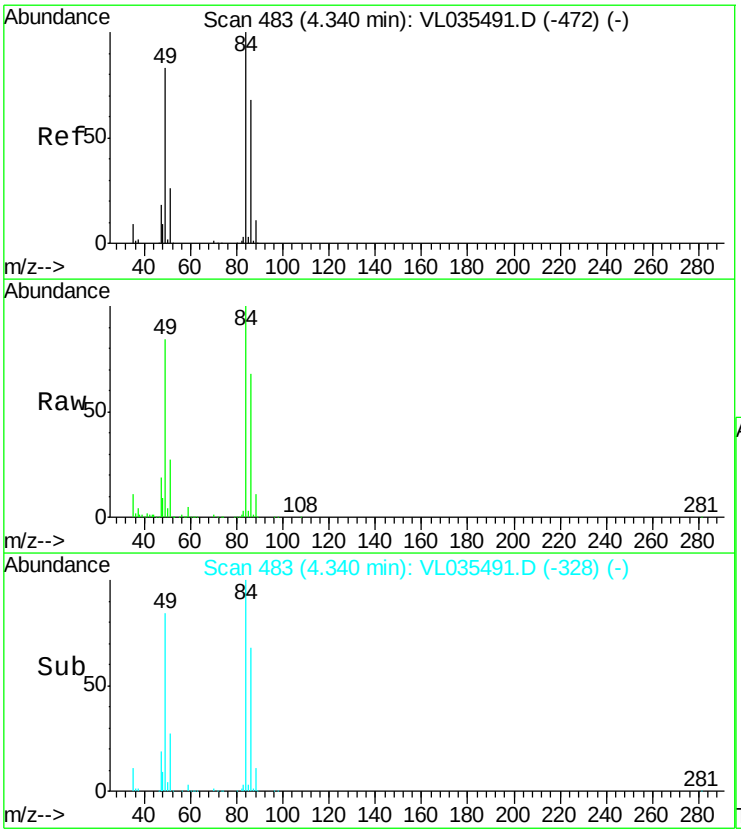
#19
Isopropyl Alcohol
Concen: 8.790 ppbv
RT: 3.97 min Scan# 367
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 45 Resp: 703044

Ion	Ratio	Lower	Upper
45	100		
58	2.3	1.0	1.6#

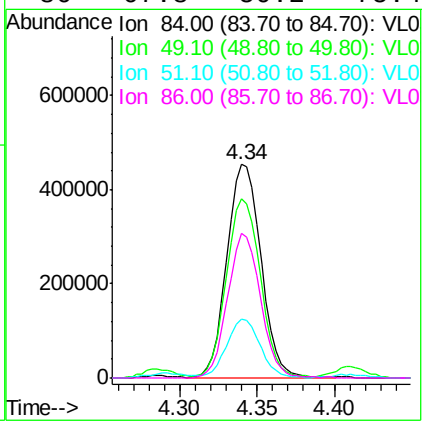


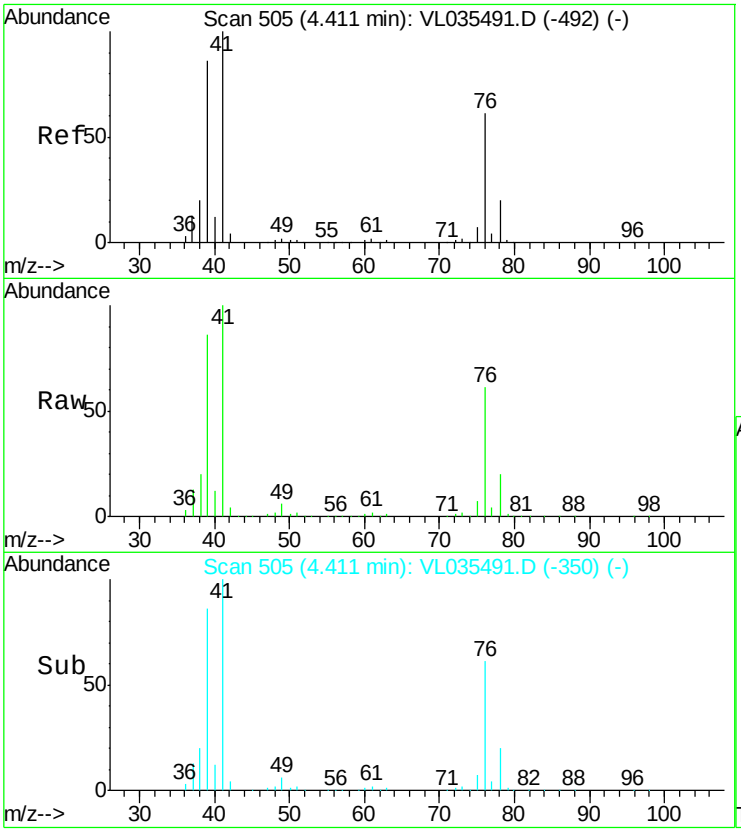


#20
Methylene Chloride
Concen: 7.393 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 84 Resp: 692169

Ion	Ratio	Lower	Upper
84	100		
49	82.9	118.6	177.8#
51	26.4	36.4	54.6#
86	67.8	50.2	75.4



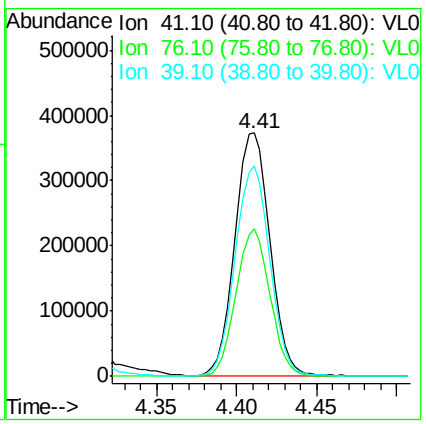


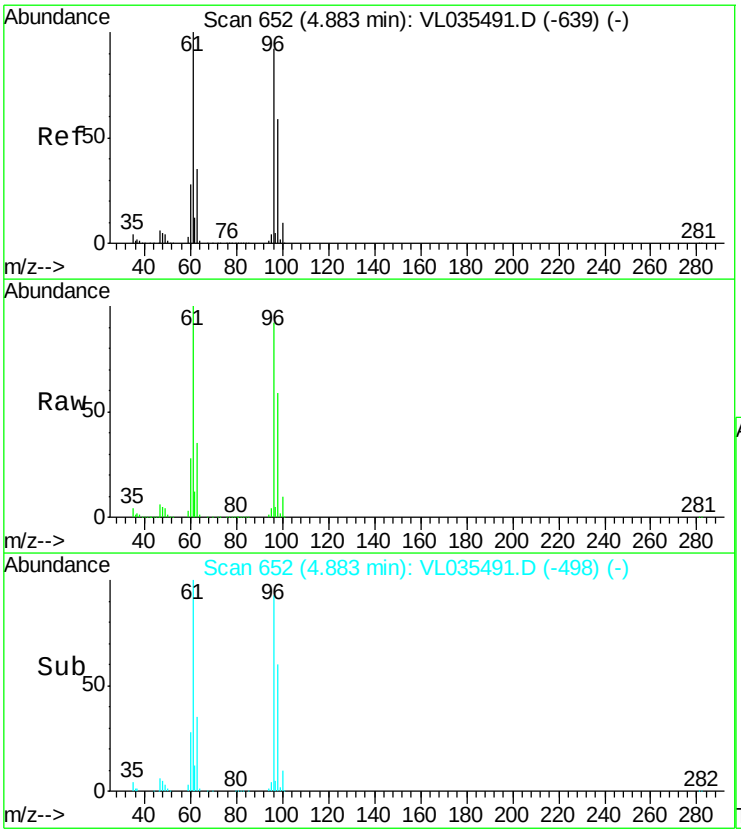
#21
Allyl Chloride
Concen: 9.398 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 554185

Ion	Ratio	Lower	Upper
41	100		
76	59.1	22.8	34.2#
39	86.2	66.2	99.2

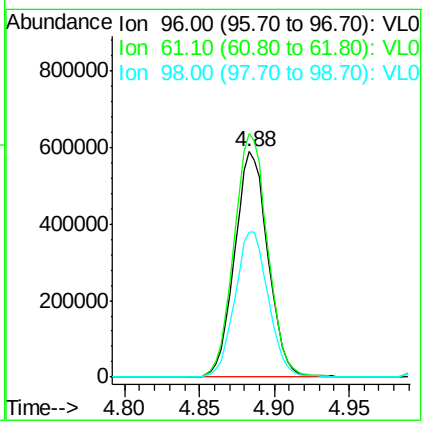


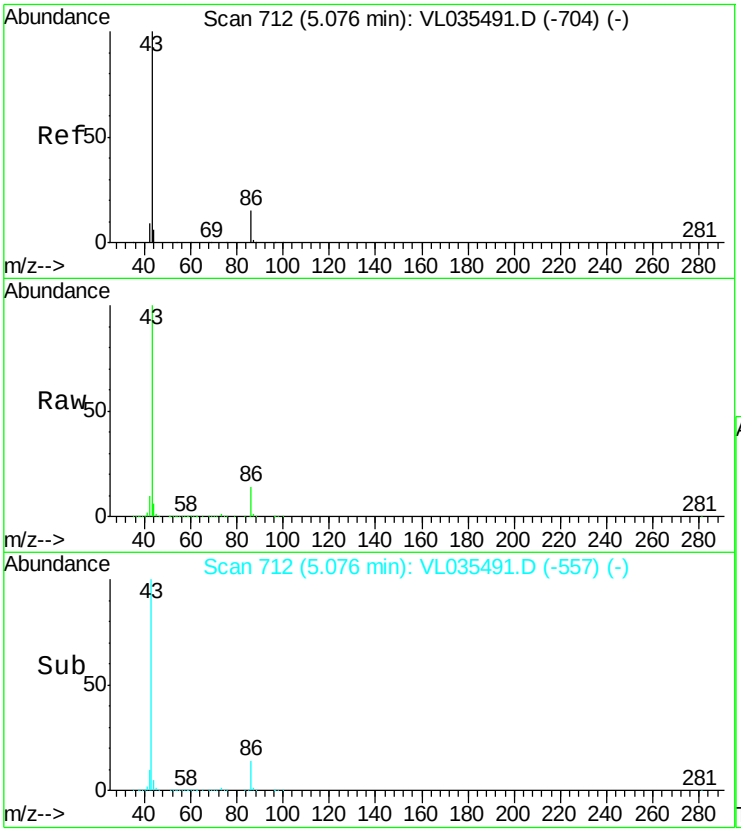


#22
trans-1,2-Dichloroethene
Concen: 8.869 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 96 Resp: 913146

Ion	Ratio	Lower	Upper
96	100		
61	108.1	142.2	213.2#
98	64.3	51.8	77.8



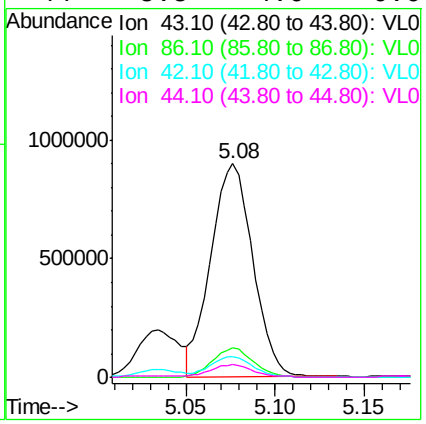


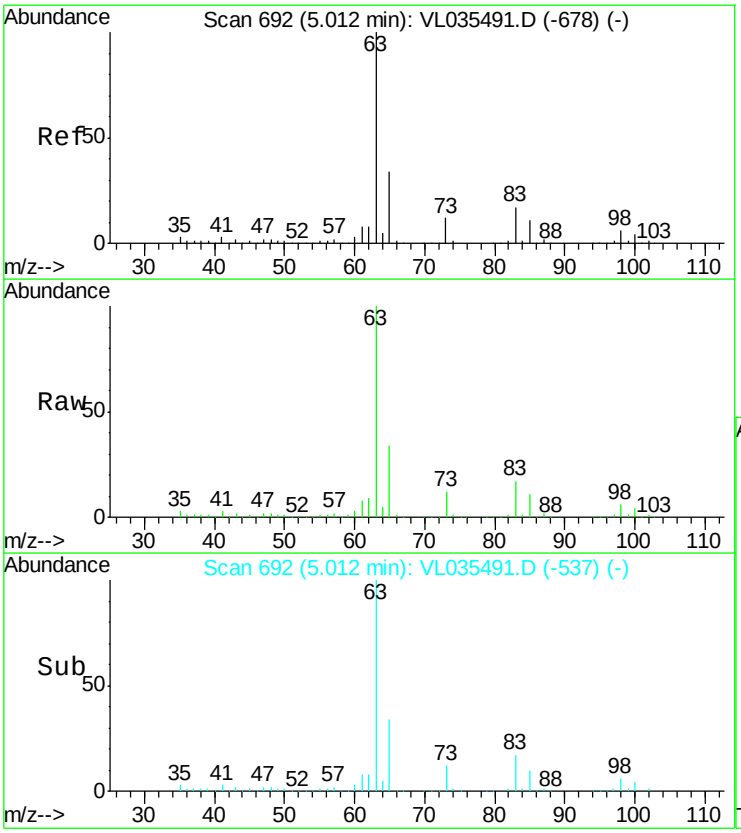
#23
Vinyl Acetate
Concen: 8.870 ppbv
RT: 5.08 min Scan# 712
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 43 Resp: 1471454

Ion	Ratio	Lower	Upper
43	100		
86	13.6	6.5	9.7#
42	9.8	8.3	12.5
44	5.5	4.0	6.0

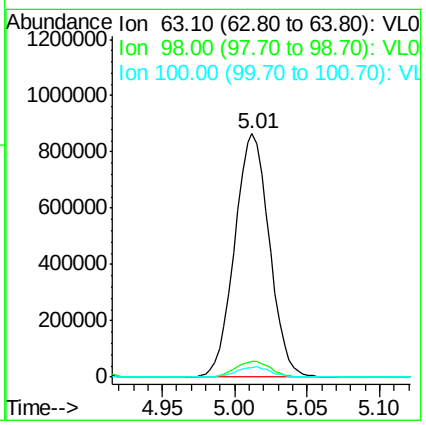


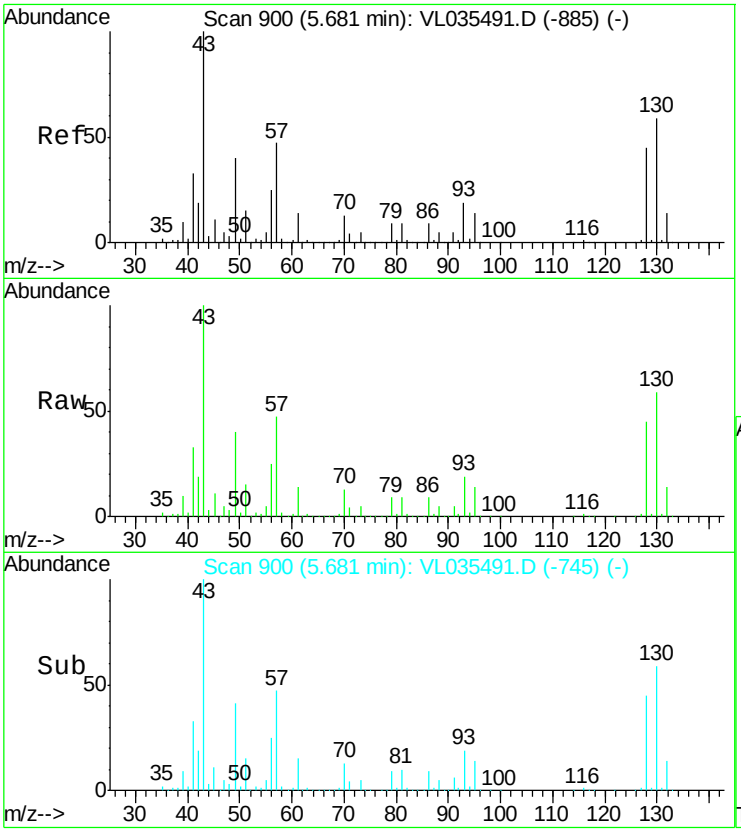


#24
1,1-Dichloroethane
Concen: 8.691 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 63 Resp: 1438799

Ion	Ratio	Lower	Upper
63	100		
98	6.3	2.1	6.5
100	4.0	1.3	3.8#



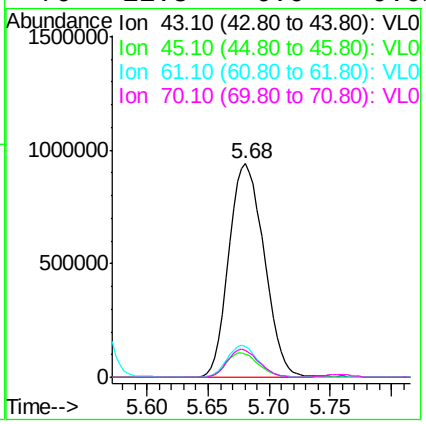


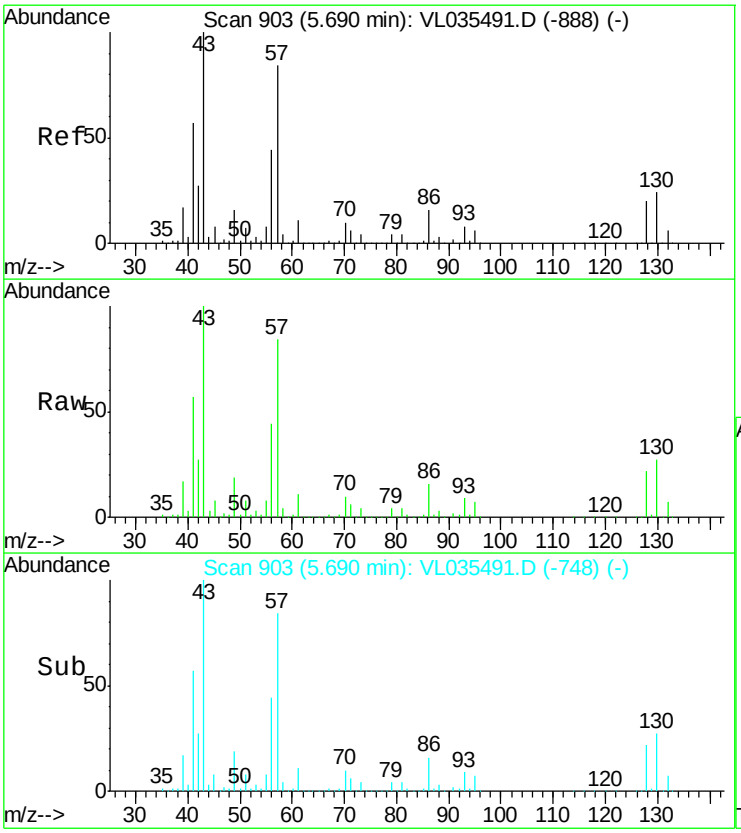
#25
Ethyl Acetate
Concen: 8.355 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1886695

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.3	12.5
61	13.3	7.6	11.4#
70	11.8	6.0	9.0#

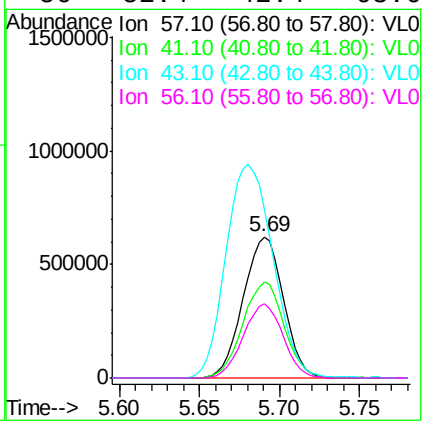


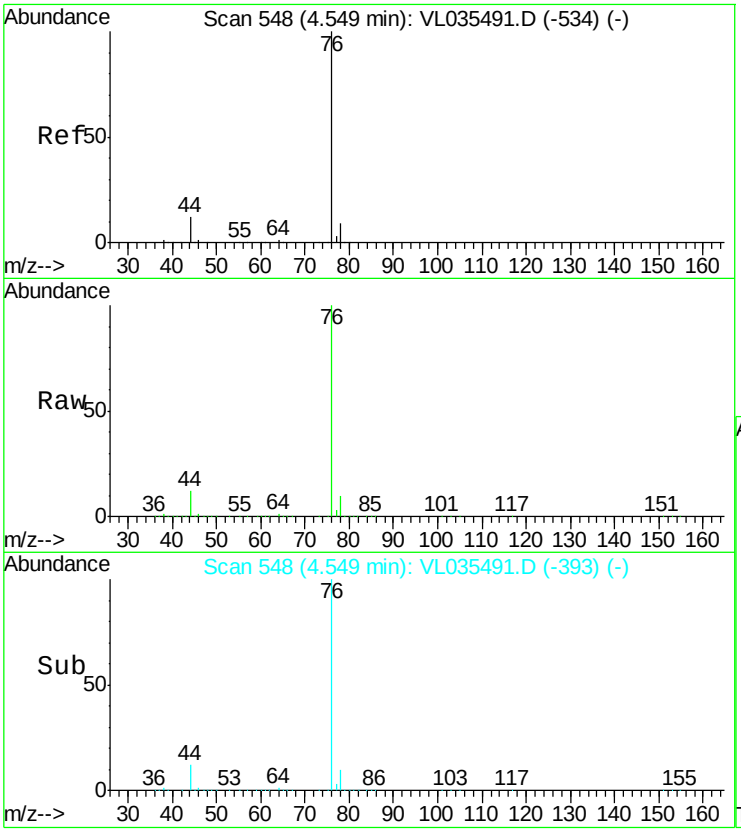


#26
Hexane
Concen: 8.372 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 57 Resp: 1066819

Ion	Ratio	Lower	Upper
57	100		
41	70.9	75.5	113.3#
43	177.4	181.7	272.5#
56	52.4	42.4	63.6



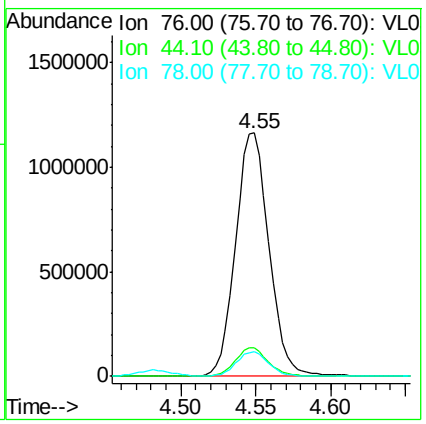


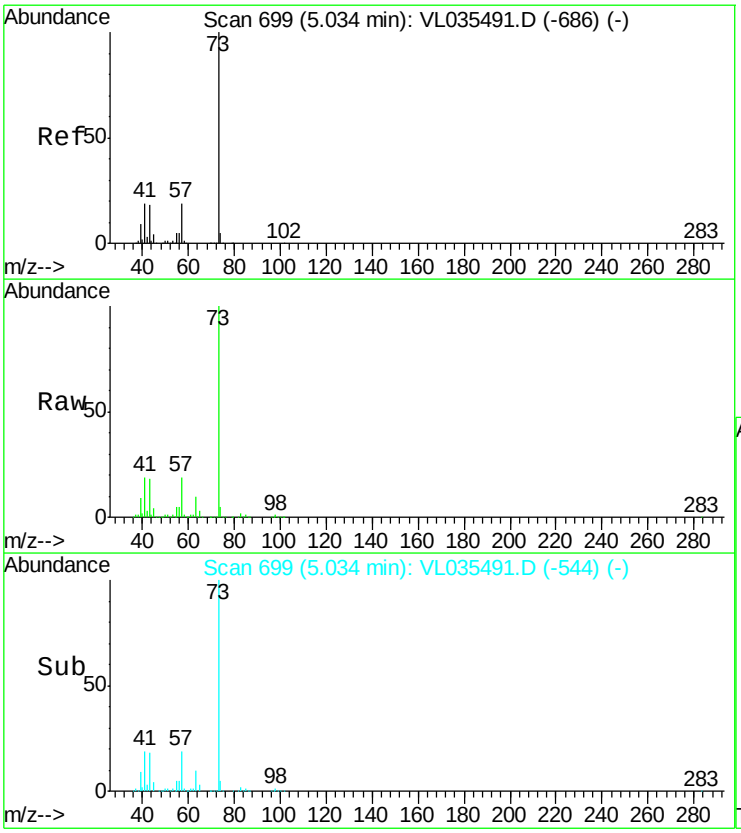
#27
Carbon Disulfide
Concen: 9.800 ppbv
RT: 4.55 min Scan# 548
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 76 Resp: 1805193

Ion	Ratio	Lower	Upper
76	100		
44	11.5	16.8	25.2#
78	9.8	7.3	10.9

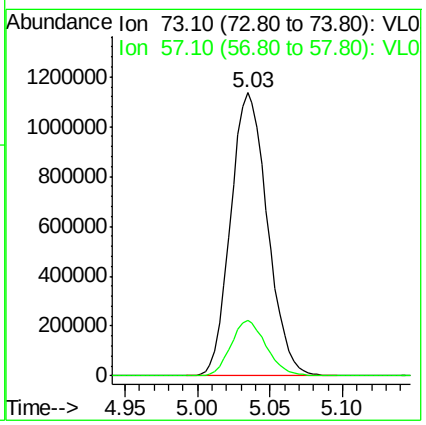


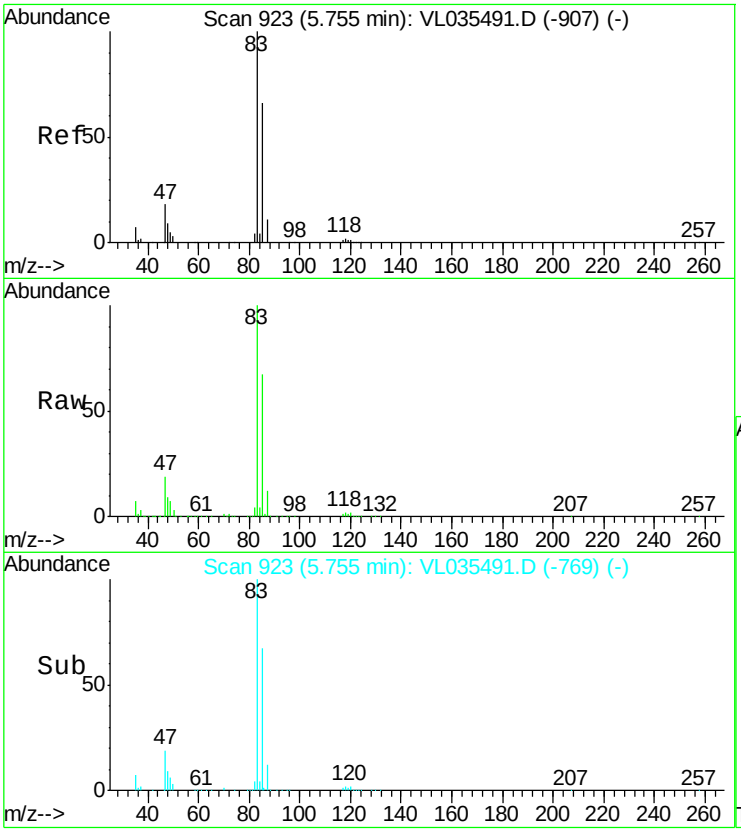


#28
Methyl tert-Butyl Ether
Concen: 8.601 ppbv
RT: 5.03 min Scan# 699
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 73 Resp: 2002245

Ion	Ratio	Lower	Upper
73	100		
57	18.9	18.3	27.5



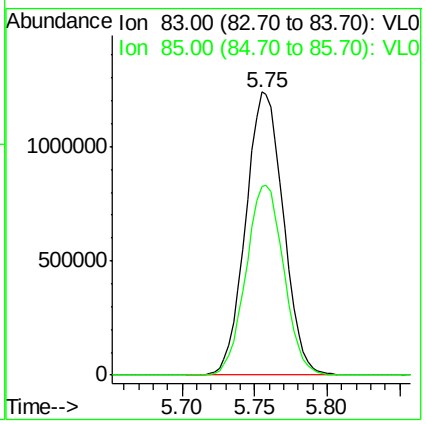


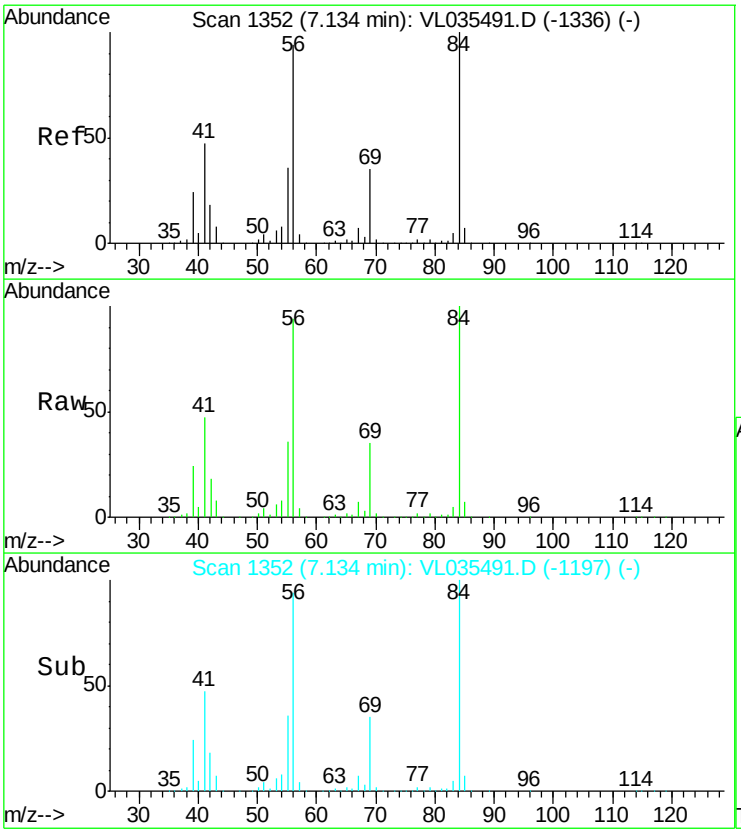
#29
Chloroform
Concen: 8.742 ppbv
RT: 5.75 min Scan# 923
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 2238361

Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.7	79.1

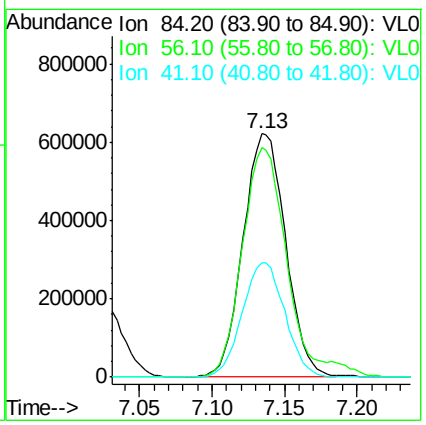


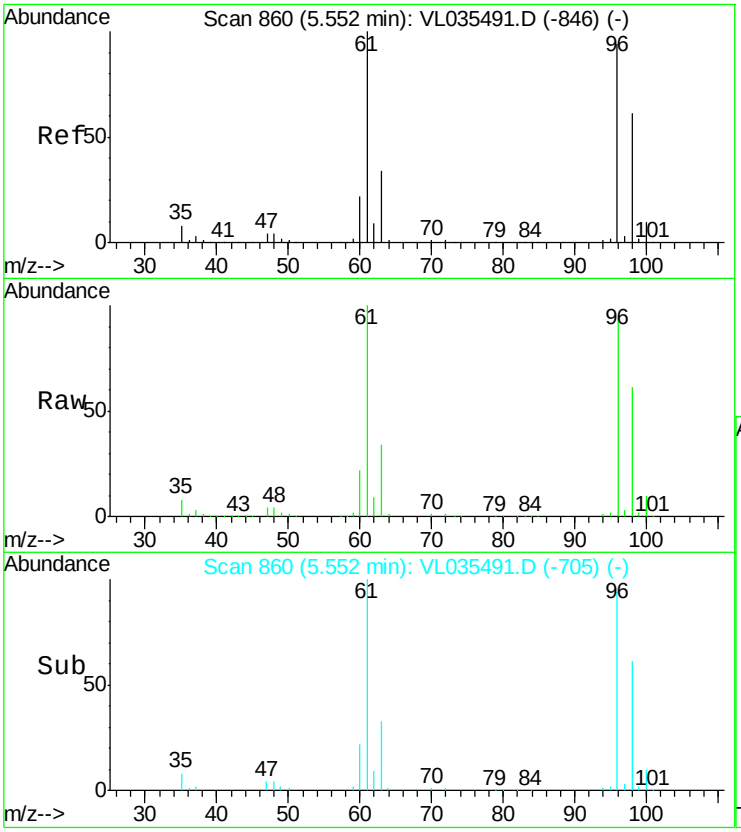


#30
Cyclohexane
Concen: 8.976 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 84 Resp: 1269038

Ion	Ratio	Lower	Upper
84	100		
56	99.9	114.9	172.3#
41	47.0	72.3	108.5#



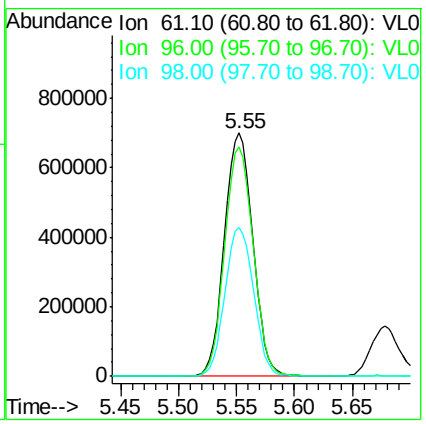


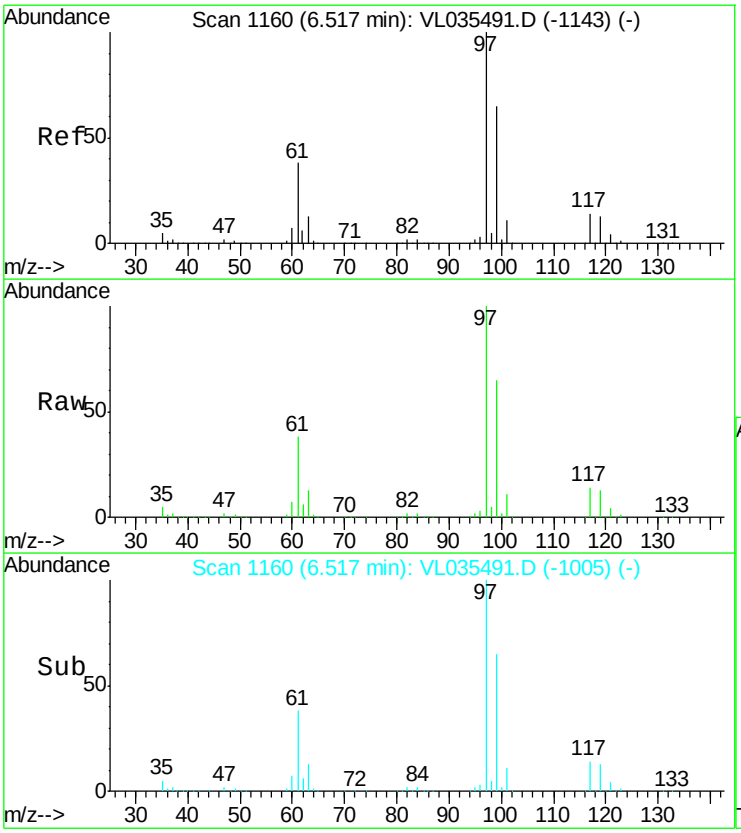
#31
cis-1,2-Dichloroethene
Concen: 8.852 ppbv
RT: 5.55 min Scan# 860
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 61 Resp: 1186334

Ion	Ratio	Lower	Upper
61	100		
96	94.4	51.4	77.0#
98	61.1	32.9	49.3#

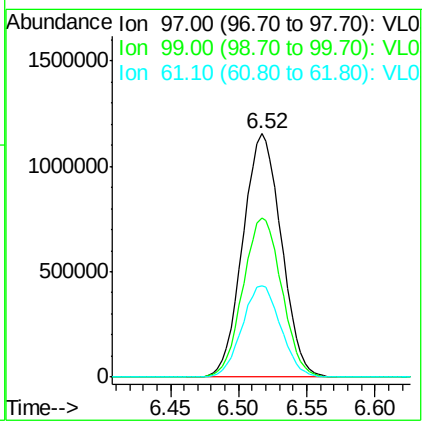


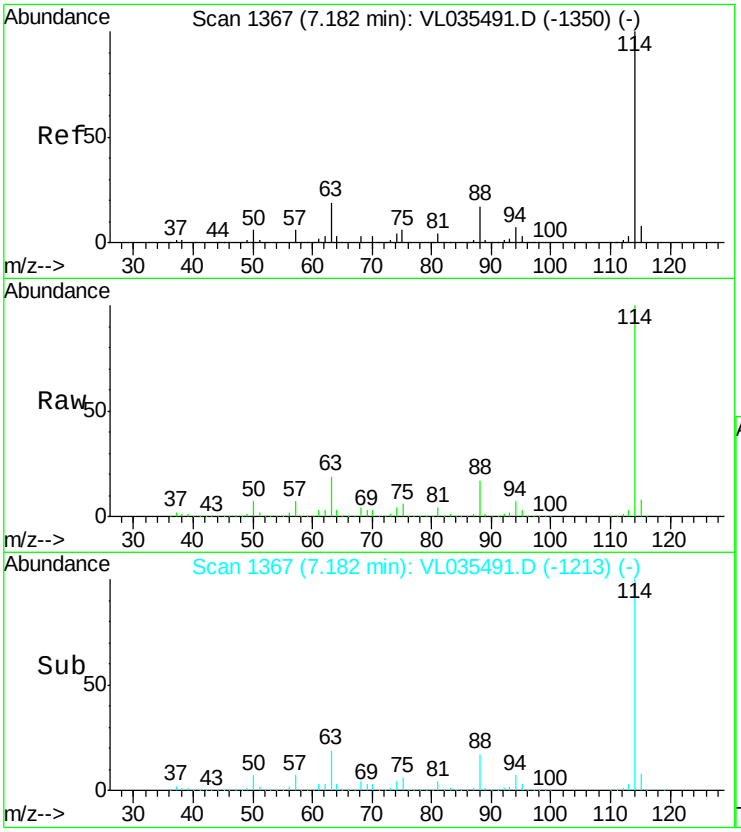


#32
1,1,1-Trichloroethane
Concen: 9.448 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 97 Resp: 2267195

Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.4	77.0
61	37.7	41.0	61.6#



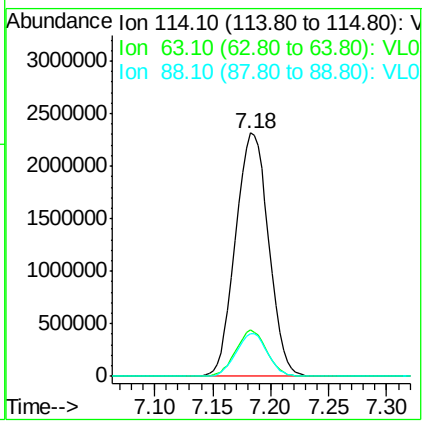


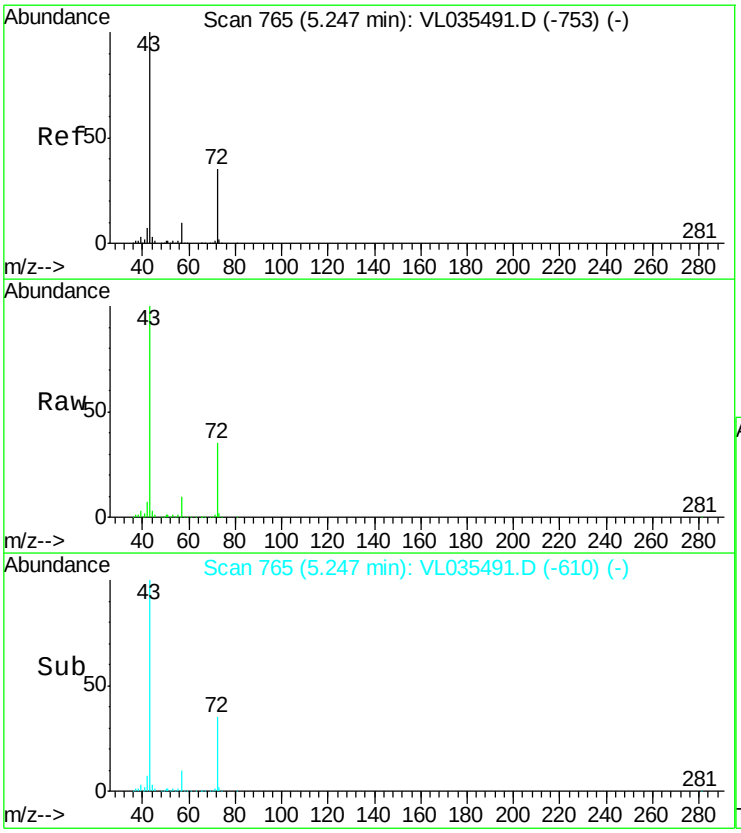
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:114 Resp: 4606236

Ion	Ratio	Lower	Upper
114	100		
63	17.9	23.1	34.7#
88	16.5	15.9	23.9

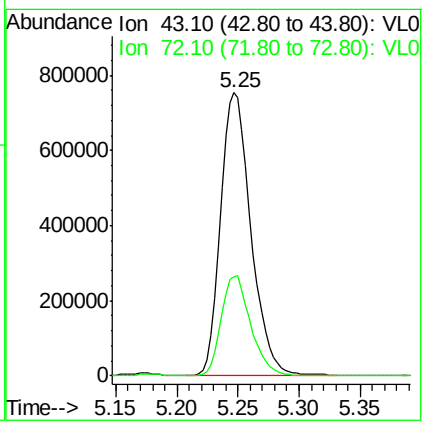


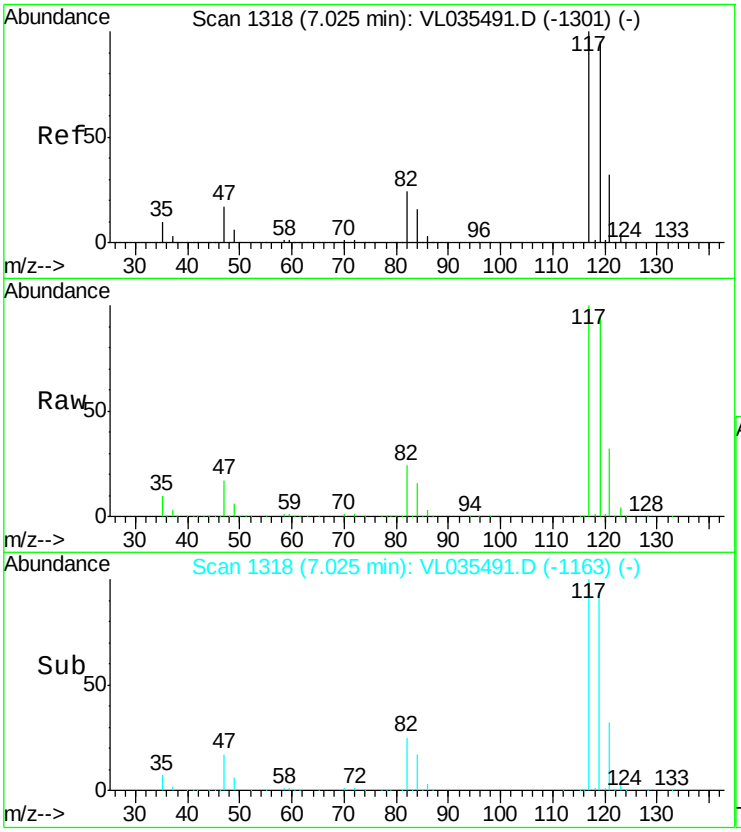


#34
2-Butanone
Concen: 8.535 ppbv
RT: 5.25 min Scan# 765
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 43 Resp: 1313456

Ion	Ratio	Lower	Upper
43	100		
72	34.5	17.6	26.4#



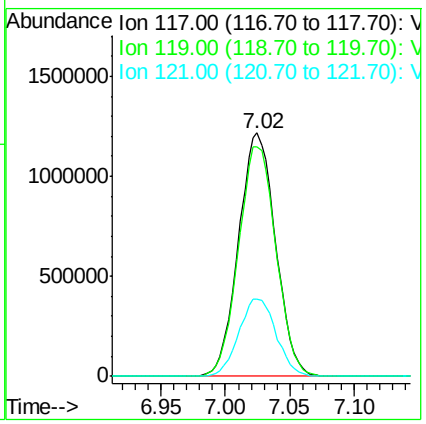


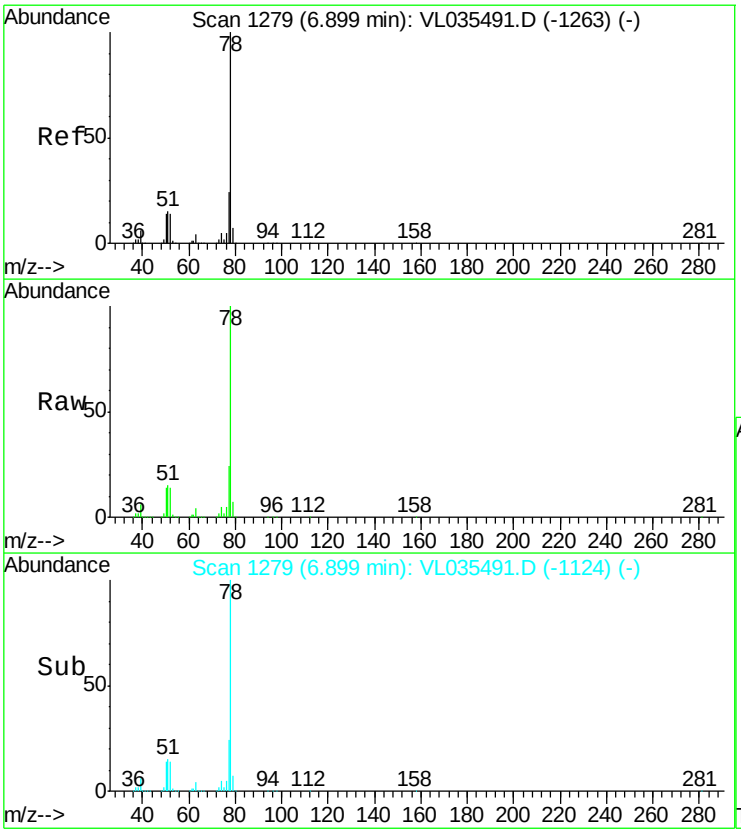
#35
Carbon Tetrachloride
Concen: 9.902 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:117 Resp: 2425880

Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.1	114.1
121	32.0	25.5	38.3

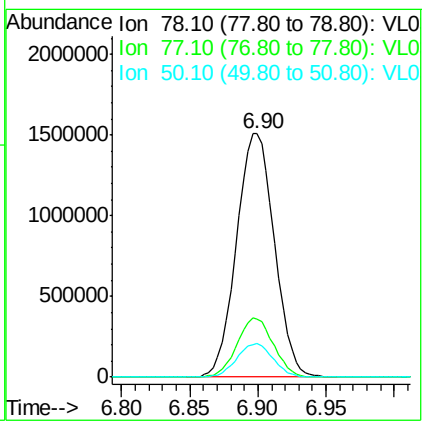


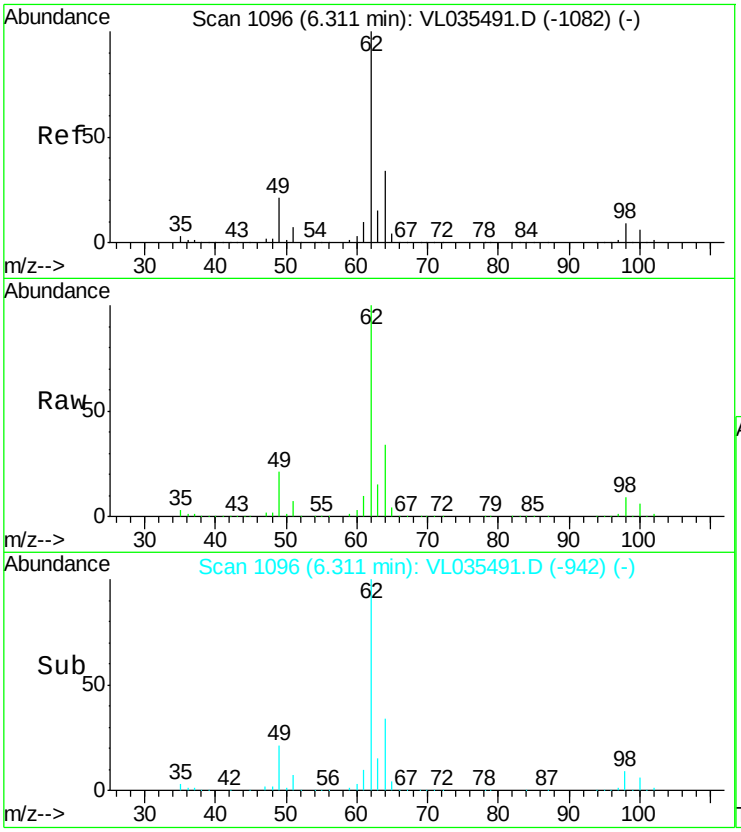


#36
Benzene
Concen: 8.601 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 78 Resp: 2907650

Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.6	29.4
50	13.7	16.3	24.5#



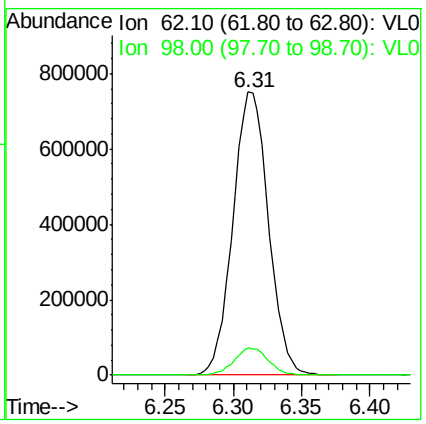


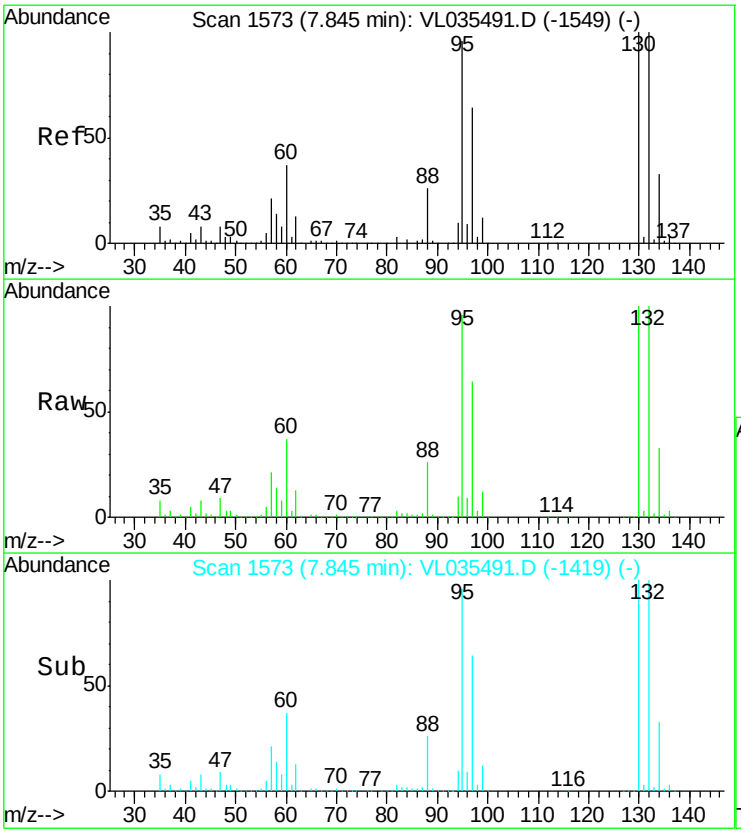
#37
1,2-Dichloroethane
Concen: 8.778 ppbv
RT: 6.31 min Scan# 1096
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 1356207

Ion	Ratio	Lower	Upper
62	100		
98	9.3	4.6	7.0#

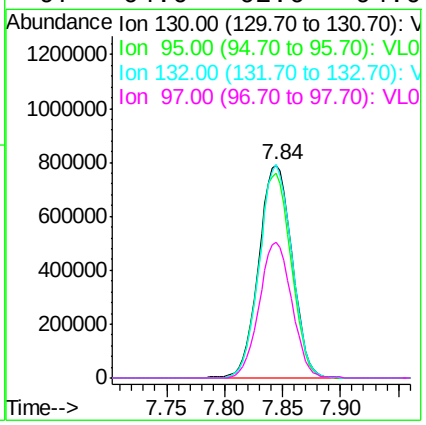


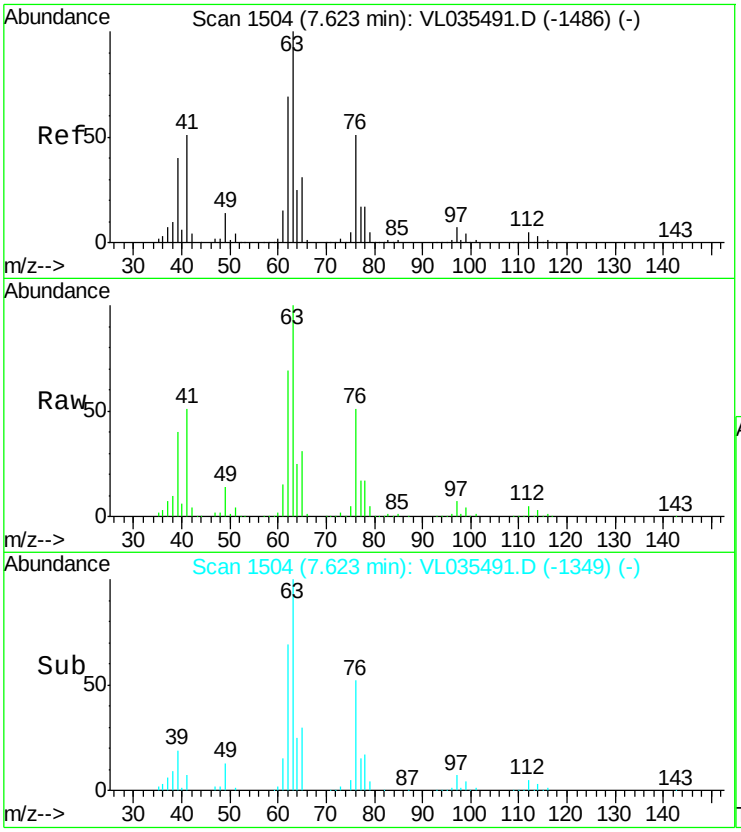


#38
Trichloroethene
Concen: 8.406 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion:130 Resp: 1580707

Ion	Ratio	Lower	Upper
130	100		
95	96.1	95.8	143.8
132	100.3	74.3	111.5
97	64.0	62.6	94.0



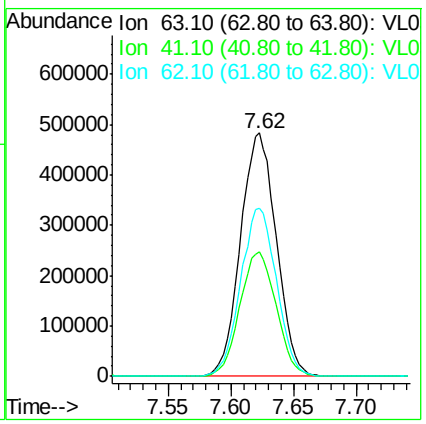


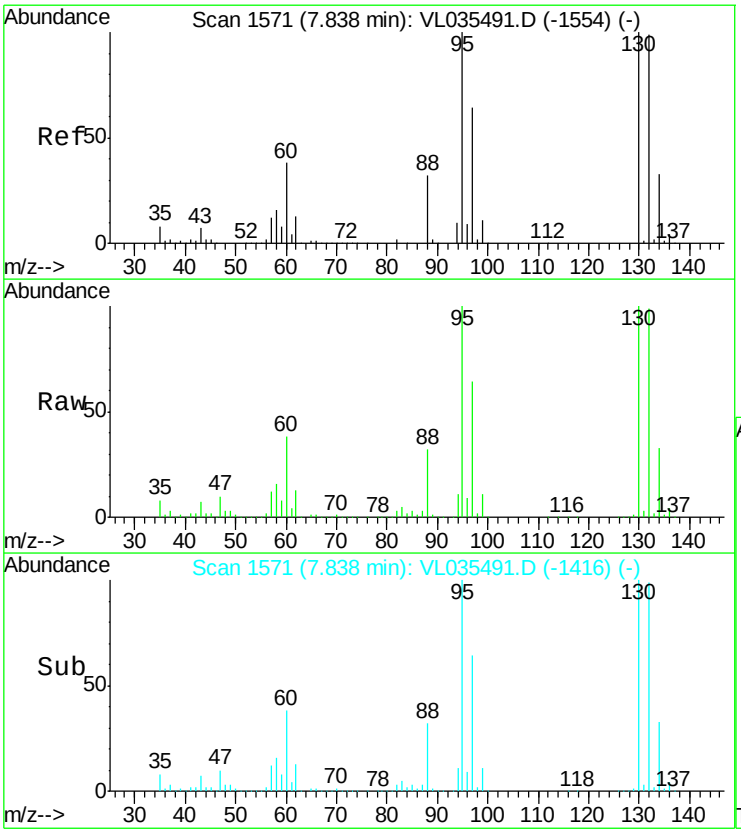
#39
1,2-Dichloropropane
Concen: 8.630 ppbv
RT: 7.62 min Scan# 1504
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 63 Resp: 961531

Ion	Ratio	Lower	Upper
63	100		
41	51.1	61.1	91.7#
62	69.1	55.3	82.9

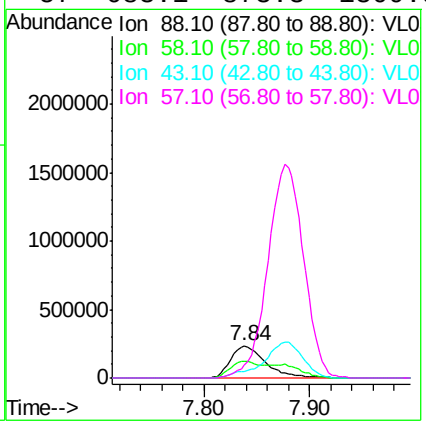


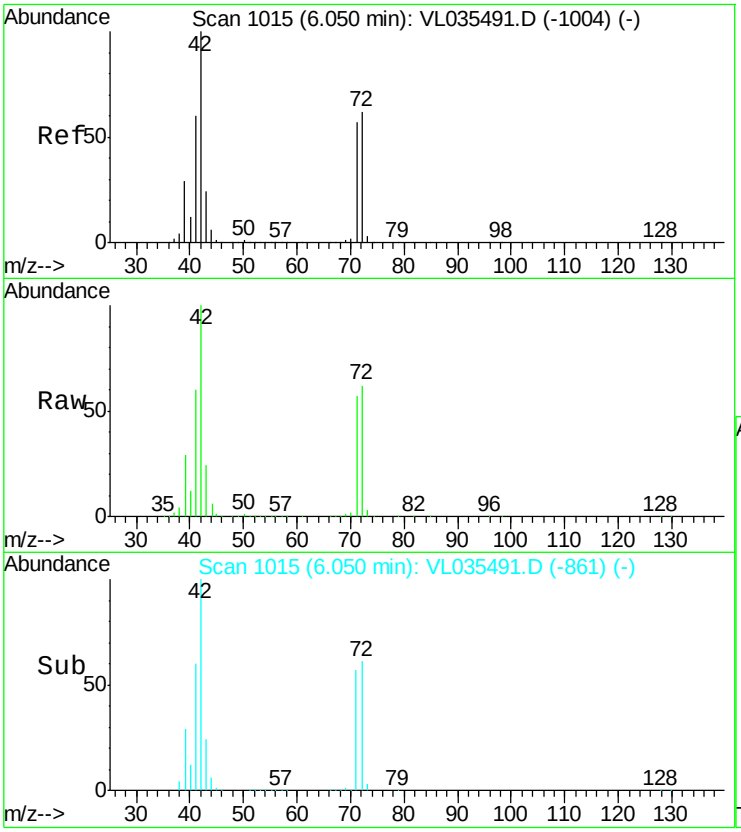


#40
1,4-Dioxane
Concen: 8.876 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 88 Resp: 538732

Ion	Ratio	Lower	Upper
88	100		
58	85.1	106.6	160.0#
43	126.2	209.7	314.5#
57	683.1	873.3	1309.9#



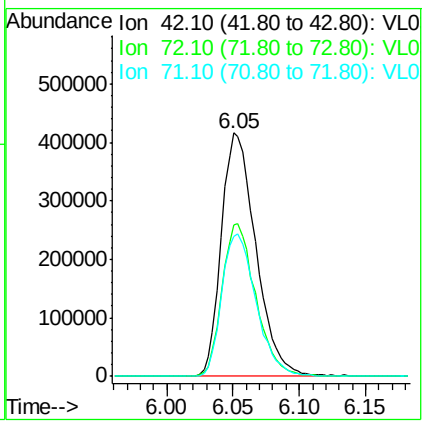


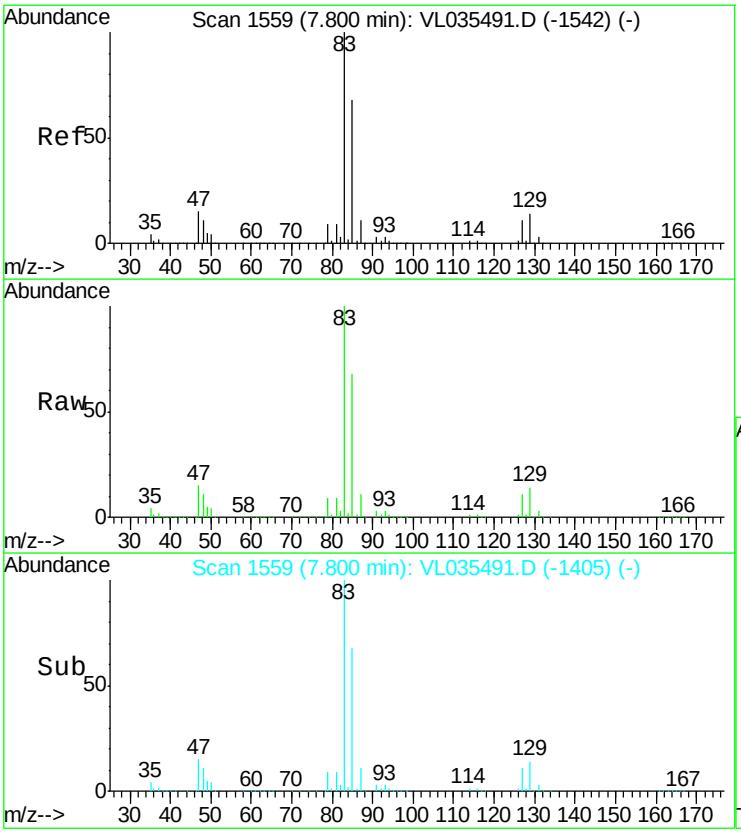
#41
Tetrahydrofuran
Concen: 8.866 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 42 Resp: 752666

Ion	Ratio	Lower	Upper
42	100		
72	61.4	29.4	44.2#
71	58.4	28.9	43.3#

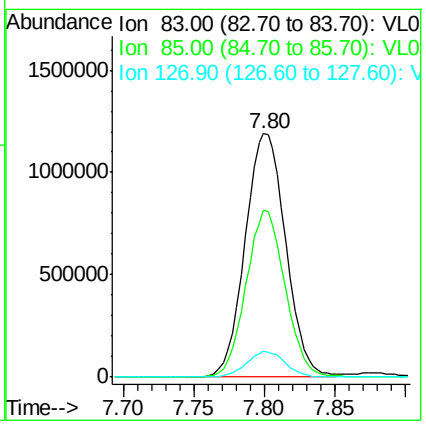


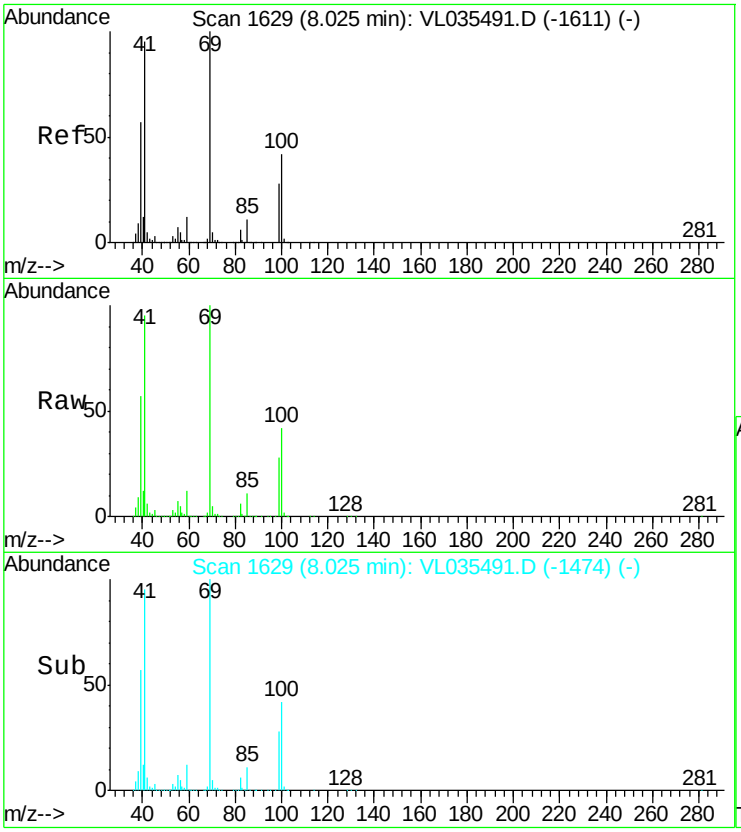


#42
Bromodichloromethane
Concen: 9.245 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 83 Resp: 2390263

Ion	Ratio	Lower	Upper
83	100		
85	68.5	54.8	82.2
127	10.8	6.1	9.1#



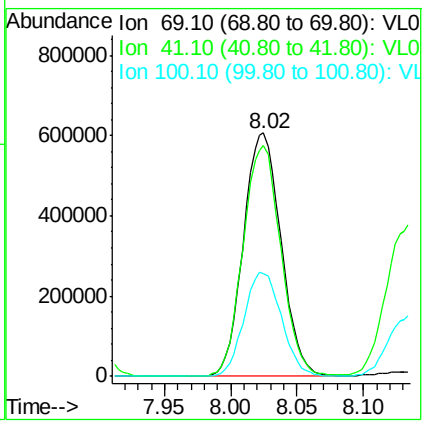


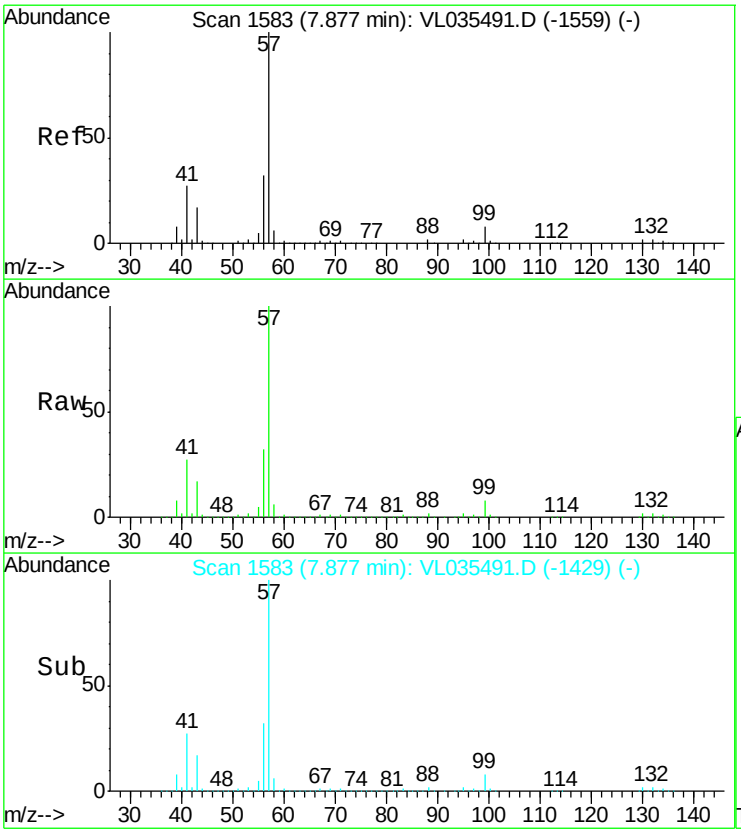
#43
Methyl Methacrylate
Concen: 9.049 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 69 Resp: 1196310

Ion	Ratio	Lower	Upper
69	100		
41	95.1	123.4	185.0#
100	42.8	24.2	36.4#

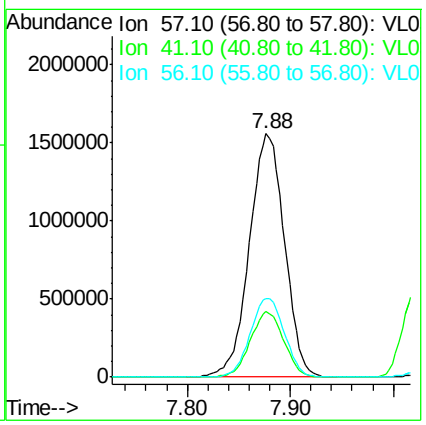


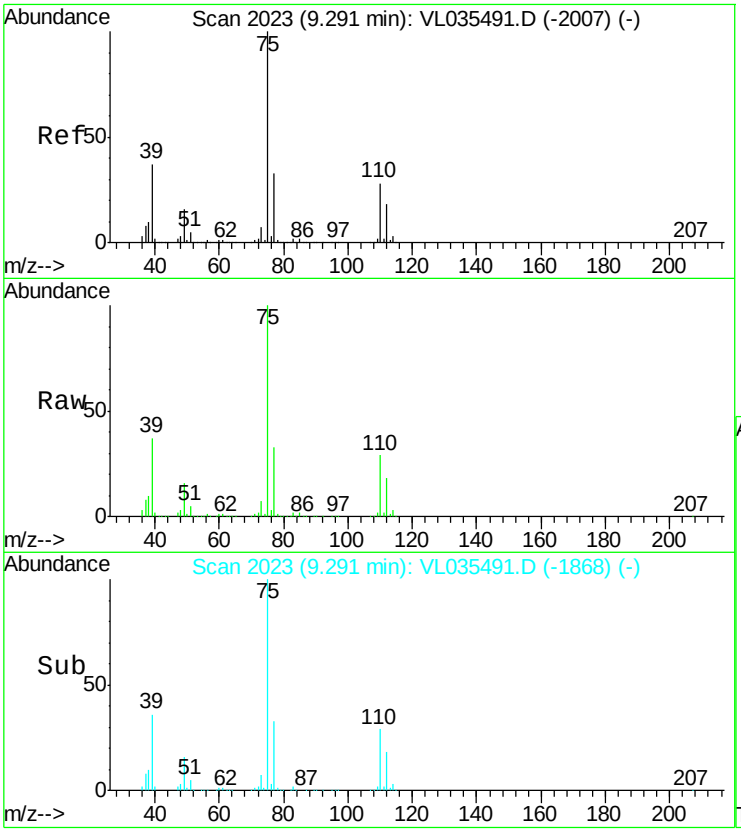


#44
2,2,4-Trimethylpentane
Concen: 8.329 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 57 Resp: 3677023

Ion	Ratio	Lower	Upper
57	100		
41	25.9	27.2	40.8#
56	31.6	25.4	38.0



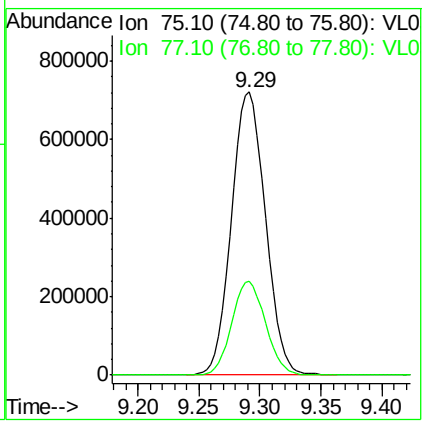


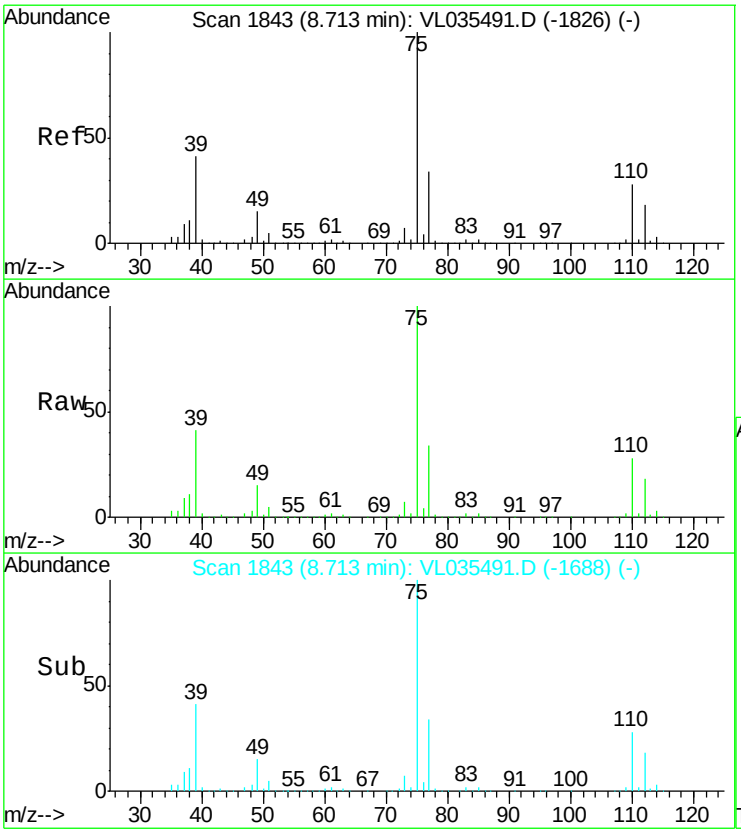
#45
t-1,3-Dichloropropene
Concen: 10.238 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 1394255

Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.0	37.6

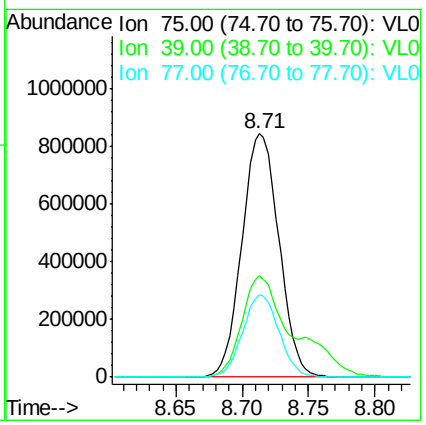


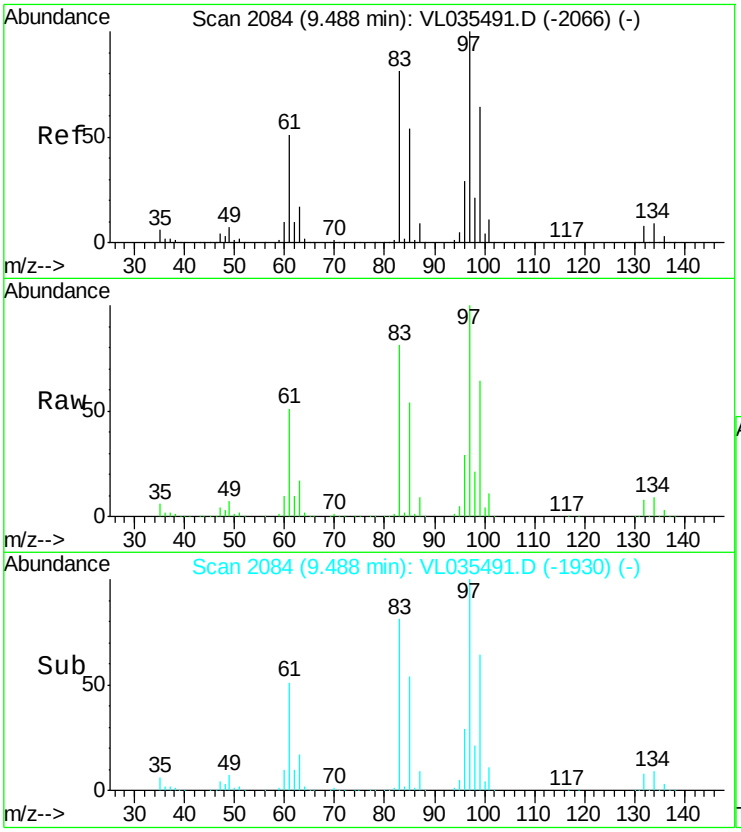


#46
cis-1,3-Dichloropropene
Concen: 9.685 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 75 Resp: 1643056

Ion	Ratio	Lower	Upper
75	100		
39	41.5	55.8	83.6#
77	33.9	25.6	38.4



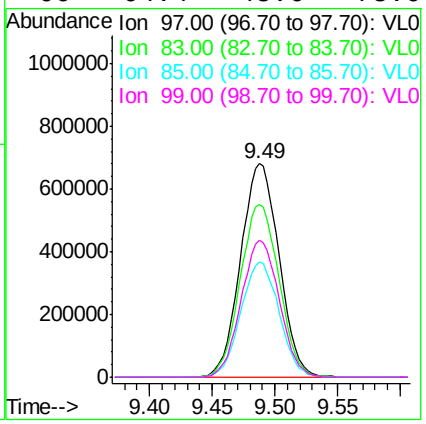


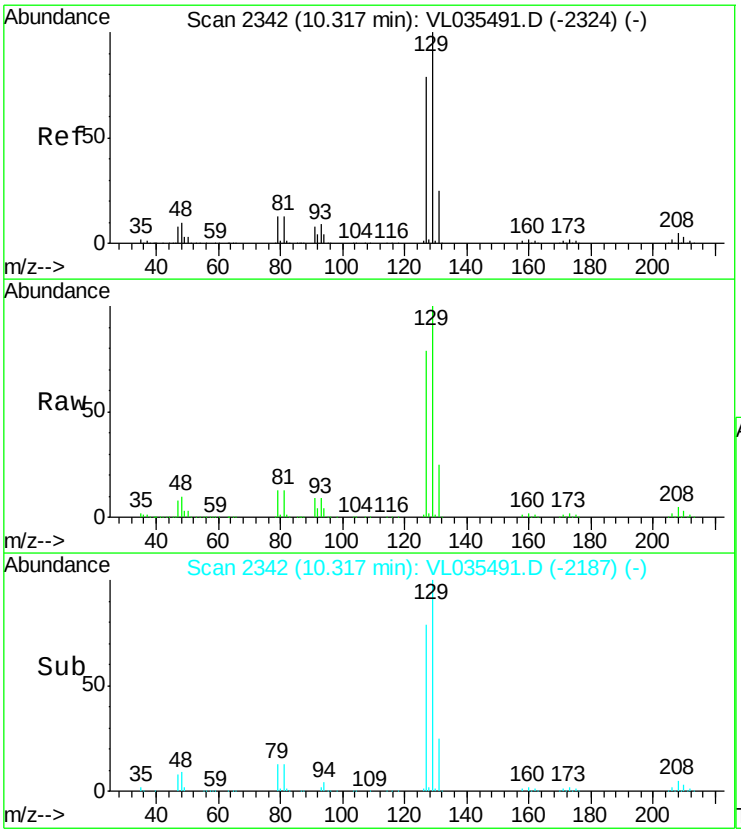
#47
1,1,2-Trichloroethane
Concen: 8.726 ppbv
RT: 9.49 min Scan# 2084
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 97 Resp: 1452248

Ion	Ratio	Lower	Upper
97	100		
83	81.1	72.1	108.1
85	53.9	46.8	70.2
99	64.4	48.6	73.0

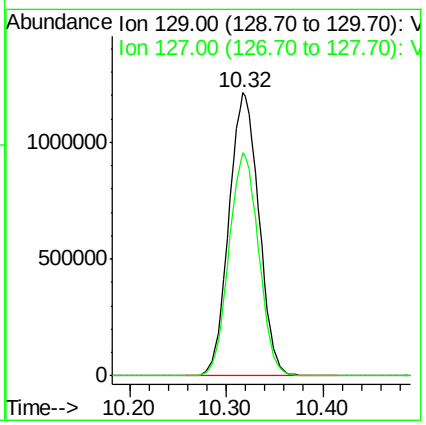


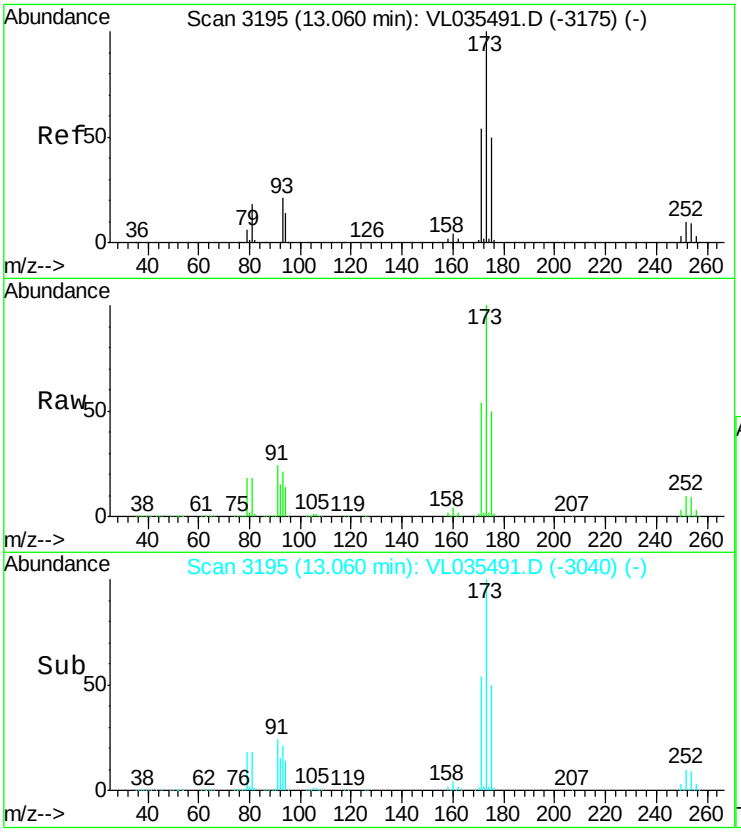


#48
Dibromochloromethane
Concen: 9.322 ppbv
RT: 10.32 min Scan# 2342
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion:129 Resp: 2602433

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.5	118.5



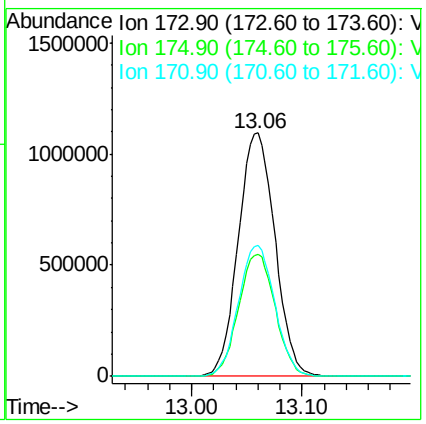


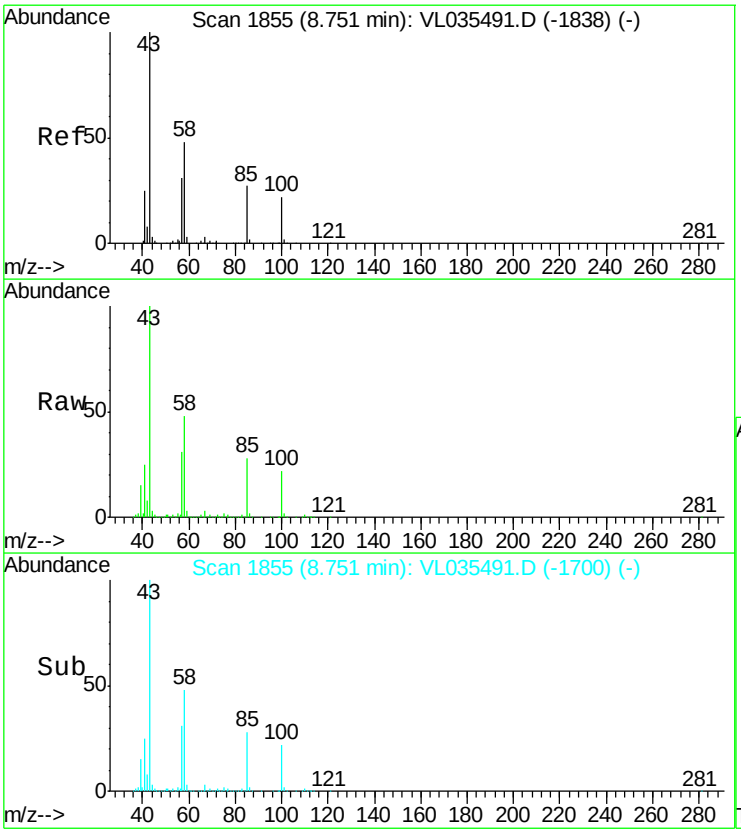
#49
Bromoform
Concen: 9.394 ppbv
RT: 13.06 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:173 Resp: 2526629

Ion	Ratio	Lower	Upper
173	100		
175	50.3	39.8	59.8
171	53.4	42.4	63.6

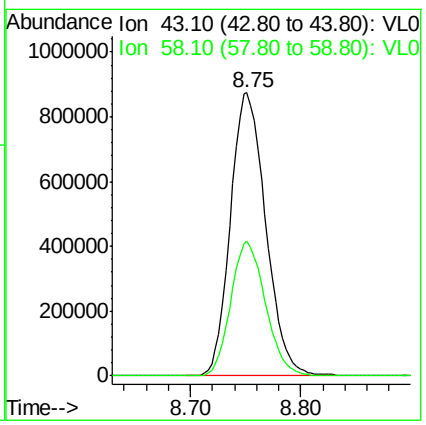


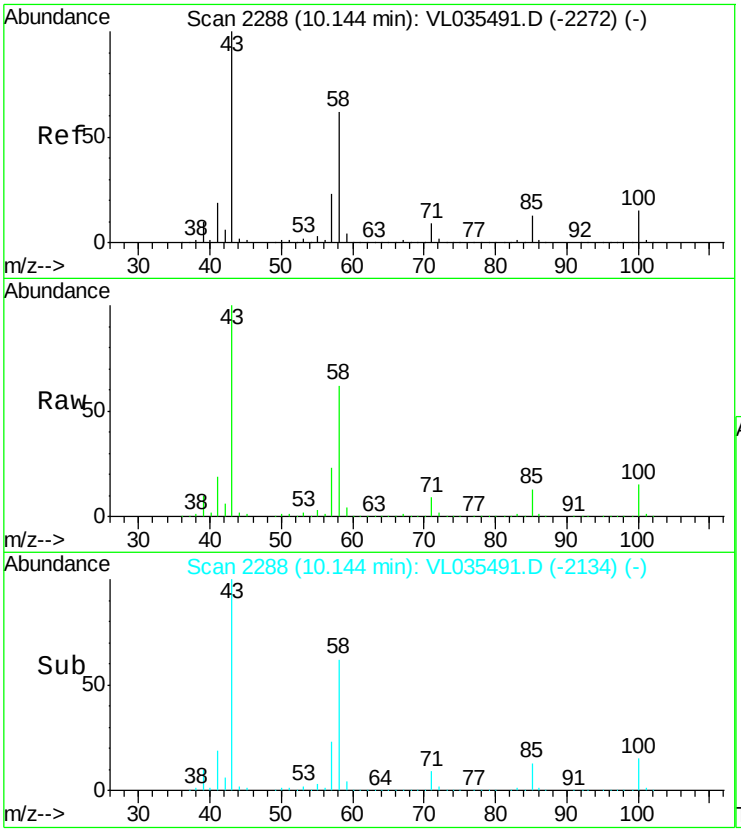


#50
4-Methyl-2-Pentanone
Concen: 8.792 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 43 Resp: 1940998

Ion	Ratio	Lower	Upper
43	100		
58	46.8	28.7	43.1#



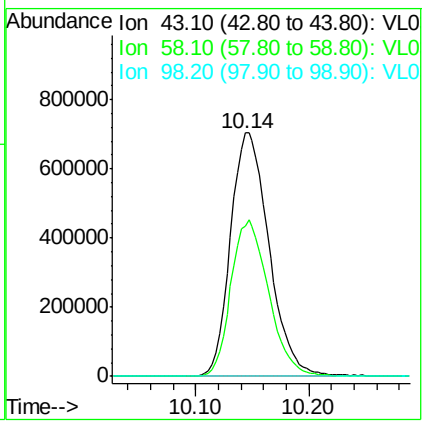


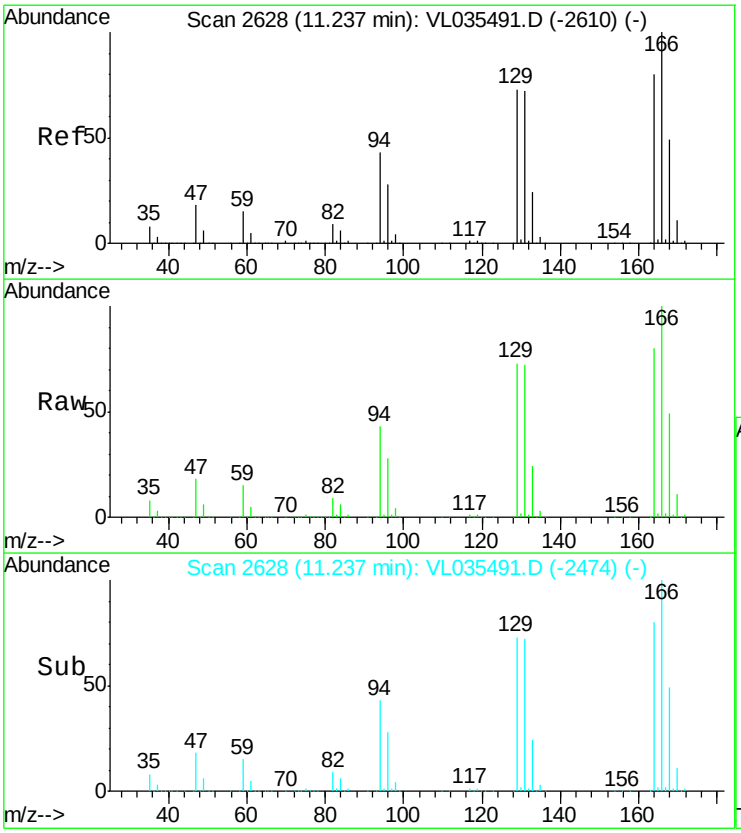
#51
2-Hexanone
Concen: 8.946 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1664718

Ion	Ratio	Lower	Upper
43	100		
58	62.9	38.6	58.0#
98	0.5	0.2	0.2#

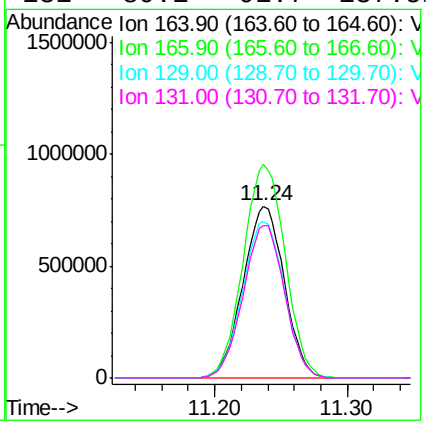


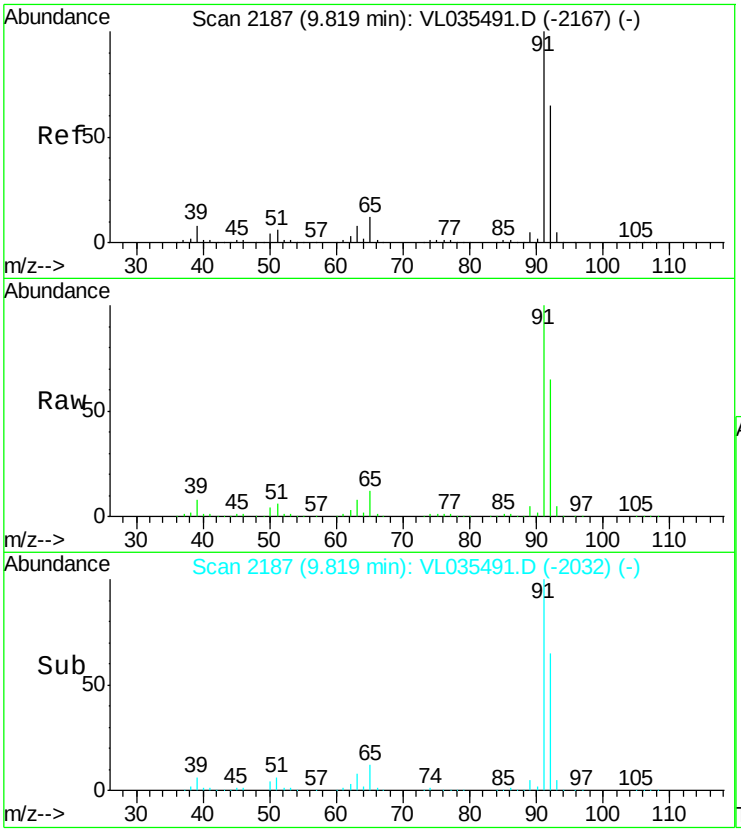


#52
Tetrachloroethene
Concen: 8.060 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion:164 Resp: 1662106

Ion	Ratio	Lower	Upper
164	100		
166	124.5	103.4	155.0
129	91.0	90.2	135.4
131	89.1	91.7	137.5#



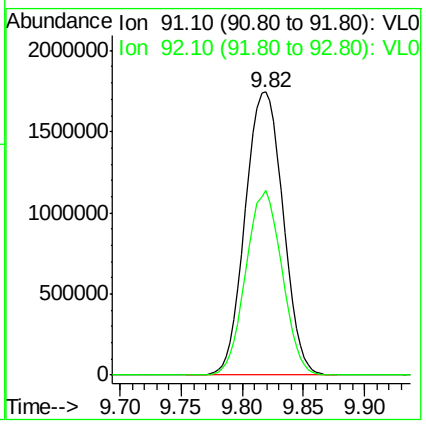


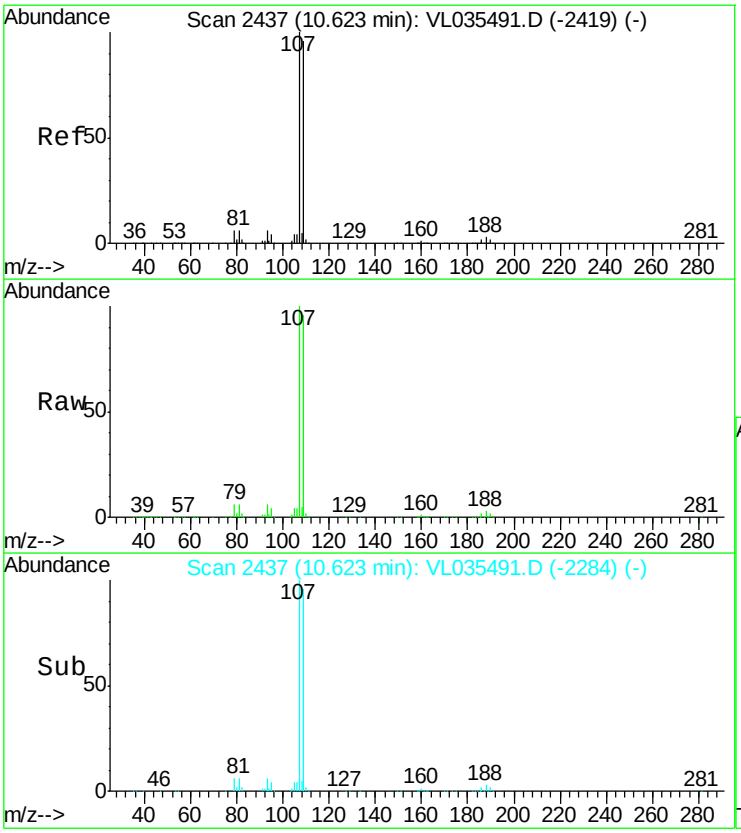
#53
Toluene
Concen: 8.606 ppbv
RT: 9.82 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 3747382

Ion	Ratio	Lower	Upper
91	100		
92	62.4	49.1	73.7

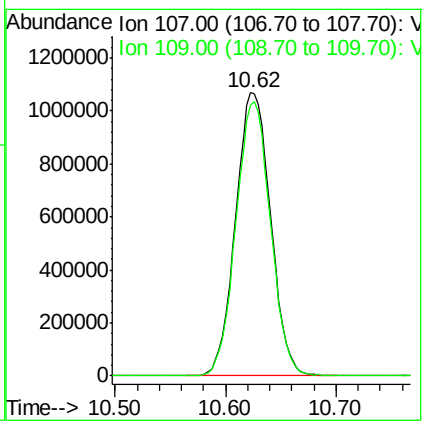


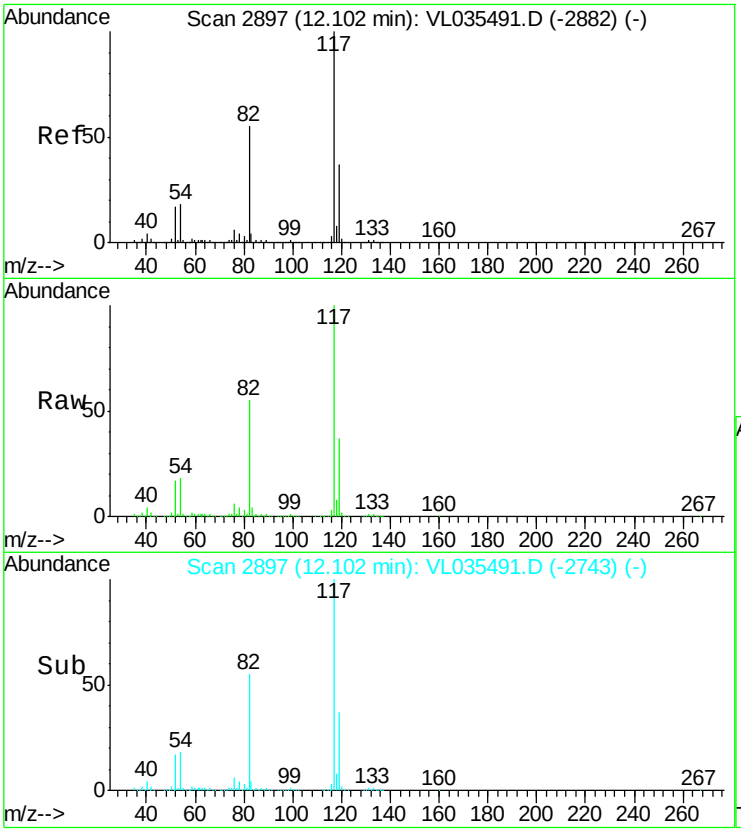


#54
1,2-Dibromoethane
Concen: 8.688 ppbv
RT: 10.62 min Scan# 2437
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion:107 Resp: 2348231

Ion	Ratio	Lower	Upper
107	100		
109	95.6	75.1	112.7



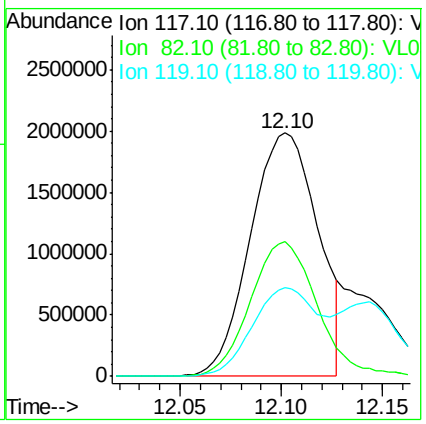


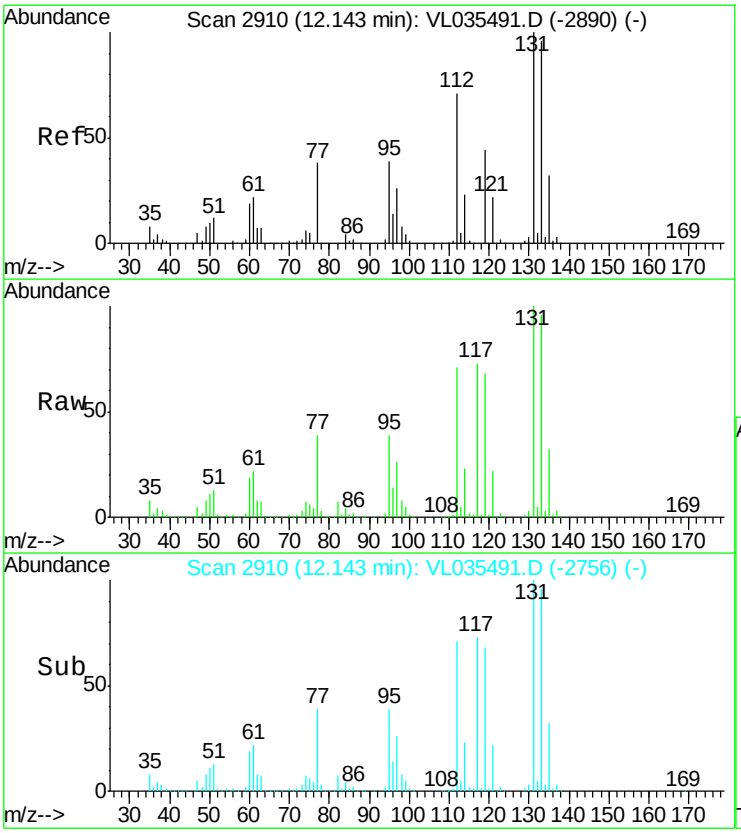
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 4603041

Ion	Ratio	Lower	Upper
117	100		
82	54.9	57.4	86.0#
119	38.0	28.4	42.6

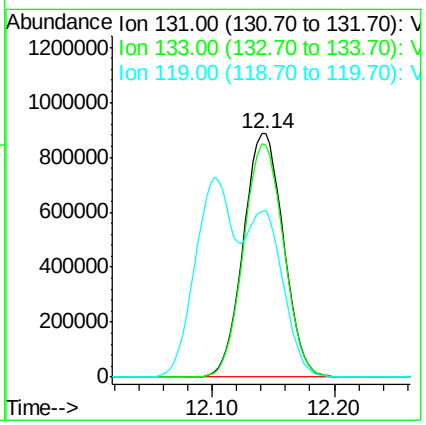


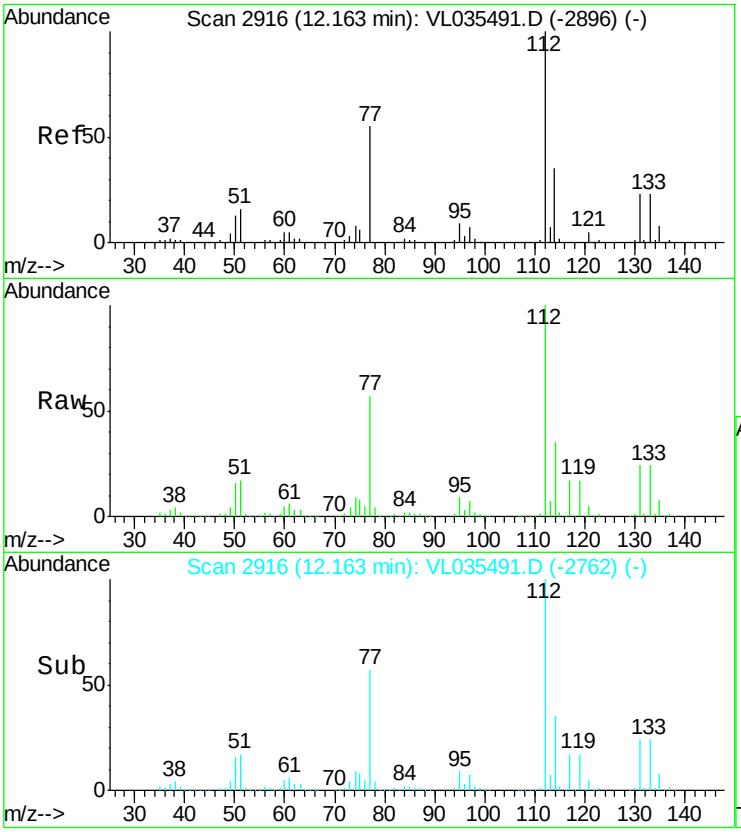


#56
1,1,1,2-Tetrachloroethane
Concen: 9.211 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion:131 Resp: 2011282

Ion	Ratio	Lower	Upper
131	100		
133	96.1	76.1	114.1
119	56.6	50.7	76.1



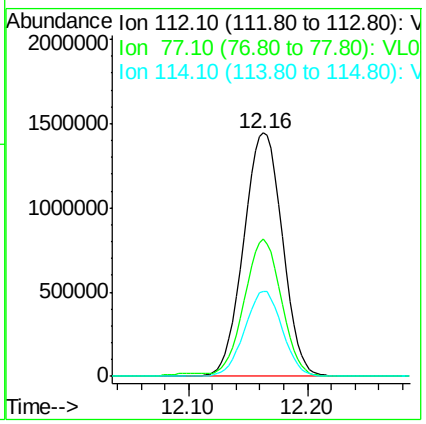


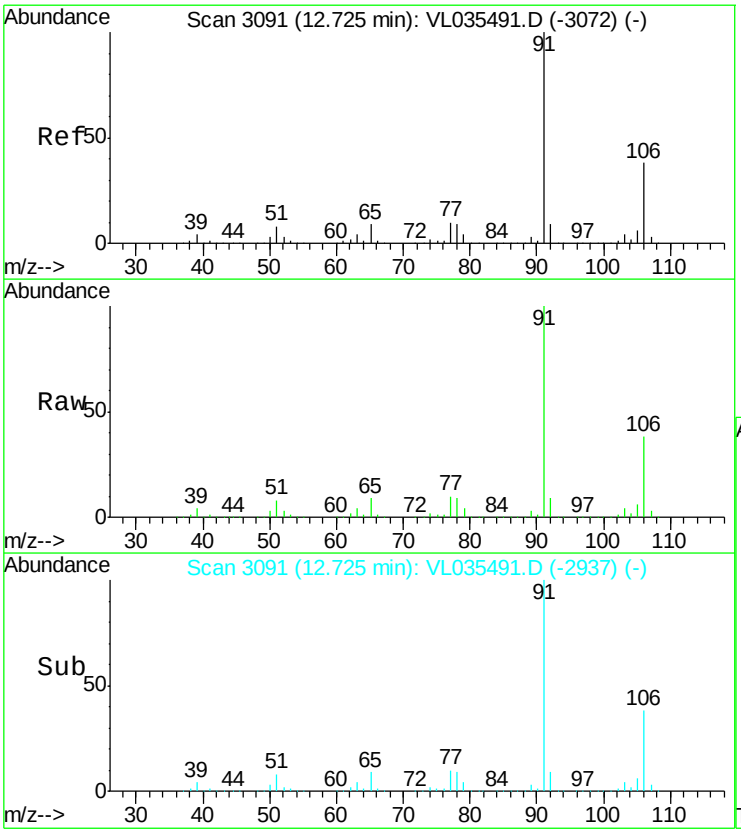
#57
Chlorobenzene
Concen: 8.488 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:112 Resp: 3261248

Ion	Ratio	Lower	Upper
112	100		
77	56.5	60.6	91.0#
114	35.1	28.5	34.9#

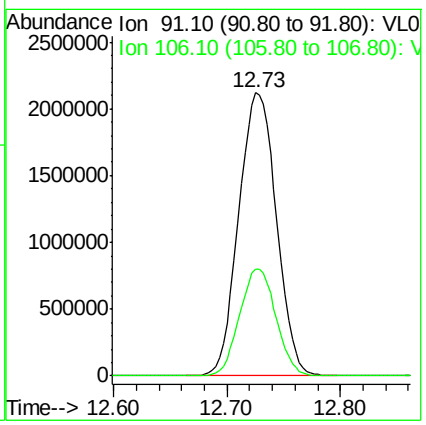


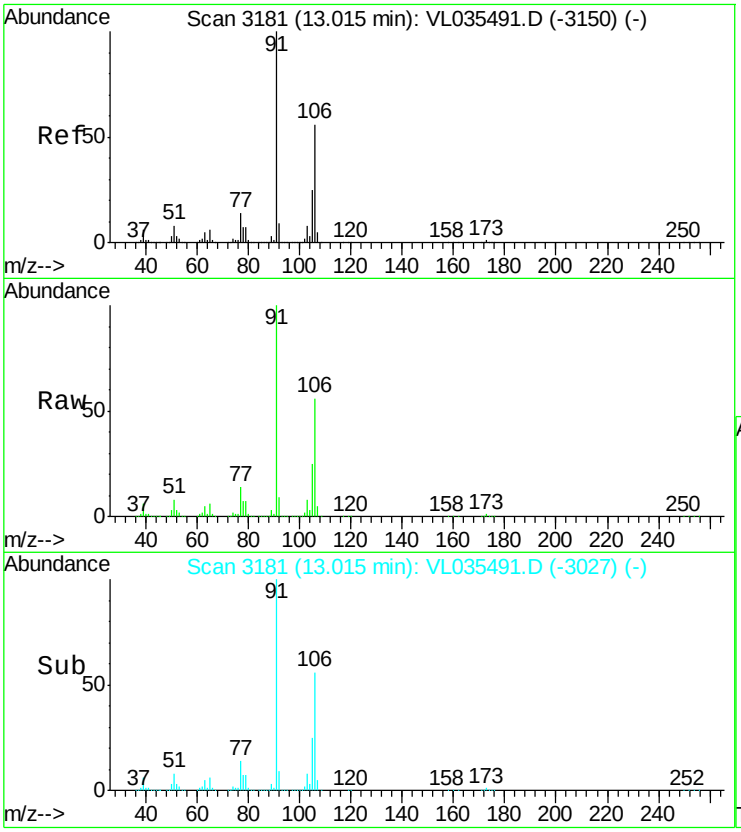


#58
Ethyl Benzene
Concen: 8.835 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 91 Resp: 4909329

Ion	Ratio	Lower	Upper
91	100		
106	37.7	24.1	36.1#



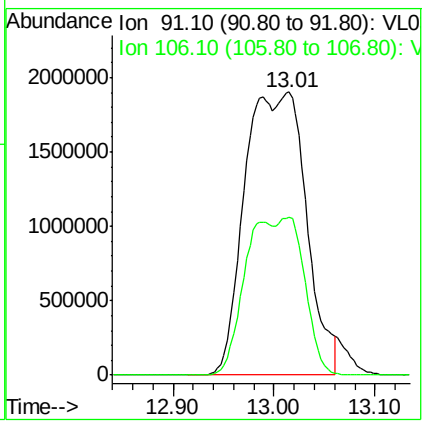


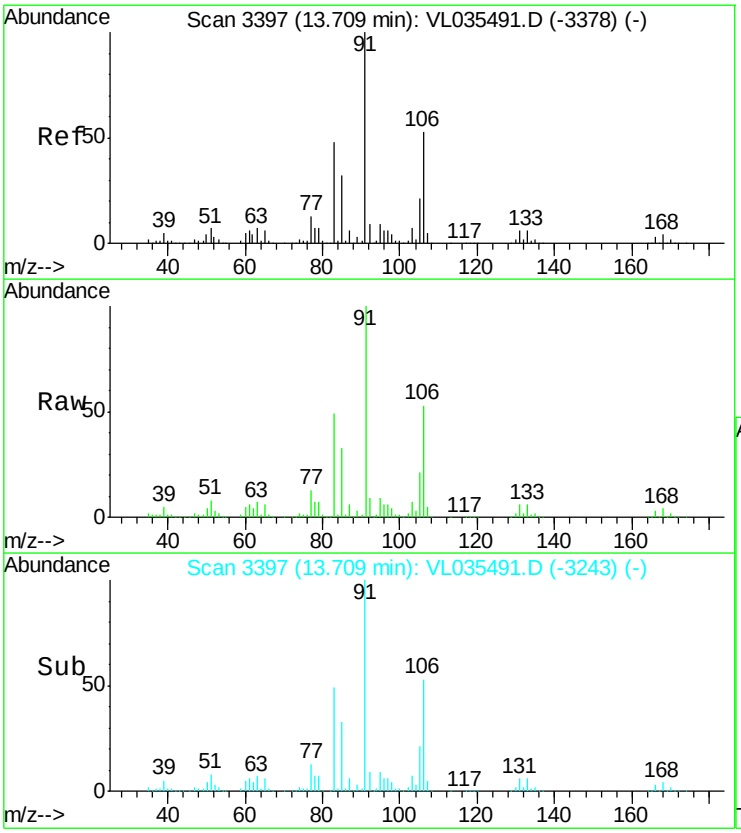
#59
m/p-Xylene
Concen: 17.066 ppbv m
RT: 13.01 min Scan# 3181
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 91 Resp: 8016216

Ion	Ratio	Lower	Upper
91	100		
106	53.2	34.0	51.0#

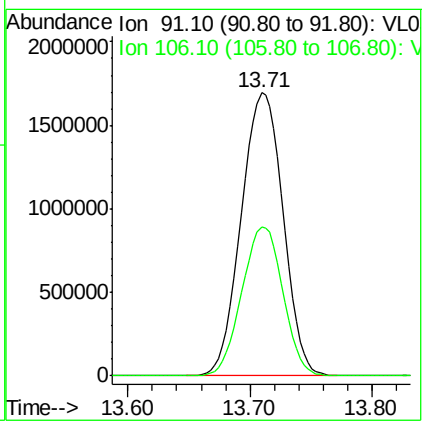


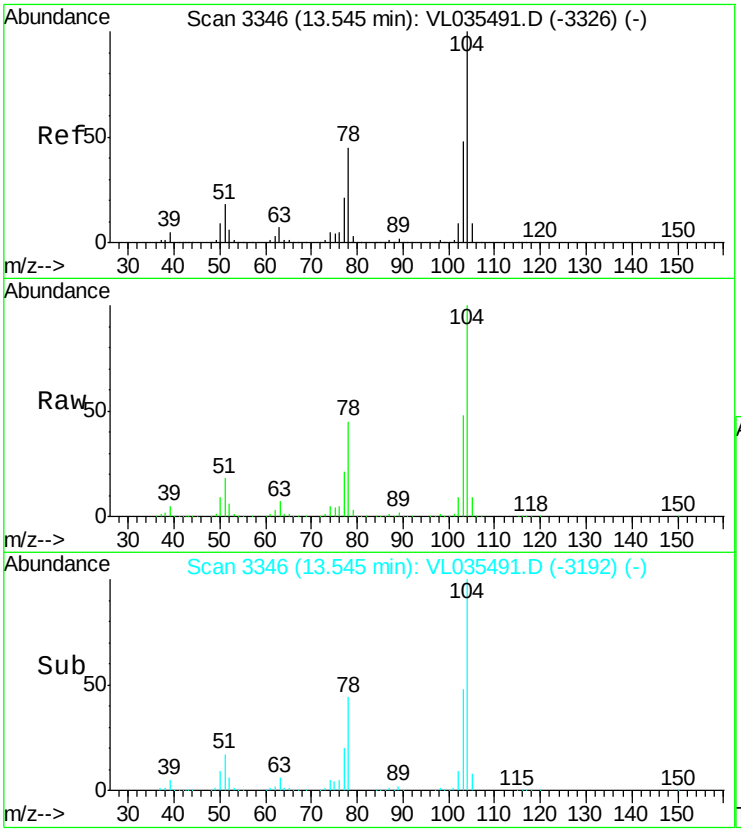


#60
o-Xylene
Concen: 8.814 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 91 Resp: 4023610

Ion	Ratio	Lower	Upper
91	100		
106	51.8	21.8	65.3



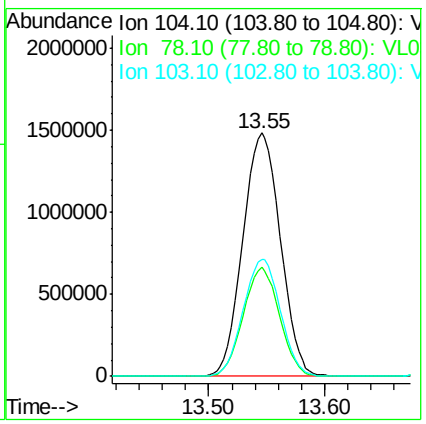


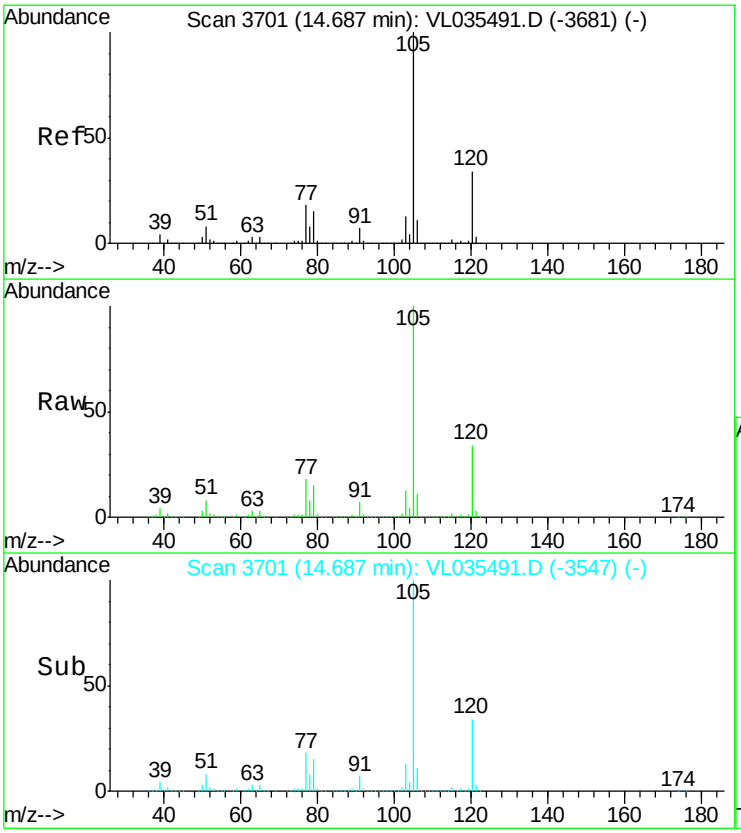
#61
Stvrene
Concen: 9.091 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 3353586

Ion	Ratio	Lower	Upper
104	100		
78	43.4	45.4	68.2#
103	47.7	37.8	56.8

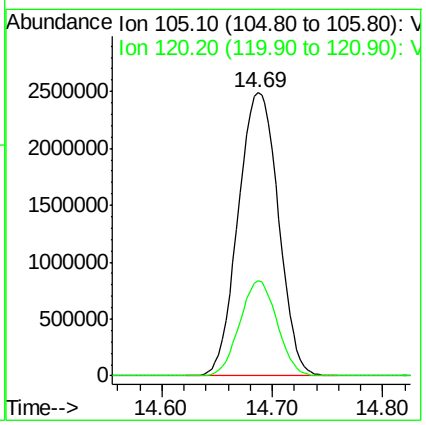


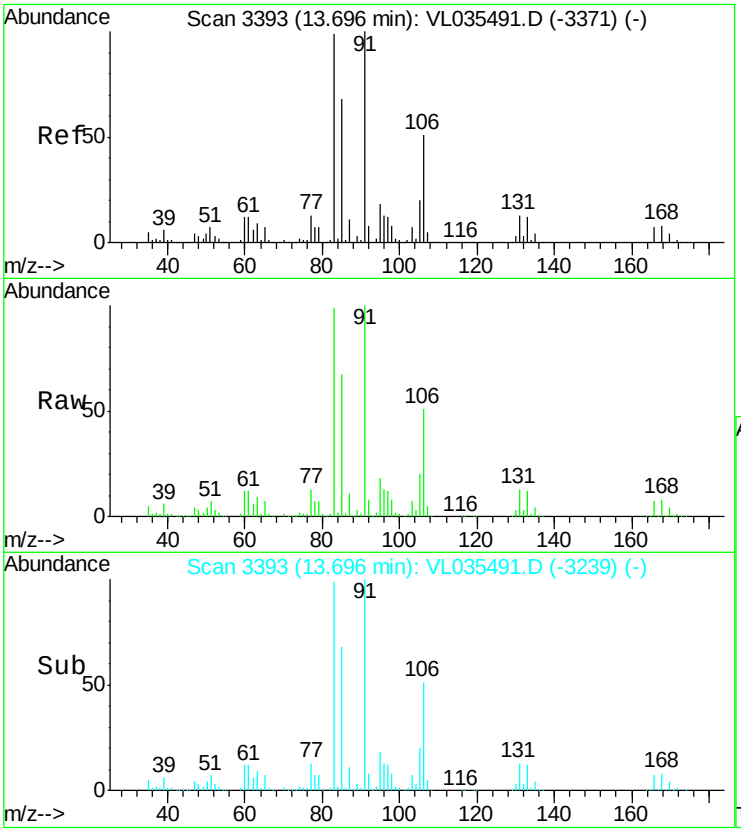


#62
Isopropylbenzene
Concen: 8.416 ppbv
RT: 14.69 min Scan# 3701
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion:105 Resp: 6297181

Ion	Ratio	Lower	Upper
105	100		
120	31.2	20.3	30.5#



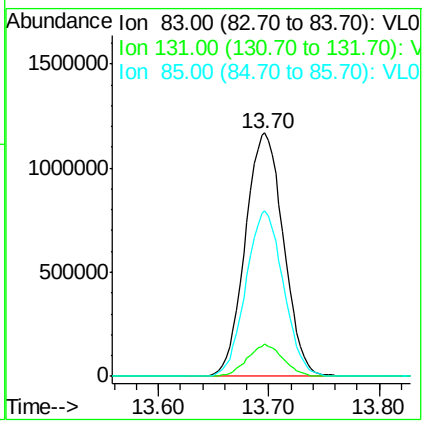


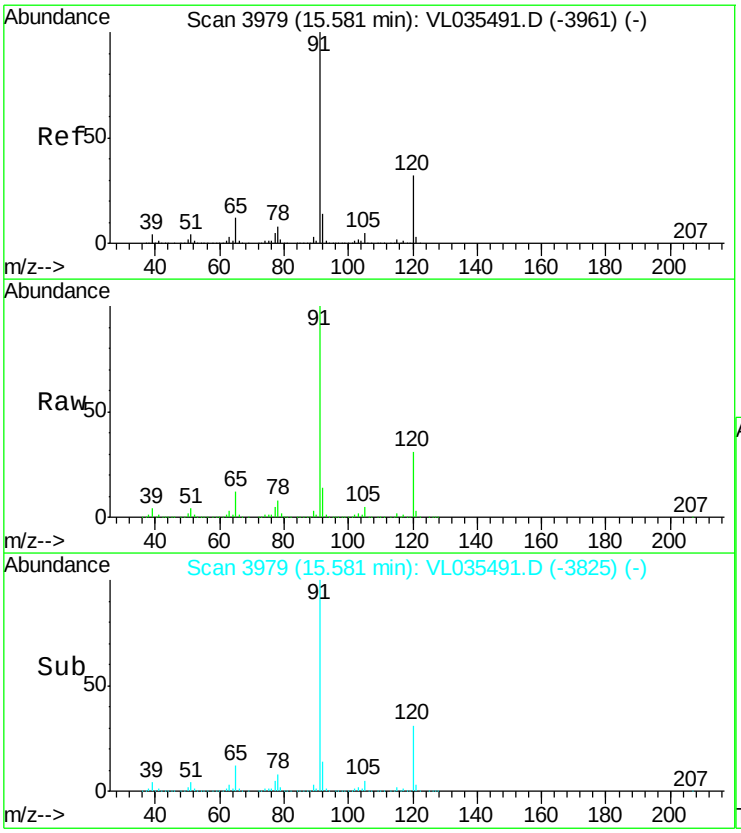
#63
1,1,2,2-Tetrachloroethane
Concen: 8.573 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 2811397

Ion	Ratio	Lower	Upper
83	100		
131	12.3	4.5	13.4
85	66.8	32.7	98.1

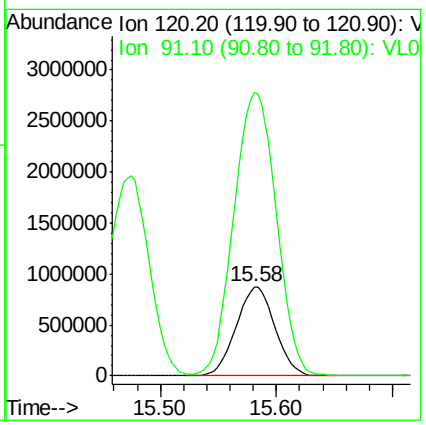


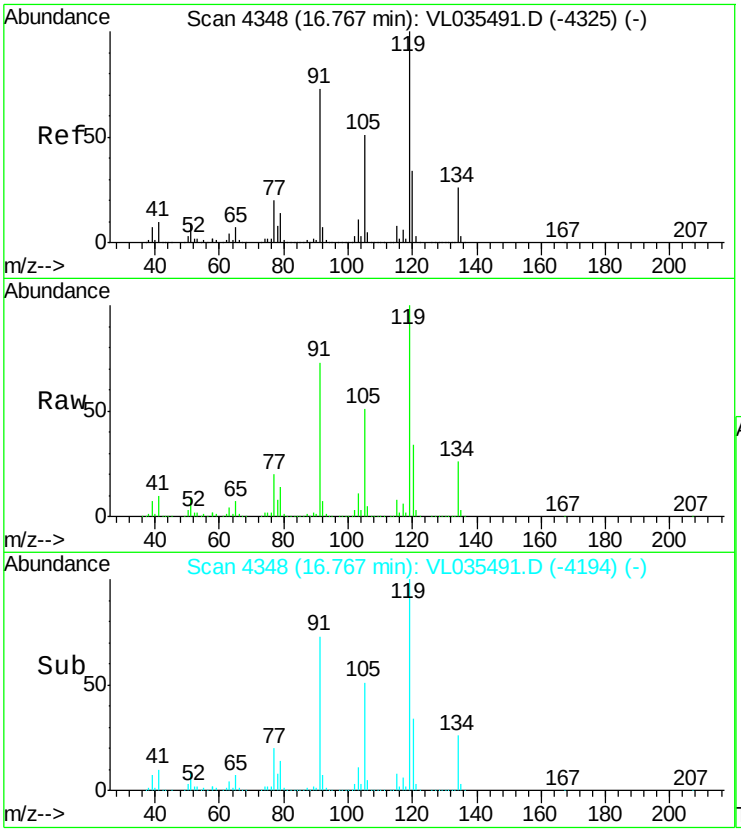


#64
n-propylbenzene
Concen: 8.772 ppbv
RT: 15.58 min Scan# 3979
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion:120 Resp: 2023032

Ion	Ratio	Lower	Upper
120	100		
91	350.4	385.5	578.3#



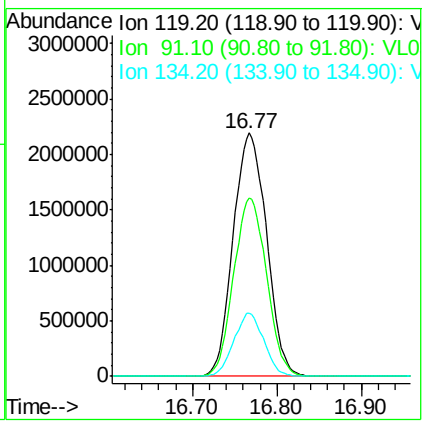


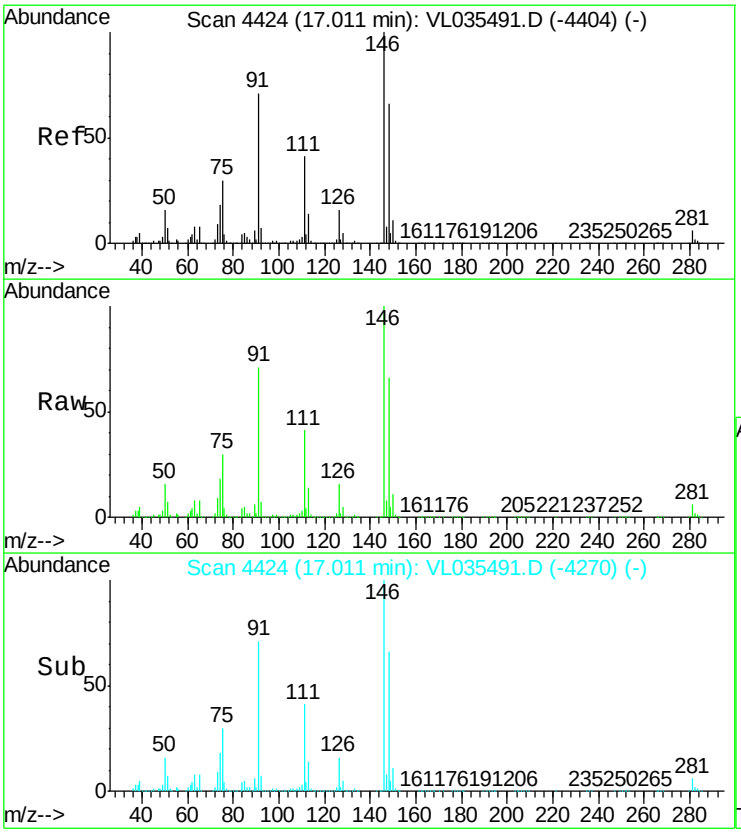
#65
tert-Butylbenzene
Concen: 8.302 ppbv
RT: 16.77 min Scan# 4348
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:119 Resp: 6036254

Ion	Ratio	Lower	Upper
119	100		
91	72.3	72.0	108.0
134	23.5	15.7	23.5

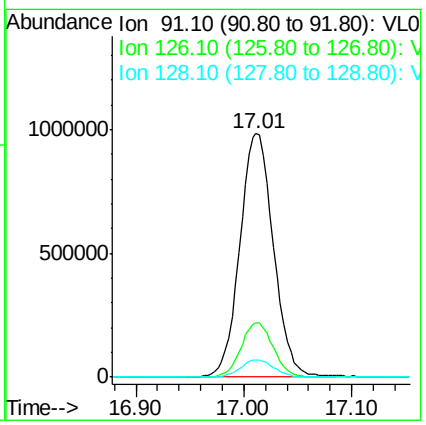


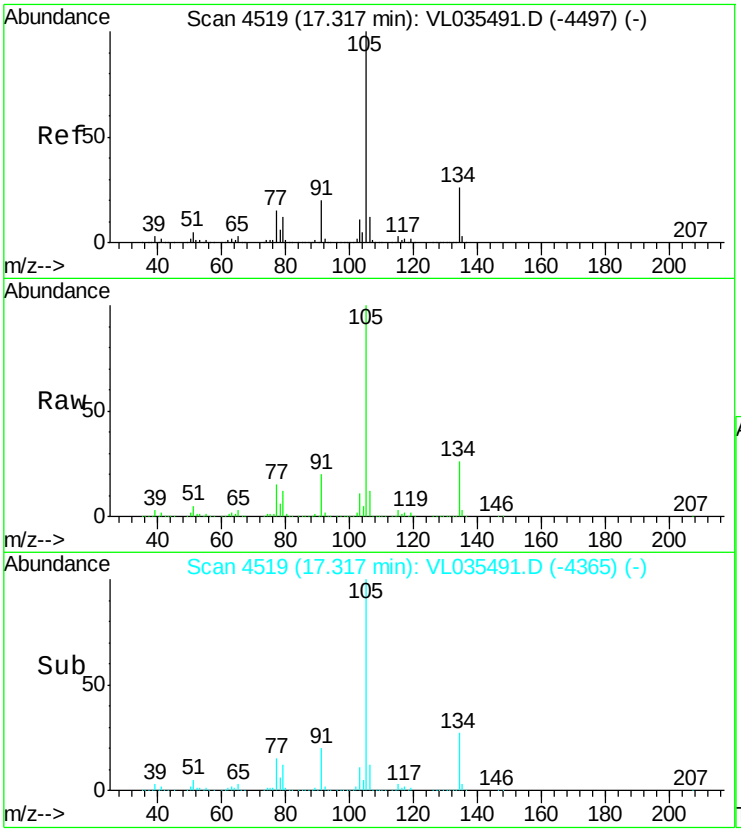


#66
Benzyl Chloride
Concen: 12.148 ppbv
RT: 17.01 min Scan# 4424
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 91 Resp: 2124657

Ion	Ratio	Lower	Upper
91	100		
126	21.6	13.3	19.9#
128	7.0	4.1	6.1#



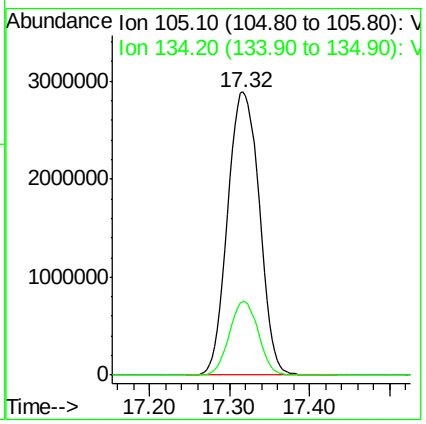


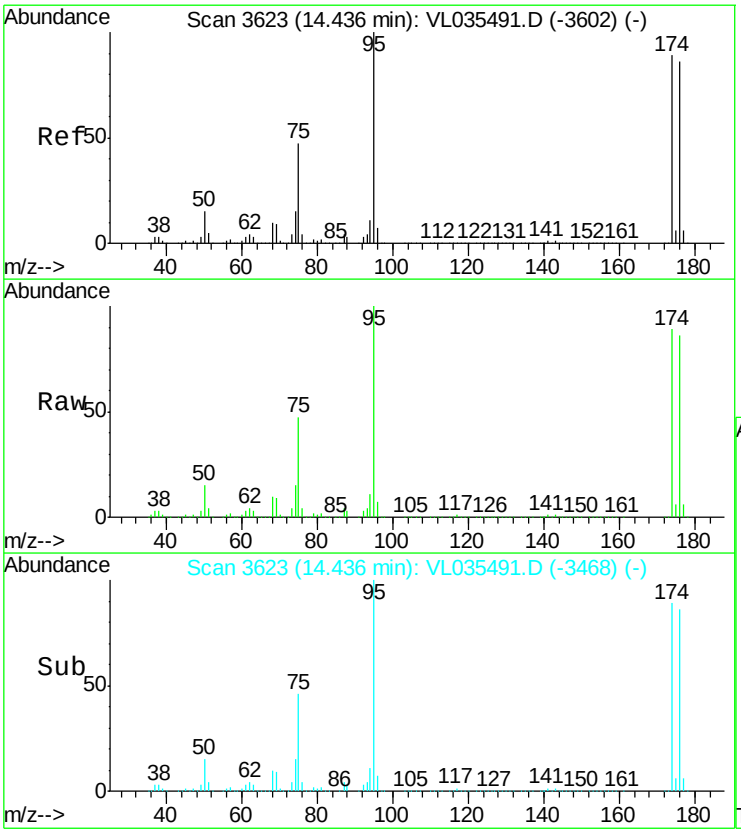
#67
sec-Butylbenzene
Concen: 8.132 ppbv
RT: 17.32 min Scan# 4519
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 7781650

Ion	Ratio	Lower	Upper
105	100		
134	23.9	14.1	21.1#

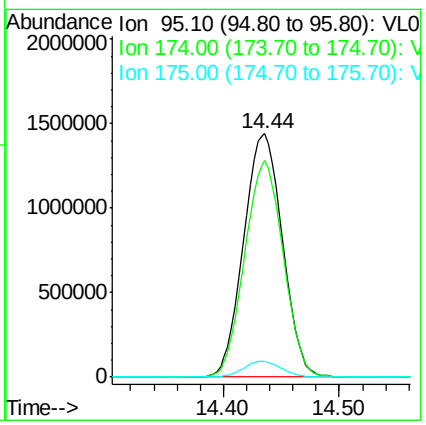


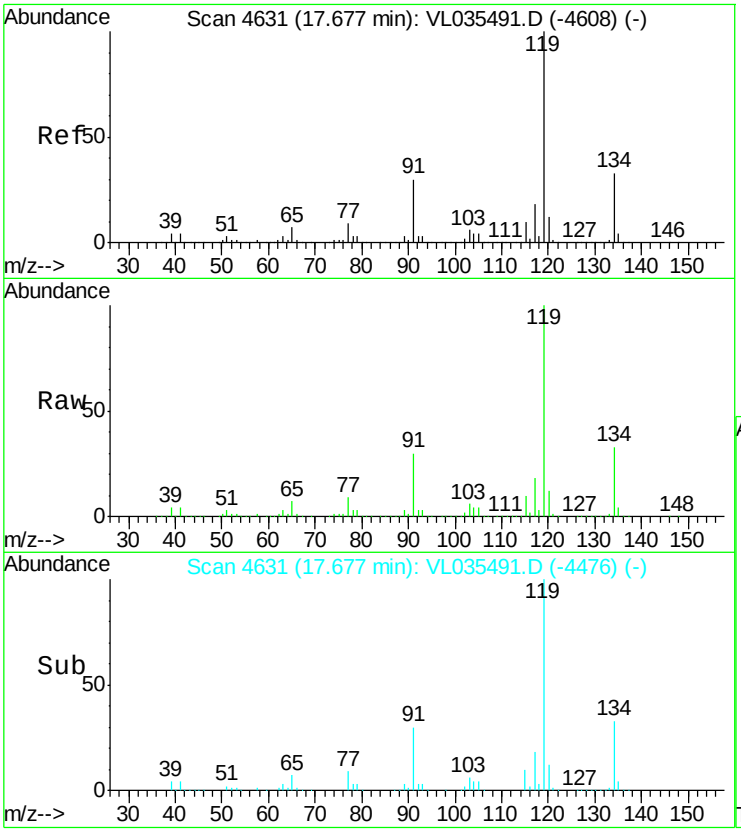


#68
1-Bromo-4-Fluorobenzene
Concen: 10.432 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 95 Resp: 3361729

Ion	Ratio	Lower	Upper
95	100		
174	88.6	44.0	66.0#
175	6.4	3.2	4.8#



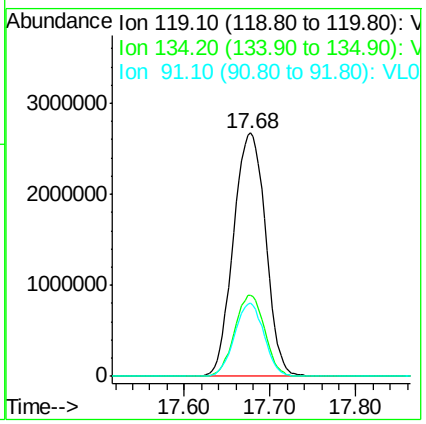


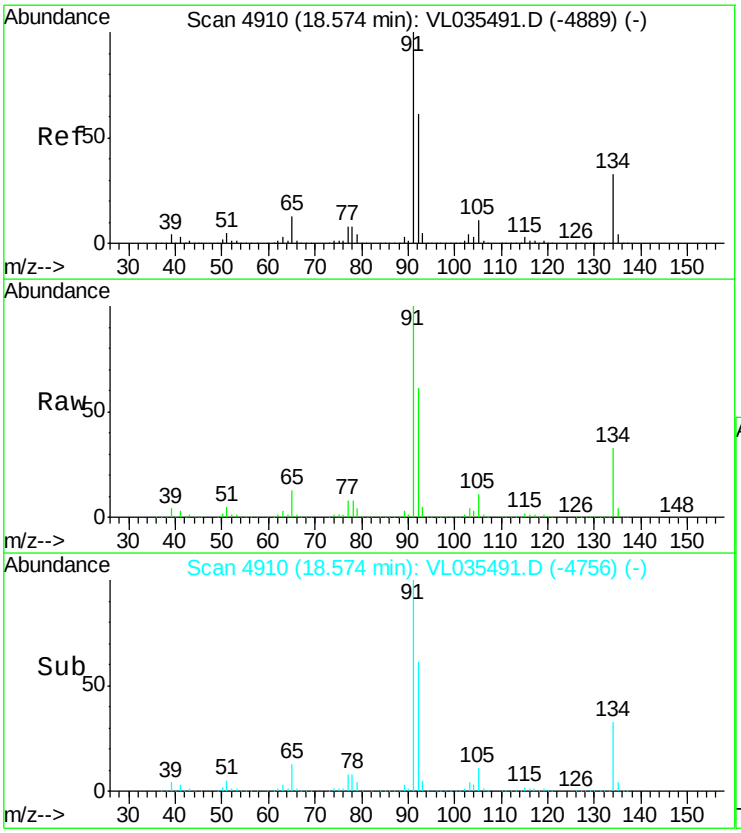
#69
p-Isopropyltoluene
Concen: 8.183 ppbv
RT: 17.68 min Scan# 4631
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion:119 Resp: 6948056

Ion	Ratio	Lower	Upper
119	100		
134	31.1	20.6	30.8#
91	27.5	26.6	39.8

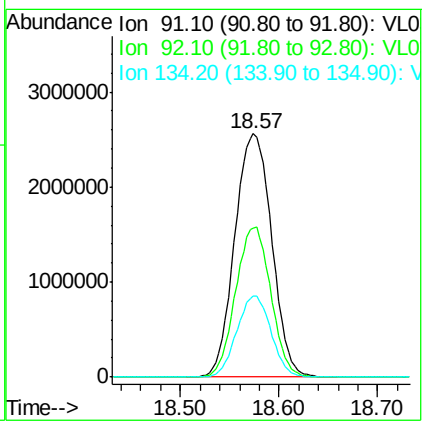


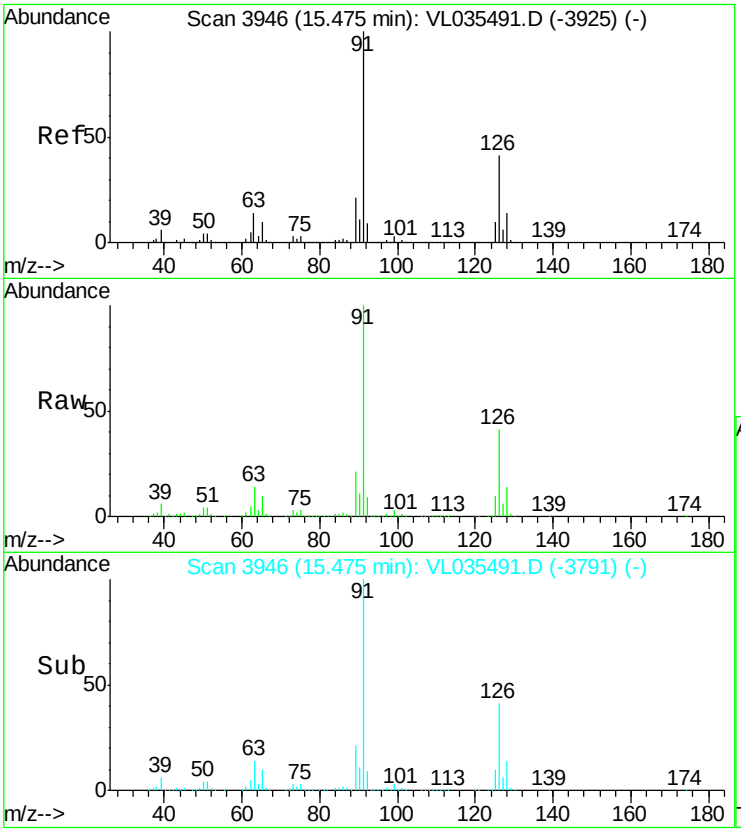


#70
n-Butylbenzene
Concen: 8.274 ppbv
RT: 18.57 min Scan# 4910
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion: 91 Resp: 6635408

Ion	Ratio	Lower	Upper
91	100		
92	58.8	44.8	67.2
134	31.1	17.3	25.9#



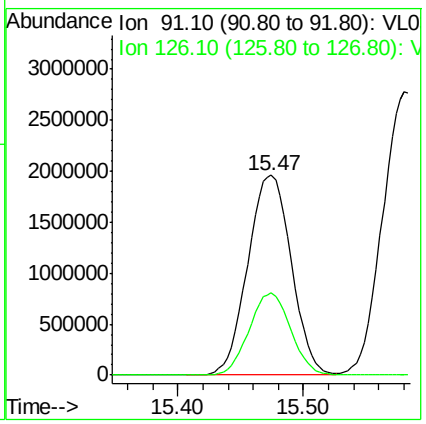


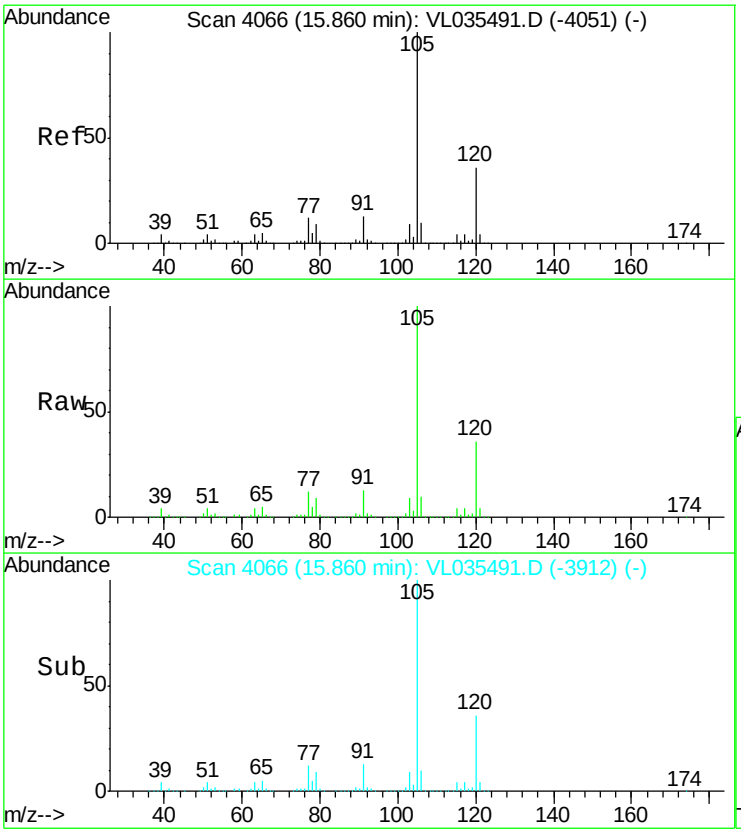
#71
2-Chlorotoluene
Concen: 8.730 ppbv
RT: 15.47 min Scan# 3946
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Tgt Ion: 91 Resp: 4739145

Ion	Ratio	Lower	Upper
91	100		
126	39.4	11.4	45.6

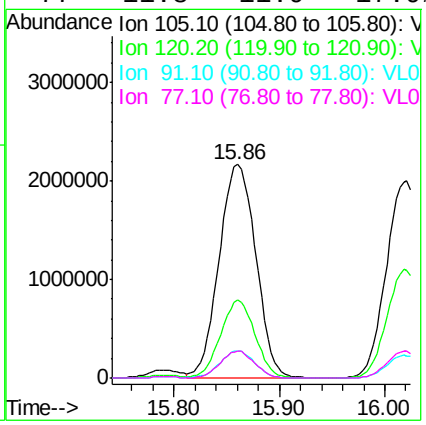


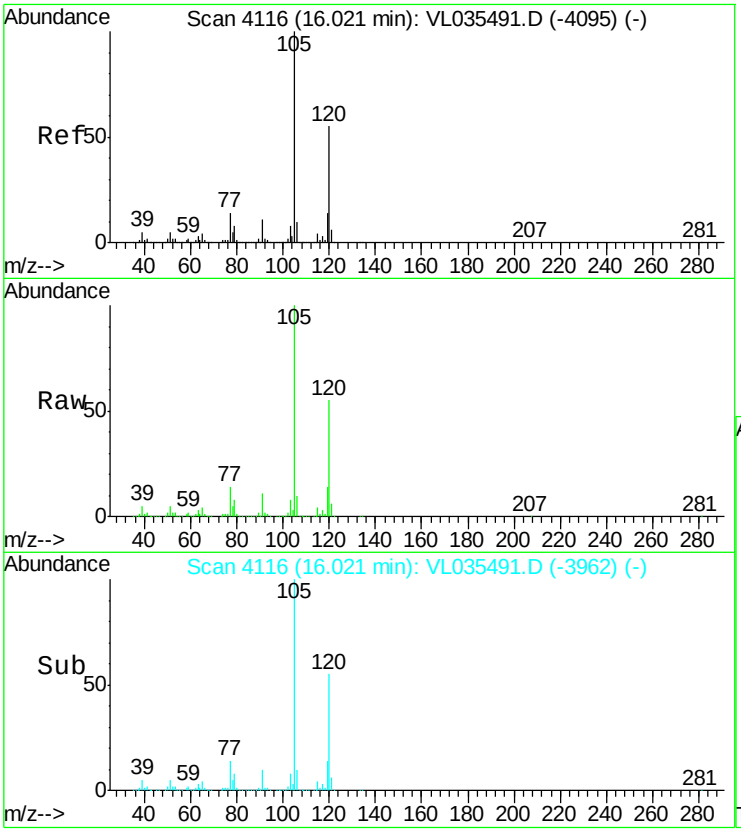


#72
4-Ethyltoluene
Concen: 8.738 ppbv
RT: 15.86 min Scan# 4066
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion:105 Resp: 5235390

Ion	Ratio	Lower	Upper
105	100		
120	34.2	22.7	34.1#
91	11.9	10.8	16.2
77	11.8	11.9	17.9#



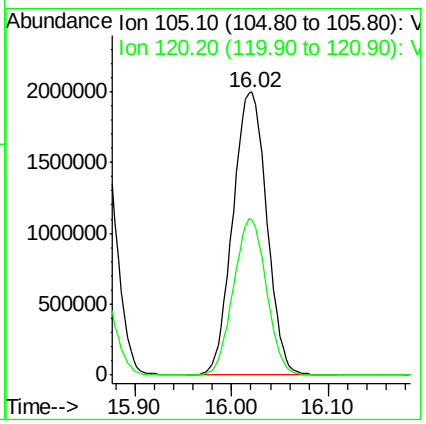


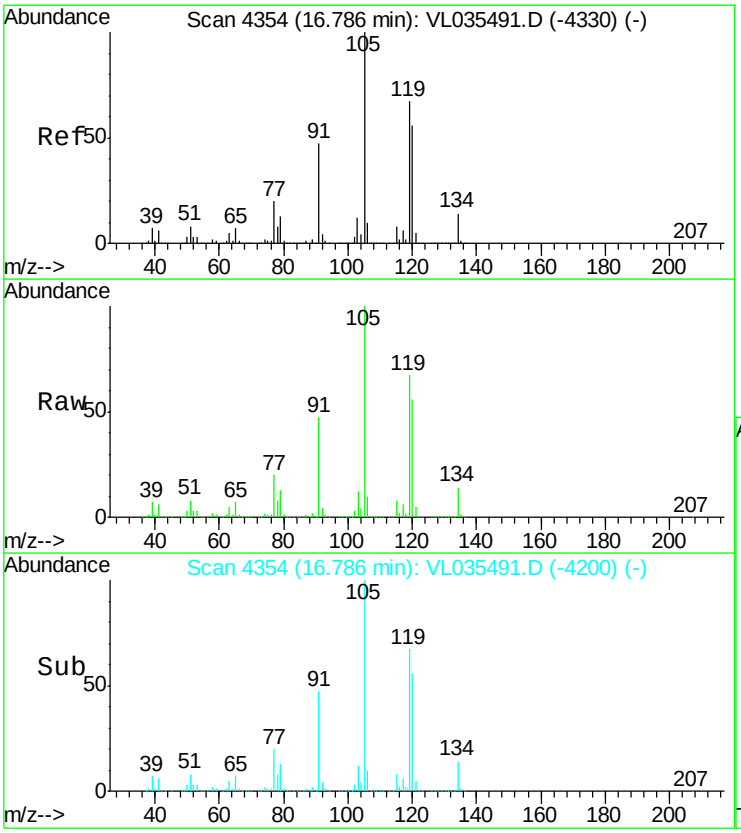
#73
1,3,5-Trimethylbenzene
Concen: 8.717 ppbv
RT: 16.02 min Scan# 4116
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:105 Resp: 4859493

Ion	Ratio	Lower	Upper
105	100		
120	54.9	35.6	53.4#

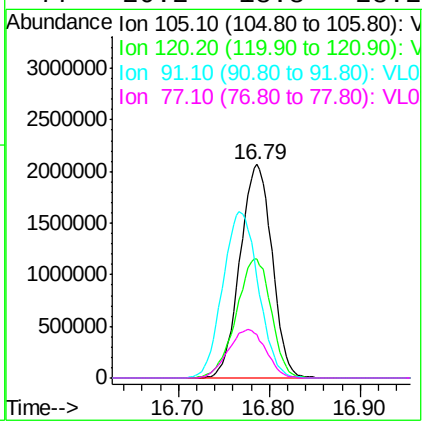


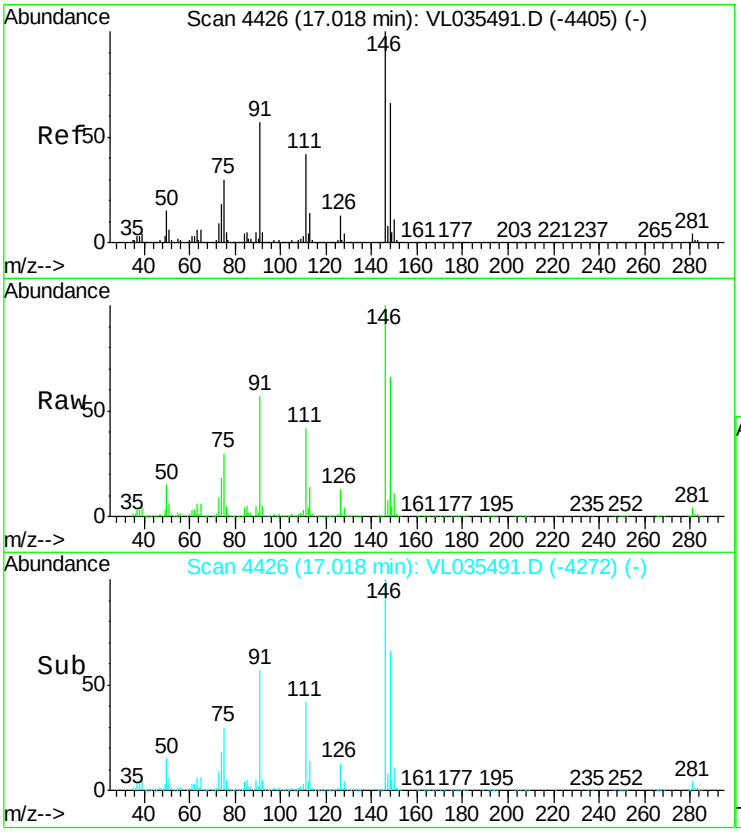


#74
1,2,4-Trimethylbenzene
Concen: 8.344 ppbv
RT: 16.79 min Scan# 4354
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion:105 Resp: 5053876

Ion	Ratio	Lower	Upper
105	100		
120	55.9	37.8	56.8
91	46.9	40.0	60.0
77	20.2	18.8	28.2



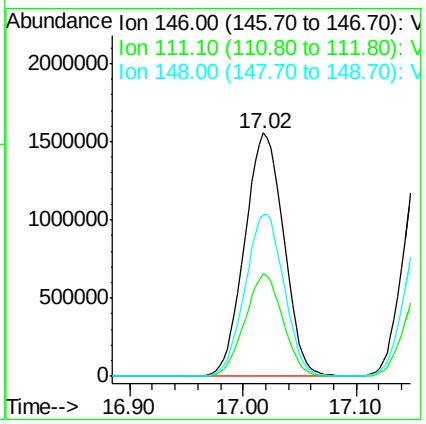


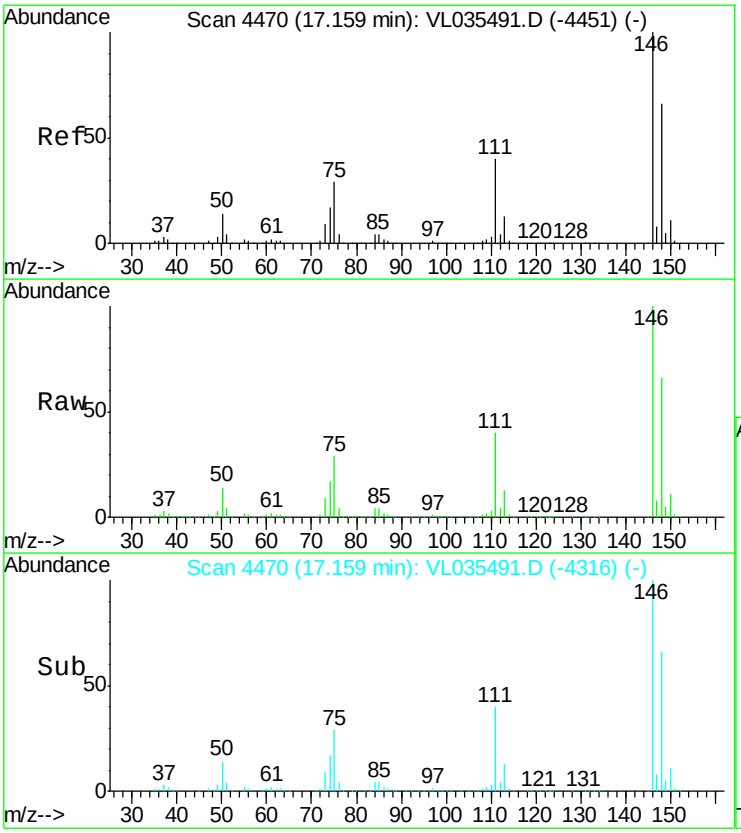
#75
1,3-Dichlorobenzene
Concen: 7.996 ppbv
RT: 17.02 min Scan# 4426
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 3740695

Ion	Ratio	Lower	Upper
146	100		
111	40.7	25.6	76.8
148	66.3	32.3	96.9

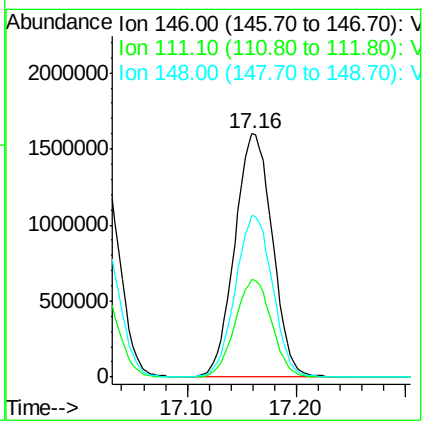


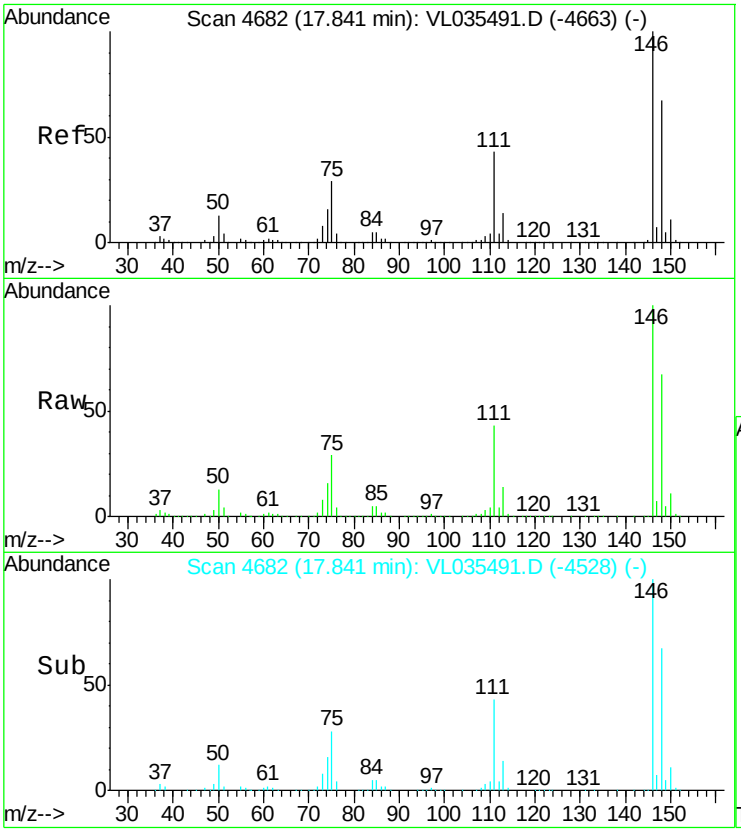


#76
1,4-Dichlorobenzene
Concen: 8.308 ppbv m
RT: 17.16 min Scan# 4470
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion:146 Resp: 3830107

Ion	Ratio	Lower	Upper
146	100		
111	39.2	24.8	74.4
148	65.5	32.1	96.3



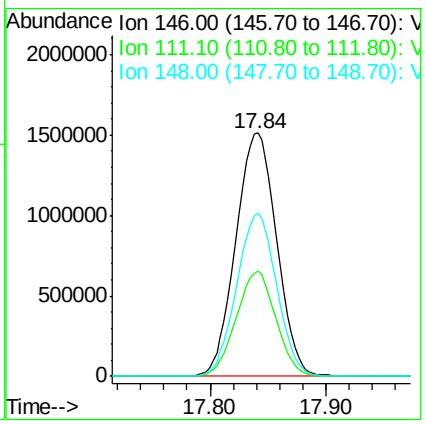


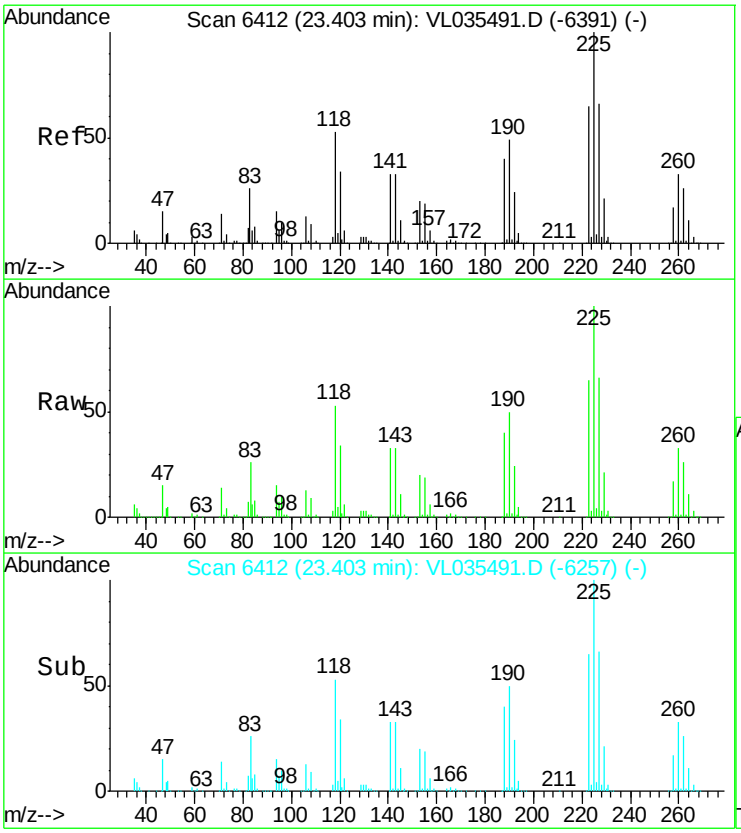
#77
1,2-Dichlorobenzene
Concen: 8.080 ppbv
RT: 17.84 min Scan# 4682
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:146 Resp: 3702505

Ion	Ratio	Lower	Upper
146	100		
111	42.0	26.3	78.9
148	65.9	32.0	96.0

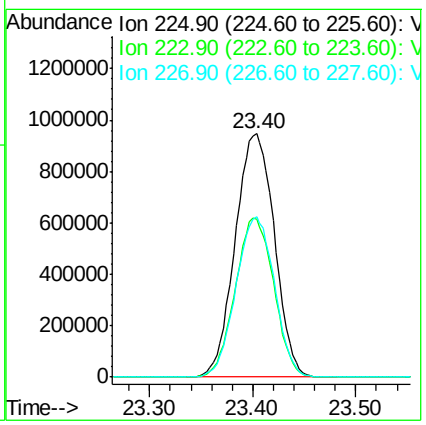


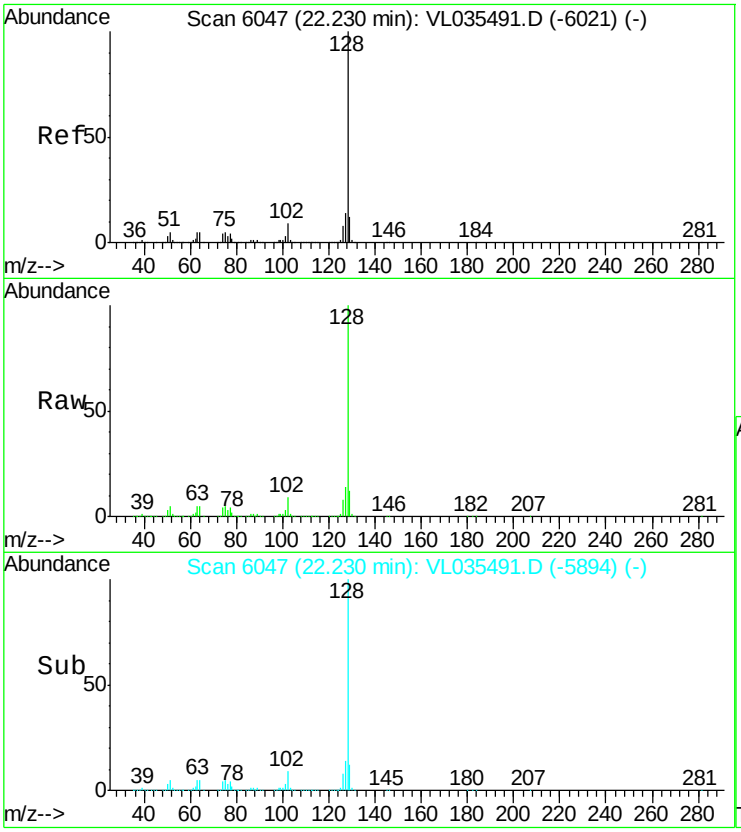


#78
Hexachloro-1,3-Butadiene
Concen: 6.904 ppbv
RT: 23.40 min Scan# 6412
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion:225 Resp: 2501229

Ion	Ratio	Lower	Upper
225	100		
223	64.3	50.3	75.5
227	64.6	51.0	76.6



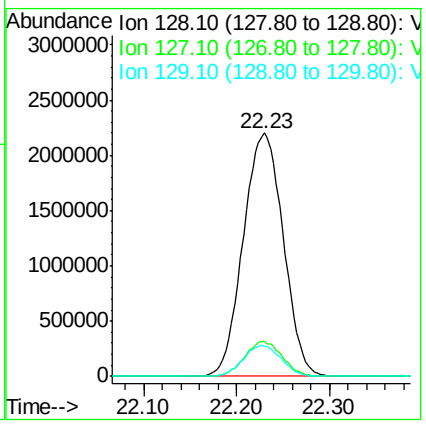


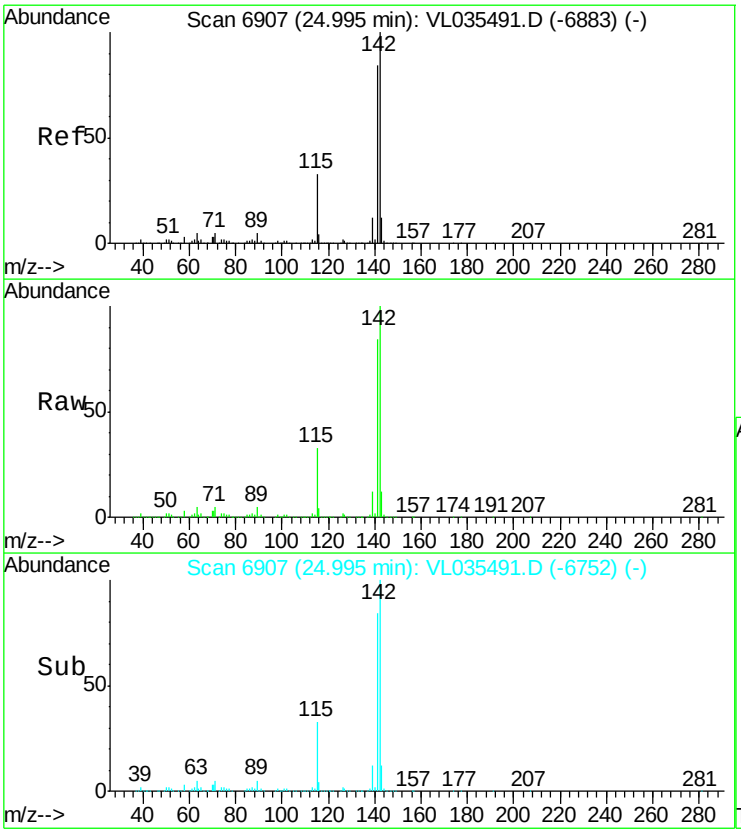
#79
Naphthalene
Concen: 7.732 ppbv
RT: 22.23 min Scan# 6047
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:128 Resp: 6595604

Ion	Ratio	Lower	Upper
128	100		
127	14.2	11.4	17.0
129	12.2	9.5	14.3

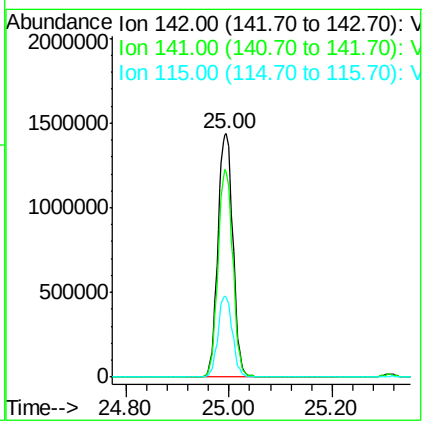


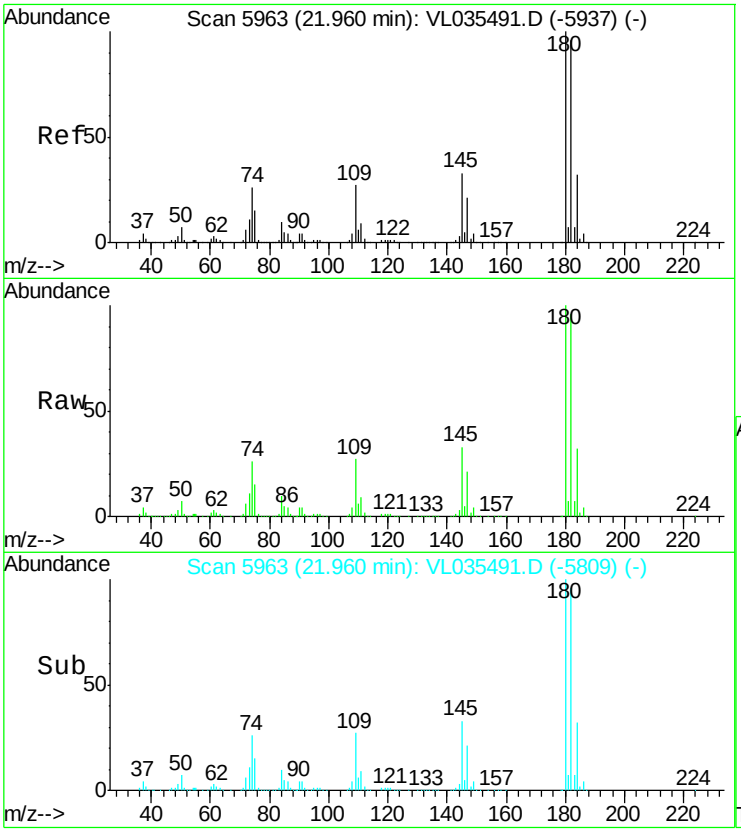


#80
Naphthalene,2-methyl-
Concen: 8.226 ppbv
RT: 25.00 min Scan# 6907
Delta R.T. -0.00 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Tgt Ion:142 Resp: 2899733

Ion	Ratio	Lower	Upper
142	100		
141	83.9	67.1	100.7
115	32.0	36.1	54.1#





#81
1,2,4-Trichlorobenzene
Concen: 7.356 ppbv
RT: 21.96 min Scan# 5963
Delta R.T. -0.01 min
Lab File: VL035491.D
Acq: 23 Aug 2020 8:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:180 Resp: 3782224

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
184	31.7	24.8	37.2