Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL082320\
Data File : VL035492.D
Acq On : 23 Aug 2020 8:54
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Aug 23 10:37:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSun Aug 23 10:33:49 2020
QLast Update : Sun Aug 23 10:33:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1073110	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4760787	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4982528	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3446478	9.88	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	370056	1.861	ppbv	99
3) Chlorodifluoromethane	2.98	51	245563	1.825	ppbv	98
4) Chloromethane	3.13	50	126659	1.807	ppbv	96
5) Vinyl Chloride	3.25	62	151173	1.805	ppbv	99
6) Bromomethane	3.47	94	136338	1.861	ppbv	99
7) Chloroethane	3.55	64	55983	1.814	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	479197	1.882	ppbv	98
9) Propene	3.00	41	92367	1.708	ppbv	98
10) Heptane	8.13	43	256682	1.810	ppbv	99
11) Trichlorofluoromethane	3.95	101	579299	1.856	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	428962	1.844	ppbv	99
13) Ethanol	3.60	45	30949	1.562	ppbv	99
14) Bromoethene	3.74	108	189231	1.841	ppbv	99
15) Acetone	3.85	43	238299	1.929	ppbv	93
16) 1,3-Butadiene	3.32	39	92753	1.852	ppbv	97
17) tert-Butyl alcohol	4.29	59	293665	1.840	ppbv	99
18) 1,1-Dichloroethene	4.29	96	188053	1.831	ppbv	97
19) Isopropyl Alcohol	3.97	45	145247	1.706	ppbv #	97
20) Methylene Chloride	4.34	84	296297	2.973	ppbv	98
21) Allyl Chloride	4.41	41	116307	1.853	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	199325	1.819	ppbv	96
23) Vinyl Acetate	5.07	43	316184	1.791	ppbv	99
24) 1,1-Dichloroethane	5.01	63	327893	1.861	ppbv	97
25) Ethyl Acetate	5.68	43	452672	1.883	ppbv	98
26) Hexane	5.69	57	291827	2.152	ppbv	91
27) Carbon Disulfide	4.55	76	359596	1.834	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	443640	1.791	ppbv	99
29) Chloroform	5.75	83	508551	1.866	ppbv	99
30) Cyclohexane	7.13	84	274355	1.823	ppbv	86
31) cis-1,2-Dichloroethene	5.55	61	254297	1.783	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	484709	1.898	ppbv	99
34) 2-Butanone	5.25	43	290947	1.829	ppbv	98
35) Carbon Tetrachloride	7.02	117	508052	2.007	ppbv	99
36) Benzene	6.89	78	655452	1.876	ppbv	98
37) 1,2-Dichloroethane	6.31	62	299246	1.874	ppbv	100
38) Trichloroethene	7.84	130	355630	1.830	ppbv	99
39) 1,2-Dichloropropane	7.62	63	217283	1.887	ppbv	96
40) 1,4-Dioxane	7.85	88	106024	1.690	ppbv #	64
41) Tetrahydrofuran	6.06	42	156215	1.780	ppbv	99
42) Bromodichloromethane	7.79	83	500536	1.873	ppbv	95
43) Methyl Methacrylate	8.02	69	249870	1.829	ppbv	99

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL082320\
Data File : VL035492.D
Acq On : 23 Aug 2020 8:54
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Aug 23 10:37:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSun Aug 23 10:33:49 2020
QLast Update : Sun Aug 23 10:33:49 2020
Response via : Initial Calibration

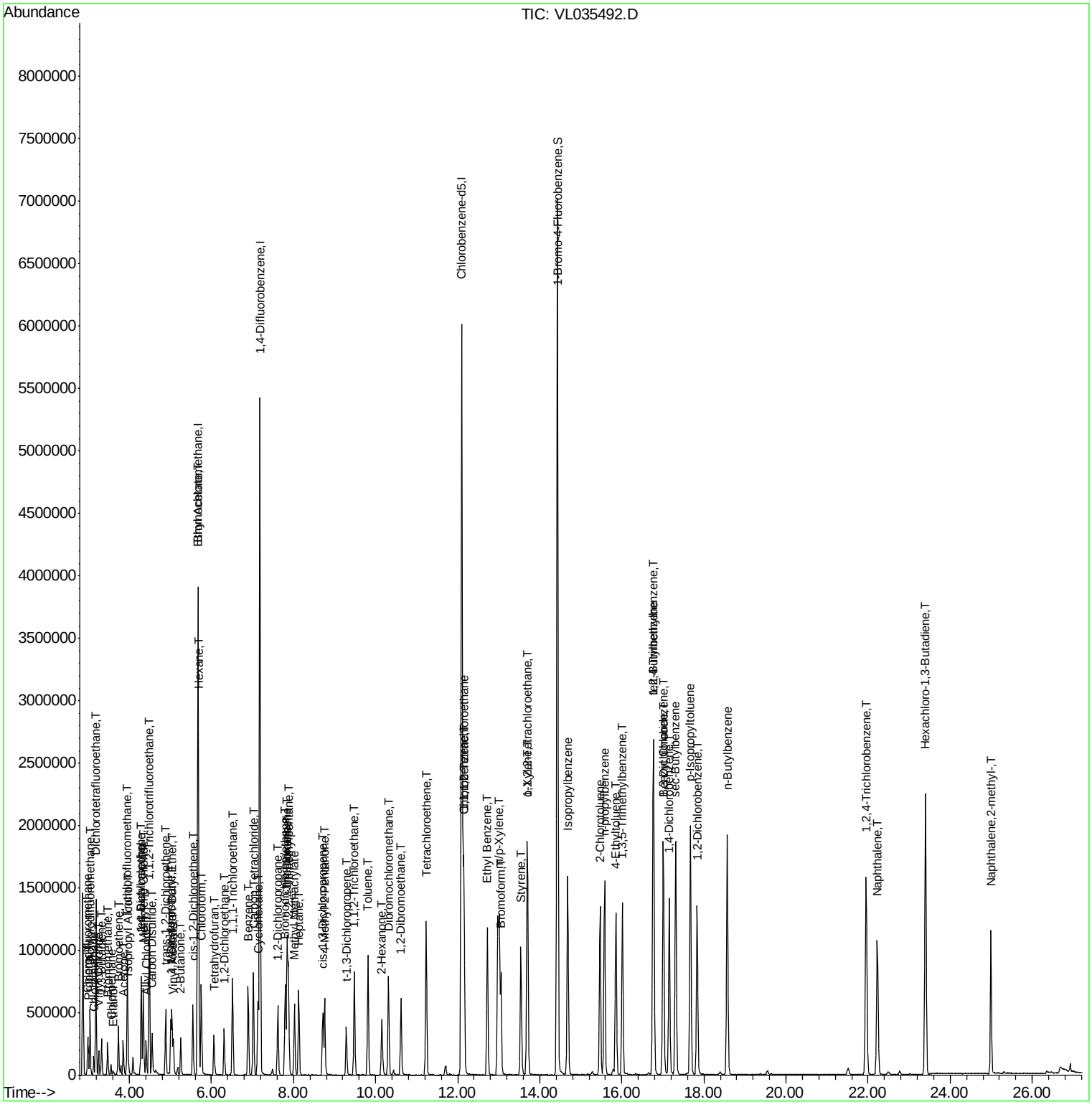
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	878998	1.926	ppbv		98
45) t-1,3-Dichloropropene	9.29	75	250575	1.780	ppbv		95
46) cis-1,3-Dichloropropene	8.71	75	319526	1.822	ppbv		96
47) 1,1,2-Trichloroethane	9.48	97	320893	1.866	ppbv		98
48) Dibromochloromethane	10.31	129	523282	1.814	ppbv		99
49) Bromoform	13.05	173	480537	1.729	ppbv		98
50) 4-Methyl-2-Pentanone	8.75	43	422496	1.852	ppbv		98
51) 2-Hexanone	10.15	43	342492	1.781	ppbv	#	100
52) Tetrachloroethene	11.24	164	370486	1.738	ppbv		96
53) Toluene	9.82	91	847634	1.883	ppbv		98
54) 1,2-Dibromoethane	10.62	107	516540	1.849	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.14	131	430015	1.819	ppbv	#	1
57) Chlorobenzene	12.16	112	770782	1.853	ppbv		96
58) Ethyl Benzene	12.73	91	1135413	1.888	ppbv		94
59) m/p-Xylene	13.01	91	1936539m	3.809	ppbv		
60) o-Xylene	13.71	91	939974	1.902	ppbv		98
61) Styrene	13.54	104	725683	1.817	ppbv		98
62) Isopropylbenzene	14.68	105	1556113	1.921	ppbv		94
63) 1,1,2,2-Tetrachloroethane	13.69	83	670766	1.890	ppbv		98
64) n-propylbenzene	15.58	120	454832	1.822	ppbv		79
65) tert-Butylbenzene	16.76	119	1501475	1.908	ppbv		95
66) Benzyl Chloride	17.00	91	311196	1.644	ppbv		96
67) sec-Butylbenzene	17.31	105	2028471	1.958	ppbv		93
69) p-Isopropyltoluene	17.67	119	1774910	1.931	ppbv		94
70) n-Butylbenzene	18.57	91	1674939	1.929	ppbv		94
71) 2-Chlorotoluene	15.47	91	1107423	1.885	ppbv		97
72) 4-Ethyltoluene	15.85	105	1231239	1.899	ppbv		97
73) 1,3,5-Trimethylbenzene	16.01	105	1133392	1.878	ppbv		93
74) 1,2,4-Trimethylbenzene	16.78	105	1247121	1.902	ppbv		95
75) 1,3-Dichlorobenzene	17.01	146	913517	1.804	ppbv		98
76) 1,4-Dichlorobenzene	17.15	146	895435	1.794	ppbv		99
77) 1,2-Dichlorobenzene	17.83	146	889770	1.794	ppbv		98
78) Hexachloro-1,3-Butadiene	23.40	225	657677	1.677	ppbv		98
79) Naphthalene	22.23	128	1642515	1.779	ppbv		97
80) Naphthalene,2-methyl-	24.99	142	707655	1.855	ppbv		99
81) 1,2,4-Trichlorobenzene	21.95	180	922675	1.658	ppbv		99

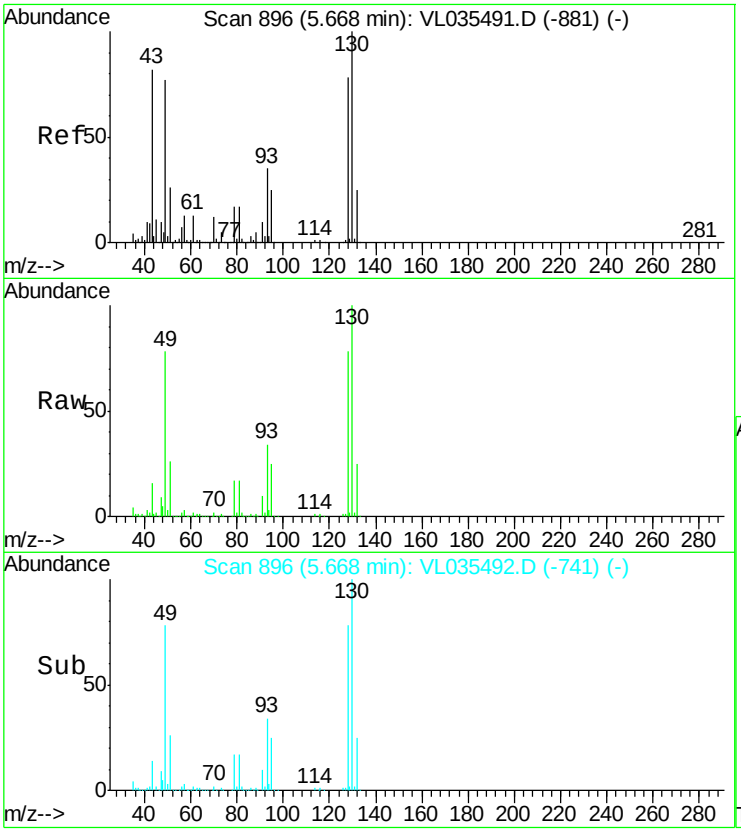
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL082320\
Data File : VL035492.D
Acq On : 23 Aug 2020 8:54
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Aug 23 10:37:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSun Aug 23 10:33:49 2020
QLast Update : Sun Aug 23 10:33:49 2020
Response via : Initial Calibration



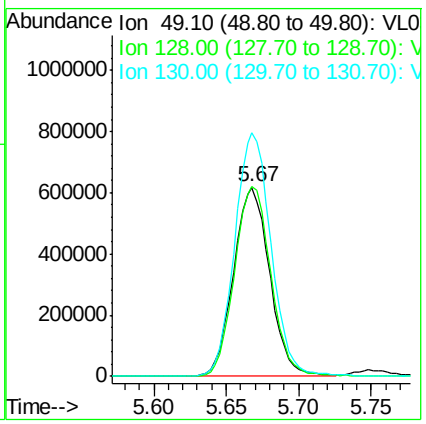


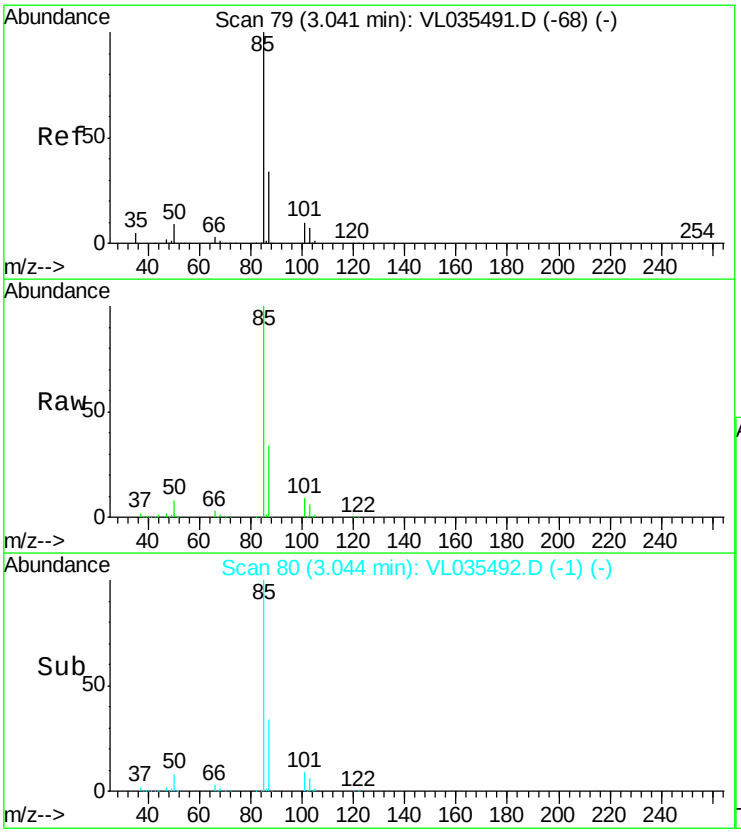
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 1073110

Ion	Ratio	Lower	Upper
49	100		
128	101.3	51.6	154.9
130	130.0	66.1	198.4

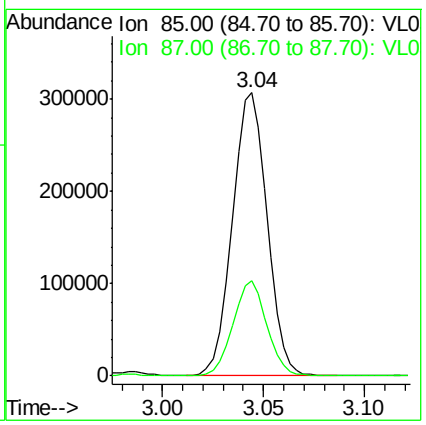


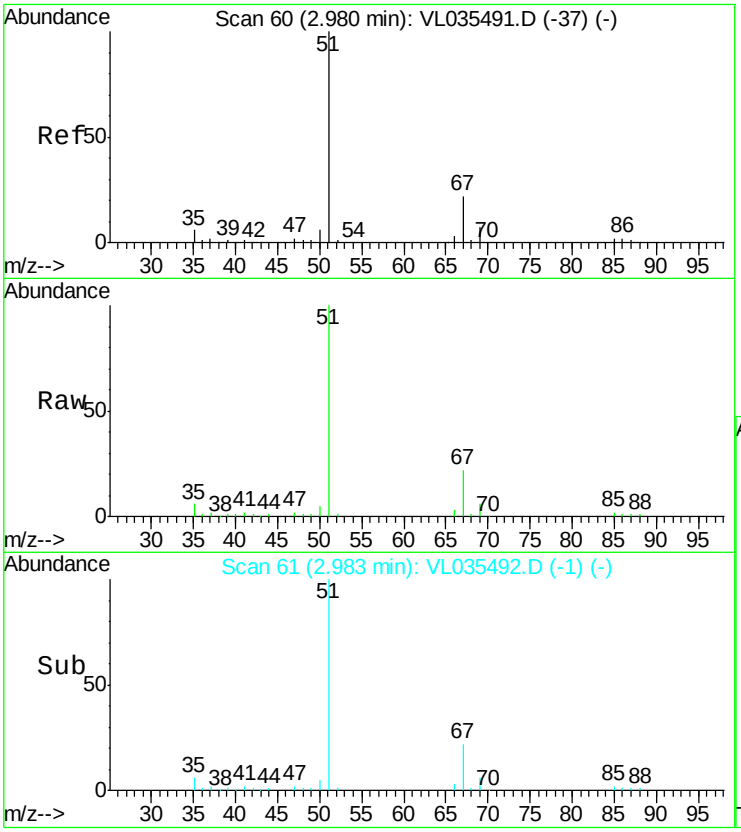


#2
Dichlorodifluoromethane
Concen: 1.861 ppbv
RT: 3.04 min Scan# 80
Delta R.T. 0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 85 Resp: 370056

Ion	Ratio	Lower	Upper
85	100		
87	33.8	27.3	40.9



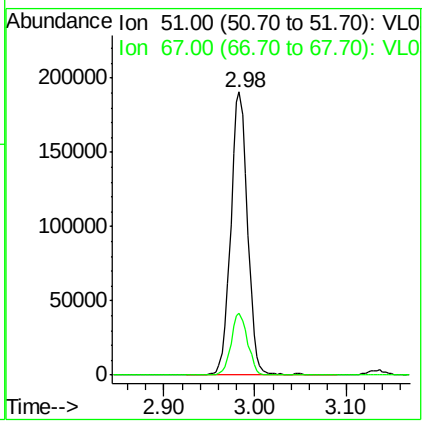


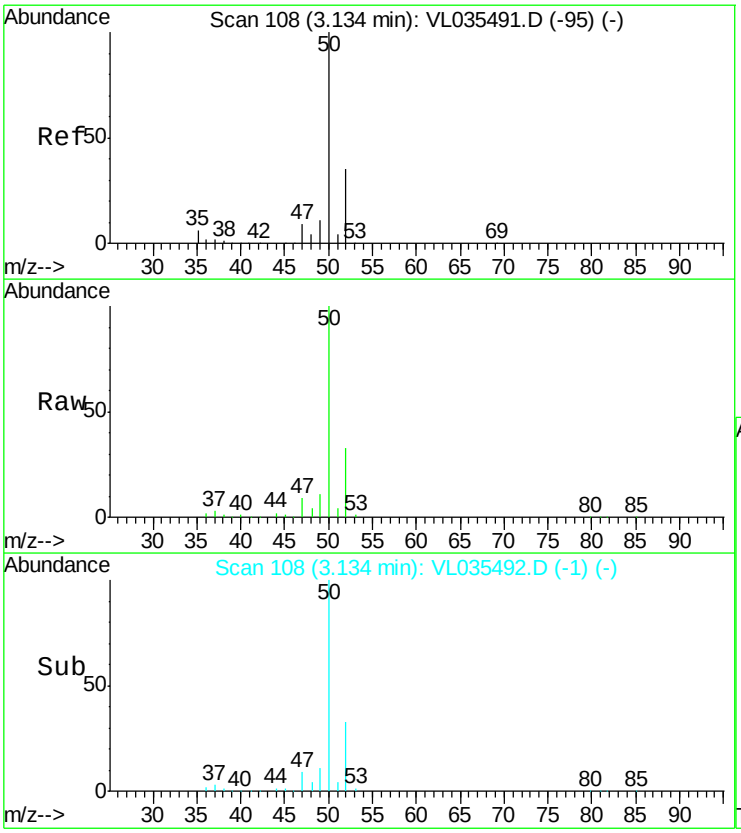
#3
Chlorodifluoromethane
Concen: 1.825 ppbv
RT: 2.98 min Scan# 61
Delta R.T. 0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 245563

Ion	Ratio	Lower	Upper
51	100		
67	21.4	17.9	26.9

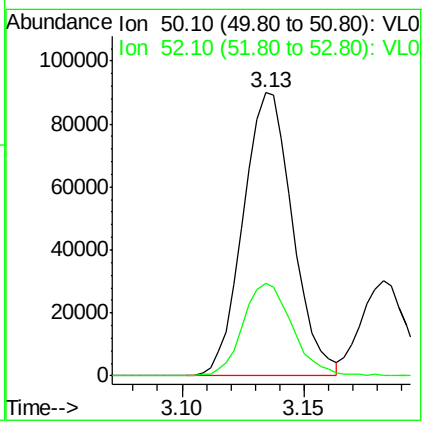


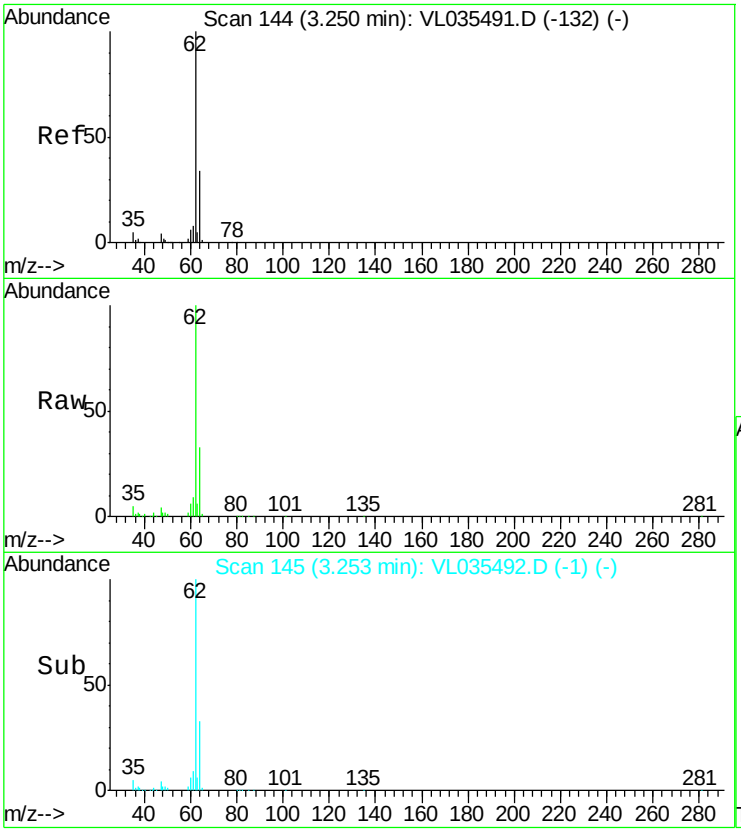


#4
Chloromethane
Concen: 1.807 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 50 Resp: 126659

Ion	Ratio	Lower	Upper
50	100		
52	32.7	28.2	42.2



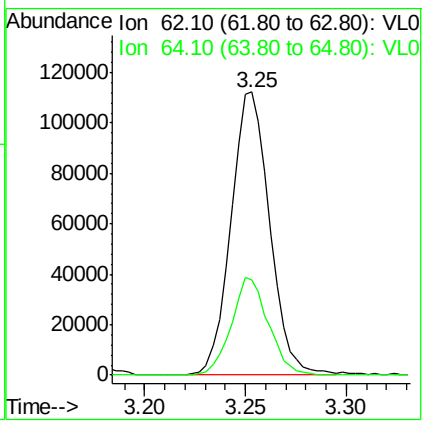


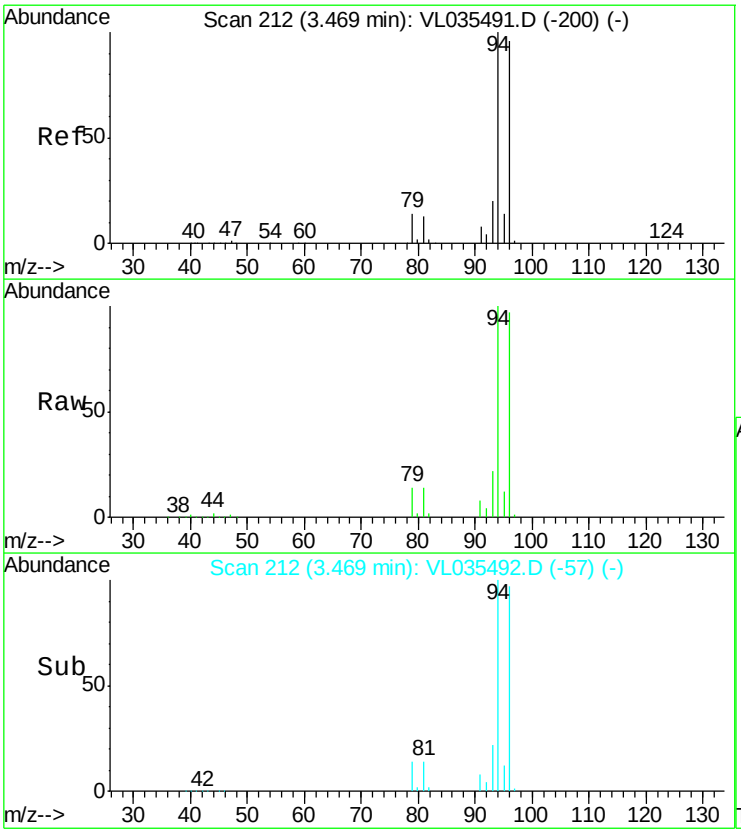
#5
Vinyl Chloride
Concen: 1.805 ppbv
RT: 3.25 min Scan# 145
Delta R.T. 0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 62 Resp: 151173

Ion	Ratio	Lower	Upper
62	100		
64	33.5	27.1	40.7

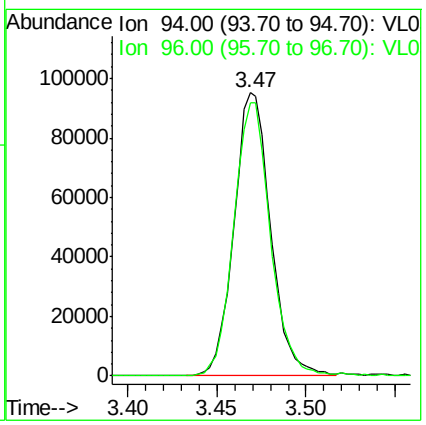


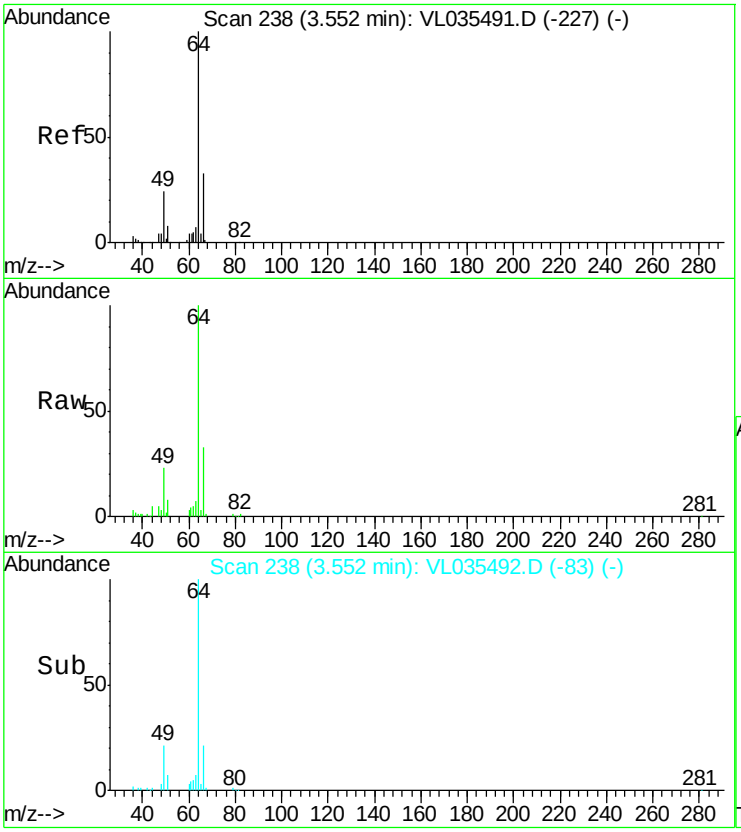


#6
Bromomethane
Concen: 1.861 ppbv
RT: 3.47 min Scan# 212
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 94 Resp: 136338

Ion	Ratio	Lower	Upper
94	100		
96	96.6	76.6	115.0



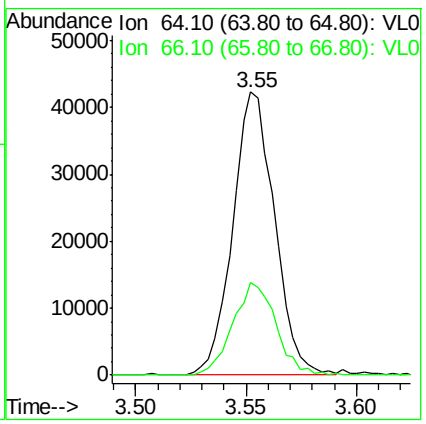


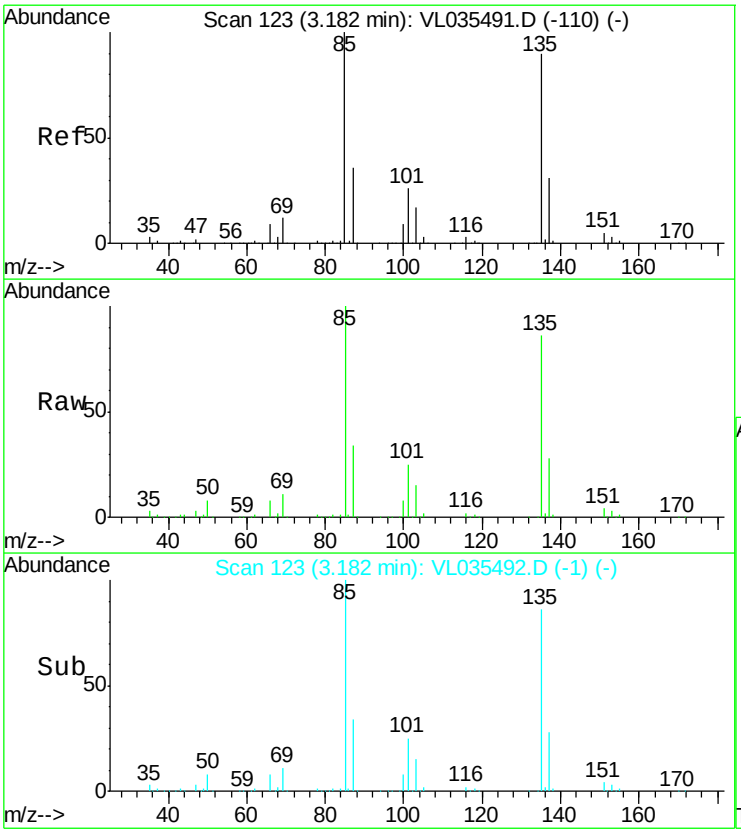
#7
Chloroethane
Concen: 1.814 ppbv
RT: 3.55 min Scan# 238
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 55983

Ion	Ratio	Lower	Upper
64	100		
66	32.6	26.2	39.2

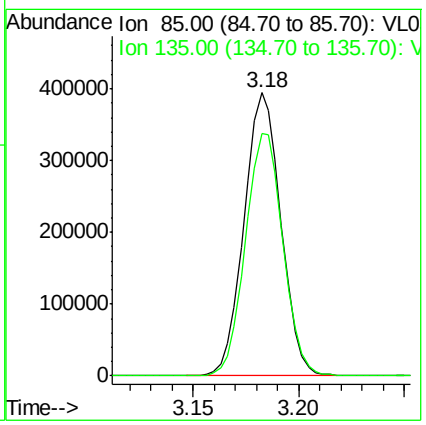


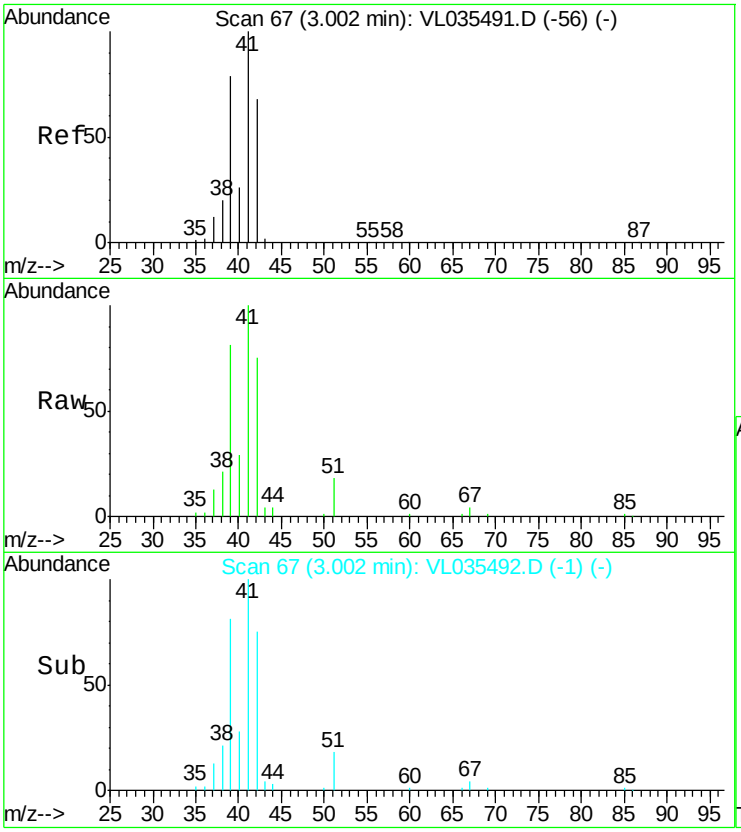


#8
Dichlorotetrafluoroethane
Concen: 1.882 ppbv
RT: 3.18 min Scan# 123
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 85 Resp: 479197

Ion	Ratio	Lower	Upper
85	100		
135	87.5	71.8	107.6



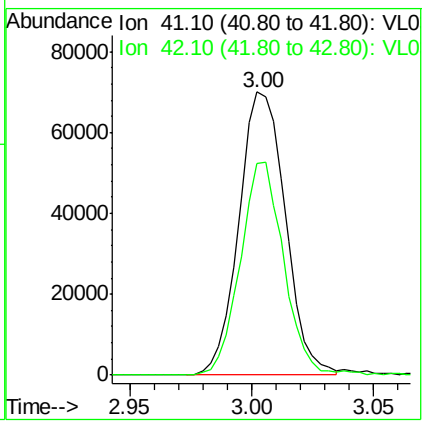


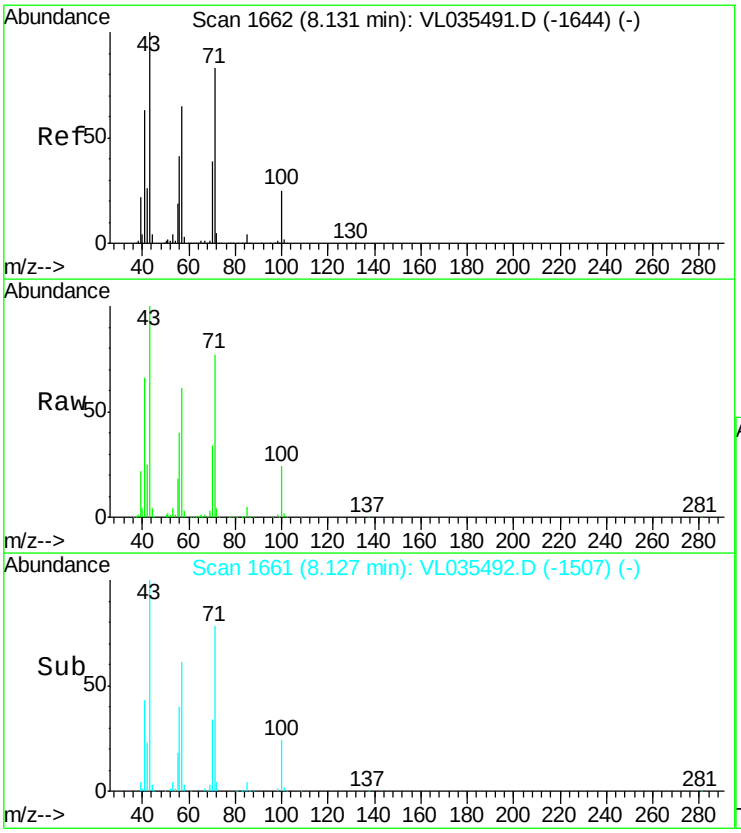
#9
Propene
Concen: 1.708 ppbv
RT: 3.00 min Scan# 67
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 92367

Ion	Ratio	Lower	Upper
41	100		
42	70.9	55.3	82.9

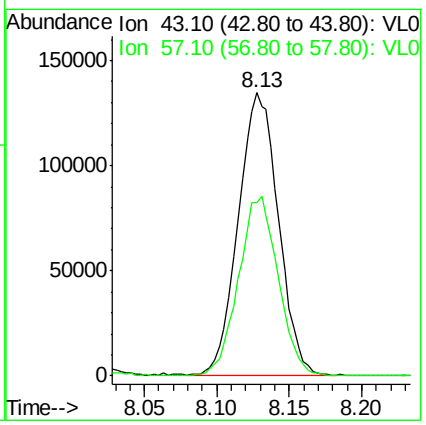


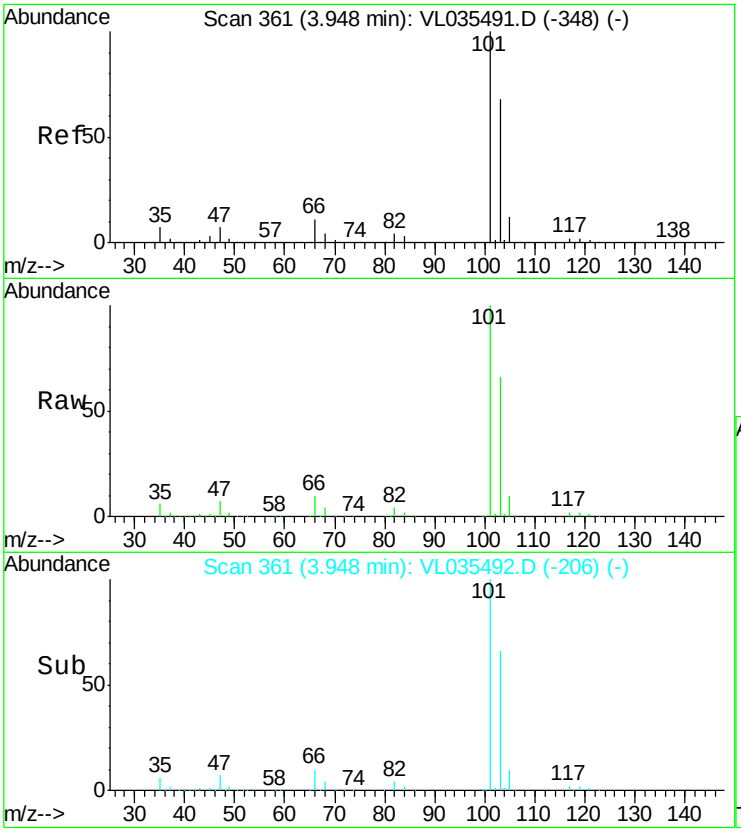


#10
Heptane
Concen: 1.810 ppbv
RT: 8.13 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 43 Resp: 256682

Ion	Ratio	Lower	Upper
43	100		
57	63.6	51.4	77.2



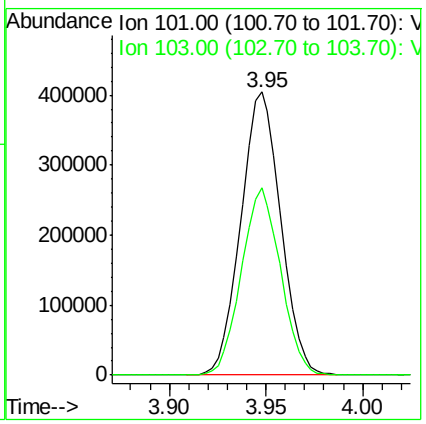


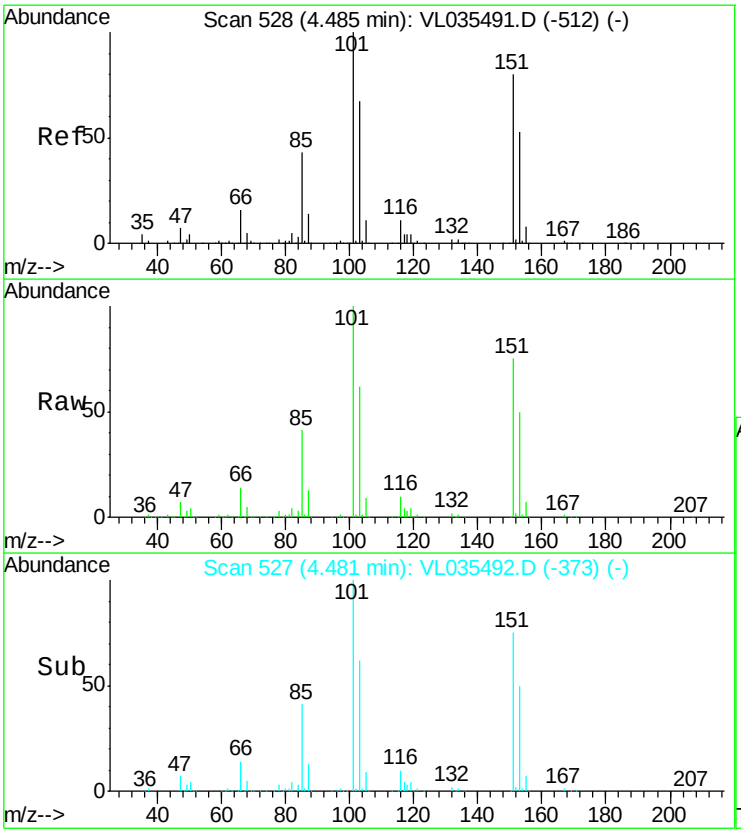
#11
Trichlorofluoromethane
Concen: 1.856 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 579299

Ion	Ratio	Lower	Upper
101	100		
103	66.4	54.4	81.6

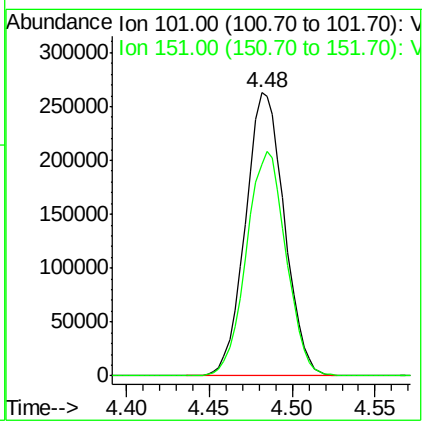


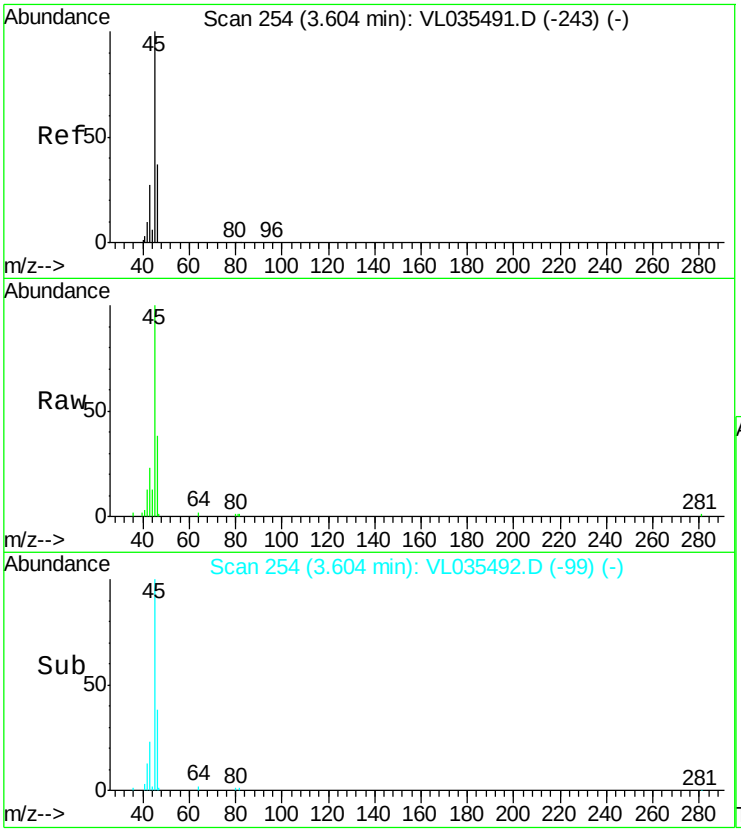


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.844 ppbv
RT: 4.48 min Scan# 527
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion:101 Resp: 428962

Ion	Ratio	Lower	Upper
101	100		
151	80.7	64.1	96.1



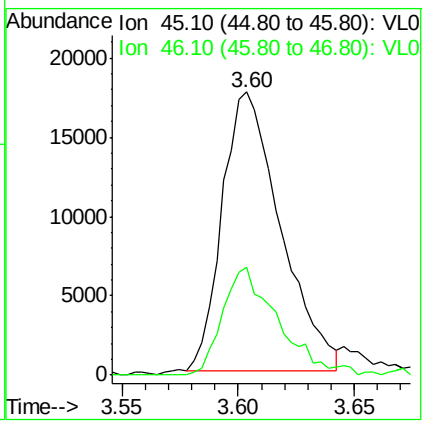


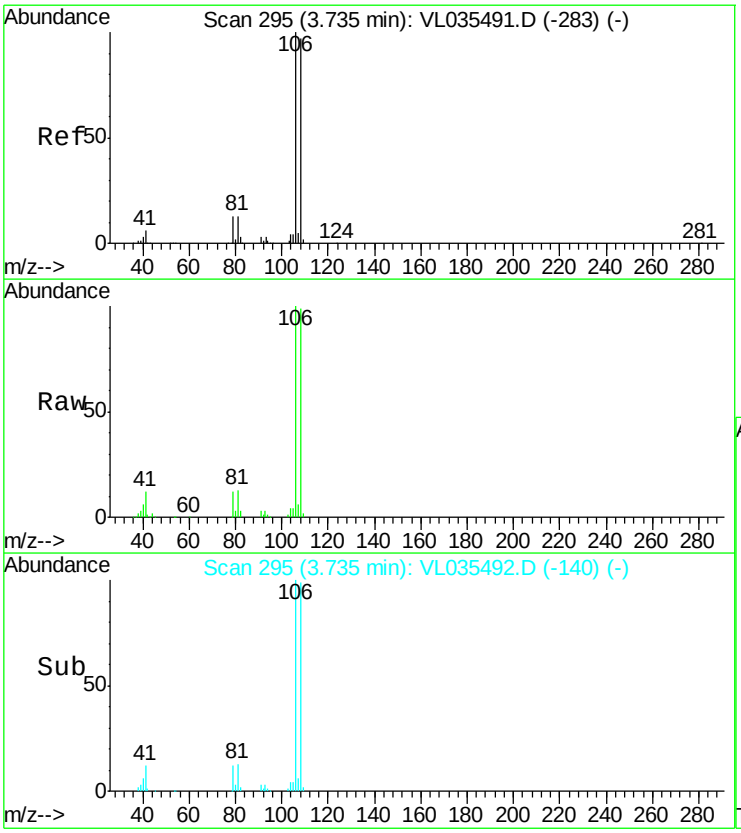
#13
Ethanol
Concen: 1.562 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 45 Resp: 30949

Ion	Ratio	Lower	Upper
45	100		
46	36.8	14.4	57.6

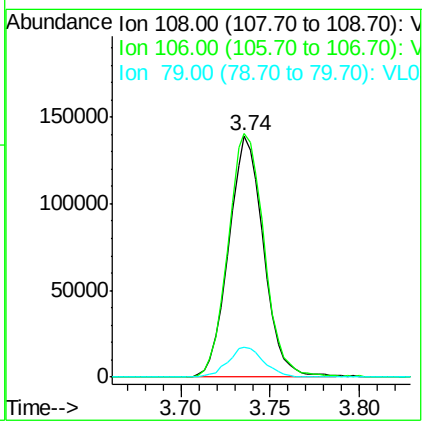


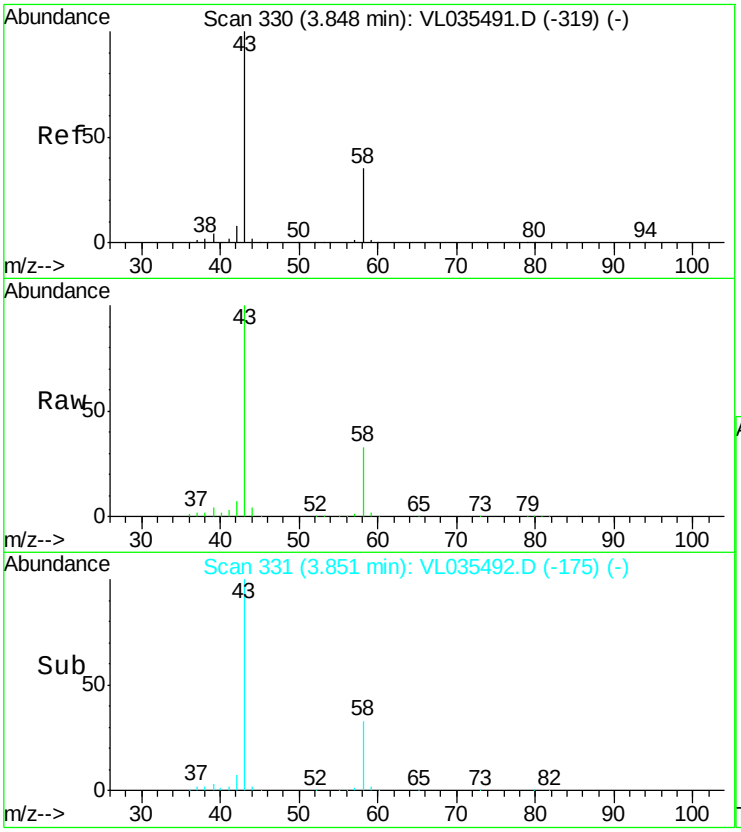


#14
Bromoethene
Concen: 1.841 ppbv
RT: 3.74 min Scan# 295
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion:108 Resp: 189231

Ion	Ratio	Lower	Upper
108	100		
106	105.2	83.6	125.4
79	13.1	10.7	16.1



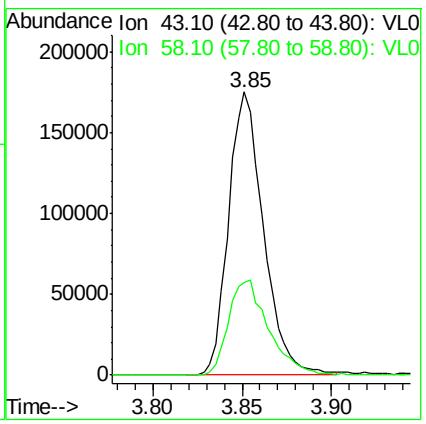


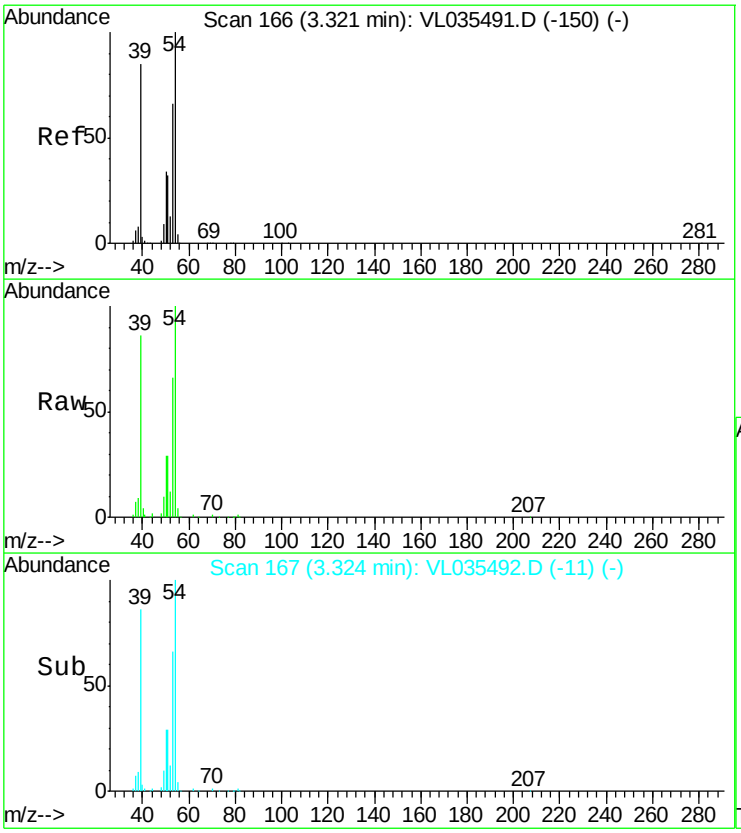
#15
Acetone
Concen: 1.929 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 238299

Ion	Ratio	Lower	Upper
43	100		
58	38.7	27.8	41.6

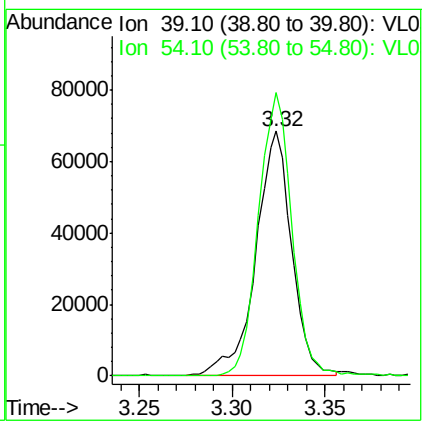


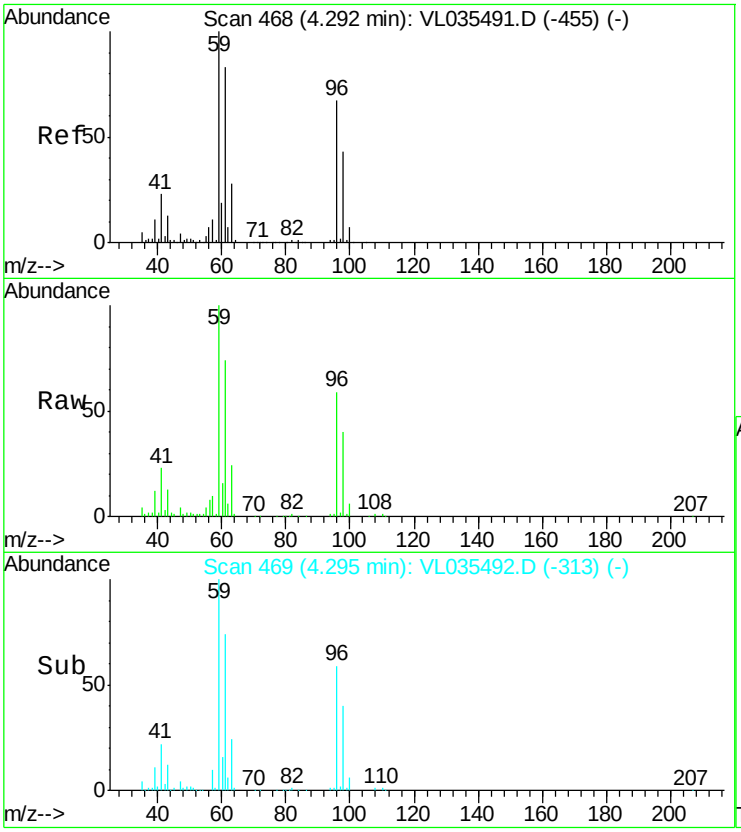


#16
1,3-Butadiene
Concen: 1.852 ppbv
RT: 3.32 min Scan# 167
Delta R.T. 0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 39 Resp: 92753

Ion	Ratio	Lower	Upper
39	100		
54	108.3	89.3	133.9



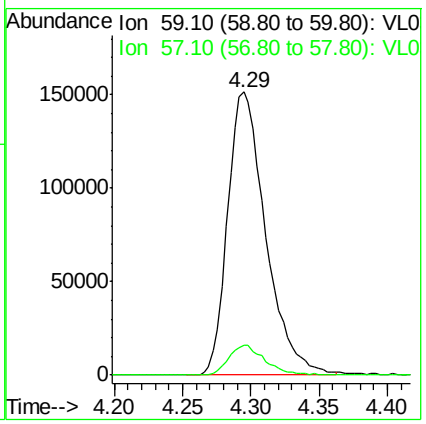


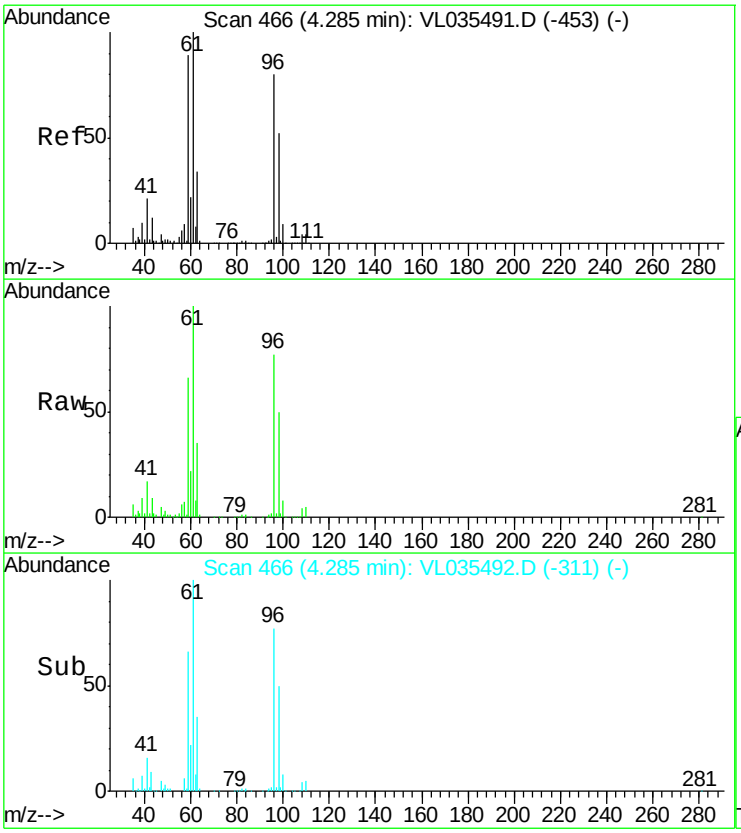
#17
tert-Butyl alcohol
Concen: 1.840 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 59 Resp: 293665

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.4	12.6

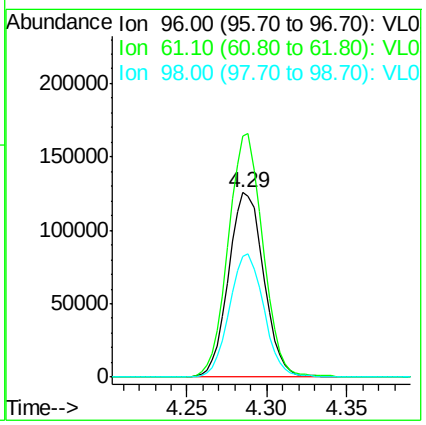


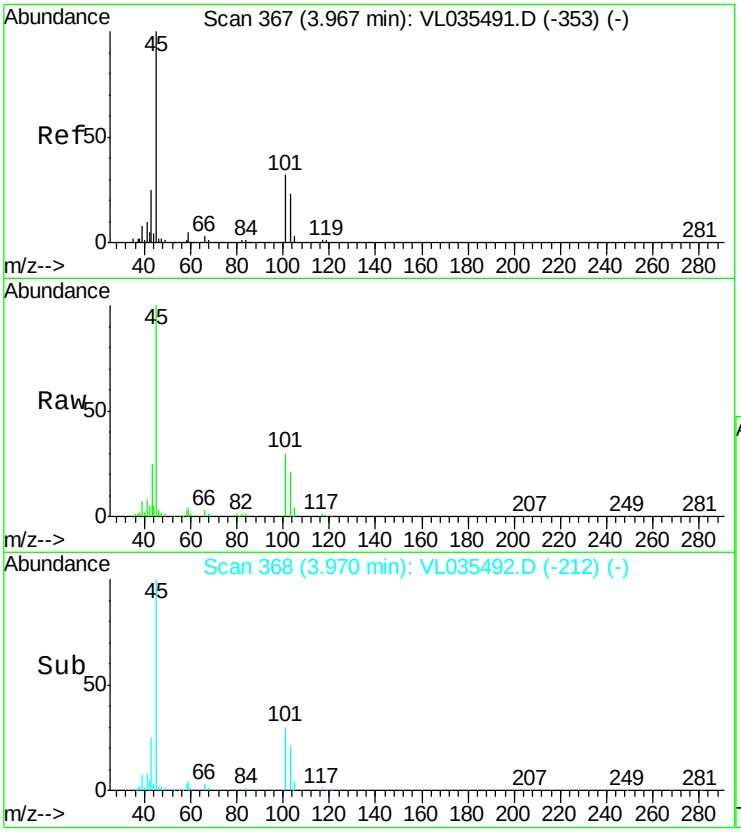


#18
1,1-Dichloroethene
Concen: 1.831 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 96 Resp: 188053

Ion	Ratio	Lower	Upper
96	100		
61	130.4	99.9	149.9
98	65.7	52.2	78.4



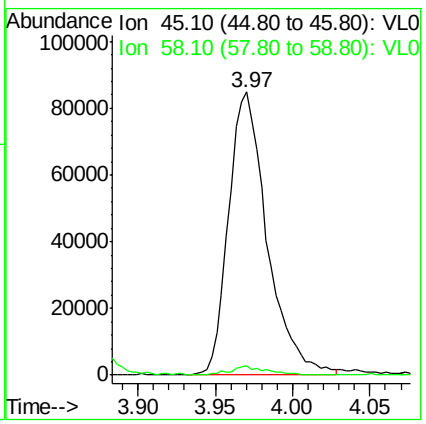


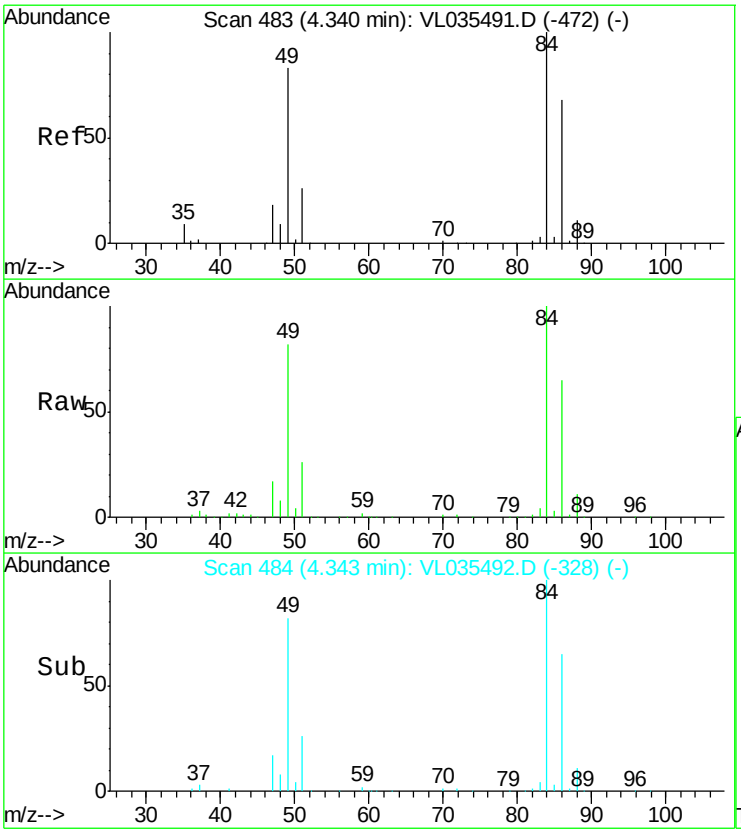
#19
Isopropyl Alcohol
Concen: 1.706 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 45 Resp: 145247

Ion	Ratio	Lower	Upper
45	100		
58	3.5	1.8	2.8#

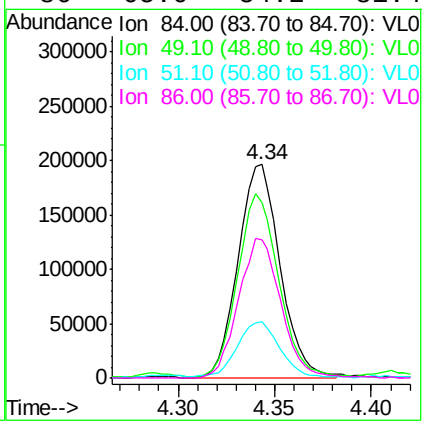


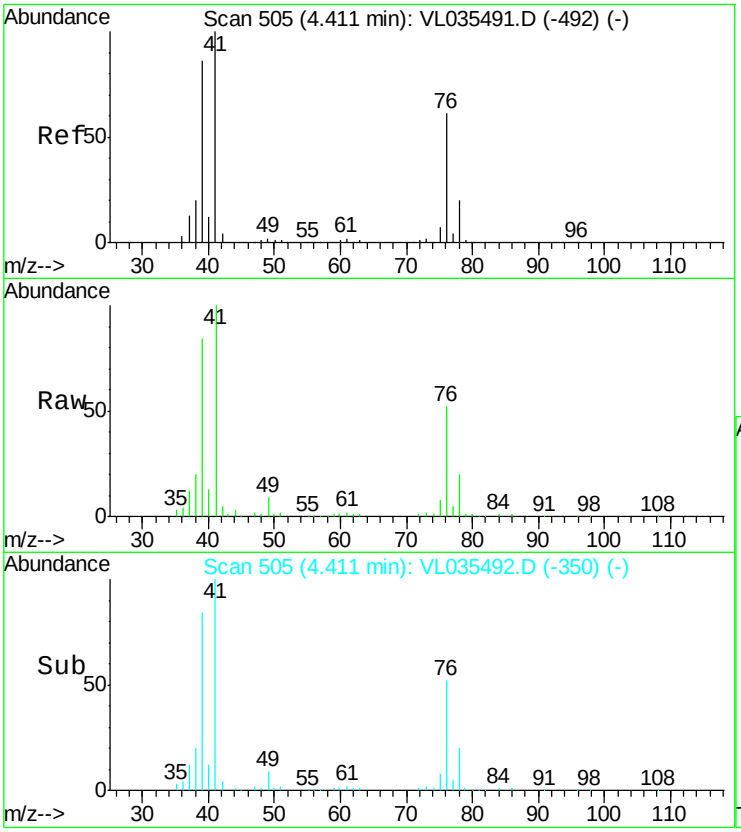


#20
Methylene Chloride
Concen: 2.973 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 84 Resp: 296297

Ion	Ratio	Lower	Upper
84	100		
49	81.6	66.3	99.5
51	25.7	21.1	31.7
86	65.0	54.2	81.4



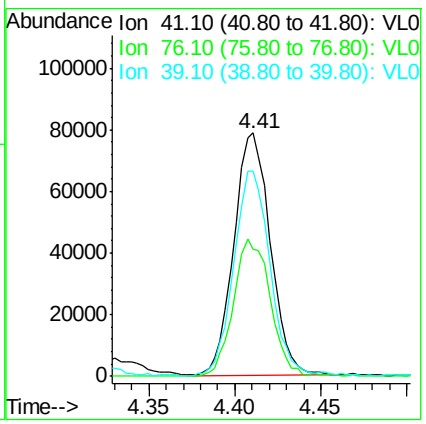


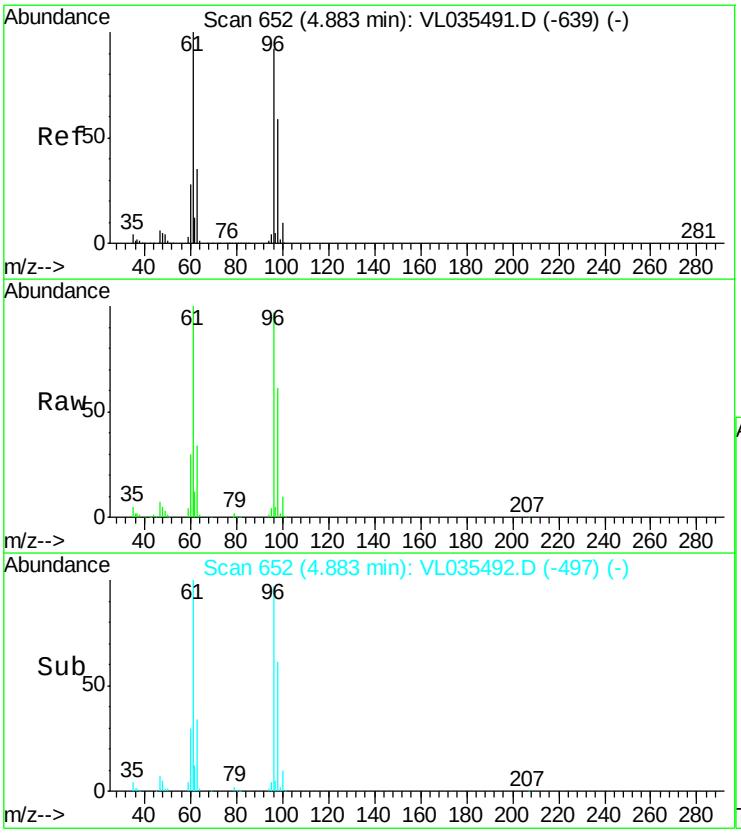
#21
Allvl Chloride
Concen: 1.853 ppbv
RT: 4.41 min Scan# 505
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 116307

Ion	Ratio	Lower	Upper
41	100		
76	57.4	47.3	70.9
39	84.7	69.0	103.4

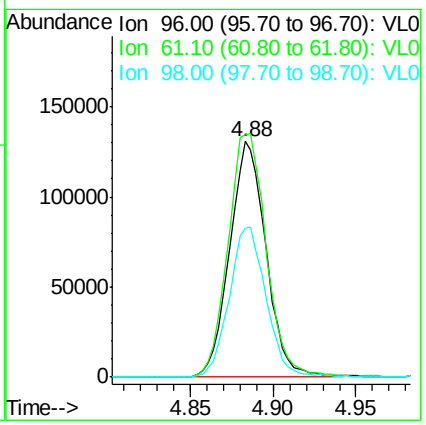


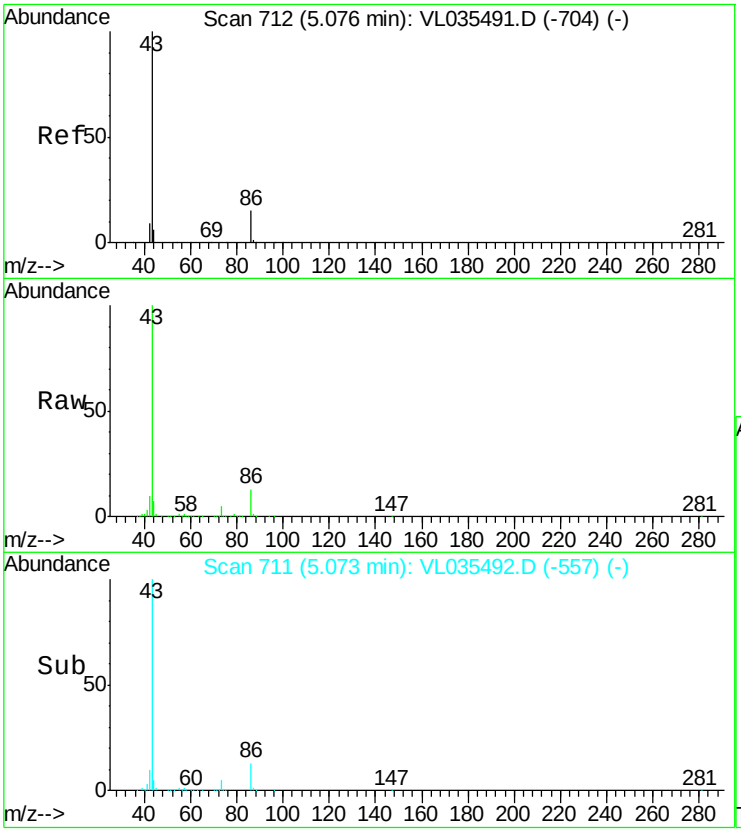


#22
trans-1,2-Dichloroethene
Concen: 1.819 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 96 Resp: 199325

Ion	Ratio	Lower	Upper
96	100		
61	102.9	86.5	129.7
98	63.2	51.4	77.2



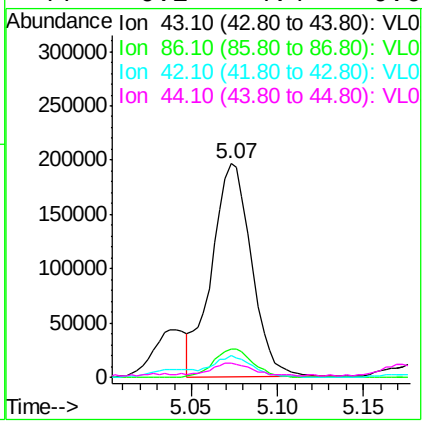


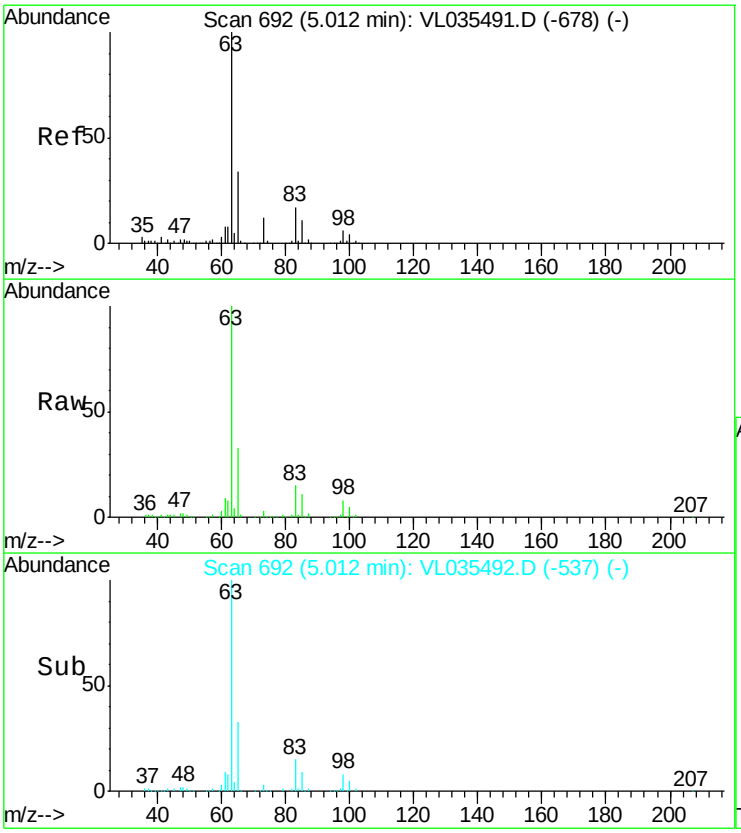
#23
Vinyl Acetate
Concen: 1.791 ppbv
RT: 5.07 min Scan# 711
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 316184

Ion	Ratio	Lower	Upper
43	100		
86	13.2	10.9	16.3
42	10.2	7.8	11.8
44	6.2	4.4	6.6

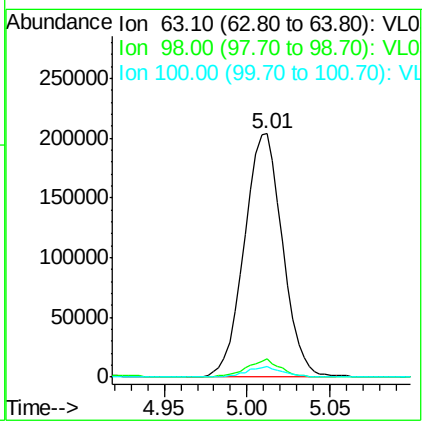


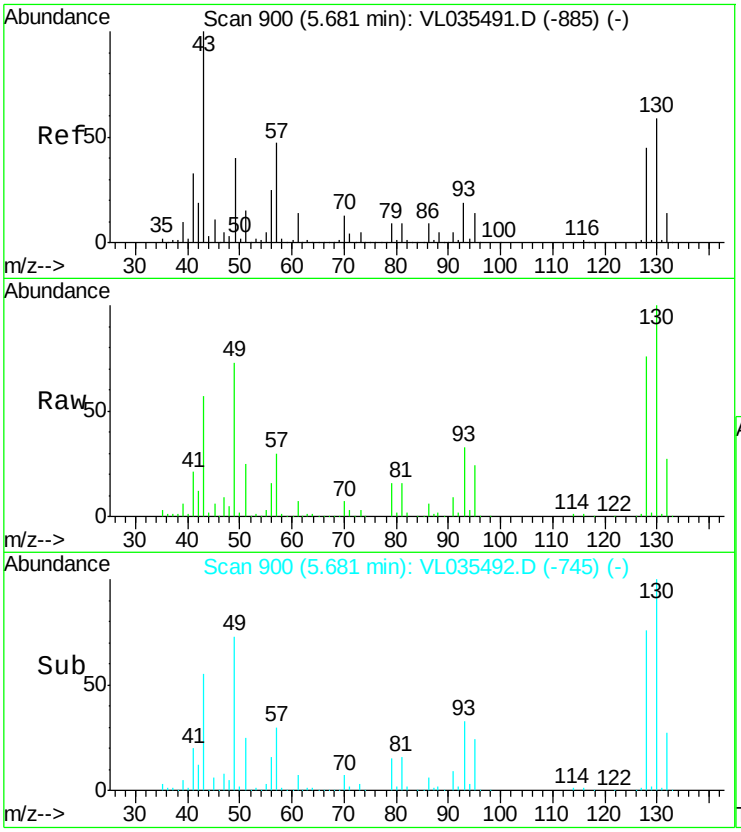


#24
1,1-Dichloroethane
Concen: 1.861 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 63 Resp: 327893

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.1	9.4
100	4.6	2.0	6.0



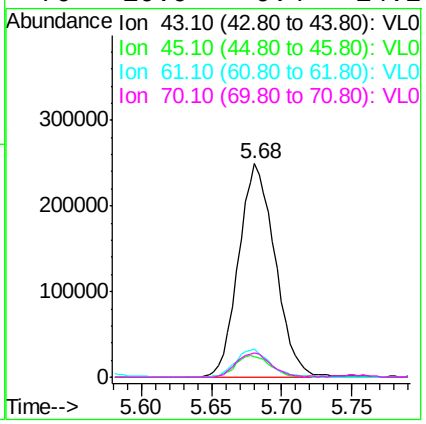


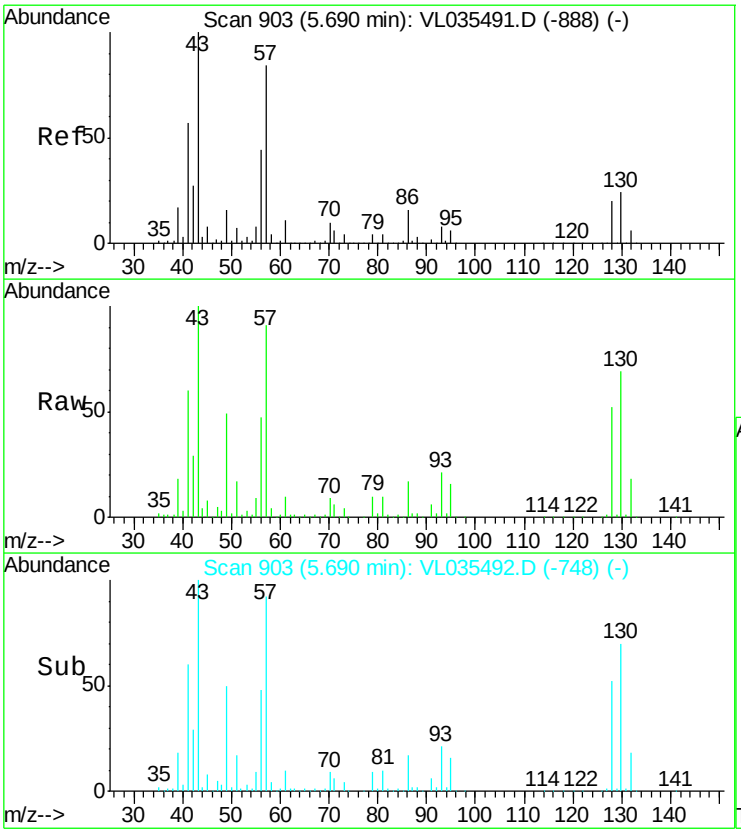
#25
Ethyl Acetate
Concen: 1.883 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 452672

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.4	12.6
61	12.4	10.6	16.0
70	10.9	9.4	14.2

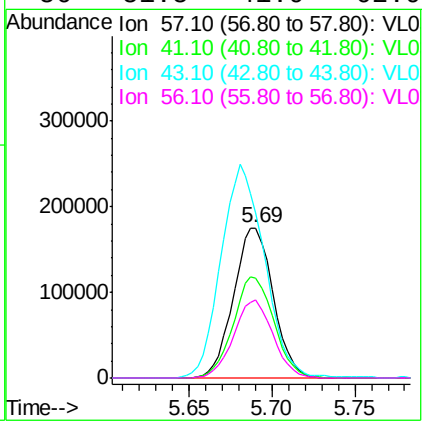


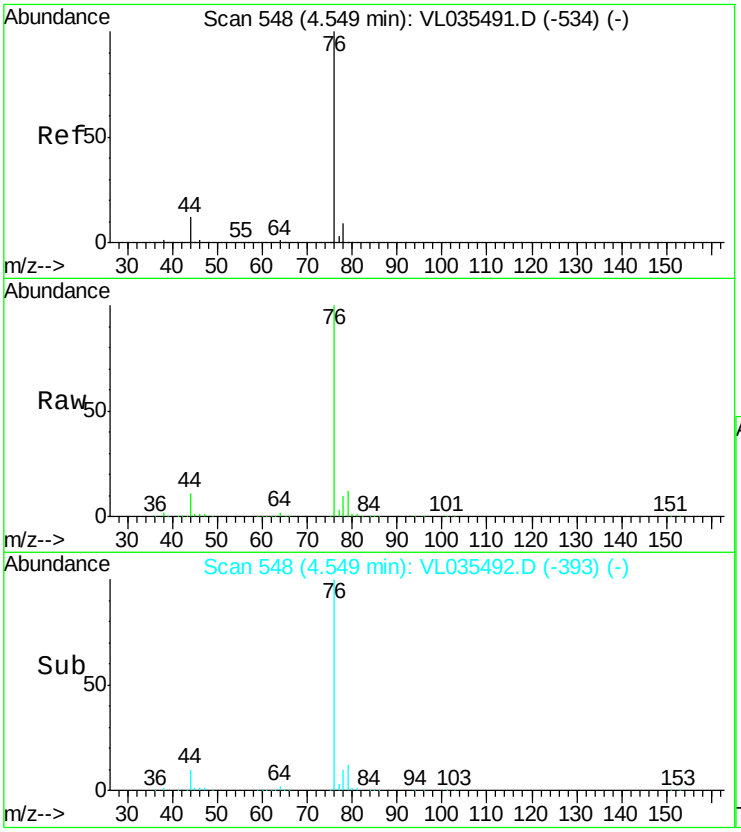


#26
Hexane
Concen: 2.152 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 57 Resp: 291827

Ion	Ratio	Lower	Upper
57	100		
41	69.8	56.7	85.1
43	156.5	141.9	212.9
56	51.5	41.9	62.9



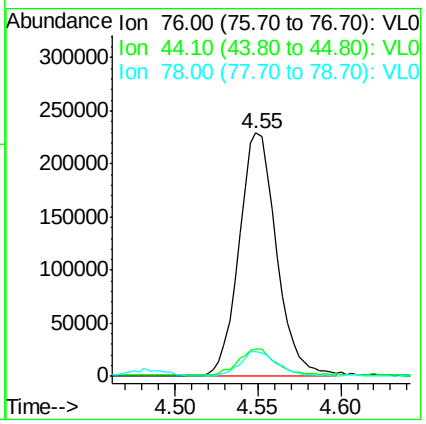


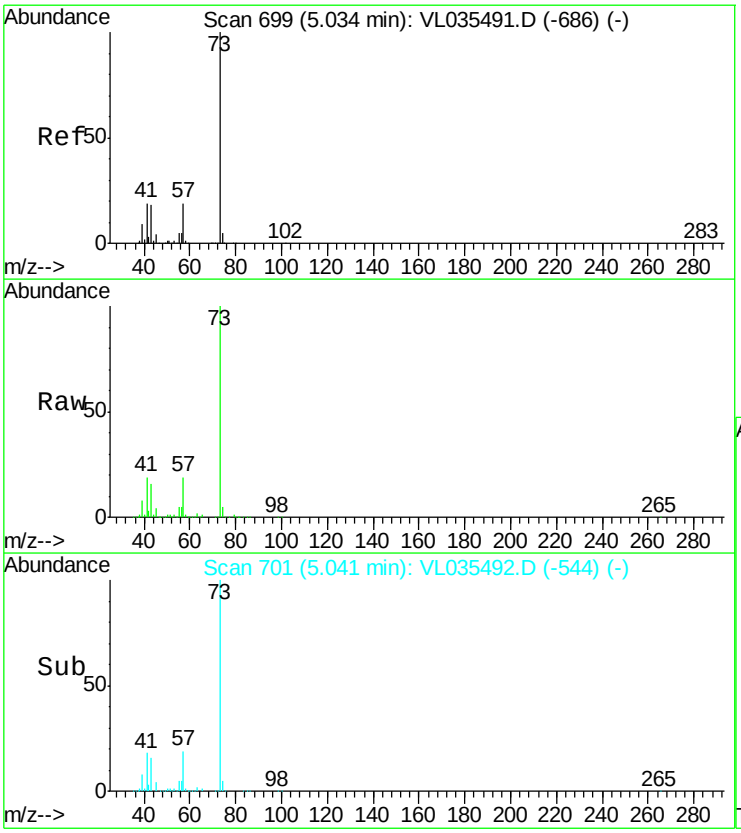
#27
Carbon Disulfide
Concen: 1.834 ppbv
RT: 4.55 min Scan# 548
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 76 Resp: 359596

Ion	Ratio	Lower	Upper
76	100		
44	11.3	9.2	13.8
78	10.8	7.8	11.8

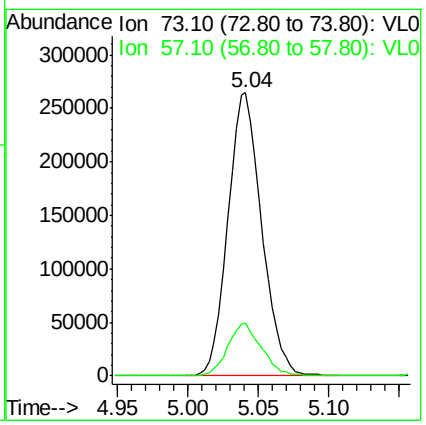


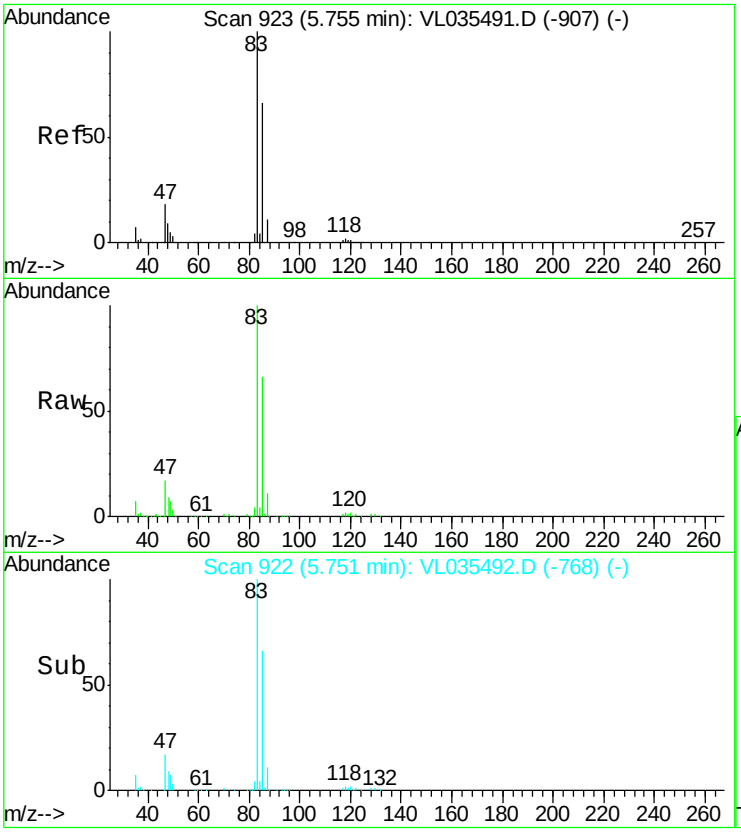


#28
Methyl tert-Butyl Ether
Concen: 1.791 ppbv
RT: 5.04 min Scan# 701
Delta R.T. 0.01 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 73 Resp: 443640

Ion	Ratio	Lower	Upper
73	100		
57	18.6	15.1	22.7



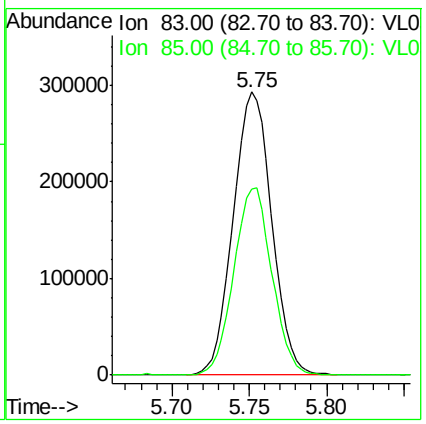


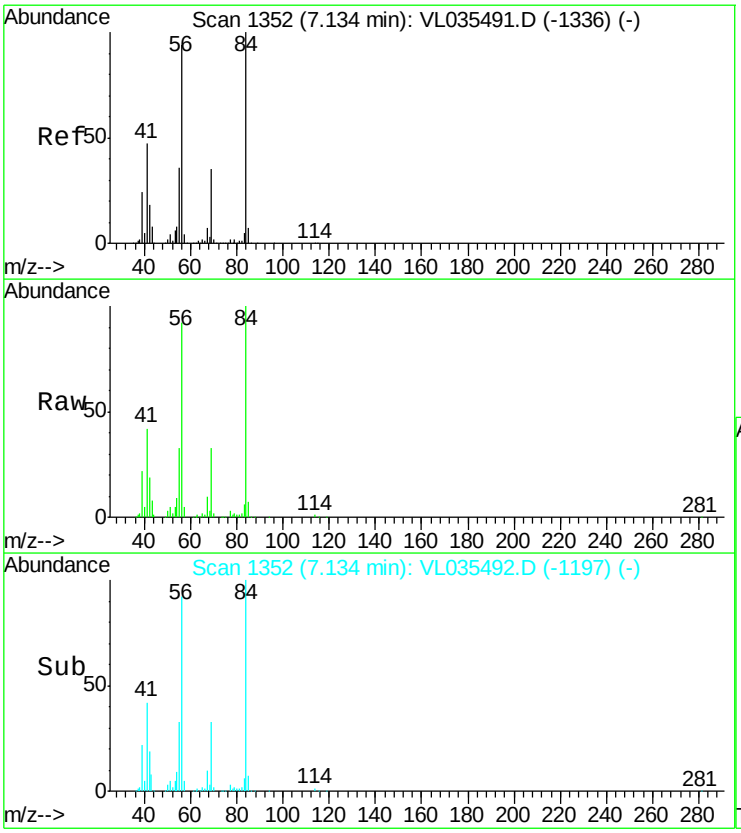
#29
Chloroform
Concen: 1.866 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 508551

Ion	Ratio	Lower	Upper
83	100		
85	65.8	53.1	79.7

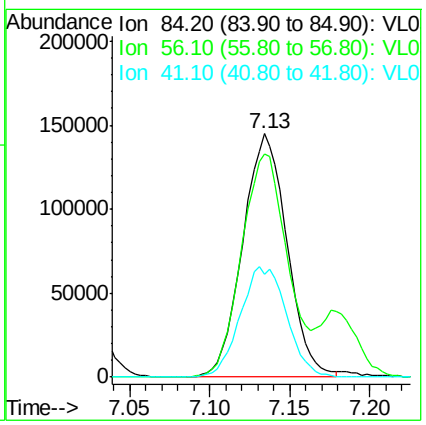


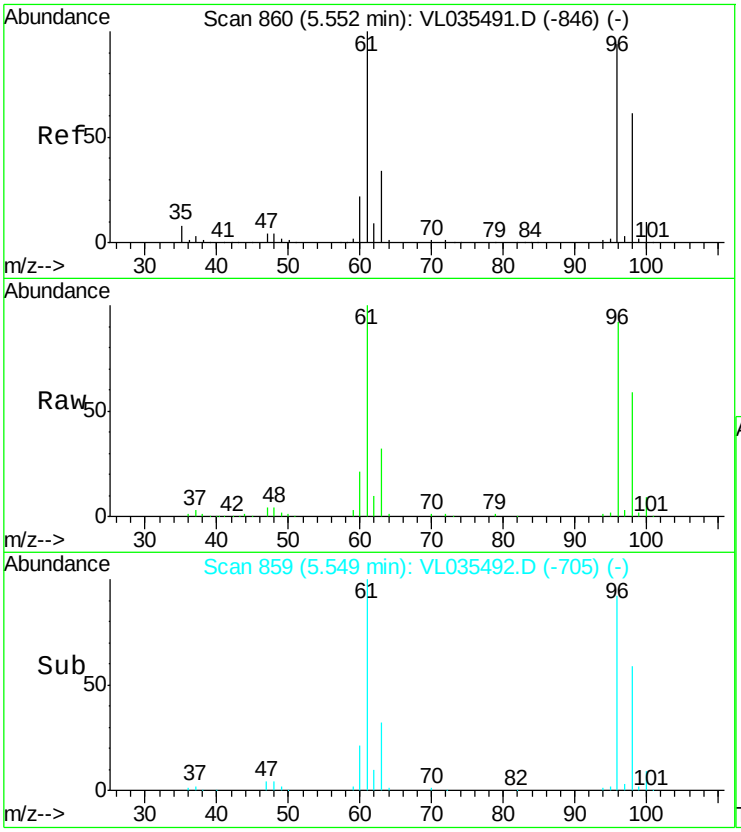


#30
Cyclohexane
Concen: 1.823 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 84 Resp: 274355

Ion	Ratio	Lower	Upper
84	100		
56	119.5	79.9	119.9
41	47.5	37.6	56.4



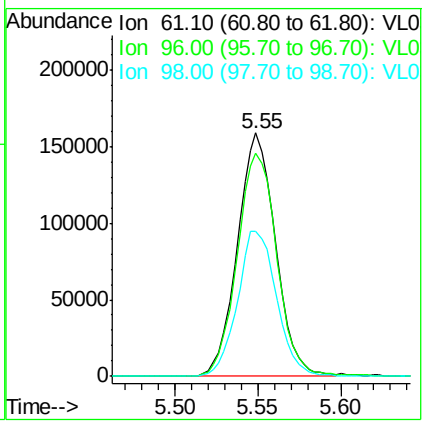


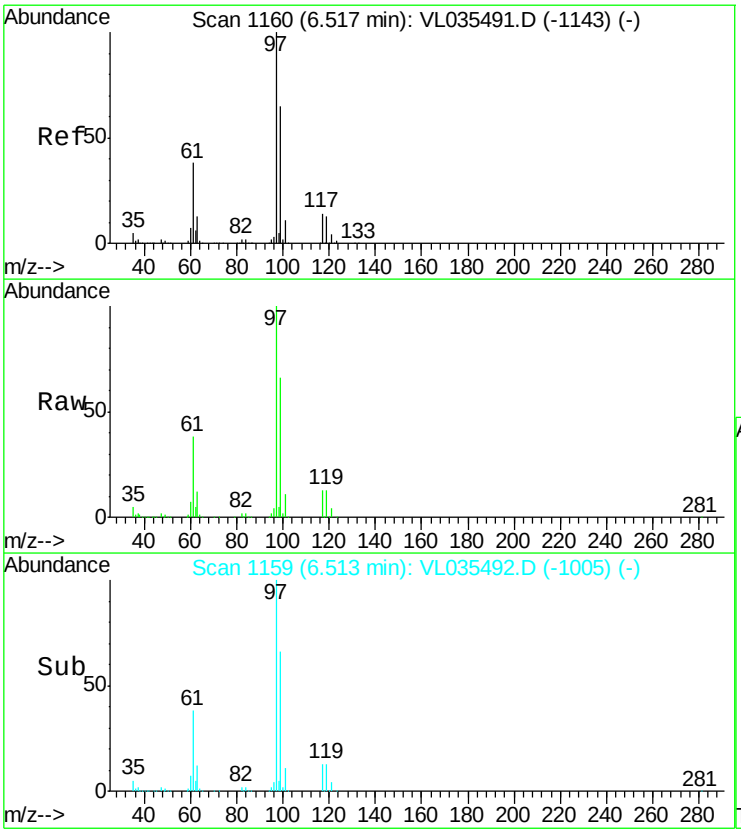
#31
cis-1,2-Dichloroethene
Concen: 1.783 ppbv
RT: 5.55 min Scan# 859
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 254297

Ion	Ratio	Lower	Upper
61	100		
96	91.6	75.5	113.3
98	59.4	48.9	73.3

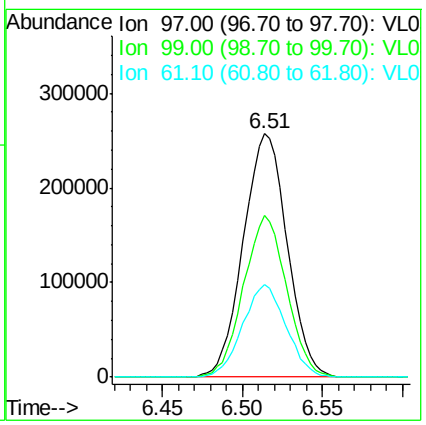


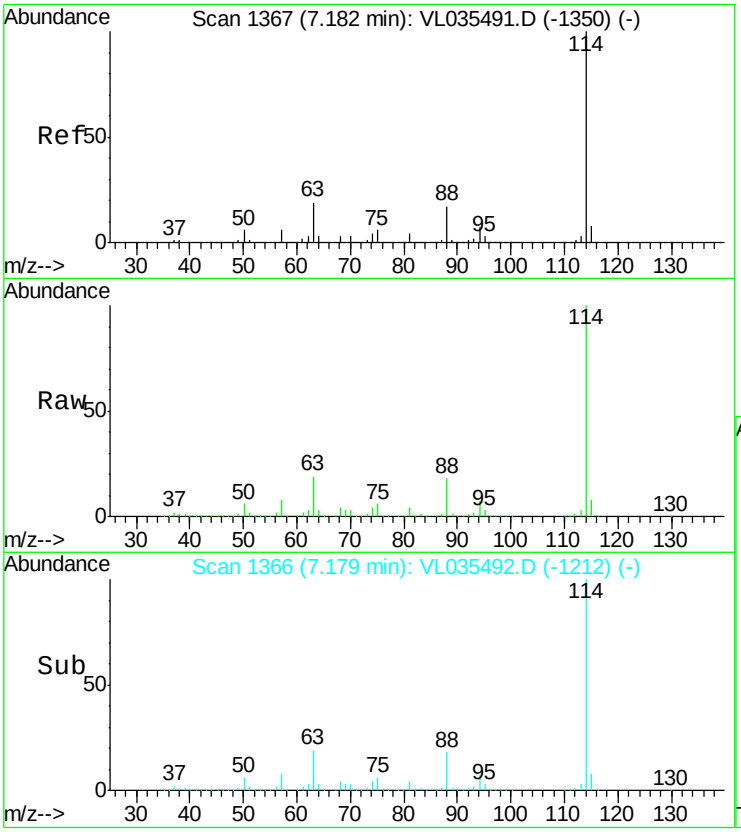


#32
1,1,1-Trichloroethane
Concen: 1.898 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 97 Resp: 484709

Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.7	79.1
61	37.8	30.2	45.2



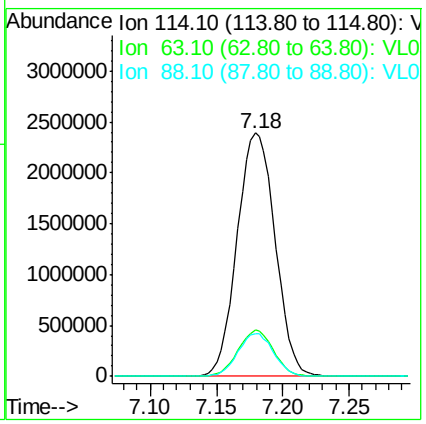


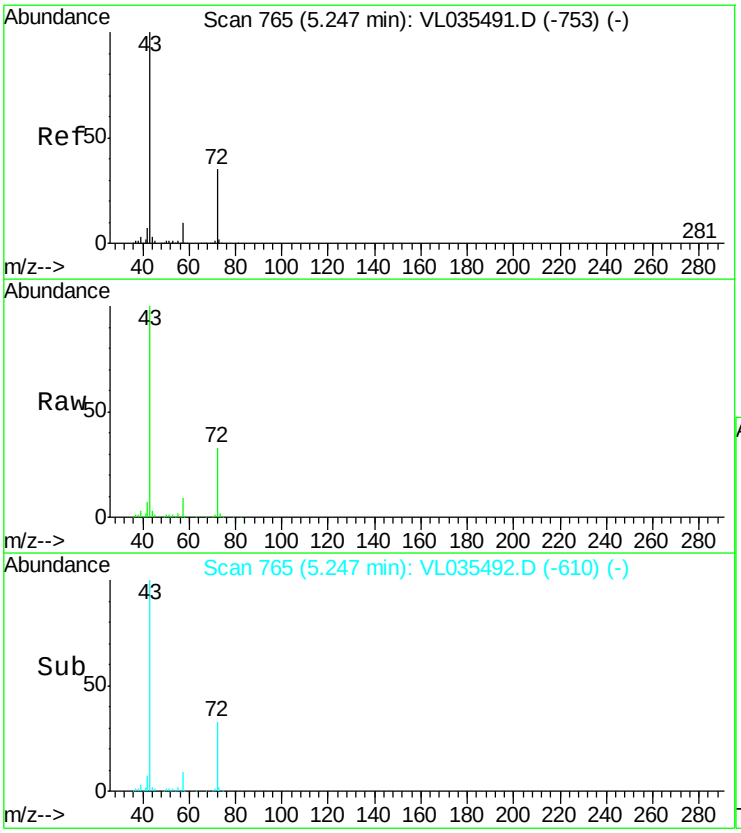
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 4760787

Ion	Ratio	Lower	Upper
114	100		
63	17.8	14.3	21.5
88	16.7	13.2	19.8

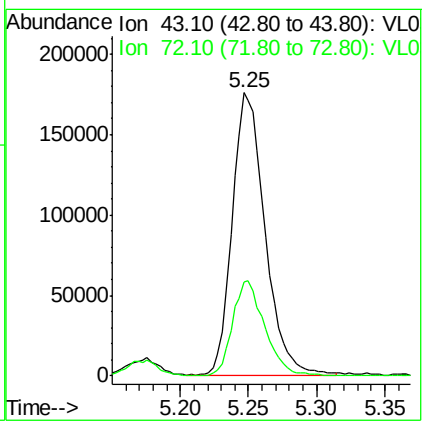


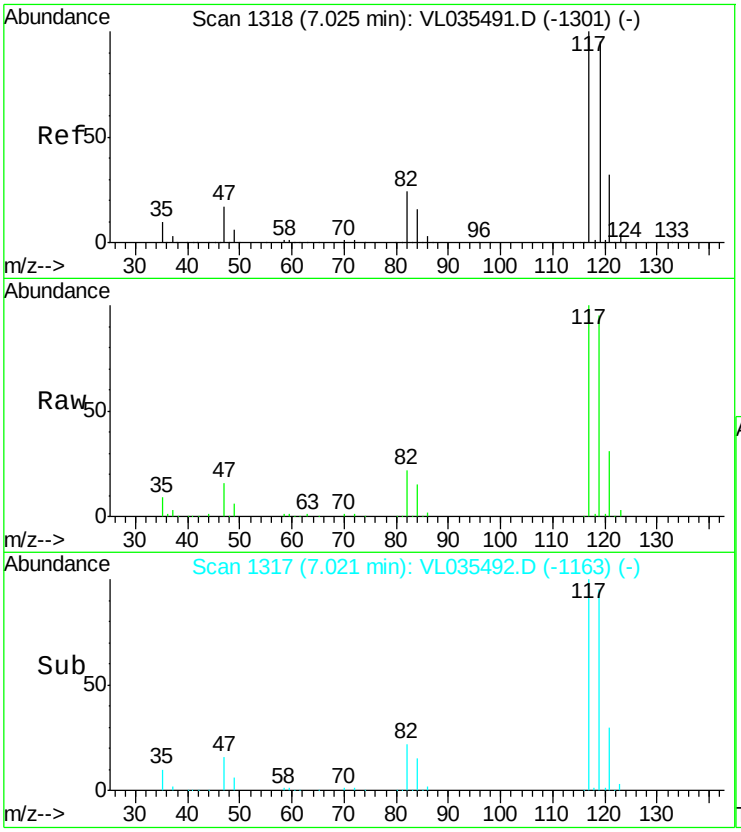


#34
2-Butanone
Concen: 1.829 ppbv
RT: 5.25 min Scan# 765
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 43 Resp: 290947

Ion	Ratio	Lower	Upper
43	100		
72	33.5	27.6	41.4



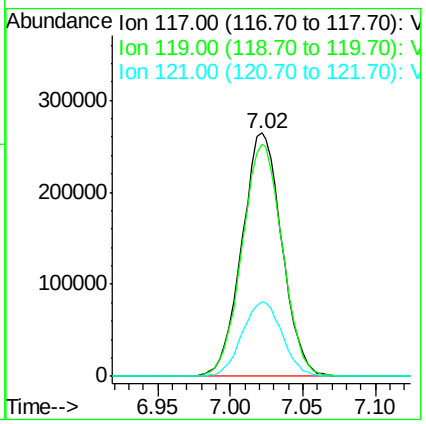


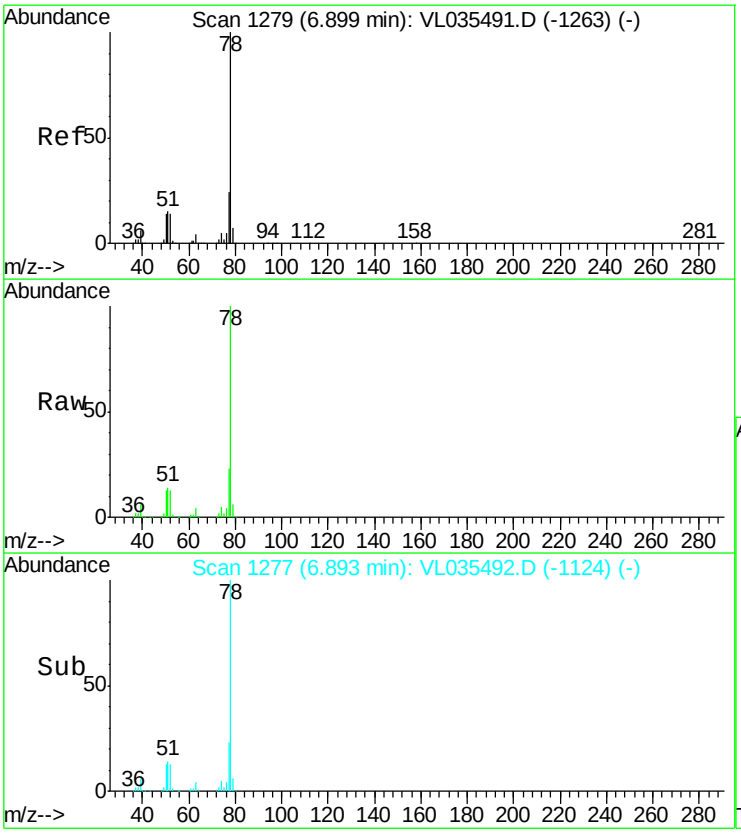
#35
Carbon Tetrachloride
Concen: 2.007 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:117 Resp: 508052

Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.6	113.4
121	30.7	25.6	38.4

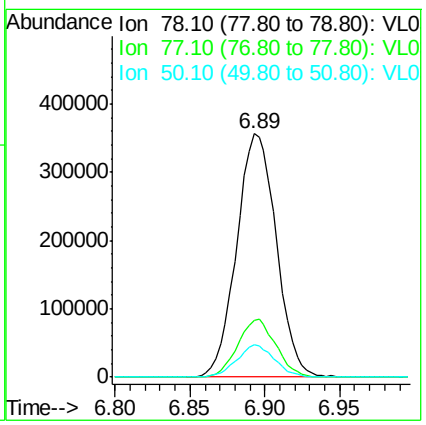


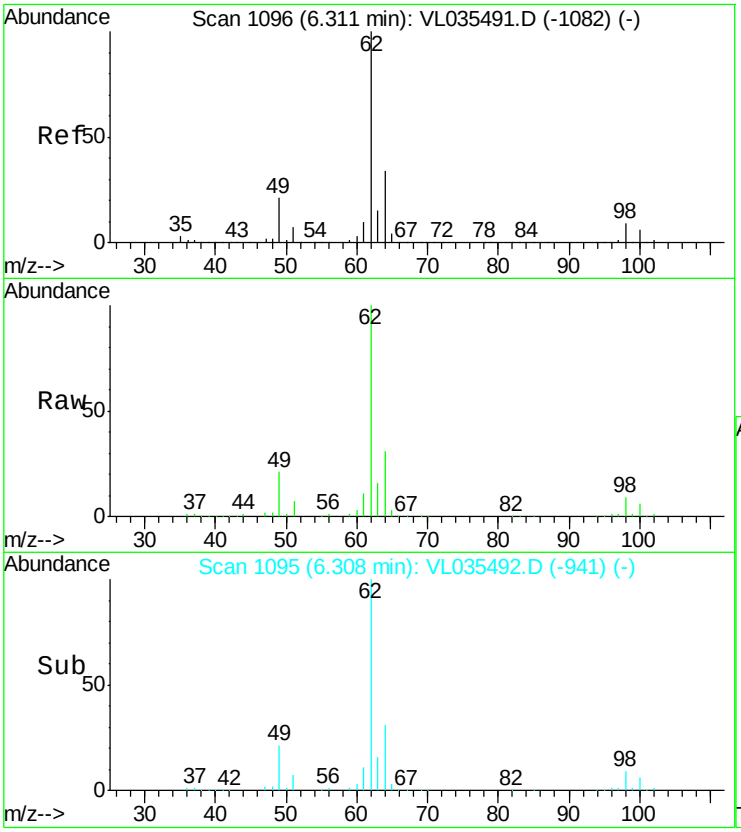


#36
Benzene
Concen: 1.876 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.01 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 78 Resp: 655452

Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.2	28.8
50	13.1	11.0	16.4



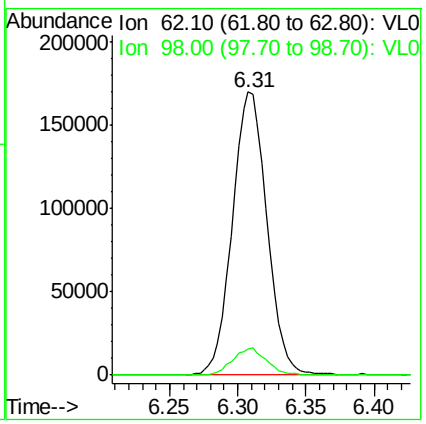


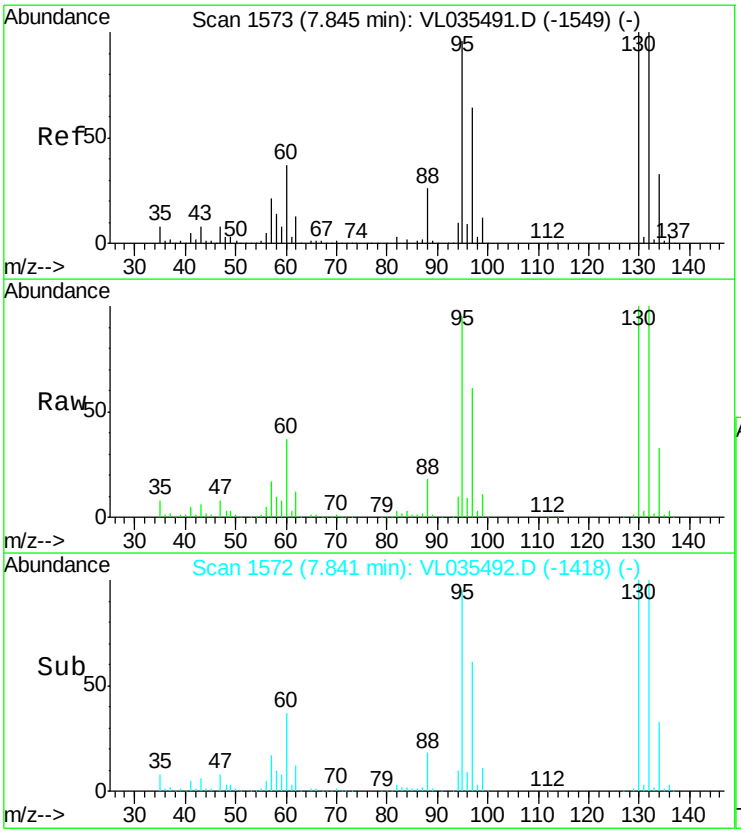
#37
1,2-Dichloroethane
Concen: 1.874 ppbv
RT: 6.31 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 299246

Ion	Ratio	Lower	Upper
62	100		
98	9.4	7.4	11.2

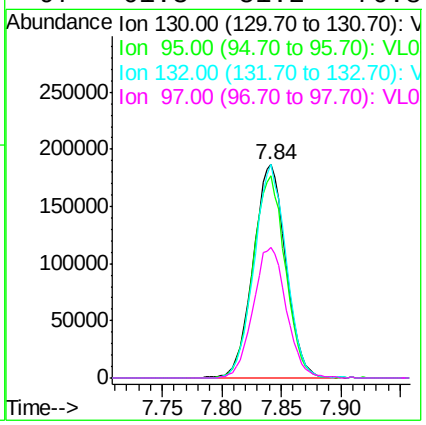


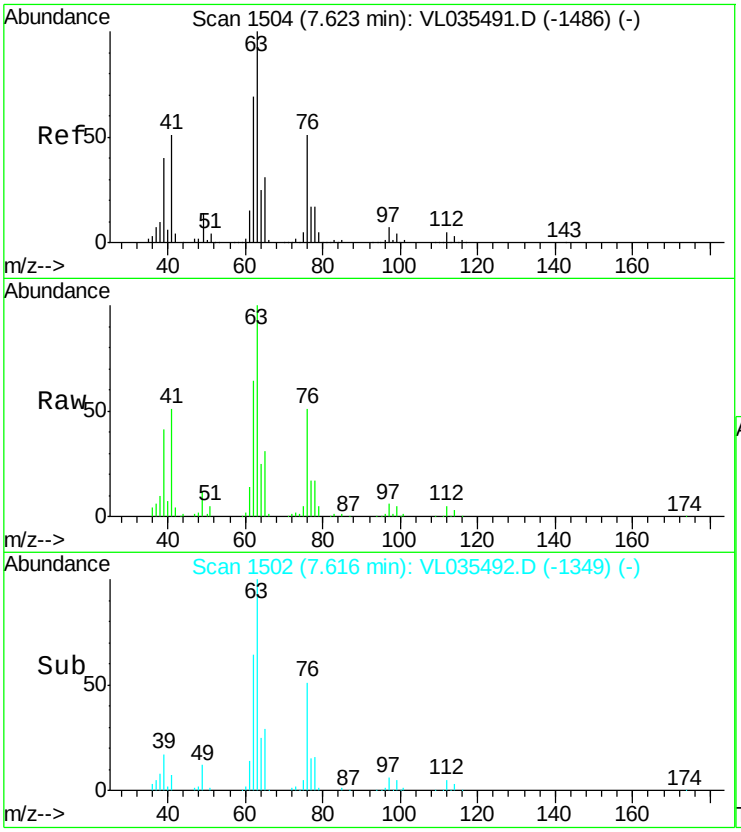


#38
Trichloroethene
Concen: 1.830 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion:130 Resp: 355630

Ion	Ratio	Lower	Upper
130	100		
95	94.9	76.9	115.3
132	100.2	80.2	120.4
97	61.3	51.2	76.8



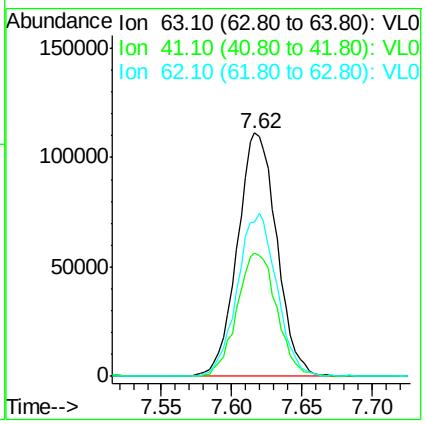


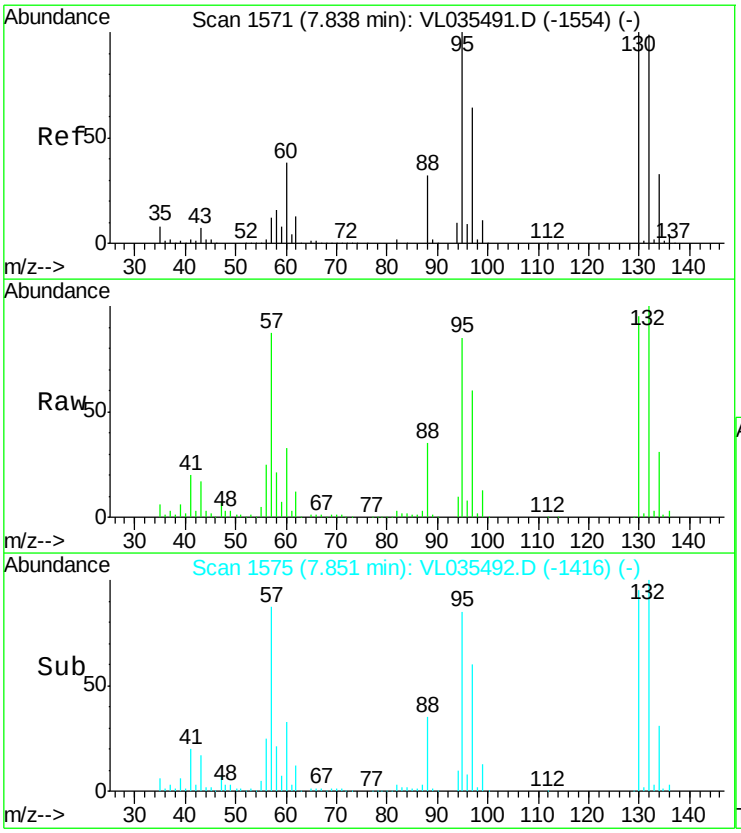
#39
1,2-Dichloropropane
Concen: 1.887 ppbv
RT: 7.62 min Scan# 1502
Delta R.T. -0.01 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 63 Resp: 217283

Ion	Ratio	Lower	Upper
63	100		
41	50.7	40.9	61.3
62	63.5	55.3	82.9

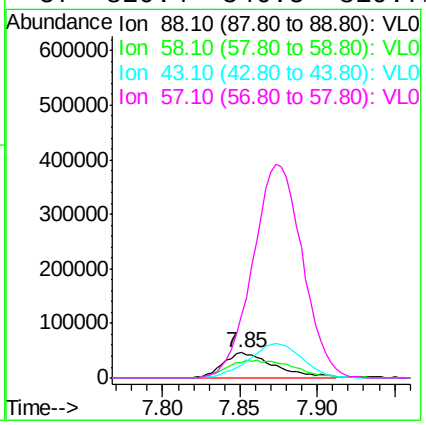


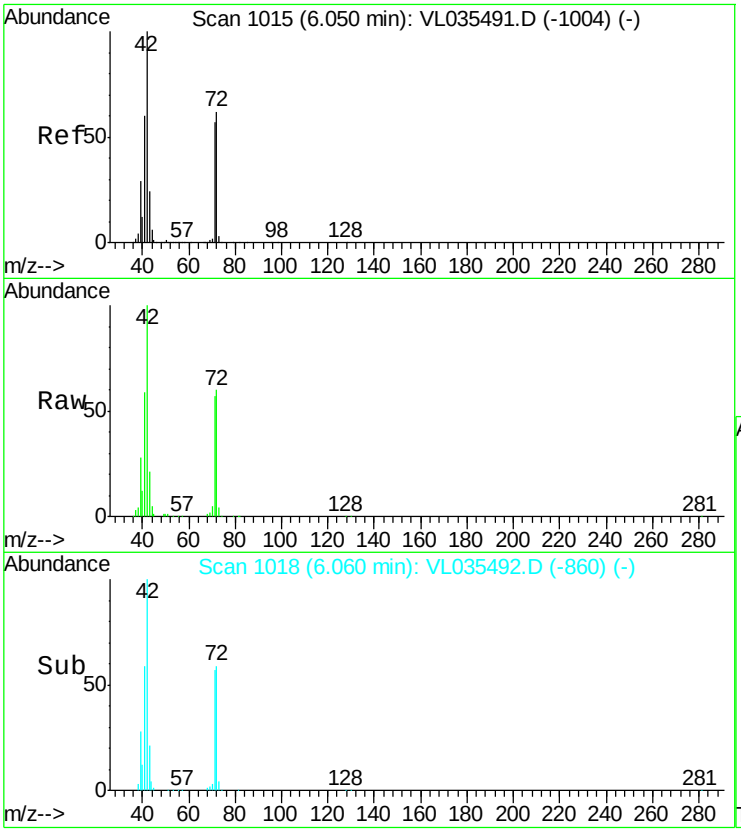


#40
1,4-Dioxane
Concen: 1.690 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 88 Resp: 106024

Ion	Ratio	Lower	Upper
88	100		
58	94.1	68.1	102.1
43	145.5	101.0	151.4
57	829.4	546.5	819.7#



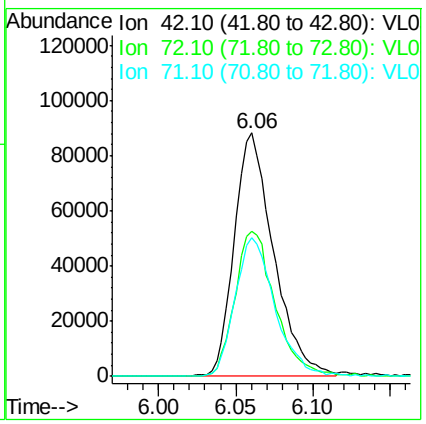


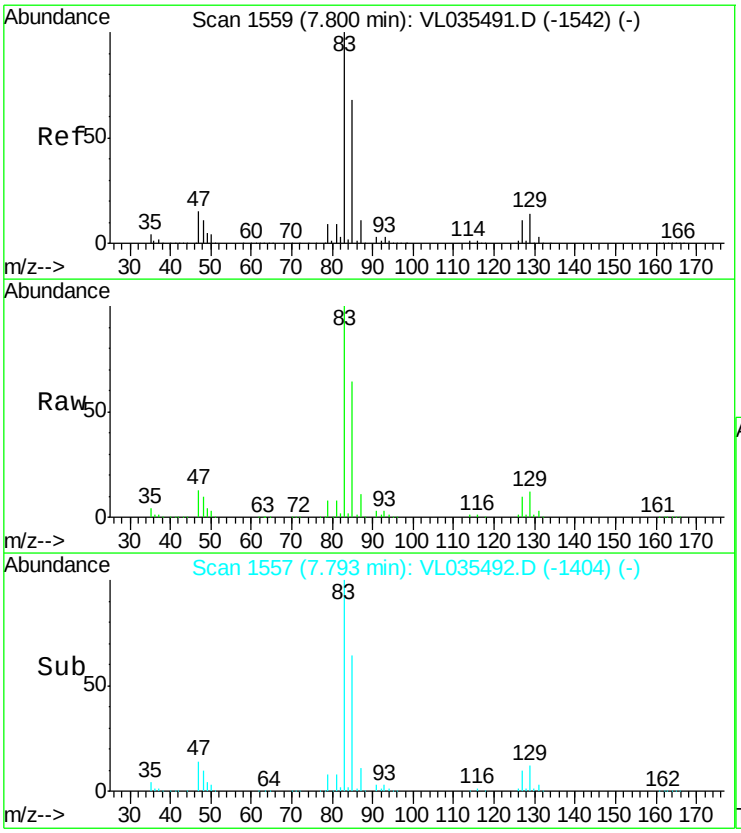
#41
Tetrahydrofuran
Concen: 1.780 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 42 Resp: 156215

Ion	Ratio	Lower	Upper
42	100		
72	60.9	49.1	73.7
71	58.1	46.7	70.1

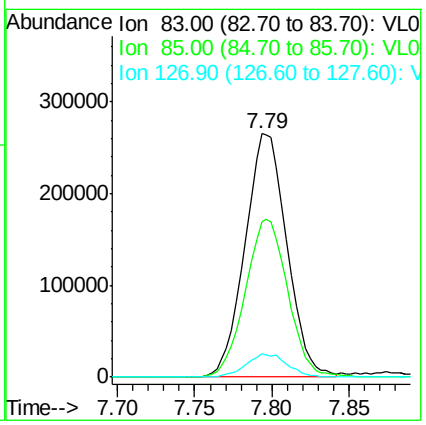


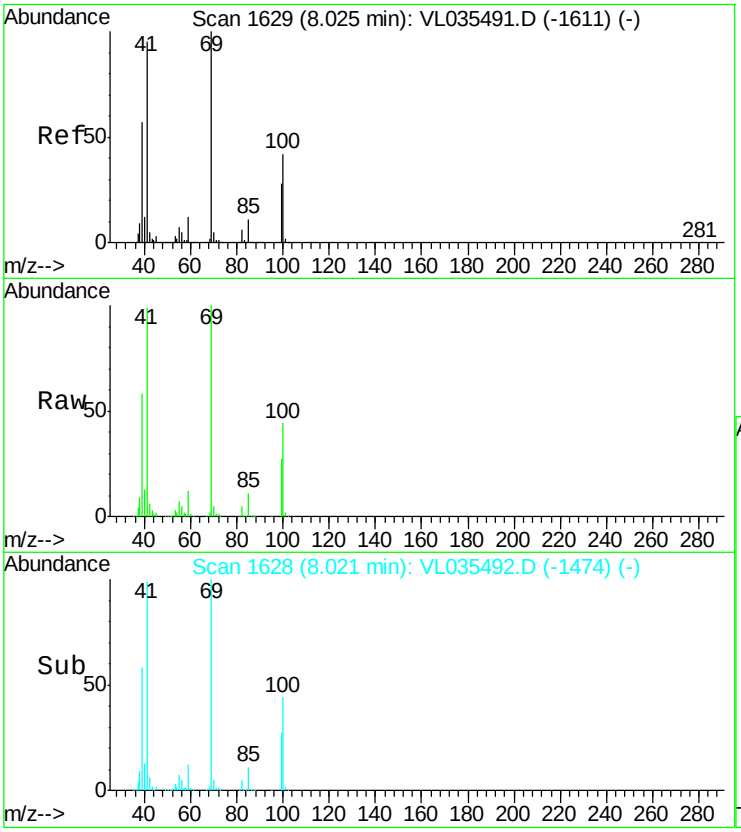


#42
Bromodichloromethane
Concen: 1.873 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 83 Resp: 500536

Ion	Ratio	Lower	Upper
83	100		
85	63.9	54.8	82.2
127	9.6	8.6	13.0



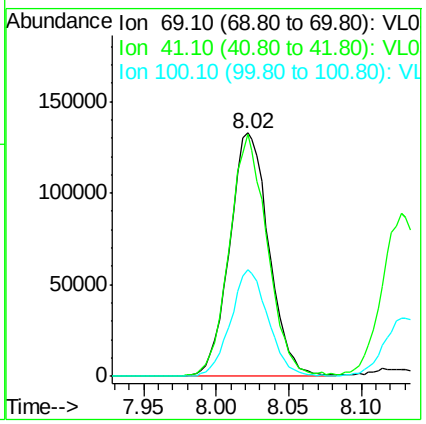


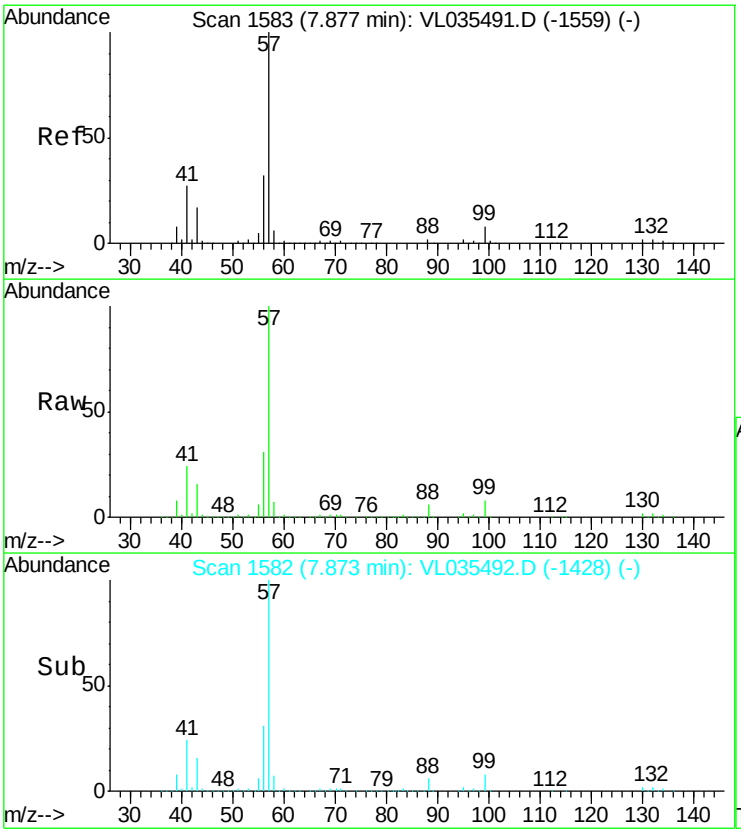
#43
Methyl Methacrylate
Concen: 1.829 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 69 Resp: 249870

Ion	Ratio	Lower	Upper
69	100		
41	96.4	76.1	114.1
100	41.9	34.2	51.4

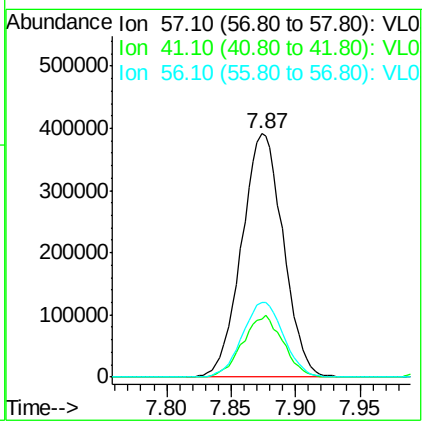


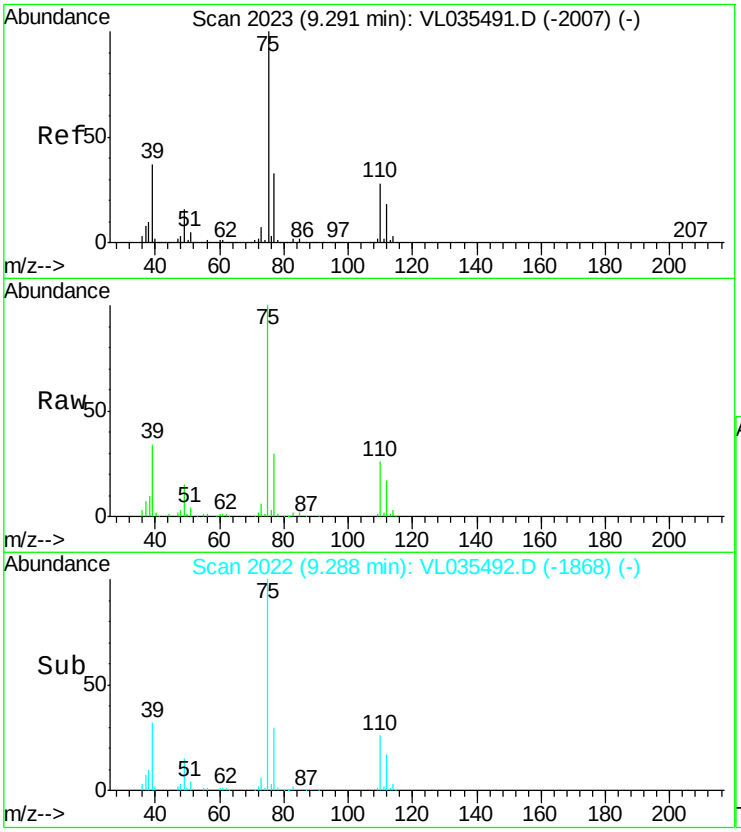


#44
2,2,4-Trimethylpentane
Concen: 1.926 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 57 Resp: 878998

Ion	Ratio	Lower	Upper
57	100		
41	24.5	20.7	31.1
56	30.5	25.3	37.9



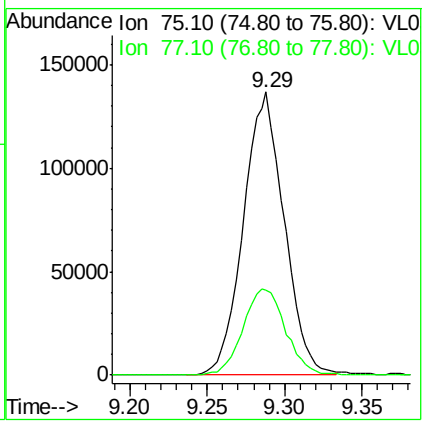


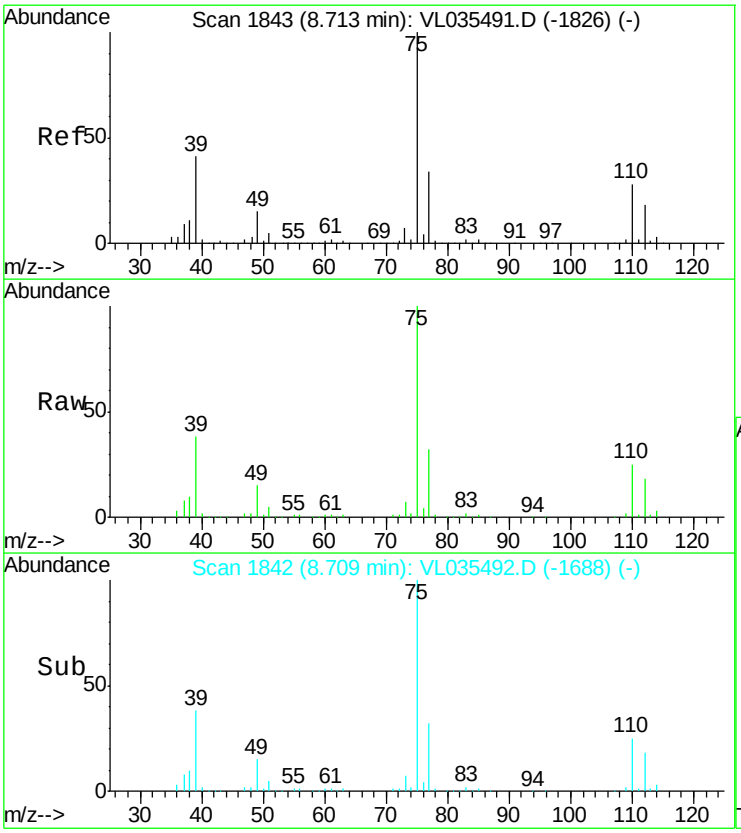
#45
t-1,3-Dichloropropene
Concen: 1.780 ppbv
RT: 9.29 min Scan# 2022
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 250575

Ion	Ratio	Lower	Upper
75	100		
77	30.2	26.6	39.8

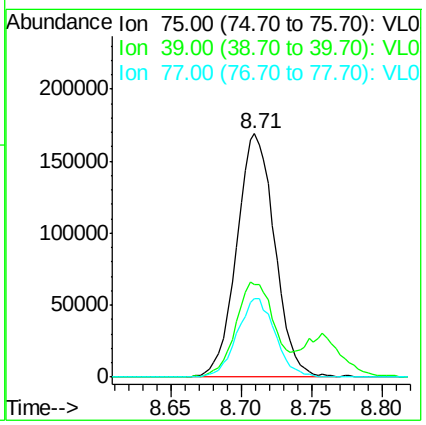


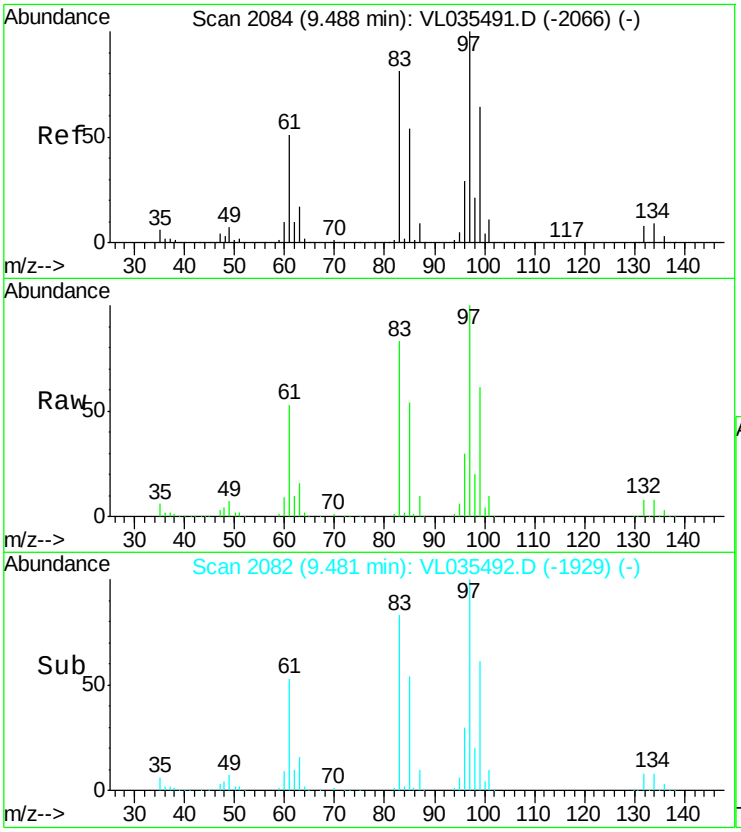


#46
cis-1,3-Dichloropropene
Concen: 1.822 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 75 Resp: 319526

Ion	Ratio	Lower	Upper
75	100		
39	38.0	33.2	49.8
77	32.4	27.1	40.7



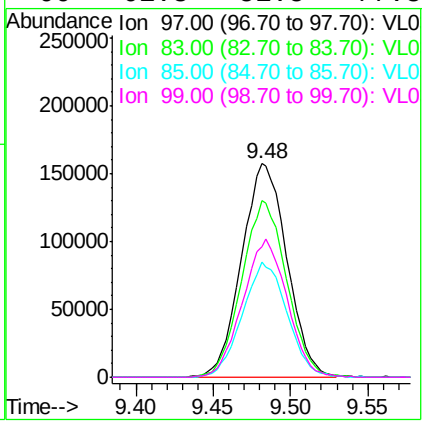


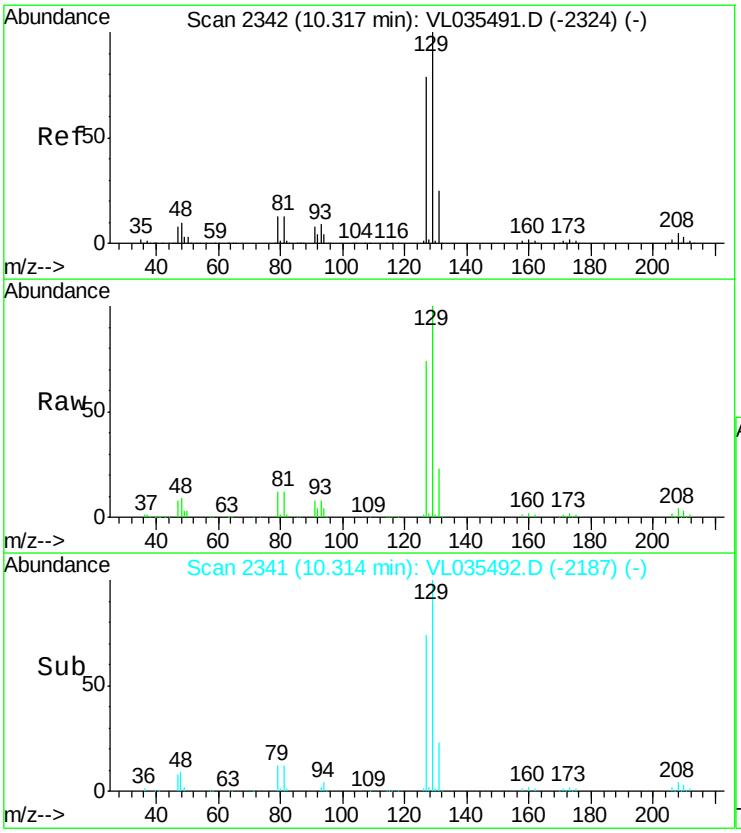
#47
1,1,2-Trichloroethane
Concen: 1.866 ppbv
RT: 9.48 min Scan# 2082
Delta R.T. -0.01 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 97 Resp: 320893

Ion	Ratio	Lower	Upper
97	100		
83	82.5	64.9	97.3
85	54.0	43.1	64.7
99	61.3	51.5	77.3

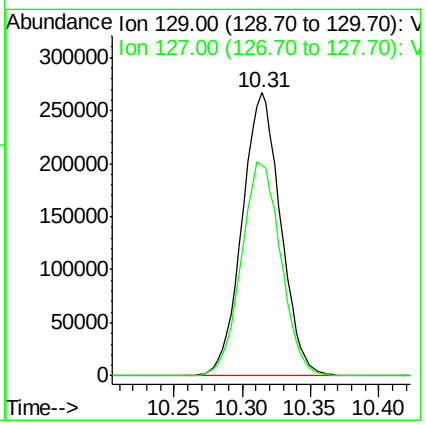


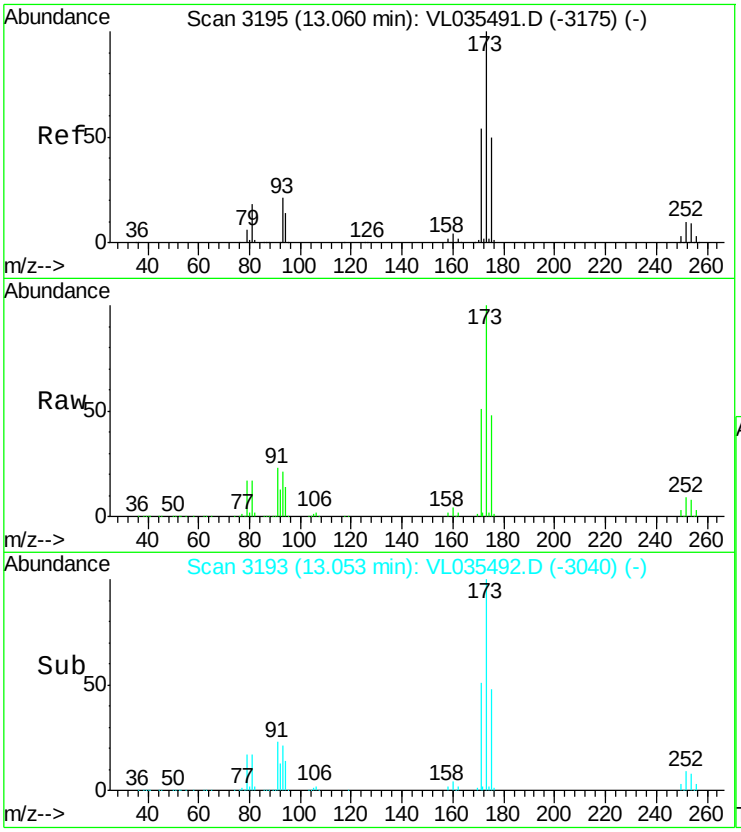


#48
Dibromochloromethane
Concen: 1.814 ppbv
RT: 10.31 min Scan# 2341
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion:129 Resp: 523282

Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.1	117.5



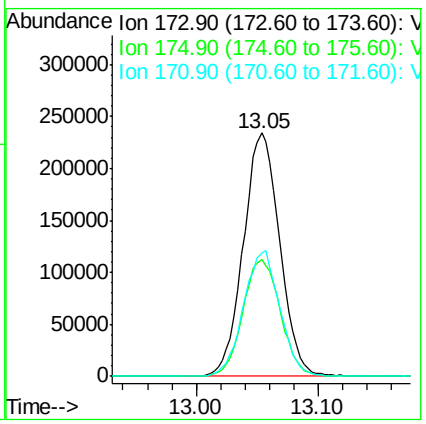


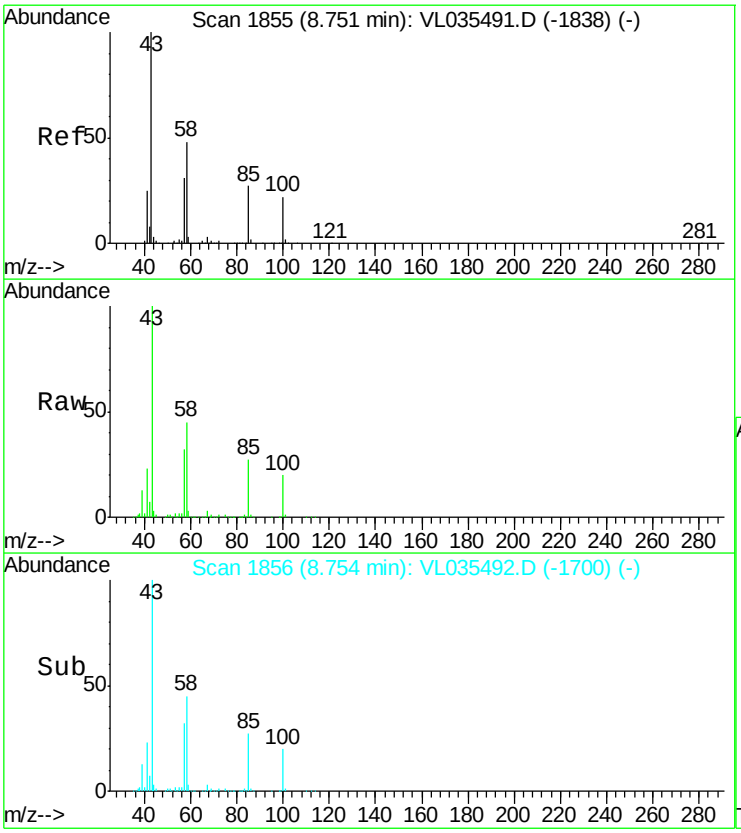
#49
Bromoform
Concen: 1.729 ppbv
RT: 13.05 min Scan# 3193
Delta R.T. -0.01 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:173 Resp: 480537

Ion	Ratio	Lower	Upper
173	100		
175	49.5	40.2	60.4
171	51.7	42.7	64.1

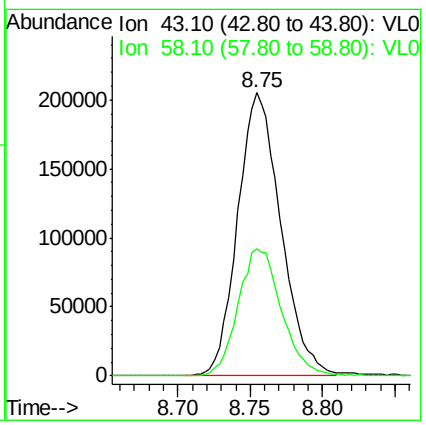


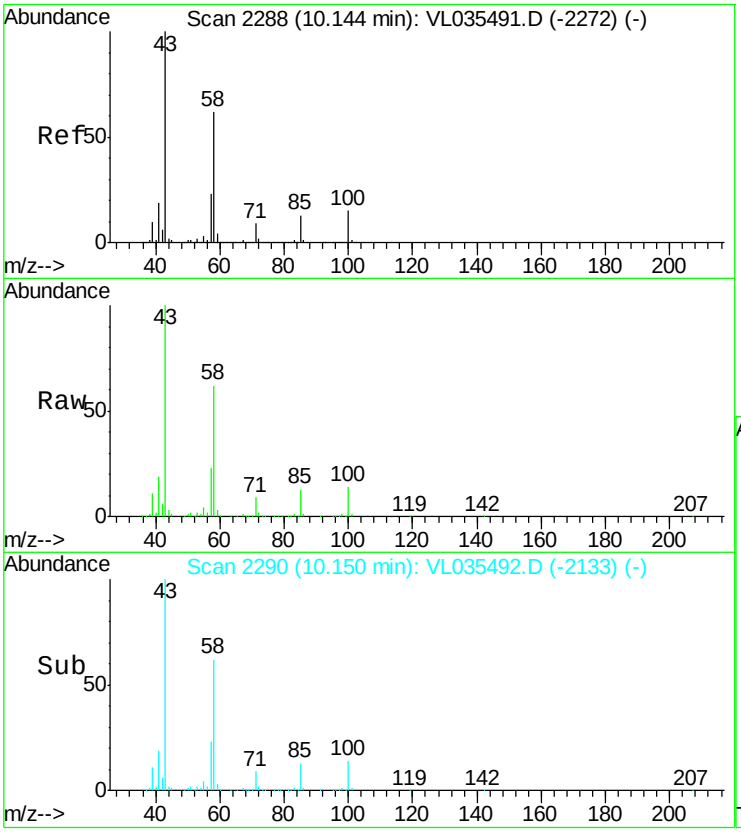


#50
4-Methyl-2-Pentanone
Concen: 1.852 ppbv
RT: 8.75 min Scan# 1856
Delta R.T. 0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 43 Resp: 422496

Ion	Ratio	Lower	Upper
43	100		
58	45.7	37.4	56.2



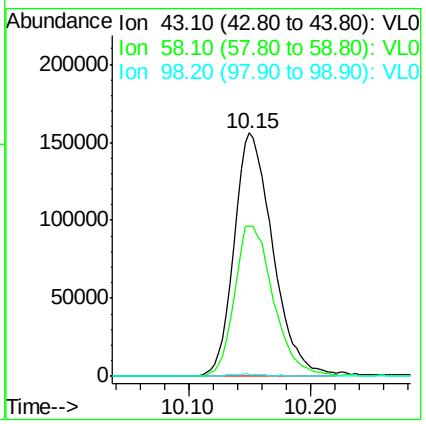


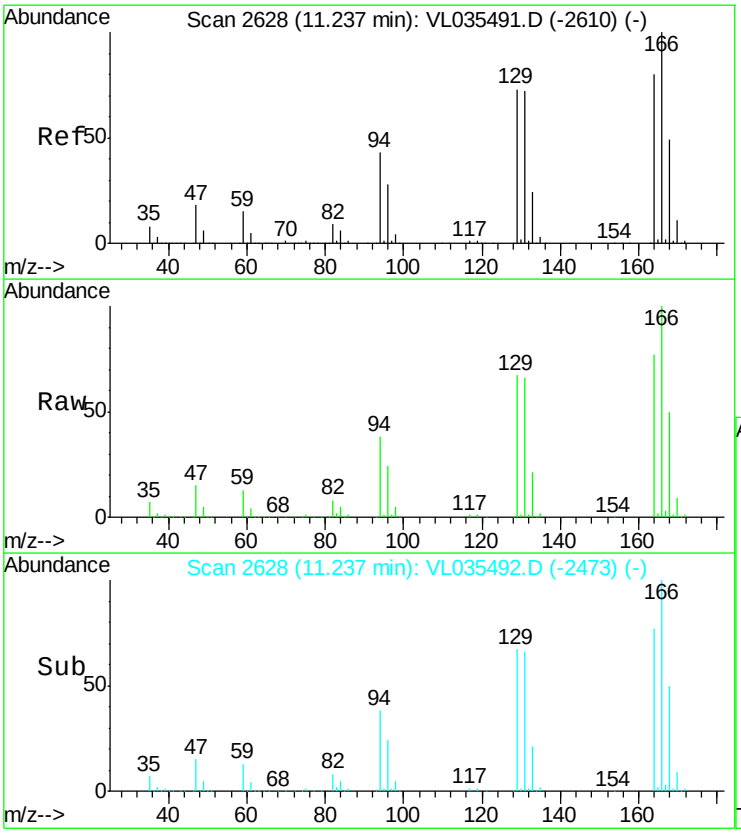
#51
2-Hexanone
Concen: 1.781 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. 0.01 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 342492

Ion	Ratio	Lower	Upper
43	100		
58	62.7	50.3	75.5
98	1.0	0.4	0.6#

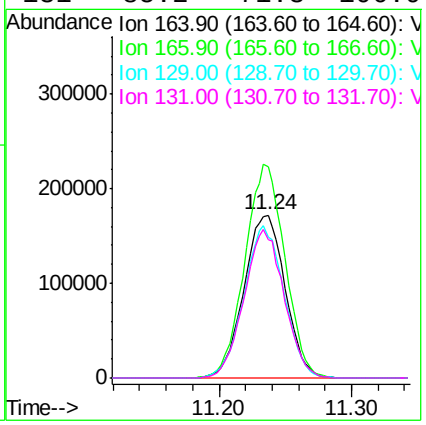


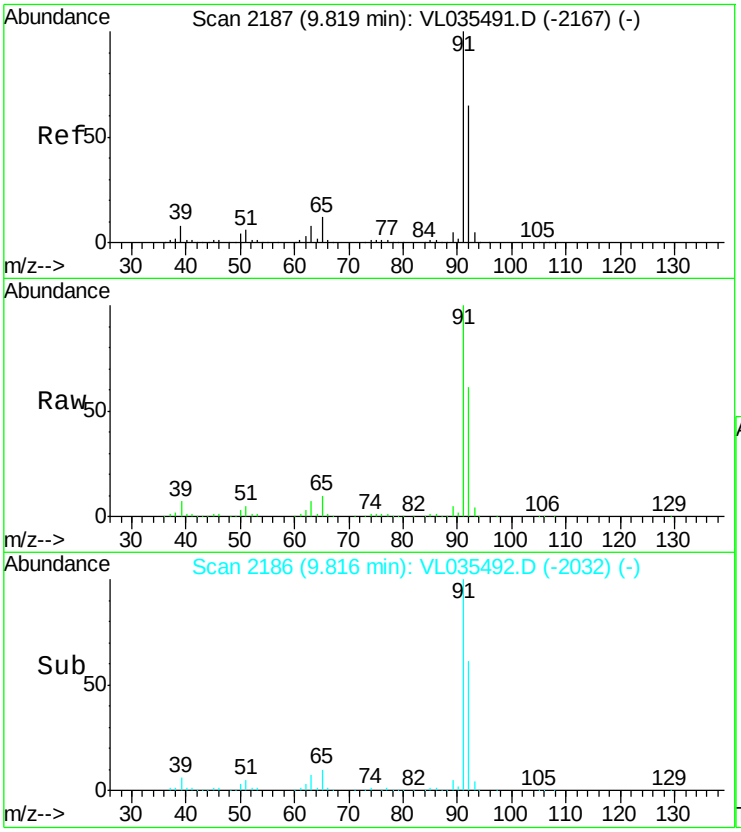


#52
Tetrachloroethene
Concen: 1.738 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion:164 Resp: 370486

Ion	Ratio	Lower	Upper
164	100		
166	129.3	99.6	149.4
129	86.5	72.8	109.2
131	85.2	71.3	106.9



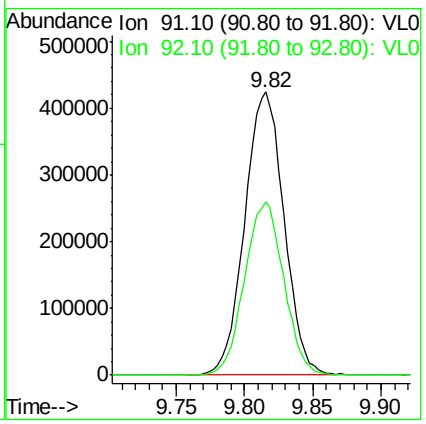


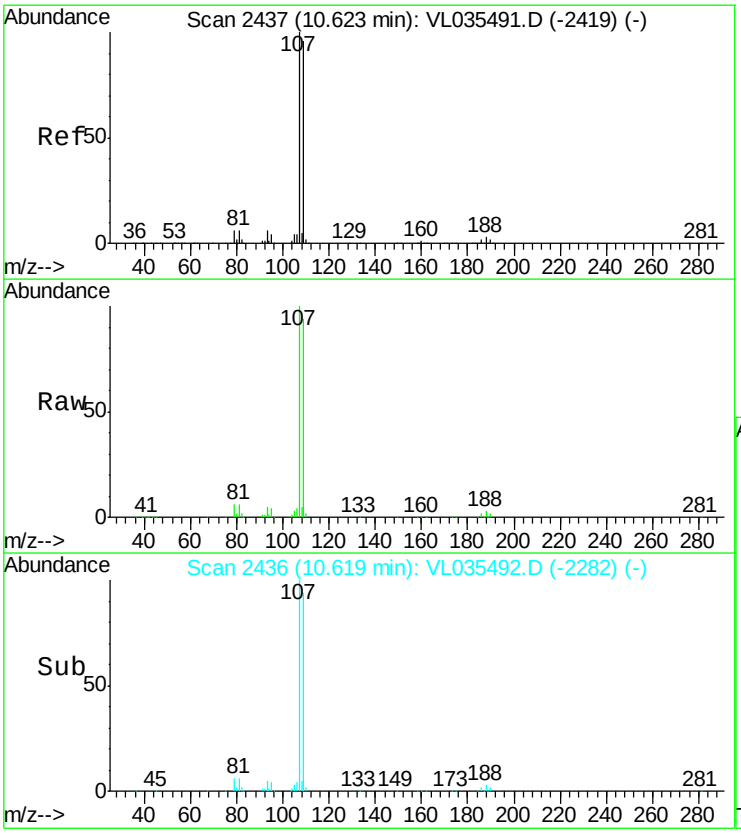
#53
Toluene
Concen: 1.883 ppbv
RT: 9.82 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 847634

Ion	Ratio	Lower	Upper
91	100		
92	60.9	49.9	74.9

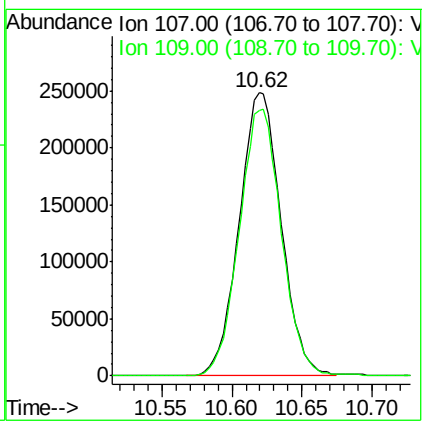


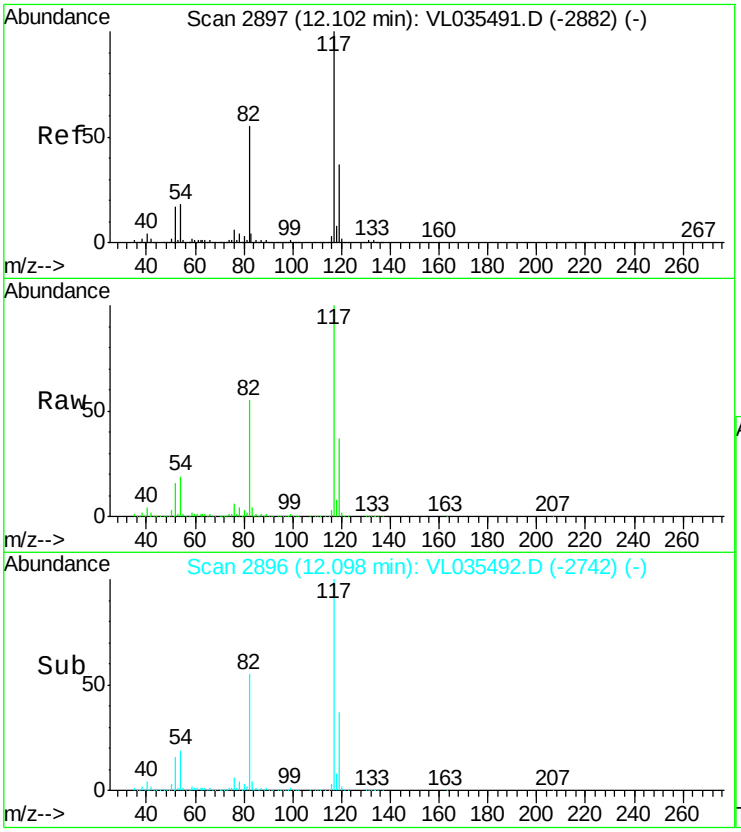


#54
1,2-Dibromoethane
Concen: 1.849 ppbv
RT: 10.62 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion:107 Resp: 516540

Ion	Ratio	Lower	Upper
107	100		
109	93.9	76.5	114.7



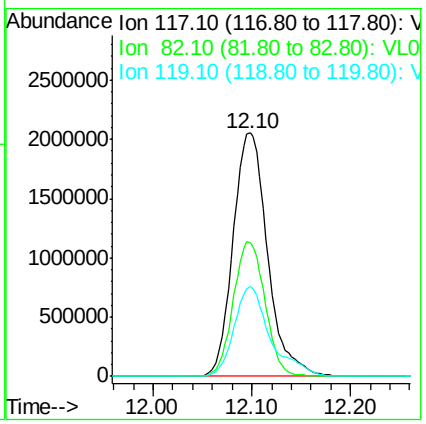


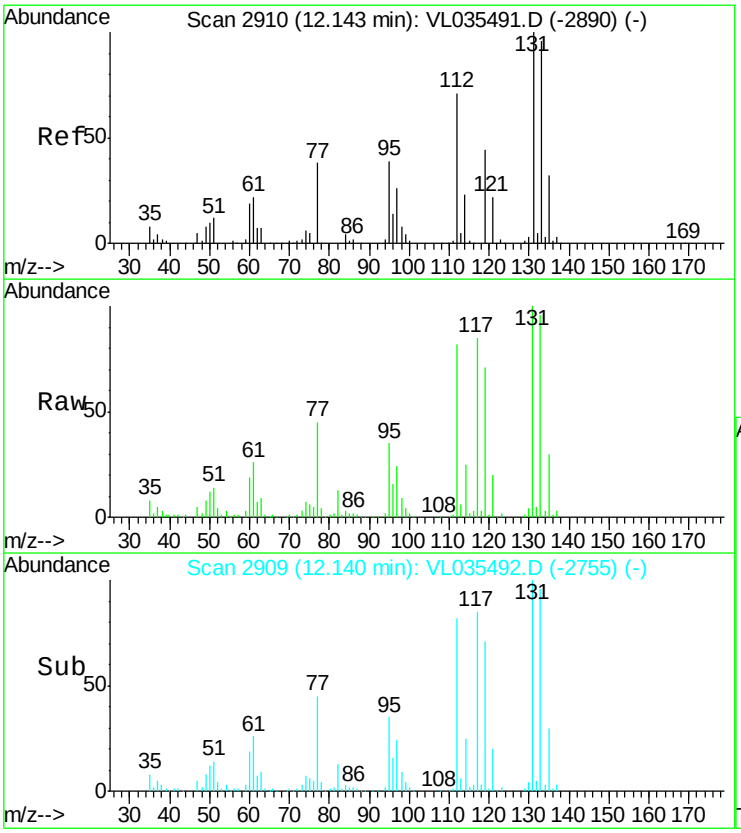
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:117 Resp: 4982528

Ion	Ratio	Lower	Upper
117	100		
82	51.2	43.9	65.9
119	38.5	30.4	45.6

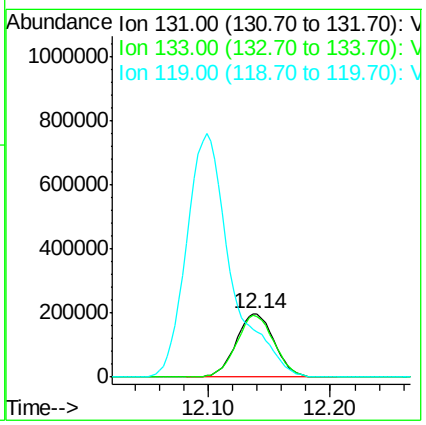


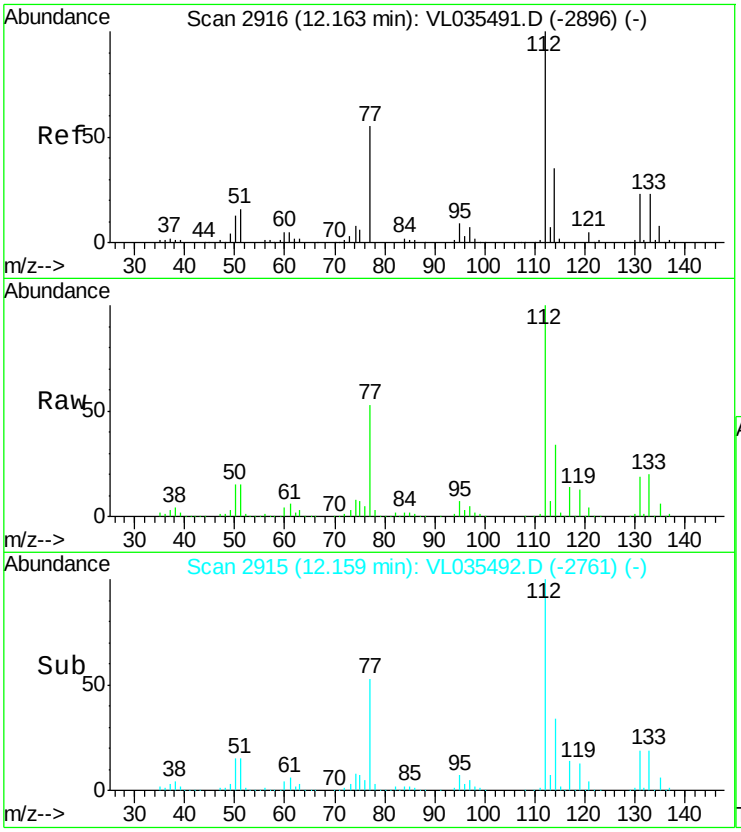


#56
1,1,1,2-Tetrachloroethane
Concen: 1.819 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion:131 Resp: 430015

Ion	Ratio	Lower	Upper
131	100		
133	95.8	76.9	115.3
119	445.7	45.3	67.9#



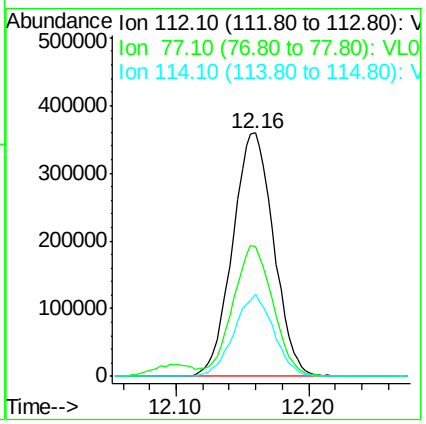


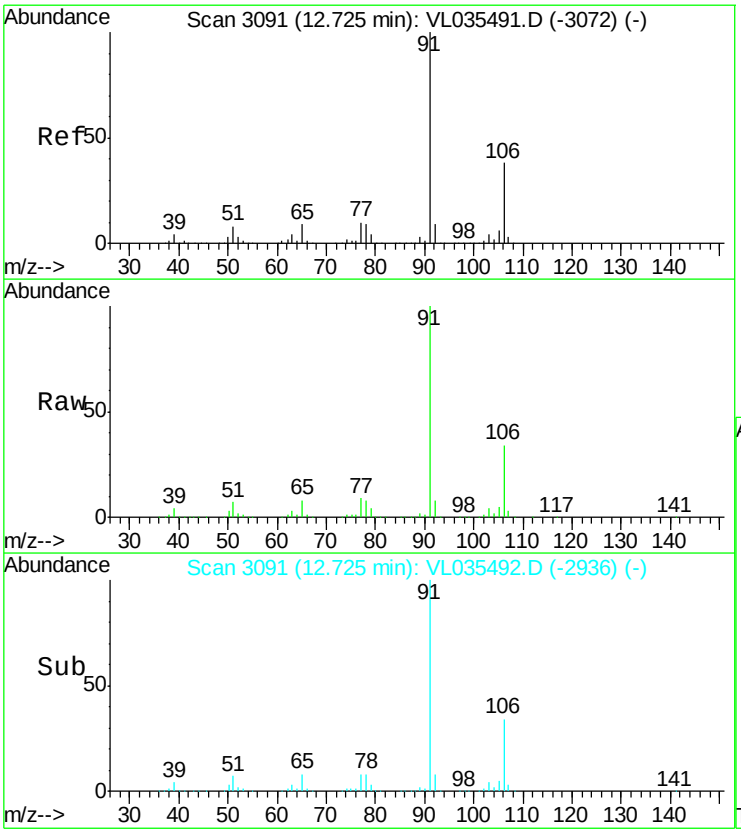
#57
Chlorobenzene
Concen: 1.853 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:112 Resp: 770782

Ion	Ratio	Lower	Upper
112	100		
77	52.9	45.2	67.8
114	33.5	31.6	38.6

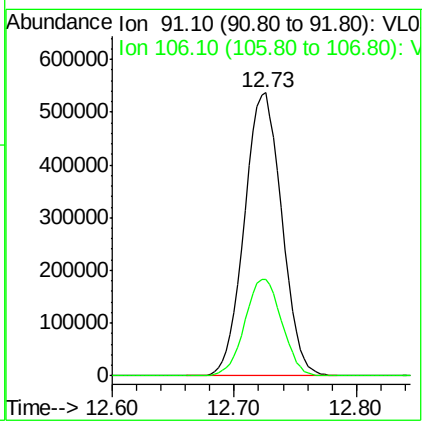


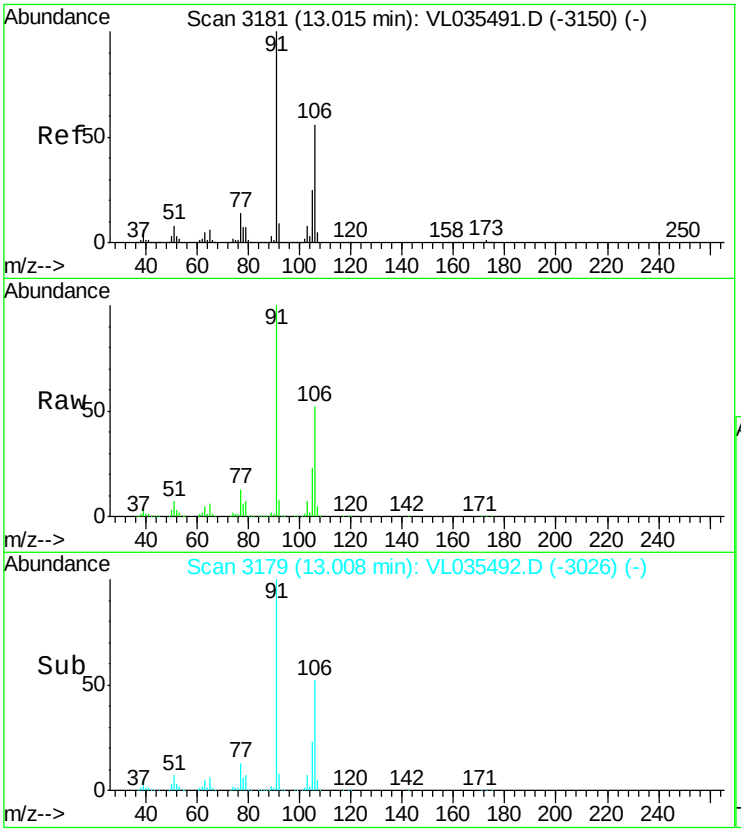


#58
Ethyl Benzene
Concen: 1.888 ppbv
RT: 12.73 min Scan# 3091
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 91 Resp: 1135413

Ion	Ratio	Lower	Upper
91	100		
106	34.0	30.2	45.2



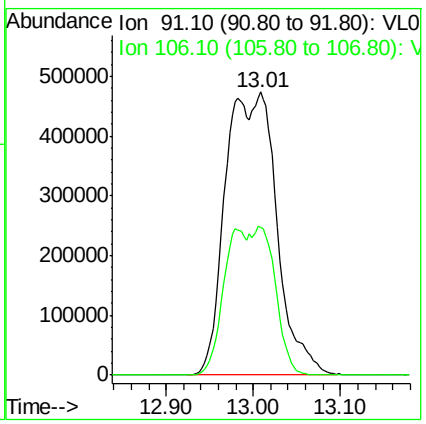


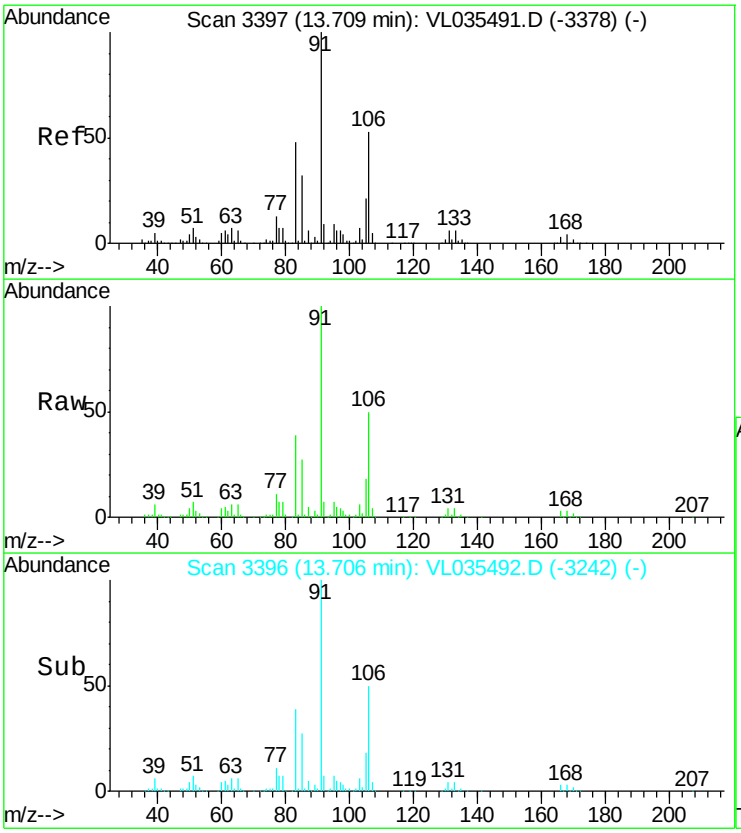
#59
m/p-Xylene
Concen: 3.809 ppbv m
RT: 13.01 min Scan# 3179
Delta R.T. -0.01 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 1936539

Ion	Ratio	Lower	Upper
91	100		
106	50.3	42.6	63.8

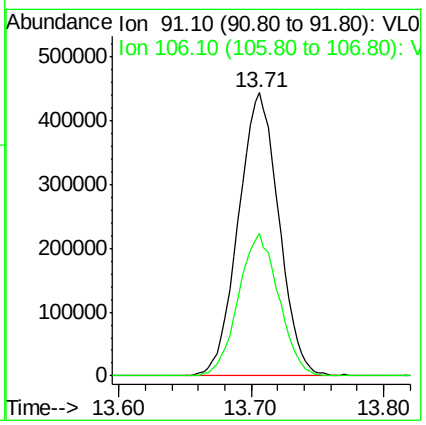


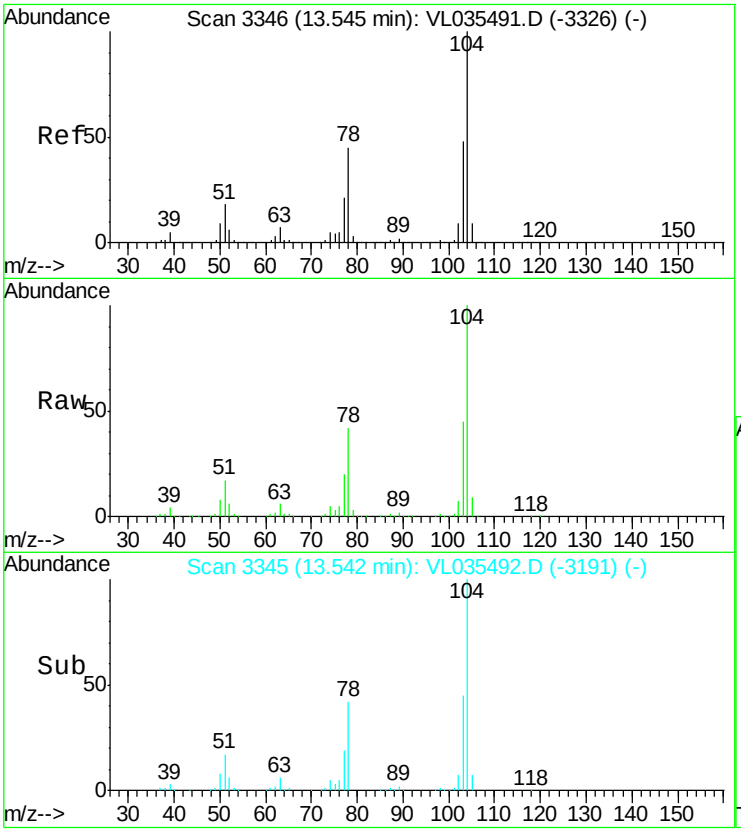


#60
o-Xylene
Concen: 1.902 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 91 Resp: 939974

Ion	Ratio	Lower	Upper
91	100		
106	50.2	25.9	77.7



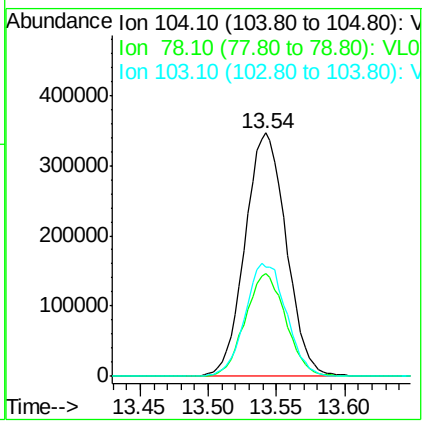


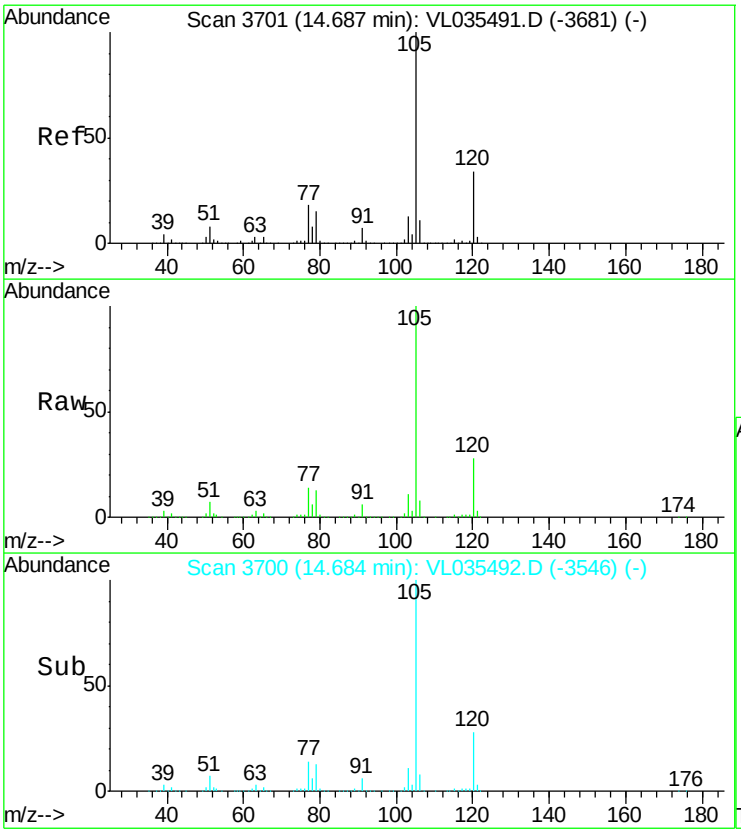
#61
Stvrene
Concen: 1.817 ppbv
RT: 13.54 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:104 Resp: 725683

Ion	Ratio	Lower	Upper
104	100		
78	41.7	34.7	52.1
103	46.6	38.2	57.2

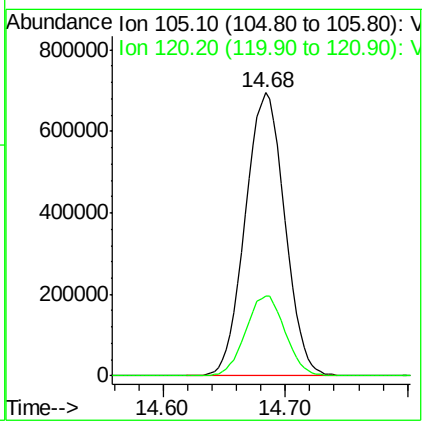


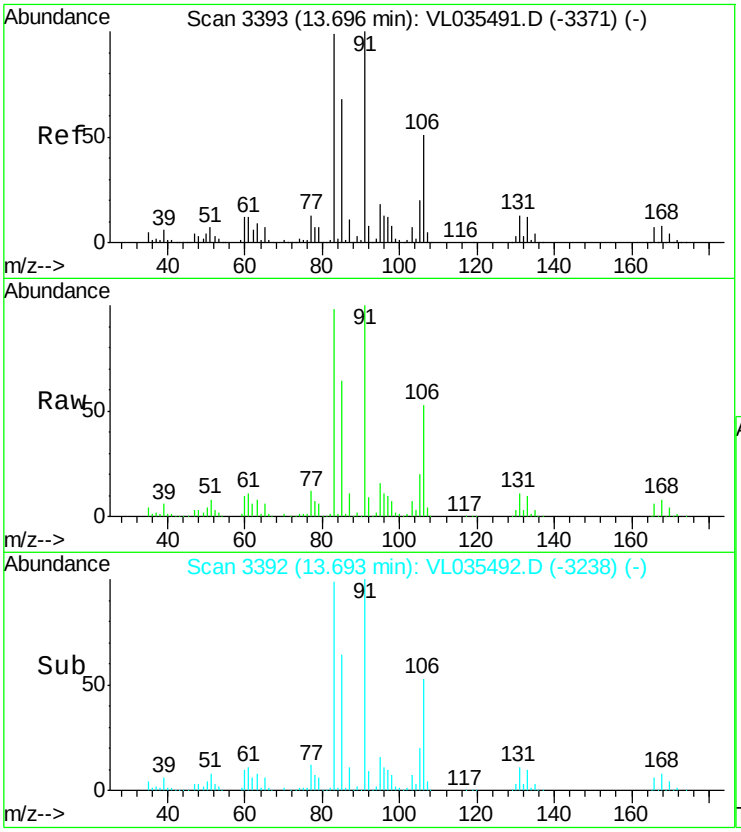


#62
Isopropylbenzene
Concen: 1.921 ppbv
RT: 14.68 min Scan# 3700
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion:105 Resp: 1556113

Ion	Ratio	Lower	Upper
105	100		
120	28.1	25.0	37.4



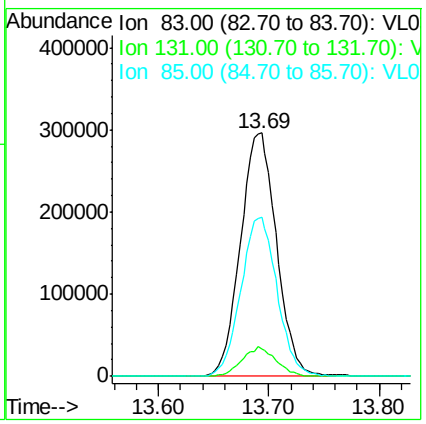


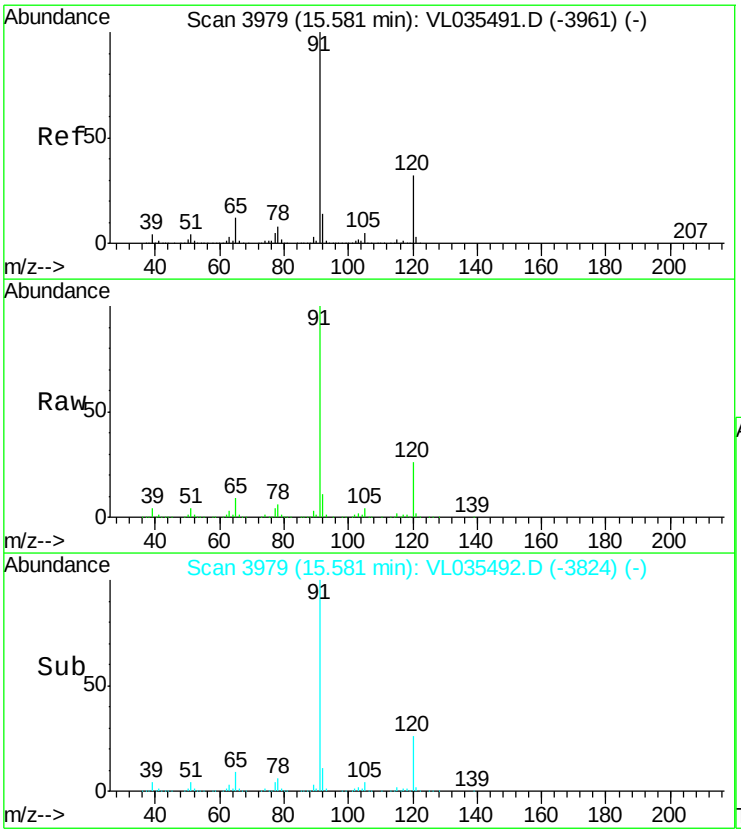
#63
1,1,2,2-Tetrachloroethane
Concen: 1.890 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 83 Resp: 670766

Ion	Ratio	Lower	Upper
83	100		
131	11.3	6.2	18.4
85	65.7	33.4	100.2

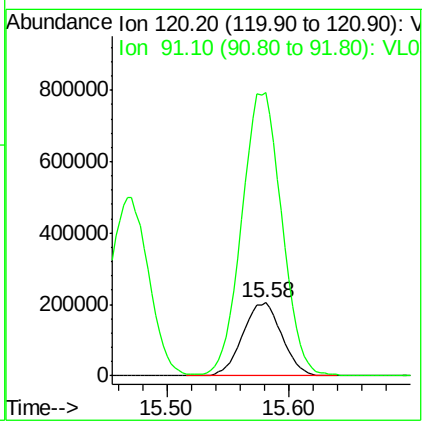


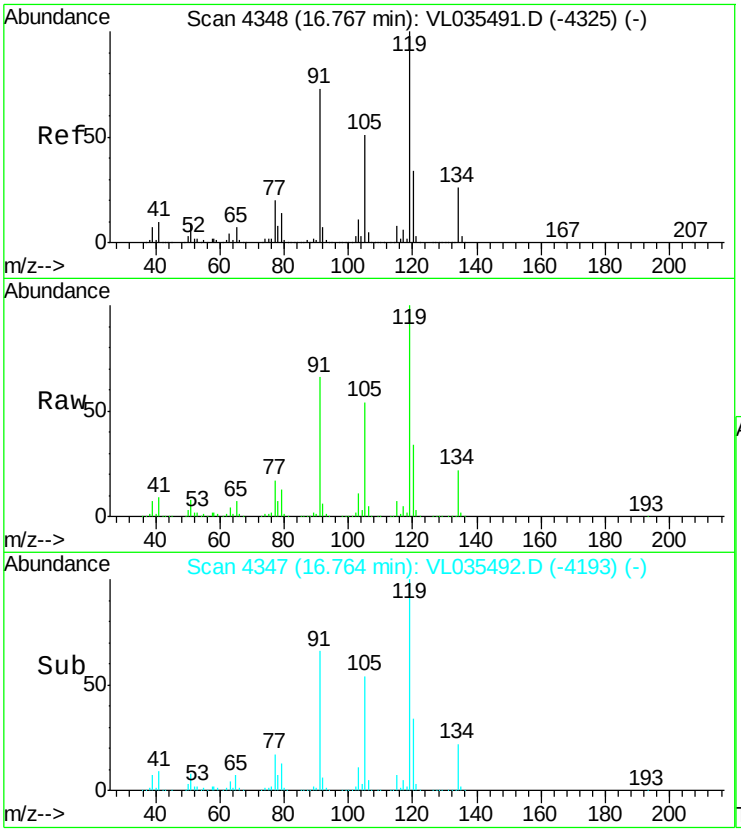


#64
n-propylbenzene
Concen: 1.822 ppbv
RT: 15.58 min Scan# 3979
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion:120 Resp: 454832

Ion	Ratio	Lower	Upper
120	100		
91	396.4	280.3	420.5



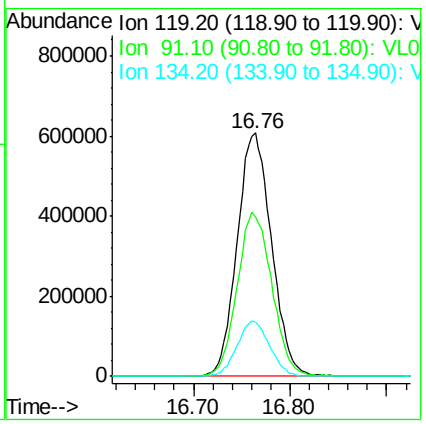


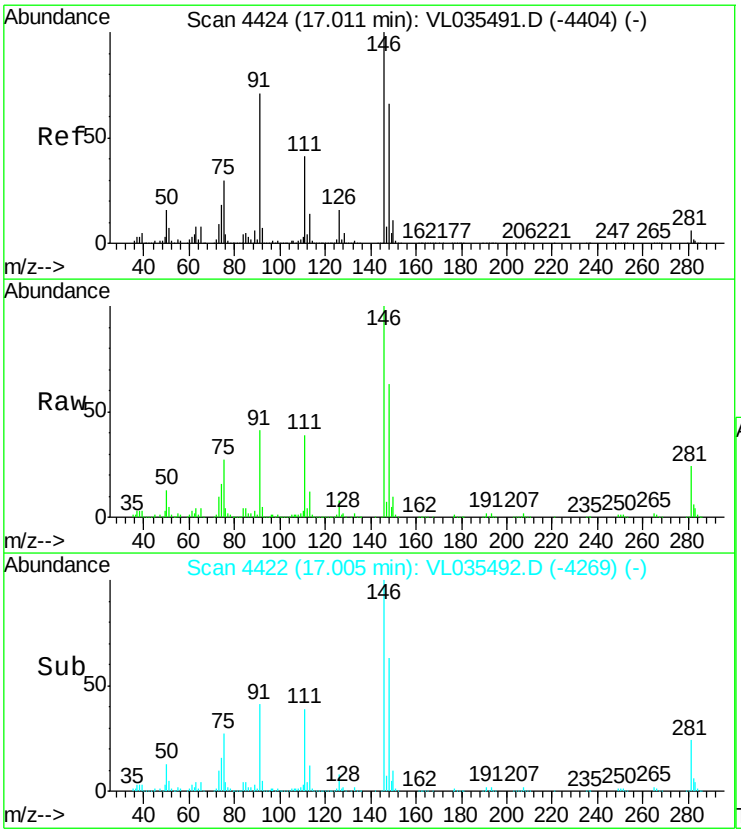
#65
tert-Butylbenzene
Concen: 1.908 ppbv
RT: 16.76 min Scan# 4347
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 1501475

Ion	Ratio	Lower	Upper
119	100		
91	68.1	57.8	86.8
134	21.6	18.8	28.2

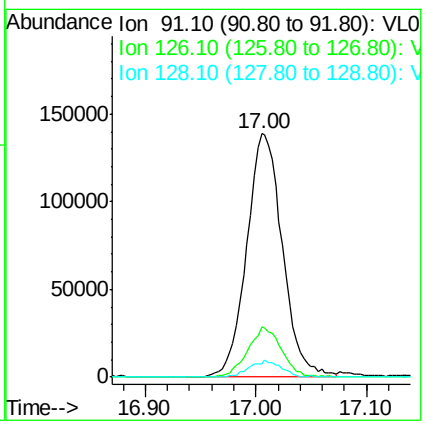


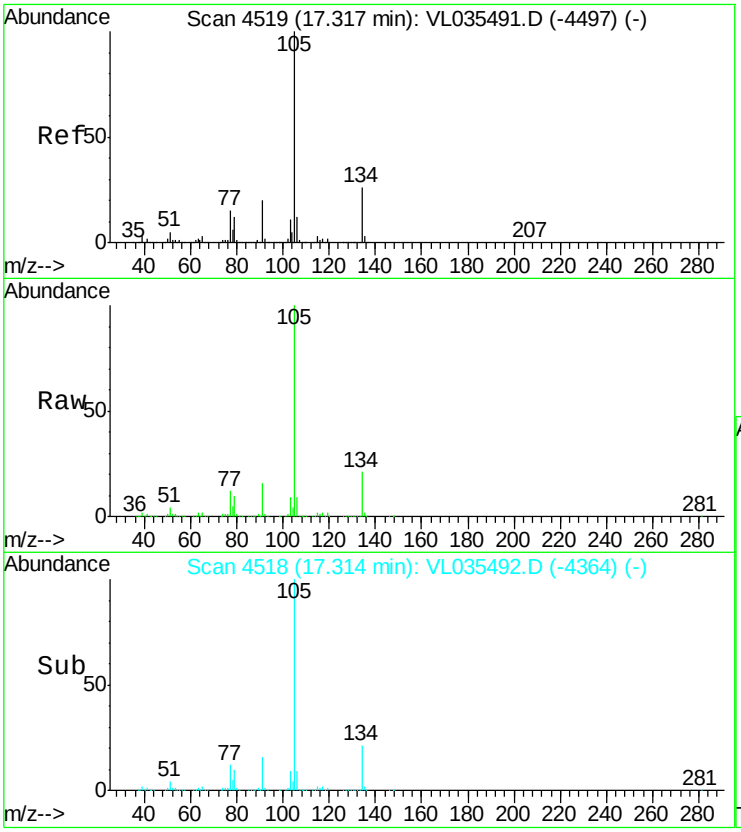


#66
Benzyl Chloride
Concen: 1.644 ppbv
RT: 17.00 min Scan# 4422
Delta R.T. -0.01 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 91 Resp: 311196

Ion	Ratio	Lower	Upper
91	100		
126	19.6	17.3	25.9
128	6.3	5.6	8.4



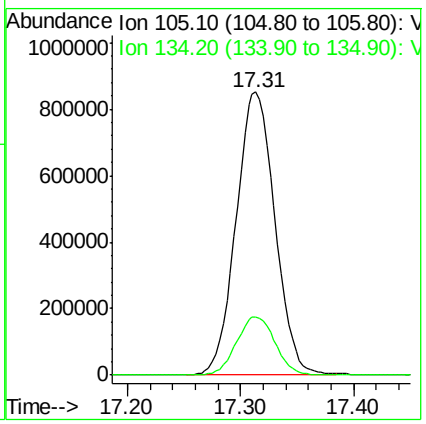


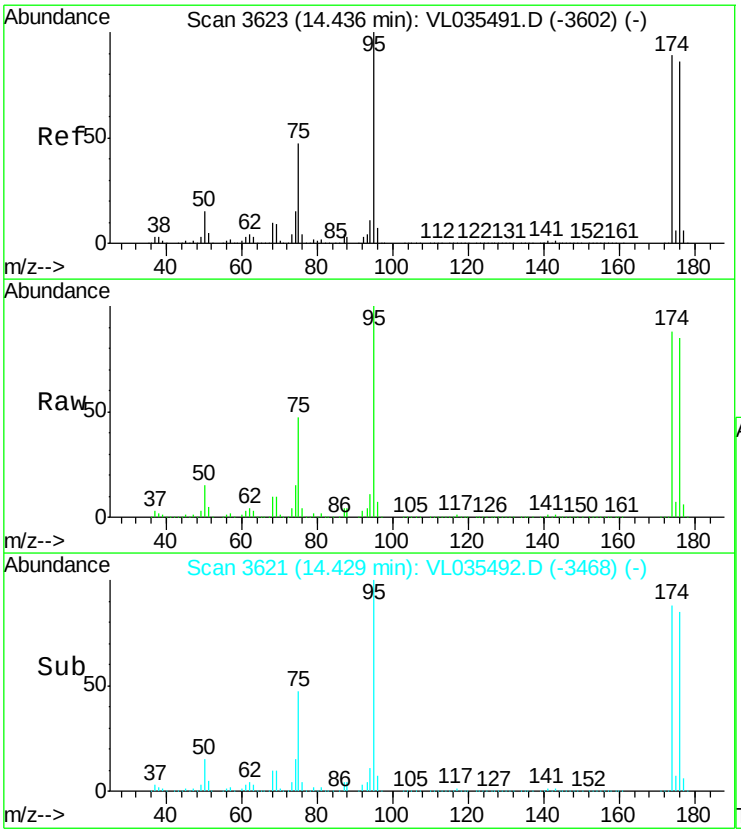
#67
sec-Butylbenzene
Concen: 1.958 ppbv
RT: 17.31 min Scan# 4518
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 2028471

Ion	Ratio	Lower	Upper
105	100		
134	20.7	19.1	28.7

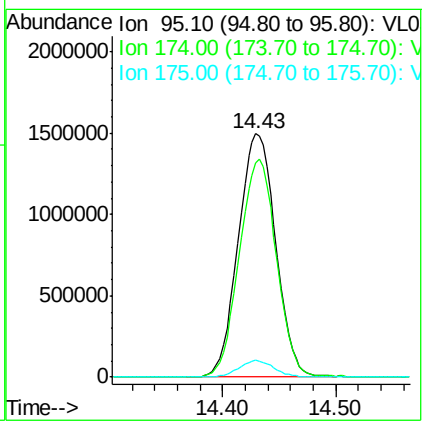


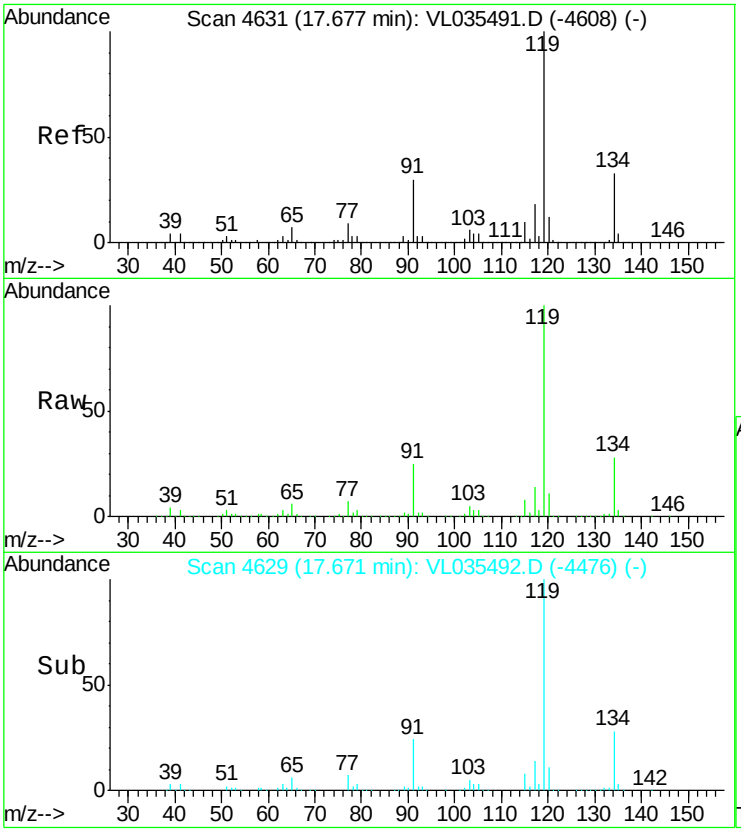


#68
1-Bromo-4-Fluorobenzene
Concen: 9.880 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 95 Resp: 3446478

Ion	Ratio	Lower	Upper
95	100		
174	89.2	70.9	106.3
175	6.5	5.1	7.7



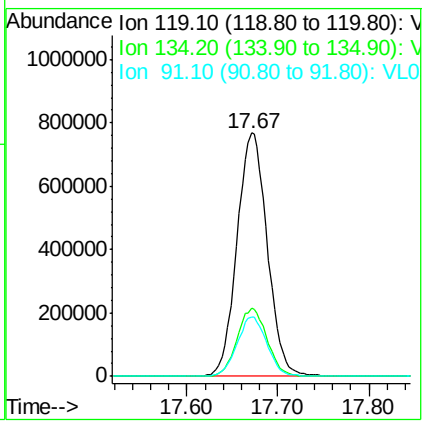


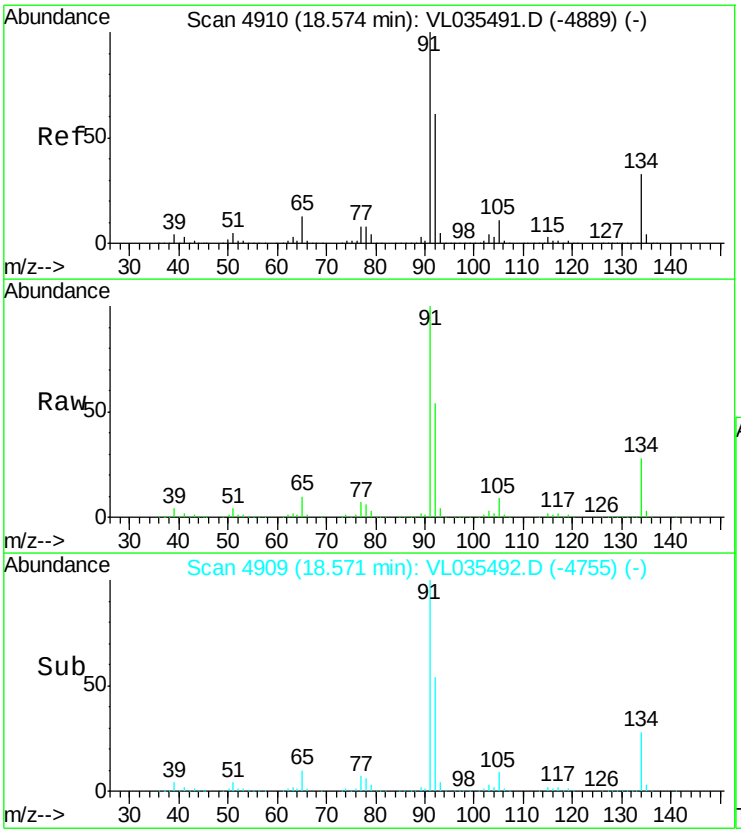
#69
p-Isopropyltoluene
Concen: 1.931 ppbv
RT: 17.67 min Scan# 4629
Delta R.T. -0.01 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 1774910

Ion	Ratio	Lower	Upper
119	100		
134	27.7	24.9	37.3
91	24.2	22.0	33.0

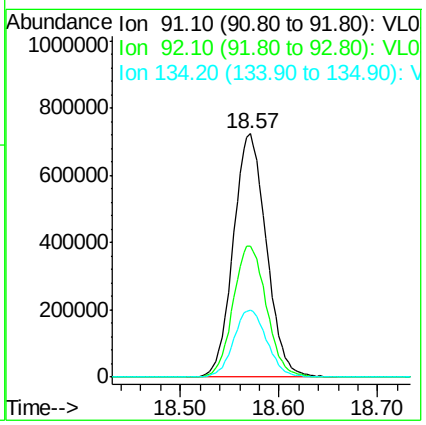


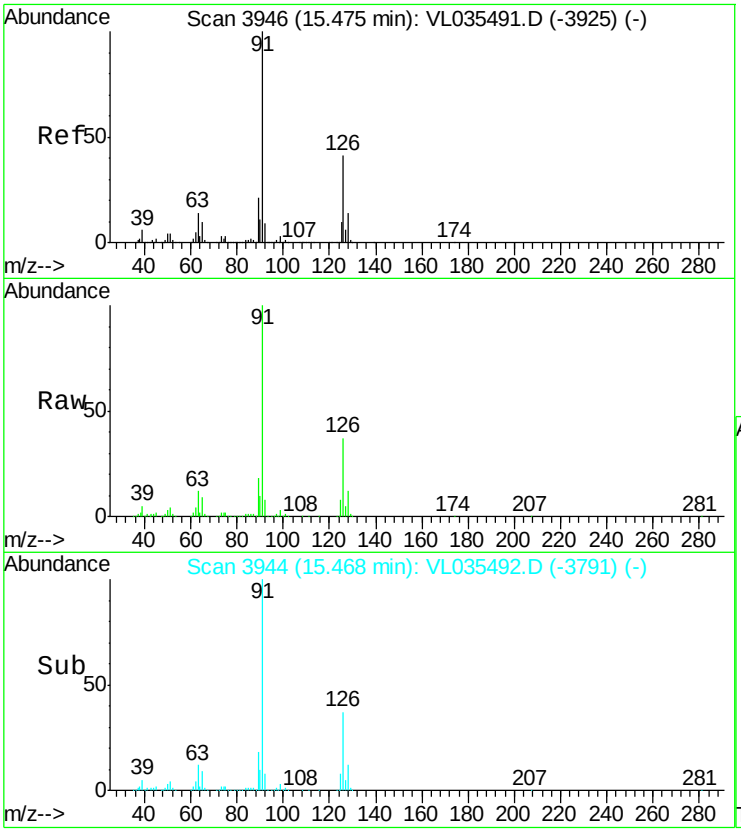


#70
n-Butylbenzene
Concen: 1.929 ppbv
RT: 18.57 min Scan# 4909
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion: 91 Resp: 1674939

Ion	Ratio	Lower	Upper
91	100		
92	54.6	47.0	70.6
134	27.8	24.9	37.3



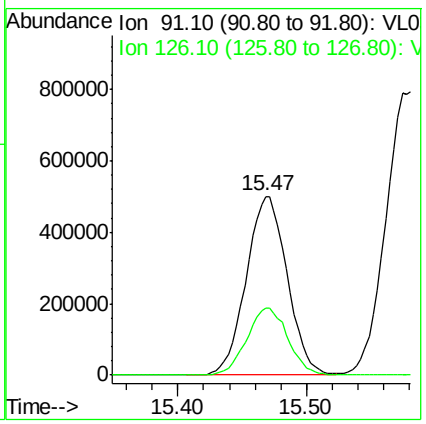


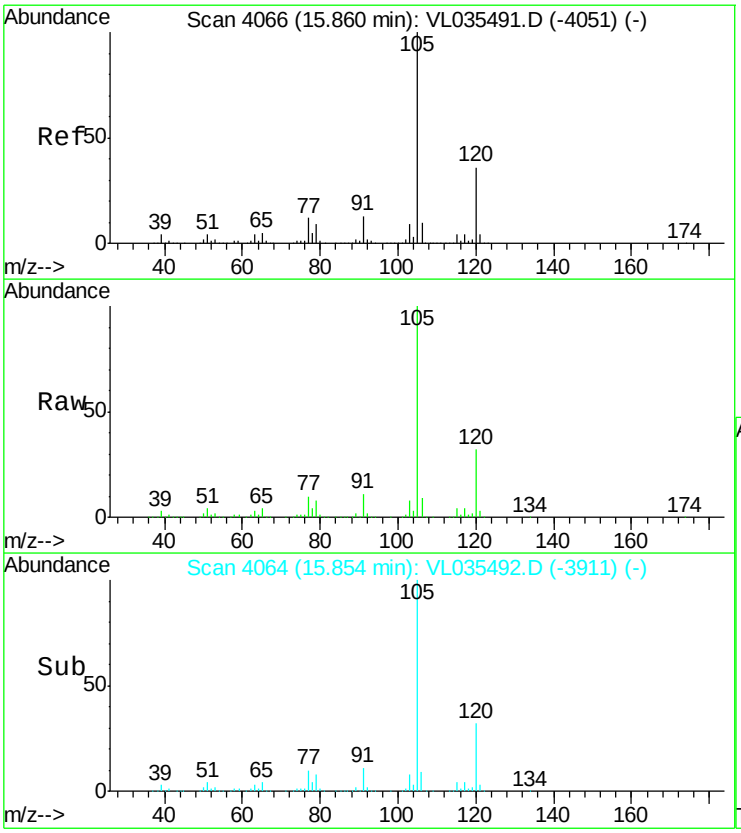
#71
2-Chlorotoluene
Concen: 1.885 ppbv
RT: 15.47 min Scan# 3944
Delta R.T. -0.01 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 1107423

Ion	Ratio	Lower	Upper
91	100		
126	37.5	15.8	63.0

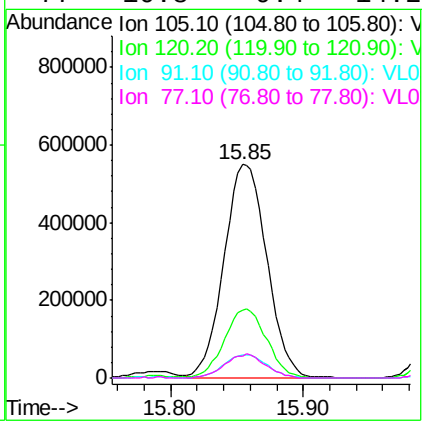


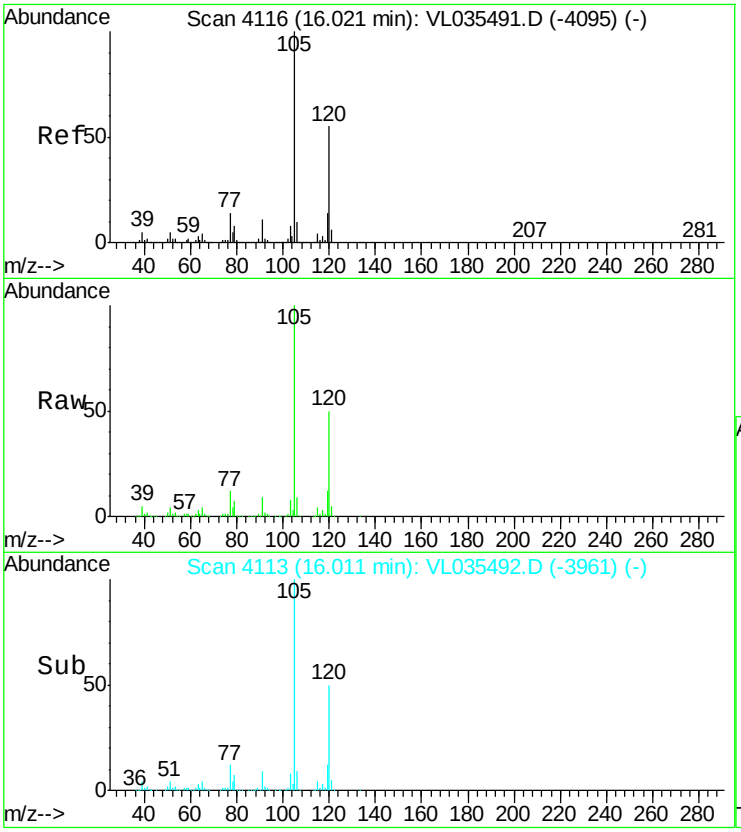


#72
4-Ethyltoluene
Concen: 1.899 ppbv
RT: 15.85 min Scan# 4064
Delta R.T. -0.01 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion:105 Resp: 1231239

Ion	Ratio	Lower	Upper
105	100		
120	32.0	27.4	41.0
91	11.0	9.5	14.3
77	10.8	9.4	14.2



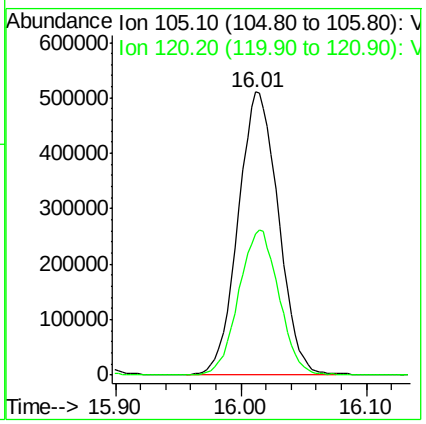


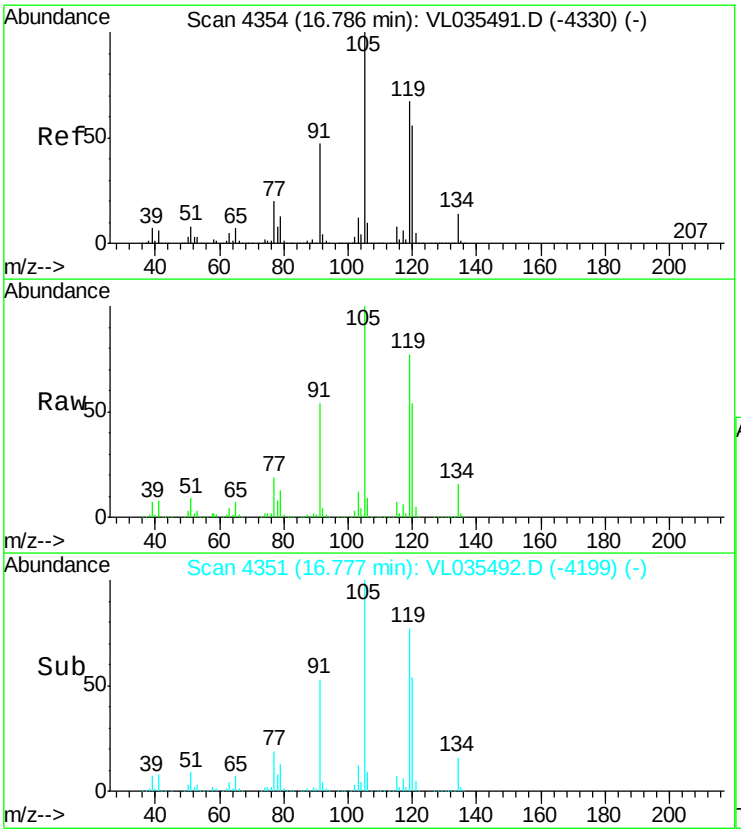
#73
1,3,5-Trimethylbenzene
Concen: 1.878 ppbv
RT: 16.01 min Scan# 4113
Delta R.T. -0.01 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 1133392

Ion	Ratio	Lower	Upper
105	100		
120	50.1	43.9	65.9

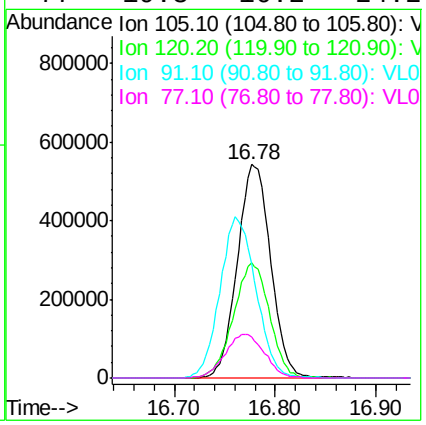


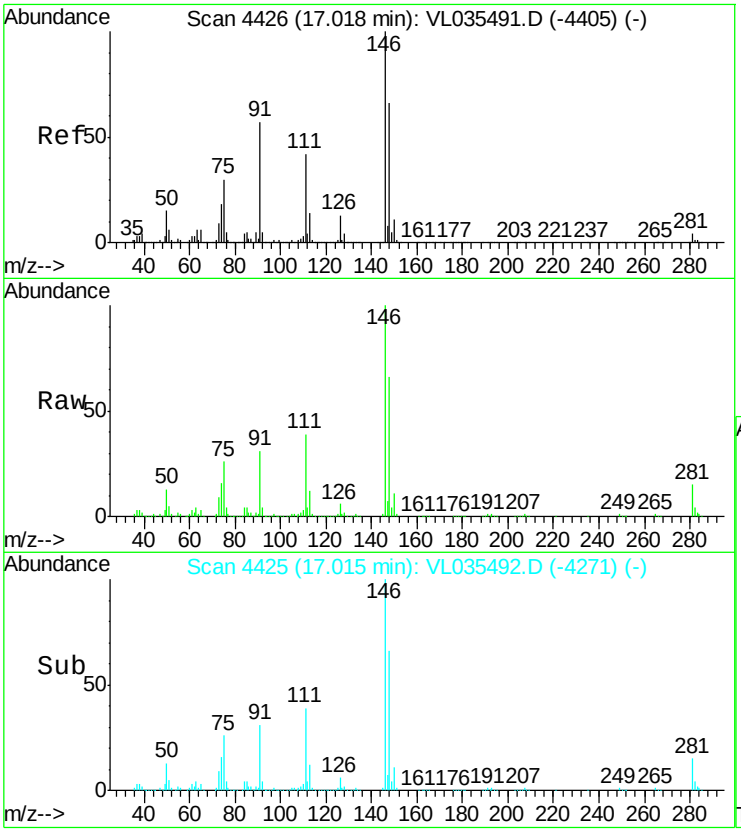


#74
1,2,4-Trimethylbenzene
Concen: 1.902 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. -0.01 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion:105 Resp: 1247121

Ion	Ratio	Lower	Upper
105	100		
120	53.6	44.7	67.1
91	53.3	37.5	56.3
77	19.3	16.2	24.2



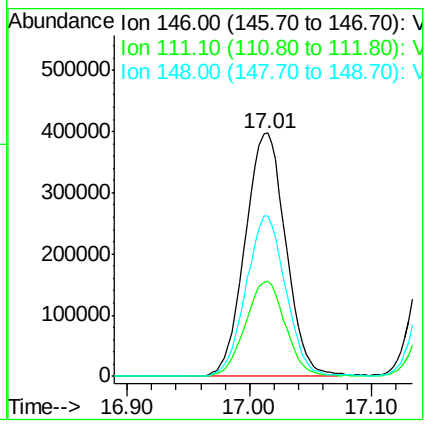


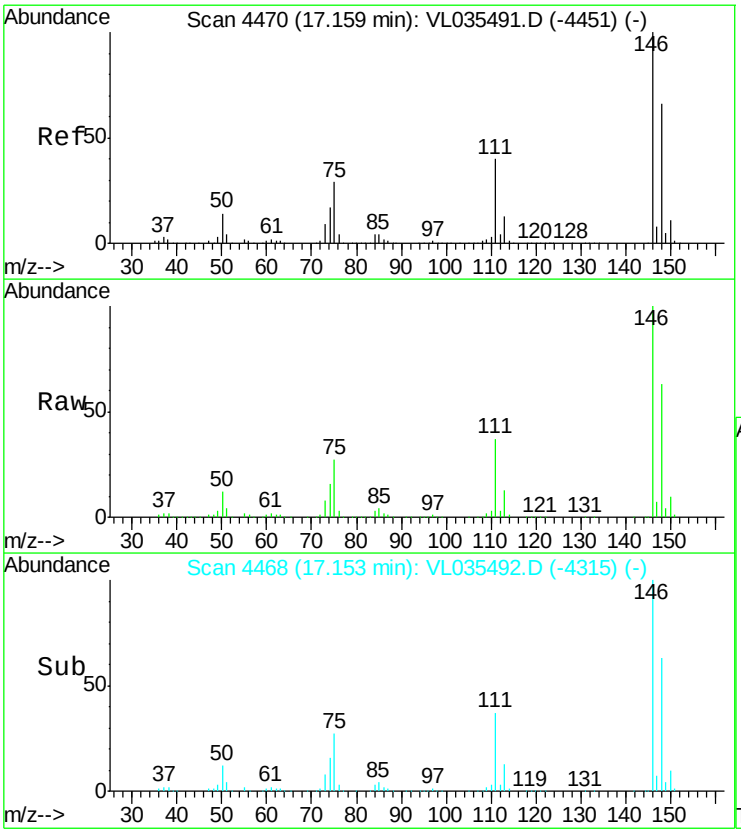
#75
1,3-Dichlorobenzene
Concen: 1.804 ppbv
RT: 17.01 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:146 Resp: 913517

Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.3	61.0
148	64.8	33.1	99.5

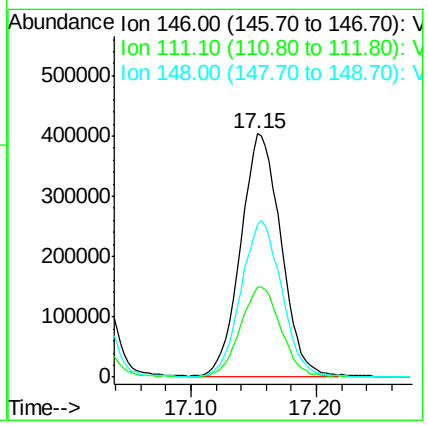


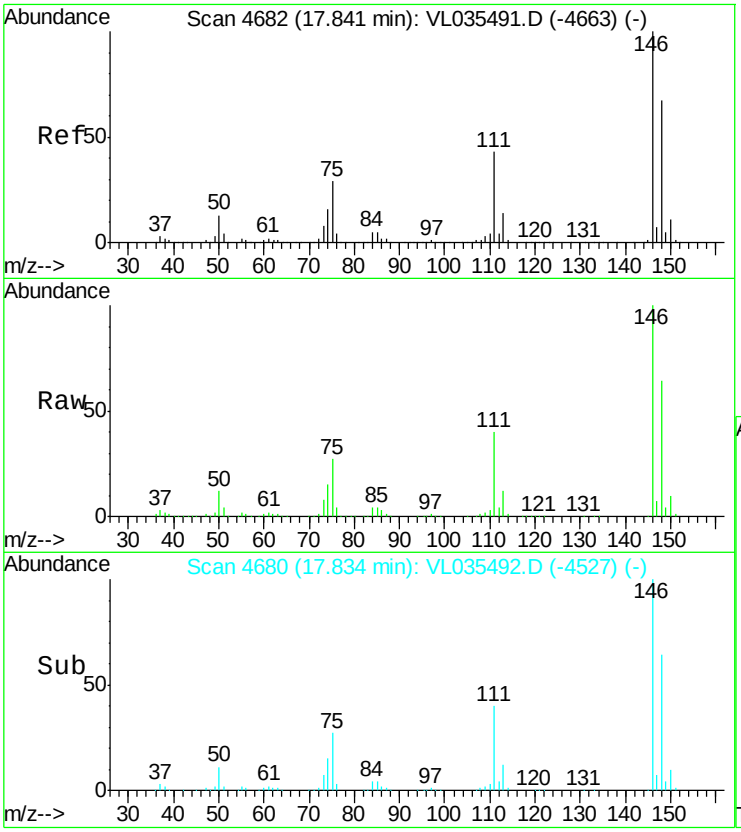


#76
1,4-Dichlorobenzene
Concen: 1.794 ppbv
RT: 17.15 min Scan# 4468
Delta R.T. -0.01 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion:146 Resp: 895435

Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.6	58.8
148	65.9	32.8	98.3



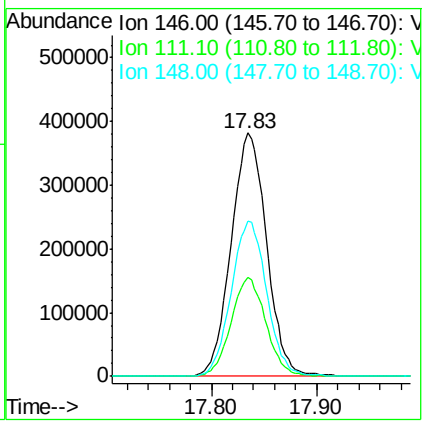


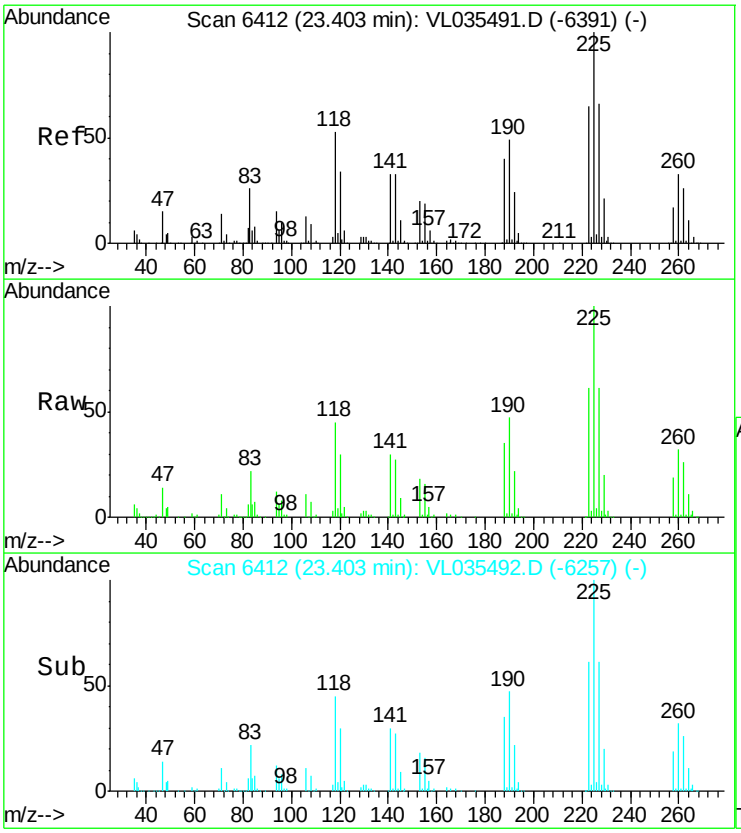
#77
1,2-Dichlorobenzene
Concen: 1.794 ppbv
RT: 17.83 min Scan# 4680
Delta R.T. -0.01 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:146 Resp: 889770

Ion	Ratio	Lower	Upper
146	100		
111	40.2	21.0	63.0
148	64.3	33.0	98.9

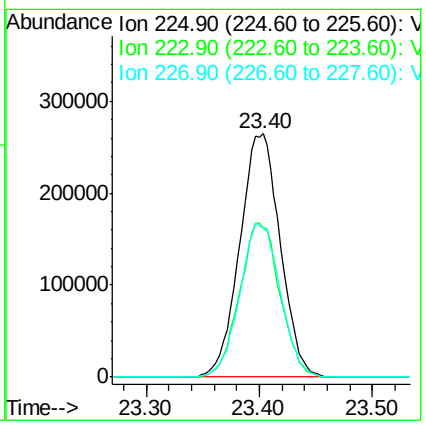


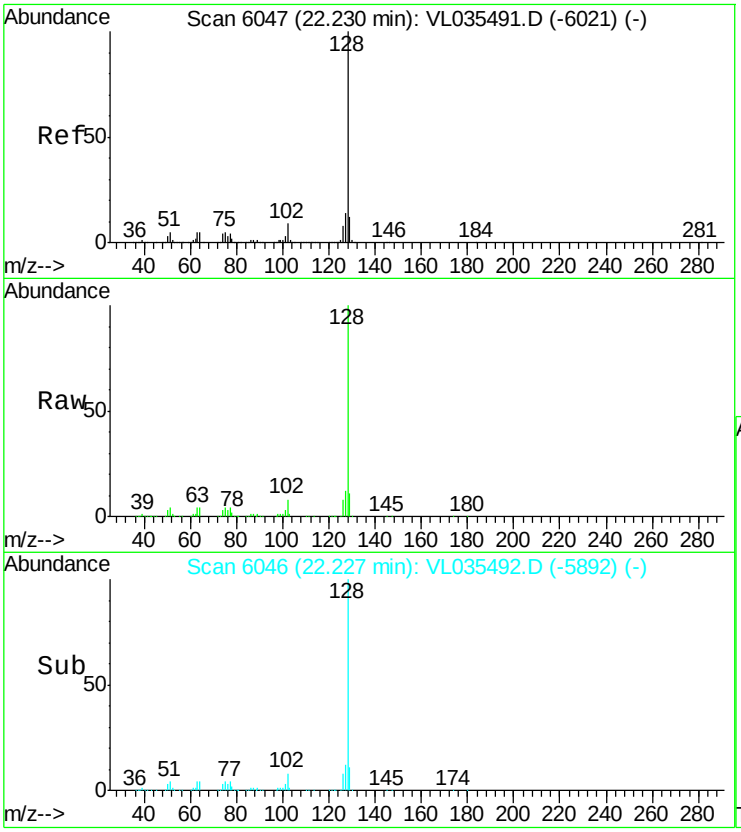


#78
Hexachloro-1,3-Butadiene
Concen: 1.677 ppbv
RT: 23.40 min Scan# 6412
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion:225 Resp: 657677

Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.4	77.2
227	63.3	51.7	77.5



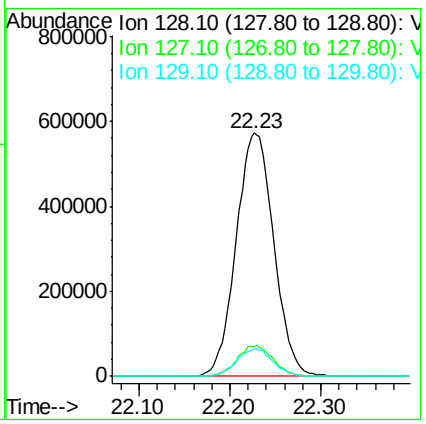


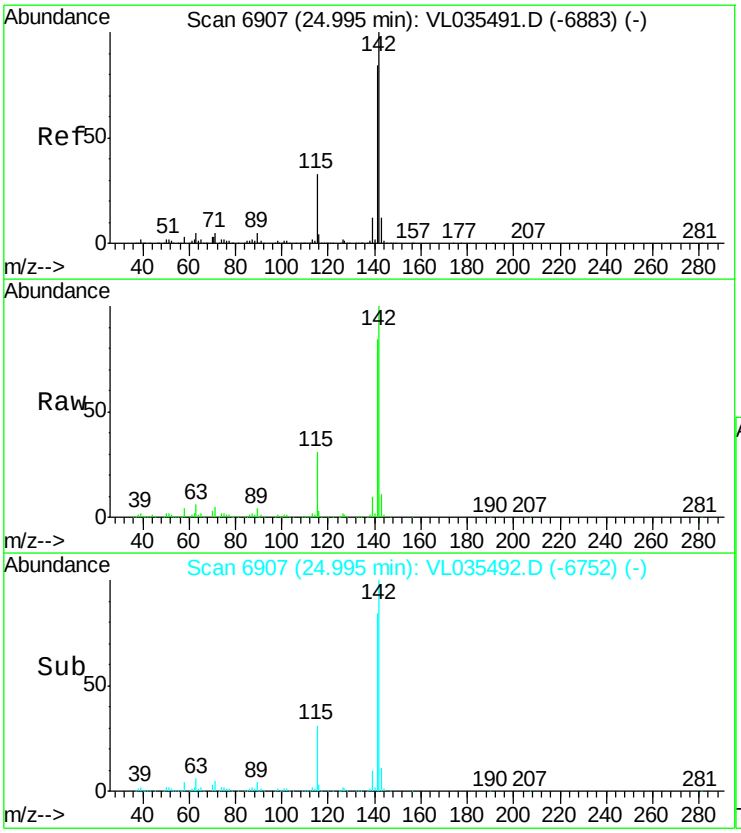
#79
Naphthalene
Concen: 1.779 ppbv
RT: 22.23 min Scan# 6046
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 1642515

Ion	Ratio	Lower	Upper
128	100		
127	12.5	11.4	17.0
129	11.3	9.8	14.6

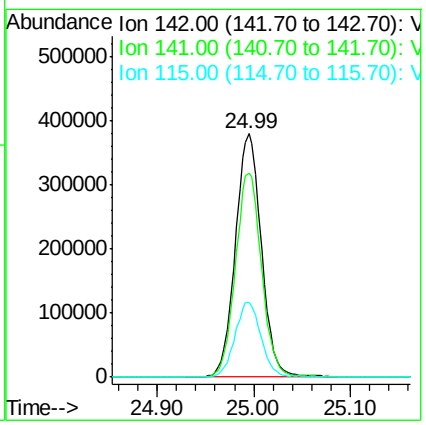


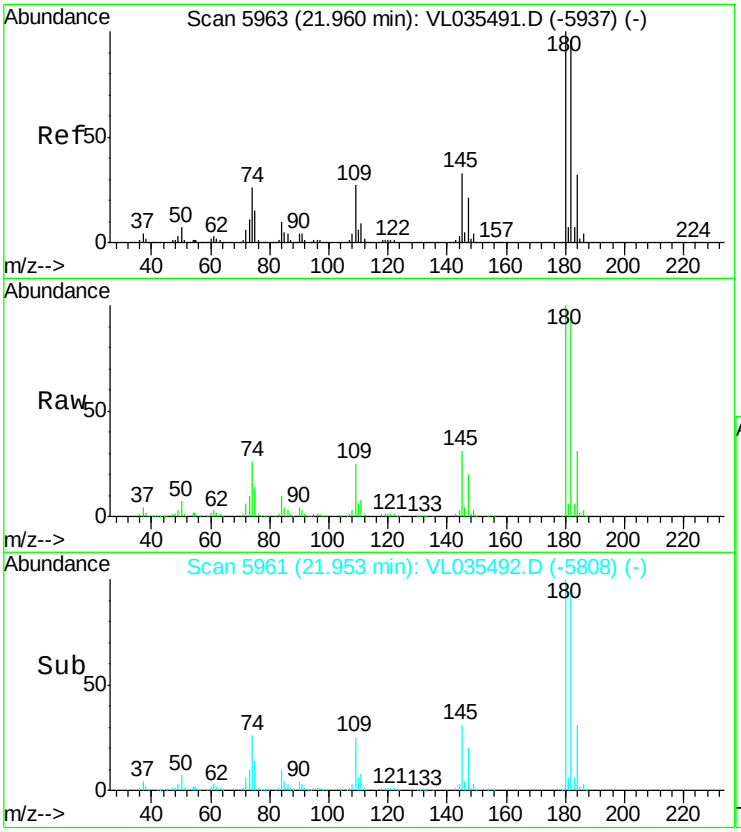


#80
Naphthalene,2-methyl-
Concen: 1.855 ppbv
RT: 24.99 min Scan# 6907
Delta R.T. -0.00 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Tgt Ion:142 Resp: 707655

Ion	Ratio	Lower	Upper
142	100		
141	84.9	67.1	100.7
115	31.1	25.6	38.4





#81
1,2,4-Trichlorobenzene
Concen: 1.658 ppbv
RT: 21.95 min Scan# 5961
Delta R.T. -0.01 min
Lab File: VL035492.D
Acq: 23 Aug 2020 8:54

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 922675

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.6	115.0
184	30.9	25.4	38.0