Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092320\
Data File : VL035705.D
Acq On : 23 Sep 2020 4:02
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Sep 23 05:33:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 05:25:46 2020
QLast Update : Wed Sep 23 05:25:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	1301737	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.19	114	4873830	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	4984225	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	3663699	10.23	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	404144	1.794	ppbv		99
3) Chlorodifluoromethane	2.99	51	285080	2.004	ppbv		96
4) Chloromethane	3.14	50	151843	1.993	ppbv		98
5) Vinyl Chloride	3.26	62	182993	1.936	ppbv		99
6) Bromomethane	3.47	94	151163	1.923	ppbv		89
7) Chloroethane	3.56	64	67361	2.024	ppbv		98
8) Dichlorotetrafluoroethane	3.19	85	532725	1.974	ppbv		98
9) Propene	3.01	41	102710	1.875	ppbv		99
10) Heptane	8.14	43	296585	1.983	ppbv		99
11) Trichlorofluoromethane	3.95	101	626748	1.931	ppbv		94
12) 1,1,2-Trichlorotrifluoroet	4.49	101	461254	1.887	ppbv		98
13) Ethanol	3.61	45	16709	1.230	ppbv		77
14) Bromoethene	3.74	108	195835	1.873	ppbv		99
15) Acetone	3.85	43	300418	2.126	ppbv		93
16) 1,3-Butadiene	3.33	39	108733	2.044	ppbv		98
17) tert-Butyl alcohol	4.29	59	280288	1.647	ppbv		99
18) 1,1-Dichloroethene	4.29	96	200739	1.866	ppbv		95
19) Isopropyl Alcohol	3.97	45	131430	1.580	ppbv	#	96
20) Methylene Chloride	4.35	84	218001	2.049	ppbv		97
21) Allyl Chloride	4.41	41	135799	2.030	ppbv		99
22) trans-1,2-Dichloroethene	4.89	96	208135	1.815	ppbv		97
23) Vinyl Acetate	5.08	43	354127	1.944	ppbv		99
24) 1,1-Dichloroethane	5.02	63	385737	2.045	ppbv		99
25) Ethyl Acetate	5.69	43	523830	2.060	ppbv		99
26) Hexane	5.70	57	293407	2.041	ppbv		99
27) Carbon Disulfide	4.56	76	421888	2.057	ppbv		100
28) Methyl tert-Butyl Ether	5.04	73	457486	1.872	ppbv		100
29) Chloroform	5.76	83	574344	1.978	ppbv		98
30) Cyclohexane	7.14	84	277810	1.834	ppbv	#	84
31) cis-1,2-Dichloroethene	5.56	61	273164	1.874	ppbv		98
32) 1,1,1-Trichloroethane	6.52	97	521794	1.858	ppbv		99
34) 2-Butanone	5.25	43	344083	2.320	ppbv		98
35) Carbon Tetrachloride	7.03	117	537267	2.181	ppbv		97
36) Benzene	6.90	78	678417	2.128	ppbv		96
37) 1,2-Dichloroethane	6.31	62	338206	2.203	ppbv		100
38) Trichloroethene	7.85	130	339460	1.854	ppbv		96
39) 1,2-Dichloropropane	7.63	63	234864	2.166	ppbv		95
40) 1,4-Dioxane	7.86	88	99533	1.883	ppbv	#	57
41) Tetrahydrofuran	6.06	42	171458	2.183	ppbv		97
42) Bromodichloromethane	7.80	83	547105	2.210	ppbv		98
43) Methyl Methacrylate	8.03	69	268399	2.160	ppbv		99

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092320\
Data File : VL035705.D
Acq On : 23 Sep 2020 4:02
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Sep 23 05:33:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 05:25:46 2020
QLast Update : Wed Sep 23 05:25:46 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	1005723	2.366	ppbv		99
45) t-1,3-Dichloropropene	9.29	75	254825	2.031	ppbv		97
46) cis-1,3-Dichloropropene	8.72	75	316968	2.033	ppbv		95
47) 1,1,2-Trichloroethane	9.49	97	339021	2.135	ppbv		98
48) Dibromochloromethane	10.32	129	518420	2.092	ppbv		100
49) Bromoform	13.06	173	435528	1.974	ppbv		98
50) 4-Methyl-2-Pentanone	8.76	43	512258	2.377	ppbv		98
51) 2-Hexanone	10.16	43	421692	2.393	ppbv	#	96
52) Tetrachloroethene	11.25	164	315873	1.740	ppbv		97
53) Toluene	9.83	91	822863	2.059	ppbv		96
54) 1,2-Dibromoethane	10.63	107	515469	2.063	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.15	131	426439	2.083	ppbv	#	1
57) Chlorobenzene	12.17	112	781528	2.102	ppbv		97
58) Ethyl Benzene	12.73	91	1109455	2.120	ppbv		94
59) m/p-Xylene	13.02	91	1163712	2.643	ppbv	#	57
60) o-Xylene	13.72	91	967457	2.185	ppbv		97
61) Styrene	13.55	104	665245	1.990	ppbv		98
62) Isopropylbenzene	14.70	105	1515103	2.149	ppbv		94
63) 1,1,2,2-Tetrachloroethane	13.70	83	750319	2.190	ppbv		98
64) n-propylbenzene	15.59	120	427375	2.002	ppbv		75
65) tert-Butylbenzene	16.77	119	1419541	2.175	ppbv		96
66) Benzyl Chloride	17.02	91	356974	2.131	ppbv		97
67) sec-Butylbenzene	17.32	105	1997002	2.284	ppbv		93
69) p-Isopropyltoluene	17.68	119	1631031	2.146	ppbv		94
70) n-Butylbenzene	18.58	91	1673120	2.263	ppbv		93
71) 2-Chlorotoluene	15.48	91	1105124	2.143	ppbv		97
72) 4-Ethyltoluene	15.87	105	1169616	2.100	ppbv		97
73) 1,3,5-Trimethylbenzene	16.02	105	1101015	2.135	ppbv		94
74) 1,2,4-Trimethylbenzene	16.79	105	1253956	2.212	ppbv		96
75) 1,3-Dichlorobenzene	17.02	146	811348	1.971	ppbv		98
76) 1,4-Dichlorobenzene	17.17	146	771358	1.900	ppbv		99
77) 1,2-Dichlorobenzene	17.85	146	763696	1.916	ppbv		99
78) Hexachloro-1,3-Butadiene	23.41	225	424481	1.702	ppbv		99
79) Naphthalene	22.24	128	1250501	2.055	ppbv		97
80) Naphthalene,2-methyl-	25.01	142	228291	1.152	ppbv		99
81) 1,2,4-Trichlorobenzene	21.97	180	612719	1.717	ppbv		99

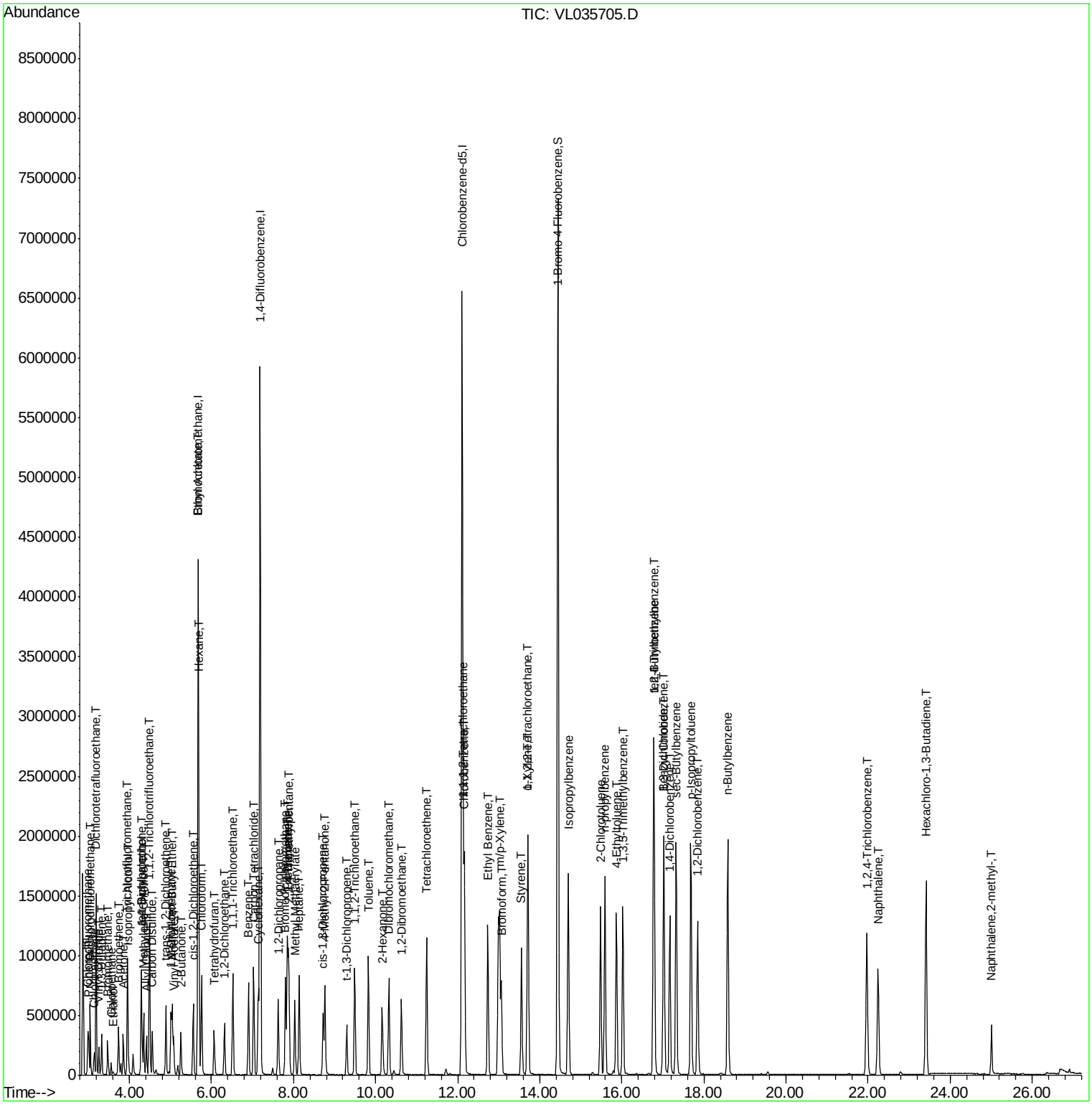
(#) = qualifier out of range (m) = manual integration (+) = signals summed

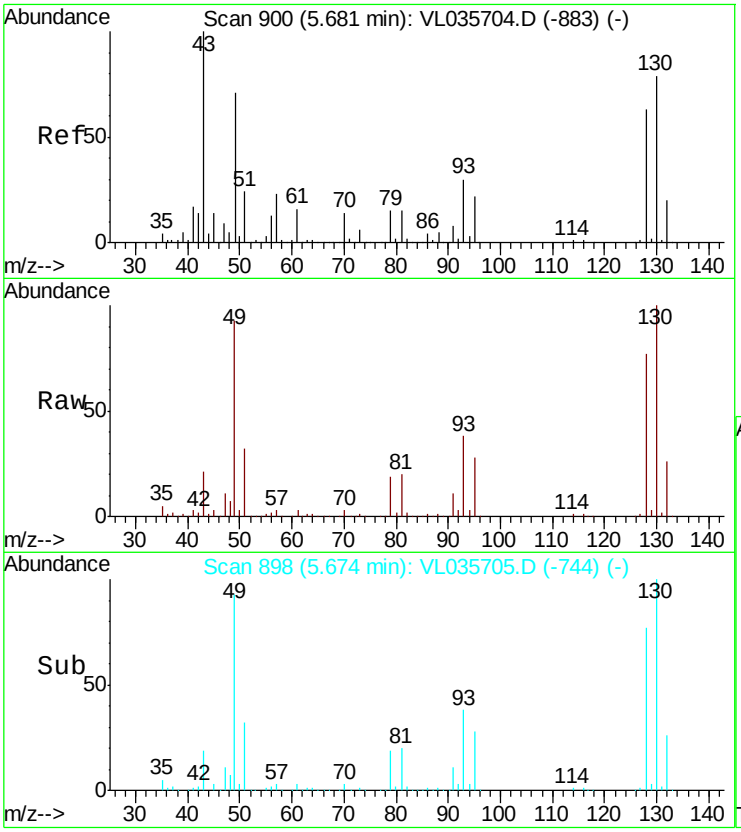
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092320\
Data File : VL035705.D
Acq On : 23 Sep 2020 4:02
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Quant Time: Sep 23 05:33:12 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 05:25:46 2020
QLast Update : Wed Sep 23 05:25:46 2020
Response via : Initial Calibration



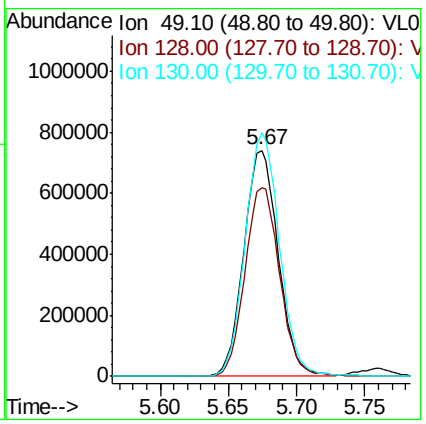


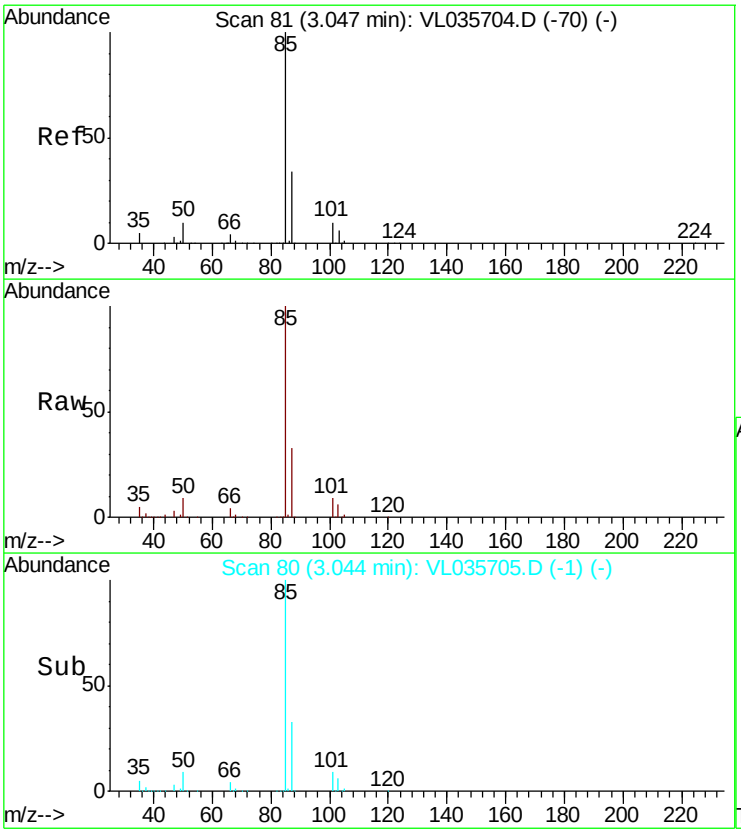
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 49 Resp: 1301737

Ion	Ratio	Lower	Upper
49	100		
128	84.9	43.1	129.4
130	108.1	54.9	164.7

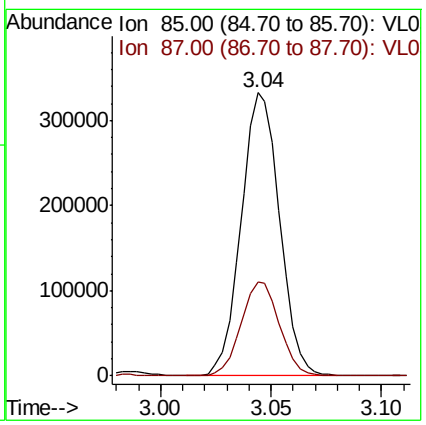


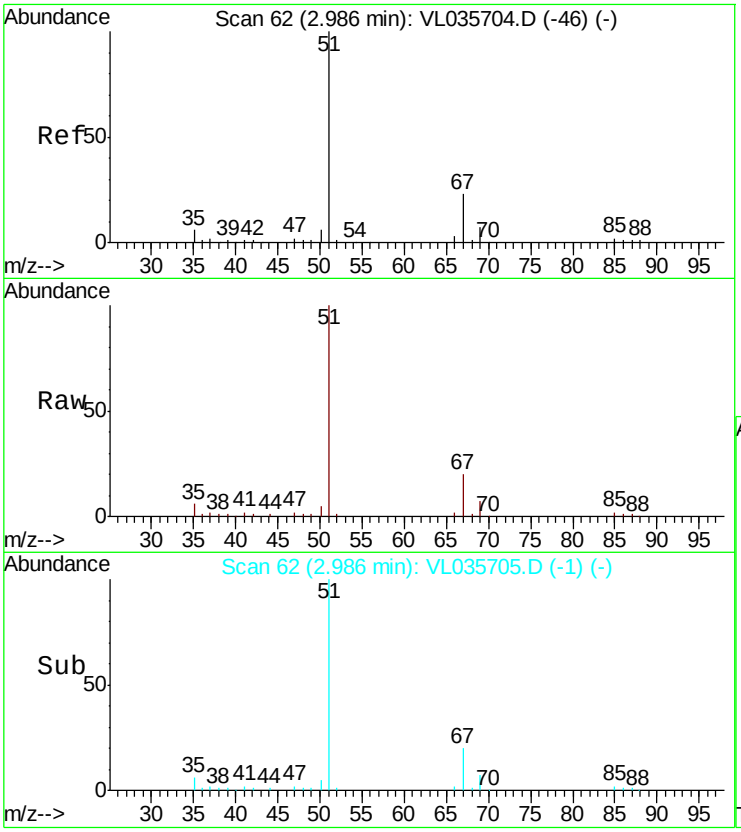


#2
Dichlorodifluoromethane
Concen: 1.794 ppbv
RT: 3.04 min Scan# 80
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 85 Resp: 404144

Ion	Ratio	Lower	Upper
85	100		
87	33.4	27.3	40.9



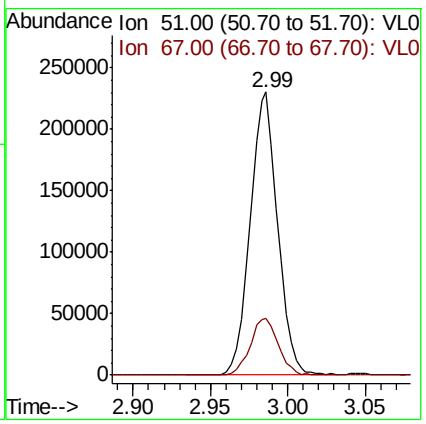


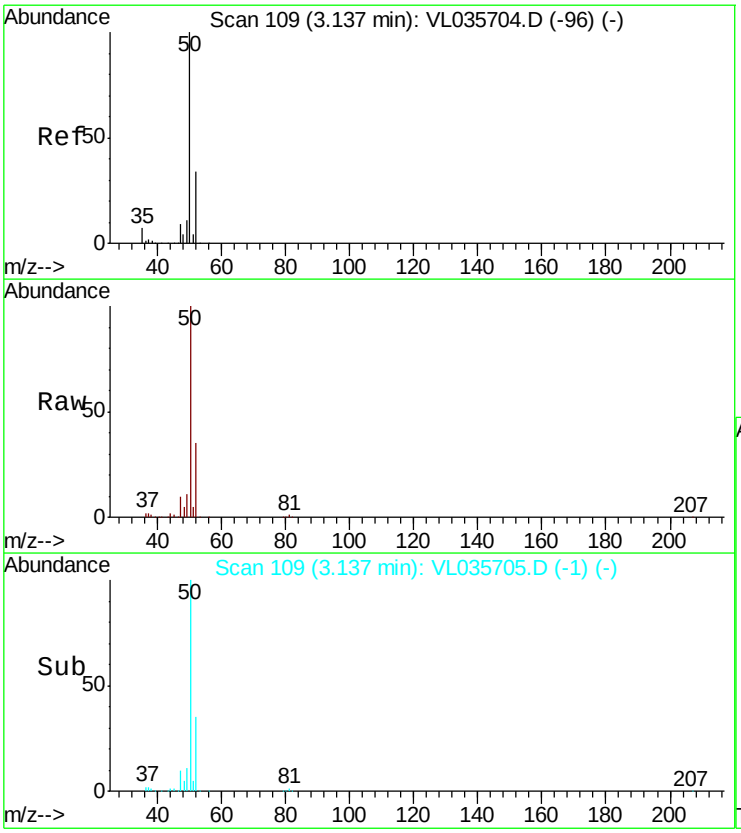
#3
Chlorodifluoromethane
Concen: 2.004 ppbv
RT: 2.99 min Scan# 62
Delta R.T. 0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 51 Resp: 285080

Ion	Ratio	Lower	Upper
51	100		
67	20.6	17.8	26.8

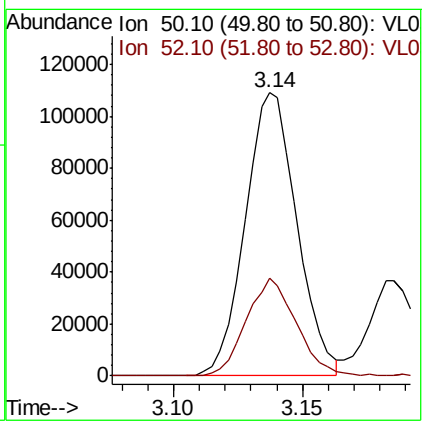


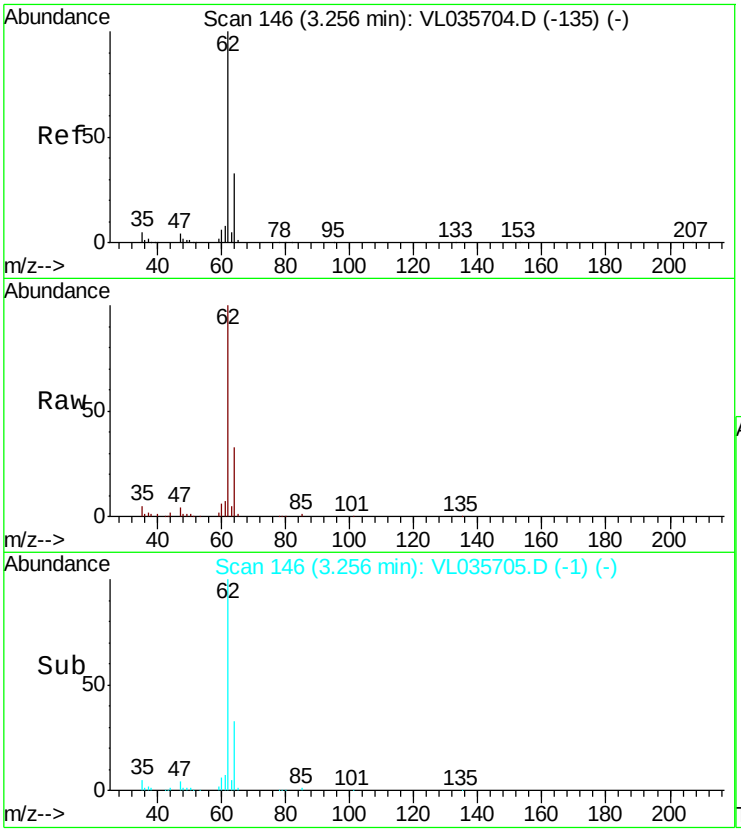


#4
Chloromethane
Concen: 1.993 ppbv
RT: 3.14 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 50 Resp: 151843

Ion	Ratio	Lower	Upper
50	100		
52	34.8	26.8	40.2



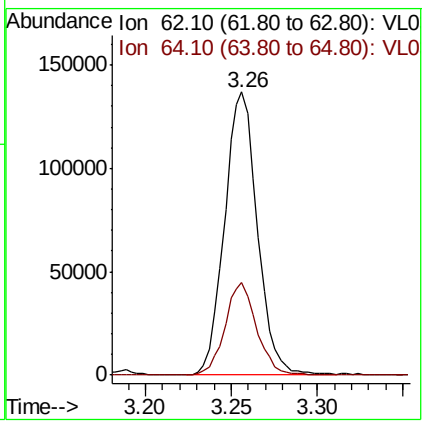


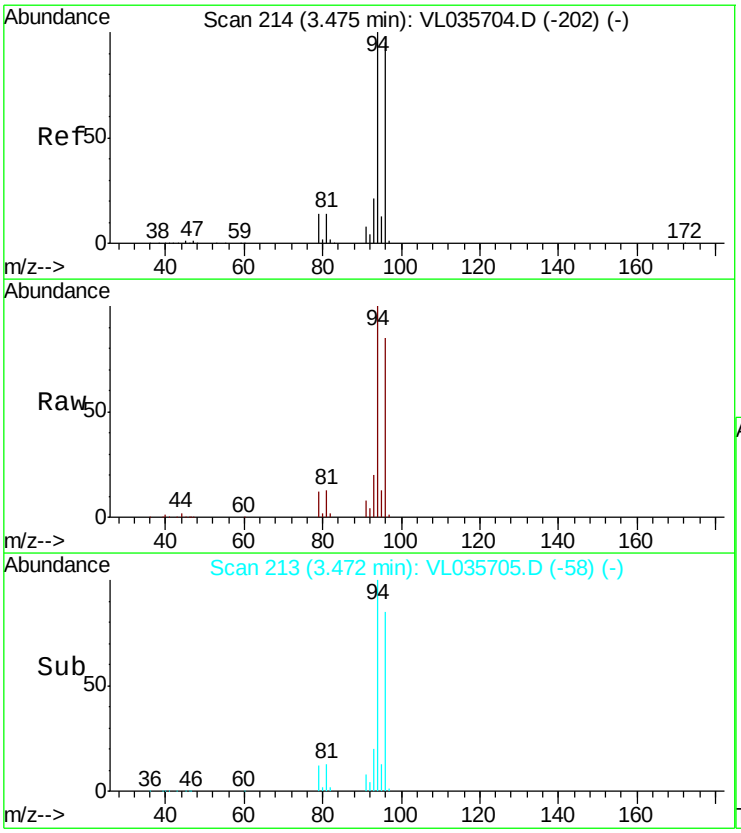
#5
Vinyl Chloride
Concen: 1.936 ppbv
RT: 3.26 min Scan# 146
Delta R.T. 0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 182993

Ion	Ratio	Lower	Upper
62	100		
64	32.7	26.8	40.2

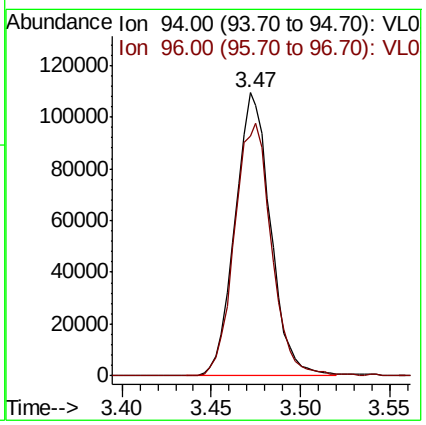


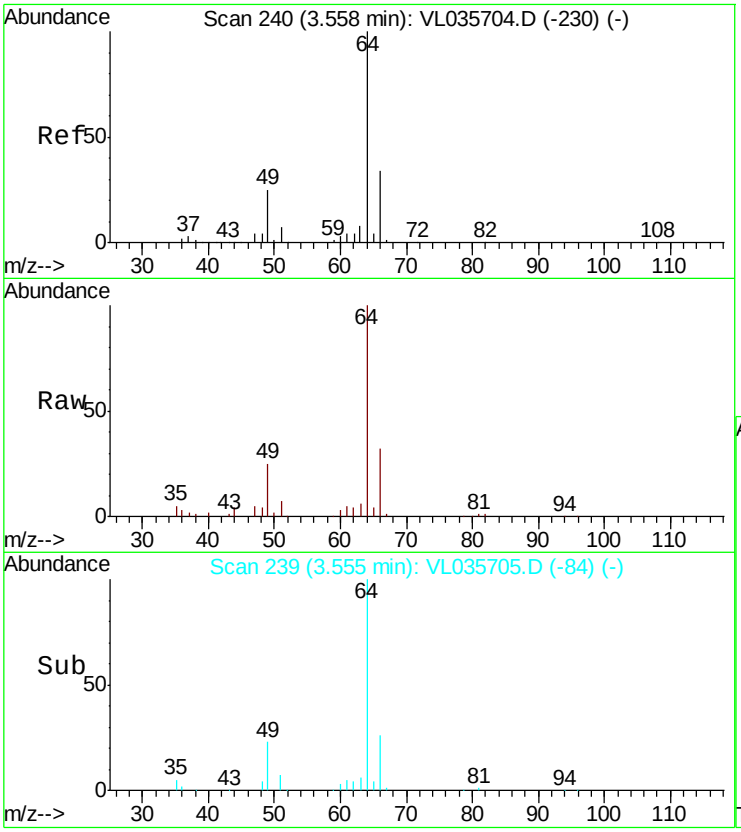


#6
Bromomethane
Concen: 1.923 ppbv
RT: 3.47 min Scan# 213
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 94 Resp: 151163

Ion	Ratio	Lower	Upper
94	100		
96	84.8	76.3	114.5



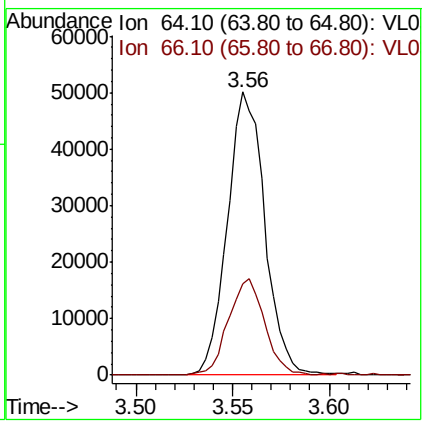


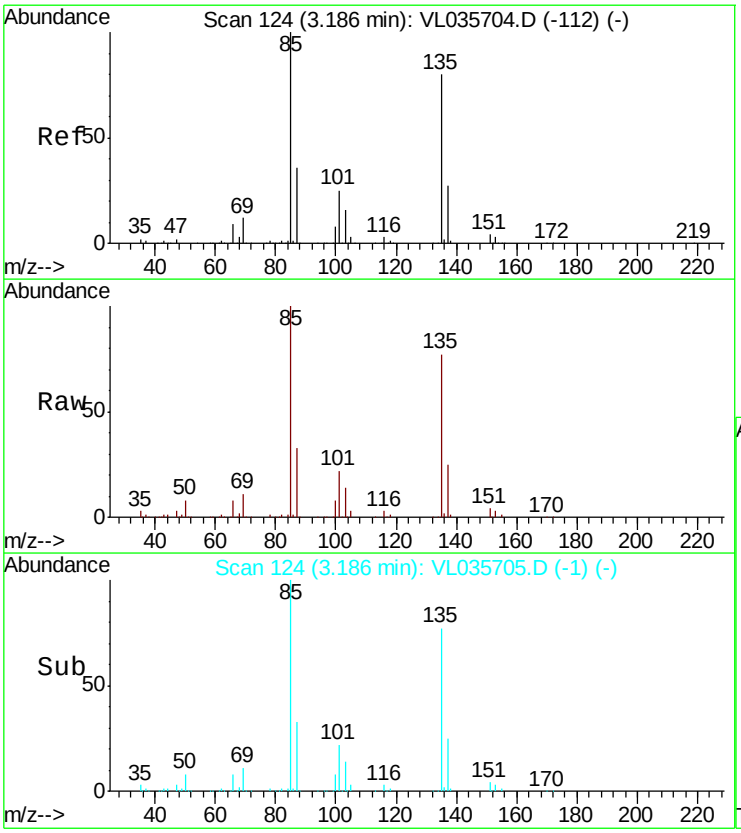
#7
Chloroethane
Concen: 2.024 ppbv
RT: 3.56 min Scan# 239
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 64 Resp: 67361

Ion	Ratio	Lower	Upper
64	100		
66	32.3	26.9	40.3

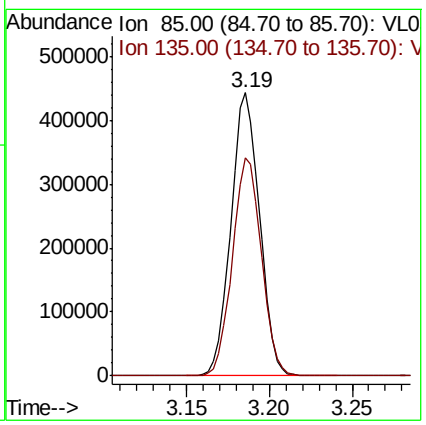


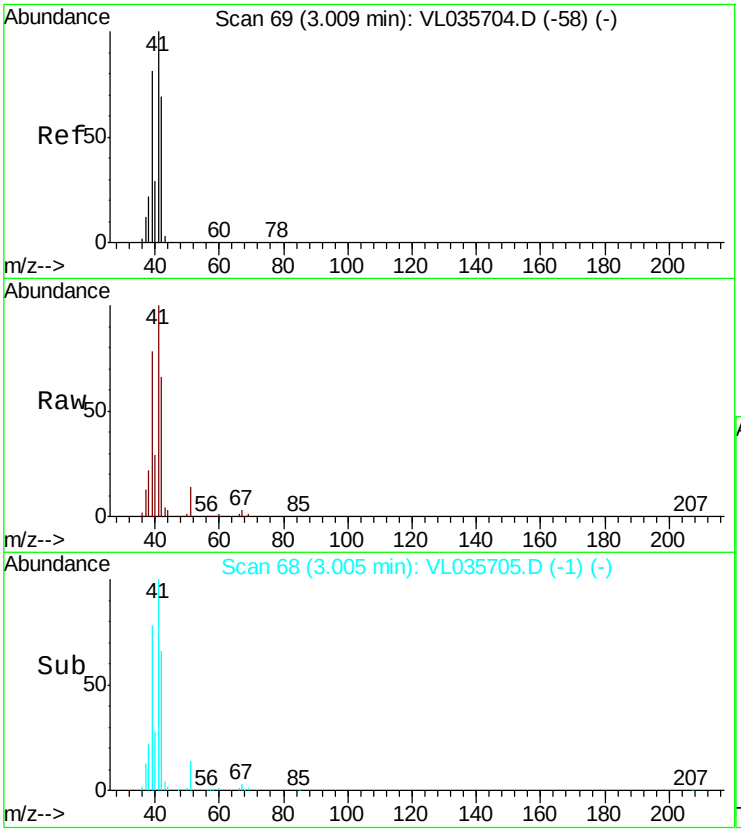


#8
Dichlorotetrafluoroethane
Concen: 1.974 ppbv
RT: 3.19 min Scan# 124
Delta R.T. 0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 85 Resp: 532725

Ion	Ratio	Lower	Upper
85	100		
135	78.3	64.3	96.5



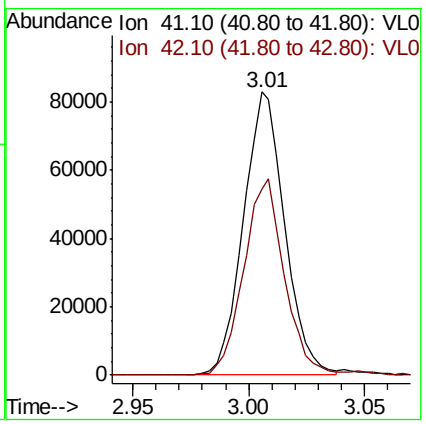


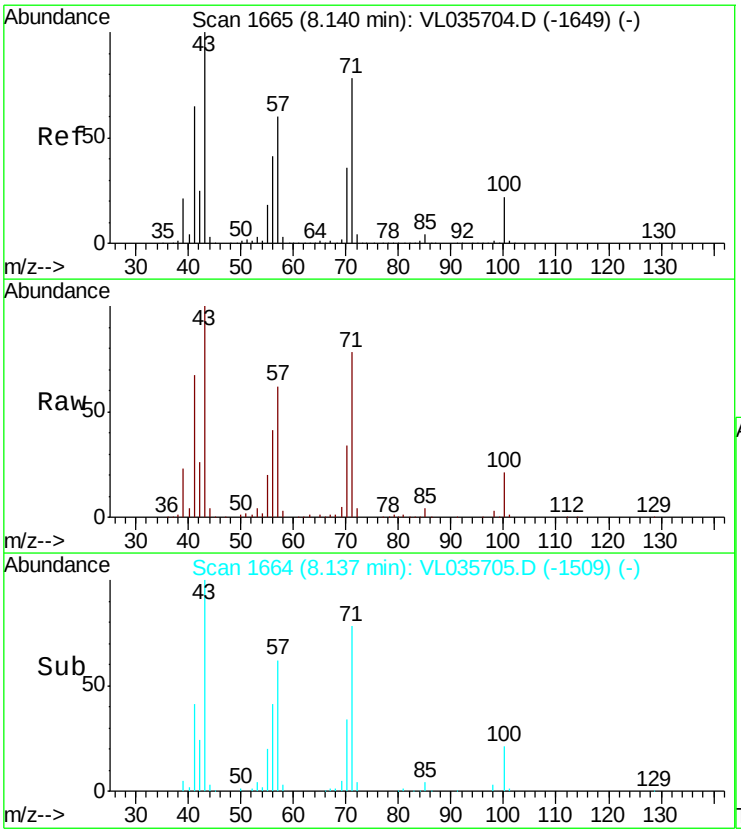
#9
Propene
Concen: 1.875 ppbv
RT: 3.01 min Scan# 68
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 41 Resp: 102710

Ion	Ratio	Lower	Upper
41	100		
42	69.1	56.2	84.4

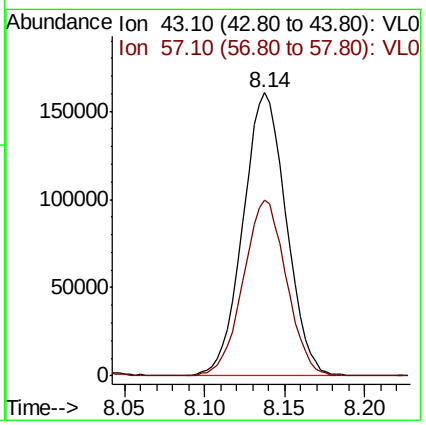


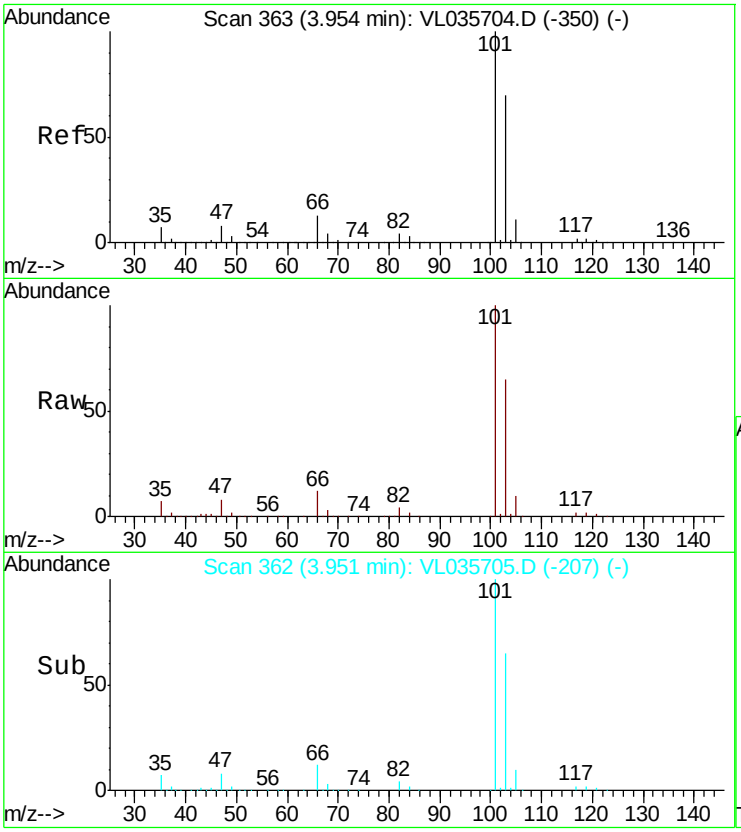


#10
Heptane
Concen: 1.983 ppbv
RT: 8.14 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 43 Resp: 296585

Ion	Ratio	Lower	Upper
43	100		
57	62.4	50.4	75.6



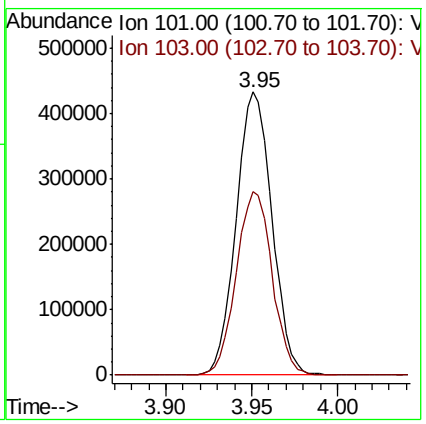


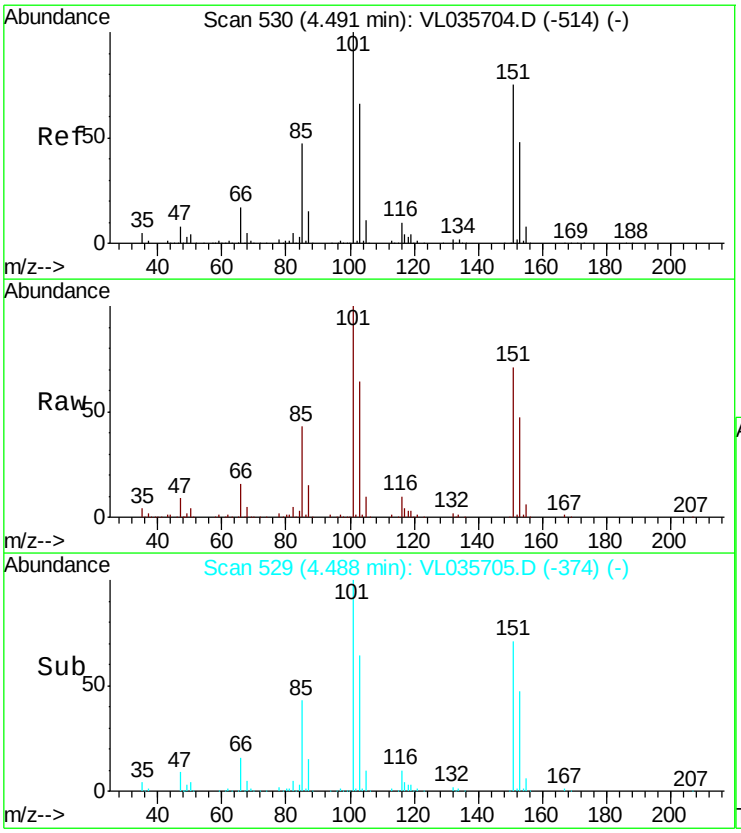
#11
Trichlorofluoromethane
Concen: 1.931 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:101 Resp: 626748

Ion	Ratio	Lower	Upper
101	100		
103	64.9	55.6	83.4

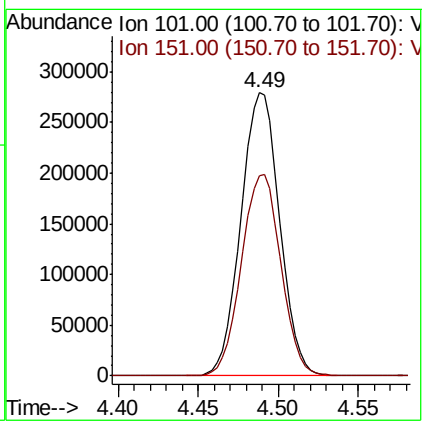


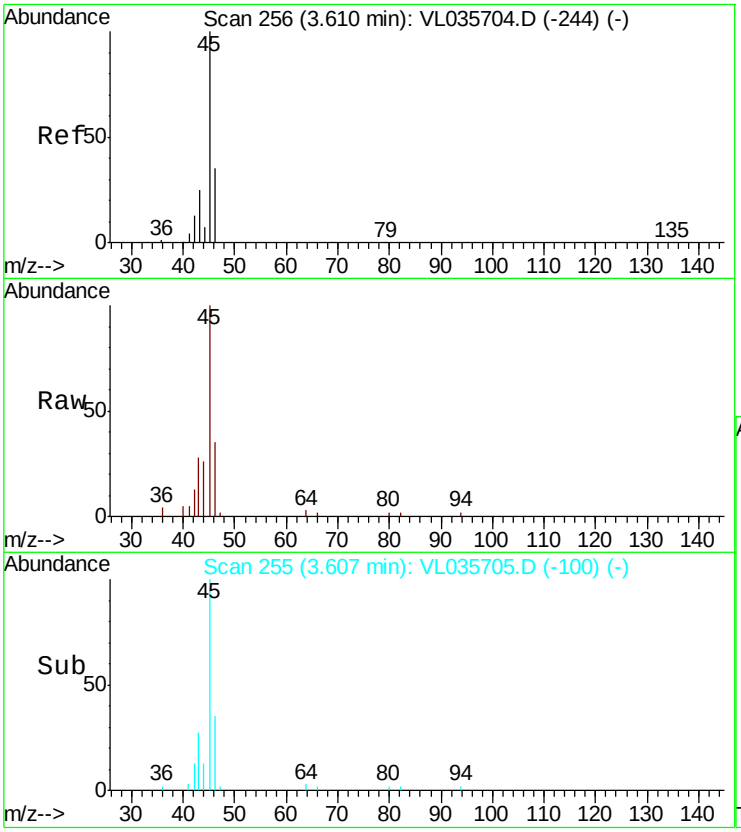


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.887 ppbv
RT: 4.49 min Scan# 529
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion:101 Resp: 461254

Ion	Ratio	Lower	Upper
101	100		
151	72.6	59.1	88.7



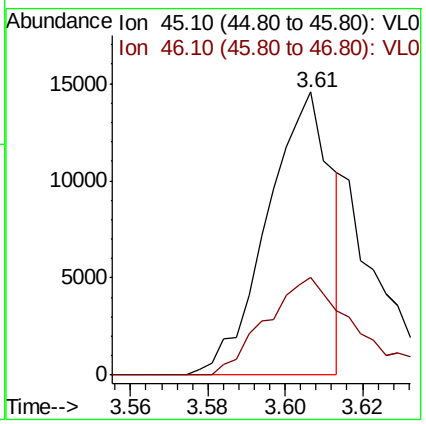


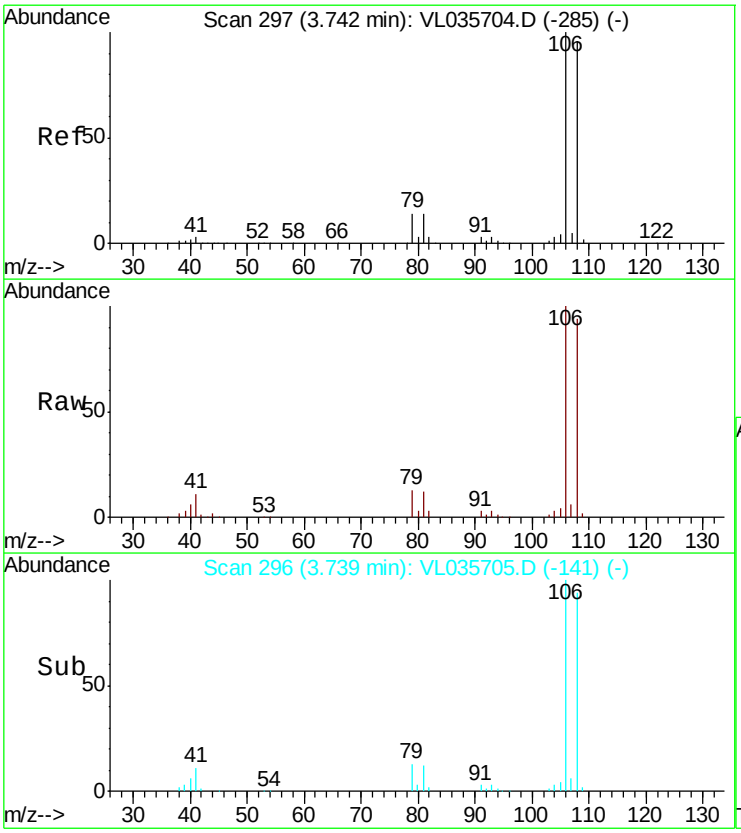
#13
Ethanol
Concen: 1.230 ppbv
RT: 3.61 min Scan# 255
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 45 Resp: 16709

Ion	Ratio	Lower	Upper
45	100		
46	50.3	14.7	58.7

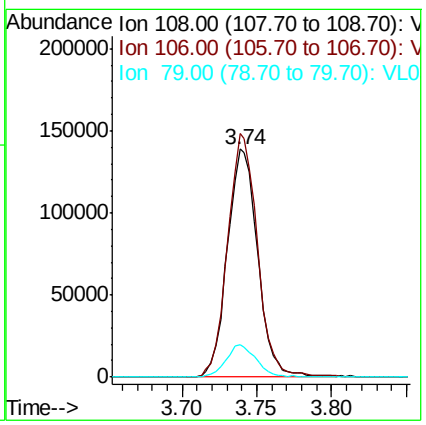


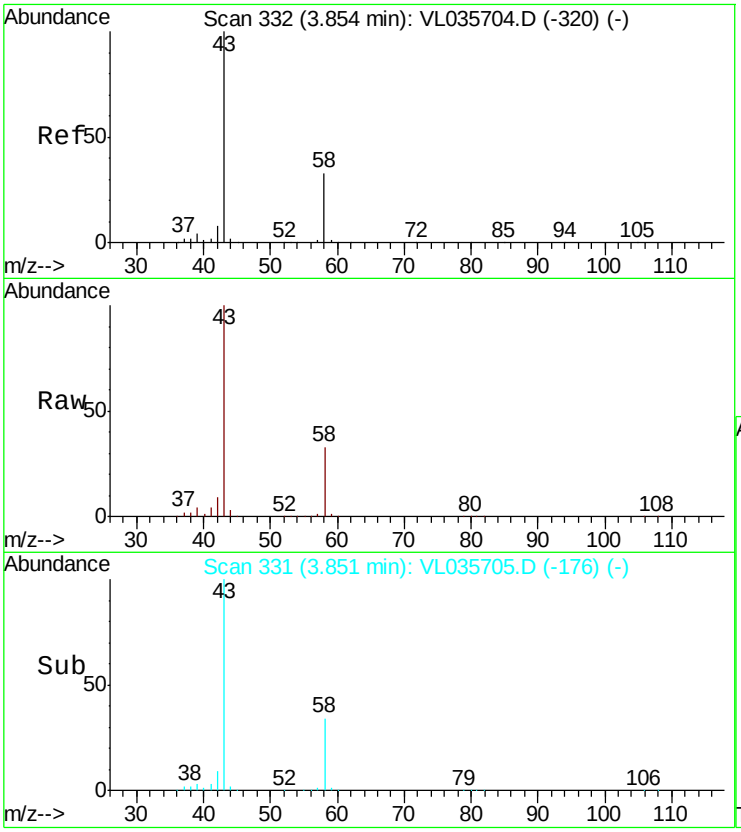


#14
Bromoethene
Concen: 1.873 ppbv
RT: 3.74 min Scan# 296
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion:108 Resp: 195835

Ion	Ratio	Lower	Upper
108	100		
106	105.0	84.6	126.8
79	14.8	11.6	17.4



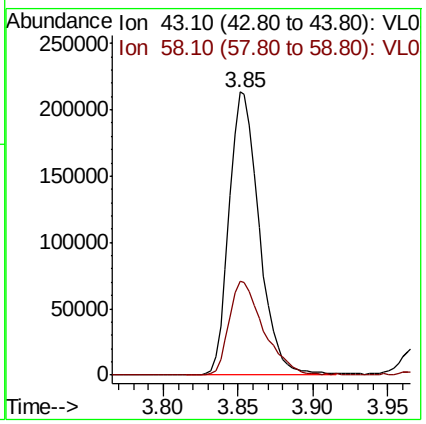


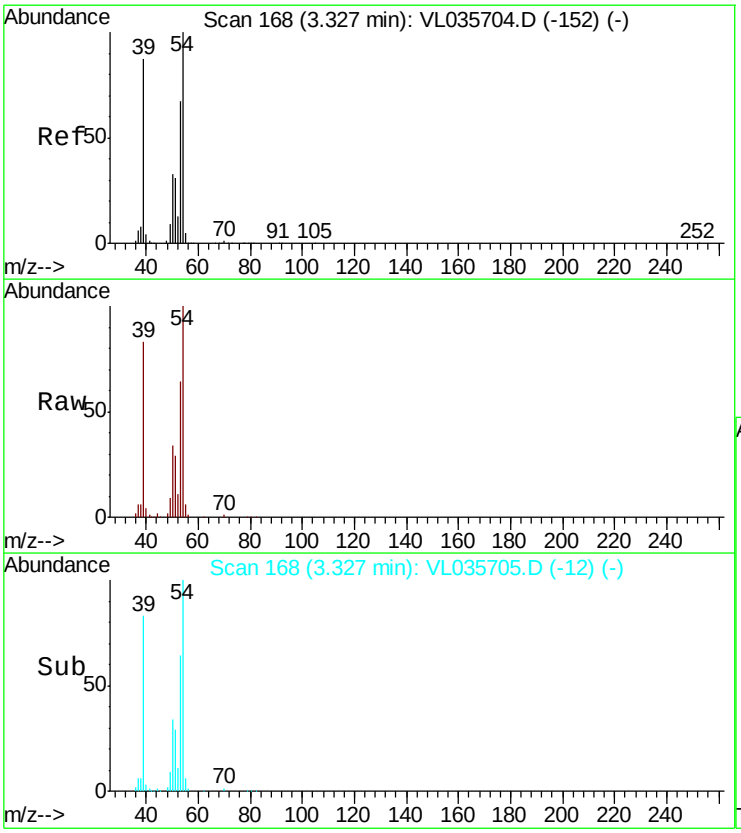
#15
Acetone
Concen: 2.126 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 300418

Ion	Ratio	Lower	Upper
43	100		
58	38.2	27.3	40.9

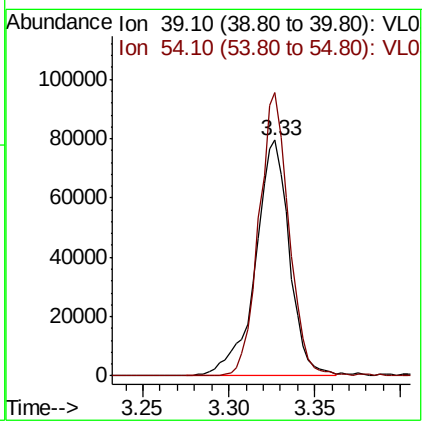


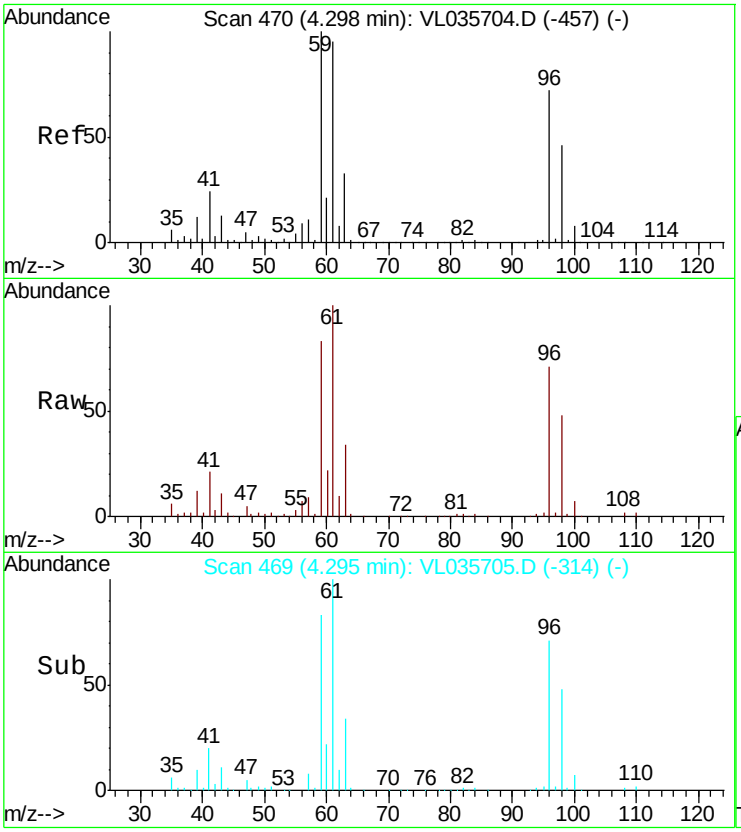


#16
1,3-Butadiene
Concen: 2.044 ppbv
RT: 3.33 min Scan# 168
Delta R.T. 0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 39 Resp: 108733

Ion	Ratio	Lower	Upper
39	100		
54	106.7	87.4	131.0



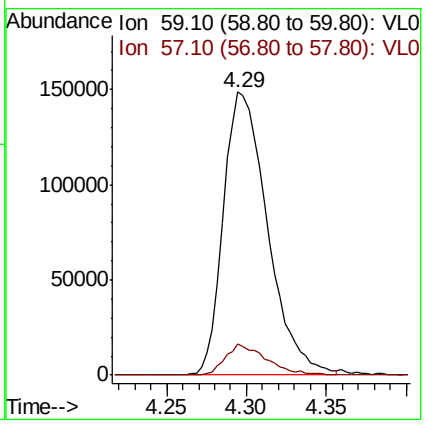


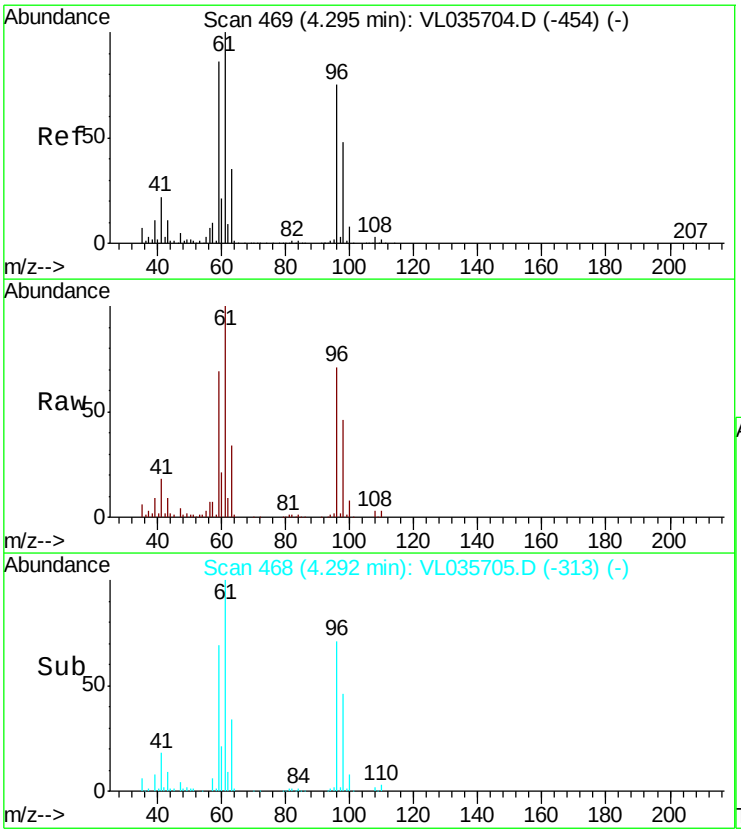
#17
tert-Butyl alcohol
Concen: 1.647 ppbv
RT: 4.29 min Scan# 469
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 59 Resp: 280288

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

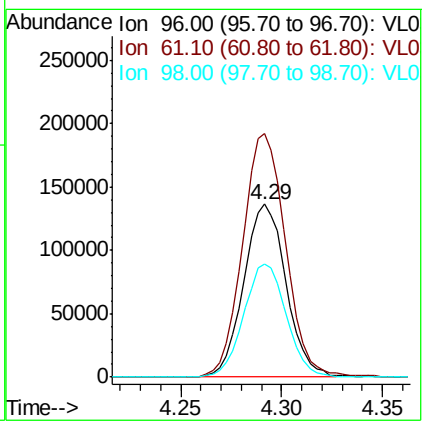


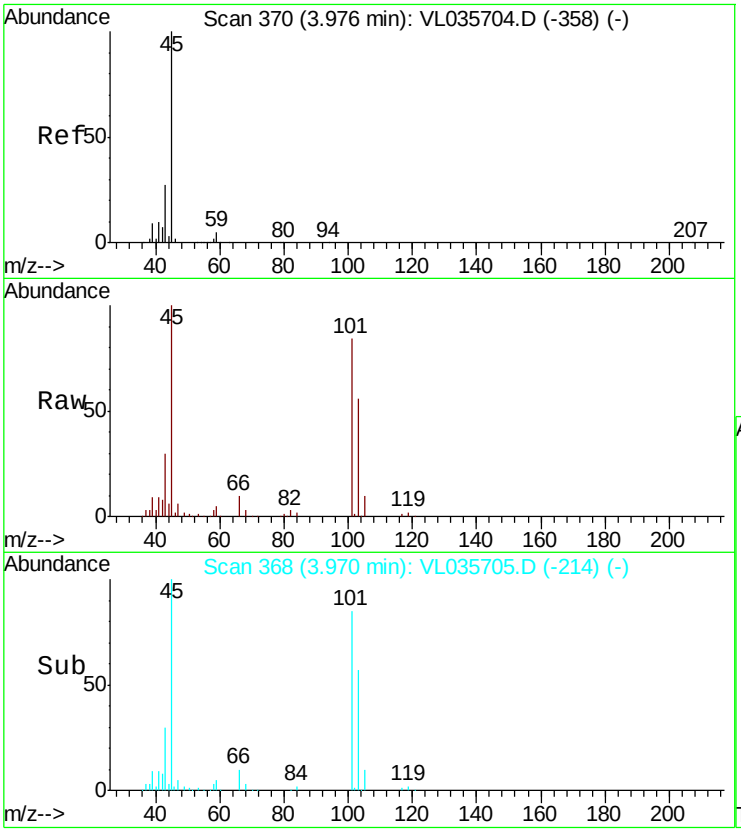


#18
1,1-Dichloroethene
Concen: 1.866 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 96 Resp: 200739

Ion	Ratio	Lower	Upper
96	100		
61	140.7	106.7	160.1
98	65.1	50.8	76.2



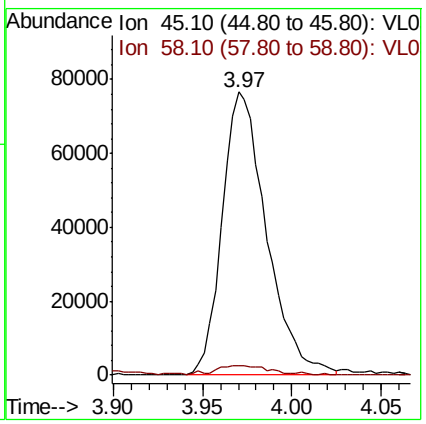


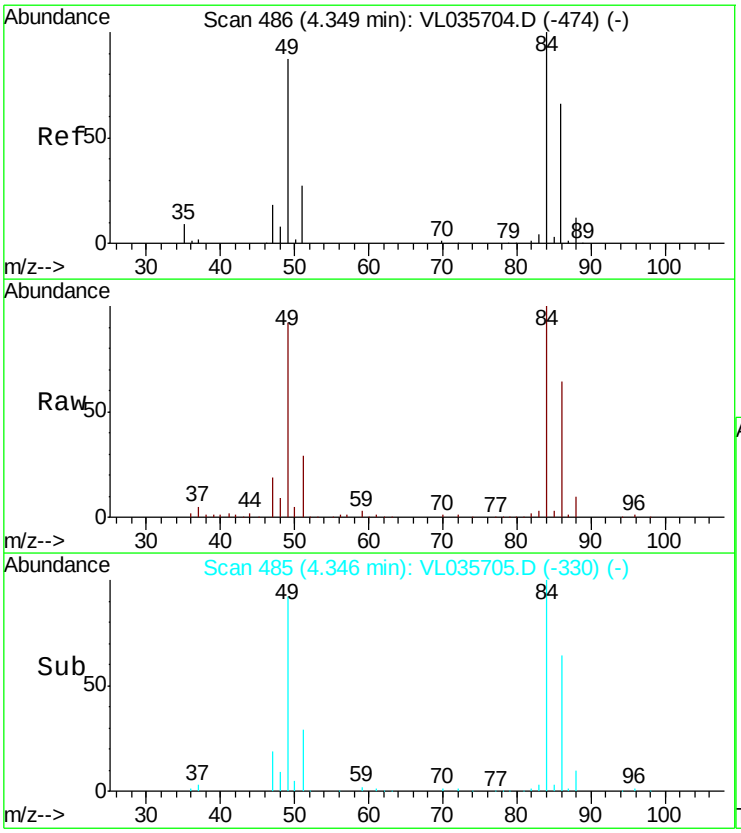
#19
Isopropyl Alcohol
Concen: 1.580 ppbv
RT: 3.97 min Scan# 368
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 45 Resp: 131430

Ion	Ratio	Lower	Upper
45	100		
58	4.9	2.8	4.2#

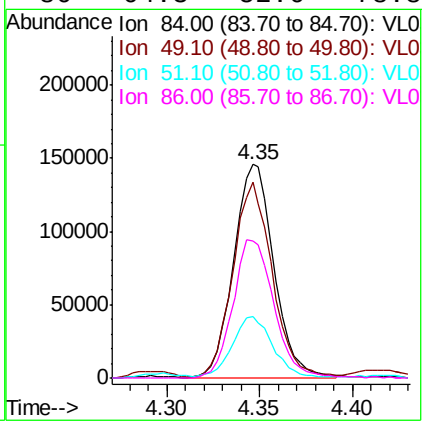


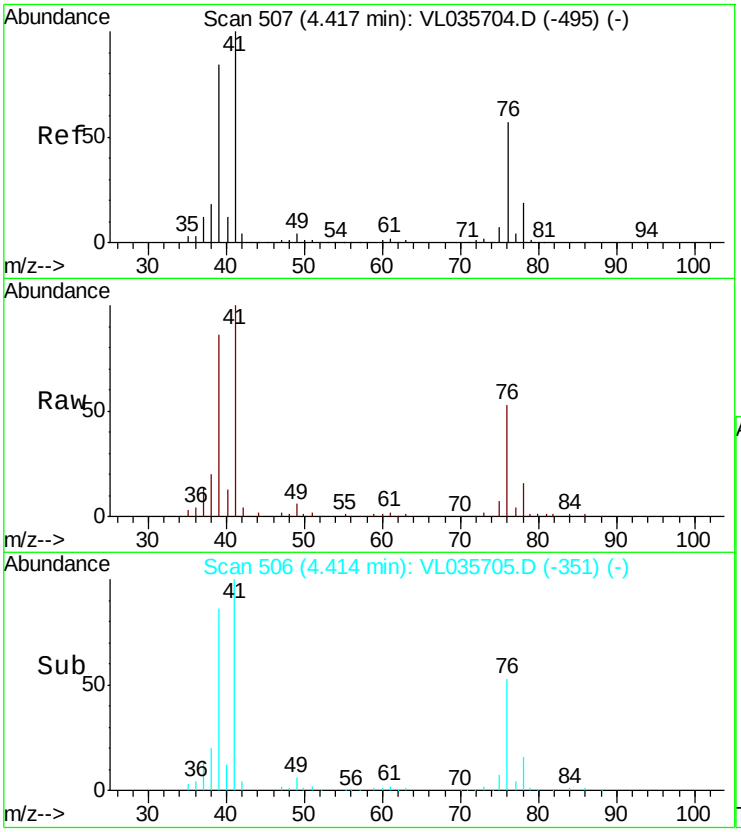


#20
Methylene Chloride
Concen: 2.049 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 84 Resp: 218001

Ion	Ratio	Lower	Upper
84	100		
49	90.9	69.8	104.6
51	28.1	21.8	32.8
86	64.3	52.6	78.8



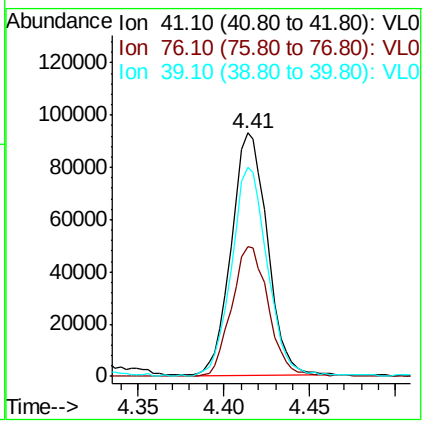


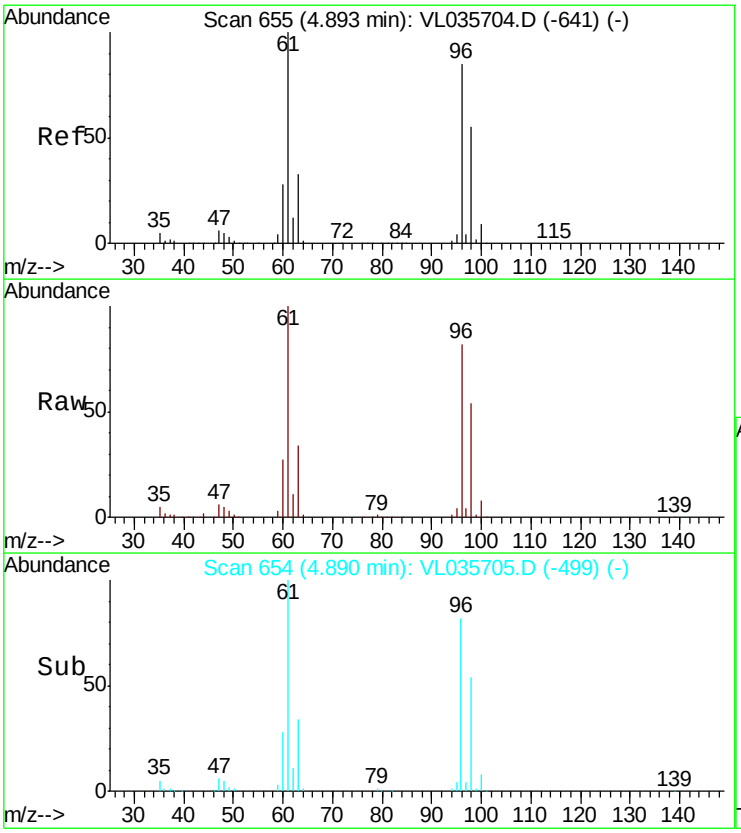
#21
Allyl Chloride
Concen: 2.030 ppbv
RT: 4.41 min Scan# 506
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 41 Resp: 135799

Ion	Ratio	Lower	Upper
41	100		
76	54.2	44.8	67.2
39	85.2	68.4	102.6

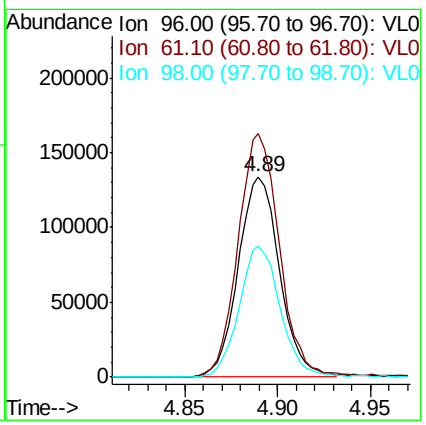


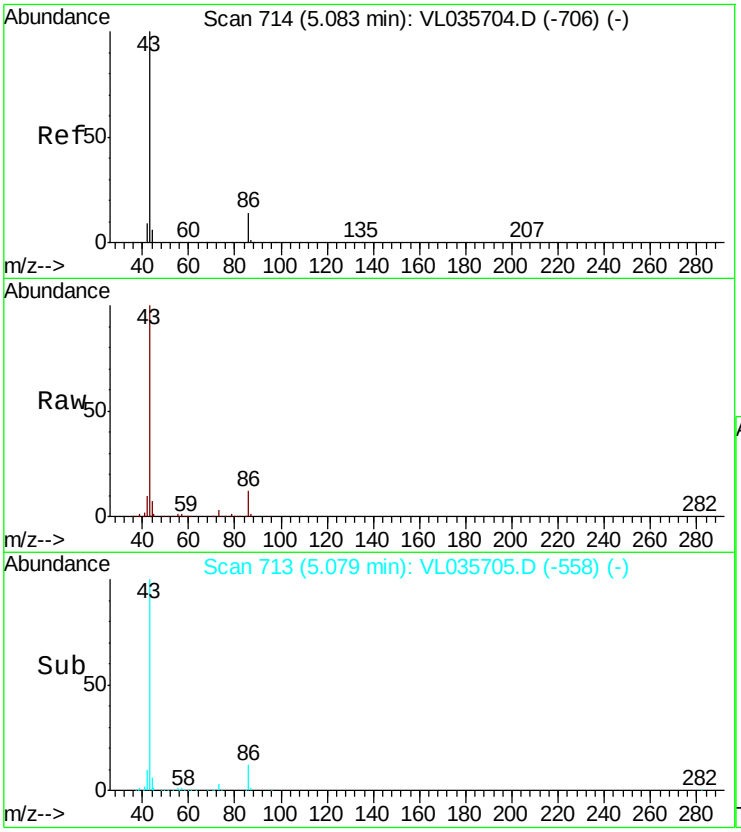


#22
trans-1,2-Dichloroethene
Concen: 1.815 ppbv
RT: 4.89 min Scan# 654
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 96 Resp: 208135

Ion	Ratio	Lower	Upper
96	100		
61	121.3	93.7	140.5
98	65.3	51.2	76.8



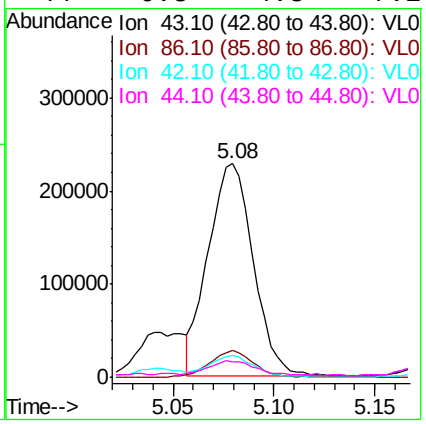


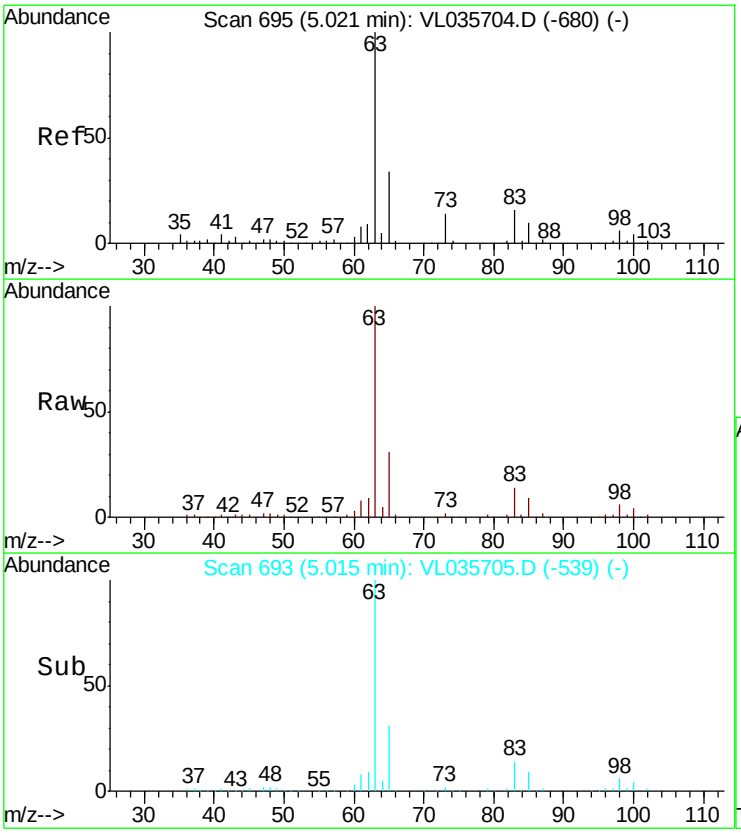
#23
Vinyl Acetate
Concen: 1.944 ppbv
RT: 5.08 min Scan# 713
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 354127

Ion	Ratio	Lower	Upper
43	100		
86	12.4	9.7	14.5
42	9.8	7.9	11.9
44	6.3	4.8	7.2

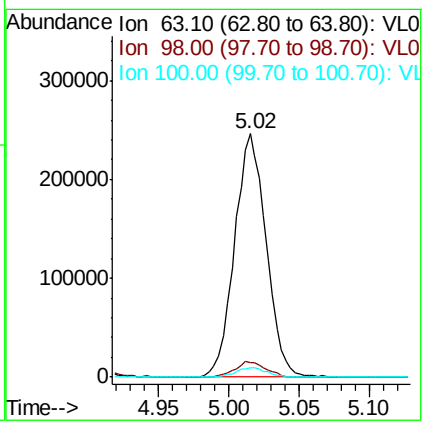


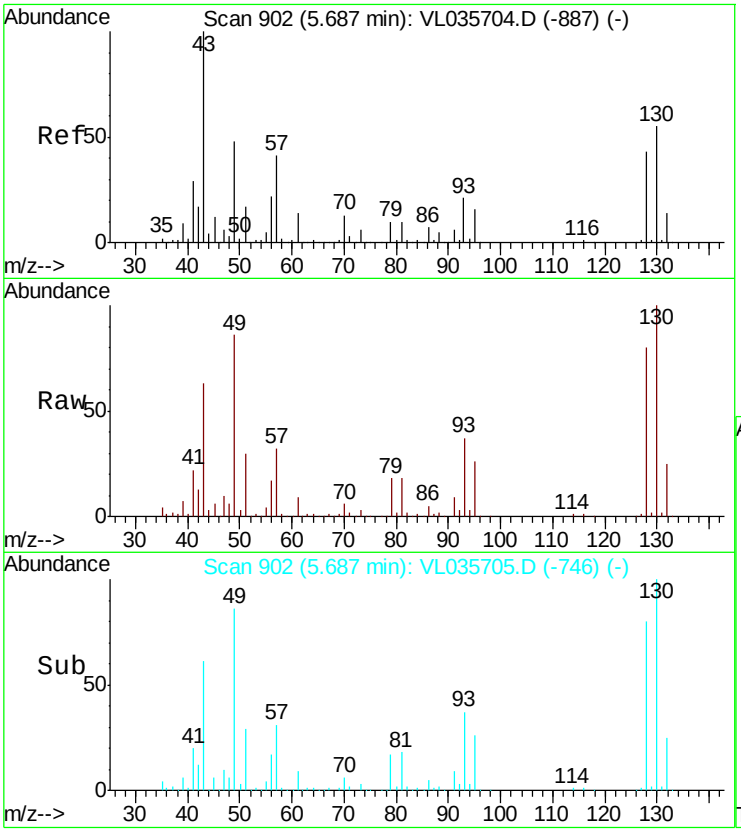


#24
1,1-Dichloroethane
Concen: 2.045 ppbv
RT: 5.02 min Scan# 693
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 63 Resp: 385737

Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.3	9.8
100	3.7	2.0	5.8



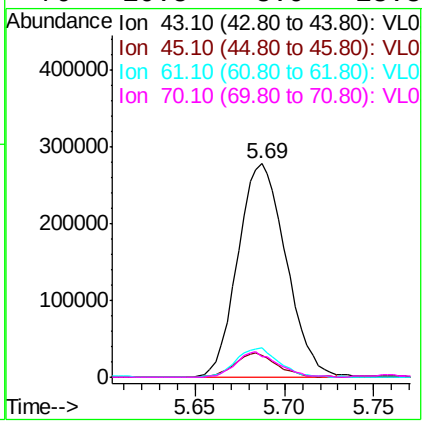


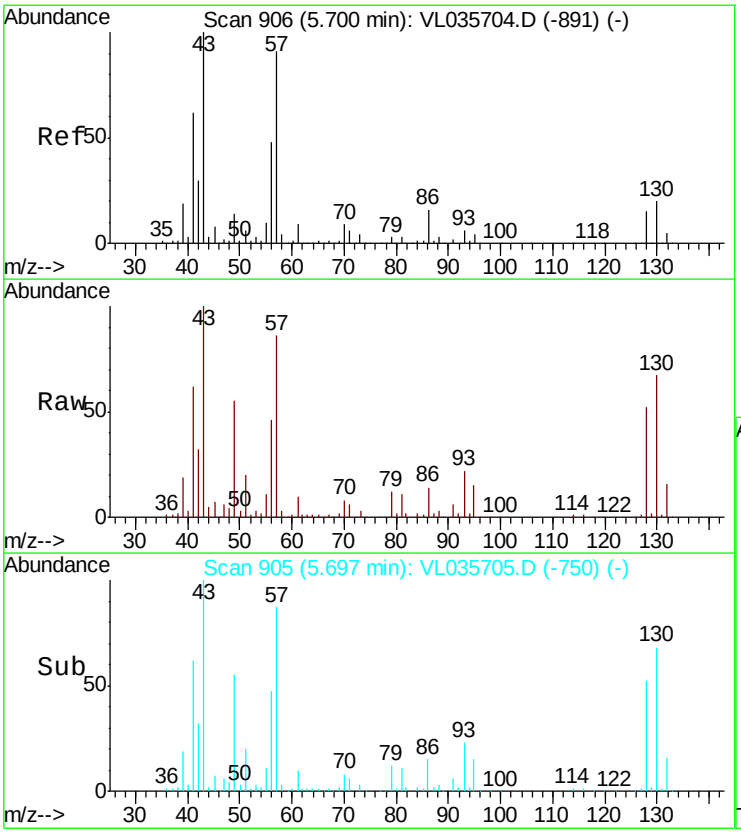
#25
Ethyl Acetate
Concen: 2.060 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 523830

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.6	12.8
61	12.7	10.4	15.6
70	10.5	8.9	13.3

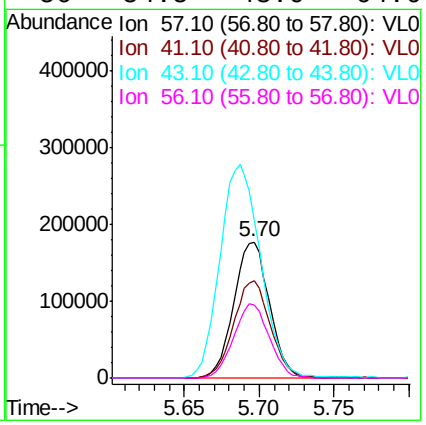


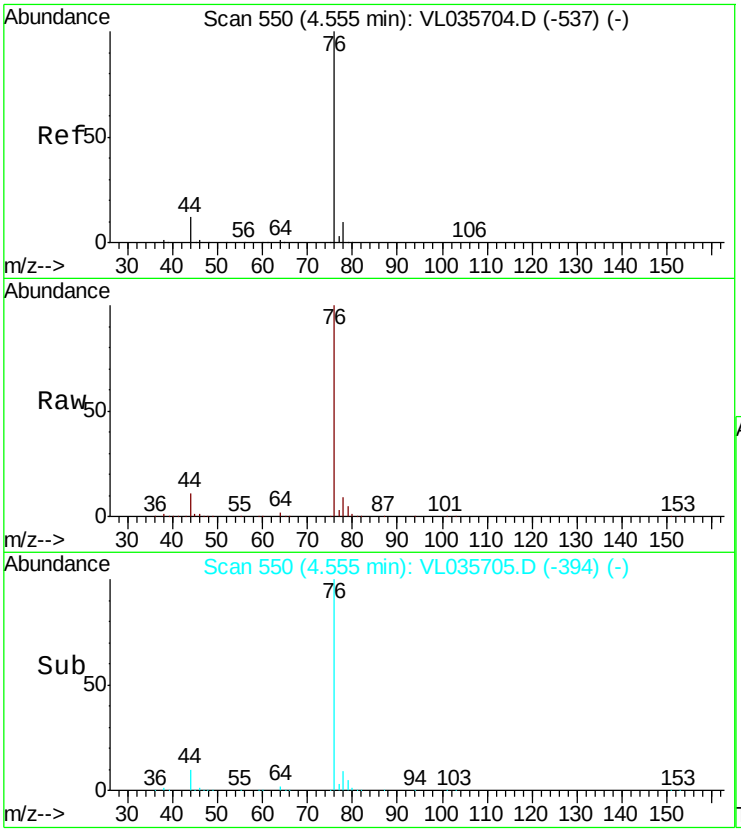


#26
Hexane
Concen: 2.041 ppbv
RT: 5.70 min Scan# 905
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 57 Resp: 293407

Ion	Ratio	Lower	Upper
57	100		
41	74.7	57.9	86.9
43	180.3	143.8	215.6
56	54.5	43.0	64.6



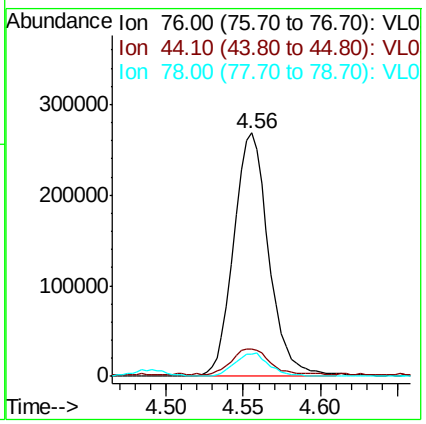


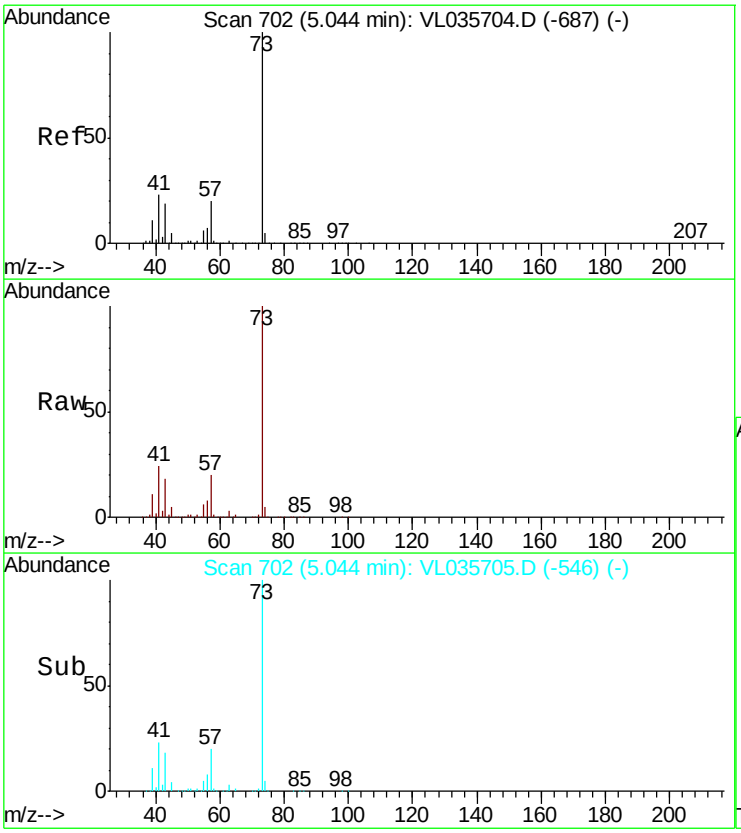
#27
Carbon Disulfide
Concen: 2.057 ppbv
RT: 4.56 min Scan# 550
Delta R.T. 0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 76 Resp: 421888

Ion	Ratio	Lower	Upper
76	100		
44	12.0	9.7	14.5
78	10.0	7.8	11.8

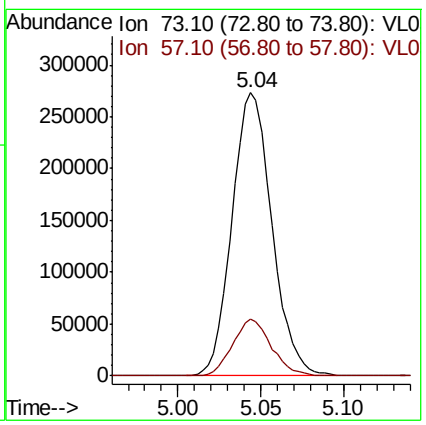


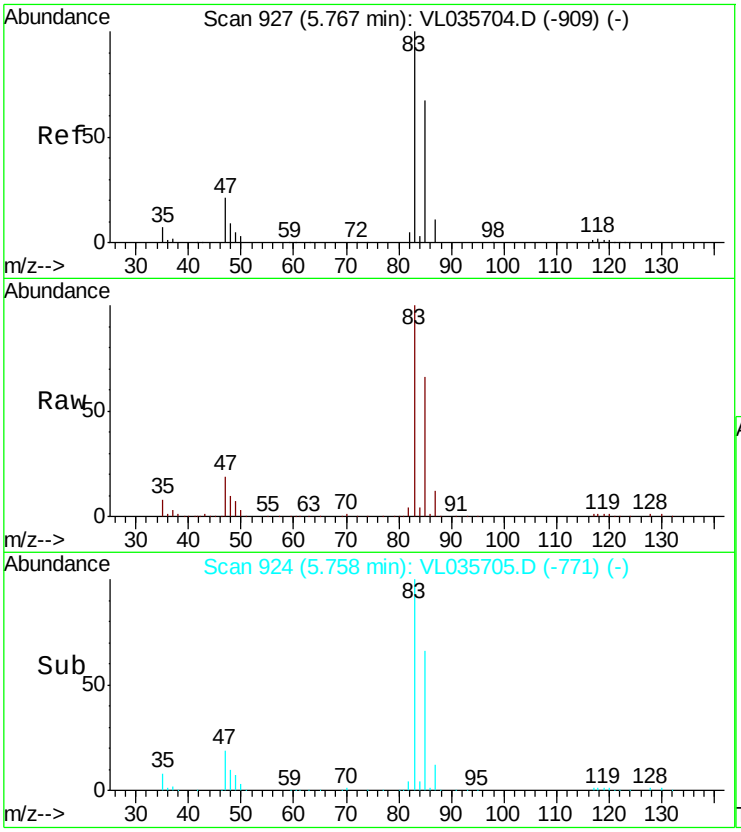


#28
Methyl tert-Butyl Ether
Concen: 1.872 ppbv
RT: 5.04 min Scan# 702
Delta R.T. 0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 73 Resp: 457486

Ion	Ratio	Lower	Upper
73	100		
57	19.5	15.6	23.4



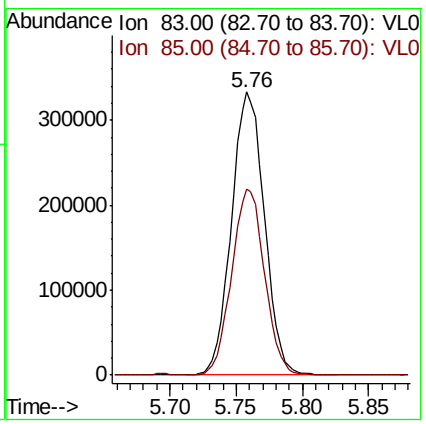


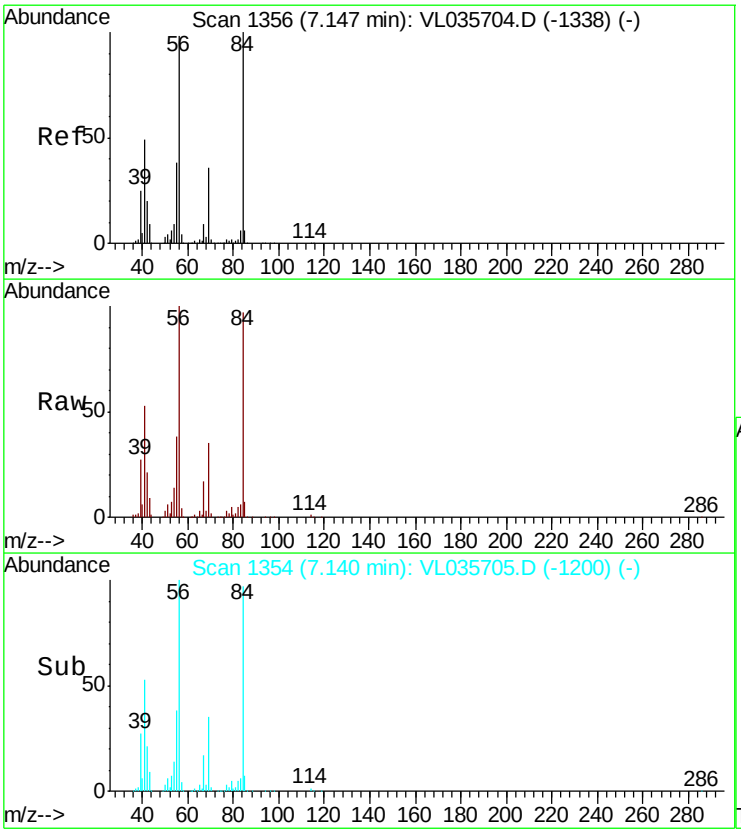
#29
Chloroform
Concen: 1.978 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 574344

Ion	Ratio	Lower	Upper
83	100		
85	65.7	54.0	81.0

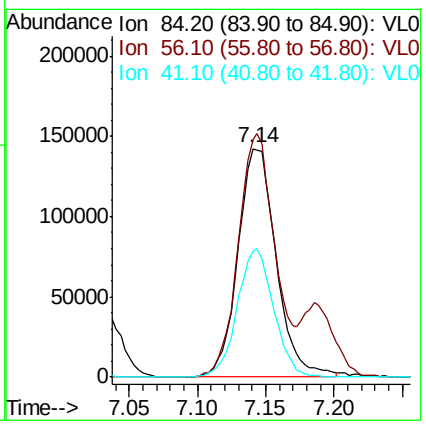


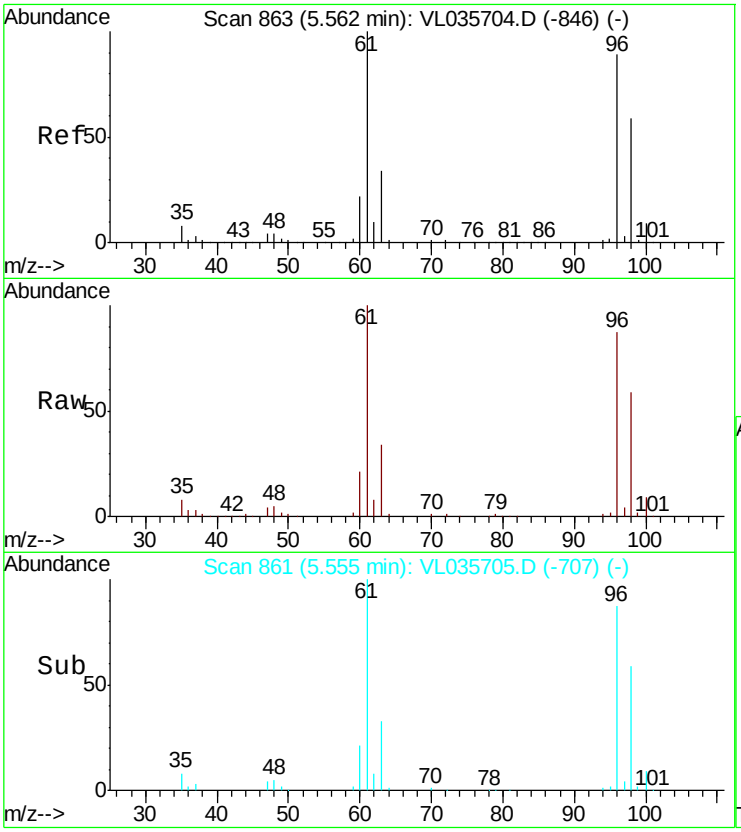


#30
Cyclohexane
Concen: 1.834 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 84 Resp: 277810

Ion	Ratio	Lower	Upper
84	100		
56	129.5	84.6	127.0#
41	53.4	41.1	61.7



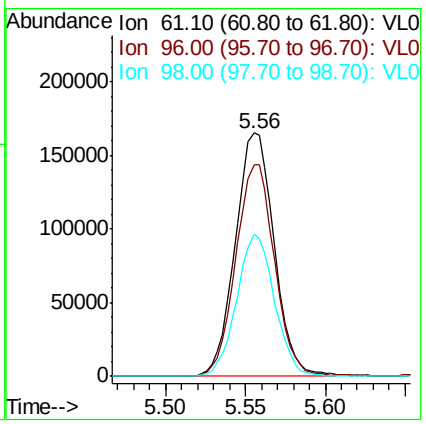


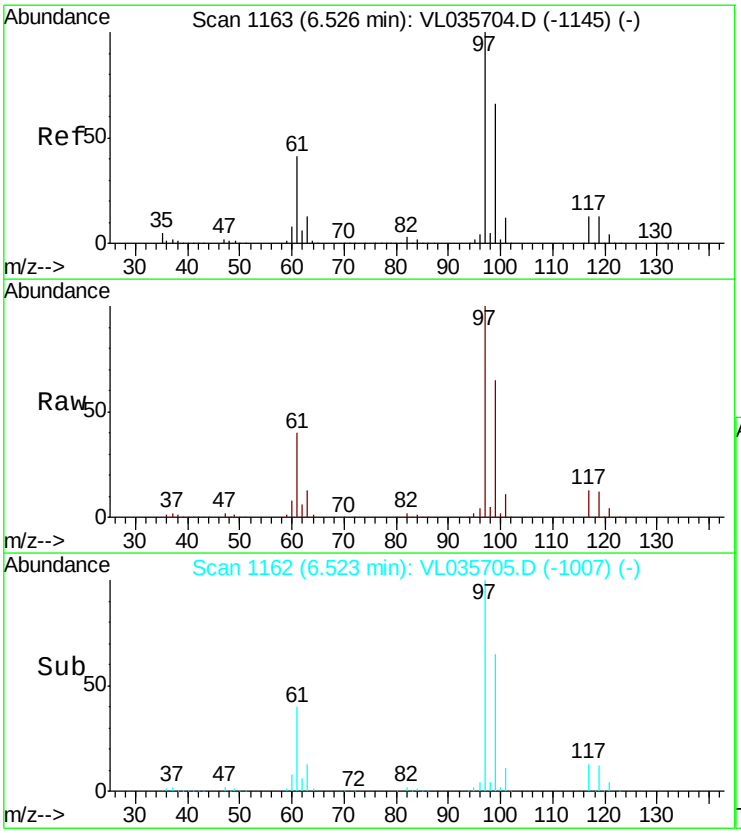
#31
cis-1,2-Dichloroethene
Concen: 1.874 ppbv
RT: 5.56 min Scan# 861
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 61 Resp: 273164

Ion	Ratio	Lower	Upper
61	100		
96	86.7	71.4	107.2
98	58.6	47.4	71.2

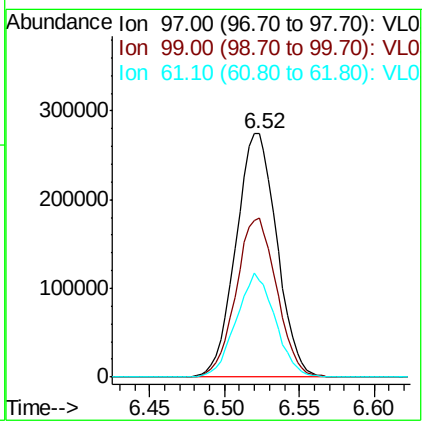


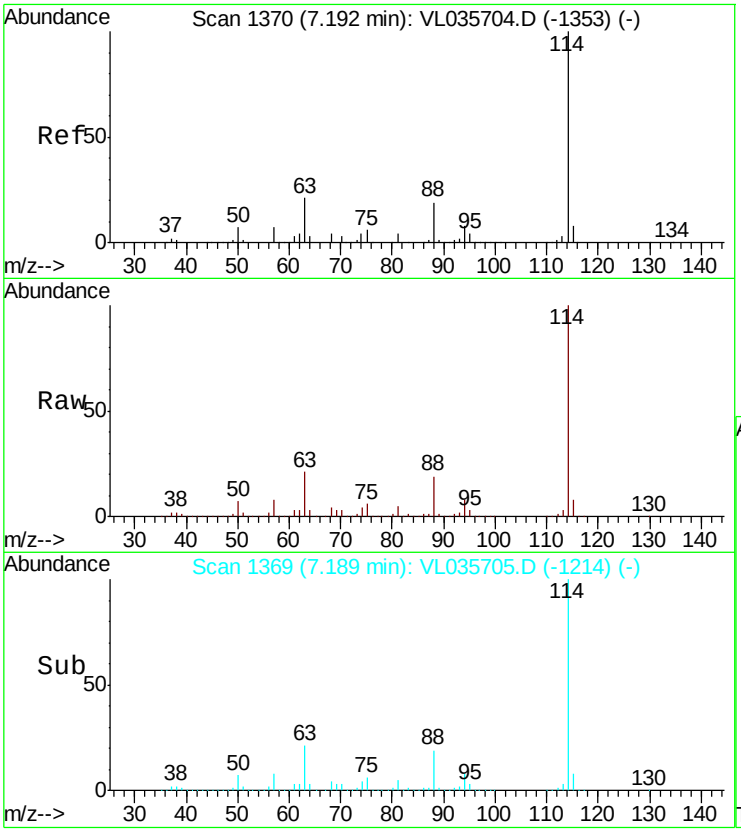


#32
1,1,1-Trichloroethane
Concen: 1.858 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 97 Resp: 521794

Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.7	79.1
61	40.8	32.7	49.1



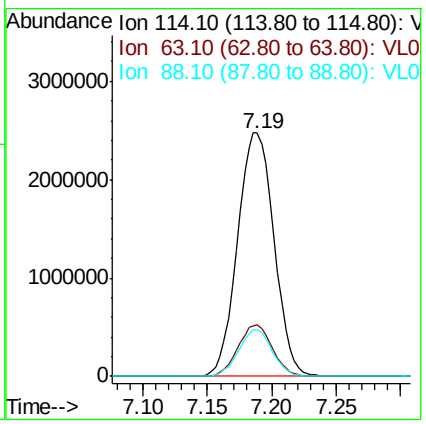


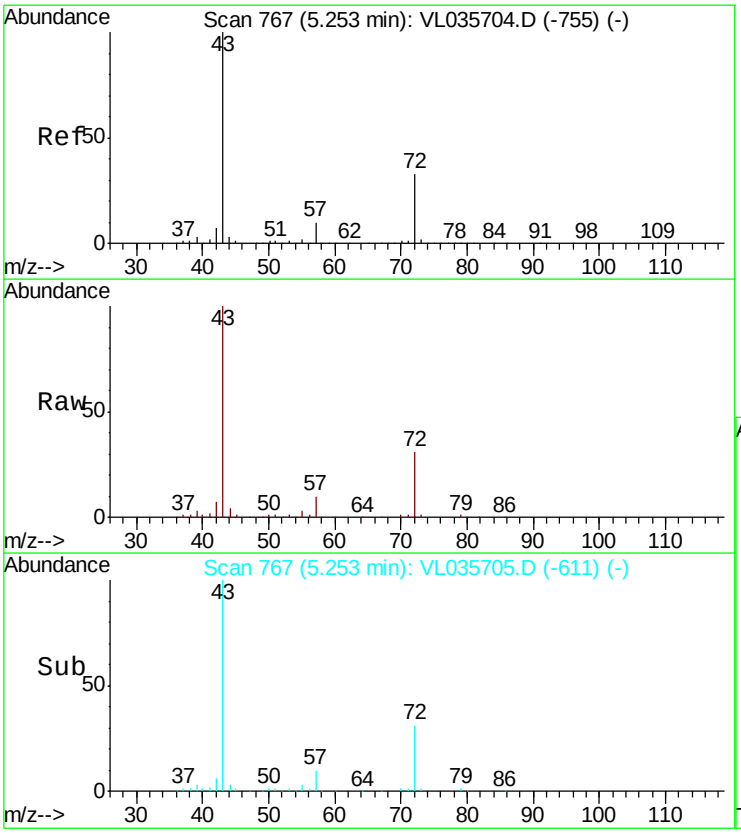
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:114 Resp: 4873830

Ion	Ratio	Lower	Upper
114	100		
63	20.1	16.1	24.1
88	17.8	14.1	21.1

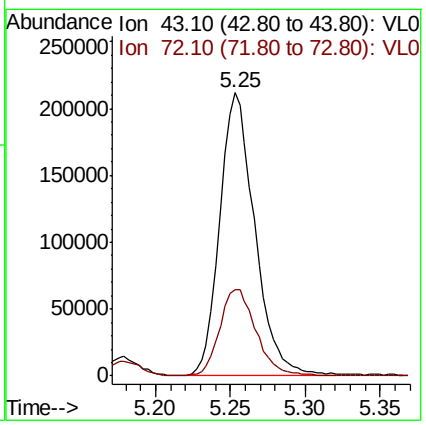


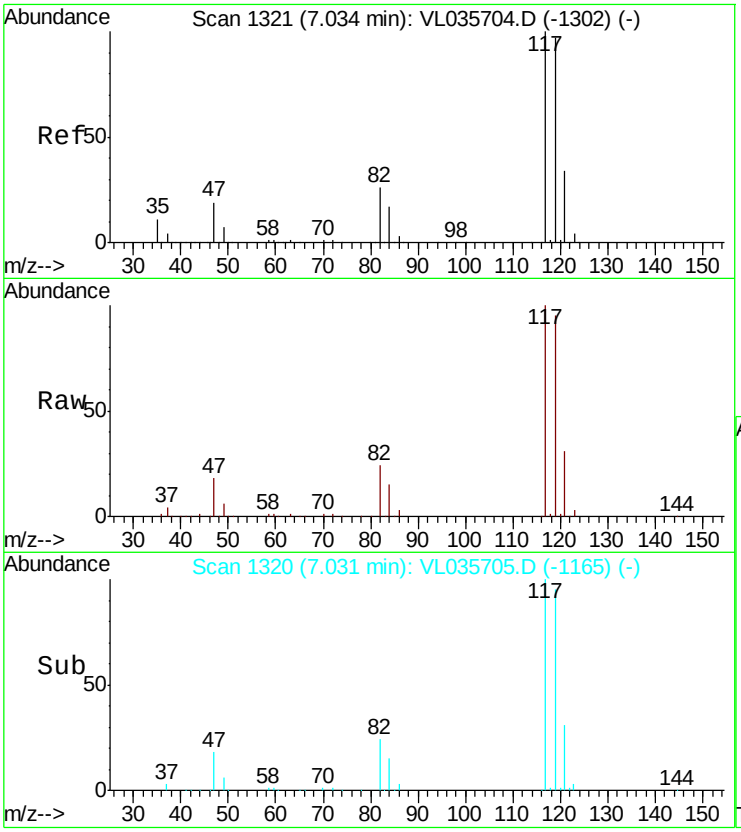


#34
2-Butanone
Concen: 2.320 ppbv
RT: 5.25 min Scan# 767
Delta R.T. 0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 43 Resp: 344083

Ion	Ratio	Lower	Upper
43	100		
72	31.7	26.1	39.1



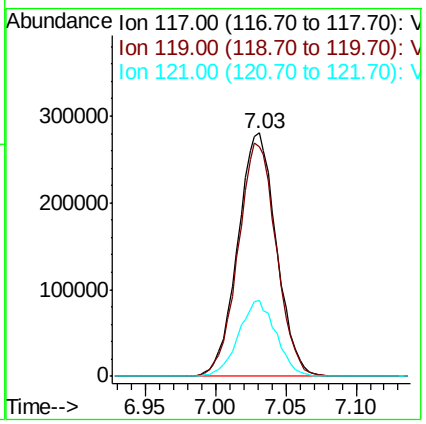


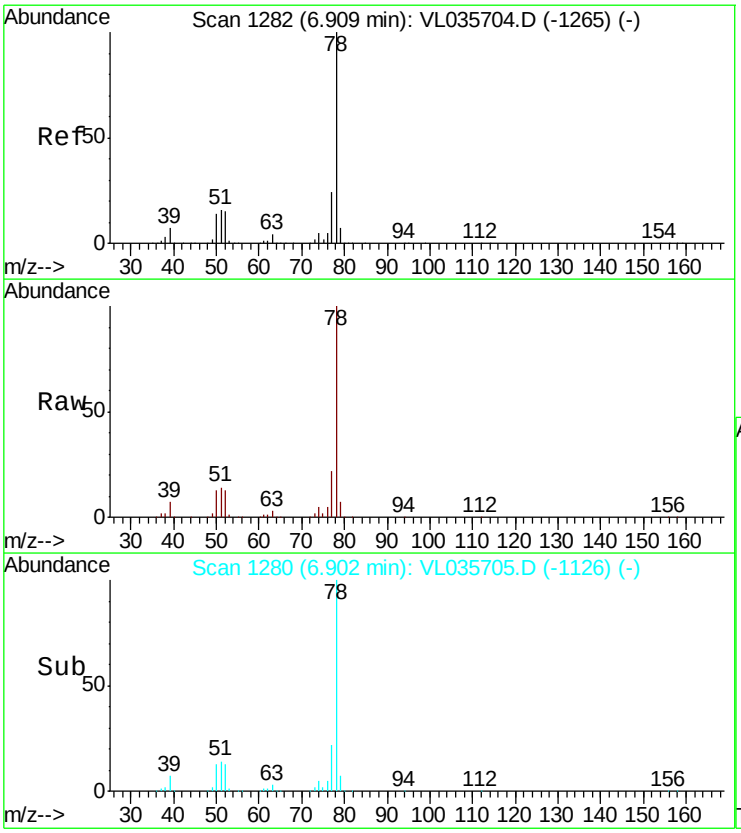
#35
Carbon Tetrachloride
Concen: 2.181 ppbv
RT: 7.03 min Scan# 1320
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 537267

Ion	Ratio	Lower	Upper
117	100		
119	94.5	77.7	116.5
121	31.3	26.9	40.3

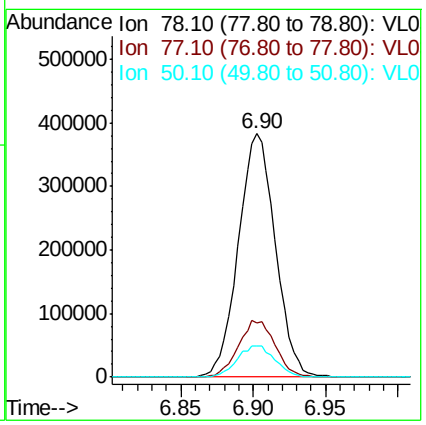


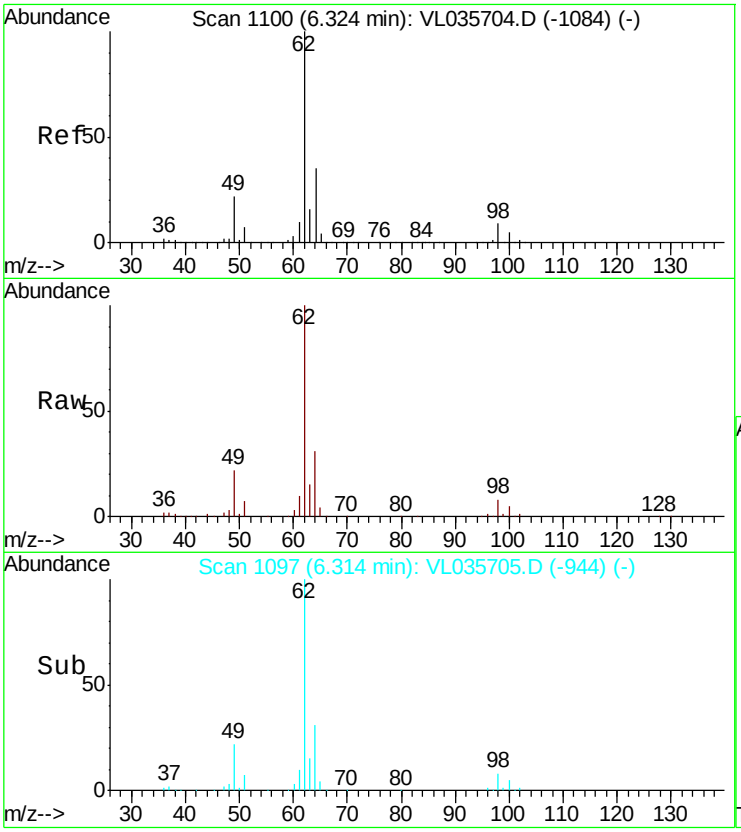


#36
Benzene
Concen: 2.128 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 78 Resp: 678417

Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.3	28.9
50	13.0	11.6	17.4



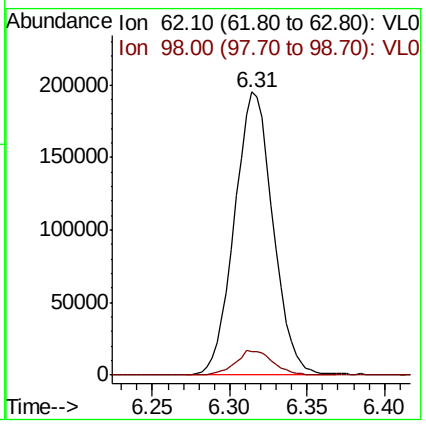


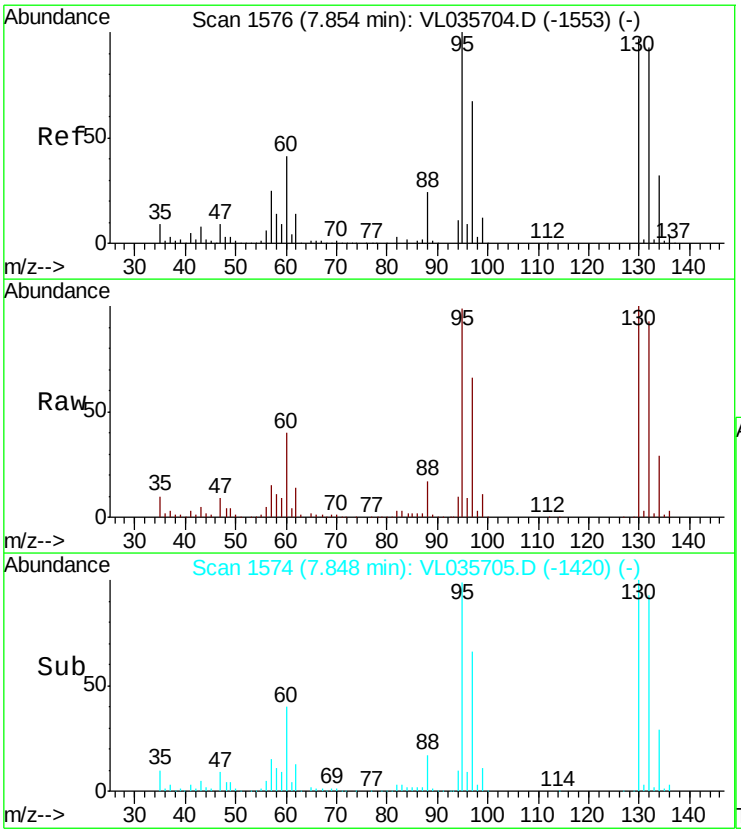
#37
1,2-Dichloroethane
Concen: 2.203 ppbv
RT: 6.31 min Scan# 1097
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 62 Resp: 338206

Ion	Ratio	Lower	Upper
62	100		
98	8.5	6.9	10.3

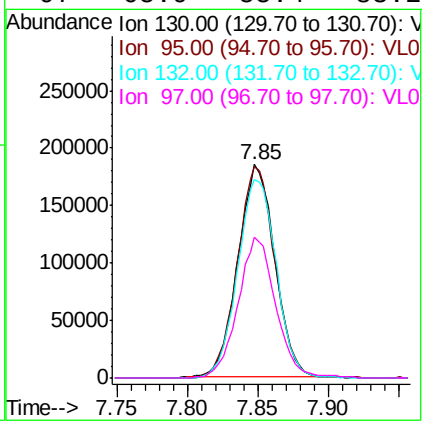


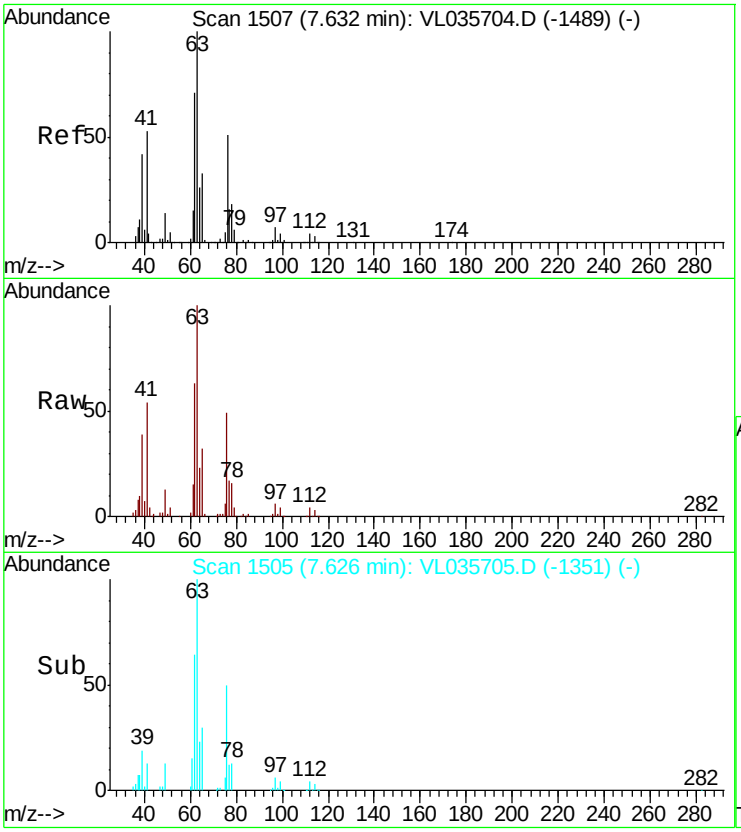


#38
Trichloroethene
Concen: 1.854 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion:130 Resp: 339460

Ion	Ratio	Lower	Upper
130	100		
95	99.1	82.4	123.6
132	93.3	76.8	115.2
97	65.9	55.4	83.2



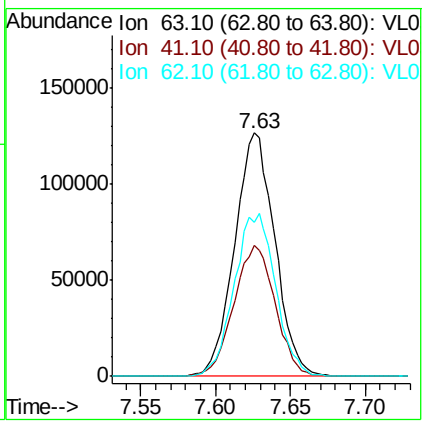


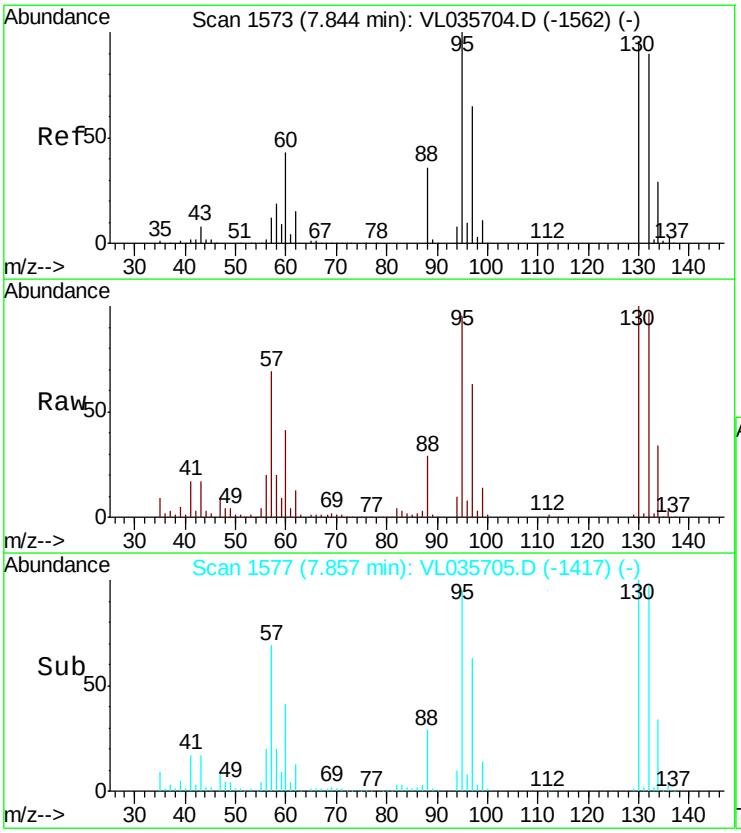
#39
1,2-Dichloropropane
Concen: 2.166 ppbv
RT: 7.63 min Scan# 1505
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 63 Resp: 234864

Ion	Ratio	Lower	Upper
63	100		
41	53.5	42.6	63.8
62	63.6	56.5	84.7

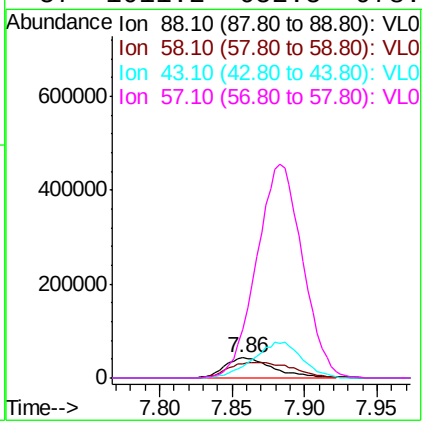


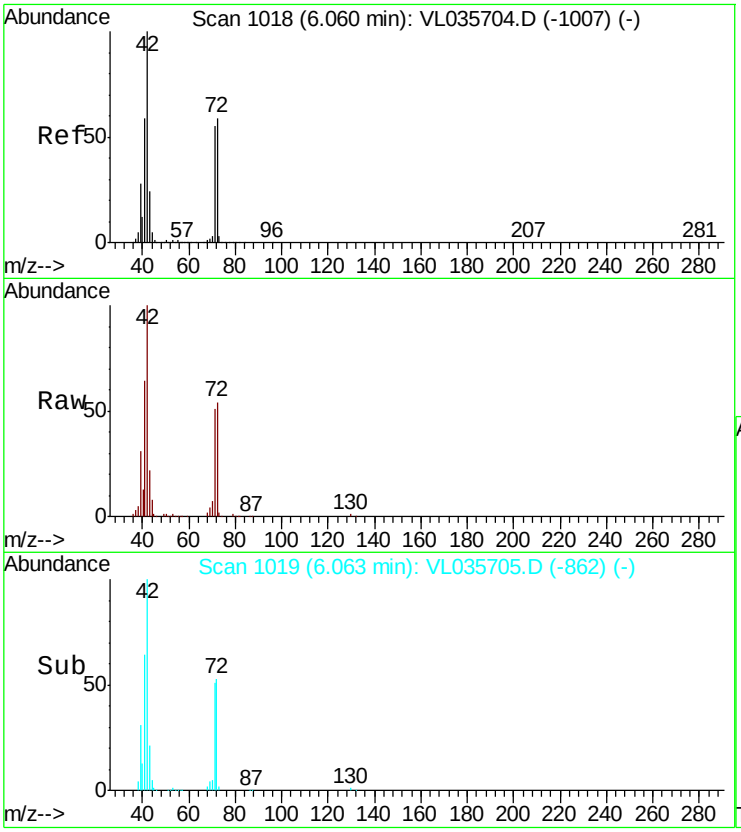


#40
1,4-Dioxane
Concen: 1.883 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 88 Resp: 99533

Ion	Ratio	Lower	Upper
88	100		
58	107.2	76.2	114.4
43	181.3	123.4	185.2
57	1011.2	652.5	978.7#



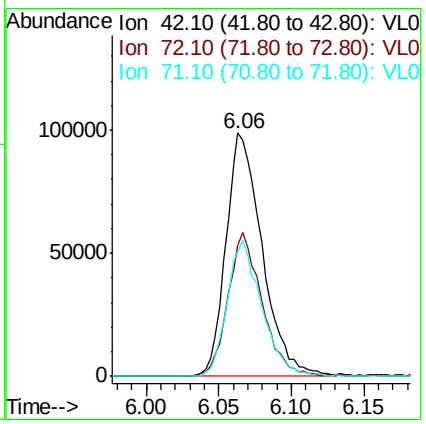


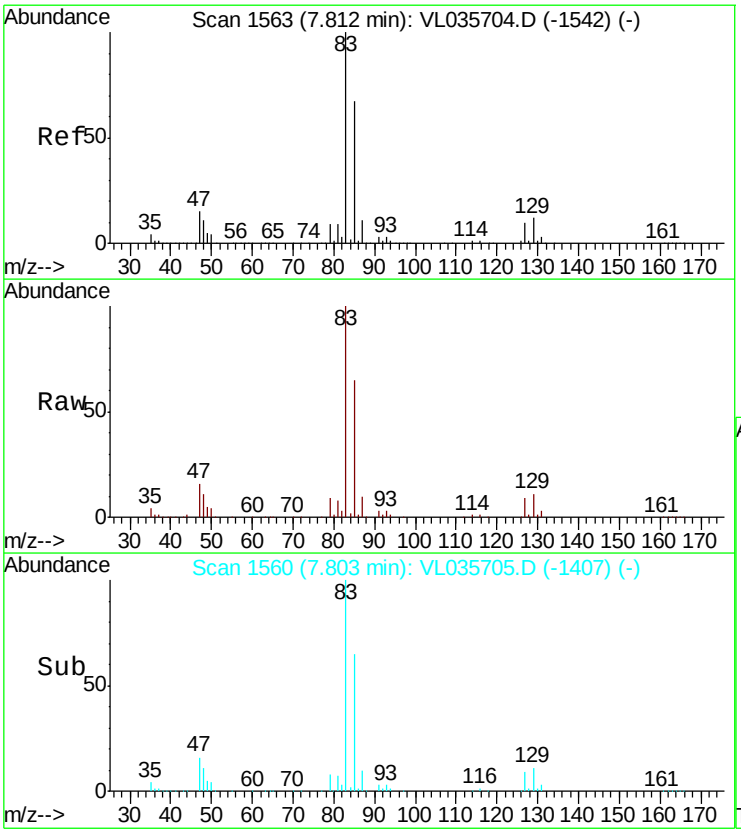
#41
Tetrahydrofuran
Concen: 2.183 ppbv
RT: 6.06 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 42 Resp: 171458

Ion	Ratio	Lower	Upper
42	100		
72	55.7	46.2	69.4
71	53.4	44.2	66.4

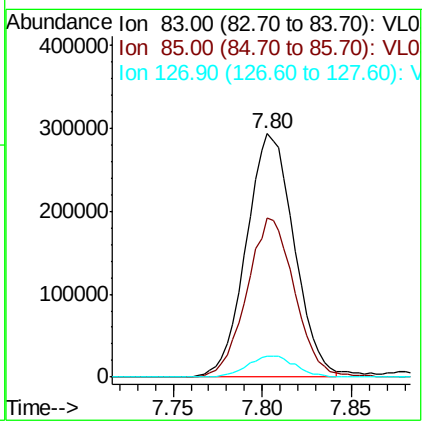


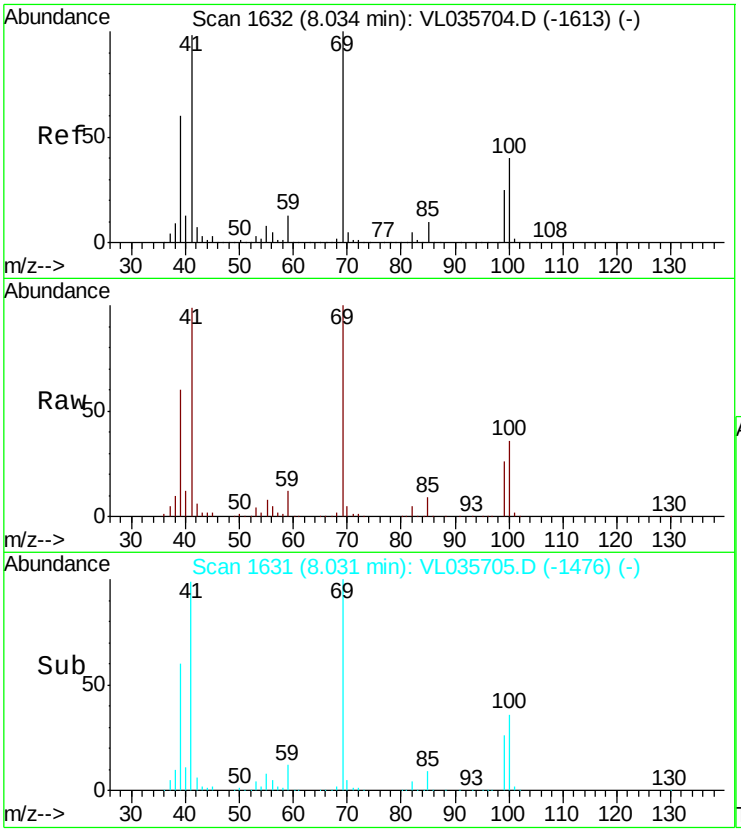


#42
Bromodichloromethane
Concen: 2.210 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 83 Resp: 547105

Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.4	80.0
127	8.7	7.8	11.6



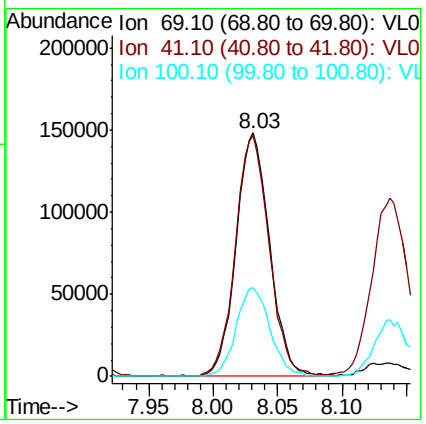


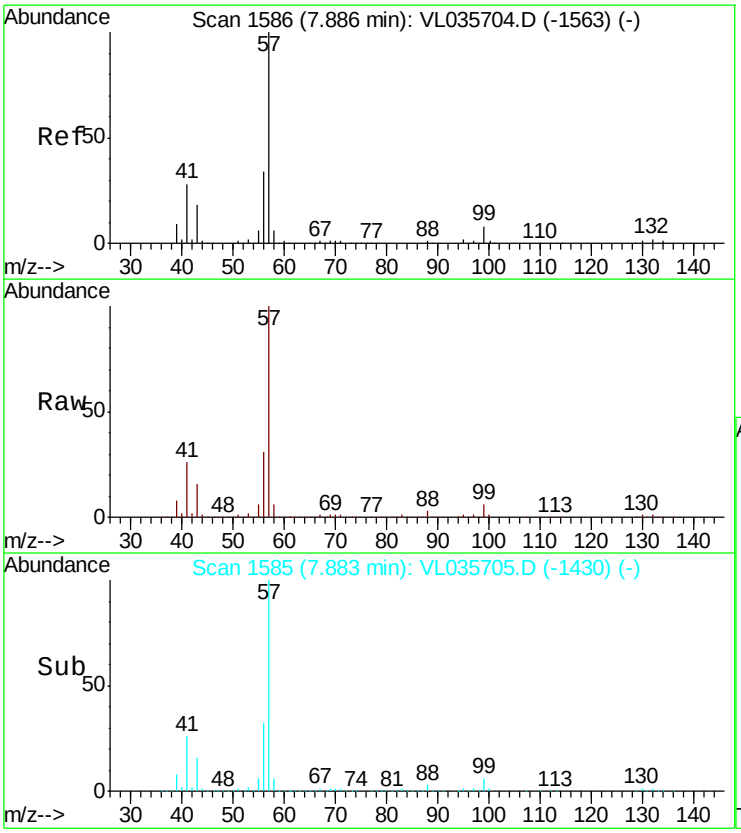
#43
Methyl Methacrylate
Concen: 2.160 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 69 Resp: 268399

Ion	Ratio	Lower	Upper
69	100		
41	98.8	79.8	119.6
100	37.0	30.6	46.0

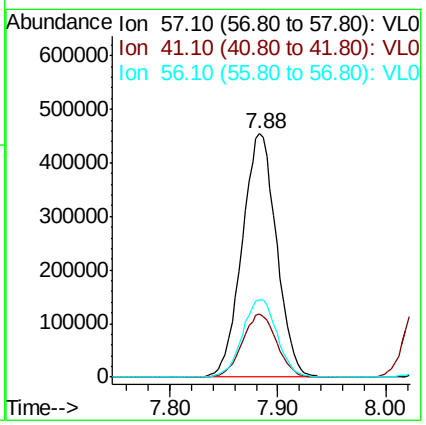


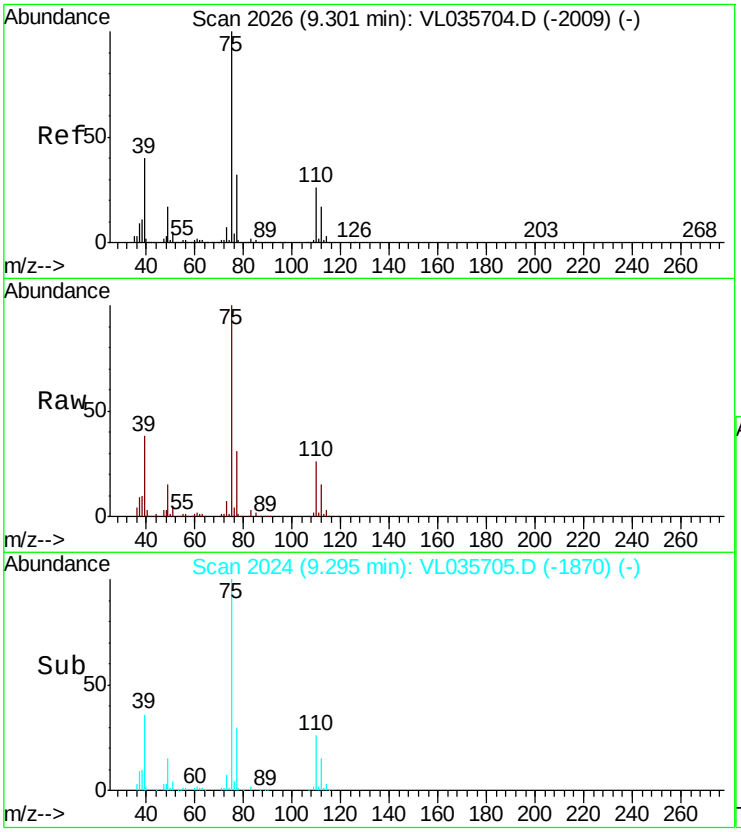


#44
2,2,4-Trimethylpentane
Concen: 2.366 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 57 Resp: 1005723

Ion	Ratio	Lower	Upper
57	100		
41	26.0	21.2	31.8
56	32.0	25.8	38.8



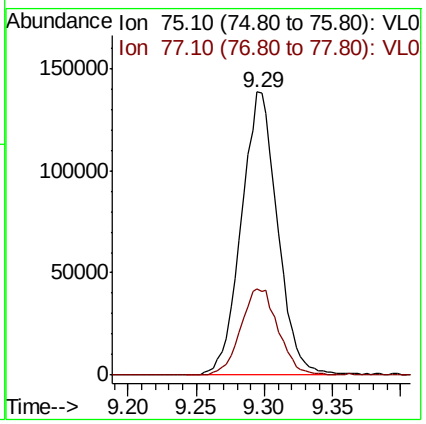


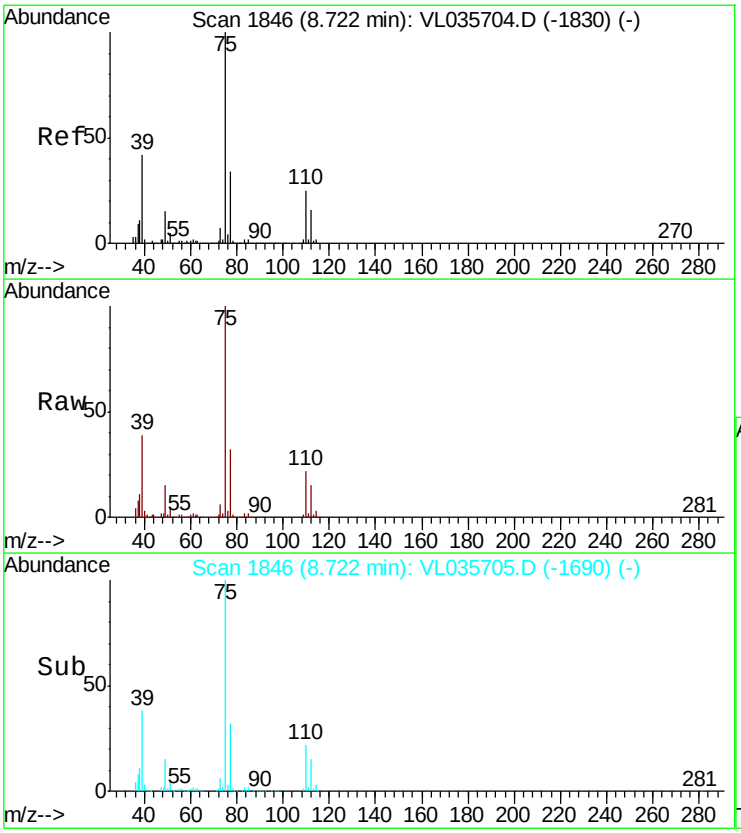
#45
t-1,3-Dichloropropene
Concen: 2.031 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 75 Resp: 254825

Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.9	38.9

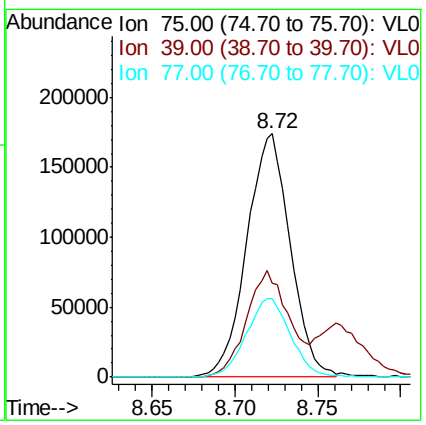


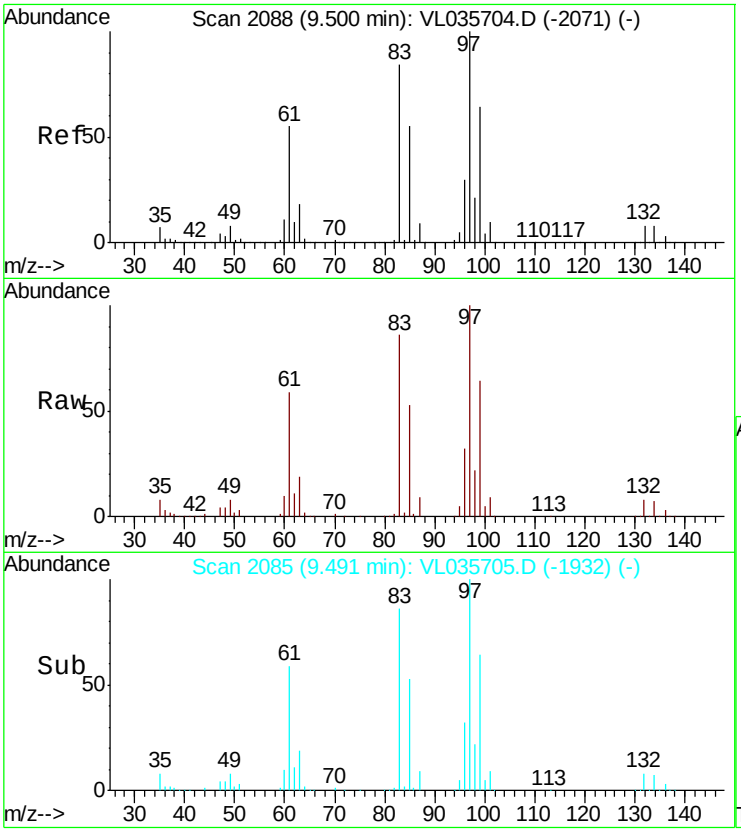


#46
cis-1,3-Dichloropropene
Concen: 2.033 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. 0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 75 Resp: 316968

Ion	Ratio	Lower	Upper
75	100		
39	38.4	33.9	50.9
77	32.2	27.4	41.0



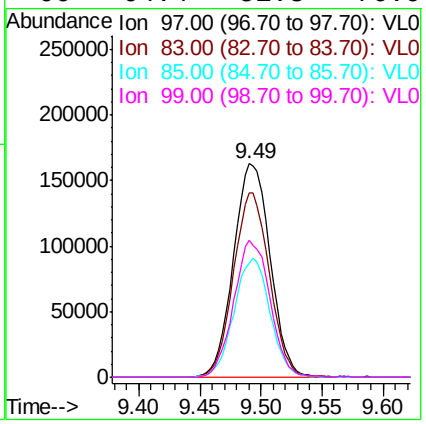


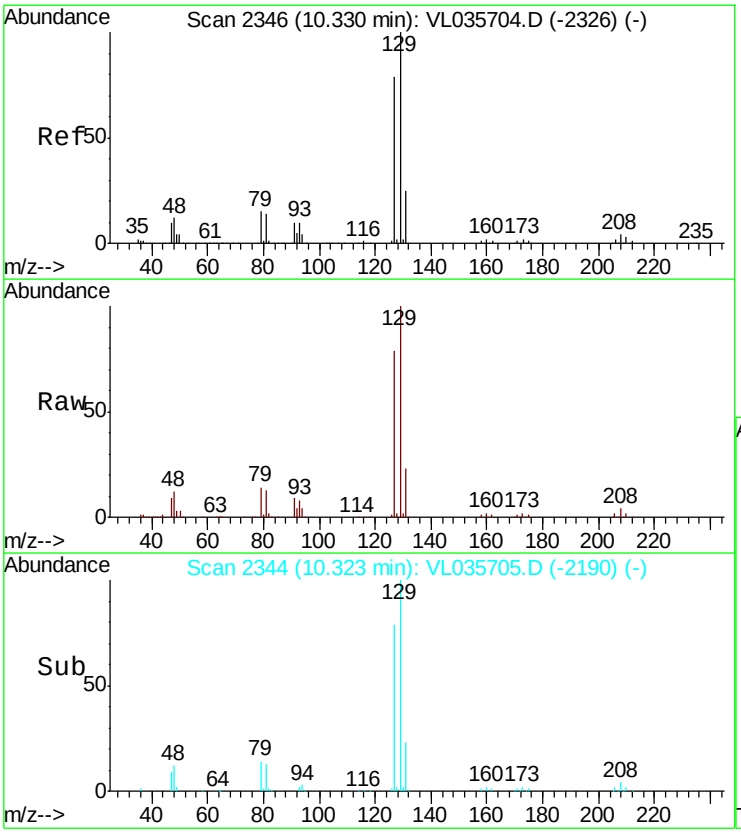
#47
1,1,2-Trichloroethane
Concen: 2.135 ppbv
RT: 9.49 min Scan# 2085
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 97 Resp: 339021

Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.1	100.7
85	53.5	43.9	65.9
99	64.4	51.3	76.9

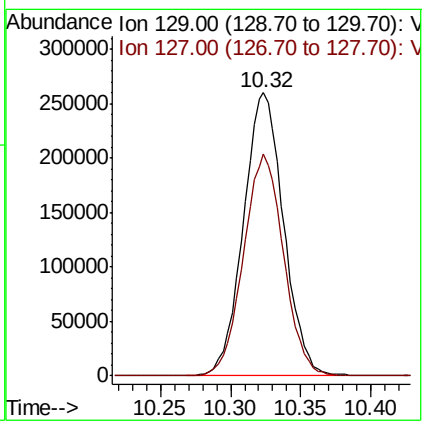


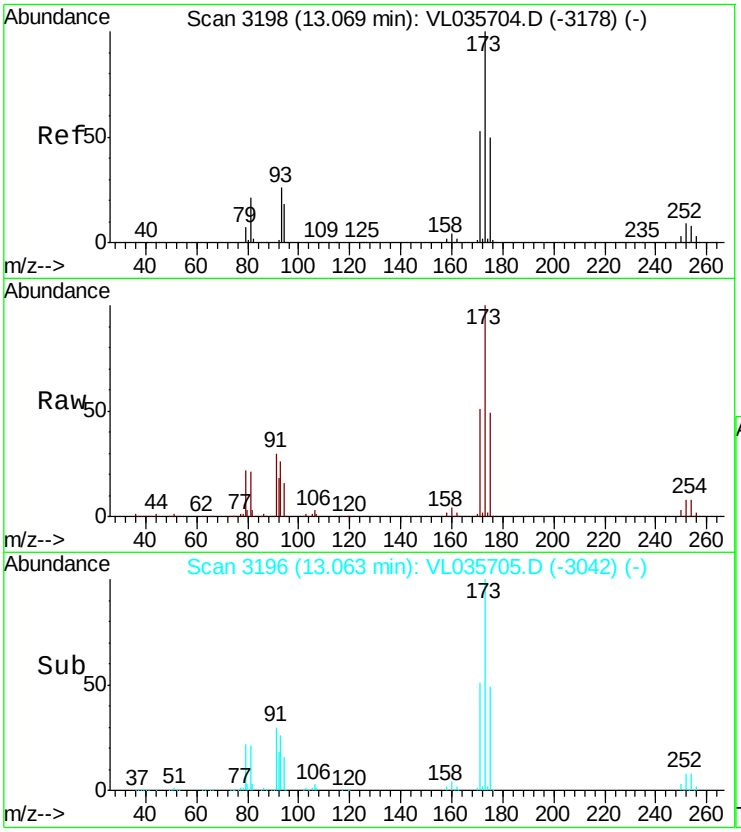


#48
Dibromochloromethane
Concen: 2.092 ppbv
RT: 10.32 min Scan# 2344
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion:129 Resp: 518420

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.4	118.1



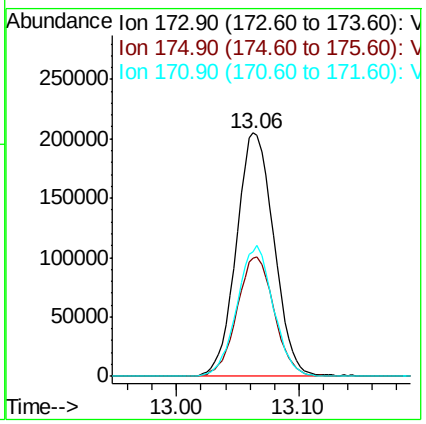


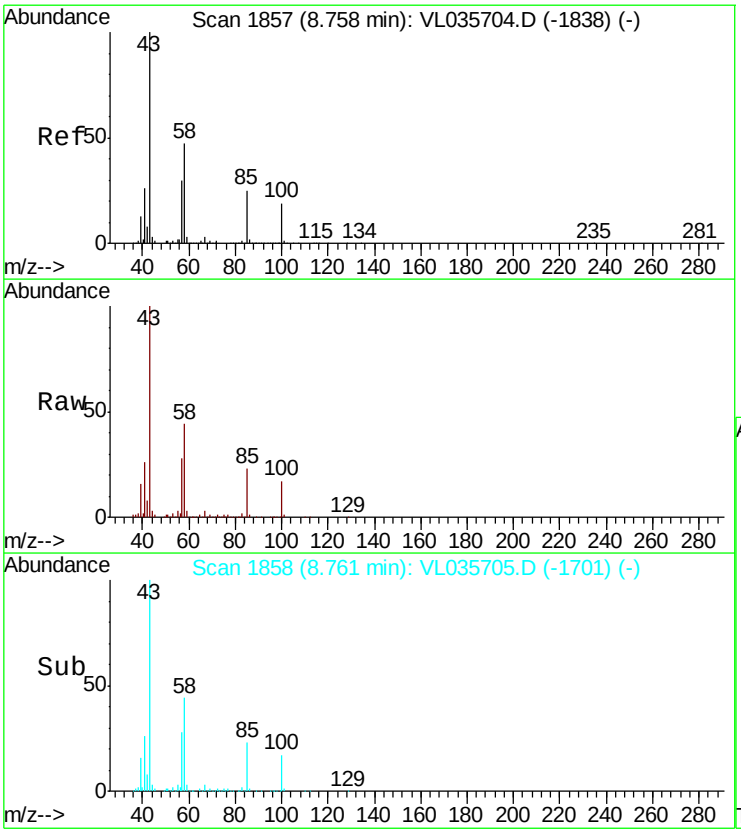
#49
Bromoform
Concen: 1.974 ppbv
RT: 13.06 min Scan# 3196
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:173 Resp: 435528

Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.8	59.6
171	51.9	42.8	64.2

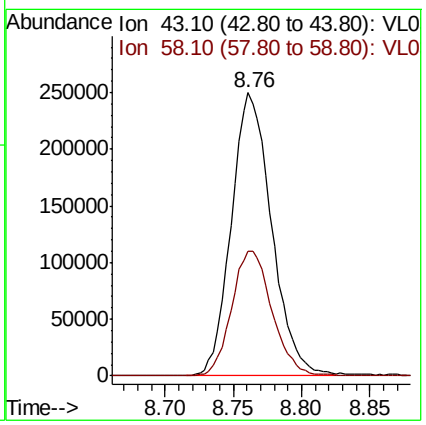


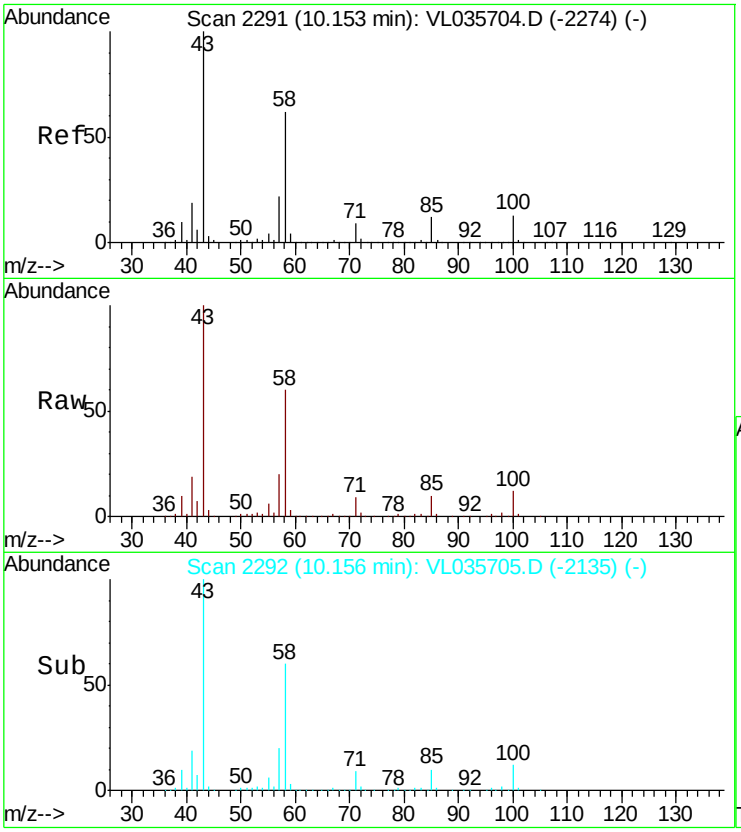


#50
4-Methyl-2-Pentanone
Concen: 2.377 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. 0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 43 Resp: 512258

Ion	Ratio	Lower	Upper
43	100		
58	44.4	36.6	54.8



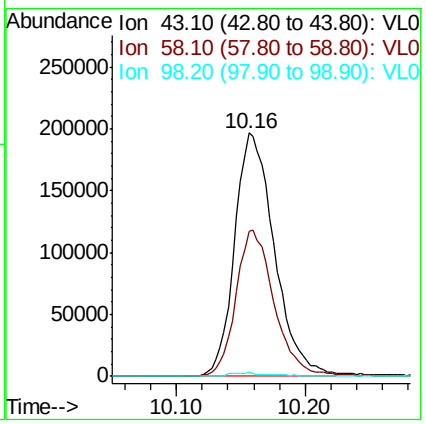


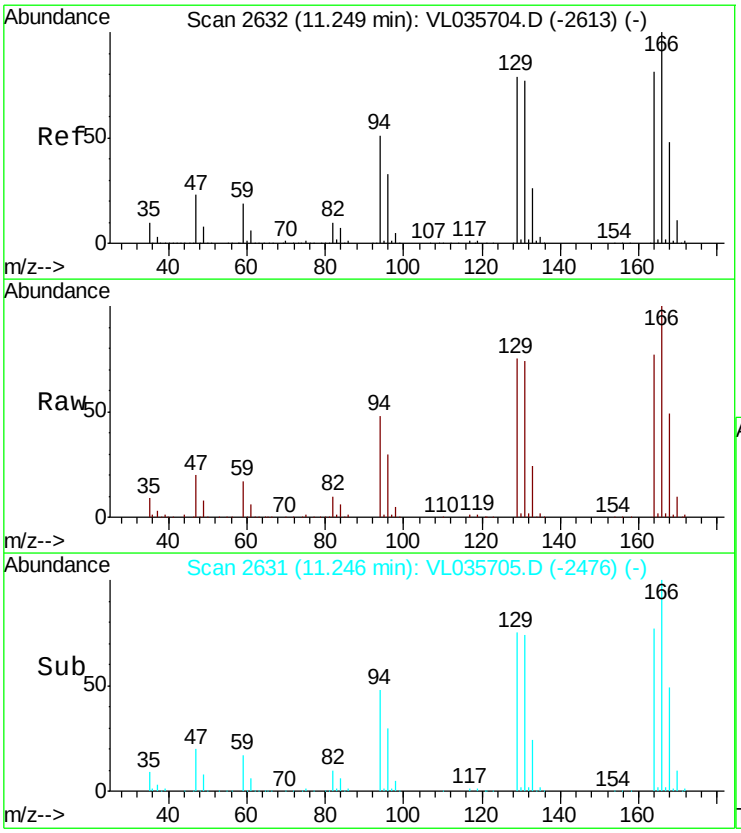
#51
2-Hexanone
Concen: 2.393 ppbv
RT: 10.16 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 43 Resp: 421692

Ion	Ratio	Lower	Upper
43	100		
58	58.0	48.7	73.1
98	1.7	0.7	1.1#

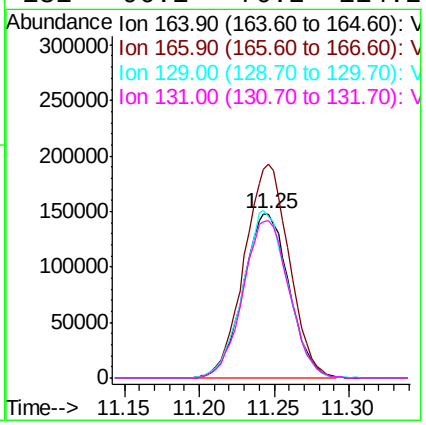


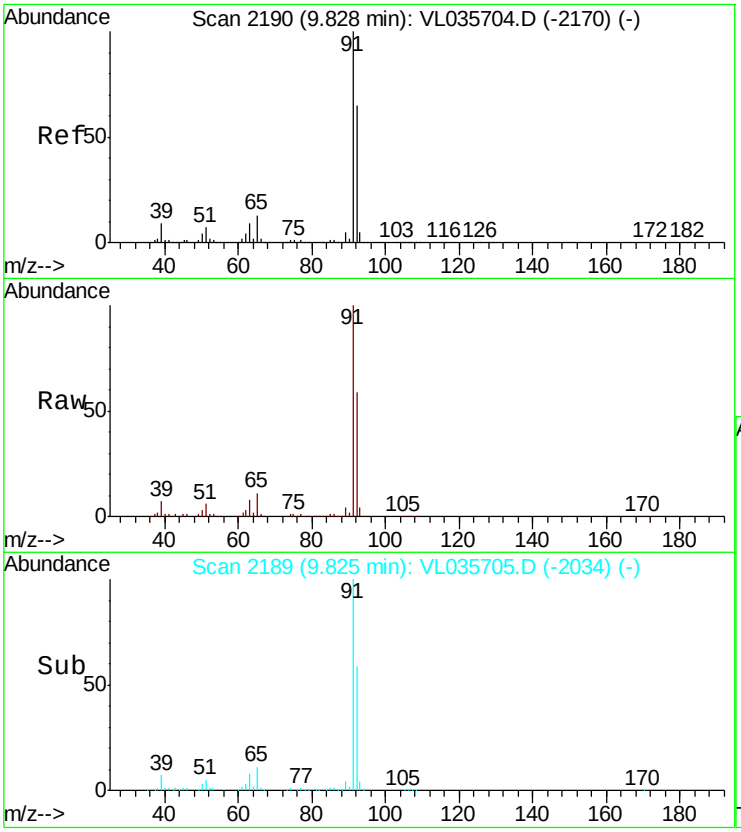


#52
Tetrachloroethene
Concen: 1.740 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion:164 Resp: 315873

Ion	Ratio	Lower	Upper
164	100		
166	129.9	98.7	148.1
129	97.8	78.4	117.6
131	96.1	76.2	114.2



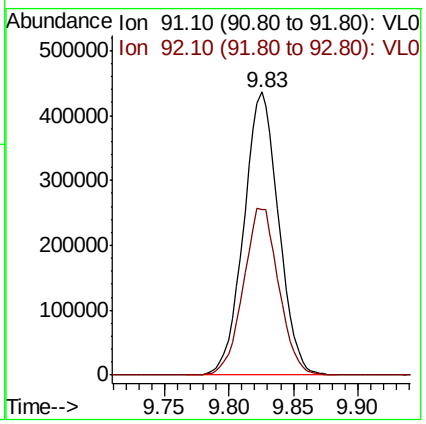


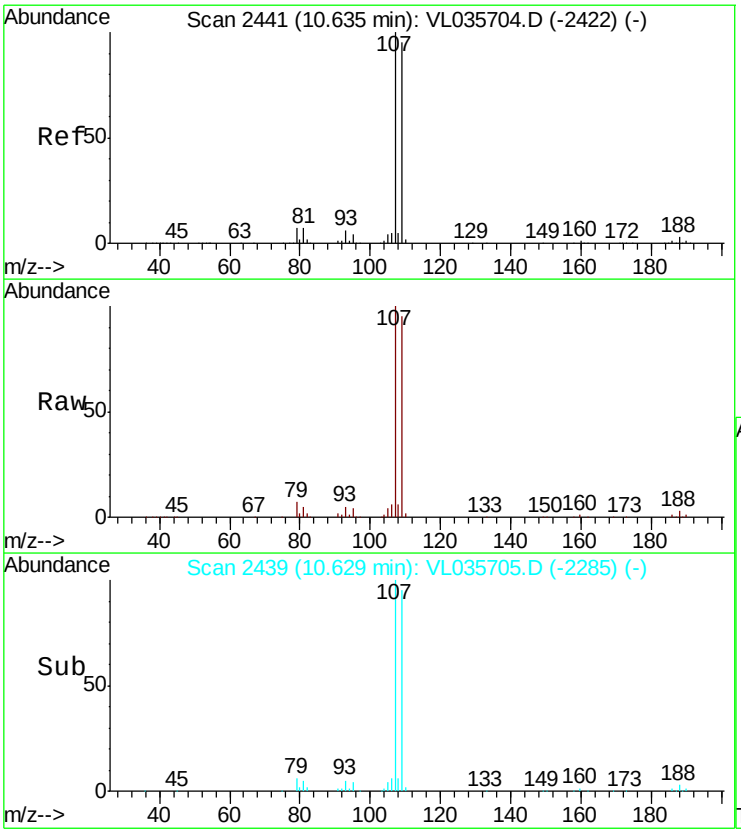
#53
Toluene
Concen: 2.059 ppbv
RT: 9.83 min Scan# 2189
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 822863

Ion	Ratio	Lower	Upper
91	100		
92	59.7	50.0	75.0

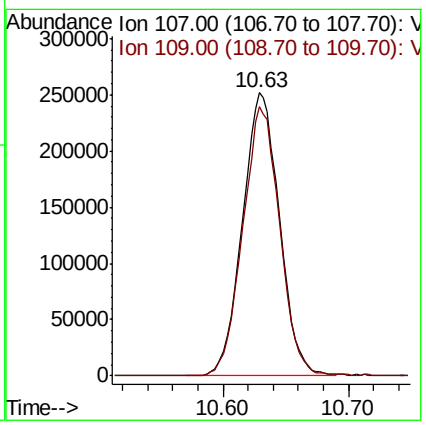


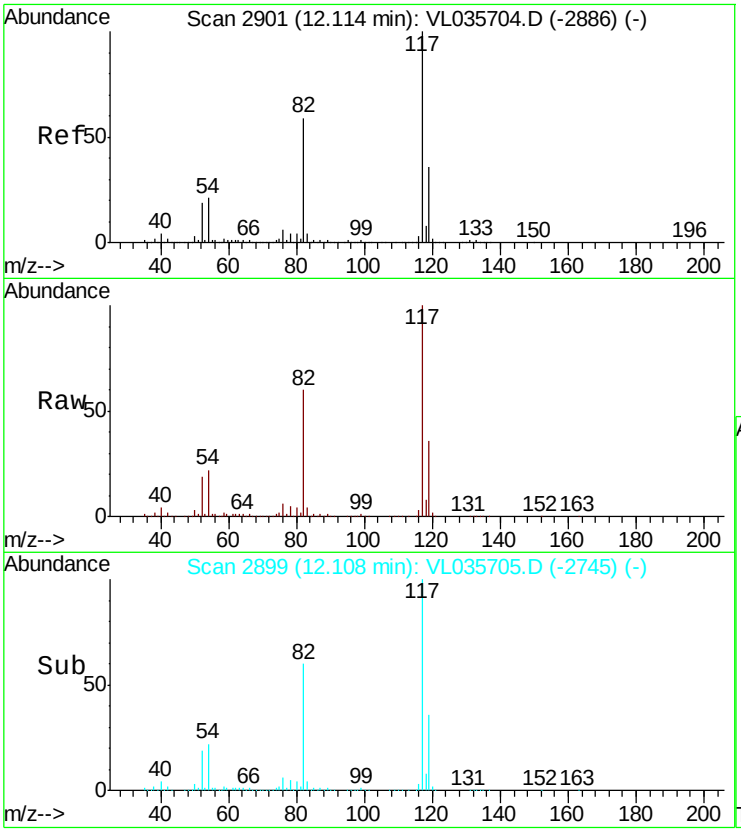


#54
1,2-Dibromoethane
Concen: 2.063 ppbv
RT: 10.63 min Scan# 2439
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion:107 Resp: 515469

Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.0	114.0



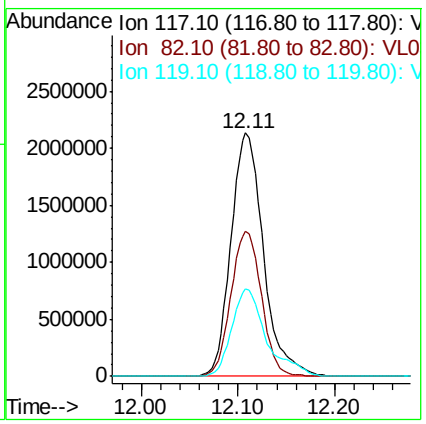


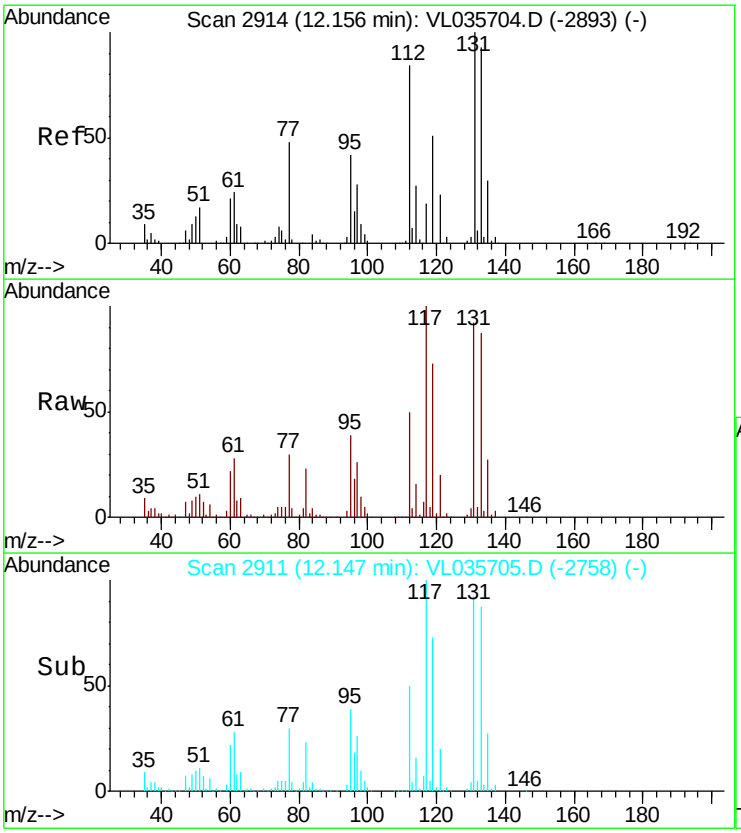
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:117 Resp: 4984225

Ion	Ratio	Lower	Upper
117	100		
82	56.2	46.1	69.1
119	38.4	28.0	42.0

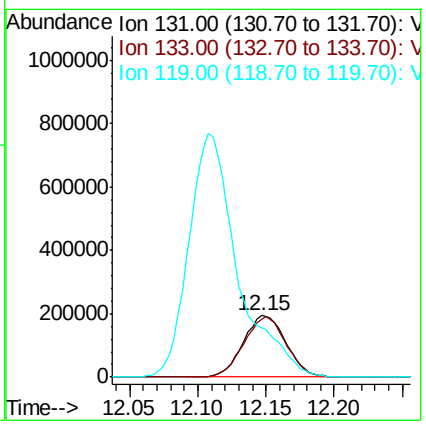


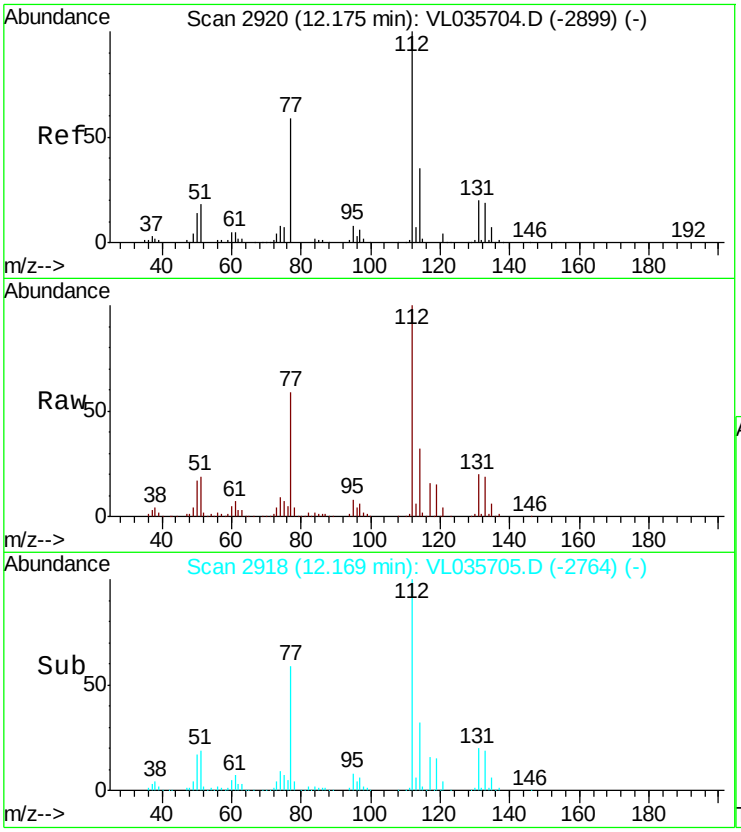


#56
1,1,1,2-Tetrachloroethane
Concen: 2.083 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion:131 Resp: 426439

Ion	Ratio	Lower	Upper
131	100		
133	96.4	76.2	114.4
119	449.5	52.4	78.6#



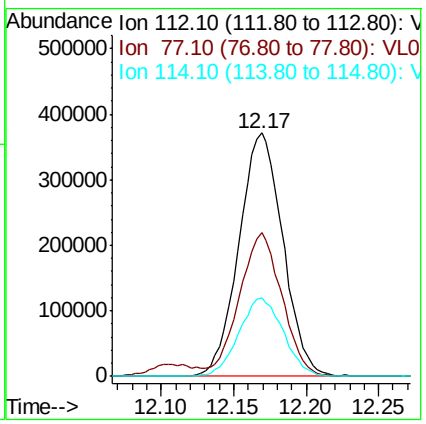


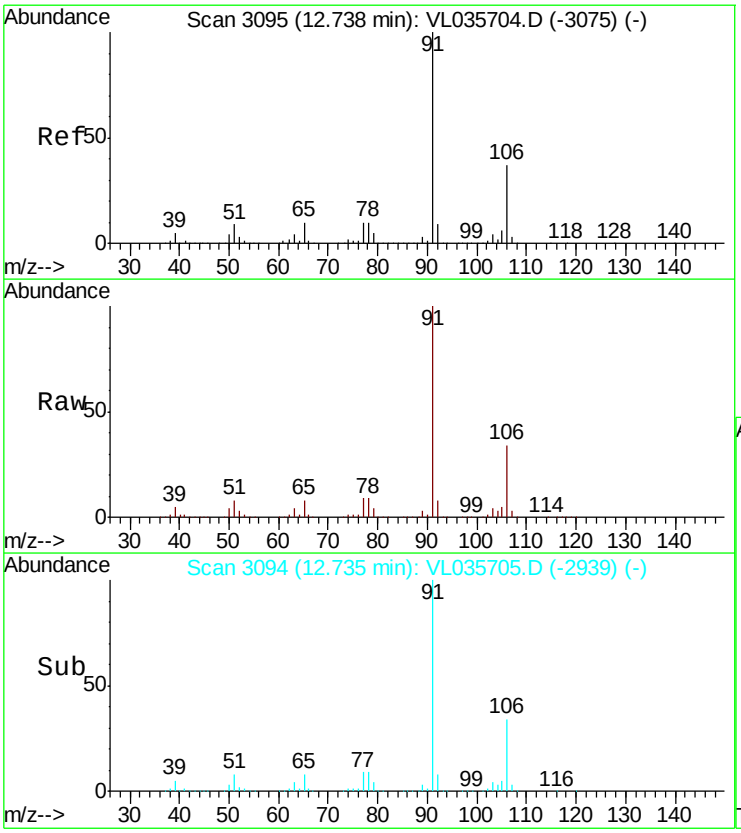
#57
Chlorobenzene
Concen: 2.102 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:112 Resp: 781528

Ion	Ratio	Lower	Upper
112	100		
77	58.6	48.2	72.2
114	32.3	31.9	39.1

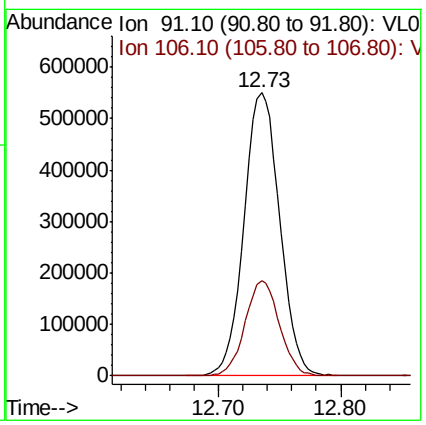


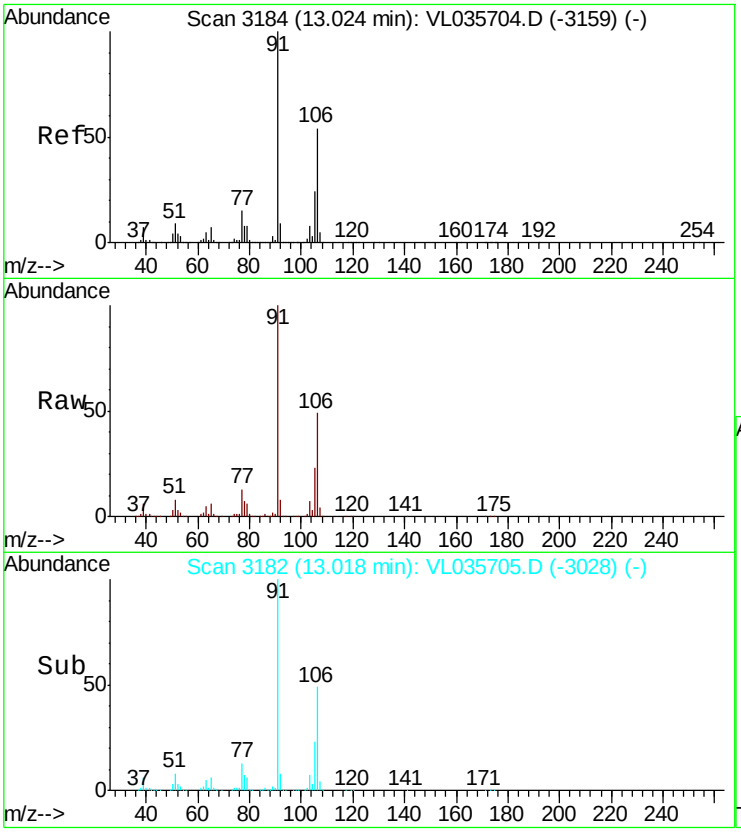


#58
Ethyl Benzene
Concen: 2.120 ppbv
RT: 12.73 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 91 Resp: 1109455

Ion	Ratio	Lower	Upper
91	100		
106	33.7	29.7	44.5



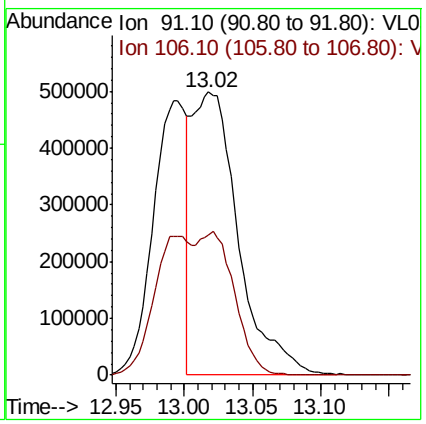


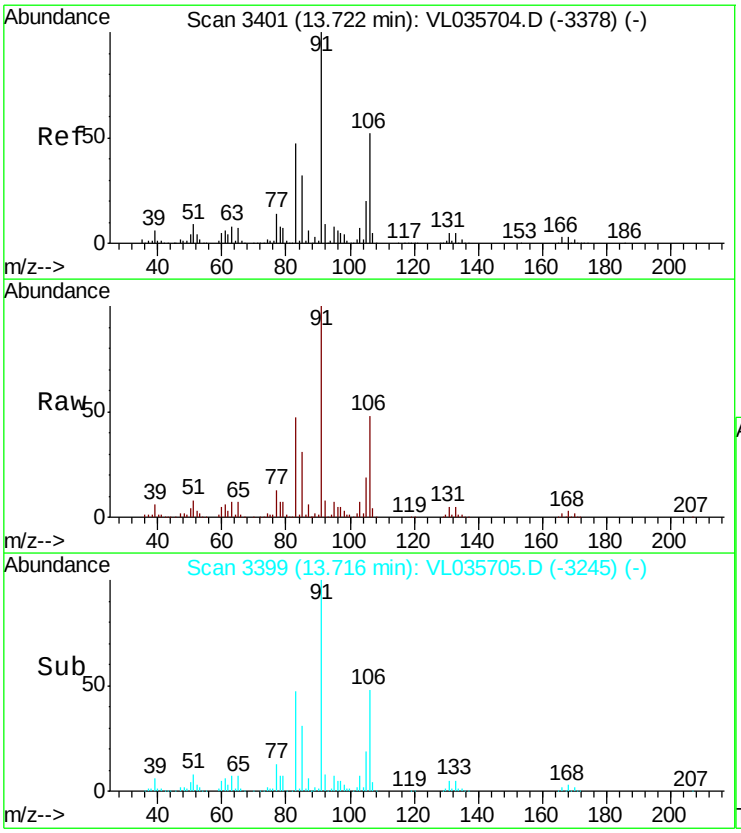
#59
m/p-Xylene
Concen: 2.643 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion: 91 Resp: 1163712

Ion	Ratio	Lower	Upper
91	100		
106	82.0	41.4	62.0#

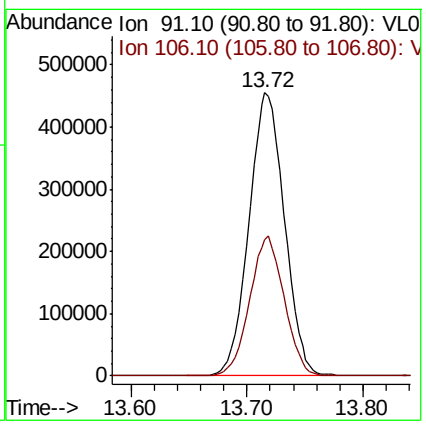


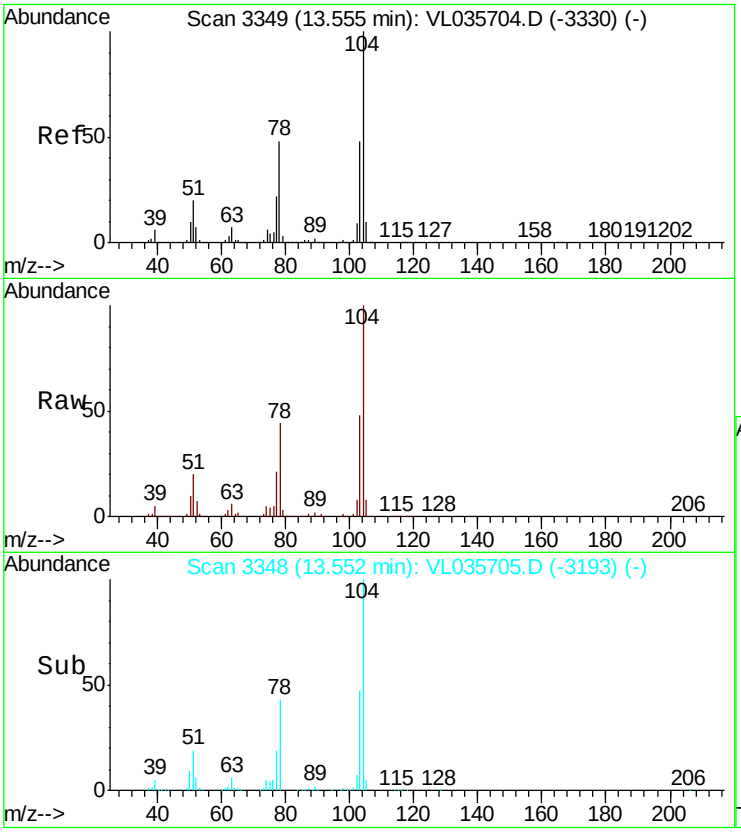


#60
o-Xylene
Concen: 2.185 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 91 Resp: 967457

Ion	Ratio	Lower	Upper
91	100		
106	48.3	25.0	75.0



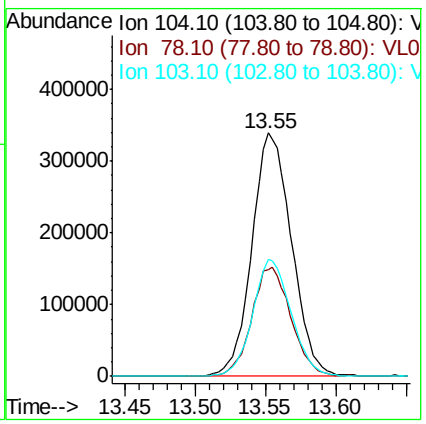


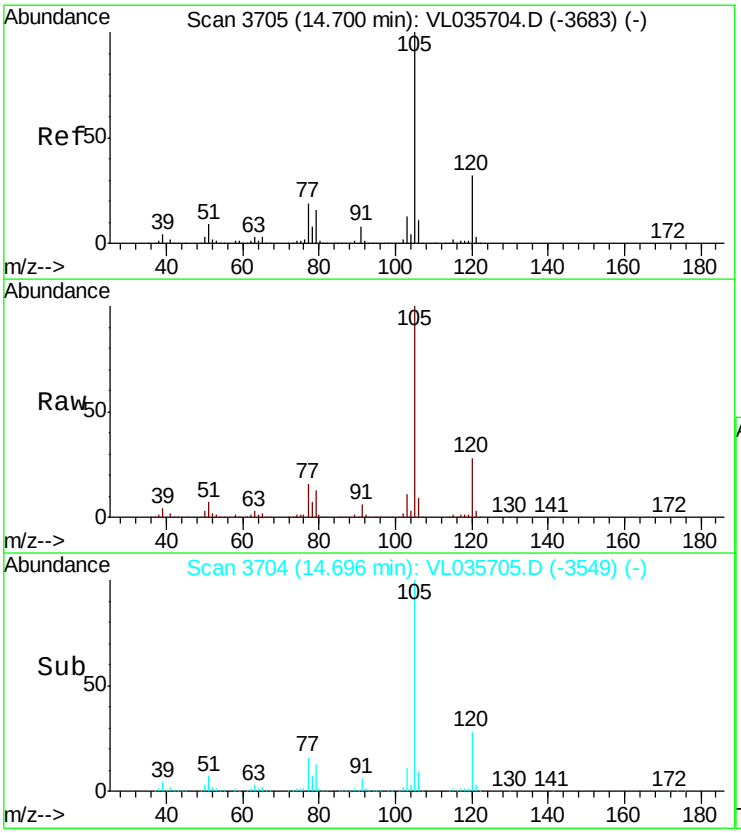
#61
Stvrene
Concen: 1.990 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:104 Resp: 665245

Ion	Ratio	Lower	Upper
104	100		
78	44.8	37.2	55.8
103	46.9	38.2	57.2

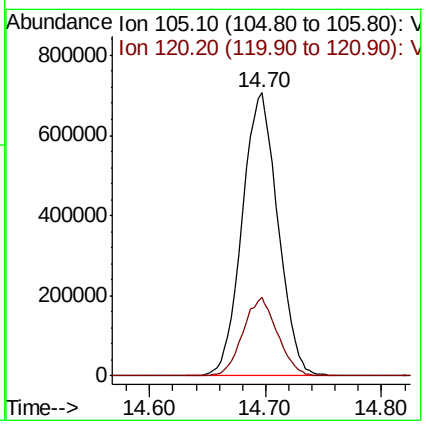


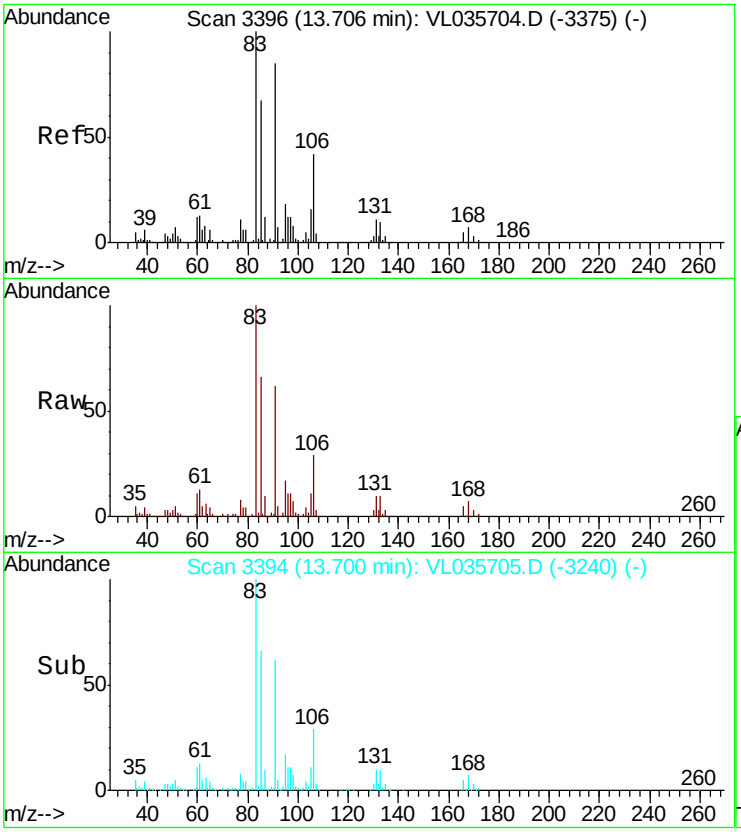


#62
Isopropylbenzene
Concen: 2.149 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion:105 Resp: 1515103

Ion	Ratio	Lower	Upper
105	100		
120	26.9	24.1	36.1



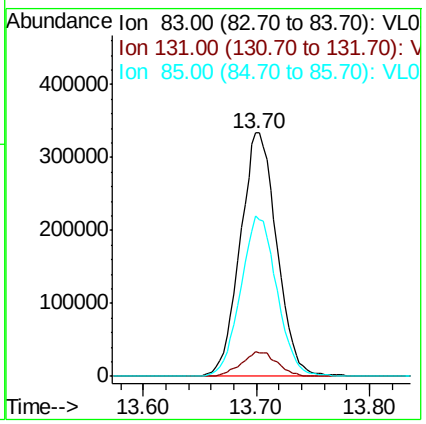


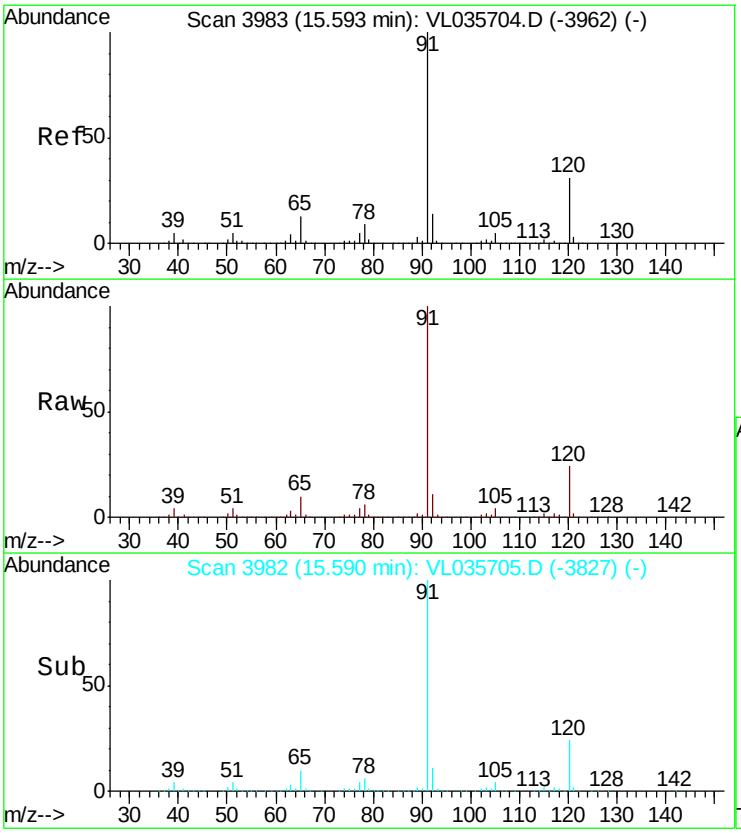
#63
1,1,2,2-Tetrachloroethane
Concen: 2.190 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 83 Resp: 750319

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.3	16.1
85	65.4	33.4	100.2

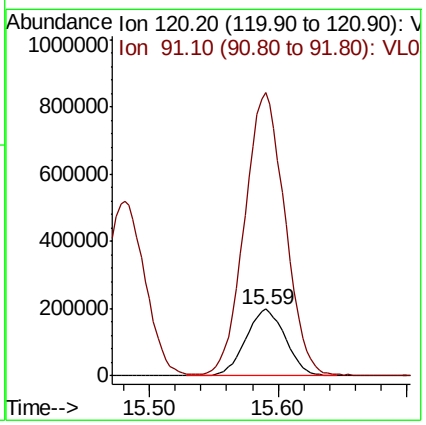


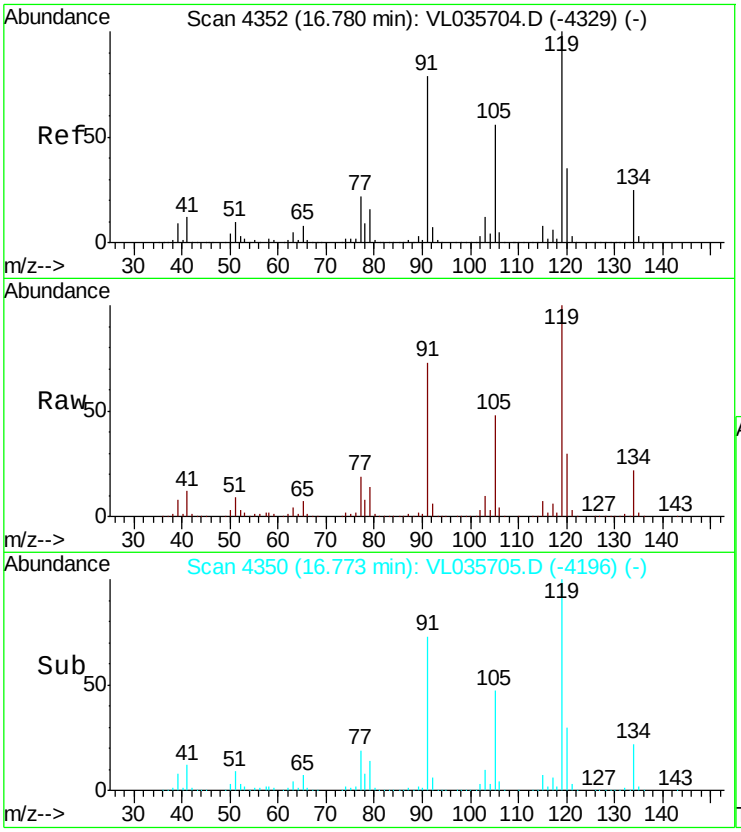


#64
n-propylbenzene
Concen: 2.002 ppbv
RT: 15.59 min Scan# 3982
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion:120 Resp: 427375

Ion	Ratio	Lower	Upper
120	100		
91	433.1	300.4	450.6



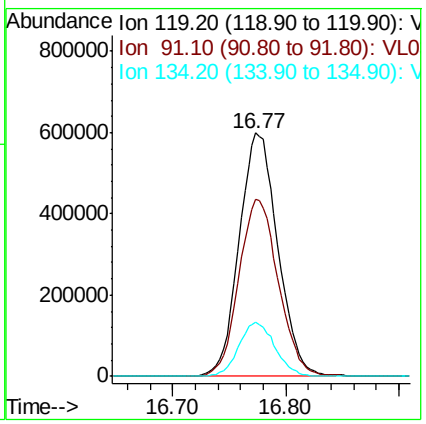


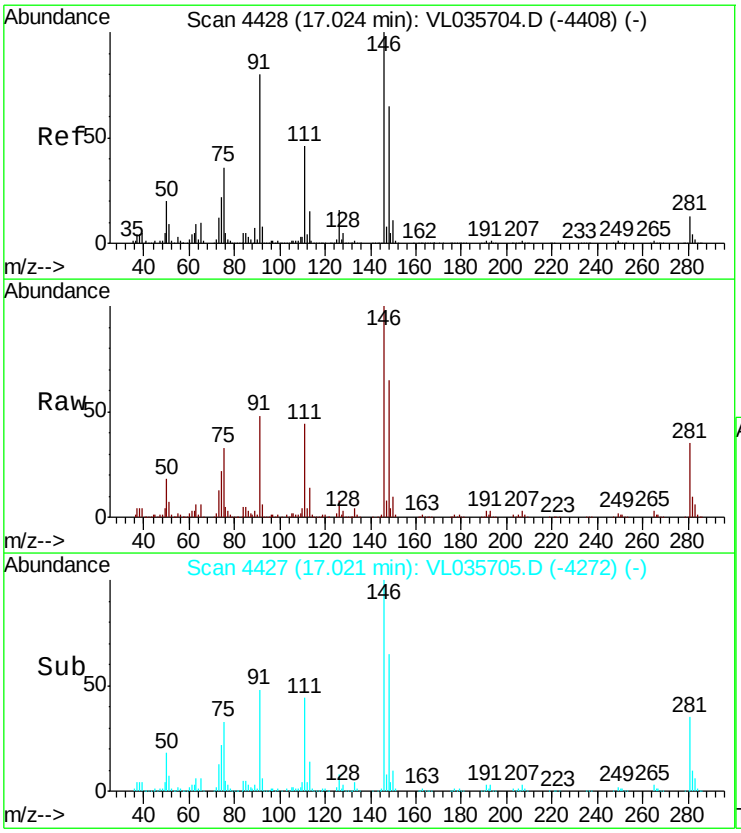
#65
tert-Butylbenzene
Concen: 2.175 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:119 Resp: 1419541

Ion	Ratio	Lower	Upper
119	100		
91	74.6	62.4	93.6
134	21.0	18.2	27.2

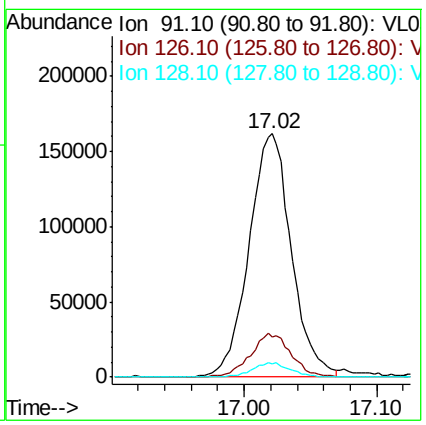


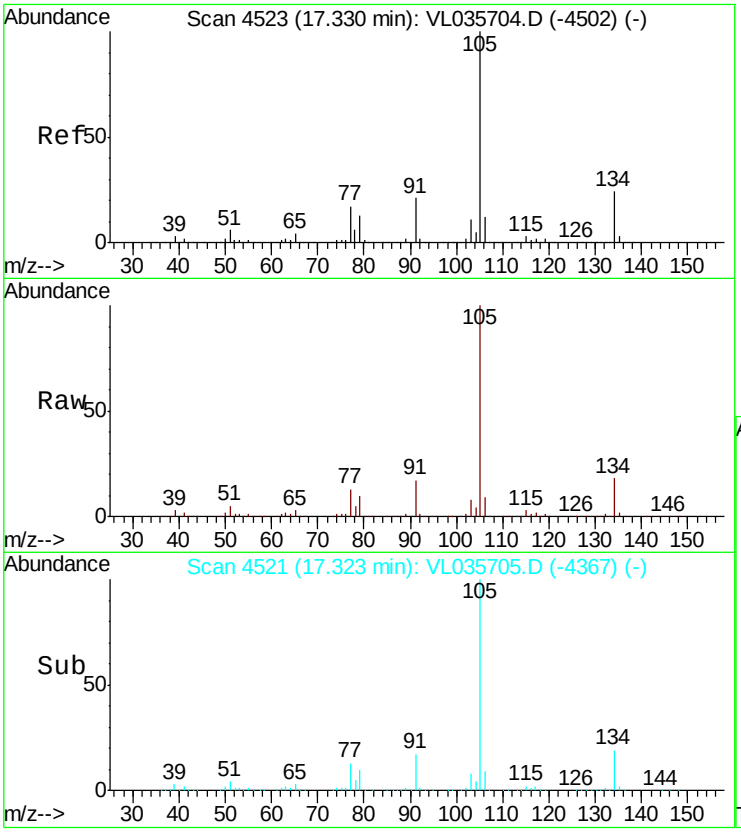


#66
Benzyl Chloride
Concen: 2.131 ppbv
RT: 17.02 min Scan# 4427
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 91 Resp: 356974

Ion	Ratio	Lower	Upper
91	100		
126	17.7	15.3	22.9
128	5.5	5.0	7.4



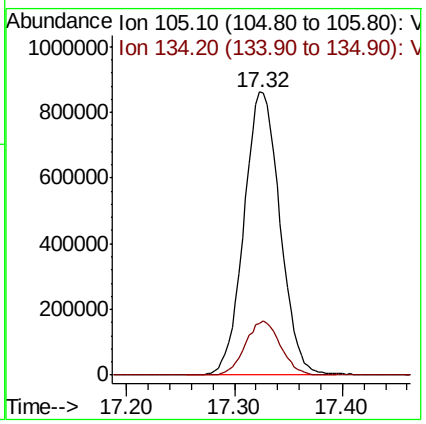


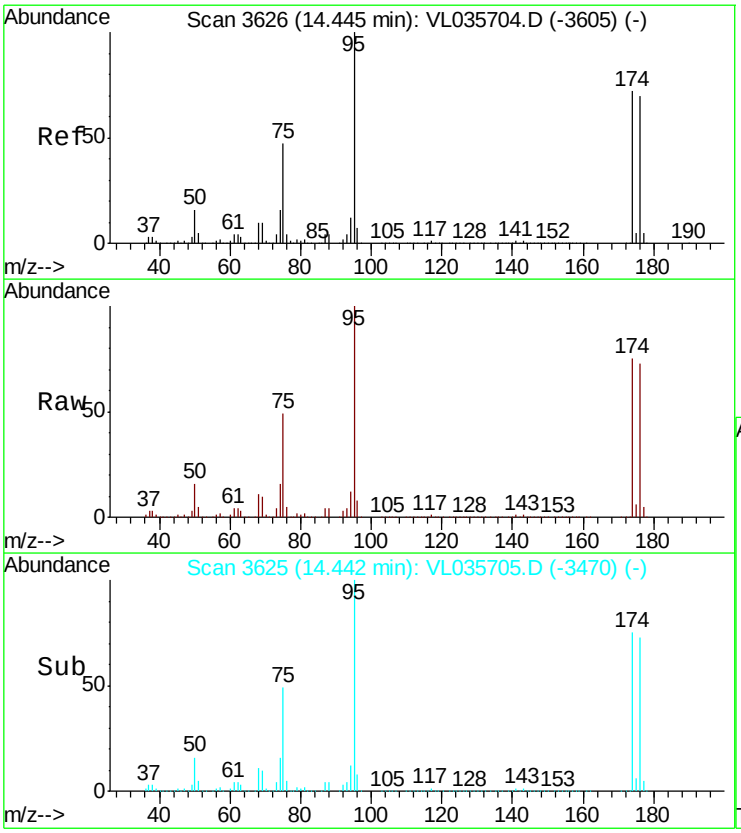
#67
sec-Butylbenzene
Concen: 2.284 ppbv
RT: 17.32 min Scan# 4521
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 1997002

Ion	Ratio	Lower	Upper
105	100		
134	18.8	17.6	26.4

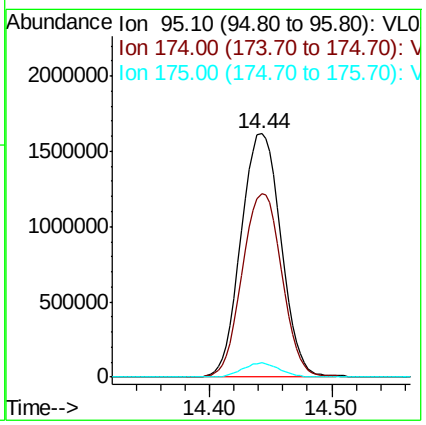


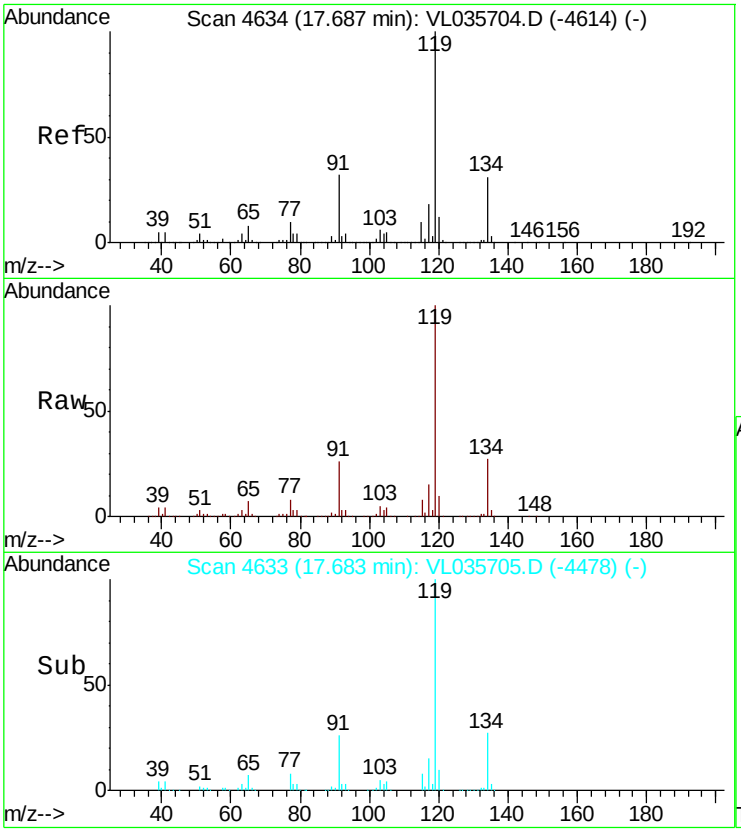


#68
1-Bromo-4-Fluorobenzene
Concen: 10.230 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 95 Resp: 3663699

Ion	Ratio	Lower	Upper
95	100		
174	75.5	59.6	89.4
175	5.4	4.2	6.4



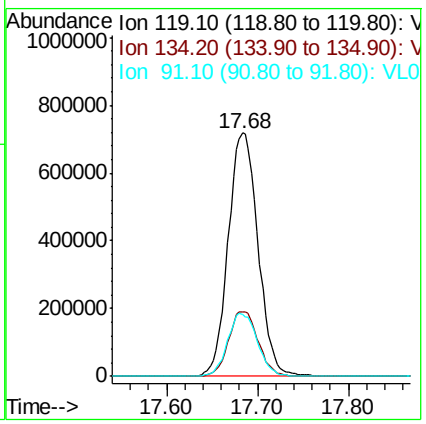


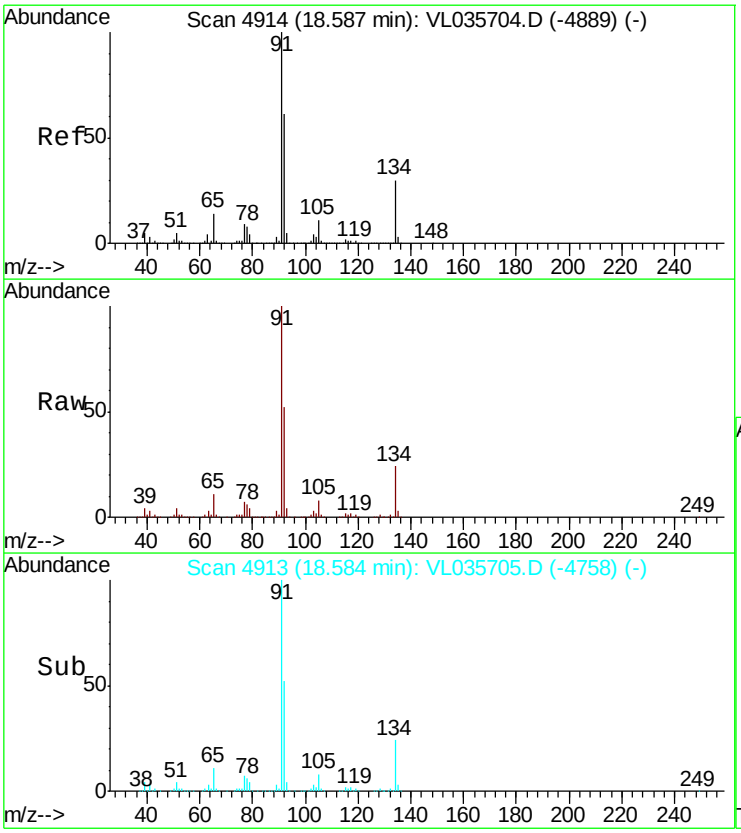
#69
p-Isopropyltoluene
Concen: 2.146 ppbv
RT: 17.68 min Scan# 4633
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 1631031

Ion	Ratio	Lower	Upper
119	100		
134	26.6	23.9	35.9
91	26.1	23.8	35.6

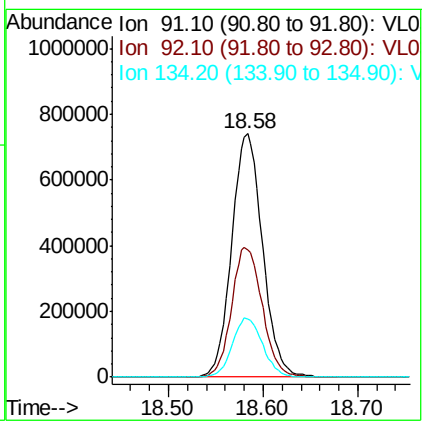


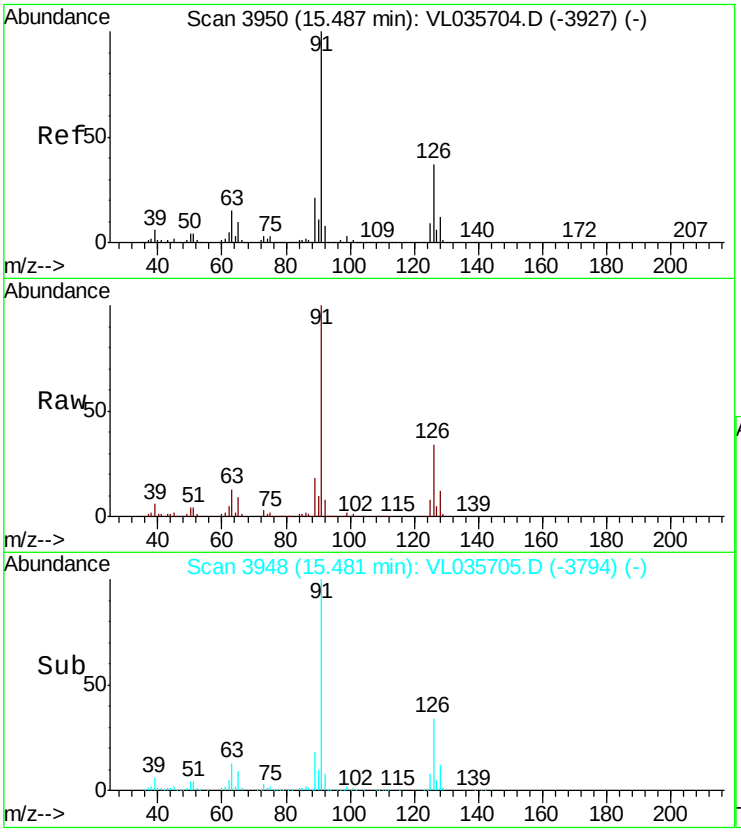


#70
n-Butylbenzene
Concen: 2.263 ppbv
RT: 18.58 min Scan# 4913
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion: 91 Resp: 1673120

Ion	Ratio	Lower	Upper
91	100		
92	53.3	47.0	70.4
134	24.0	21.9	32.9



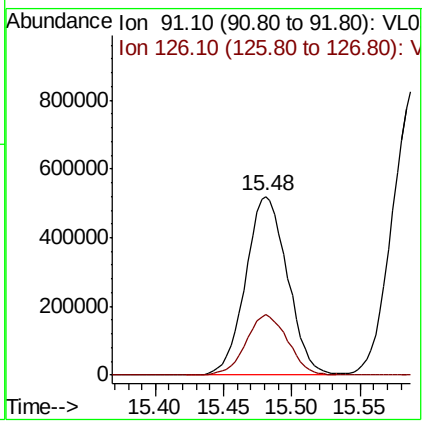


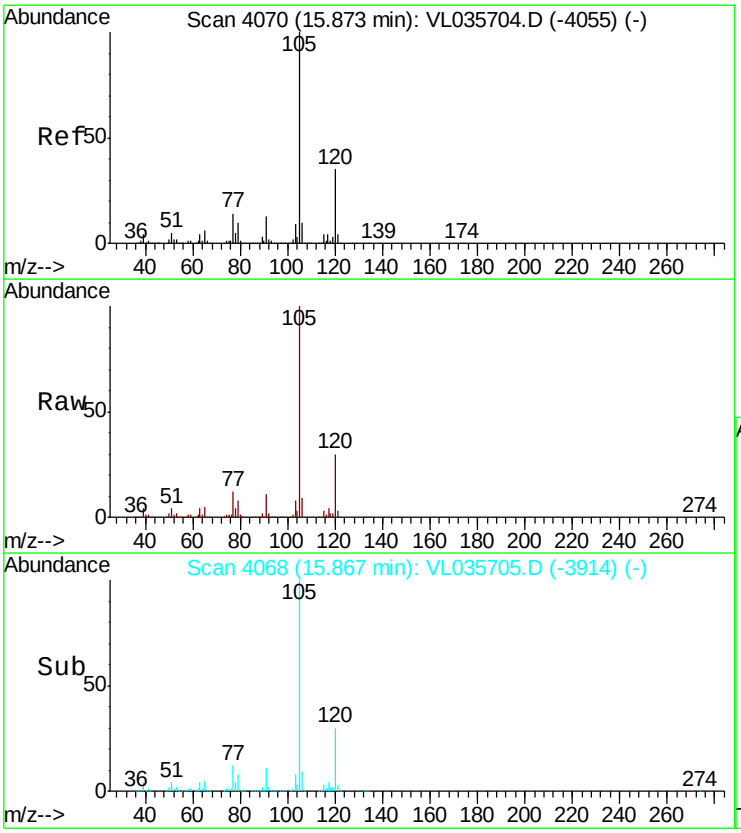
#71
2-Chlorotoluene
Concen: 2.143 ppbv
RT: 15.48 min Scan# 3948
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 1105124

Ion	Ratio	Lower	Upper
91	100		
126	33.9	14.4	57.4

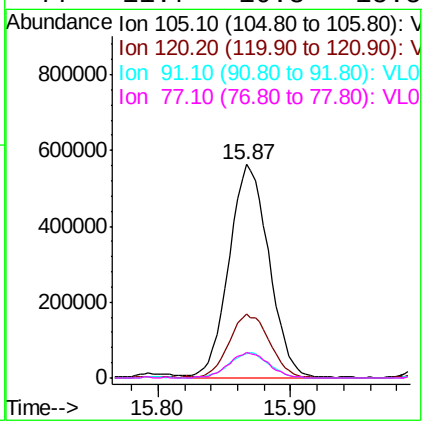


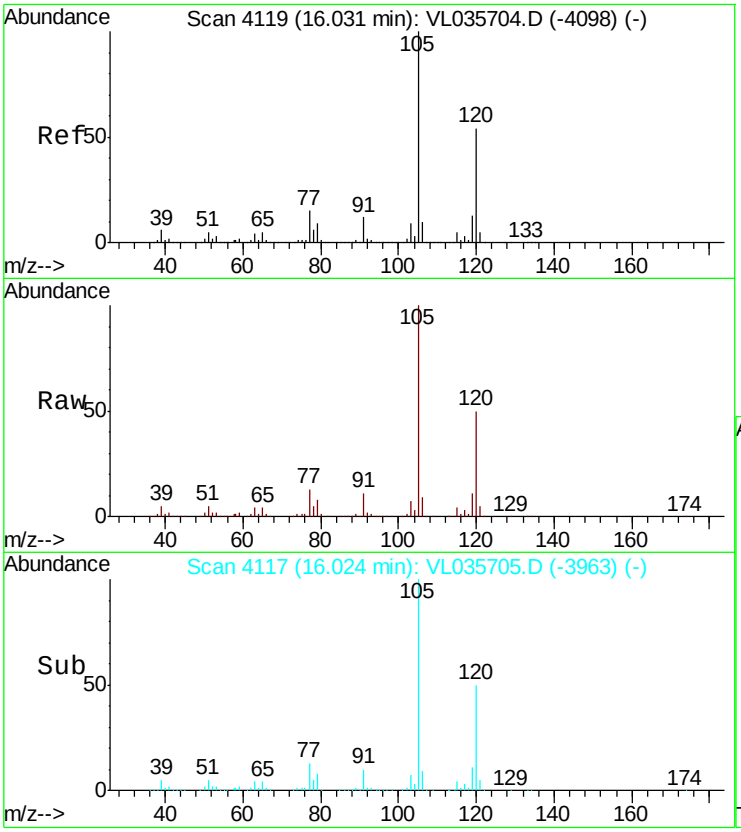


#72
4-Ethyltoluene
Concen: 2.100 ppbv
RT: 15.87 min Scan# 4068
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion:105 Resp: 1169616

Ion	Ratio	Lower	Upper
105	100		
120	30.8	26.5	39.7
91	11.9	10.2	15.2
77	11.7	10.3	15.5



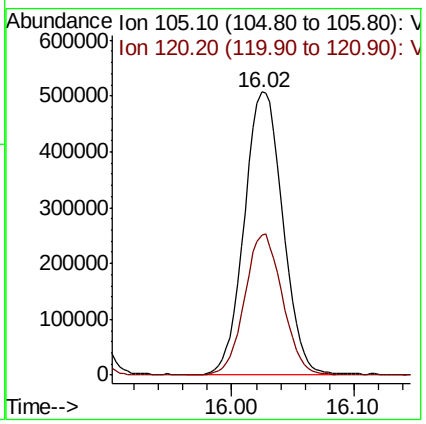


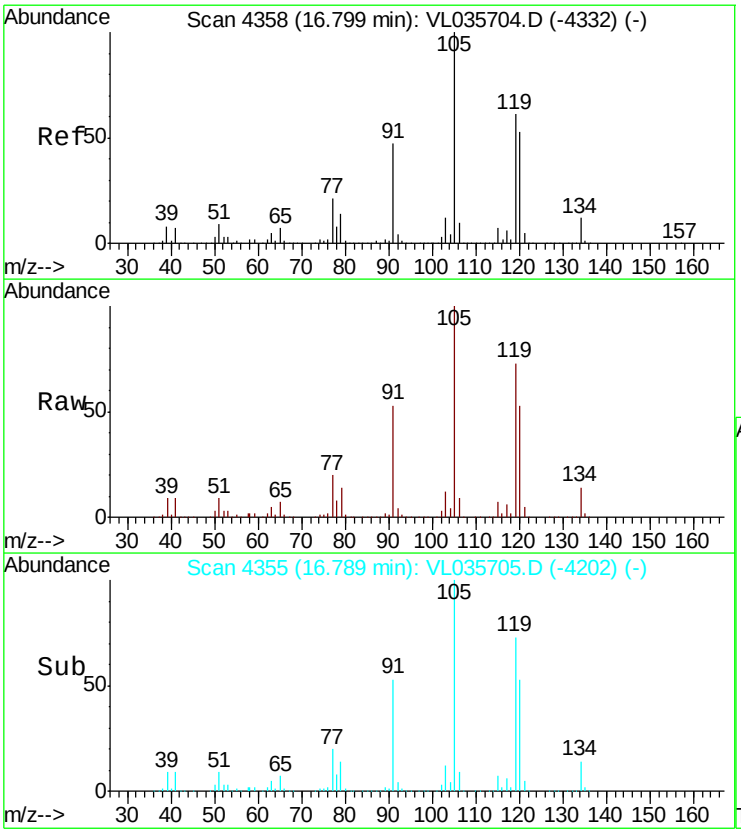
#73
1,3,5-Trimethylbenzene
Concen: 2.135 ppbv
RT: 16.02 min Scan# 4117
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:105 Resp: 1101015

Ion	Ratio	Lower	Upper
105	100		
120	49.6	43.0	64.4

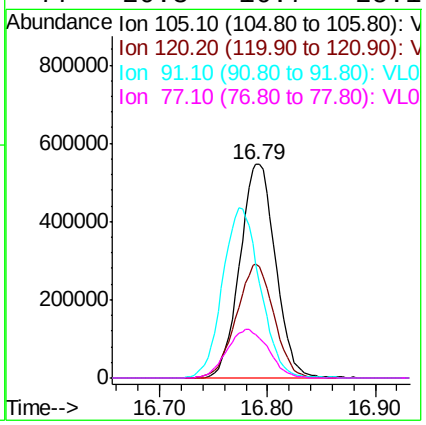


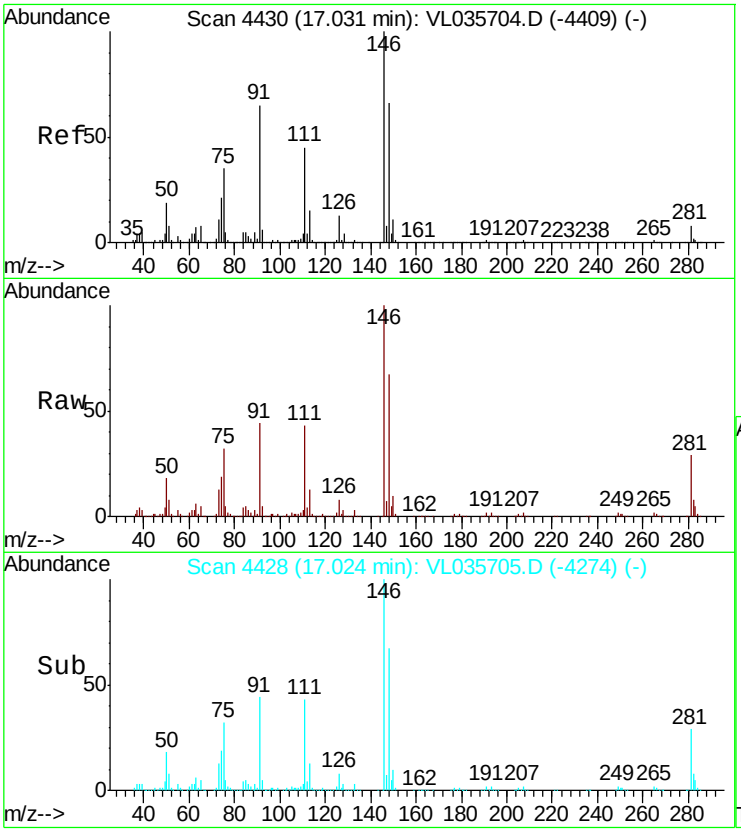


#74
1,2,4-Trimethylbenzene
Concen: 2.212 ppbv
RT: 16.79 min Scan# 4355
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion:105 Resp: 1253956

Ion	Ratio	Lower	Upper
105	100		
120	53.2	42.5	63.7
91	52.7	37.7	56.5
77	20.3	16.7	25.1



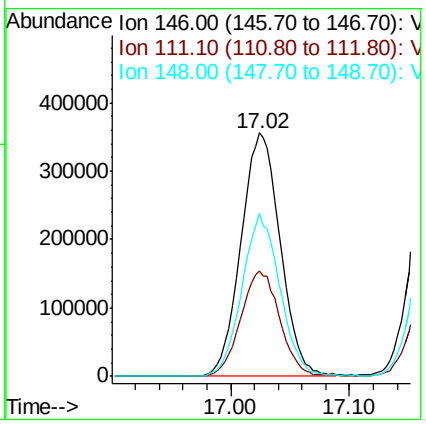


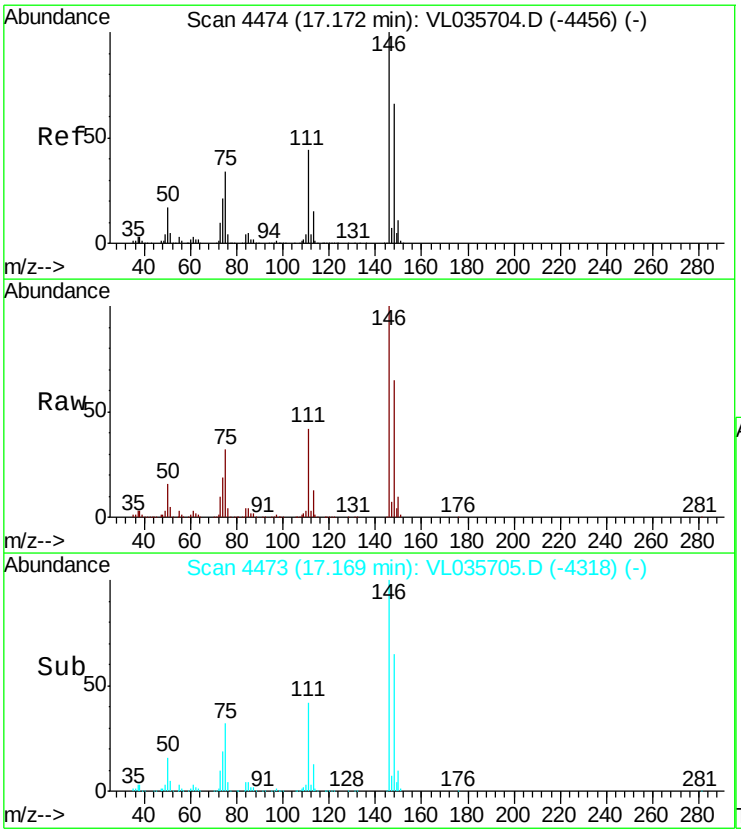
#75
1,3-Dichlorobenzene
Concen: 1.971 ppbv
RT: 17.02 min Scan# 4428
Delta R.T. -0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:146 Resp: 811348

Ion	Ratio	Lower	Upper
146	100		
111	43.4	22.4	67.0
148	64.9	33.0	99.0

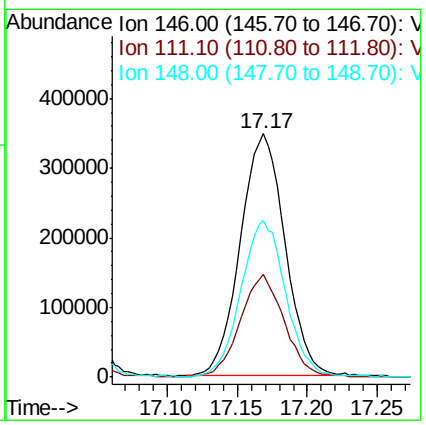


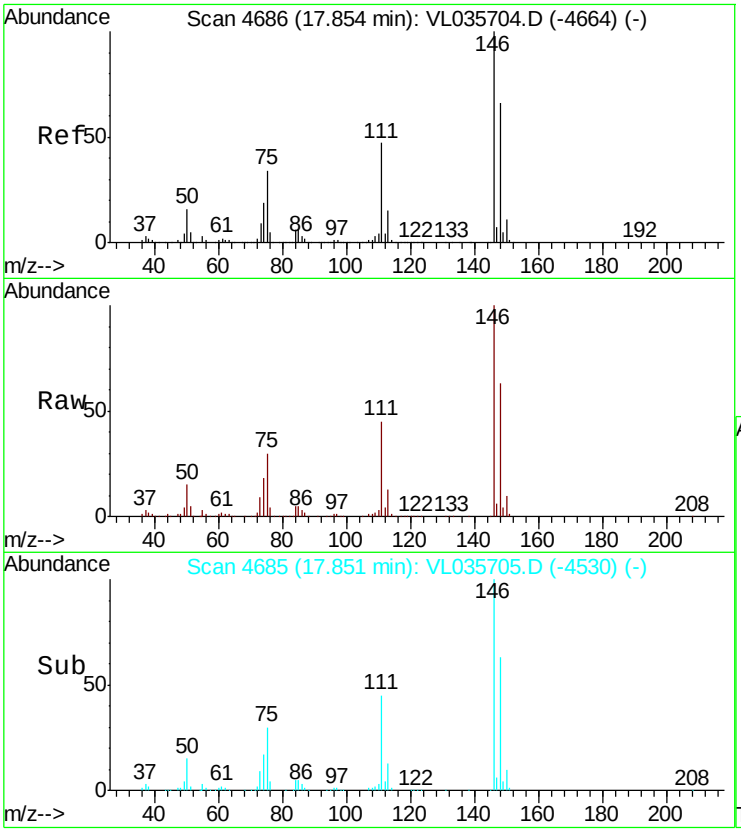


#76
1,4-Dichlorobenzene
Concen: 1.900 ppbv
RT: 17.17 min Scan# 4473
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion:146 Resp: 771358

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.4	64.3
148	65.5	32.6	98.0



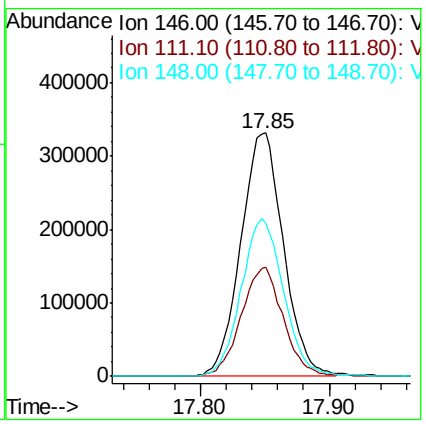


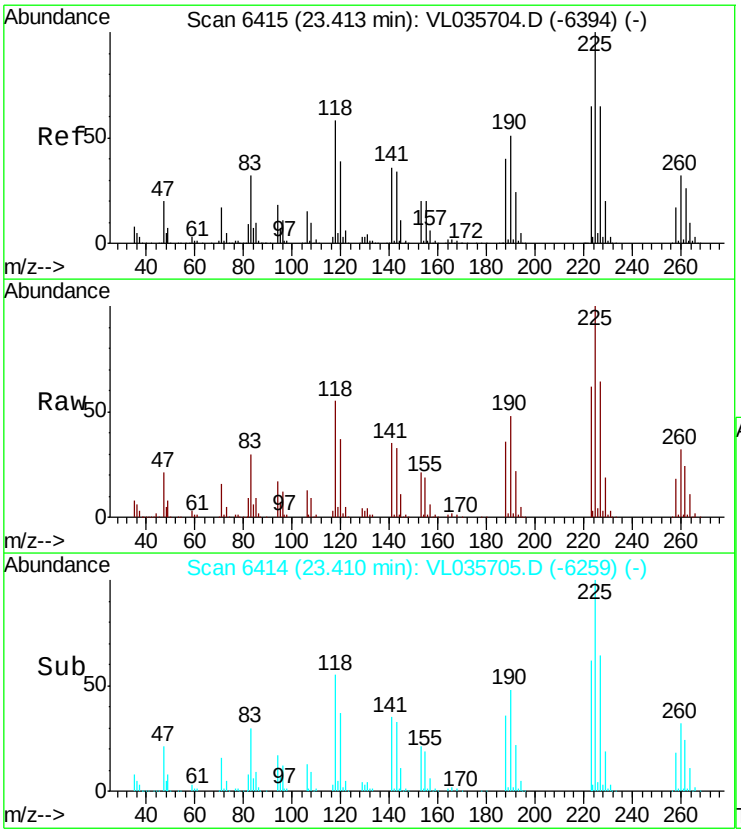
#77
1,2-Dichlorobenzene
Concen: 1.916 ppbv
RT: 17.85 min Scan# 4685
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument : MSVOA_L
ClientSampleId : VSTDICC002

Tgt Ion:146 Resp: 763696

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.9	68.5
148	64.6	32.6	98.0

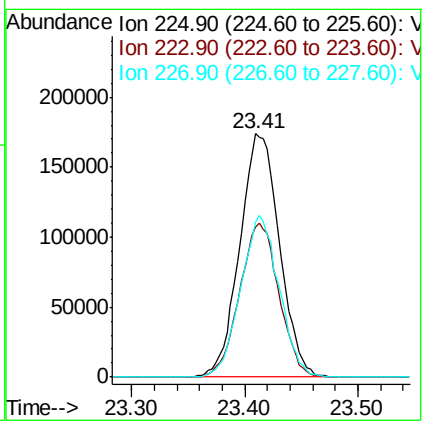


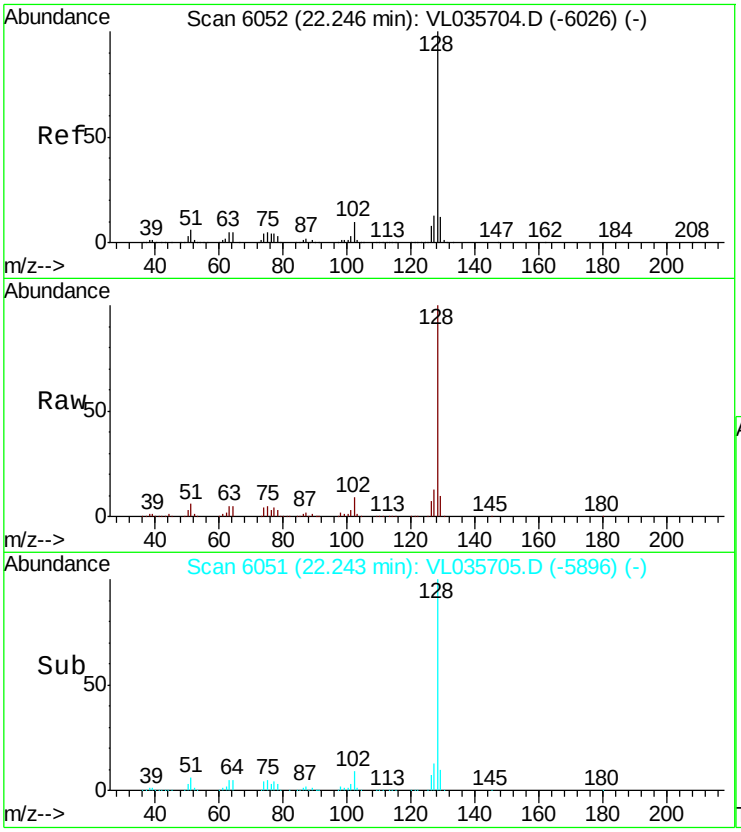


#78
Hexachloro-1,3-Butadiene
Concen: 1.702 ppbv
RT: 23.41 min Scan# 6414
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion:225 Resp: 424481

Ion	Ratio	Lower	Upper
225	100		
223	62.6	51.3	76.9
227	64.1	51.6	77.4



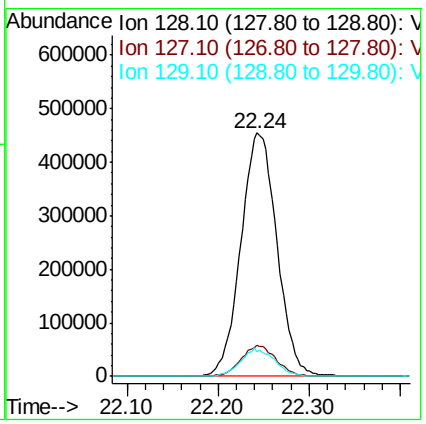


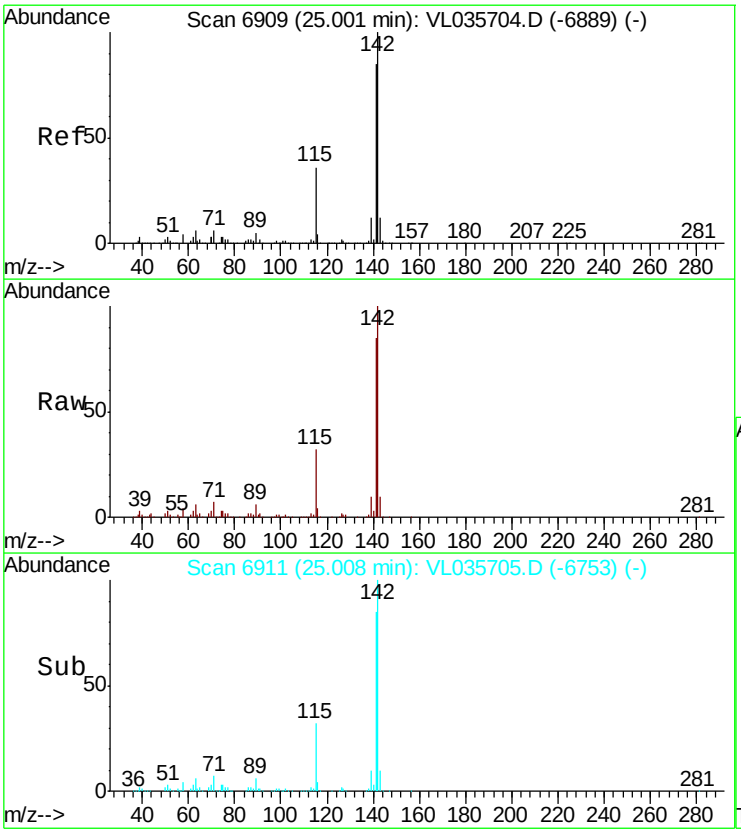
#79
Naphthalene
Concen: 2.055 ppbv
RT: 22.24 min Scan# 6051
Delta R.T. -0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:128 Resp: 1250501

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	15.8
129	10.3	9.4	14.0

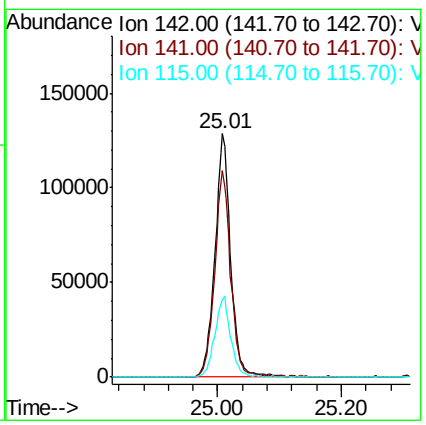


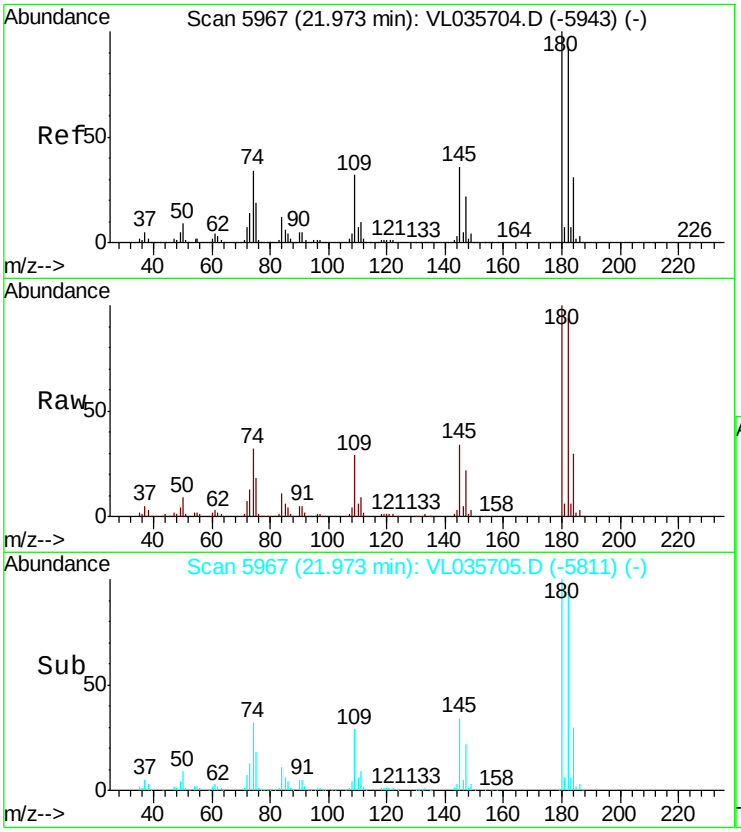


#80
Naphthalene,2-methyl-
Concen: 1.152 ppbv
RT: 25.01 min Scan# 6911
Delta R.T. 0.01 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Tgt Ion:142 Resp: 228291

Ion	Ratio	Lower	Upper
142	100		
141	86.1	68.2	102.4
115	33.3	27.8	41.6





#81
1,2,4-Trichlorobenzene
Concen: 1.717 ppbv
RT: 21.97 min Scan# 5967
Delta R.T. 0.00 min
Lab File: VL035705.D
Acq: 23 Sep 2020 4:02

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Tgt Ion:180 Resp: 612719

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.2	114.2
184	30.2	24.6	37.0