Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052220\
Data File : VL035080.D
Acq On : 22 May 2020 12:02
Operator : SY/AP
Sample : VL0522ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Quant Time: May 23 00:33:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1099554	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2566963	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2609461	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2102307	9.95	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.00	85	1183171	7.582	ppbv	100
3) Chlorodifluoromethane	2.94	51	1271149	10.126	ppbv	100
4) Chloromethane	3.09	50	719148	9.996	ppbv	97
5) Vinyl Chloride	3.21	62	708989	10.102	ppbv	100
6) Bromomethane	3.43	94	428384	10.223	ppbv	87
7) Chloroethane	3.51	64	263685	10.461	ppbv	94
8) Dichlorotetrafluoroethane	3.14	85	1622497	10.046	ppbv	99
9) Propene	2.96	41	523175	9.604	ppbv	97
10) Heptane	8.12	43	1484990	10.881	ppbv	100
11) Trichlorofluoromethane	3.91	101	1672102	10.391	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1176408	10.267	ppbv	100
13) Ethanol	3.56	45	166918	9.286	ppbv	98
14) Bromoethene	3.70	108	521723	11.019	ppbv	97
15) Acetone	3.81	43	1349754	9.285	ppbv	100
16) 1,3-Butadiene	3.28	39	655439	10.477	ppbv	100
17) tert-Butyl alcohol	4.25	59	1280399	9.900	ppbv	100
18) 1,1-Dichloroethene	4.25	96	550756	11.080	ppbv	97
19) Isopropyl Alcohol	3.92	45	974306	10.050	ppbv #	98
20) Methylene Chloride	4.31	84	483794	10.054	ppbv	95
21) Allyl Chloride	4.38	41	899531	10.955	ppbv	99
22) trans-1,2-Dichloroethene	4.85	96	544726	11.063	ppbv	93
23) Vinyl Acetate	5.04	43	1968303	10.678	ppbv	100
24) 1,1-Dichloroethane	4.98	63	1450012	10.213	ppbv	99
25) Ethyl Acetate	5.65	43	2538422	10.396	ppbv	100
26) Hexane	5.66	57	1129853	10.673	ppbv	99
27) Carbon Disulfide	4.51	76	1387376	11.120	ppbv	99
28) Methyl tert-Butyl Ether	5.00	73	1649856	10.234	ppbv	100
29) Chloroform	5.73	83	1756072	10.139	ppbv	95
30) Cyclohexane	7.12	84	943390	11.548	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1132285	10.963	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	1677571	10.725	ppbv	100
34) 2-Butanone	5.22	43	1631149	10.224	ppbv	99
35) Carbon Tetrachloride	7.01	117	1738200	10.728	ppbv	98
36) Benzene	6.88	78	2241812	10.593	ppbv	97
37) 1,2-Dichloroethane	6.29	62	1368480	10.482	ppbv	100
38) Trichloroethene	7.83	130	866384	10.567	ppbv	98
39) 1,2-Dichloropropane	7.61	63	889501	10.484	ppbv	98
40) 1,4-Dioxane	7.83	88	349219	10.127	ppbv	95
41) Tetrahydrofuran	6.03	42	909001	10.822	ppbv	97
42) Bromodichloromethane	7.79	83	1869547	10.618	ppbv	98
43) Methyl Methacrylate	8.01	69	1042415	11.665	ppbv	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052220\
Data File : VL035080.D
Acq On : 22 May 2020 12:02
Operator : SY/AP
Sample : VL0522ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Quant Time: May 23 00:33:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	3893628	10.348	ppbv		100
45) t-1,3-Dichloropropene	9.28	75	1124821	12.472	ppbv		97
46) cis-1,3-Dichloropropene	8.70	75	1361557	12.297	ppbv		99
47) 1,1,2-Trichloroethane	9.48	97	937639	10.473	ppbv		95
48) Dibromochloromethane	10.31	129	1532747	11.133	ppbv		99
49) Bromoform	13.06	173	1338340	11.297	ppbv		100
50) 4-Methyl-2-Pentanone	8.74	43	2479525	10.899	ppbv		100
51) 2-Hexanone	10.14	43	2039425	11.461	ppbv		99
52) Tetrachloroethene	11.23	164	793514	10.545	ppbv		97
53) Toluene	9.81	91	2600589	11.592	ppbv		99
54) 1,2-Dibromoethane	10.62	107	1419139	10.794	ppbv		96
56) 1,1,1,2-Tetrachloroethane	12.14	131	1157641	9.837	ppbv		96
57) Chlorobenzene	12.16	112	1949377	9.430	ppbv		99
58) Ethyl Benzene	12.73	91	3496668	10.836	ppbv		99
59) m/p-Xylene	13.01	91	5764847m	20.305	ppbv		
60) o-Xylene	13.71	91	2876495	10.268	ppbv		100
61) Styrene	13.55	104	2031548	11.459	ppbv		100
62) Isopropylbenzene	14.69	105	4216224	10.080	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.70	83	2015099	9.138	ppbv		99
64) n-propylbenzene	15.59	120	1107841	10.326	ppbv		99
65) tert-Butylbenzene	16.77	119	3626541	9.997	ppbv		100
66) Benzyl Chloride	17.02	91	1384247	11.240	ppbv		97
67) sec-Butylbenzene	17.32	105	5186843	10.016	ppbv		100
69) p-Isopropyltoluene	17.68	119	4260044	10.168	ppbv		100
70) n-Butylbenzene	18.58	91	4505295	10.104	ppbv		99
71) 2-Chlorotoluene	15.47	91	3293427	10.431	ppbv		99
72) 4-Ethyltoluene	15.86	105	3330559	10.656	ppbv		99
73) 1,3,5-Trimethylbenzene	16.02	105	3100247	10.193	ppbv		100
74) 1,2,4-Trimethylbenzene	16.79	105	3219539	9.697	ppbv	#	87
75) 1,3-Dichlorobenzene	17.02	146	1841105m	9.444	ppbv		
76) 1,4-Dichlorobenzene	17.17	146	1825909	9.857	ppbv		99
77) 1,2-Dichlorobenzene	17.85	146	1753684	9.547	ppbv		99
78) Hexachloro-1,3-Butadiene	23.41	225	1476774	9.431	ppbv		100
79) Naphthalene	22.24	128	3186205	12.323	ppbv		99
80) Naphthalene,2-methyl-	25.00	142	1426174	22.440	ppbv		98
81) 1,2,4-Trichlorobenzene	21.97	180	1669016	10.645	ppbv		100

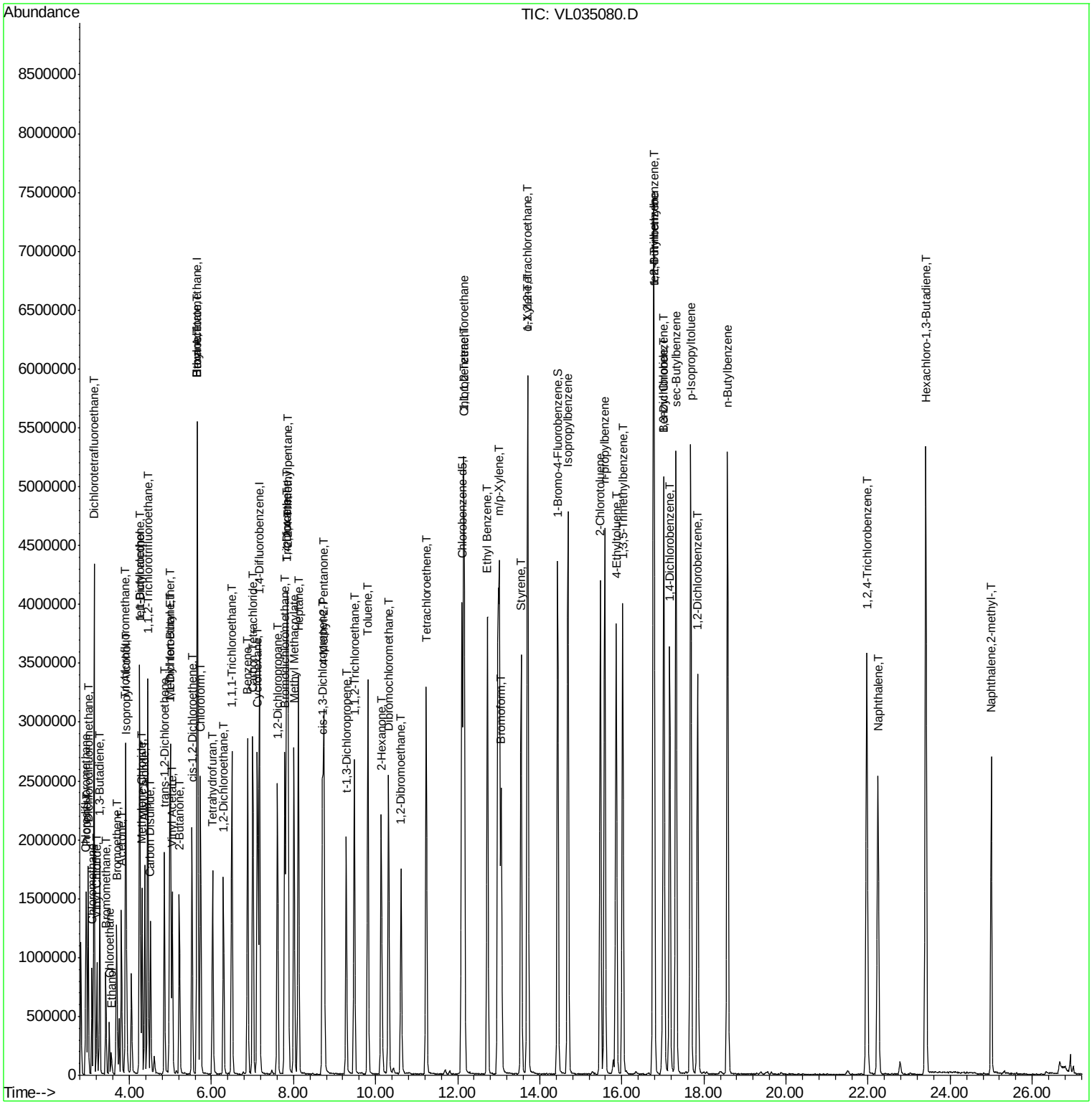
(#) = qualifier out of range (m) = manual integration (+) = signals summed

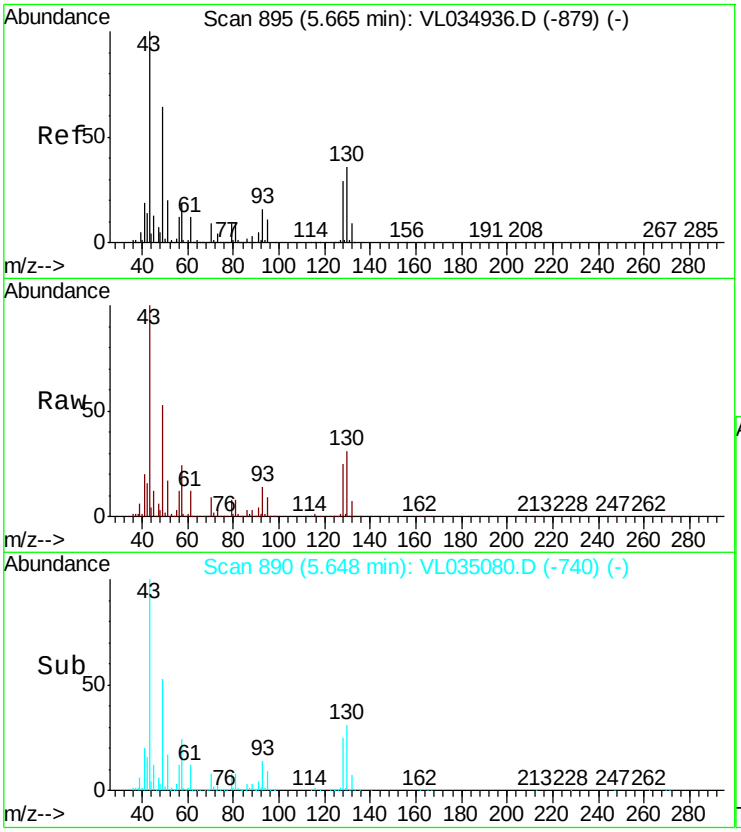
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052220\
Data File : VL035080.D
Acq On : 22 May 2020 12:02
Operator : SY/AP
Sample : VL0522ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Quant Time: May 23 00:33:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration



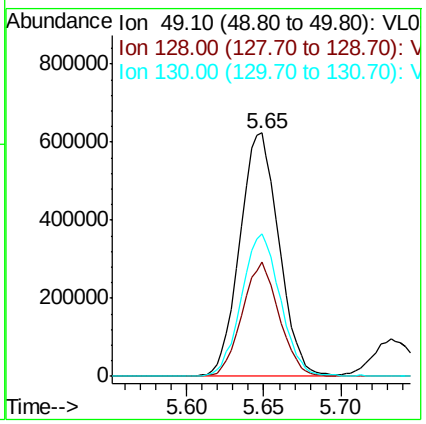


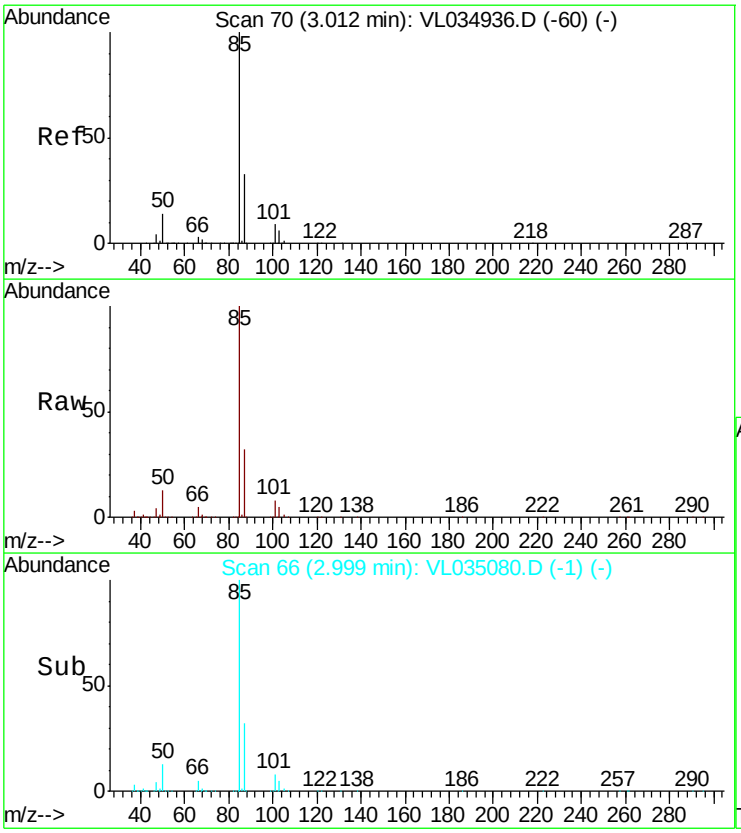
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 49 Resp: 1099554

Ion	Ratio	Lower	Upper
49	100		
128	44.8	22.1	66.5
130	58.1	29.1	87.3

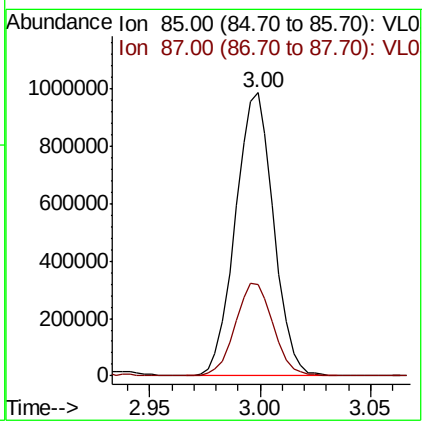


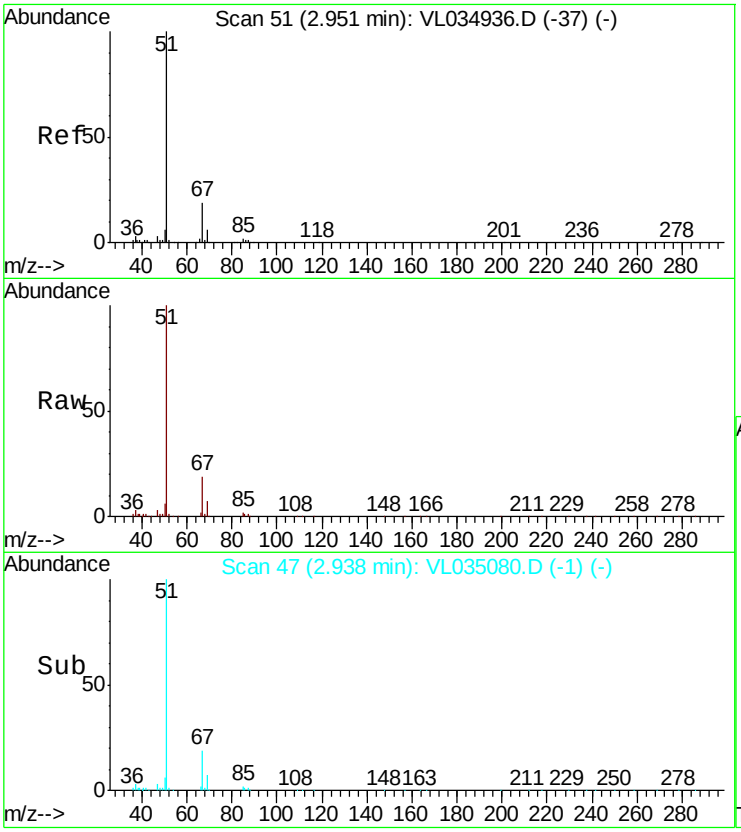


#2
Dichlorodifluoromethane
Concen: 7.582 ppbv
RT: 3.00 min Scan# 66
Delta R.T. -0.01 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 85 Resp: 1183171

Ion	Ratio	Lower	Upper
85	100		
87	32.5	26.2	39.2



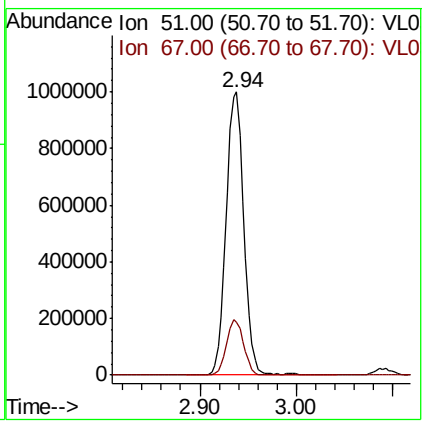


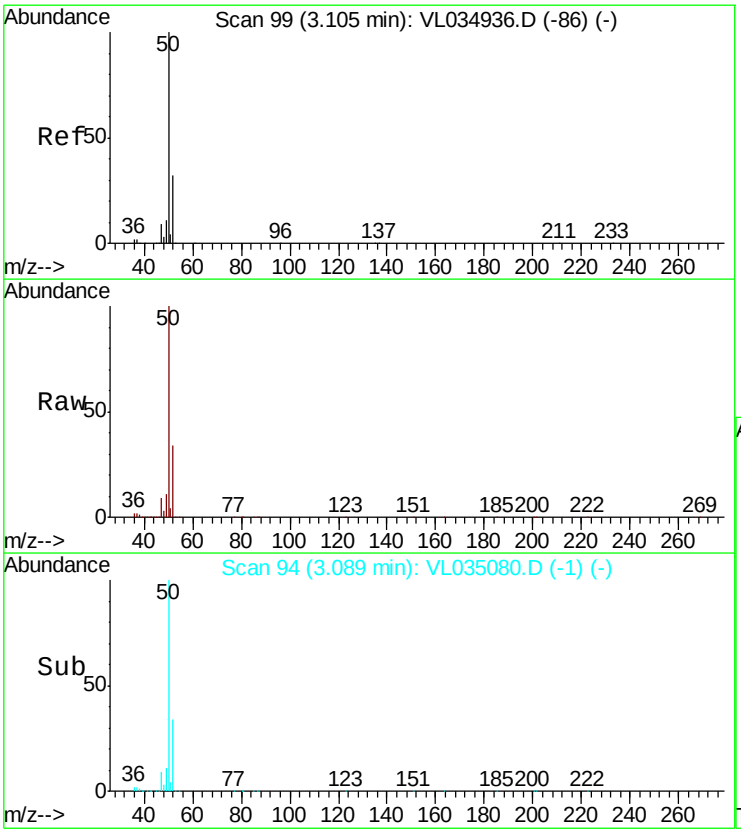
#3
Chlorodifluoromethane
Concen: 10.126 ppbv
RT: 2.94 min Scan# 47
Delta R.T. -0.01 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 51 Resp: 1271149

Ion	Ratio	Lower	Upper
51	100		
67	19.0	15.0	22.6

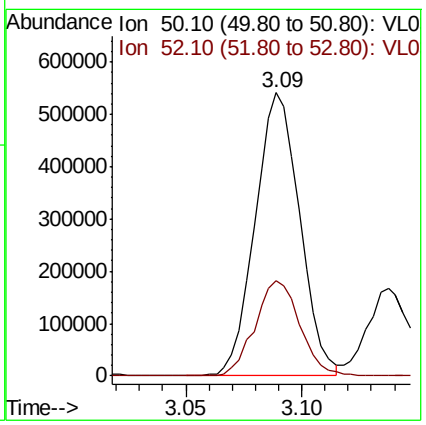


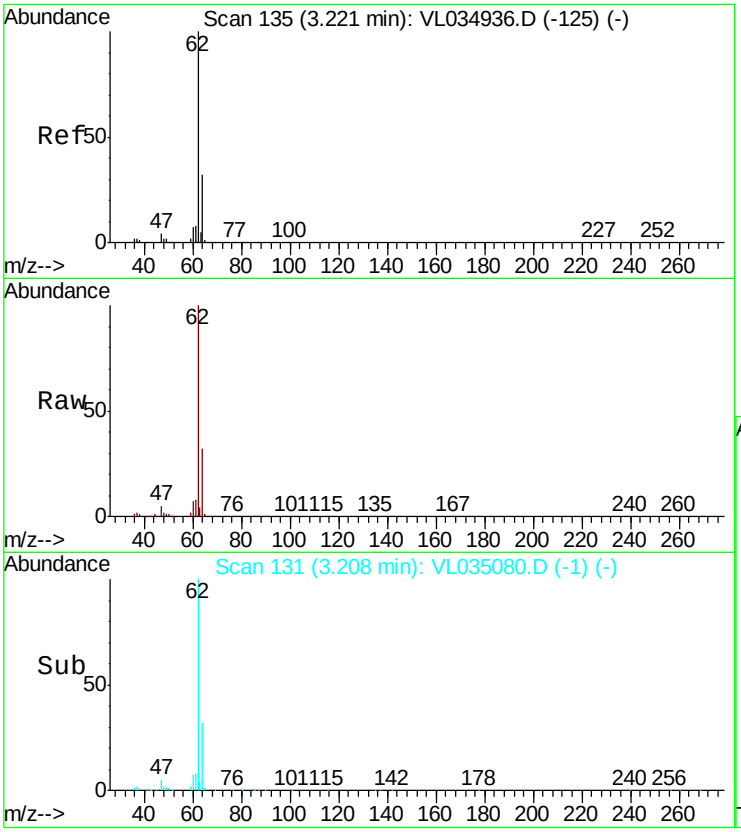


#4
Chloromethane
Concen: 9.996 ppbv
RT: 3.09 min Scan# 94
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 50 Resp: 719148

Ion	Ratio	Lower	Upper
50	100		
52	33.6	25.4	38.2



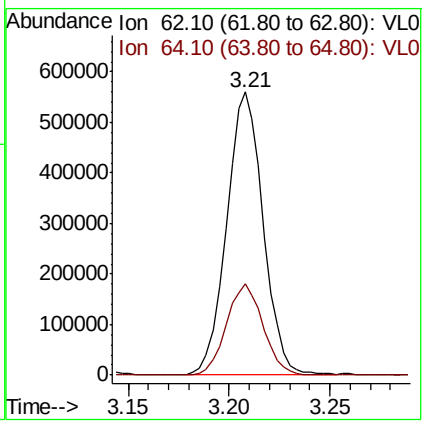


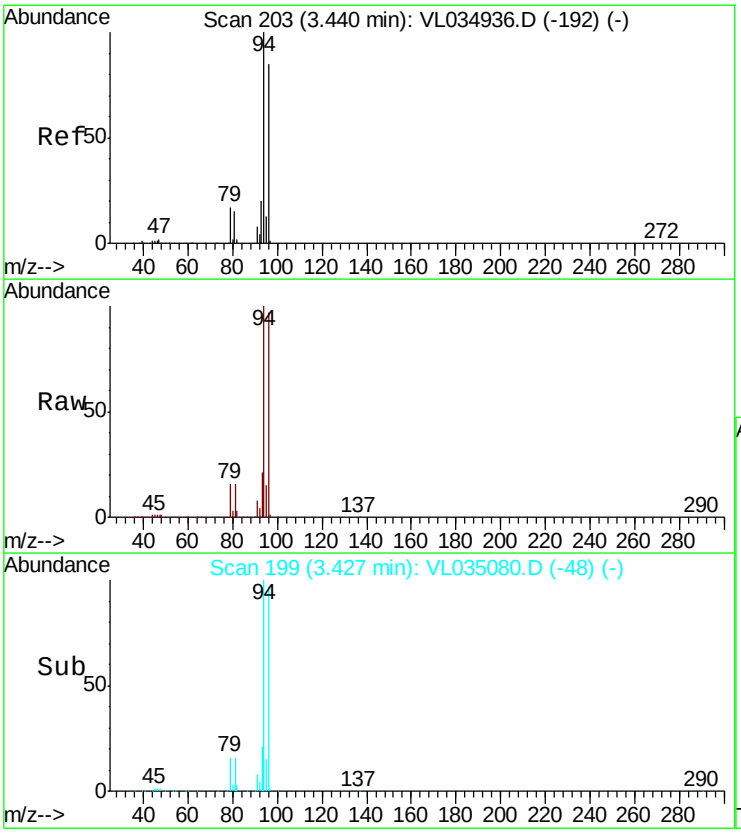
#5
Vinyl Chloride
Concen: 10.102 ppbv
RT: 3.21 min Scan# 131
Delta R.T. -0.01 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 62 Resp: 708989

Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.7	38.5

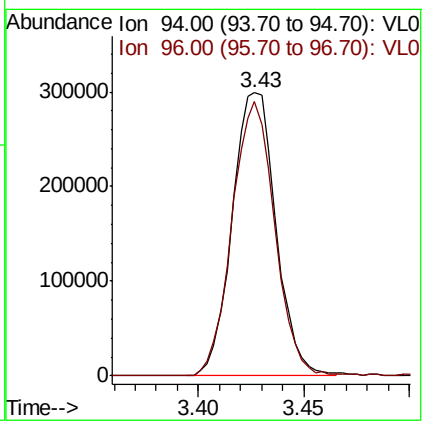


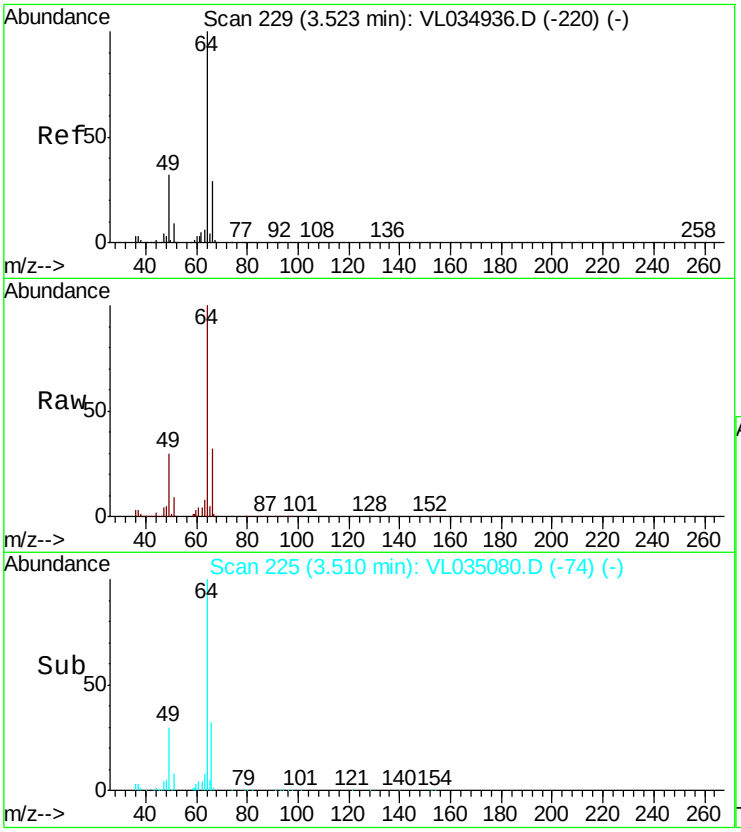


#6
Bromomethane
Concen: 10.223 ppbv
RT: 3.43 min Scan# 199
Delta R.T. -0.01 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 94 Resp: 428384

Ion	Ratio	Lower	Upper
94	100		
96	96.8	67.9	101.9



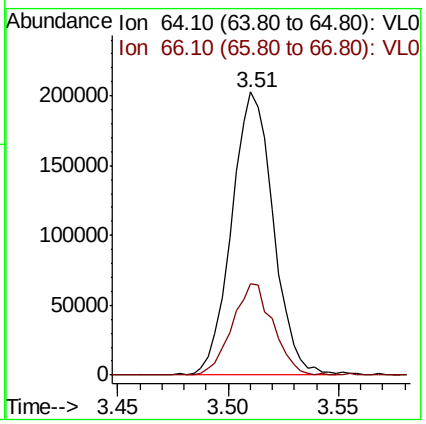


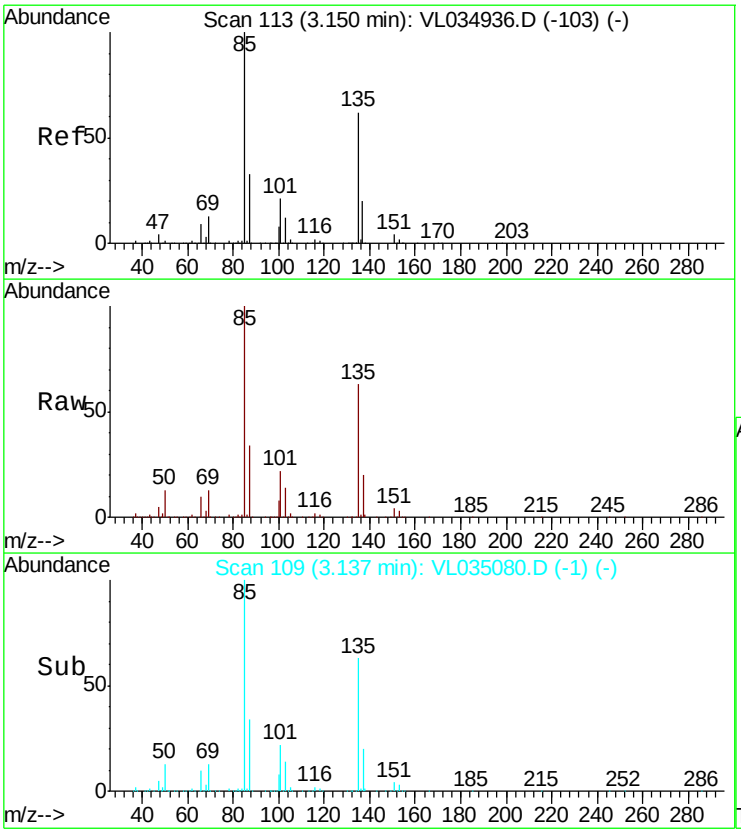
#7
Chloroethane
Concen: 10.461 ppbv
RT: 3.51 min Scan# 225
Delta R.T. -0.01 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 64 Resp: 263685

Ion	Ratio	Lower	Upper
64	100		
66	32.1	23.2	34.8

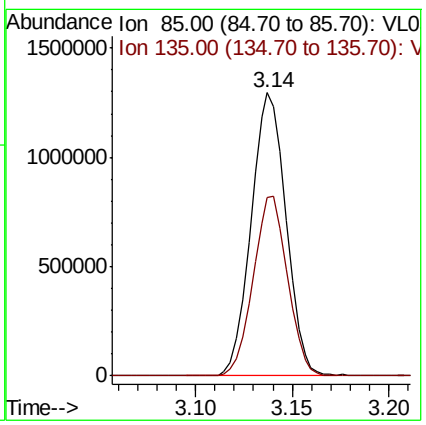


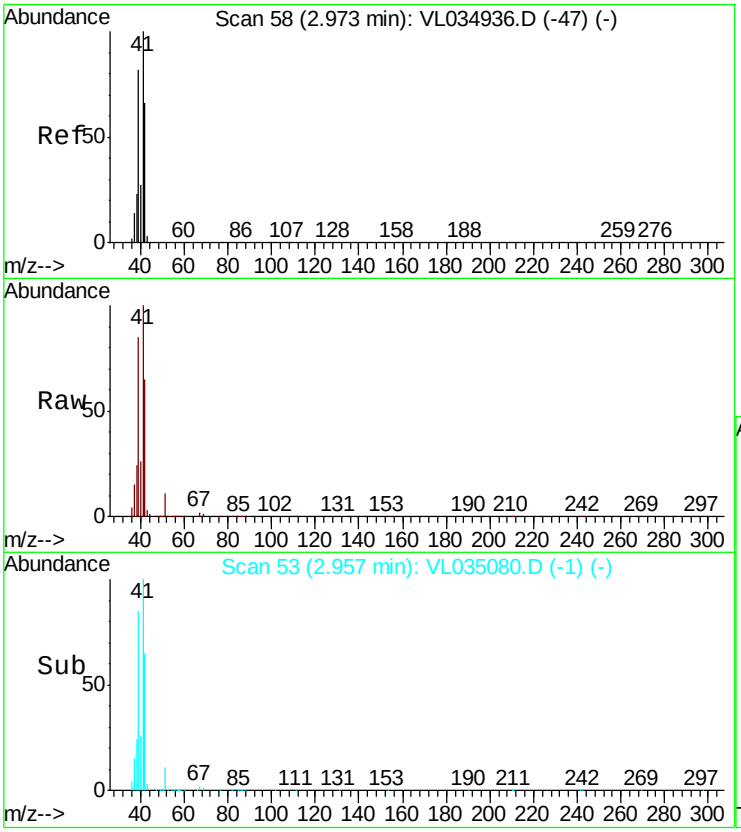


#8
Dichlorotetrafluoroethane
Concen: 10.046 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.01 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 85 Resp: 1622497

Ion	Ratio	Lower	Upper
85	100		
135	62.9	50.9	76.3



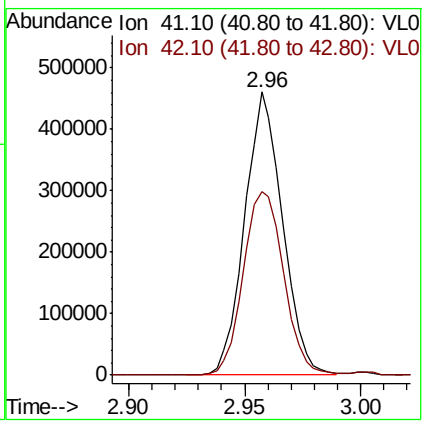


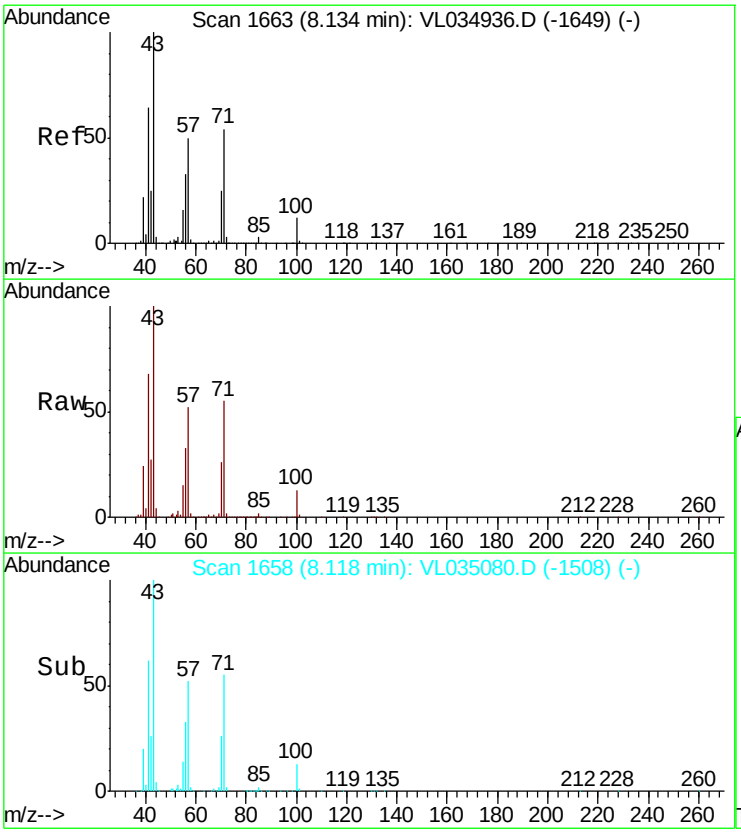
#9
Propene
Concen: 9.604 ppbv
RT: 2.96 min Scan# 53
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 41 Resp: 523175

Ion	Ratio	Lower	Upper
41	100		
42	70.3	54.5	81.7

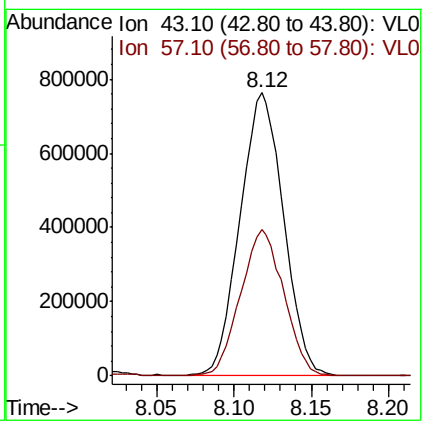


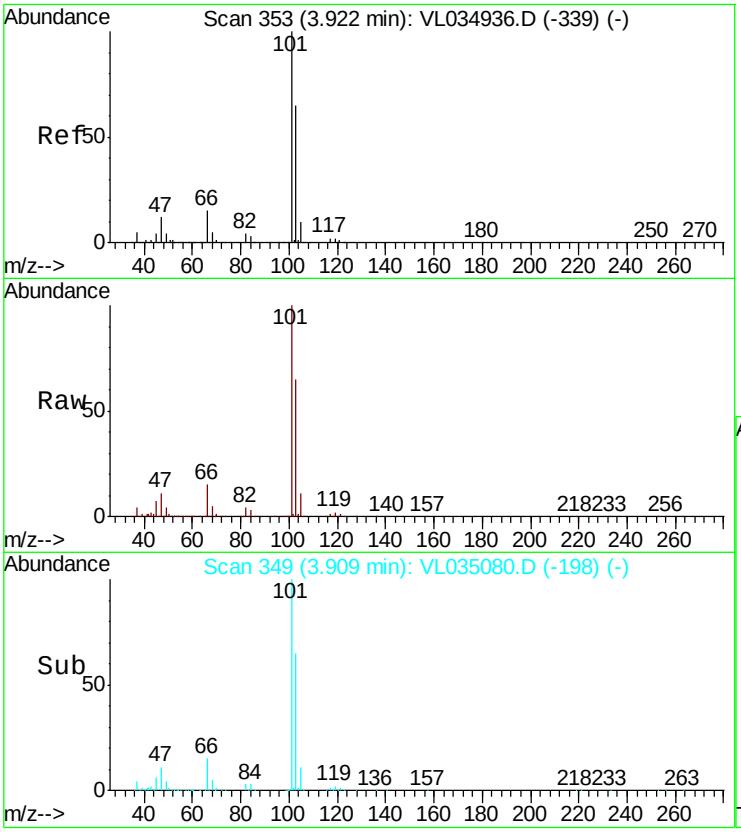


#10
Heptane
Concen: 10.881 ppbv
RT: 8.12 min Scan# 1658
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 43 Resp: 1484990

Ion	Ratio	Lower	Upper
43	100		
57	51.6	41.1	61.7



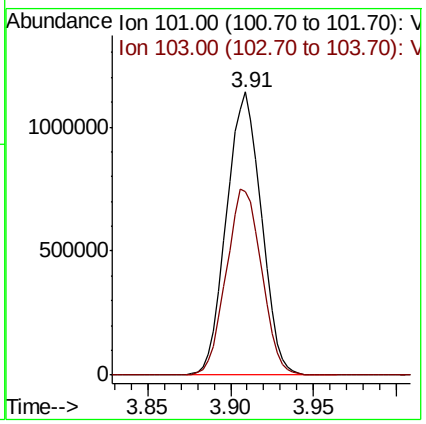


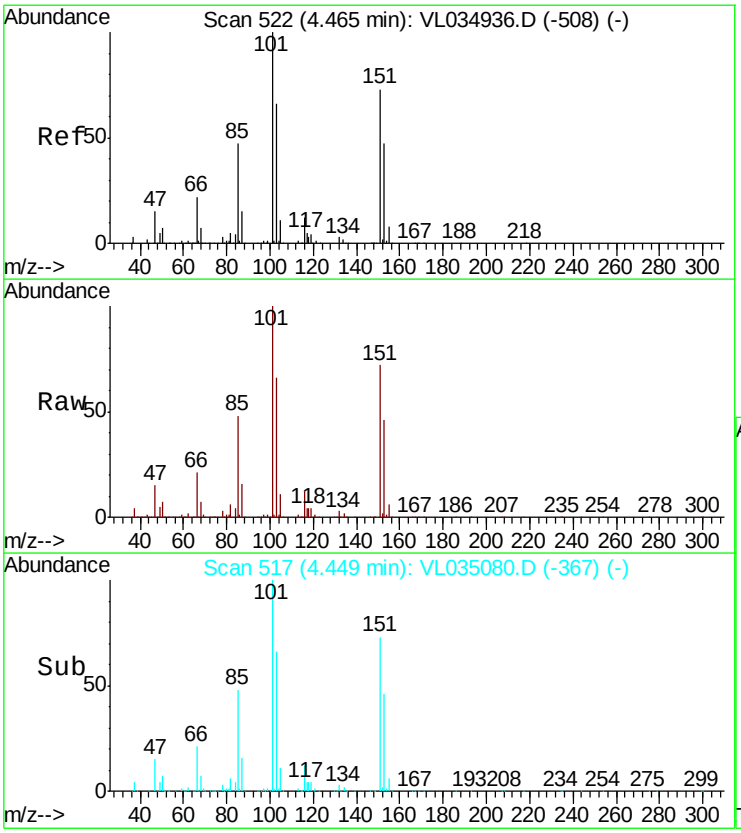
#11
Trichlorofluoromethane
Concen: 10.391 ppbv
RT: 3.91 min Scan# 349
Delta R.T. -0.01 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion:101 Resp: 1672102

Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.9	77.9

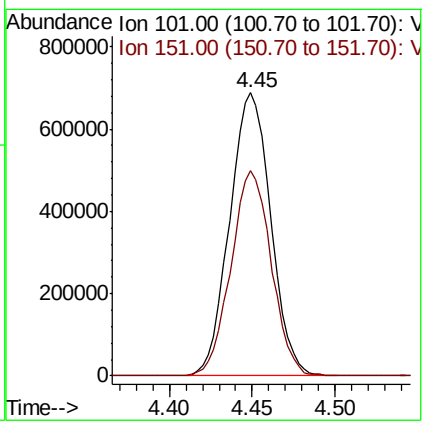


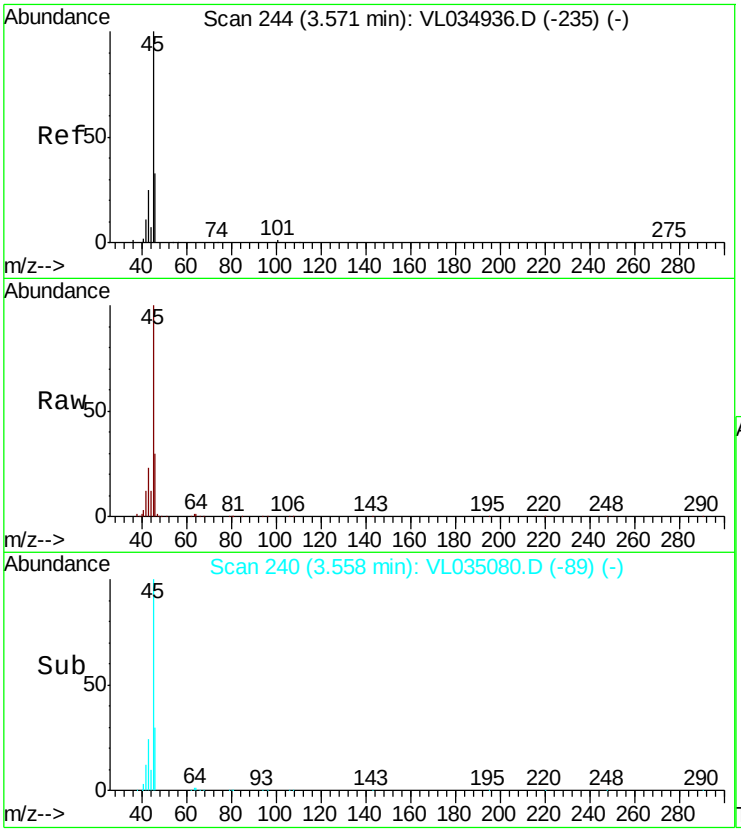


#12
1,1,2-Trichlorotrifluoroethane
Concen: 10.267 ppbv
RT: 4.45 min Scan# 517
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion:101 Resp: 1176408

Ion	Ratio	Lower	Upper
101	100		
151	71.9	57.6	86.4



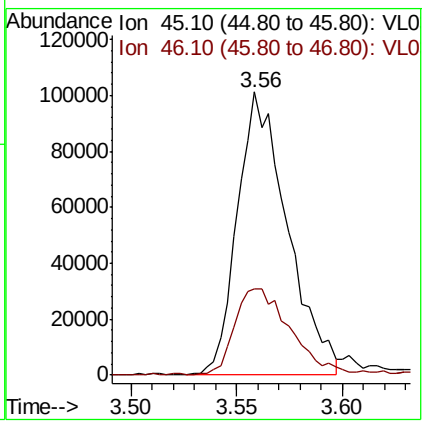


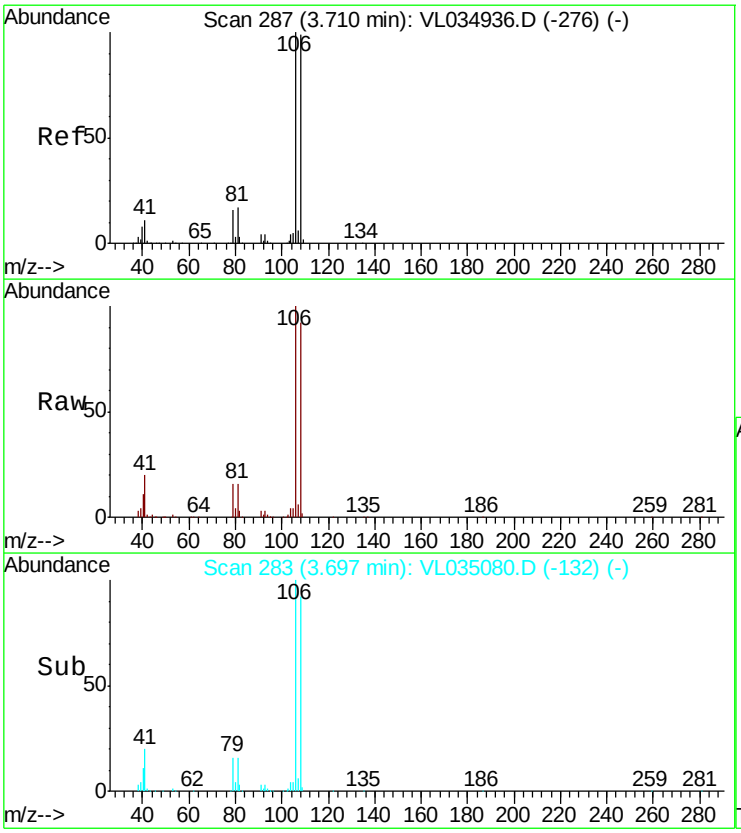
#13
Ethanol
Concen: 9.286 ppbv
RT: 3.56 min Scan# 240
Delta R.T. -0.01 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 45 Resp: 166918

Ion	Ratio	Lower	Upper
45	100		
46	34.8	14.3	57.3

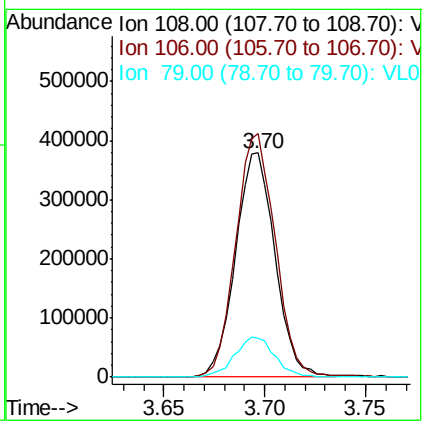


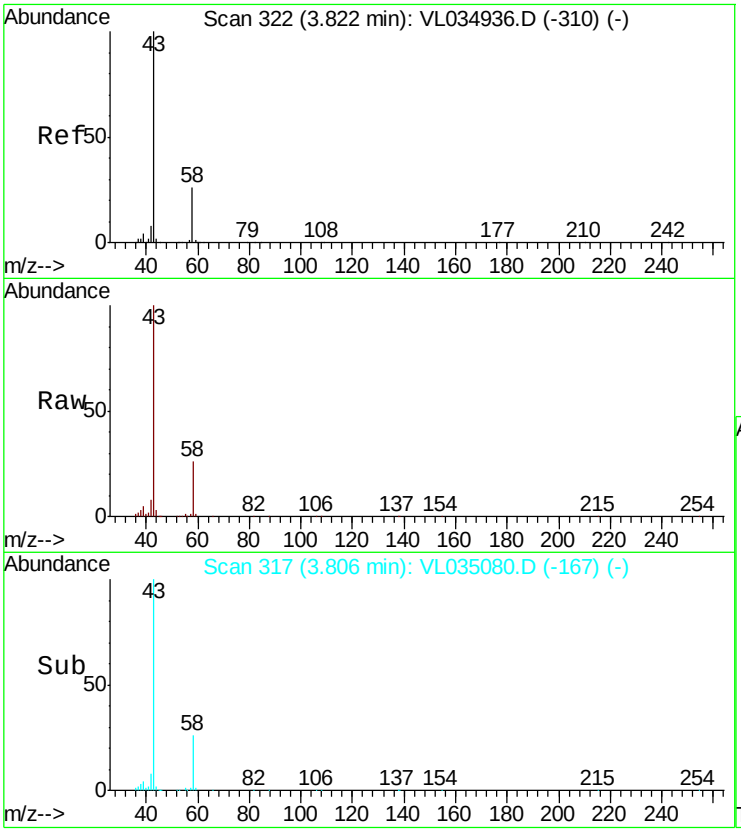


#14
Bromoethene
Concen: 11.019 ppbv
RT: 3.70 min Scan# 283
Delta R.T. -0.01 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion:108 Resp: 521723

Ion	Ratio	Lower	Upper
108	100		
106	108.9	84.9	127.3
79	18.4	14.1	21.1



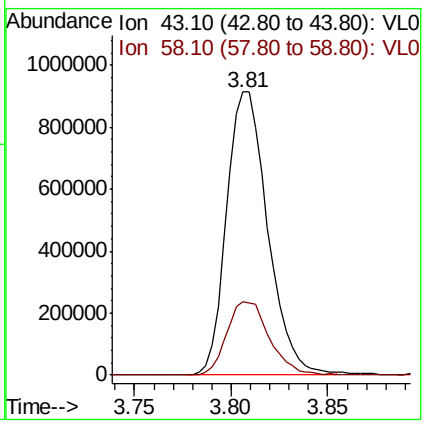


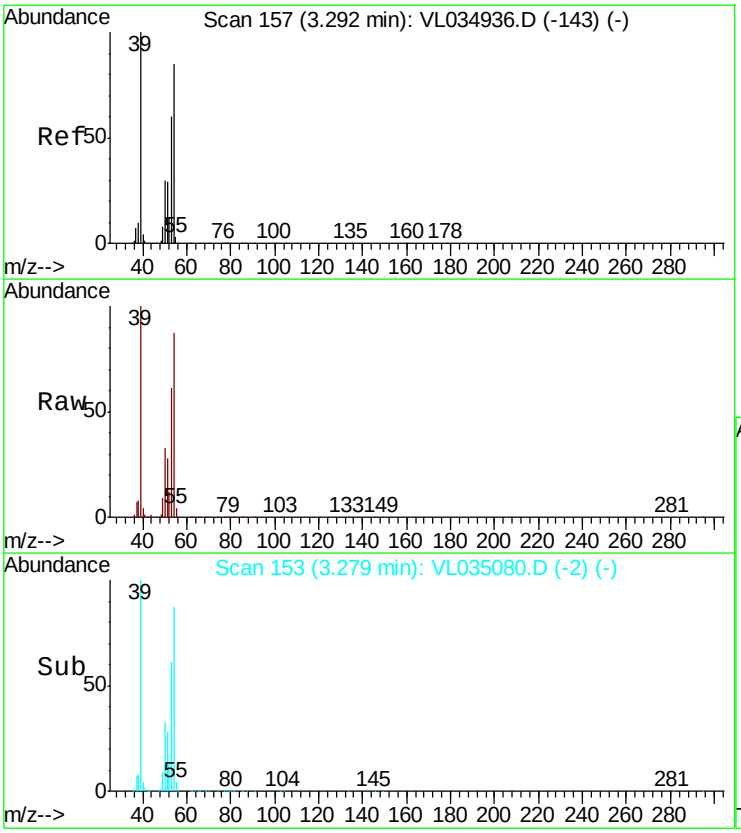
#15
Acetone
Concen: 9.285 ppbv
RT: 3.81 min Scan# 317
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 43 Resp: 1349754

Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.7	32.5

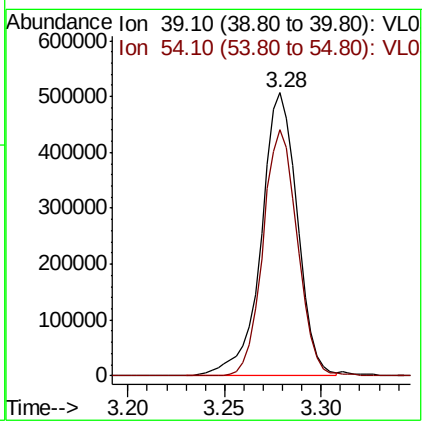


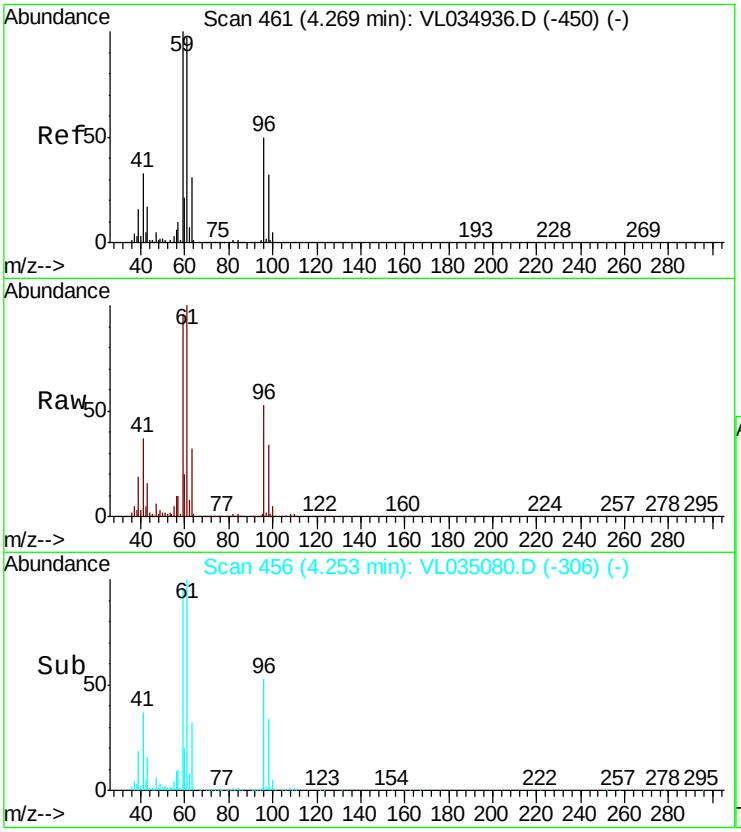


#16
1,3-Butadiene
Concen: 10.477 ppbv
RT: 3.28 min Scan# 153
Delta R.T. -0.01 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 39 Resp: 655439

Ion	Ratio	Lower	Upper
39	100		
54	83.0	66.6	100.0



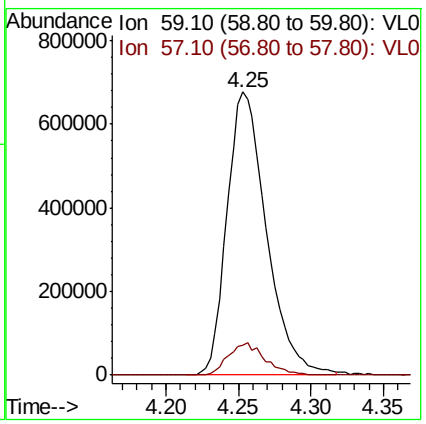


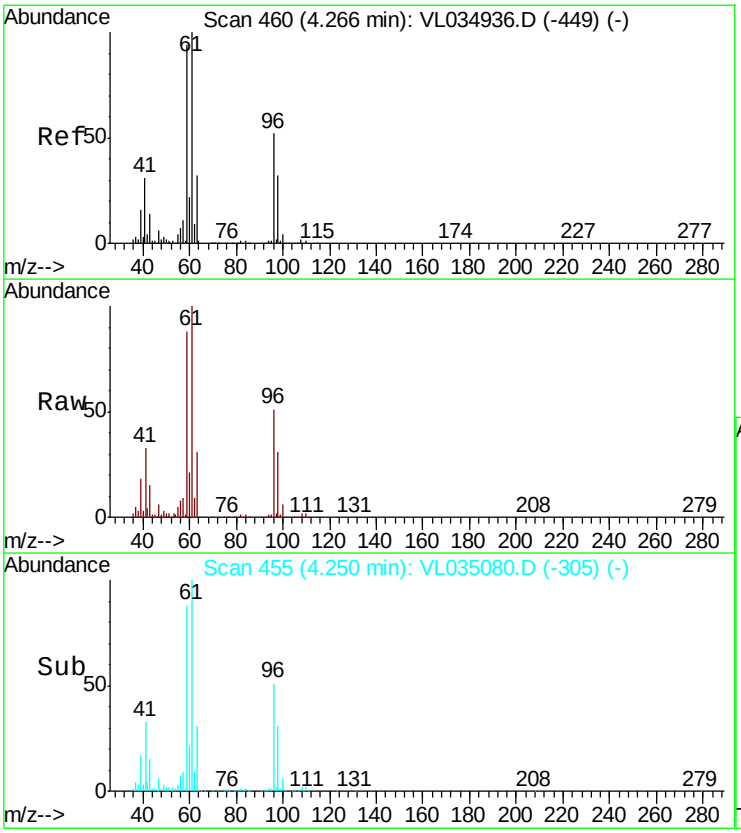
#17
tert-Butyl alcohol
Concen: 9.900 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 59 Resp: 1280399

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.7	13.1

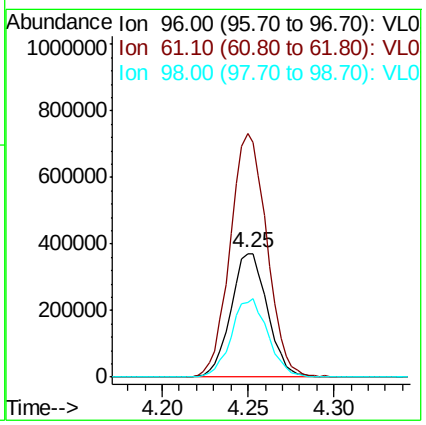


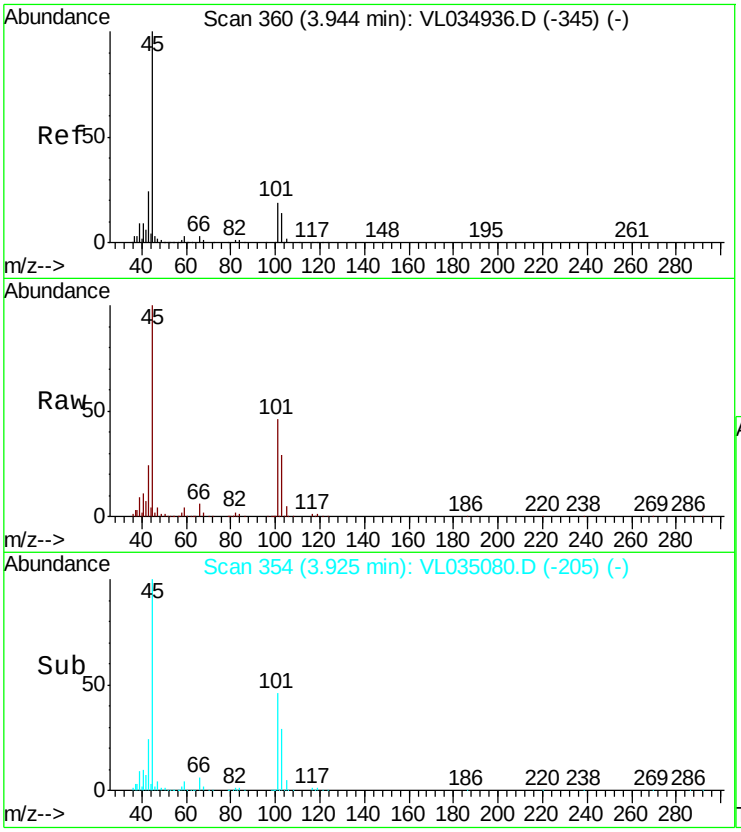


#18
1,1-Dichloroethene
Concen: 11.080 ppbv
RT: 4.25 min Scan# 455
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 96 Resp: 550756

Ion	Ratio	Lower	Upper
96	100		
61	196.9	152.4	228.6
98	60.8	48.8	73.2



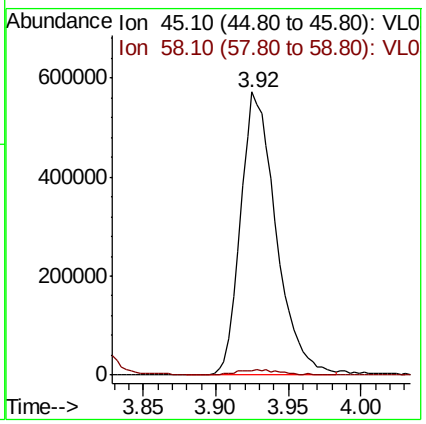


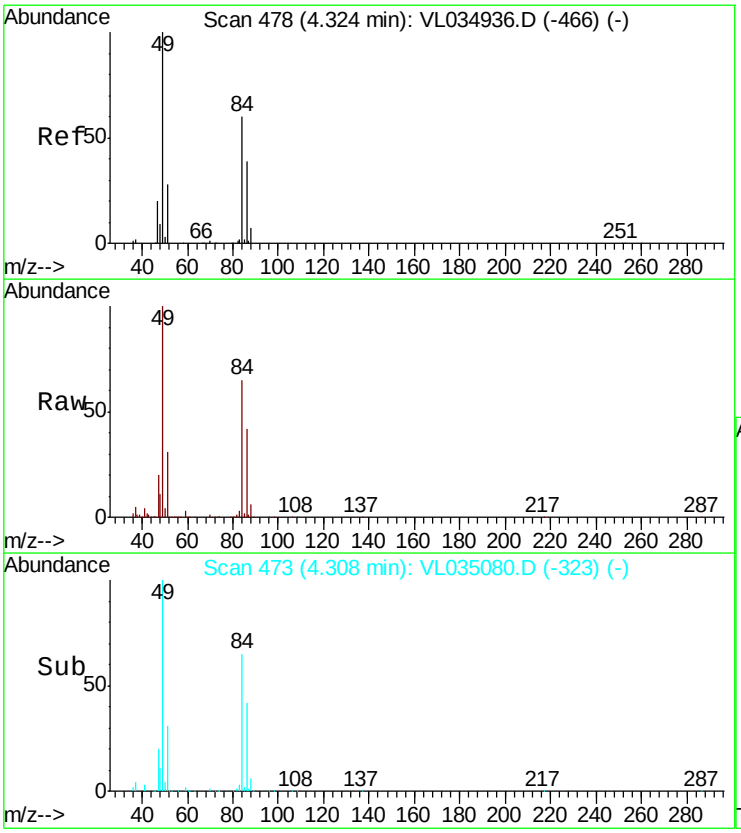
#19
Isopropyl Alcohol
Concen: 10.050 ppbv
RT: 3.92 min Scan# 354
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 45 Resp: 974306

Ion	Ratio	Lower	Upper
45	100		
58	2.8	1.7	2.5#

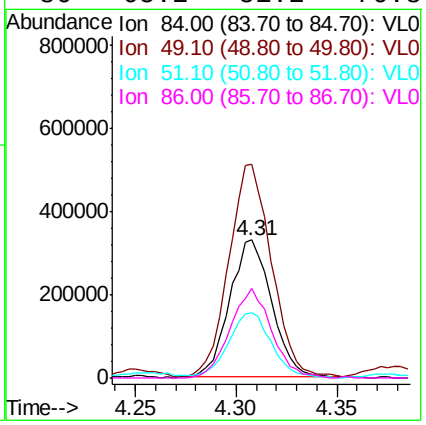


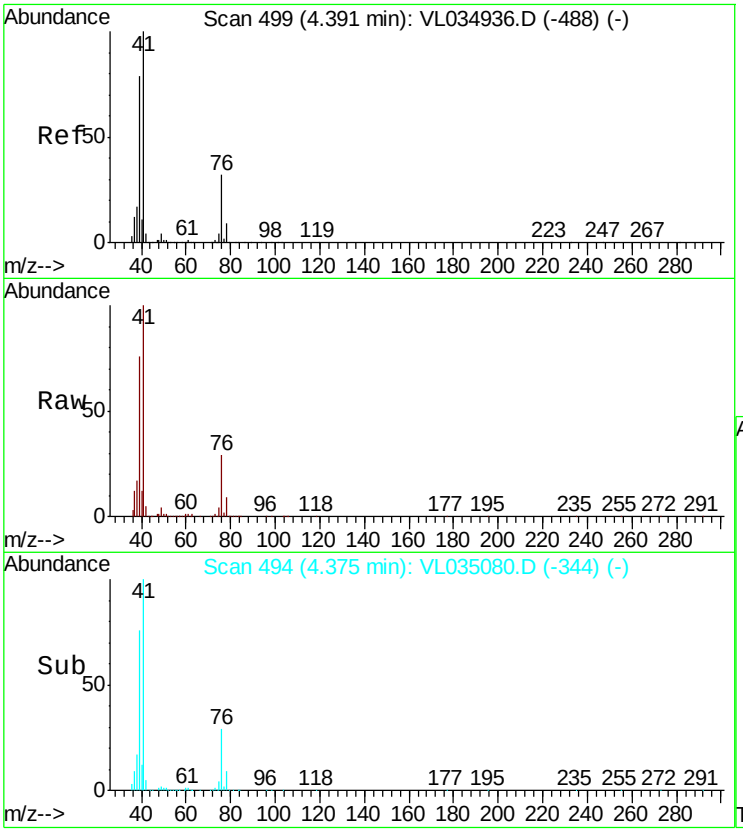


#20
Methylene Chloride
Concen: 10.054 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 84 Resp: 483794

Ion	Ratio	Lower	Upper
84	100		
49	154.5	132.5	198.7
51	47.4	38.4	57.6
86	65.2	51.2	76.8



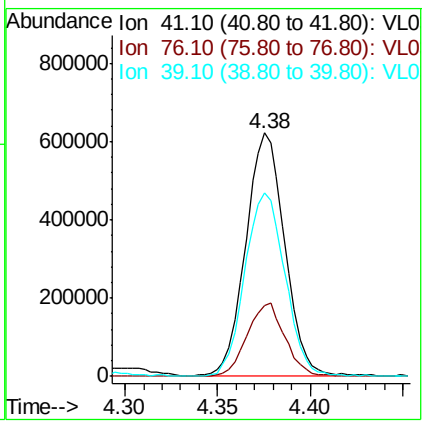


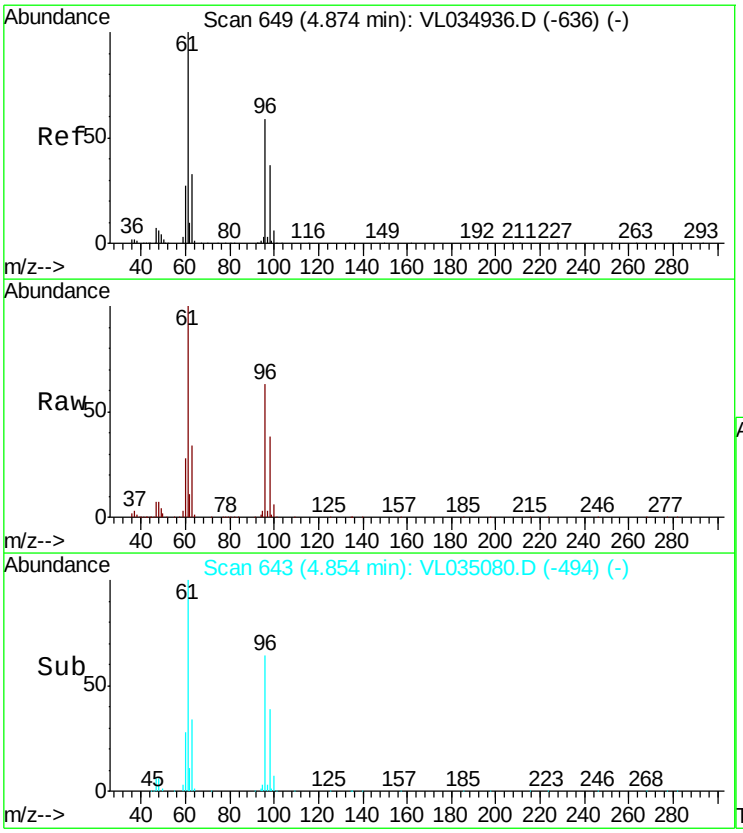
#21
Allyl Chloride
Concen: 10.955 ppbv
RT: 4.38 min Scan# 494
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 41 Resp: 899531

Ion	Ratio	Lower	Upper
41	100		
76	29.5	23.6	35.4
39	78.7	61.9	92.9

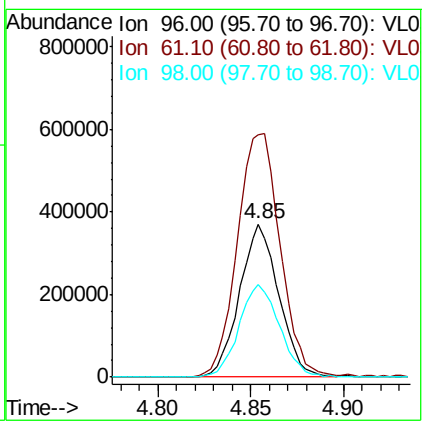


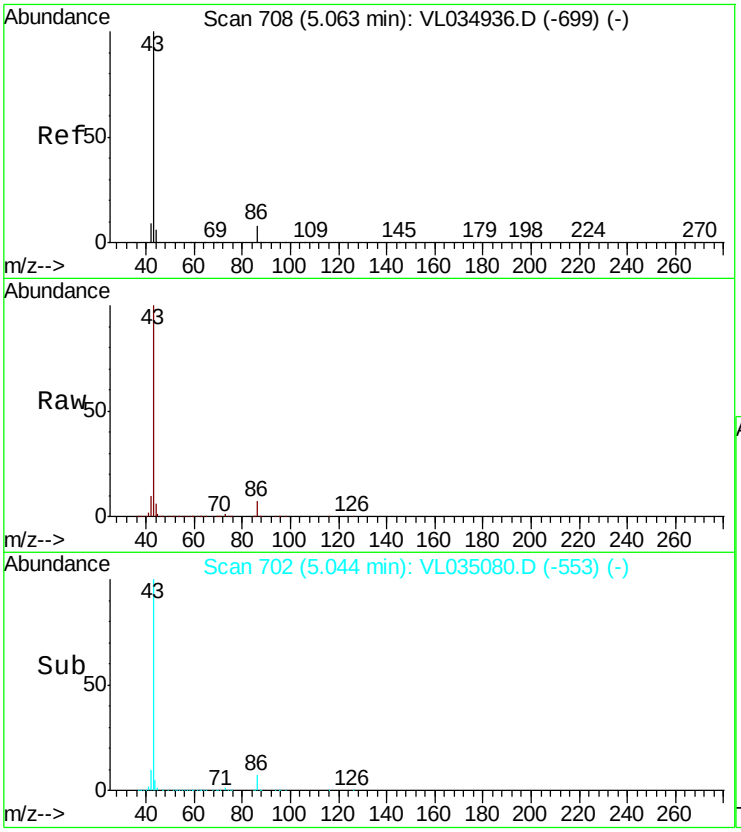


#22
trans-1,2-Dichloroethene
Concen: 11.063 ppbv
RT: 4.85 min Scan# 643
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 96 Resp: 544726

Ion	Ratio	Lower	Upper
96	100		
61	158.1	135.3	202.9
98	60.7	50.4	75.6



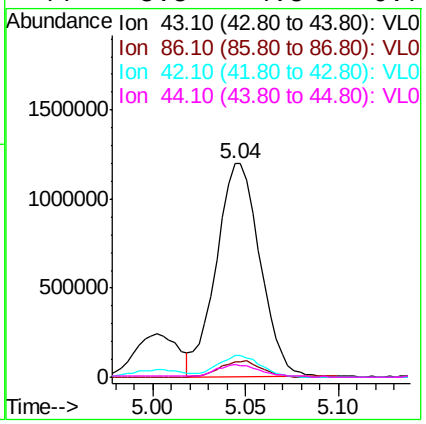


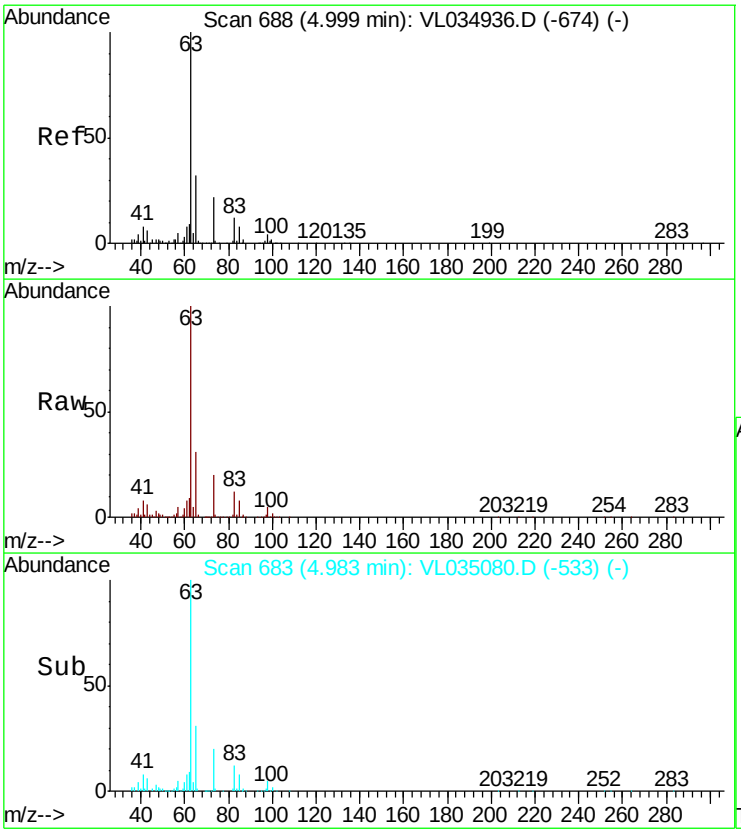
#23
Vinyl Acetate
Concen: 10.678 ppbv
RT: 5.04 min Scan# 702
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 43 Resp: 1968303

Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.5	8.3
42	10.0	8.0	12.0
44	5.5	4.5	6.7

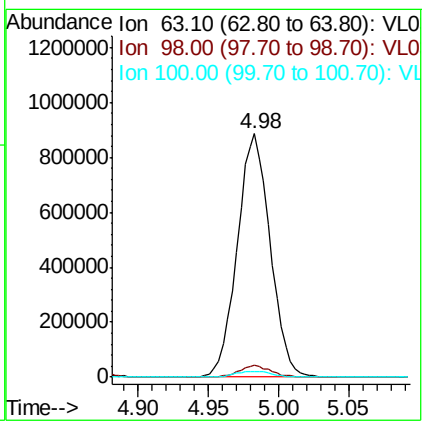


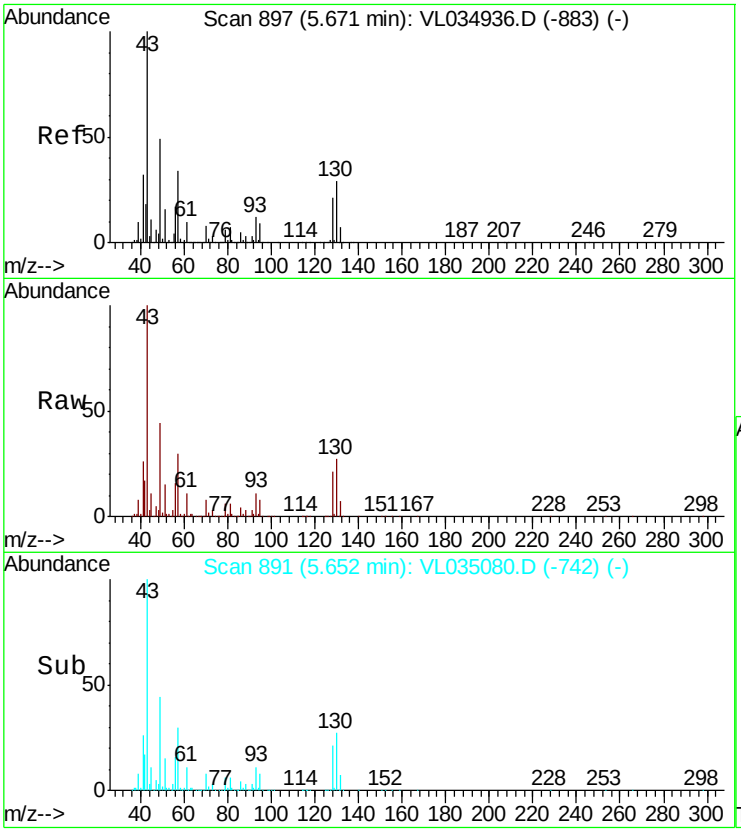


#24
1,1-Dichloroethane
Concen: 10.213 ppbv
RT: 4.98 min Scan# 683
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 63 Resp: 1450012

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.0	6.0
100	2.3	1.1	3.5



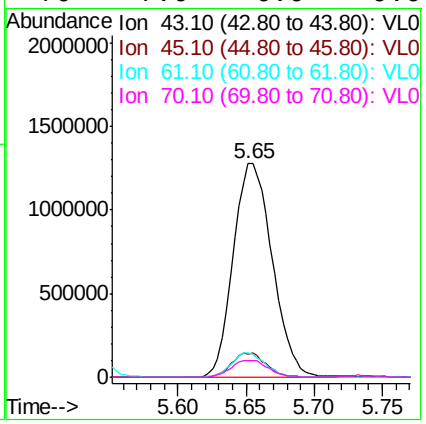


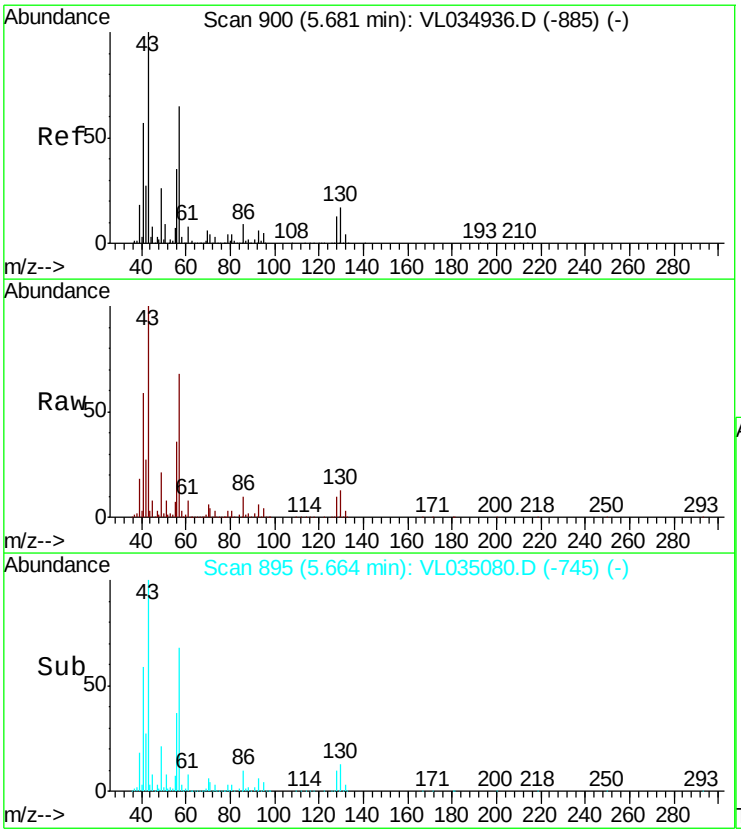
#25
Ethyl Acetate
Concen: 10.396 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 43 Resp: 2538422

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	10.1	7.8	11.8
70	7.6	6.0	9.0

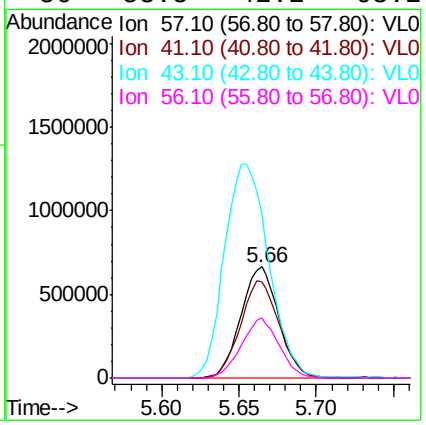


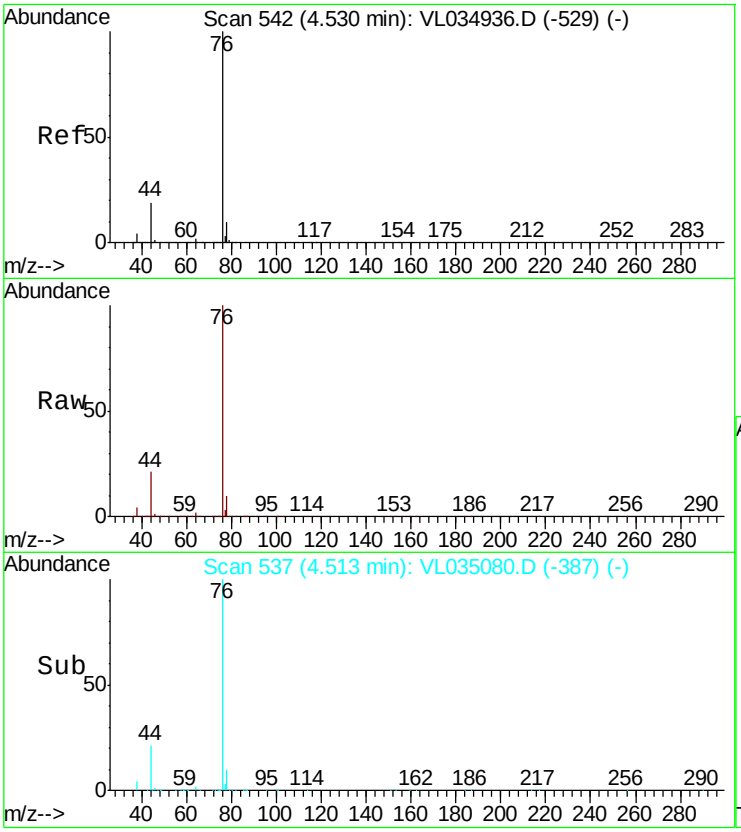


#26
Hexane
Concen: 10.673 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 57 Resp: 1129853

Ion	Ratio	Lower	Upper
57	100		
41	90.8	72.7	109.1
43	225.2	182.1	273.1
56	53.5	42.2	63.2



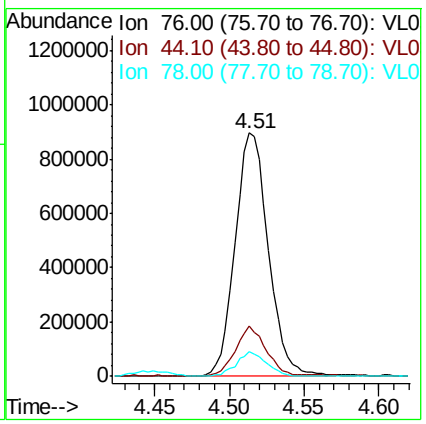


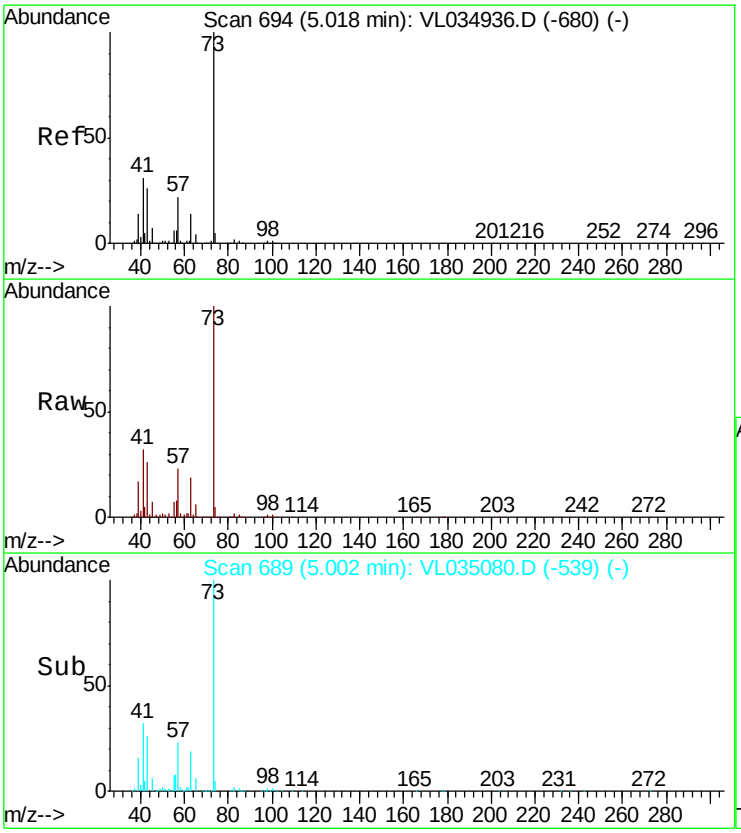
#27
Carbon Disulfide
Concen: 11.120 ppbv
RT: 4.51 min Scan# 537
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 76 Resp: 1387376

Ion	Ratio	Lower	Upper
76	100		
44	19.2	15.2	22.8
78	9.2	7.7	11.5

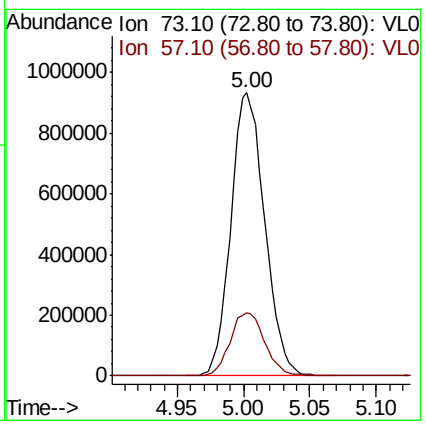


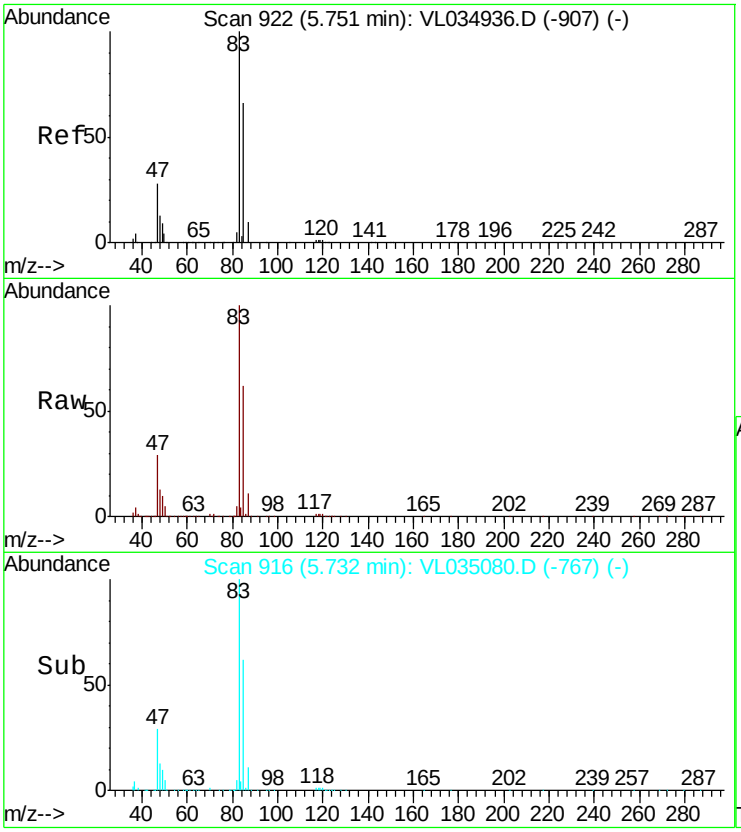


#28
Methyl tert-Butyl Ether
Concen: 10.234 ppbv
RT: 5.00 min Scan# 689
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 73 Resp: 1649856

Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.3	27.5



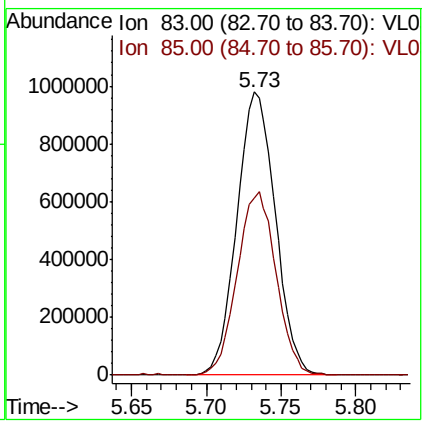


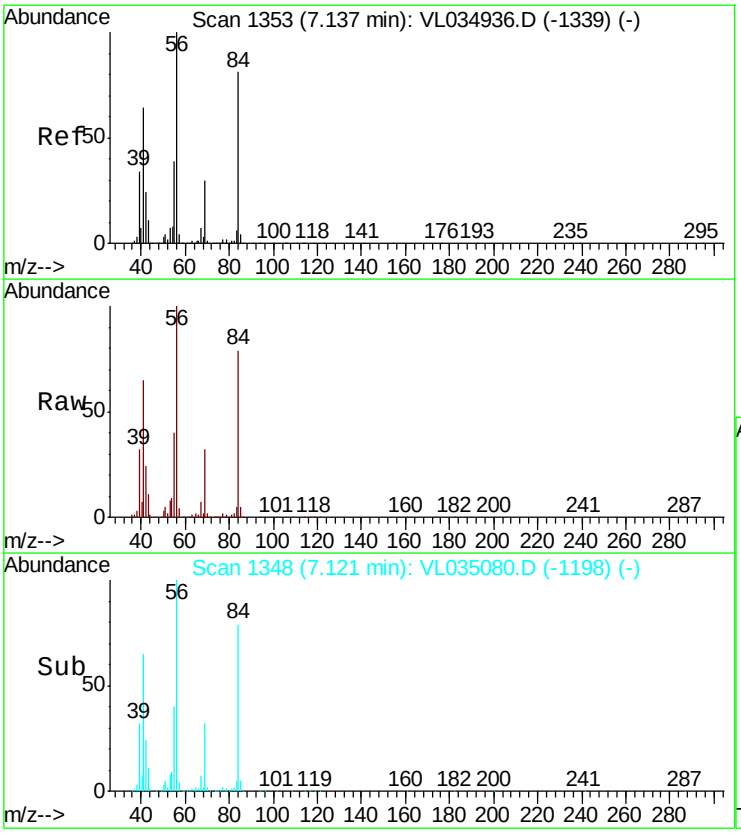
#29
Chloroform
Concen: 10.139 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 83 Resp: 1756072

Ion	Ratio	Lower	Upper
83	100		
85	62.4	53.0	79.6

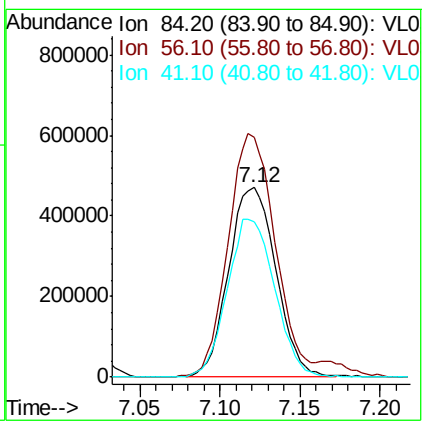


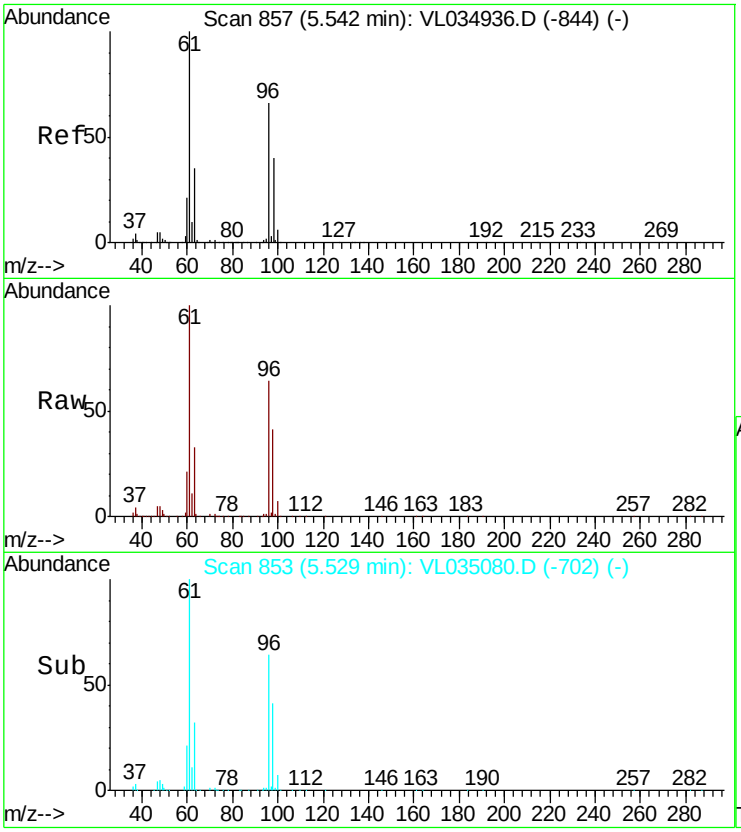


#30
Cyclohexane
Concen: 11.548 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 84 Resp: 943390

Ion	Ratio	Lower	Upper
84	100		
56	134.7	111.4	167.2
41	84.4	66.7	100.1



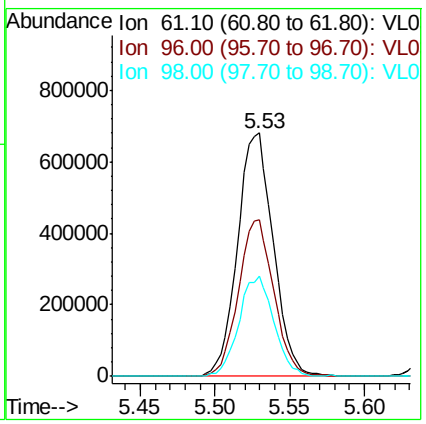


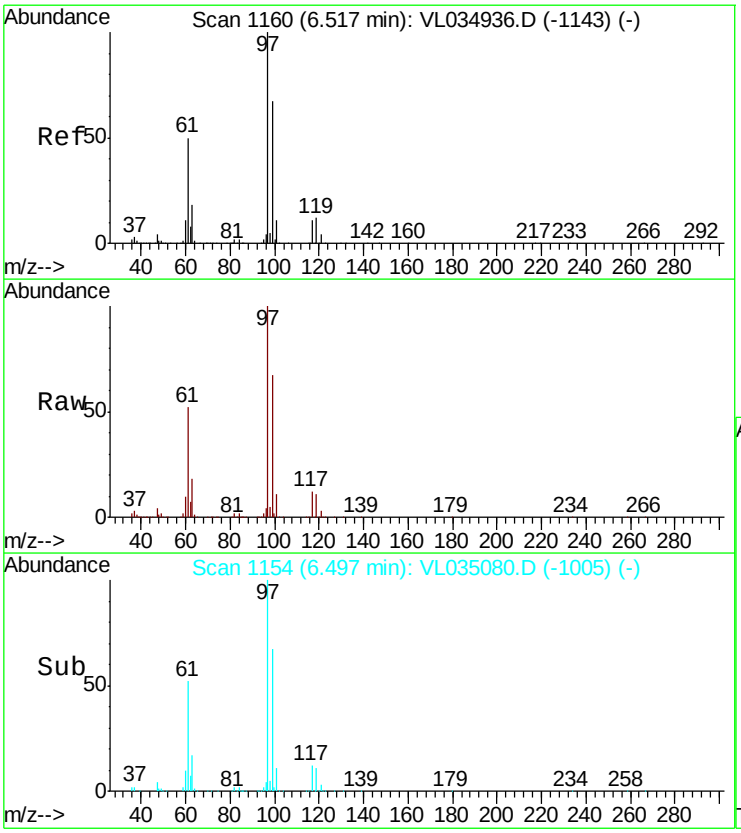
#31
cis-1,2-Dichloroethene
Concen: 10.963 ppbv
RT: 5.53 min Scan# 853
Delta R.T. -0.01 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 61 Resp: 1132285

Ion	Ratio	Lower	Upper
61	100		
96	64.3	53.0	79.6
98	41.2	32.2	48.2

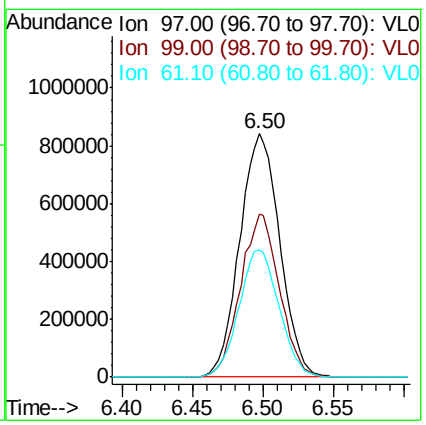


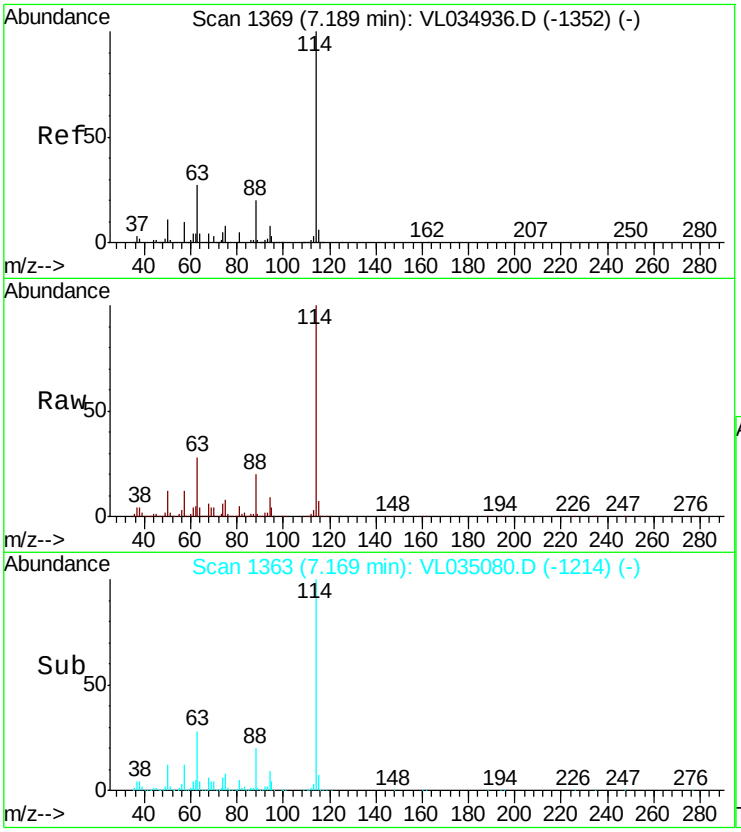


#32
1,1,1-Trichloroethane
Concen: 10.725 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 97 Resp: 1677571

Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.1	78.1
61	52.5	41.8	62.8



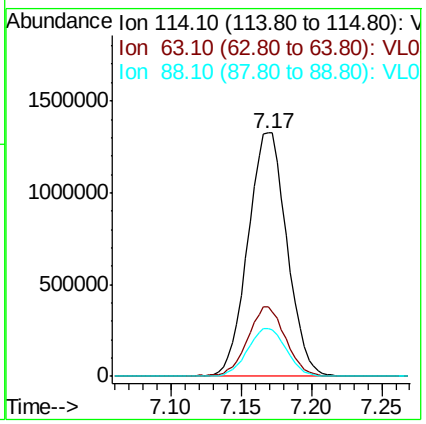


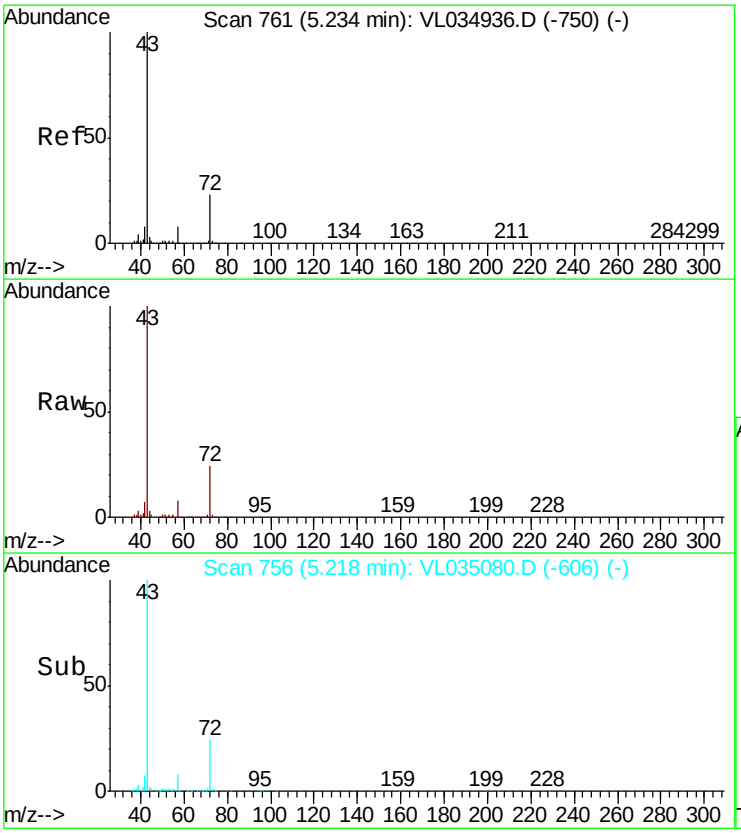
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion:114 Resp: 2566963

Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.2	33.4
88	19.6	15.5	23.3

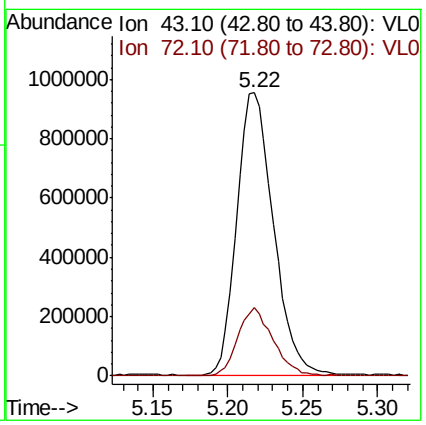


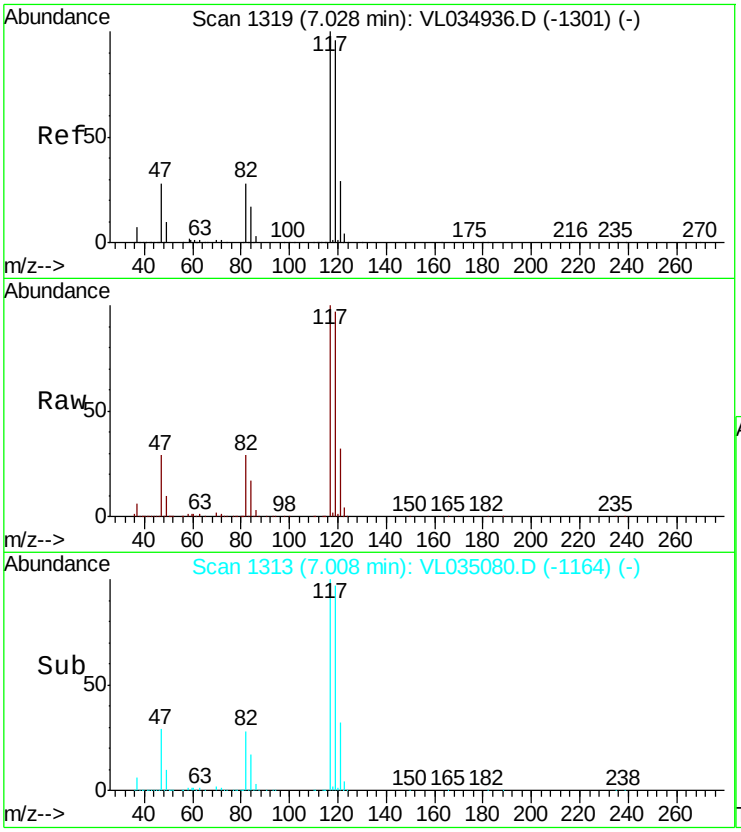


#34
2-Butanone
Concen: 10.224 ppbv
RT: 5.22 min Scan# 756
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 43 Resp: 1631149

Ion	Ratio	Lower	Upper
43	100		
72	23.2	18.0	27.0



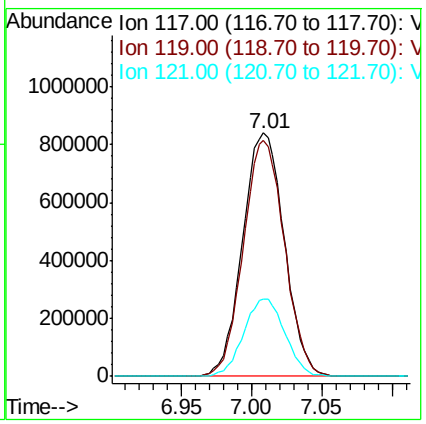


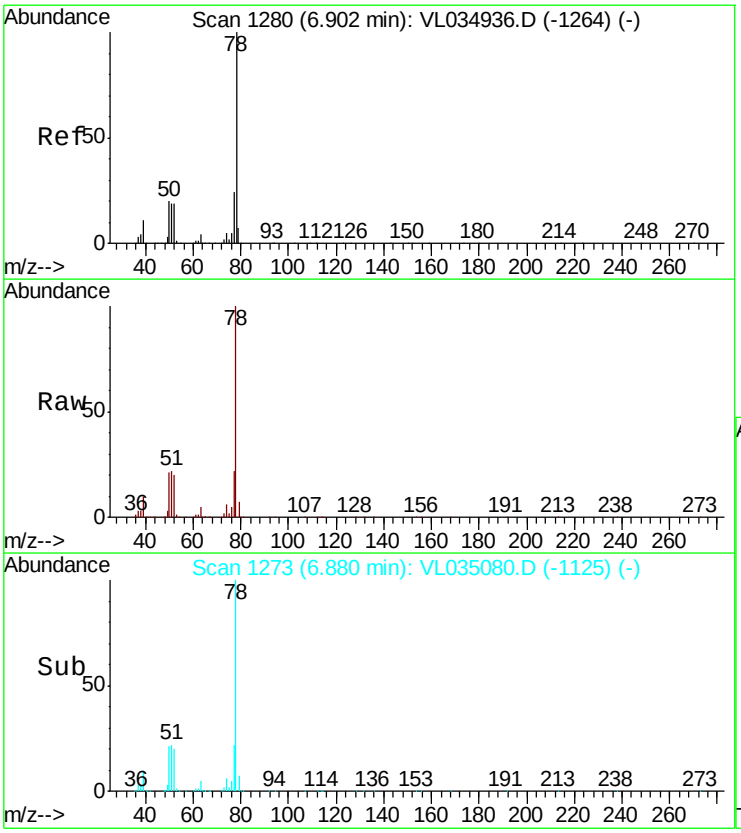
#35
Carbon Tetrachloride
Concen: 10.728 ppbv
RT: 7.01 min Scan# 1313
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion:117 Resp: 1738200

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.0	115.6
121	31.8	23.0	34.6

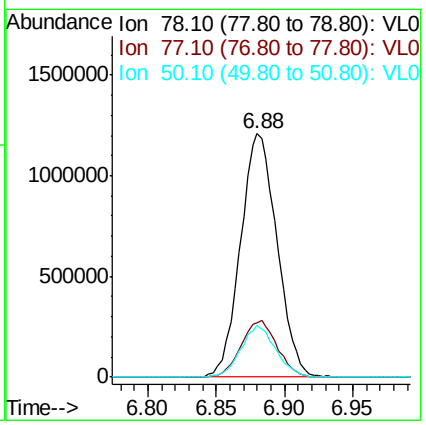


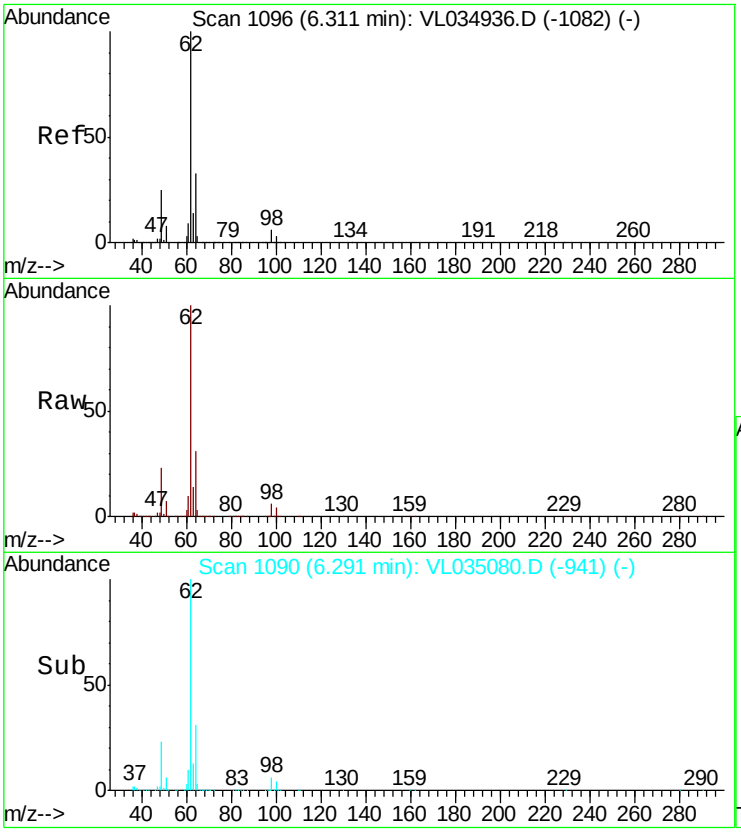


#36
Benzene
Concen: 10.593 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 78 Resp: 2241812

Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.0	28.6
50	21.0	15.8	23.8



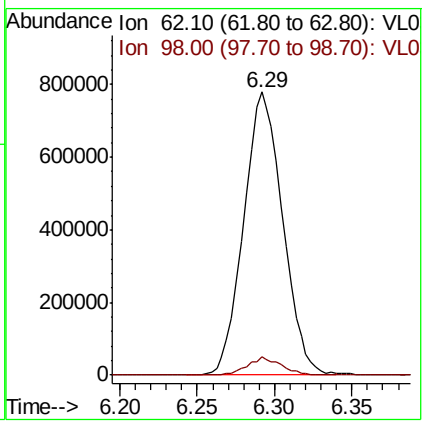


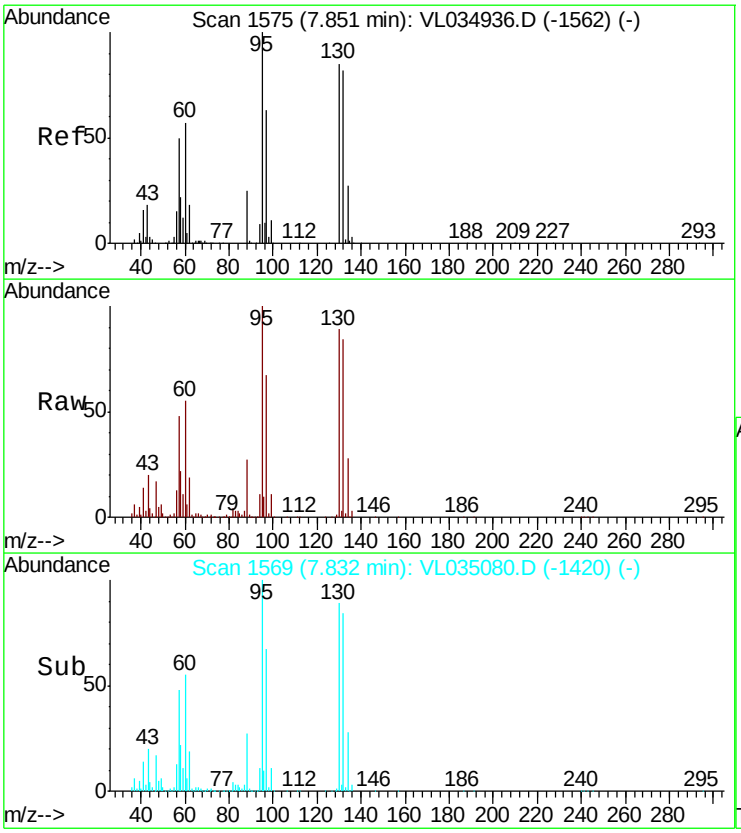
#37
1,2-Dichloroethane
Concen: 10.482 ppbv
RT: 6.29 min Scan# 1090
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 62 Resp: 1368480

Ion	Ratio	Lower	Upper
62	100		
98	5.8	4.8	7.2

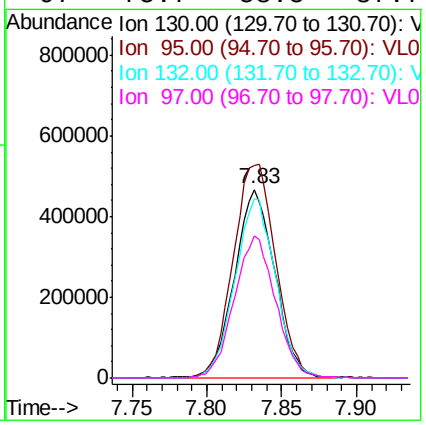


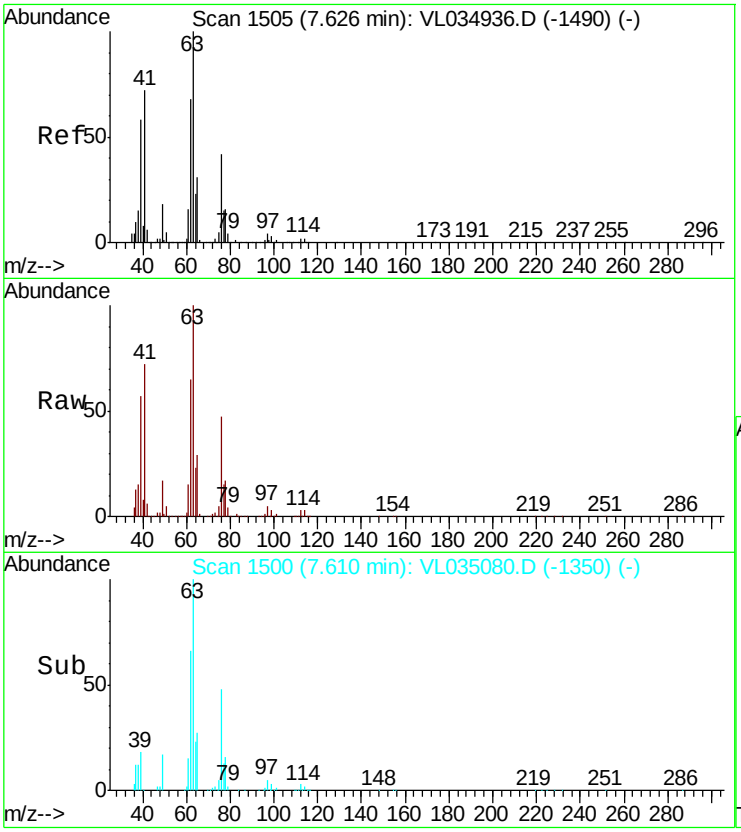


#38
Trichloroethene
Concen: 10.567 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion:130 Resp: 866384

Ion	Ratio	Lower	Upper
130	100		
95	113.0	93.4	140.0
132	95.2	76.4	114.6
97	75.7	58.5	87.7



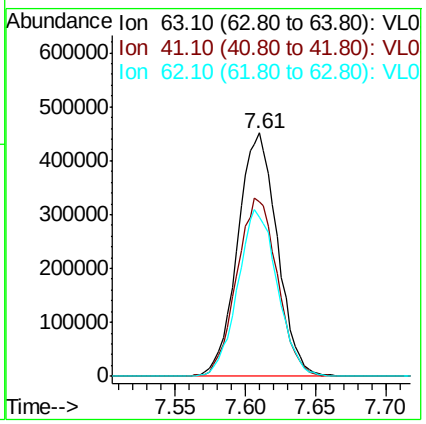


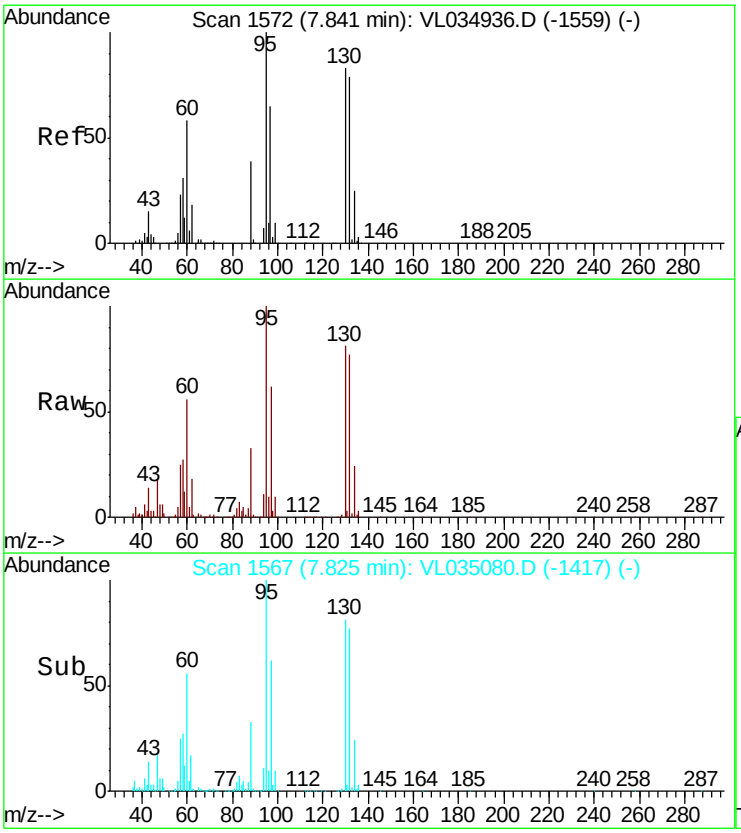
#39
1,2-Dichloropropane
Concen: 10.484 ppbv
RT: 7.61 min Scan# 1500
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 63 Resp: 889501

Ion	Ratio	Lower	Upper
63	100		
41	71.7	57.8	86.8
62	65.5	54.2	81.2

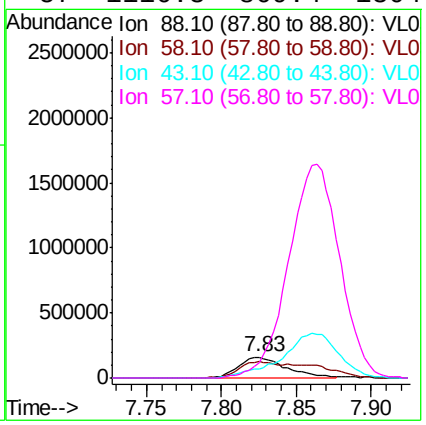


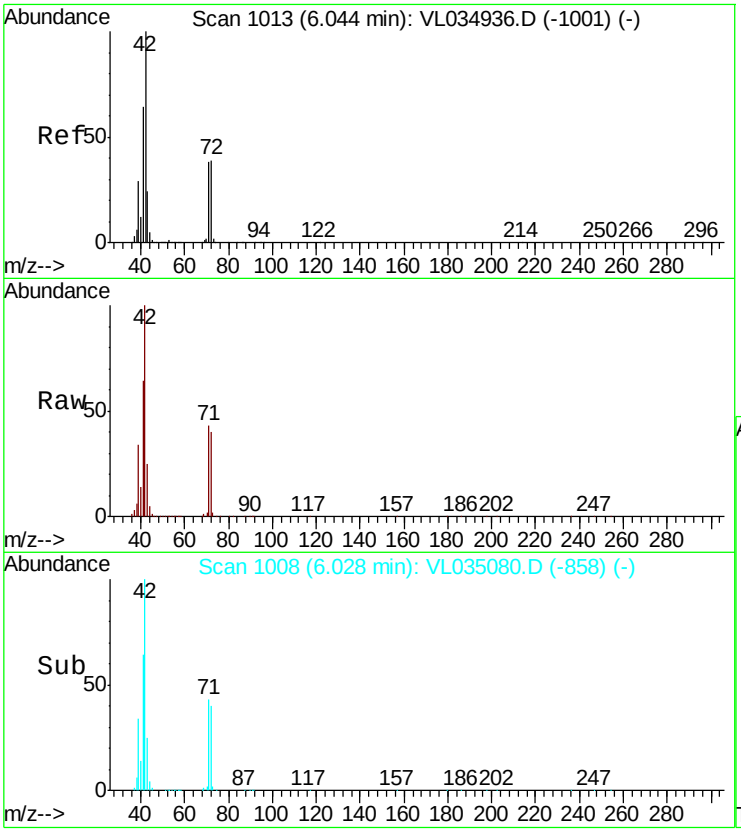


#40
1,4-Dioxane
Concen: 10.127 ppbv
RT: 7.83 min Scan# 1567
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 88 Resp: 349219

Ion	Ratio	Lower	Upper
88	100		
58	131.1	105.1	157.7
43	257.0	202.6	303.8
57	1116.3	869.4	1304.0



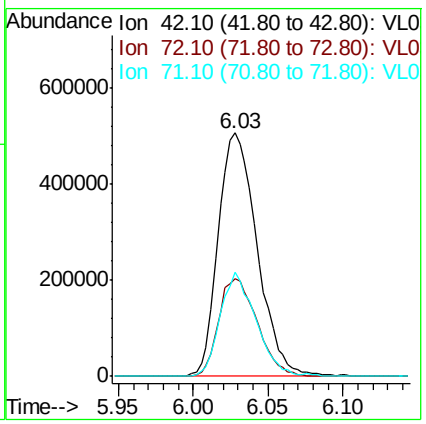


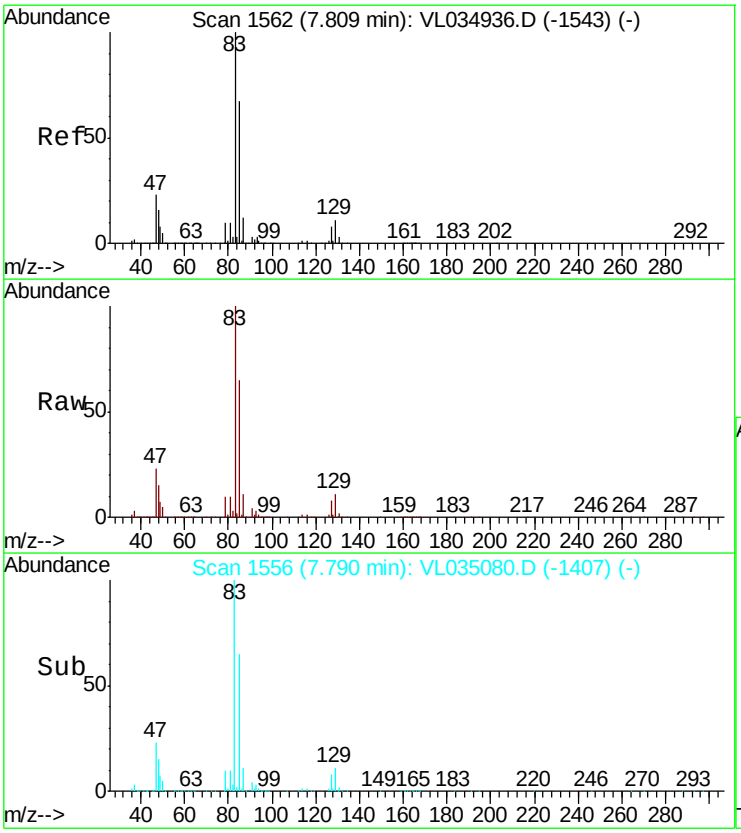
#41
Tetrahydrofuran
Concen: 10.822 ppbv
RT: 6.03 min Scan# 1008
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 42 Resp: 909001

Ion	Ratio	Lower	Upper
42	100		
72	40.4	31.4	47.0
71	39.8	29.8	44.8

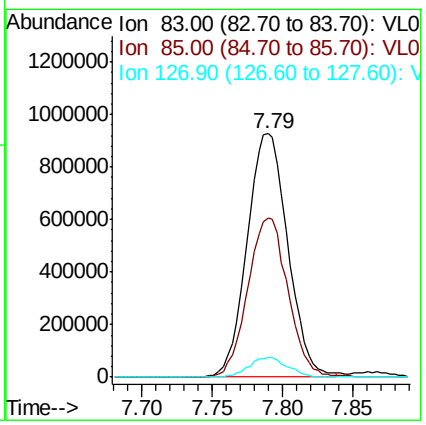


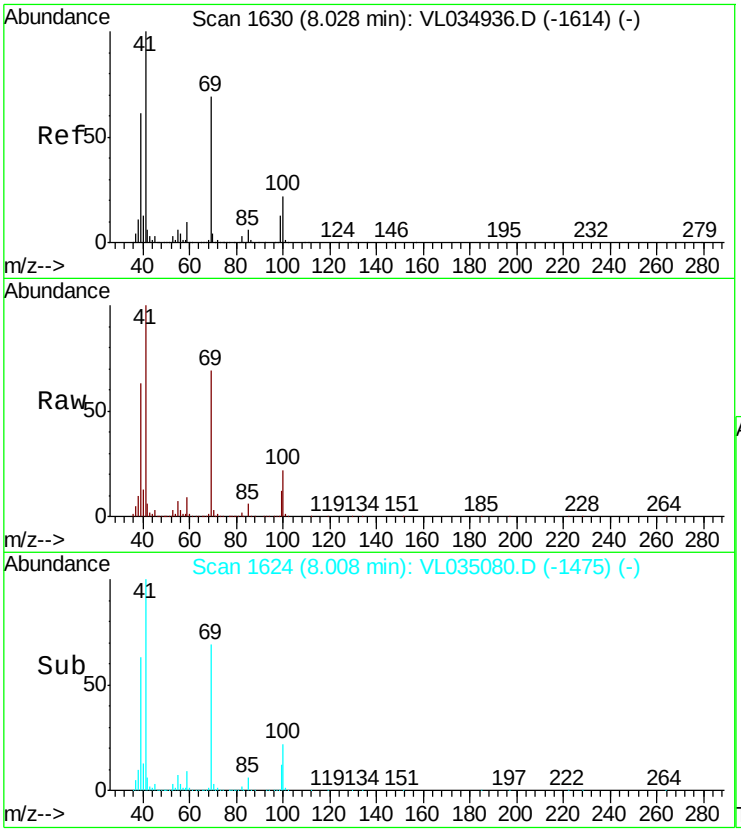


#42
Bromodichloromethane
Concen: 10.618 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 83 Resp: 1869547

Ion	Ratio	Lower	Upper
83	100		
85	65.2	53.4	80.0
127	7.8	6.1	9.1



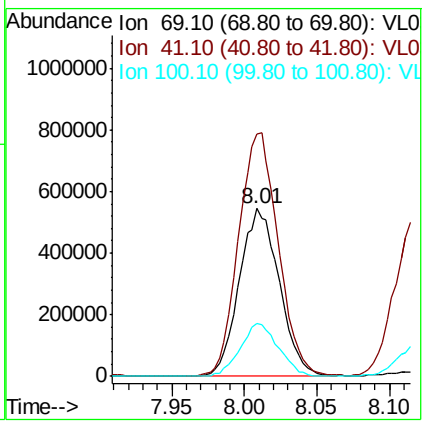


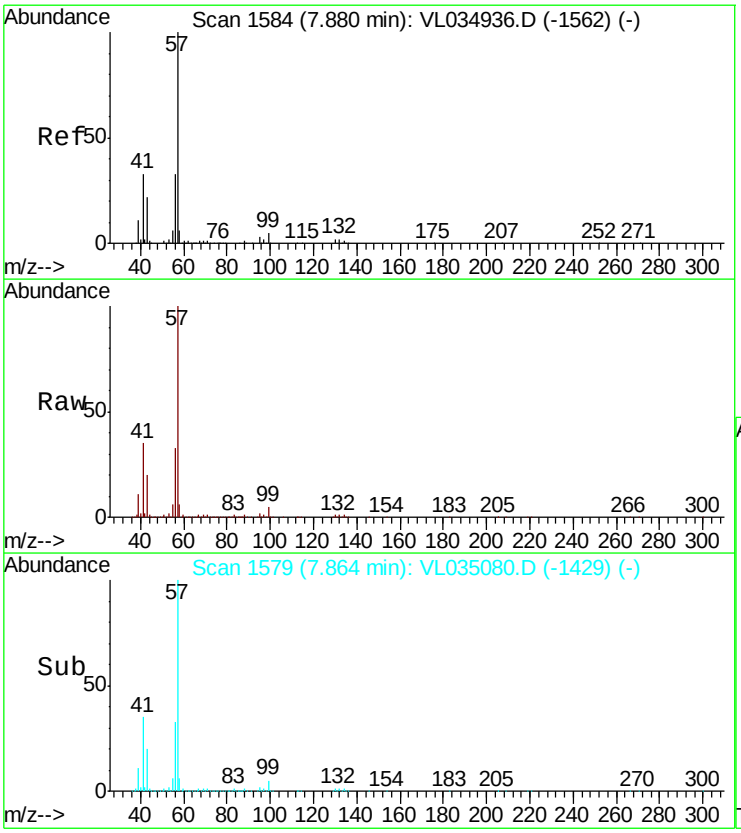
#43
Methyl Methacrylate
Concen: 11.665 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 69 Resp: 1042415

Ion	Ratio	Lower	Upper
69	100		
41	144.1	119.8	179.6
100	30.5	25.0	37.6

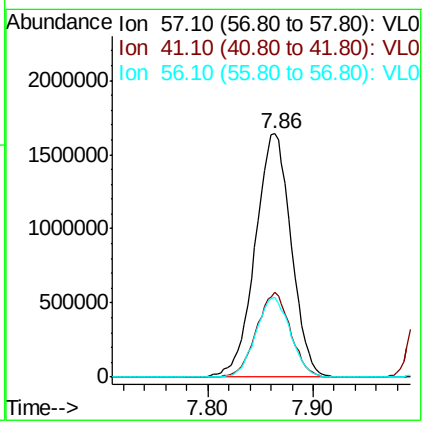


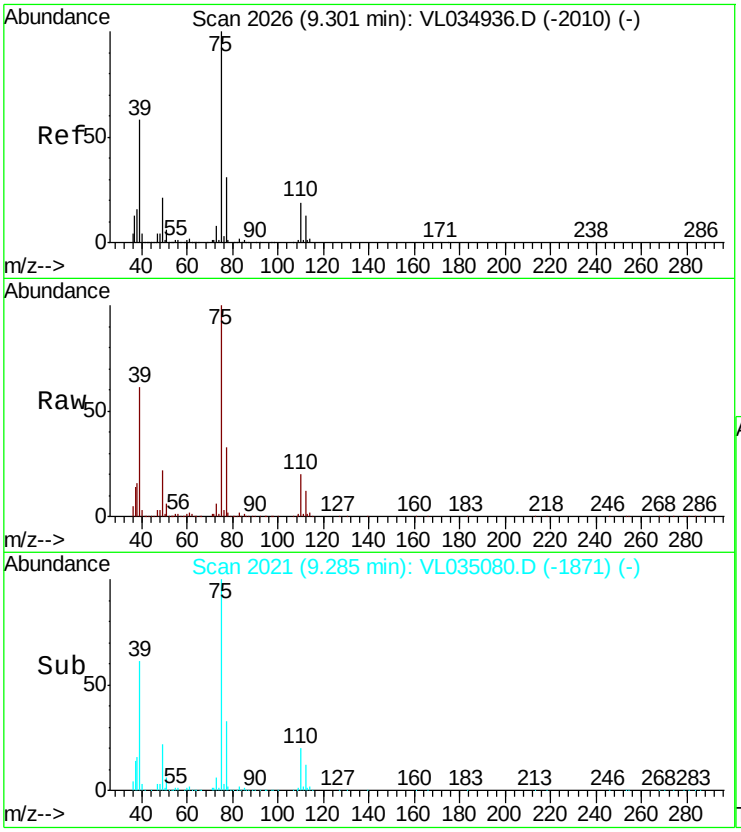


#44
2,2,4-Trimethylpentane
Concen: 10.348 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 57 Resp: 3893628

Ion	Ratio	Lower	Upper
57	100		
41	33.1	26.4	39.6
56	31.5	25.5	38.3



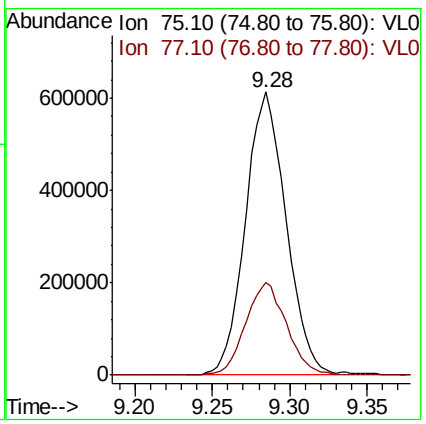


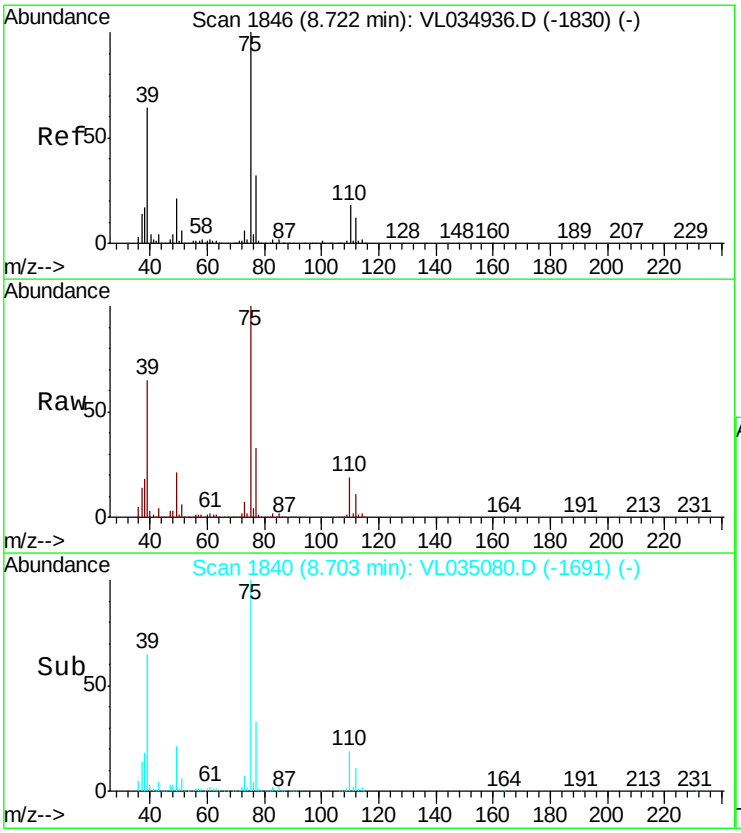
#45
t-1,3-Dichloropropene
Concen: 12.472 ppbv
RT: 9.28 min Scan# 2021
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 75 Resp: 1124821

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.9	37.3

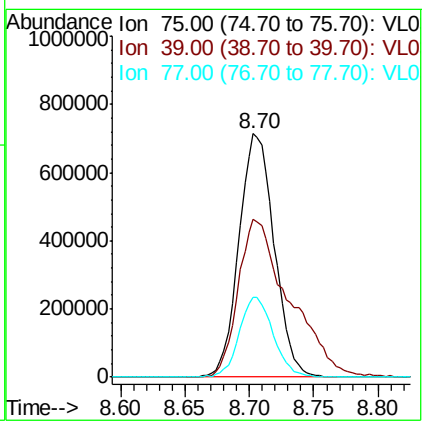


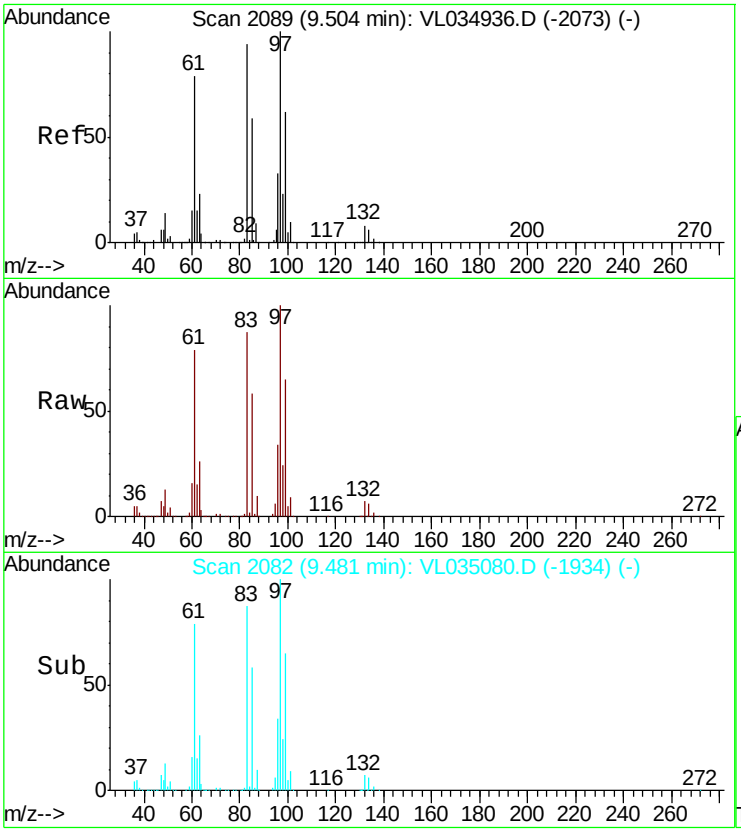


#46
cis-1,3-Dichloropropene
Concen: 12.297 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 75 Resp: 1361557

Ion	Ratio	Lower	Upper
75	100		
39	65.0	51.5	77.3
77	32.9	25.5	38.3



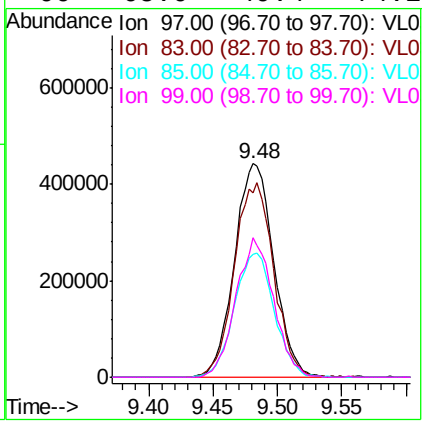


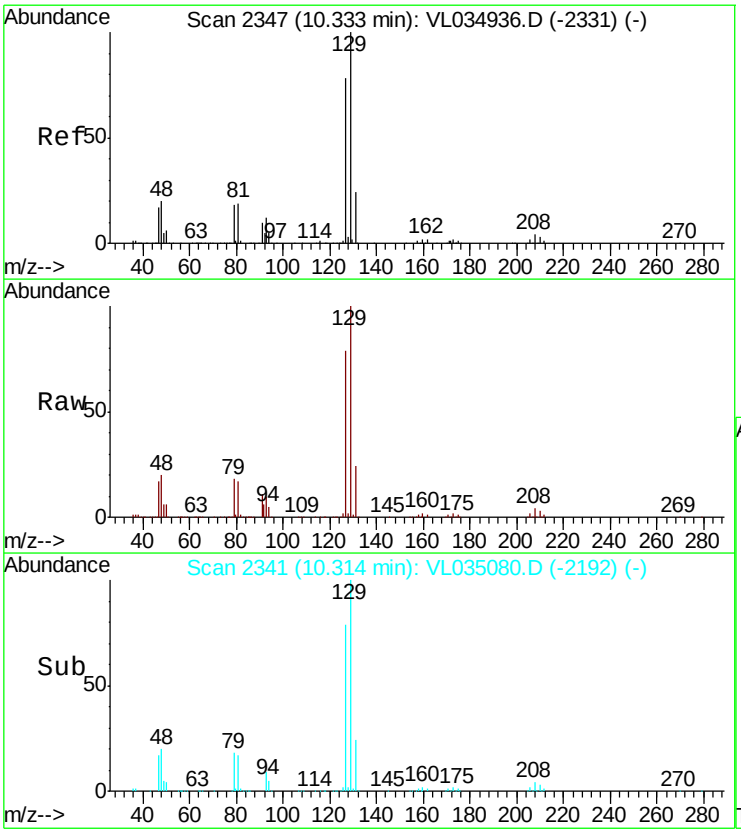
#47
1,1,2-Trichloroethane
Concen: 10.473 ppbv
RT: 9.48 min Scan# 2082
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 97 Resp: 937639

Ion	Ratio	Lower	Upper
97	100		
83	86.5	75.6	113.4
85	57.4	47.0	70.6
99	65.0	49.4	74.2

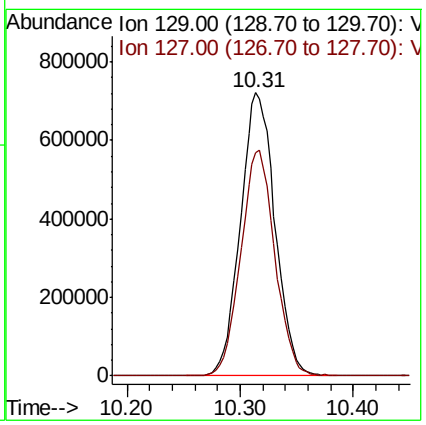


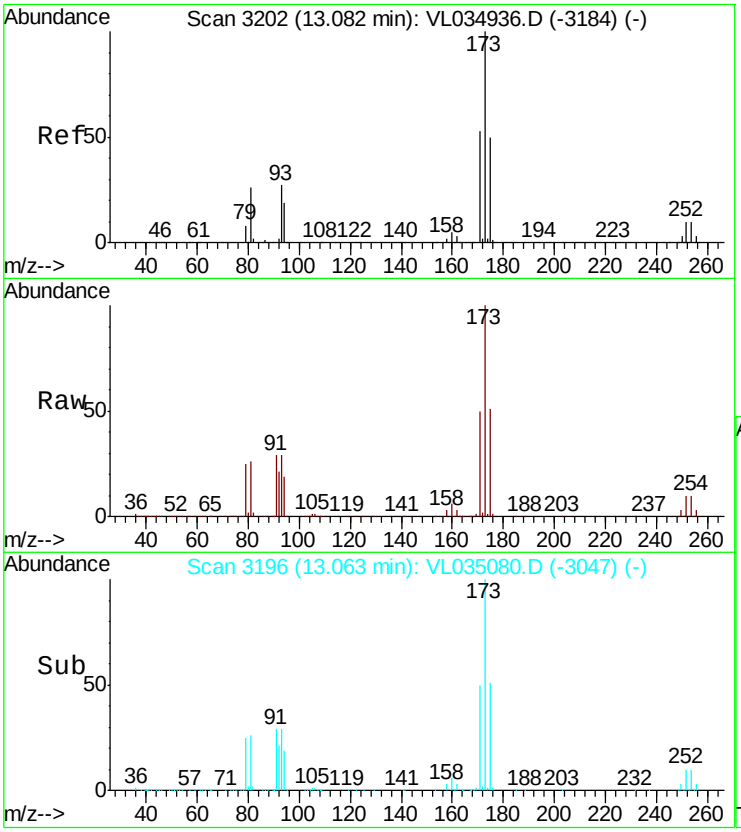


#48
Dibromochloromethane
Concen: 11.133 ppbv
RT: 10.31 min Scan# 2341
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion:129 Resp: 1532747

Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.1	117.2



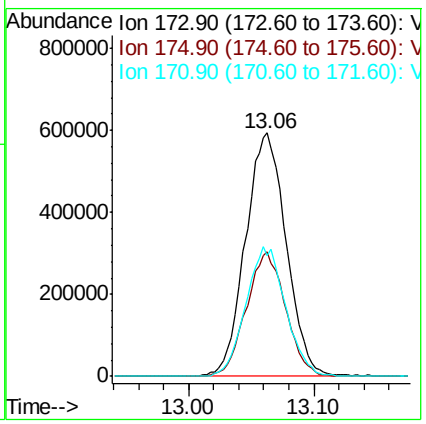


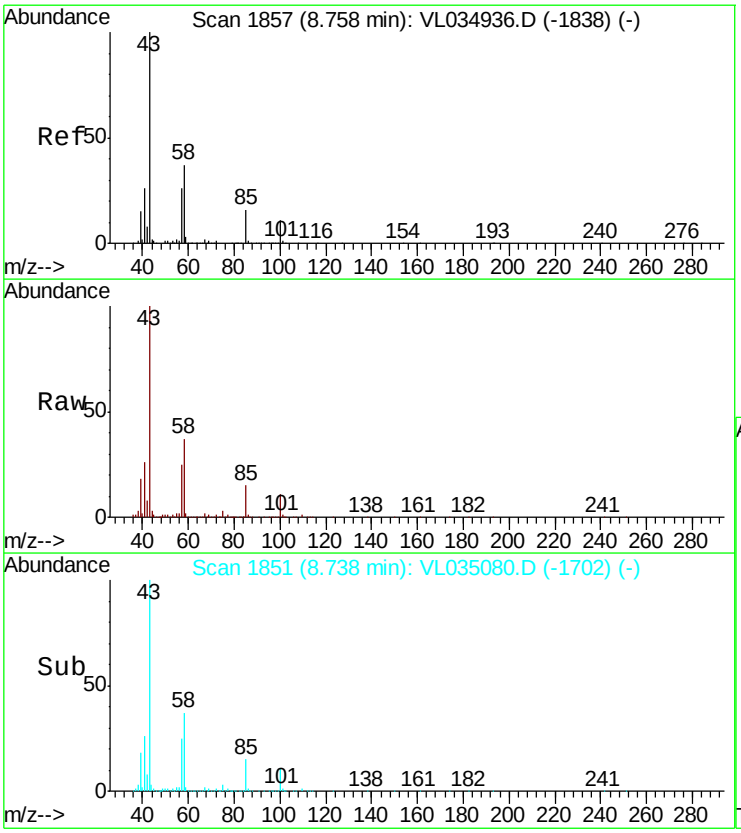
#49
Bromoform
Concen: 11.297 ppbv
RT: 13.06 min Scan# 3196
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion:173 Resp: 1338340

Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.0	58.6
171	51.9	41.4	62.2

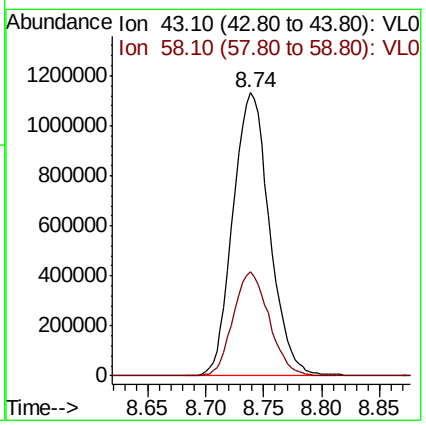


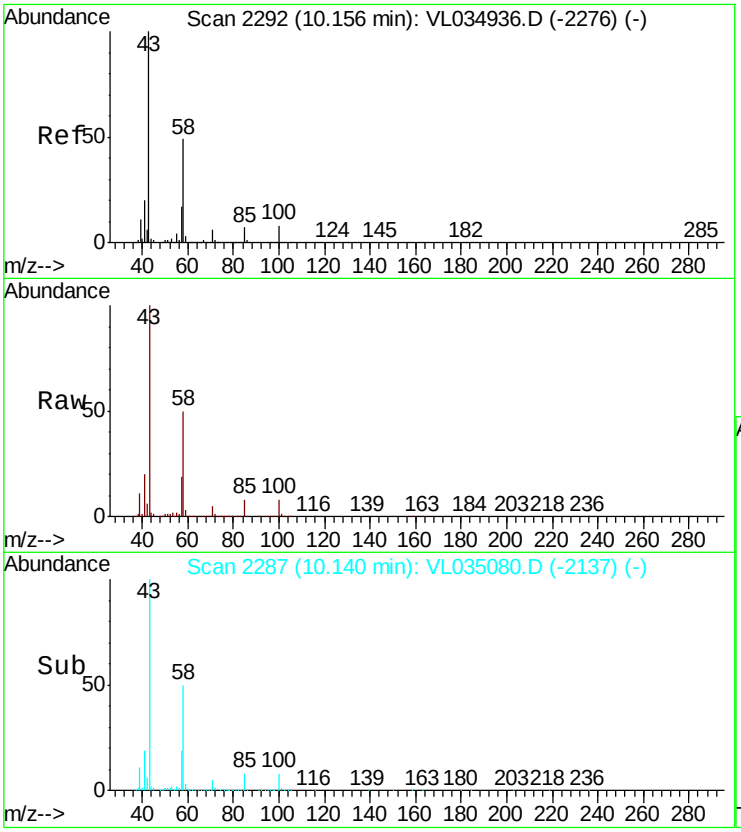


#50
4-Methyl-2-Pentanone
Concen: 10.899 ppbv
RT: 8.74 min Scan# 1851
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 43 Resp: 2479525

Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.1	43.7



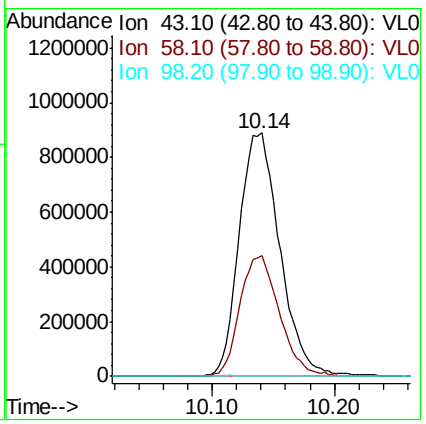


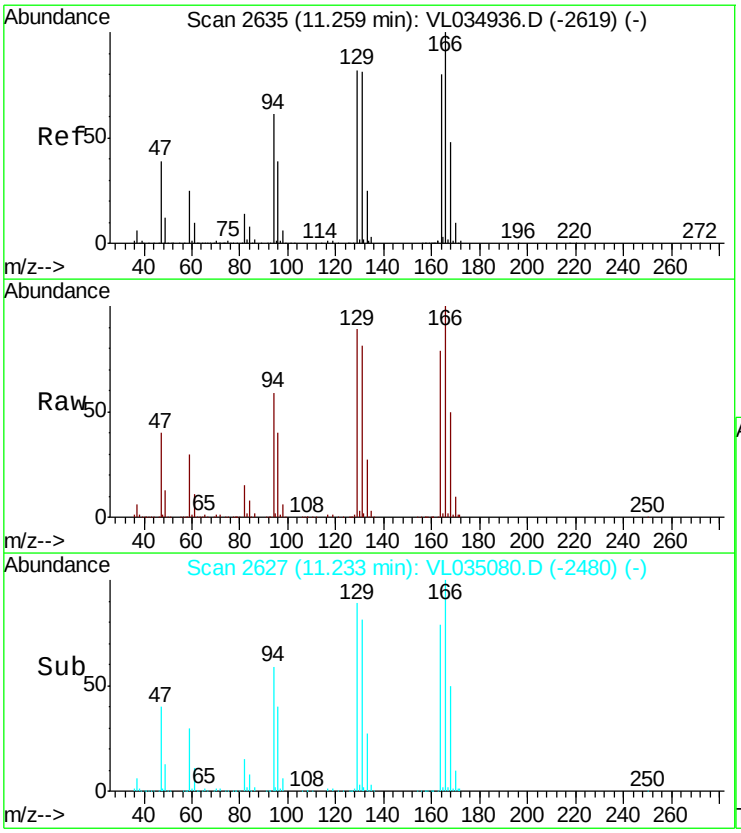
#51
2-Hexanone
Concen: 11.461 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 43 Resp: 2039425

Ion	Ratio	Lower	Upper
43	100		
58	48.4	39.1	58.7
98	0.3	0.3	0.5

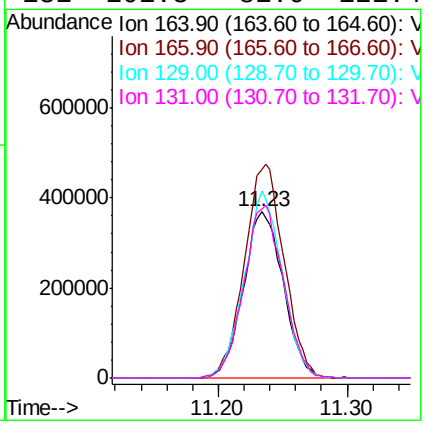


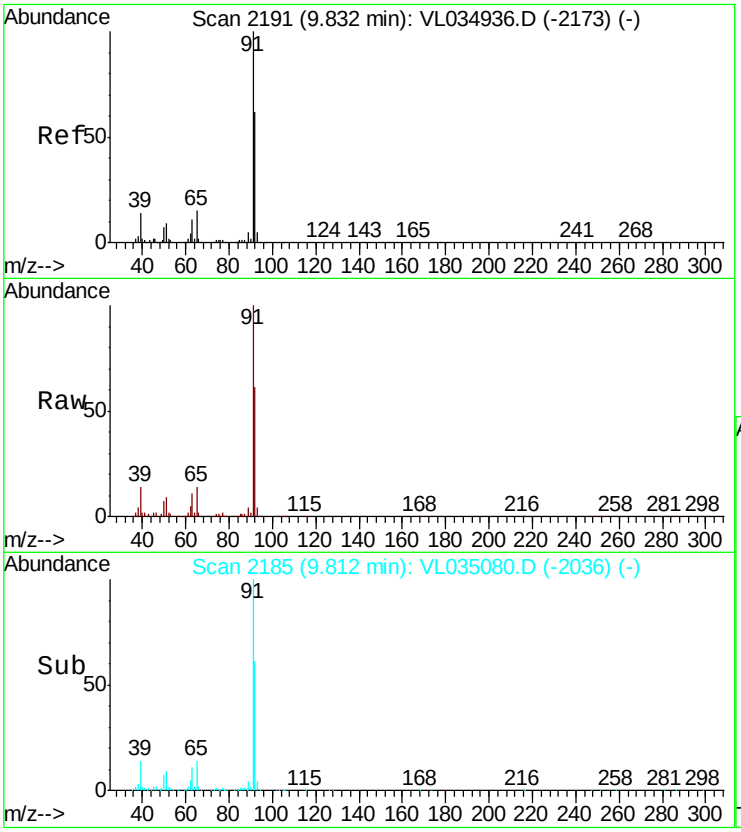


#52
Tetrachloroethene
Concen: 10.545 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. -0.03 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion:164 Resp: 793514

Ion	Ratio	Lower	Upper
164	100		
166	125.7	100.7	151.1
129	112.6	83.0	124.4
131	101.3	81.0	121.4



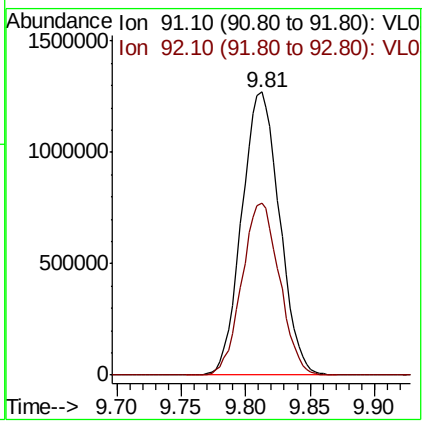


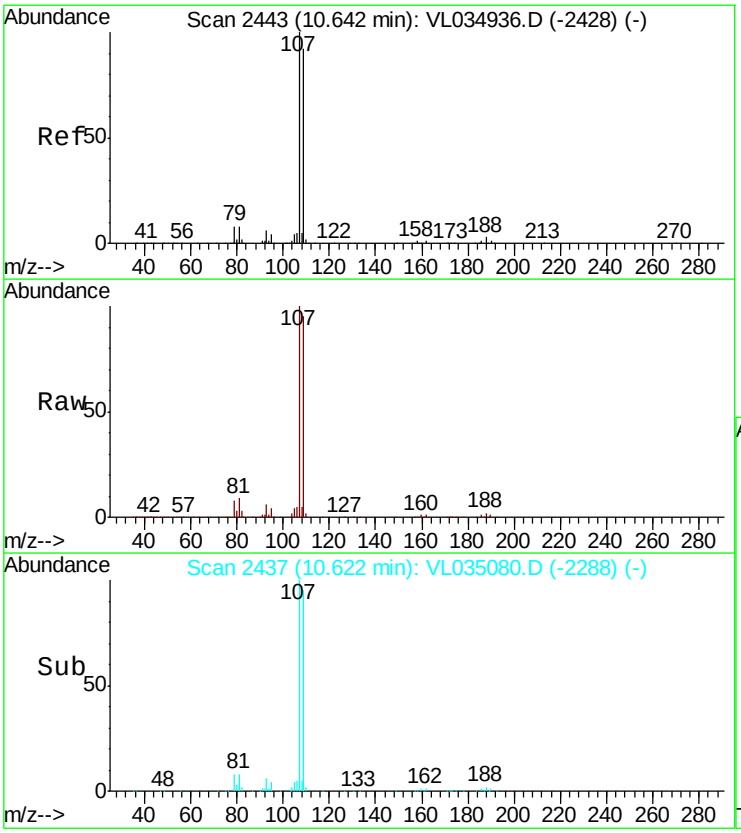
#53
Toluene
Concen: 11.592 ppbv
RT: 9.81 min Scan# 2185
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 91 Resp: 2600589

Ion	Ratio	Lower	Upper
91	100		
92	60.3	48.6	73.0

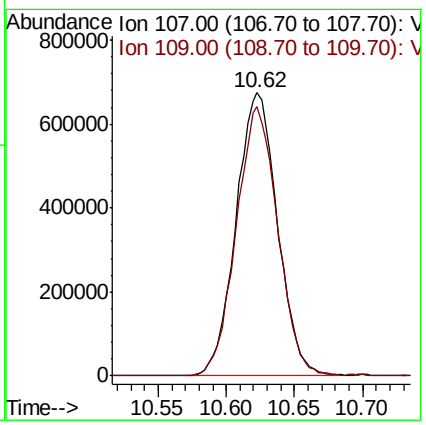


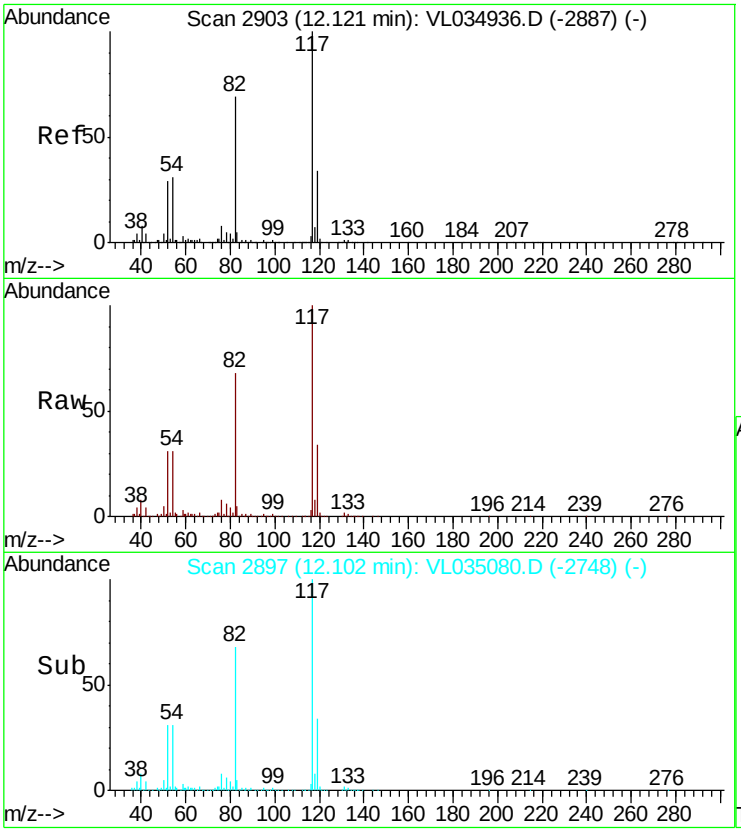


#54
1,2-Dibromoethane
Concen: 10.794 ppbv
RT: 10.62 min Scan# 2437
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion:107 Resp: 1419139

Ion	Ratio	Lower	Upper
107	100		
109	95.0	73.2	109.8



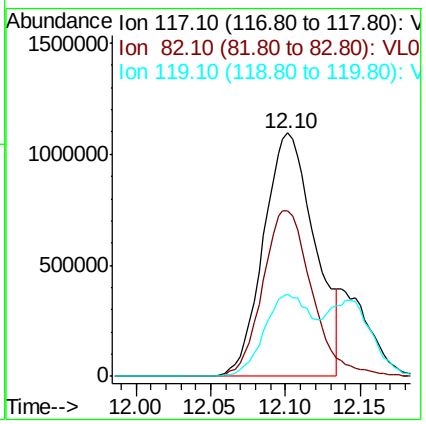


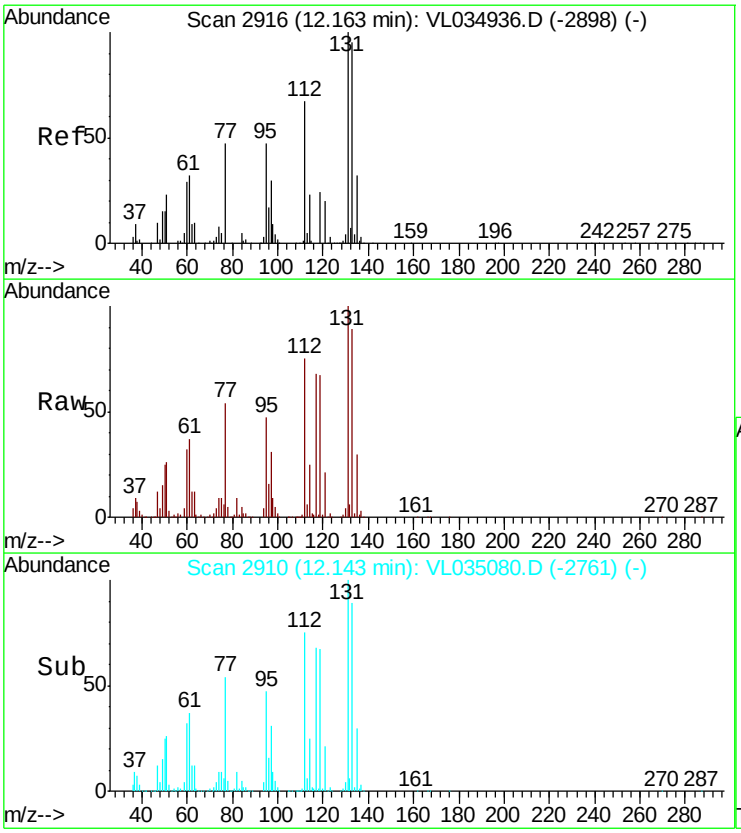
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion:117 Resp: 2609461

Ion	Ratio	Lower	Upper
117	100		
82	65.6	53.1	79.7
119	30.4	26.7	40.1

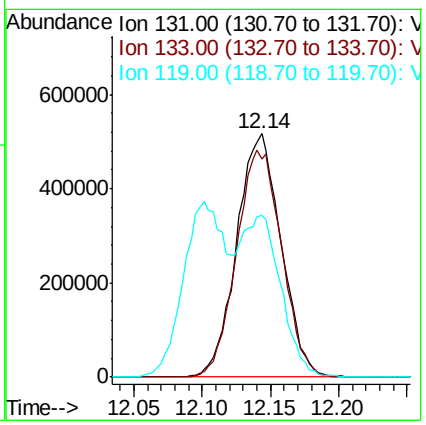


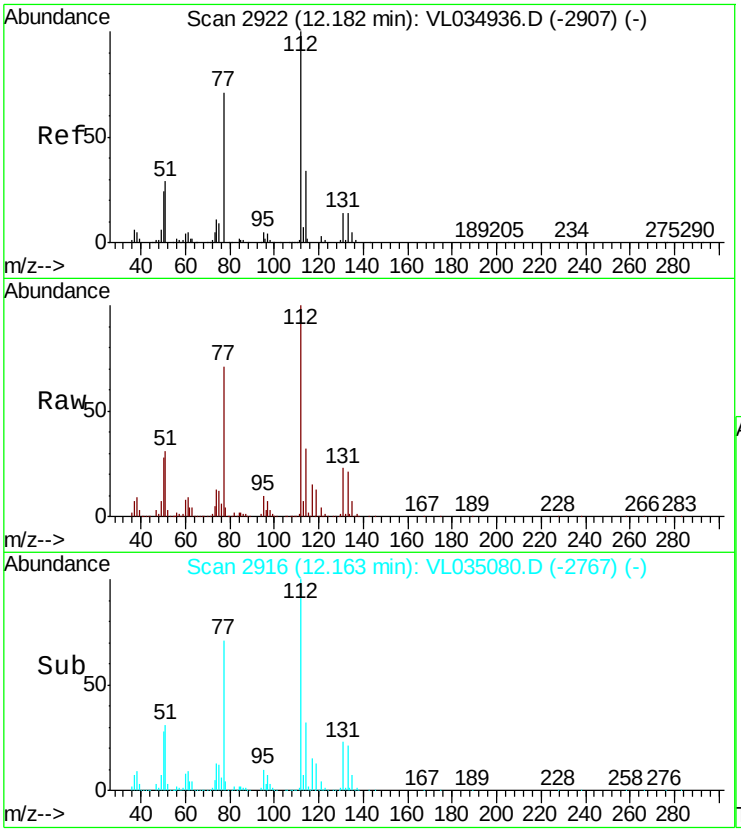


#56
1,1,1,2-Tetrachloroethane
Concen: 9.837 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion:131 Resp: 1157641

Ion	Ratio	Lower	Upper
131	100		
133	96.2	77.7	116.5
119	68.1	49.8	74.6



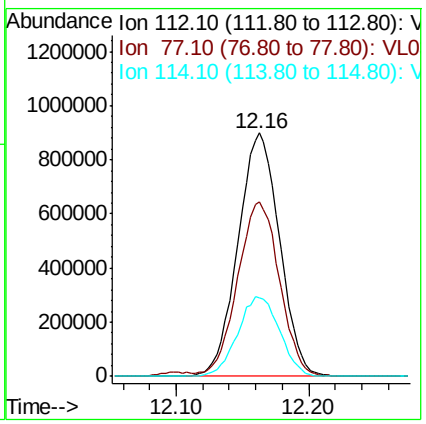


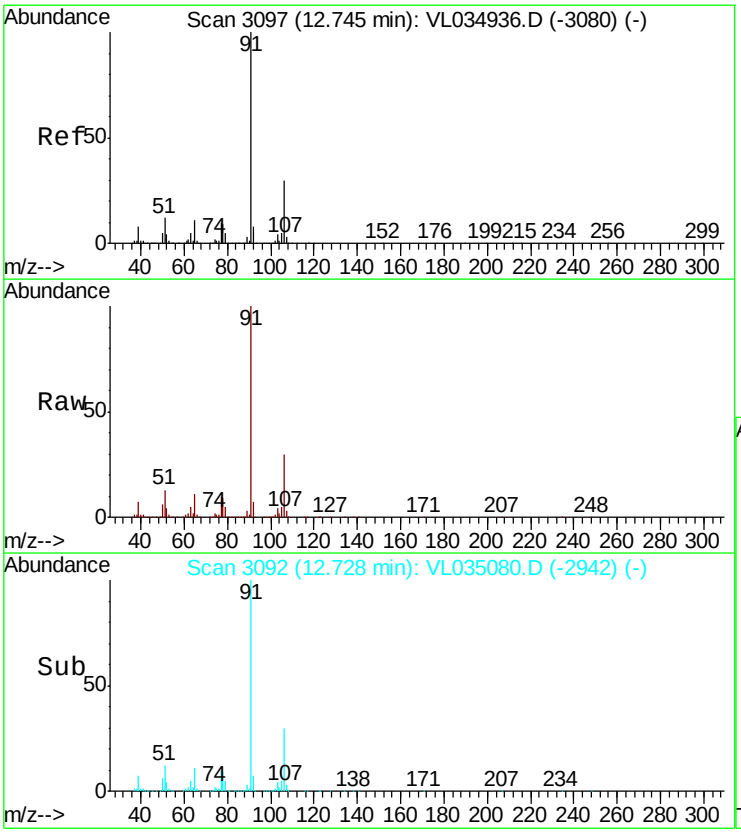
#57
Chlorobenzene
Concen: 9.430 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion:112 Resp: 1949377

Ion	Ratio	Lower	Upper
112	100		
77	71.4	57.0	85.6
114	32.1	30.8	37.6

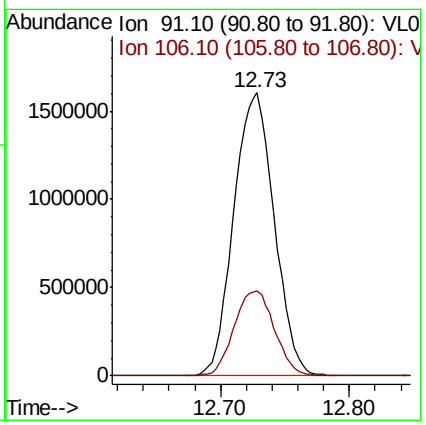


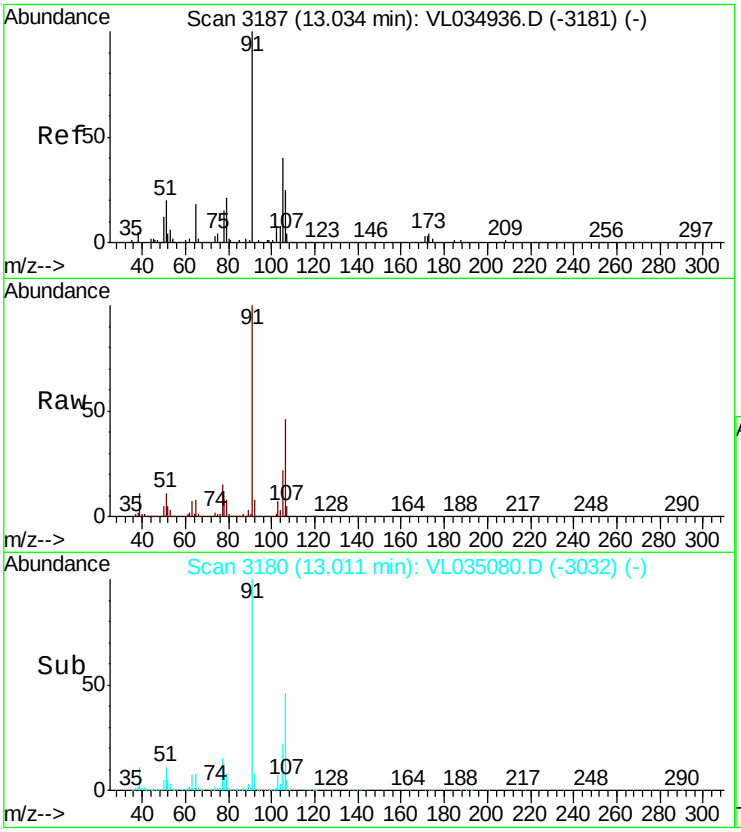


#58
Ethyl Benzene
Concen: 10.836 ppbv
RT: 12.73 min Scan# 3092
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 91 Resp: 3496668

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.2	36.4



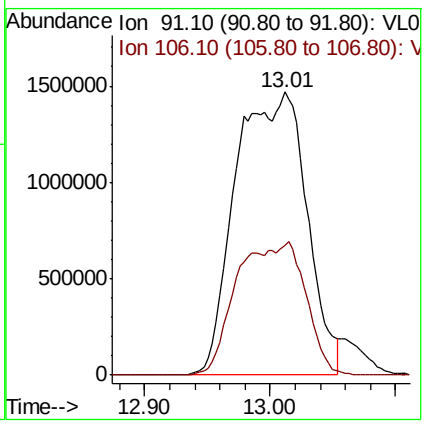


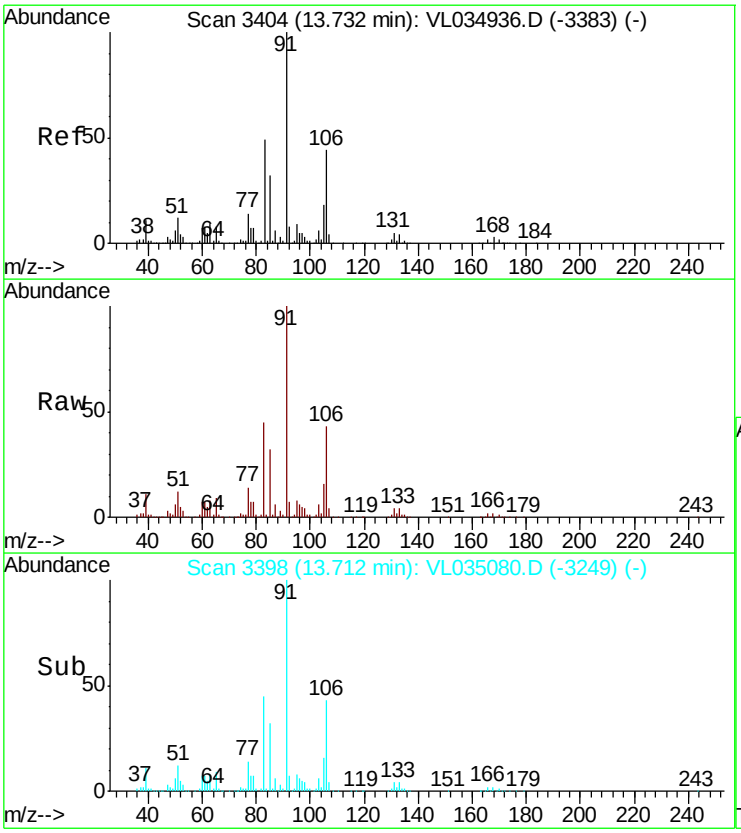
#59
m/p-Xylene
Concen: 20.305 ppbv m
RT: 13.01 min Scan# 3180
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 91 Resp: 5764847

Ion	Ratio	Lower	Upper
91	100		
106	45.8	66.0	99.0#

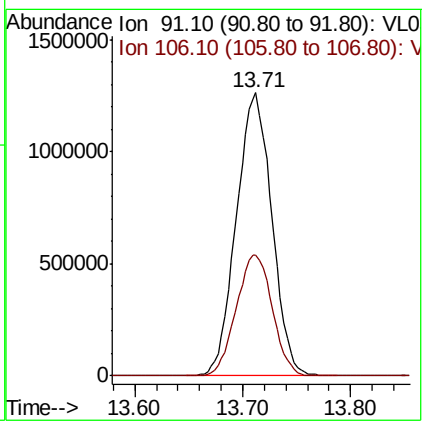


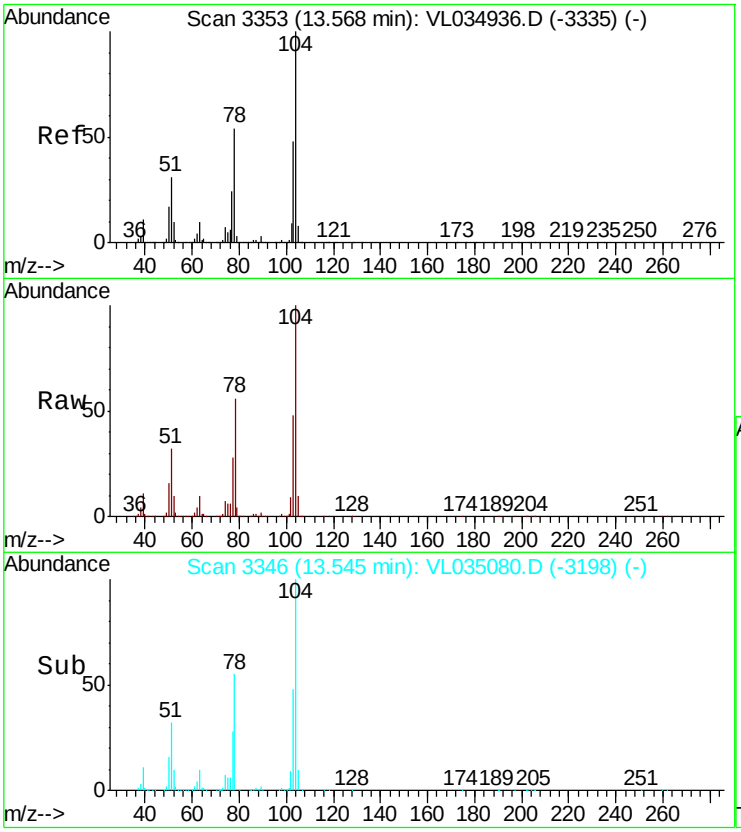


#60
o-Xylene
Concen: 10.268 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 91 Resp: 2876495

Ion	Ratio	Lower	Upper
91	100		
106	43.5	21.9	65.5



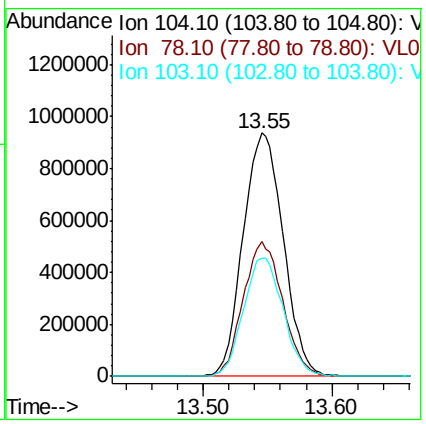


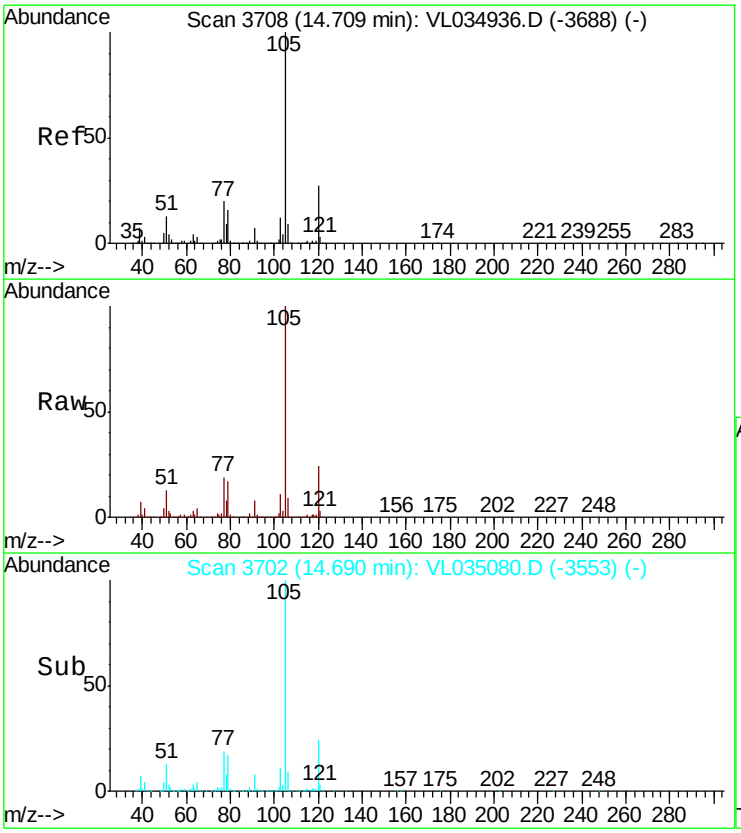
#61
Stvrene
Concen: 11.459 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion:104 Resp: 2031548

Ion	Ratio	Lower	Upper
104	100		
78	54.7	43.7	65.5
103	48.3	38.8	58.2

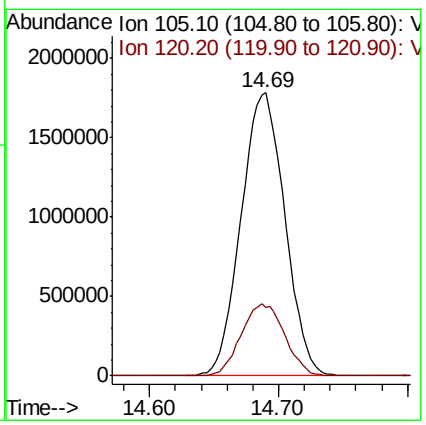


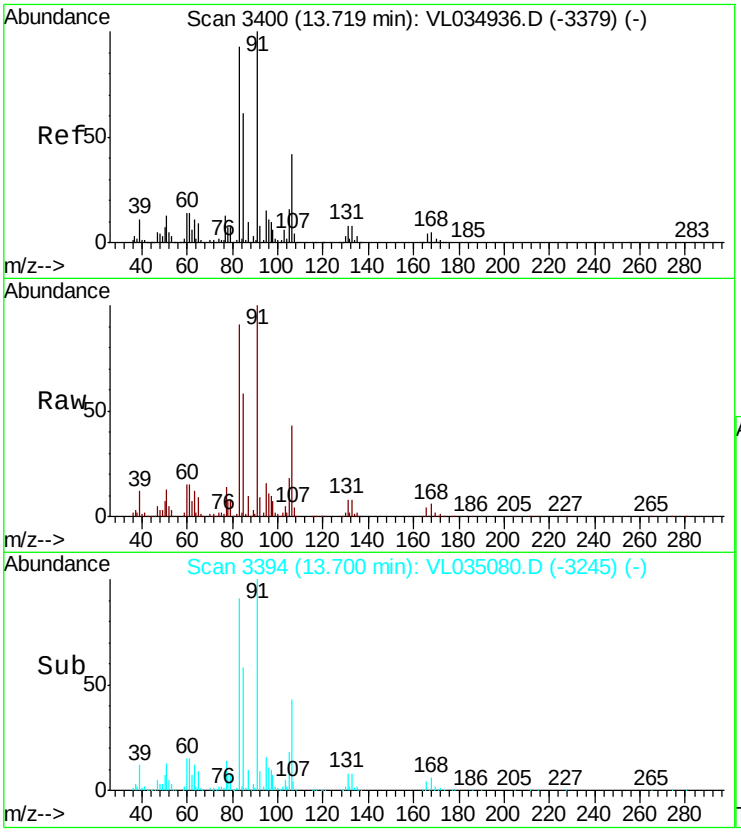


#62
Isopropylbenzene
Concen: 10.080 ppbv
RT: 14.69 min Scan# 3702
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion:105 Resp: 4216224

Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.6	31.0



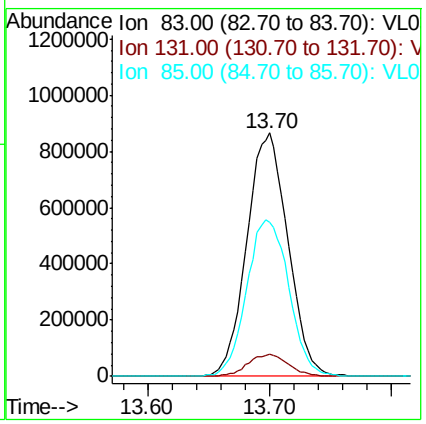


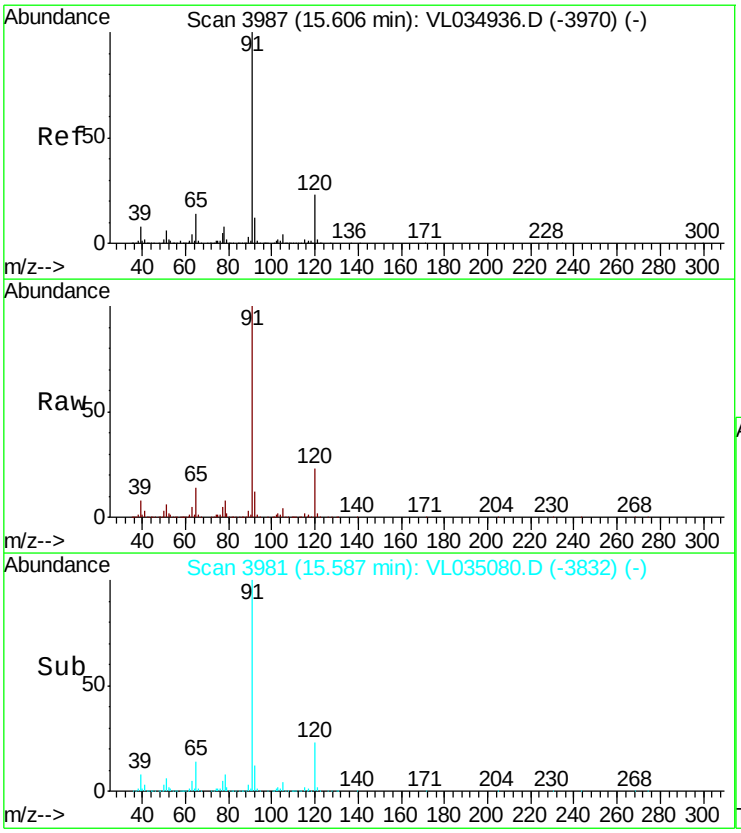
#63
1,1,2,2-Tetrachloroethane
Concen: 9.138 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion: 83 Resp: 2015099

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.7	14.0
85	66.1	32.5	97.4

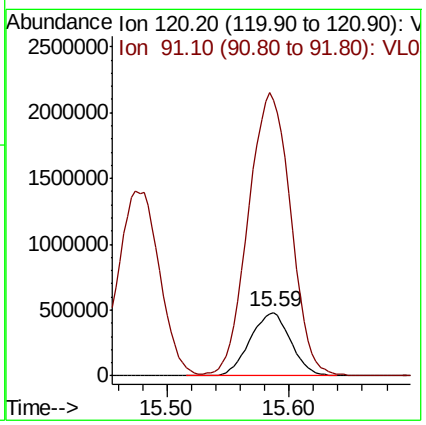


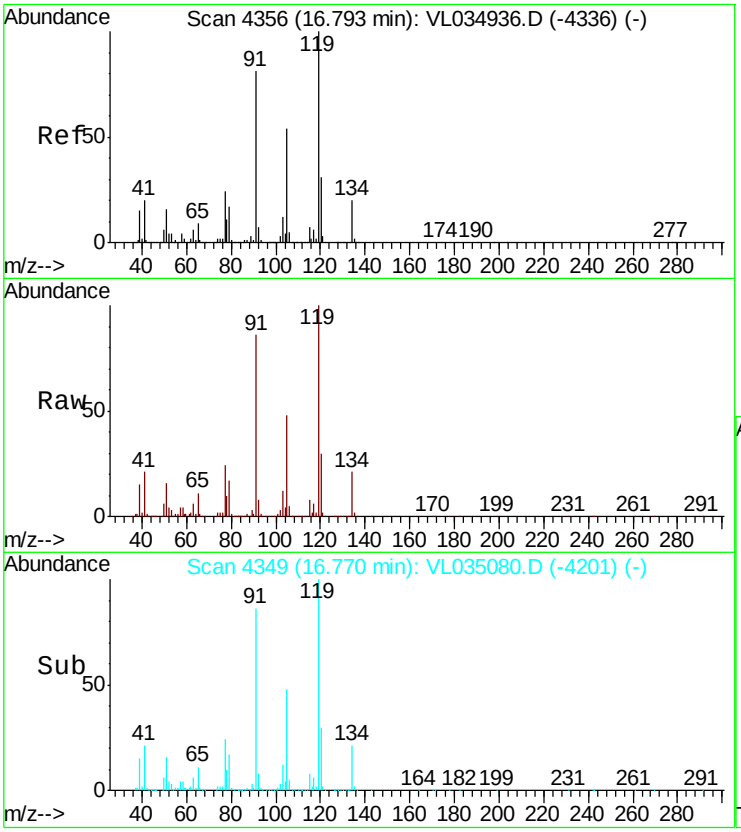


#64
n-propylbenzene
Concen: 10.326 ppbv
RT: 15.59 min Scan# 3981
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion:120 Resp: 1107841

Ion	Ratio	Lower	Upper
120	100		
91	469.5	373.5	560.3



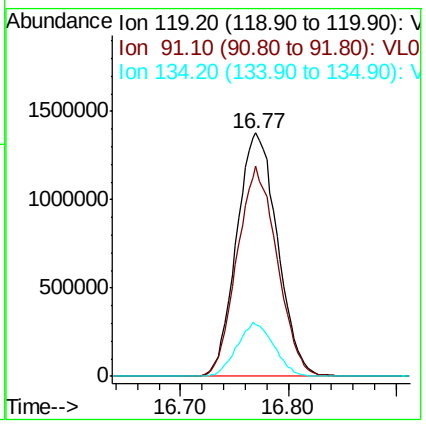


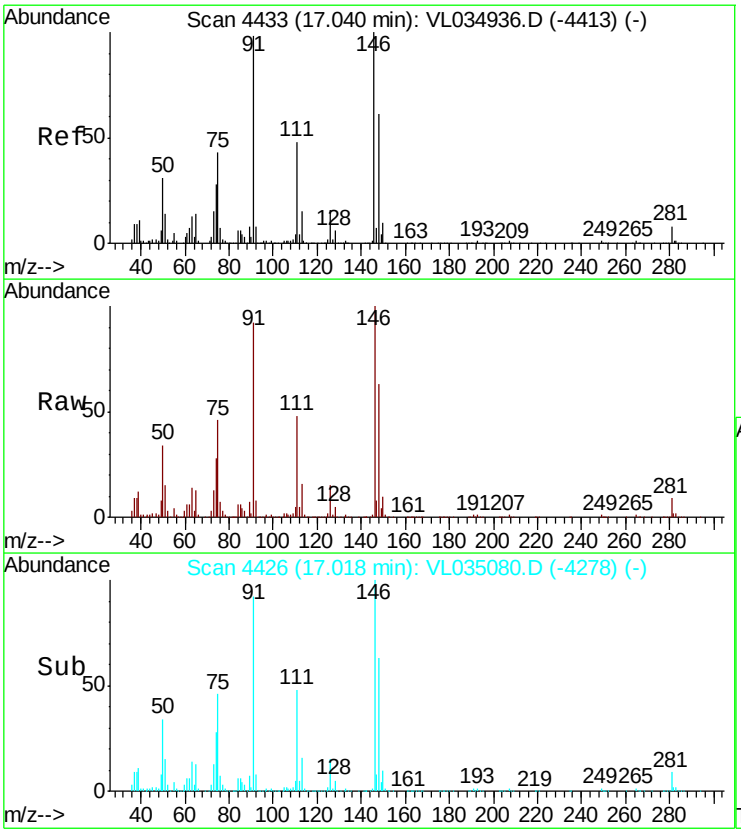
#65
tert-Butylbenzene
Concen: 9.997 ppbv
RT: 16.77 min Scan# 4349
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion:119 Resp: 3626541

Ion	Ratio	Lower	Upper
119	100		
91	84.8	67.5	101.3
134	20.0	16.1	24.1

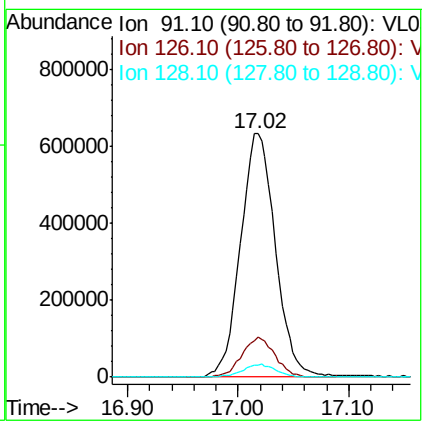


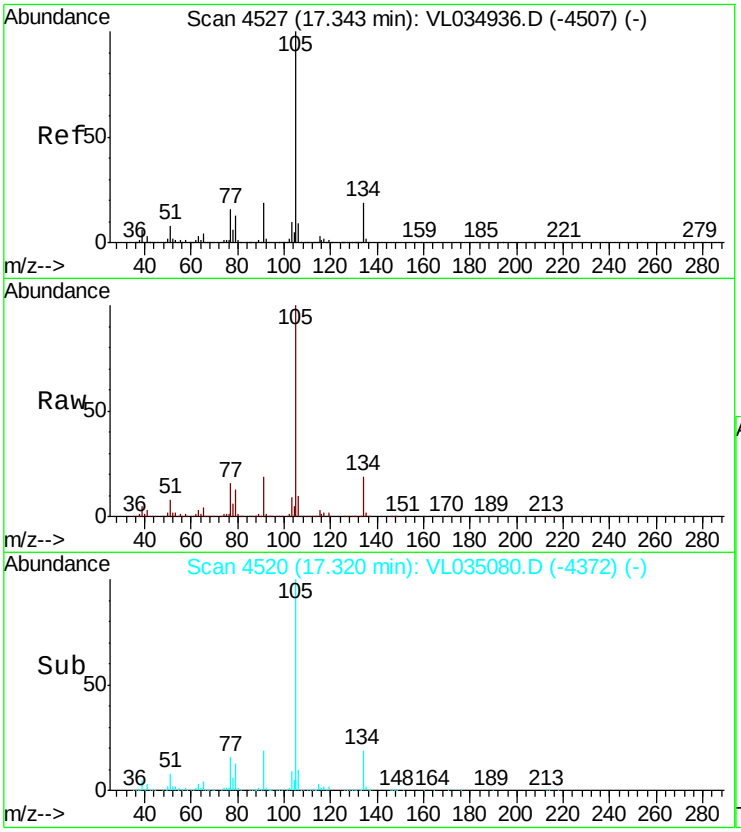


#66
Benzyl Chloride
Concen: 11.240 ppbv
RT: 17.02 min Scan# 4426
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 91 Resp: 1384247

Ion	Ratio	Lower	Upper
91	100		
126	15.6	13.8	20.6
128	5.1	4.3	6.5



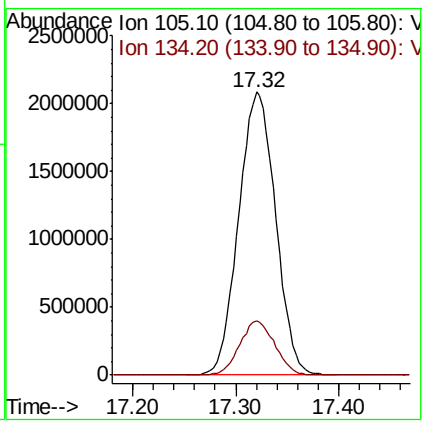


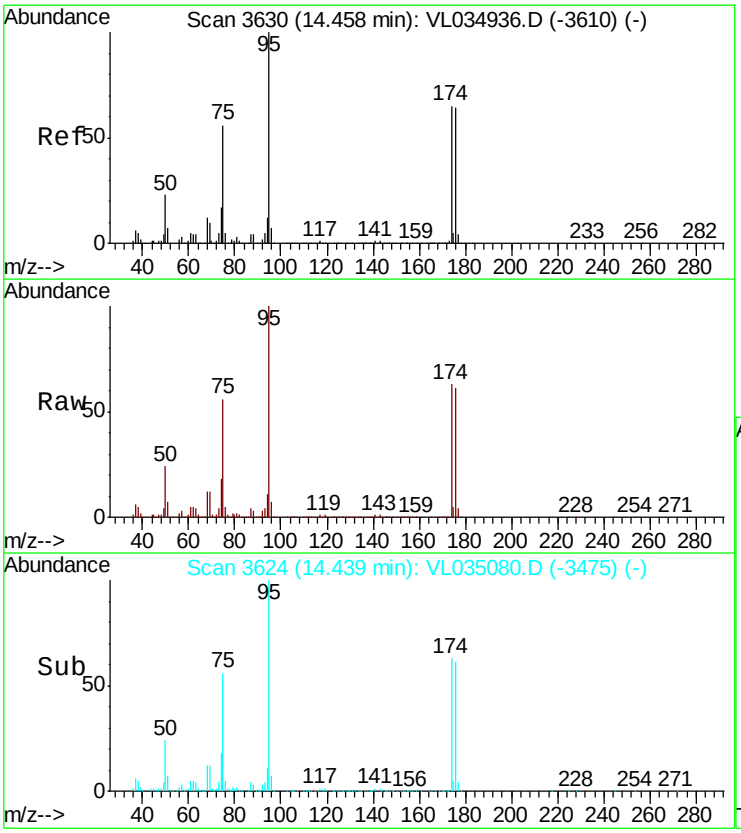
#67
sec-Butylbenzene
Concen: 10.016 ppbv
RT: 17.32 min Scan# 4520
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion:105 Resp: 5186843

Ion	Ratio	Lower	Upper
105	100		
134	18.4	14.8	22.2

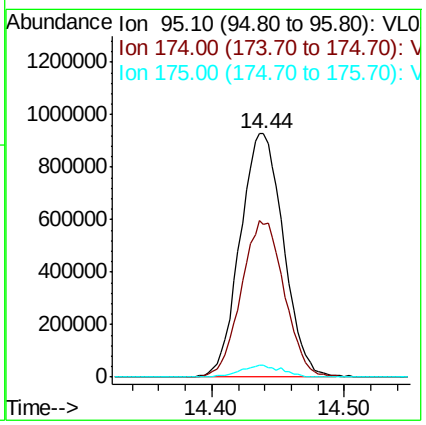


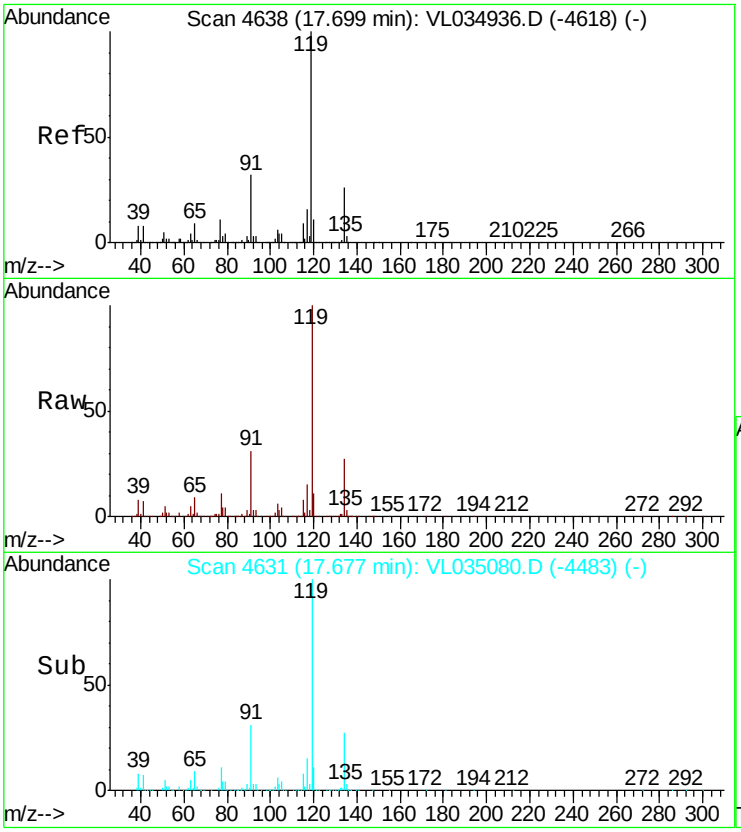


#68
1-Bromo-4-Fluorobenzene
Concen: 9.953 ppbv
RT: 14.44 min Scan# 3624
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 95 Resp: 2102307

Ion	Ratio	Lower	Upper
95	100		
174	63.9	51.5	77.3
175	4.8	3.8	5.8



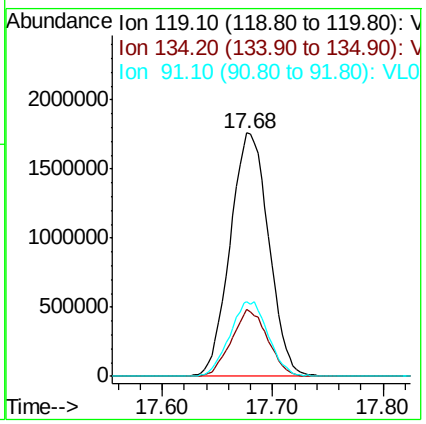


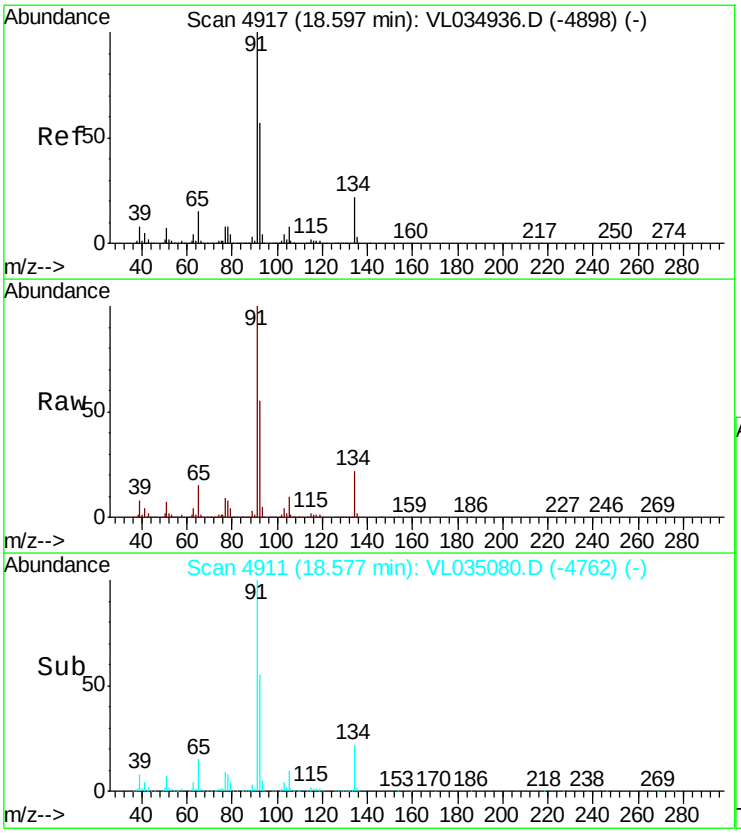
#69
p-Isopropyltoluene
Concen: 10.168 ppbv
RT: 17.68 min Scan# 4631
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion:119 Resp: 4260044

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.3	30.5
91	30.8	24.6	36.8

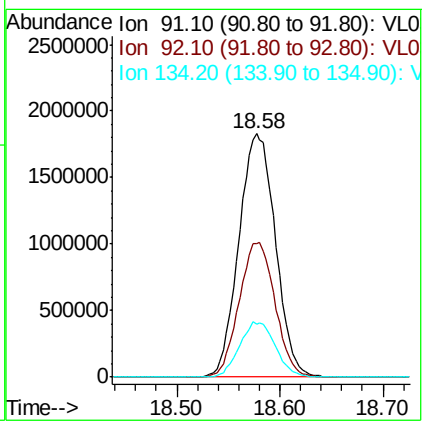


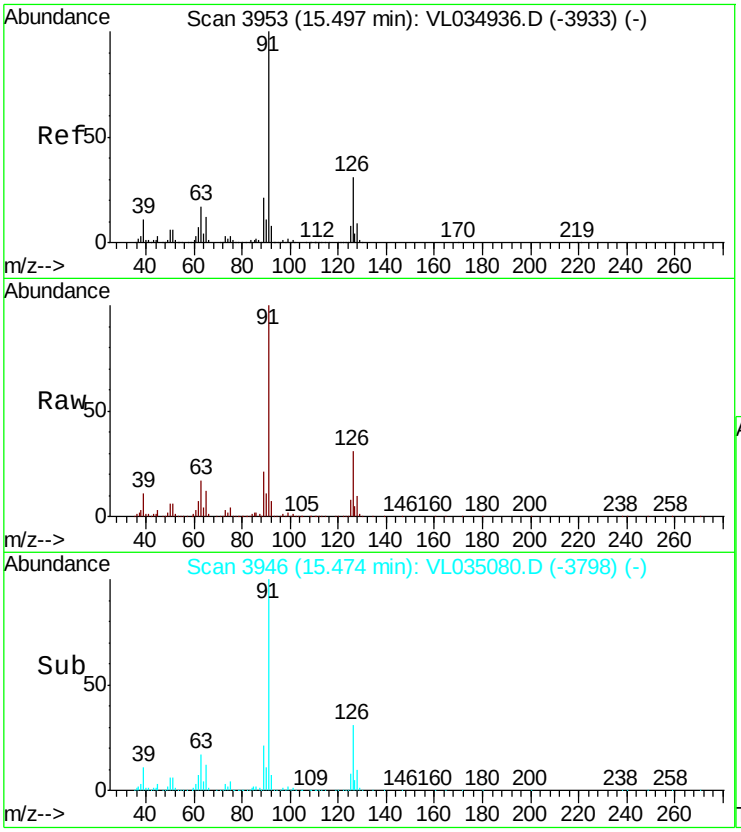


#70
n-Butylbenzene
Concen: 10.104 ppbv
RT: 18.58 min Scan# 4911
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion: 91 Resp: 4505295

Ion	Ratio	Lower	Upper
91	100		
92	54.4	44.4	66.6
134	22.2	18.0	27.0



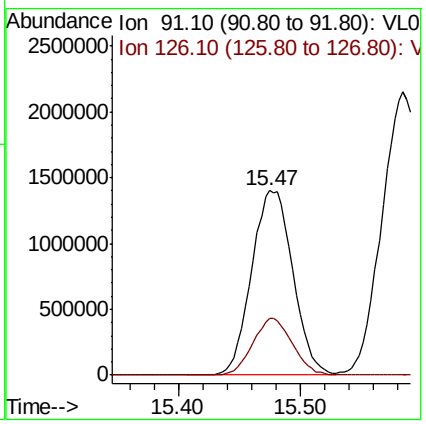


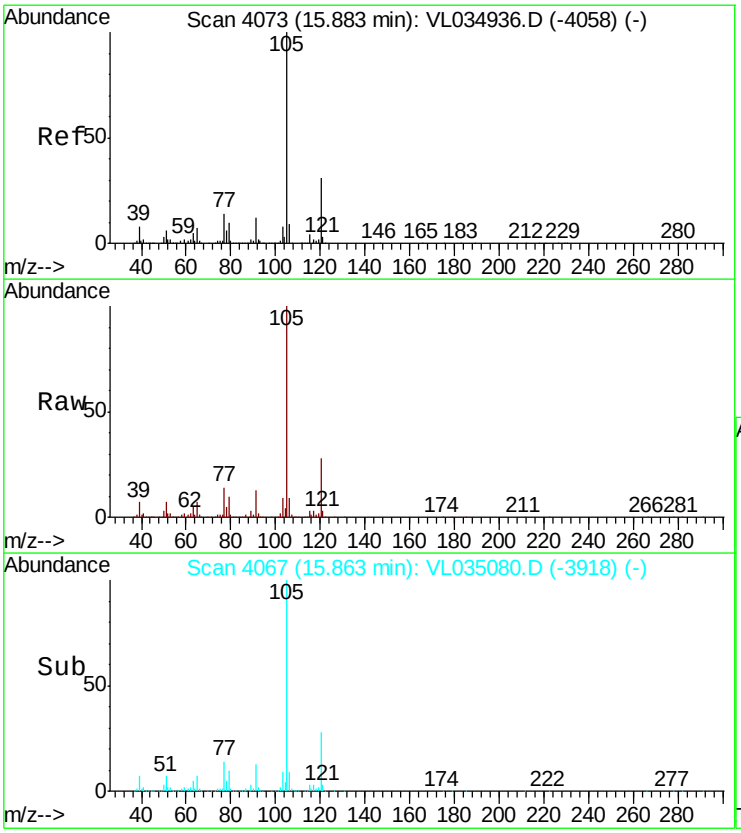
#71
2-Chlorotoluene
Concen: 10.431 ppbv
RT: 15.47 min Scan# 3946
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion: 91 Resp: 3293427

Ion	Ratio	Lower	Upper
91	100		
126	29.6	12.0	47.8

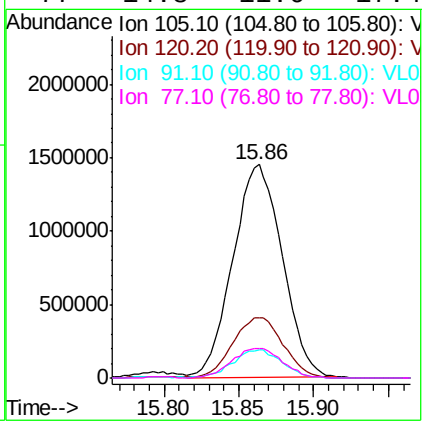


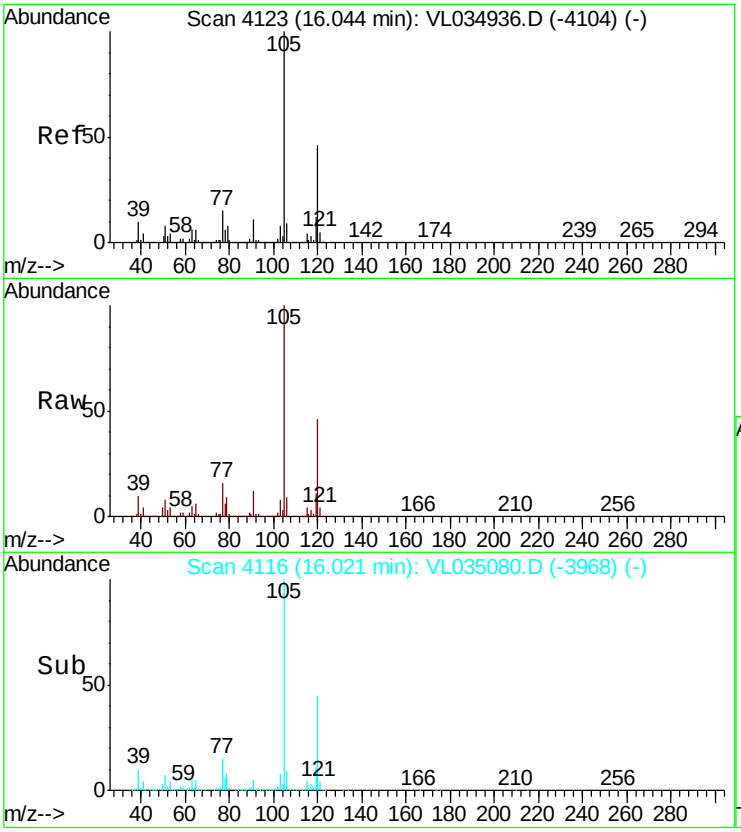


#72
4-Ethyltoluene
Concen: 10.656 ppbv
RT: 15.86 min Scan# 4067
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion:105 Resp: 3330559

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.8	35.8
91	13.8	10.6	15.8
77	14.8	11.6	17.4



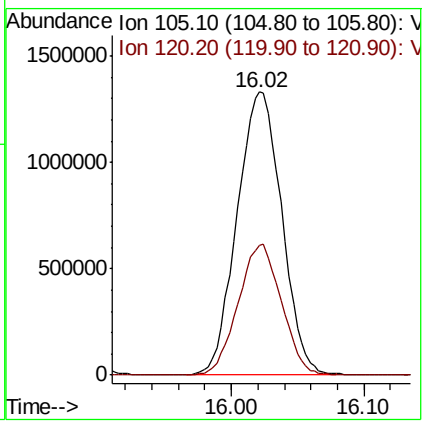


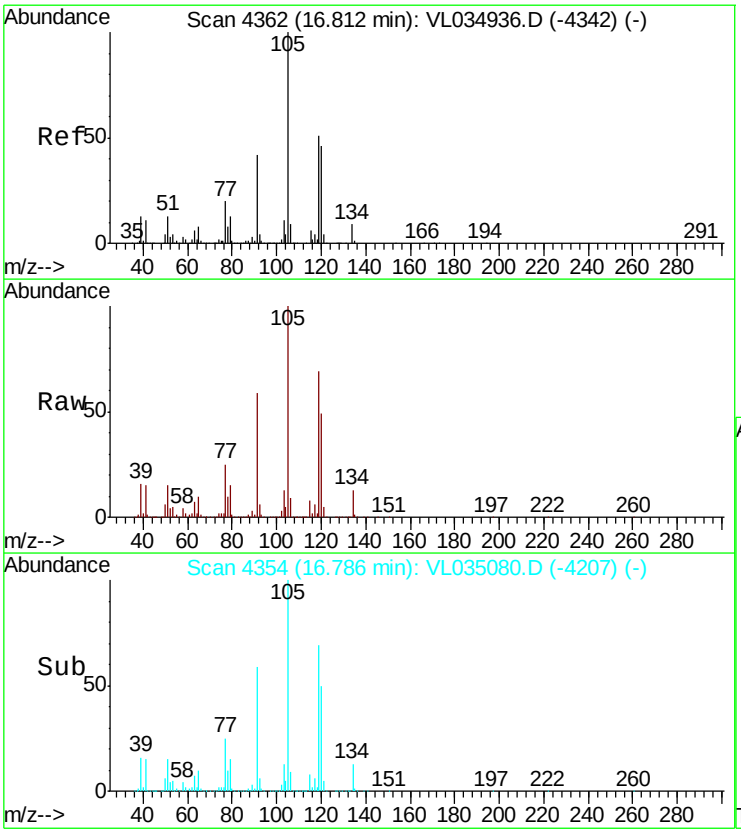
#73
1,3,5-Trimethylbenzene
Concen: 10.193 ppbv
RT: 16.02 min Scan# 4116
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion:105 Resp: 3100247

Ion	Ratio	Lower	Upper
105	100		
120	45.7	36.4	54.6

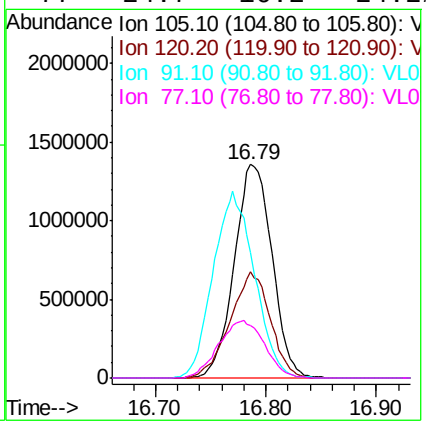


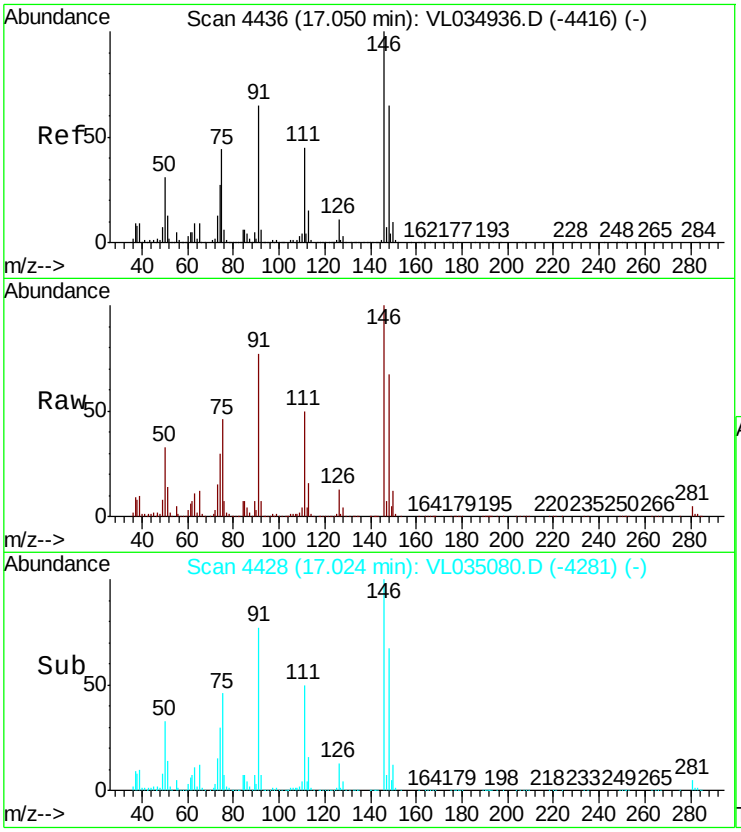


#74
1,2,4-Trimethylbenzene
Concen: 9.697 ppbv
RT: 16.79 min Scan# 4354
Delta R.T. -0.03 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion:105 Resp: 3219539

Ion	Ratio	Lower	Upper
105	100		
120	49.4	36.8	55.2
91	58.6	35.4	53.0#
77	24.7	16.2	24.2#



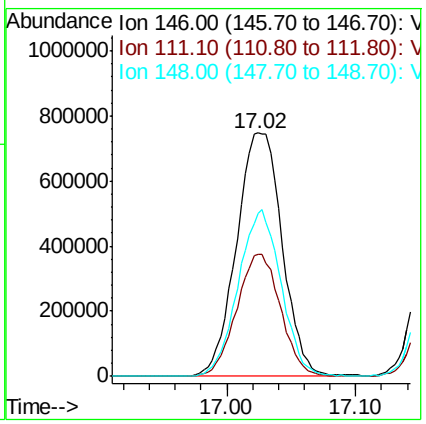


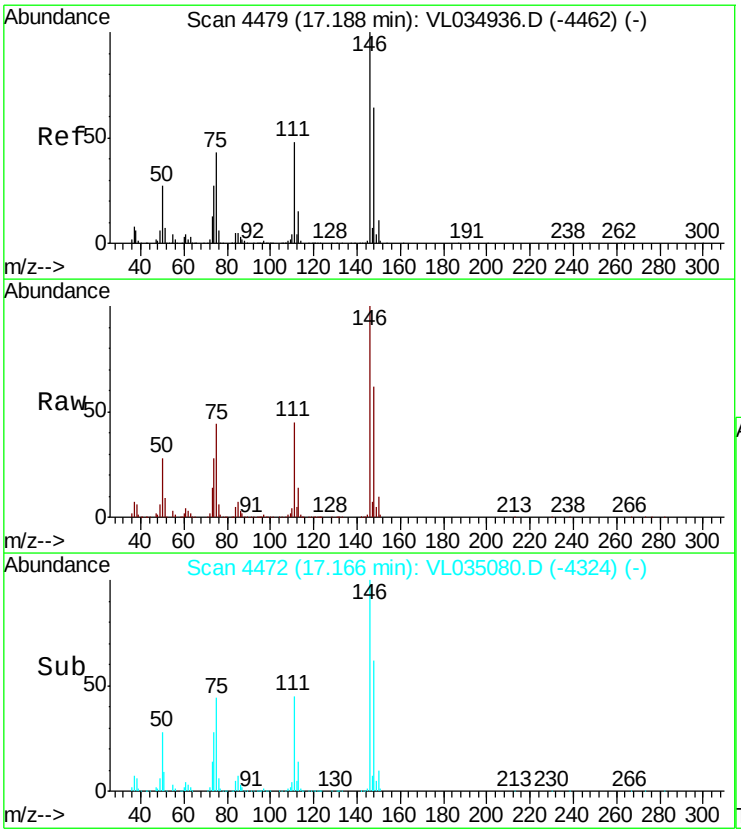
#75
1,3-Dichlorobenzene
Concen: 9.444 ppbv m
RT: 17.02 min Scan# 4428
Delta R.T. -0.03 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion:146 Resp: 1841105

Ion	Ratio	Lower	Upper
146	100		
111	48.3	24.0	72.0
148	0.0	32.6	97.7#

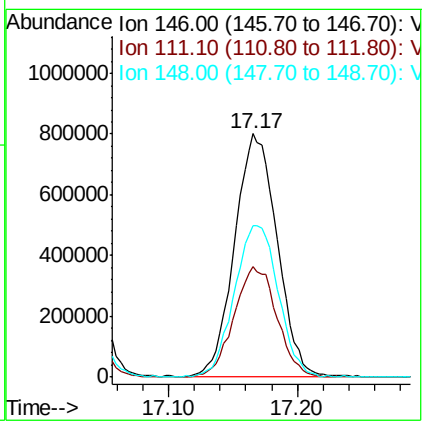


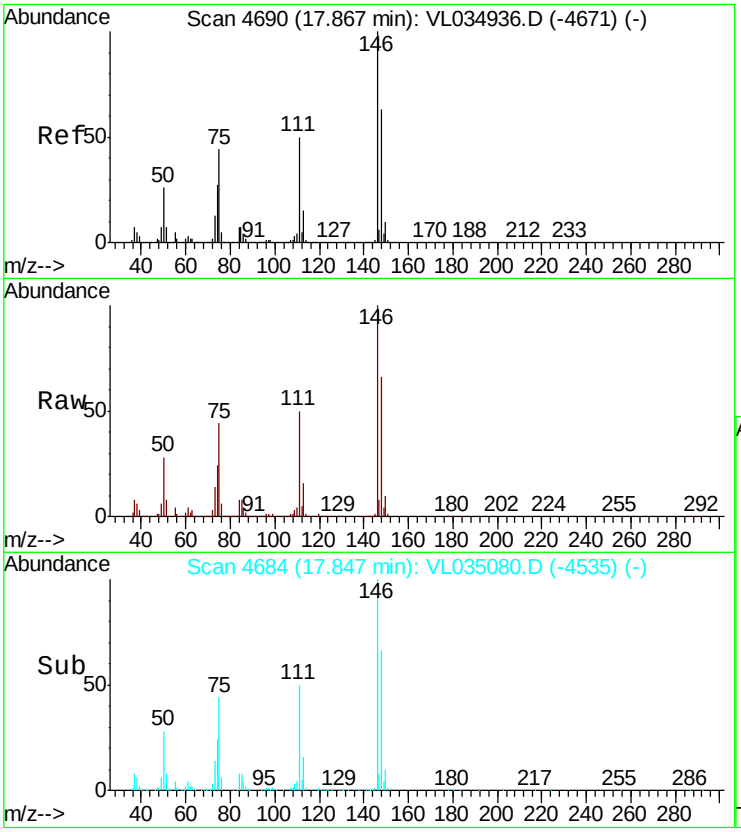


#76
1,4-Dichlorobenzene
Concen: 9.857 ppbv
RT: 17.17 min Scan# 4472
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion:146 Resp: 1825909

Ion	Ratio	Lower	Upper
146	100		
111	46.0	23.7	71.1
148	65.0	32.6	97.8



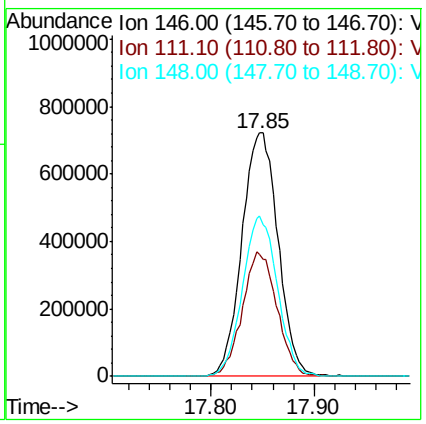


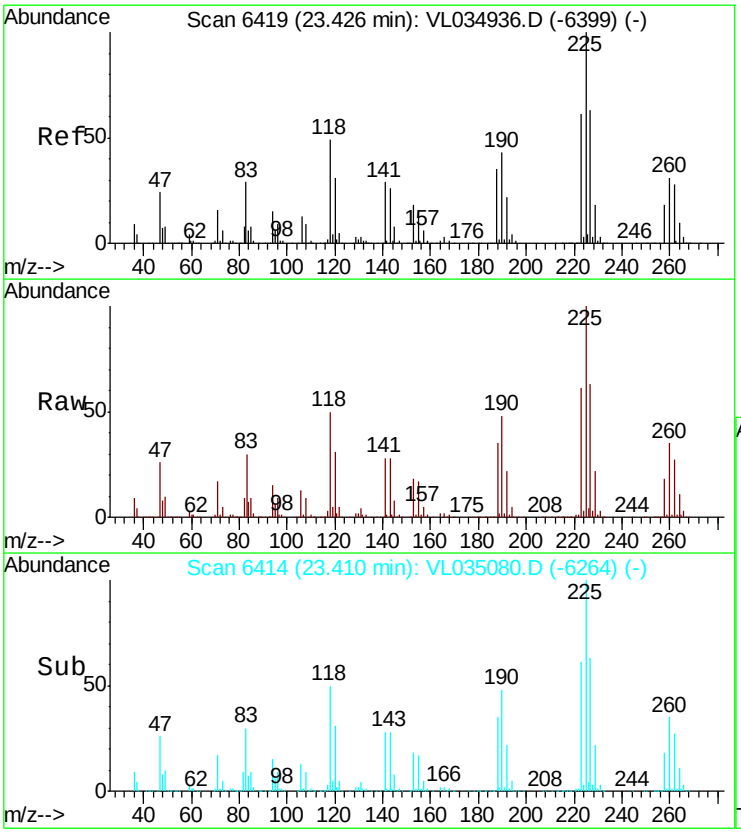
#77
1,2-Dichlorobenzene
Concen: 9.547 ppbv
RT: 17.85 min Scan# 4684
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument : MSVOA_L
ClientSampleId : VL0522ABS01

Tgt Ion:146 Resp: 1753684

Ion	Ratio	Lower	Upper
146	100		
111	49.2	24.5	73.5
148	64.1	31.7	95.1

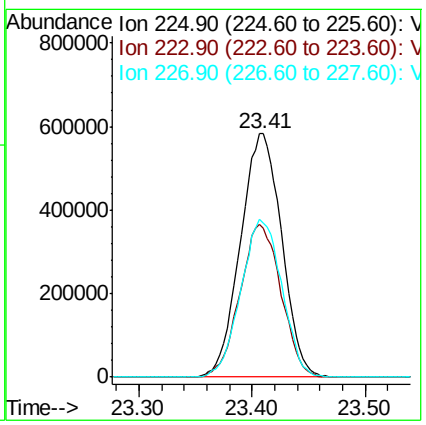


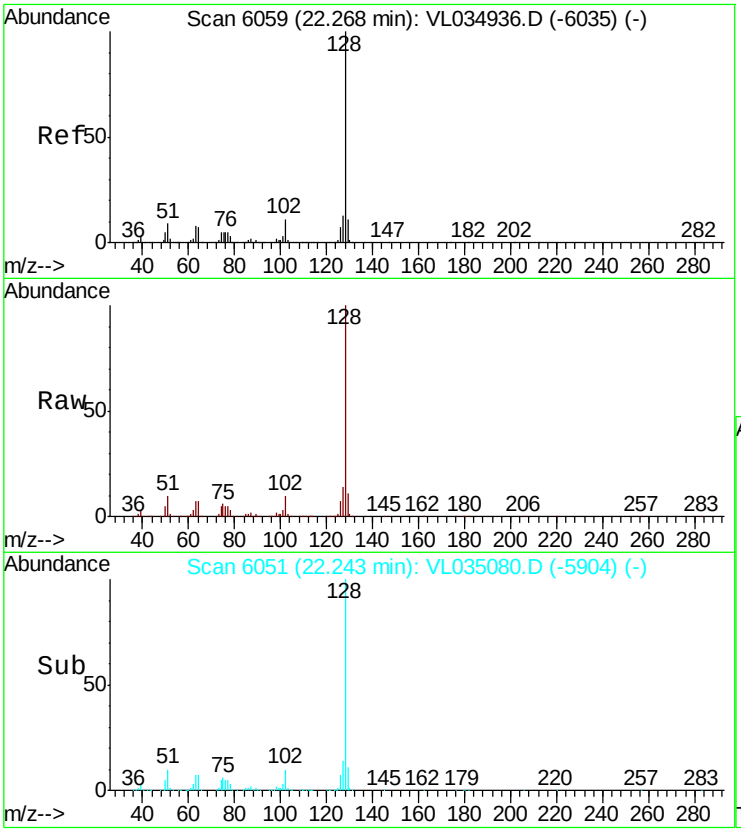


#78
Hexachloro-1,3-Butadiene
Concen: 9.431 ppbv
RT: 23.41 min Scan# 6414
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion:225 Resp: 1476774

Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.8	74.8
227	64.4	51.8	77.6



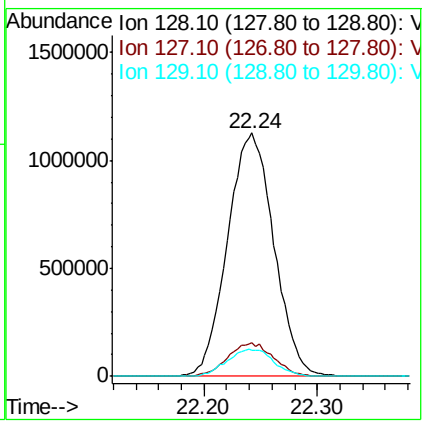


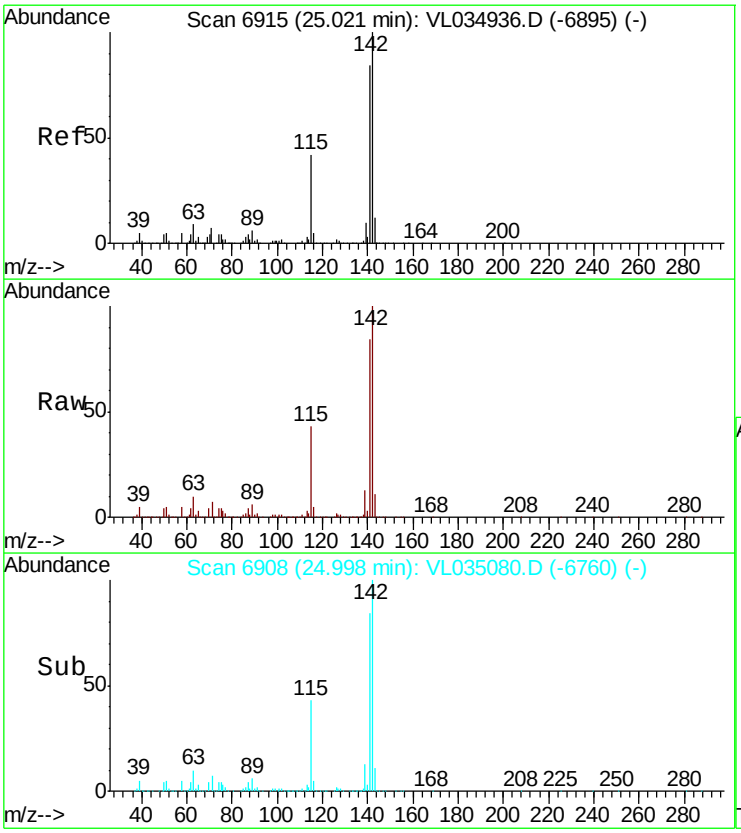
#79
Naphthalene
Concen: 12.323 ppbv
RT: 22.24 min Scan# 6051
Delta R.T. -0.03 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion:128 Resp: 3186205

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	10.8	9.0	13.4

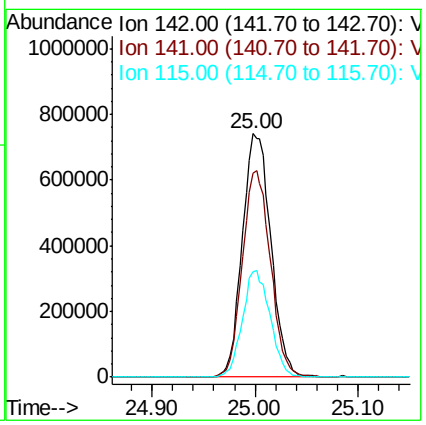


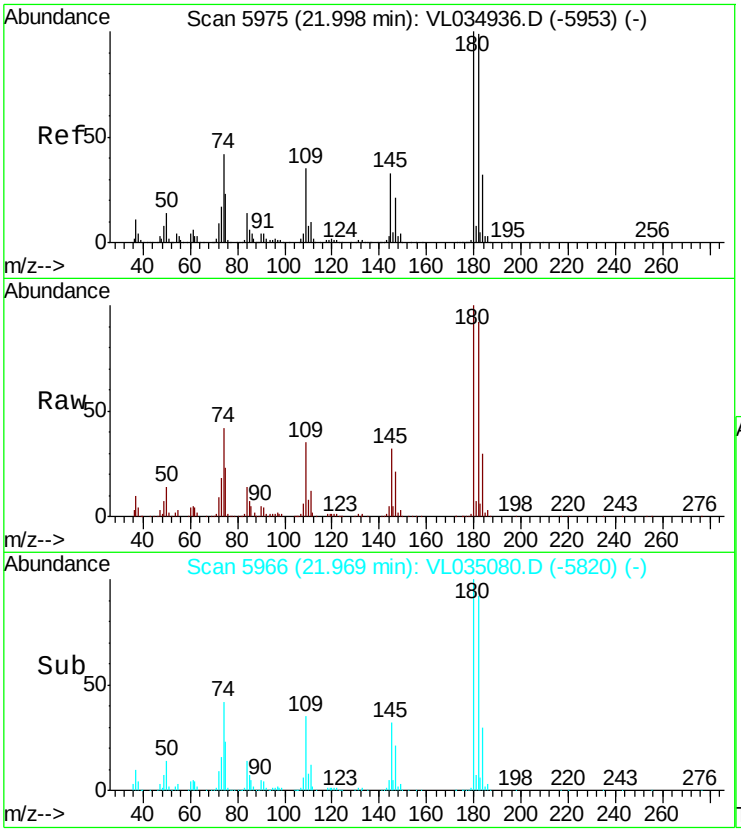


#80
Naphthalene,2-methyl-
Concen: 22.440 ppbv
RT: 25.00 min Scan# 6908
Delta R.T. -0.02 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Tgt Ion:142 Resp: 1426174

Ion	Ratio	Lower	Upper
142	100		
141	83.6	68.6	102.8
115	42.7	33.9	50.9





#81
1,2,4-Trichlorobenzene
Concen: 10.645 ppbv
RT: 21.97 min Scan# 5966
Delta R.T. -0.03 min
Lab File: VL035080.D
Acq: 22 May 2020 12:02

Instrument :
MSVOA_L
ClientSampleId :
VL0522ABS01

Tgt Ion:180 Resp: 1669016

Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.5	116.3
184	31.3	24.8	37.2