Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112420\

Quantitation Report (Not Reviewed)

Data File : VL036002.D
Acq On : 24 Nov 2020 20:28
Operator : SY/AP
Sample : L4843-01 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SVP-01

Quant Time: Nov 25 00:36:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.64	49	1264435	10.00	ppbv		-0.03
33) 1,4-Difluorobenzene	7.15	114	4969612	10.00	ppbv		-0.03
55) Chlorobenzene-d5	12.06	117	4937474	10.00	ppbv		-0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	3811384	10.86	ppbv		-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 108.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.02	85	10462	0.044	ppbv		100
3) Chlorodifluoromethane	2.97	51	4574	0.030	ppbv	#	86
4) Chloromethane	3.18	50	71065	0.966	ppbv	#	71
9) Propene	3.18	41	2614778	47.180	ppbv		92
10) Heptane	8.10	43	1891360	12.356	ppbv		99
13) Ethanol	3.58	45	2030	0.169	ppbv	#	35
15) Acetone	3.85	43	3967043	29.346	ppbv	#	54
16) 1,3-Butadiene	3.28	39	230546	3.961	ppbv	#	1
19) Isopropyl Alcohol	3.97	45	4395	0.053	ppbv	#	90
20) Methylene Chloride	4.31	84	212157	2.229	ppbv		97
21) Allyl Chloride	4.34	41	58597	0.802	ppbv	#	1
23) Vinyl Acetate	5.03	43	523634	2.763	ppbv	#	1
25) Ethyl Acetate	5.66	43	3179312	11.939	ppbv	#	72
26) Hexane	5.66	57	5552419	37.806	ppbv	#	46
27) Carbon Disulfide	4.52	76	740259	3.364	ppbv		99
29) Chloroform	5.73	83	14891	0.052	ppbv		90
30) Cyclohexane	7.10	84	48071	0.301	ppbv	#	1
32) 1,1,1-Trichloroethane	6.49	97	18601	0.062	ppbv	#	85
34) 2-Butanone	5.23	43	59515	0.369	ppbv		97
36) Benzene	6.86	78	59115	0.160	ppbv	#	94
37) 1,2-Dichloroethane	6.29	62	6044	0.036	ppbv	#	89
39) 1,2-Dichloropropane	7.14	63	1042604	8.382	ppbv	#	29
41) Tetrahydrofuran	6.29	42	484621	5.289	ppbv	#	24
42) Bromodichloromethane	7.77	83	42571	0.151	ppbv	#	26
43) Methyl Methacrylate	7.96	69	18228	0.129	ppbv	#	10
44) 2,2,4-Trimethylpentane	7.72	57	16031	0.033	ppbv	#	1
50) 4-Methyl-2-Pentanone	9.02	43	36440	0.148	ppbv	#	41
51) 2-Hexanone	10.08	43	405345	2.046	ppbv	#	21
52) Tetrachloroethene	11.19	164	474976	2.714	ppbv		97
53) Toluene	9.78	91	12204612	27.377	ppbv		87
58) Ethyl Benzene	12.68	91	1754670	2.918	ppbv		94
59) m/p-Xylene	12.94	91	4812476	9.459	ppbv		98
60) o-Xylene	13.66	91	1564054	3.160	ppbv		96

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

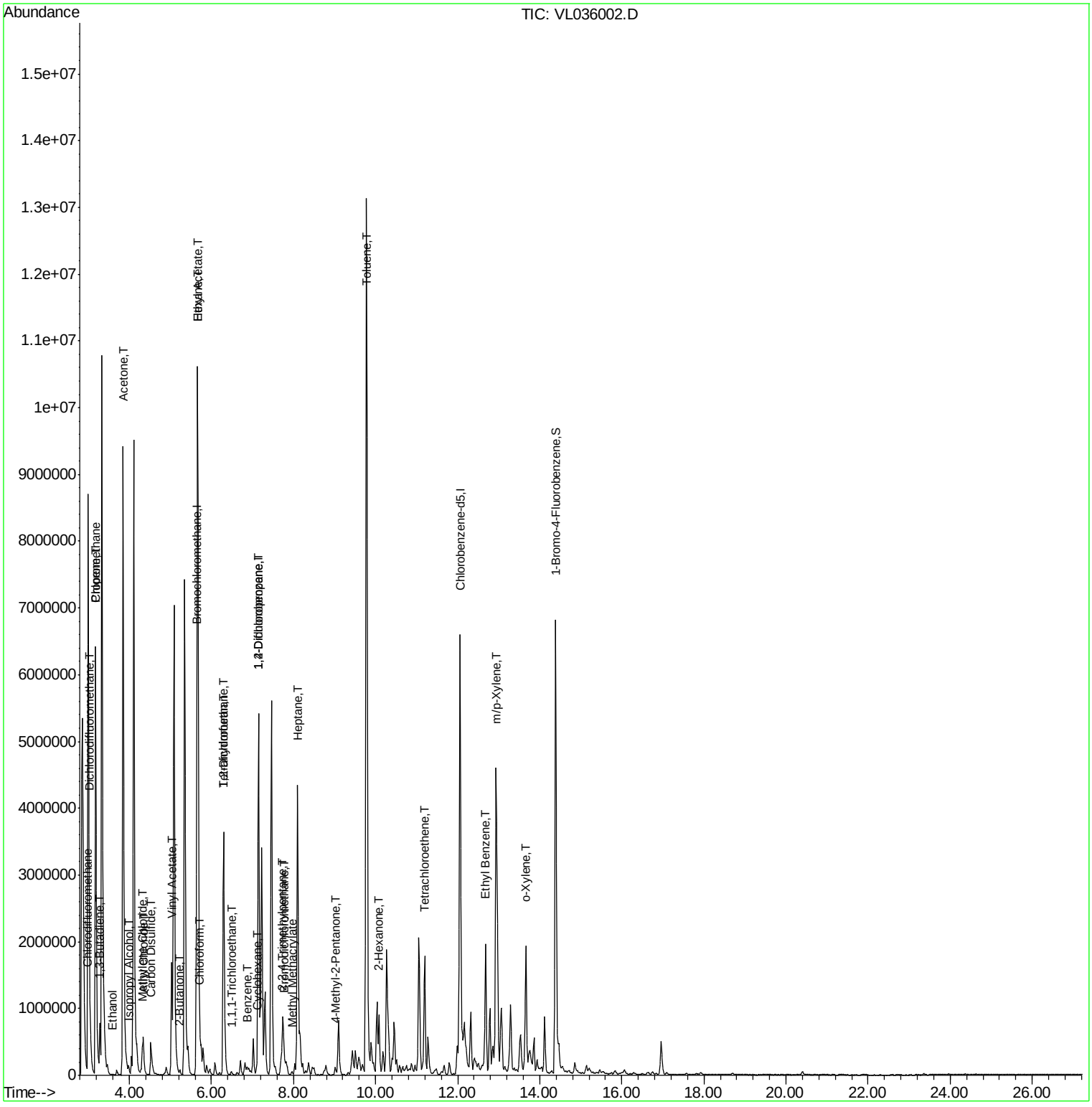
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112420\

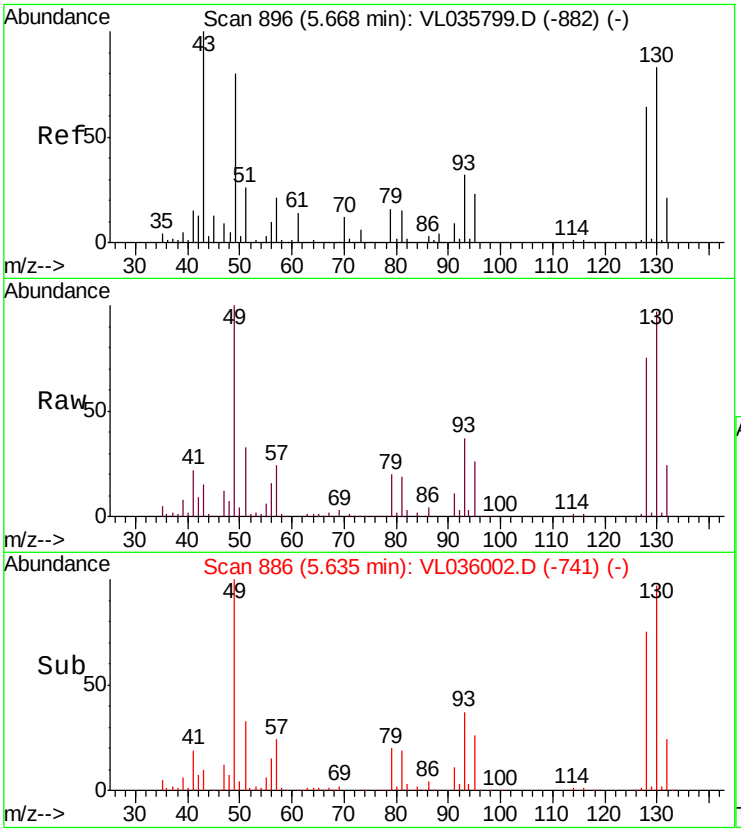
Quantitation Report (Not Reviewed)

Data File : VL036002.D
Acq On : 24 Nov 2020 20:28
Operator : SY/AP
Sample : L4843-01 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SVP-01

Quant Time: Nov 25 00:36:47 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration



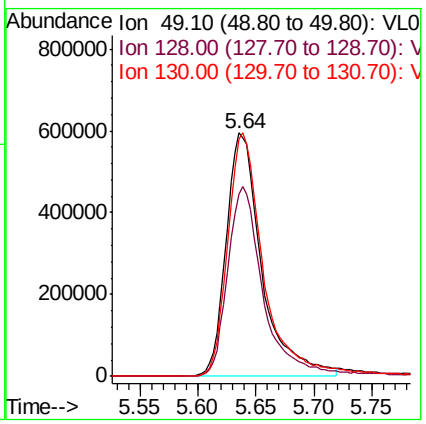


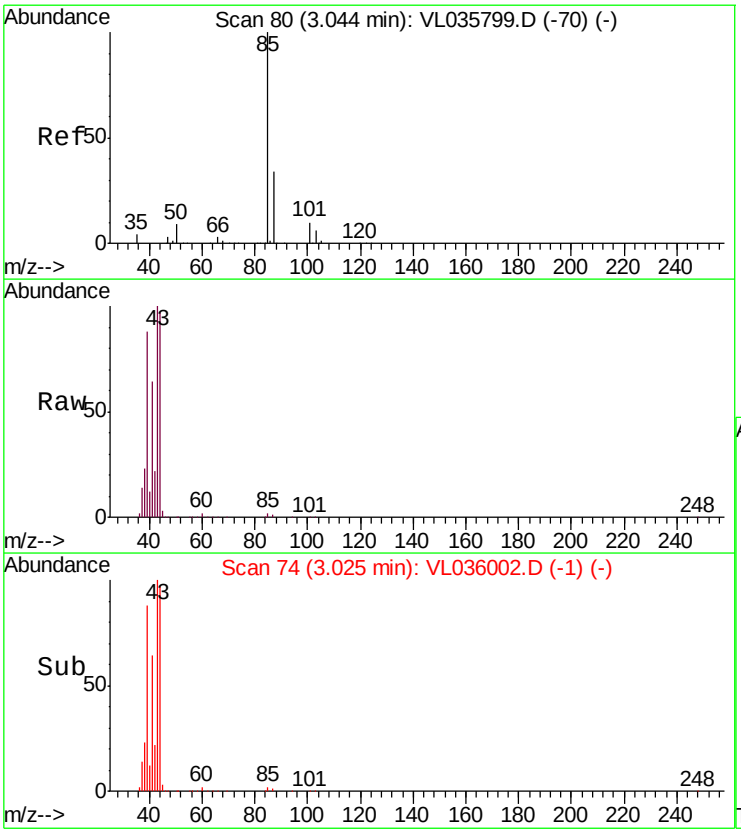
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 886
Delta R.T. -0.03 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion: 49 Resp: 1264435

Ion	Ratio	Lower	Upper
49	100		
128	80.0	41.5	124.6
130	103.3	53.7	161.1

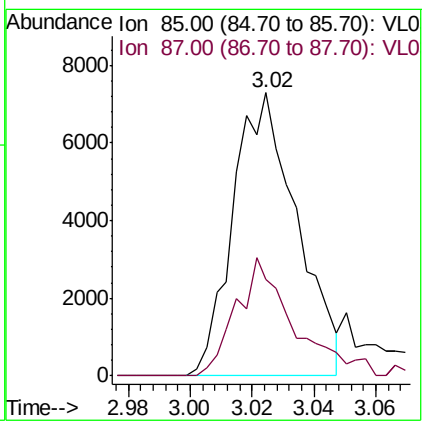


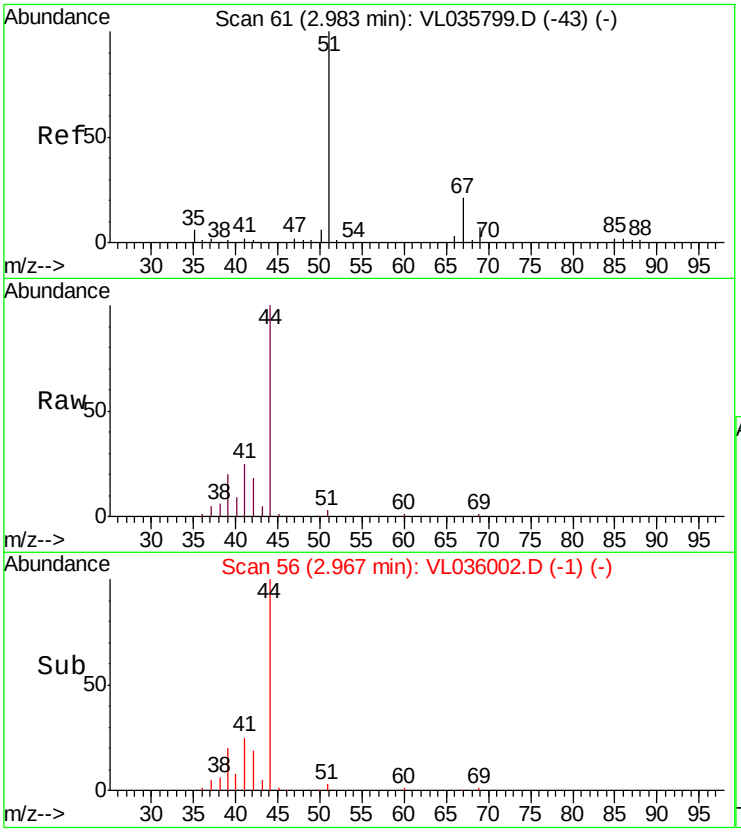


#2
Dichlorodifluoromethane
Concen: 0.044 ppbv
RT: 3.02 min Scan# 74
Delta R.T. -0.02 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion: 85 Resp: 10462

Ion	Ratio	Lower	Upper
85	100		
87	34.1	27.1	40.7



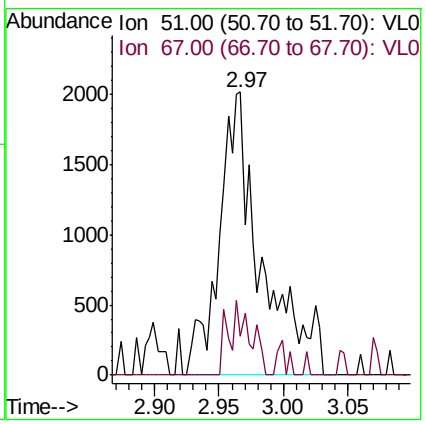


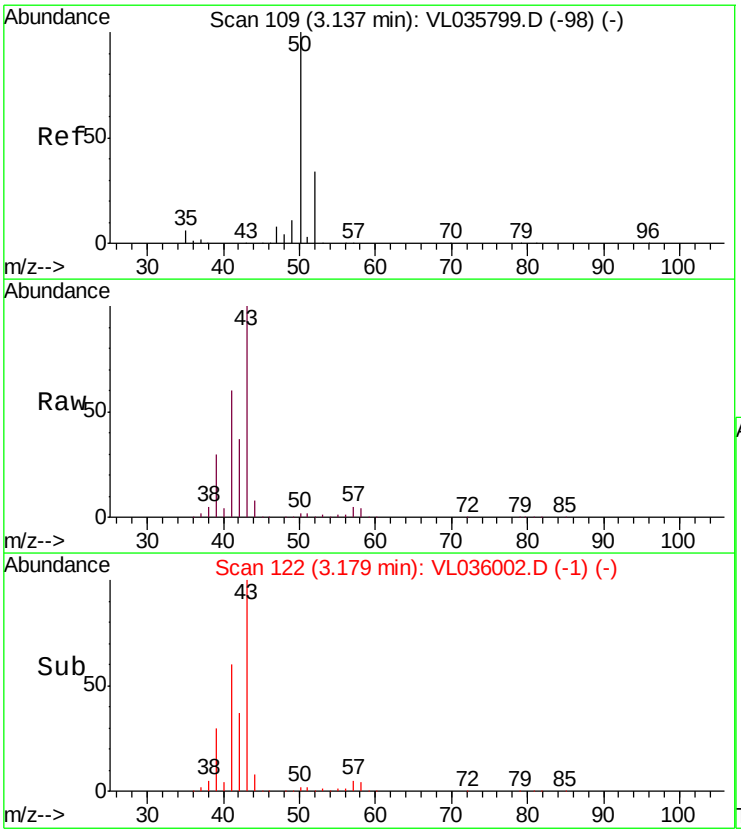
#3
Chlorodifluoromethane
Concen: 0.030 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.02 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion: 51 Resp: 4574

Ion	Ratio	Lower	Upper
51	100		
67	14.8	17.0	25.4#

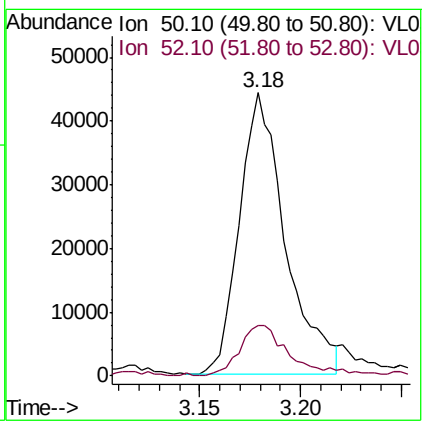


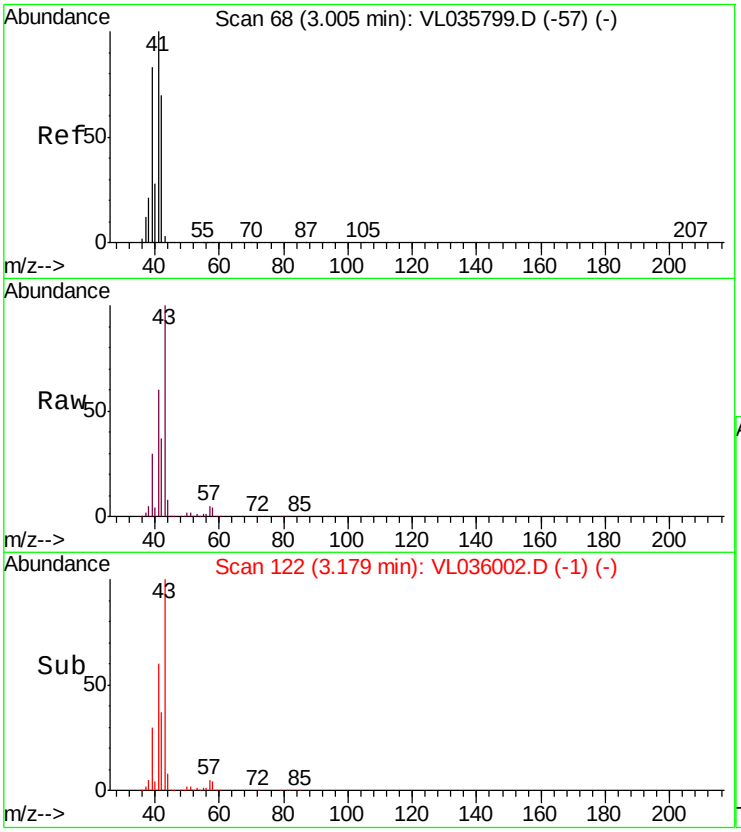


#4
Chloromethane
Concen: 0.966 ppbv
RT: 3.18 min Scan# 122
Delta R.T. 0.04 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion: 50 Resp: 71065

Ion	Ratio	Lower	Upper
50	100		
52	17.1	27.1	40.7#



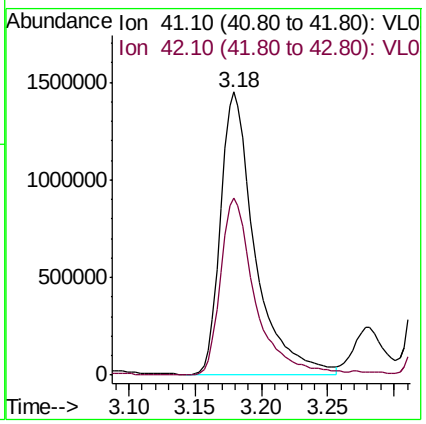


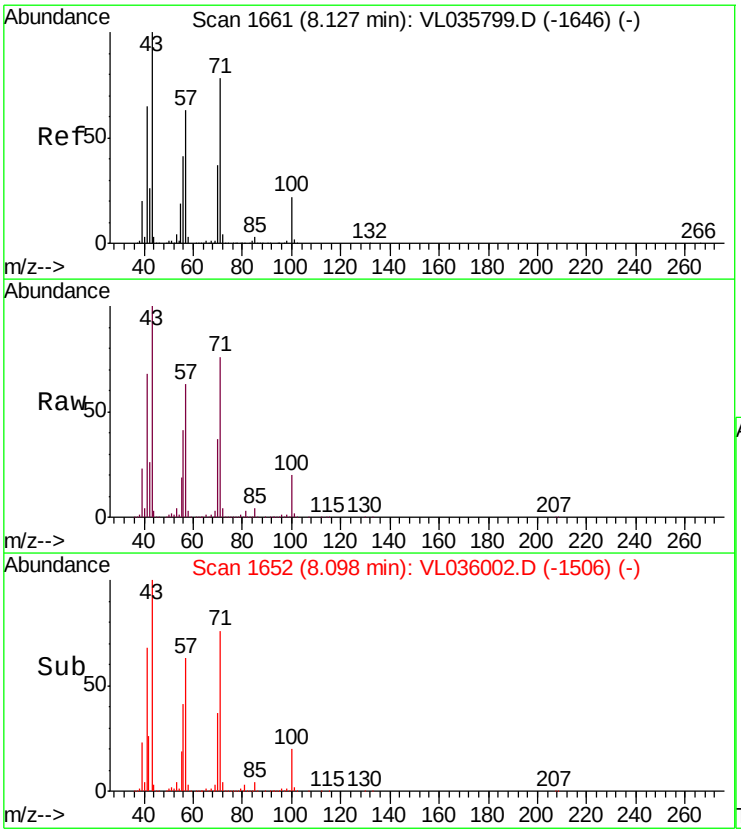
#9
Propene
Concen: 47.180 ppbv
RT: 3.18 min Scan# 122
Delta R.T. 0.17 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion: 41 Resp: 2614778

Ion	Ratio	Lower	Upper
41	100		
42	63.5	56.2	84.4

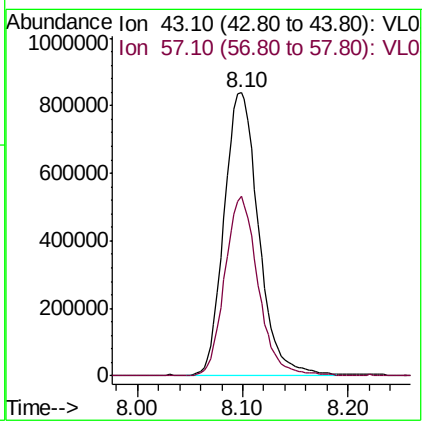


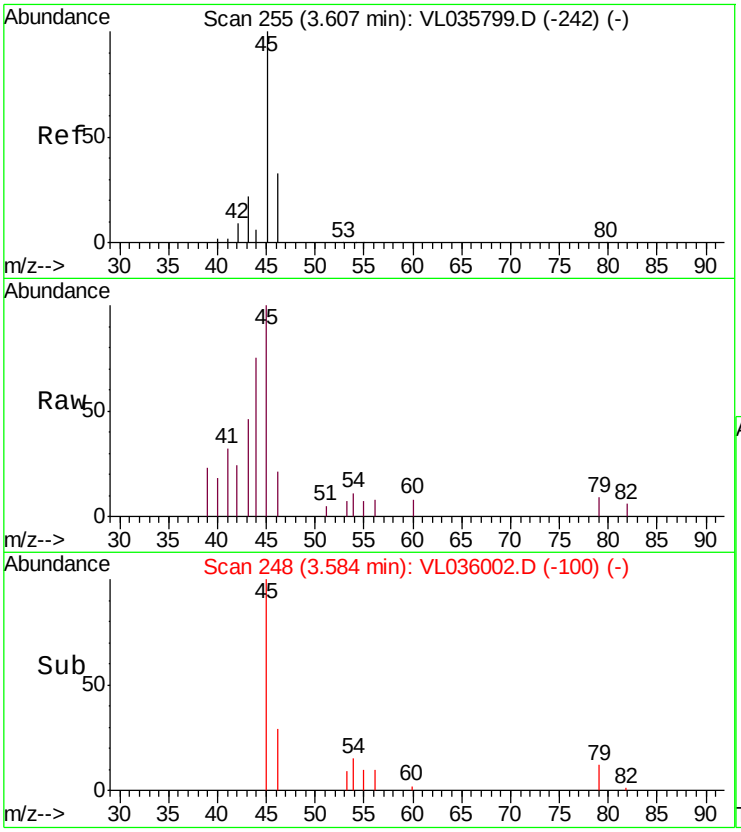


#10
Heptane
Concen: 12.356 ppbv
RT: 8.10 min Scan# 1652
Delta R.T. -0.03 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion: 43 Resp: 1891360

Ion	Ratio	Lower	Upper
43	100		
57	62.1	50.0	75.0



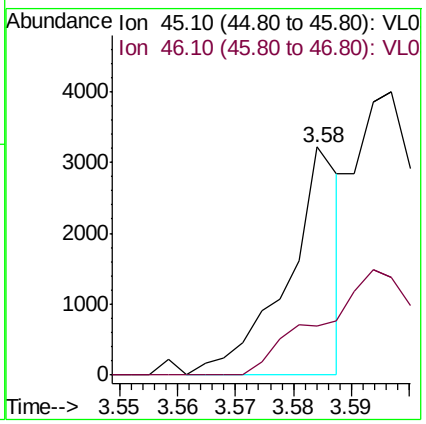


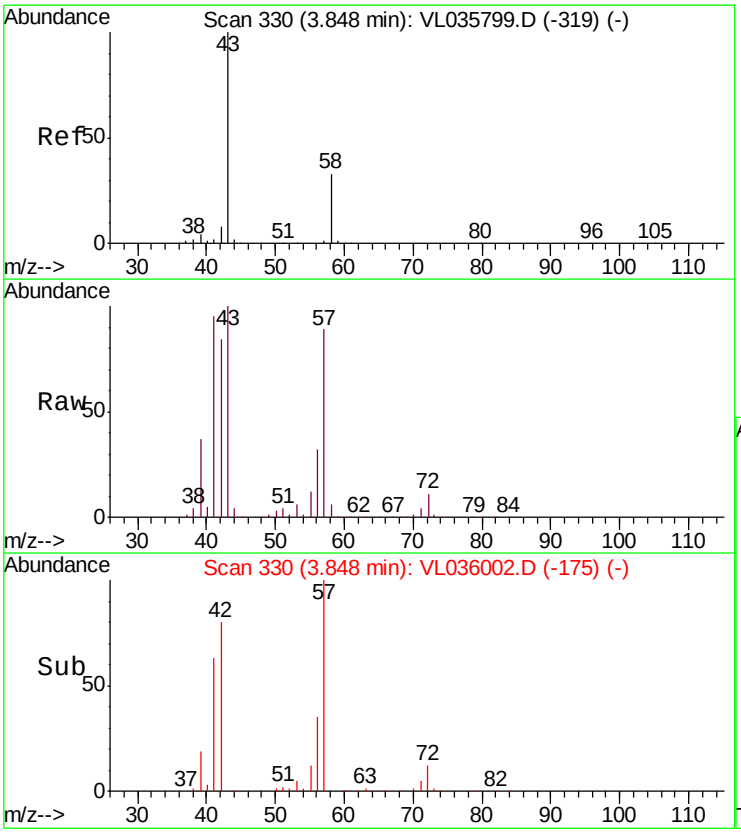
#13
Ethanol
Concen: 0.169 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.02 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion: 45 Resp: 2030

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.1	64.5#

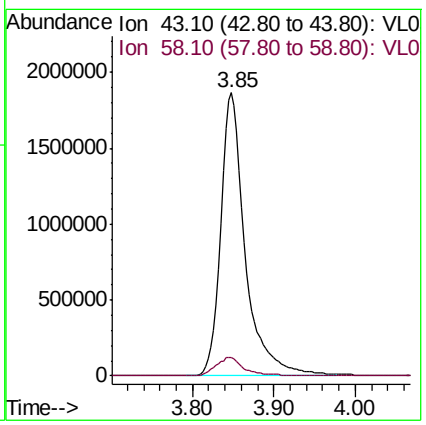


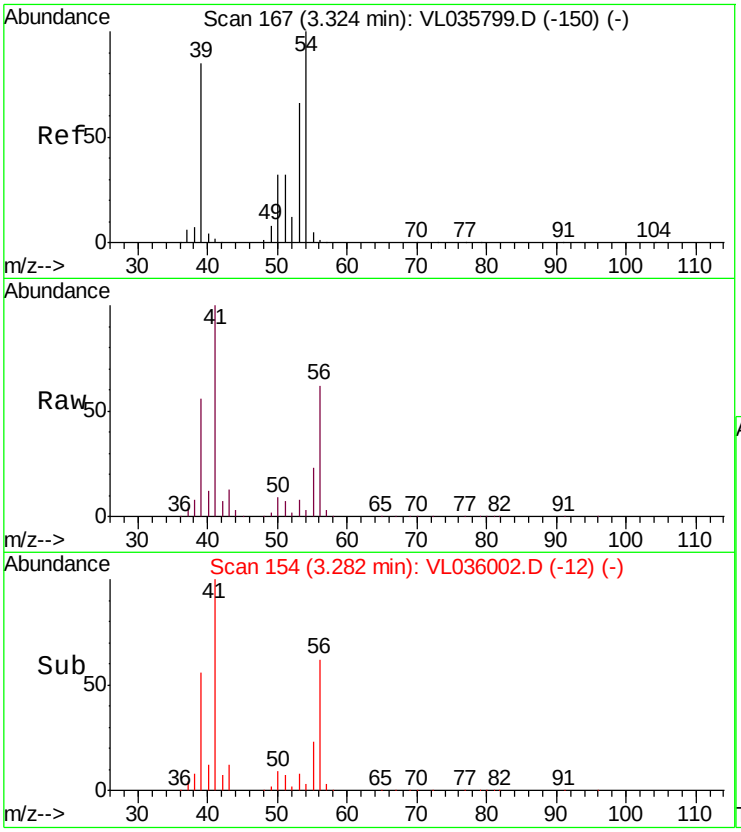


#15
Acetone
Concen: 29.346 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion: 43 Resp: 3967043

Ion	Ratio	Lower	Upper
43	100		
58	7.8	27.5	41.3#



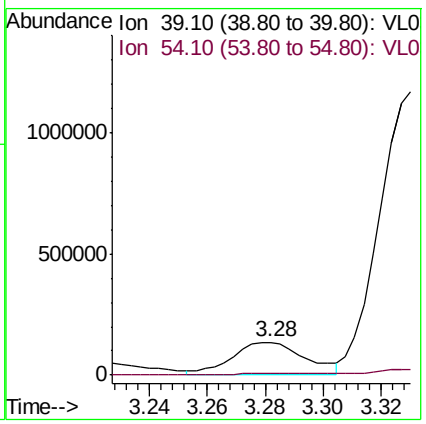


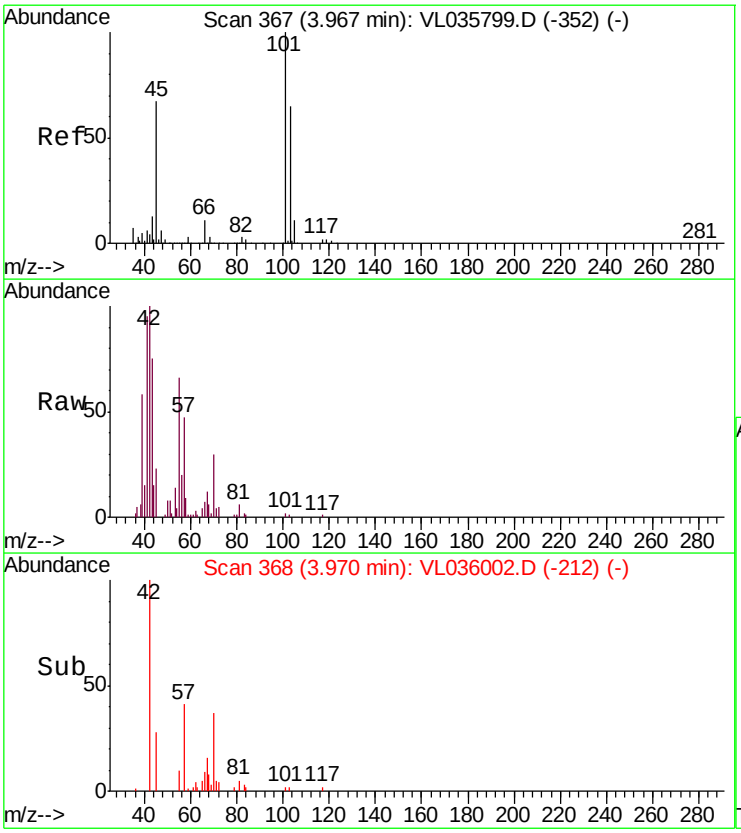
#16
1,3-Butadiene
Concen: 3.961 ppbv
RT: 3.28 min Scan# 154
Delta R.T. -0.04 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion: 39 Resp: 230546

Ion	Ratio	Lower	Upper
39	100		
54	0.0	87.1	130.7#

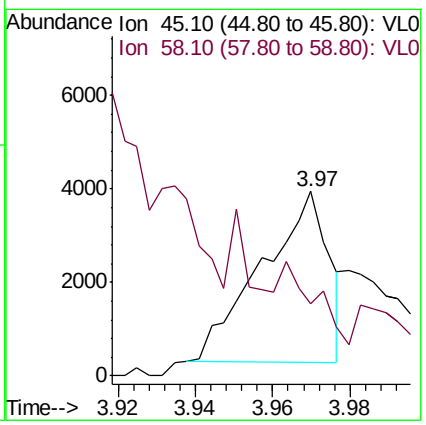


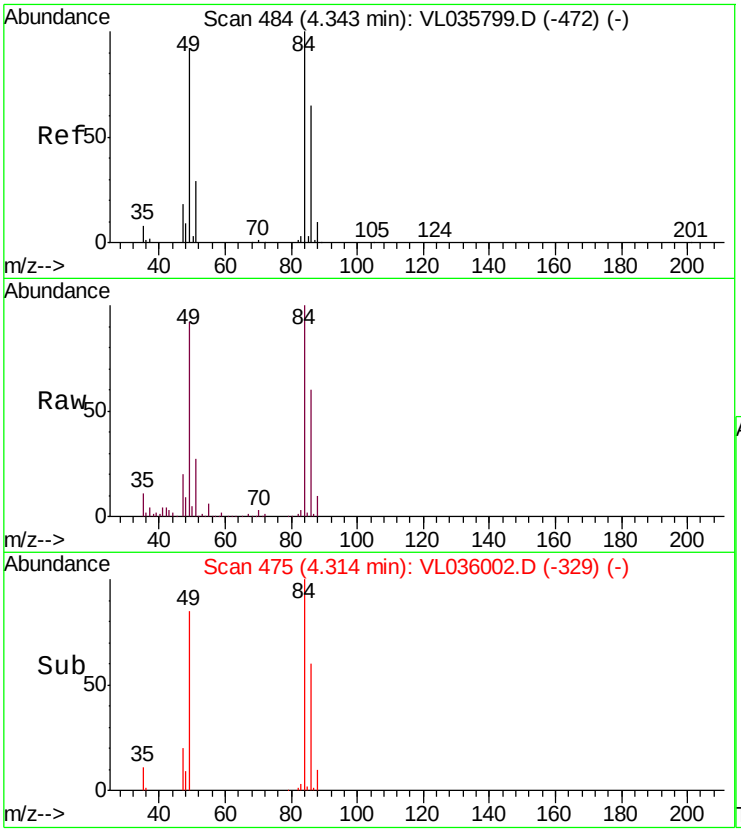


#19
Isopropyl Alcohol
Concen: 0.053 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.00 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion: 45 Resp: 4395

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.6	3.8#



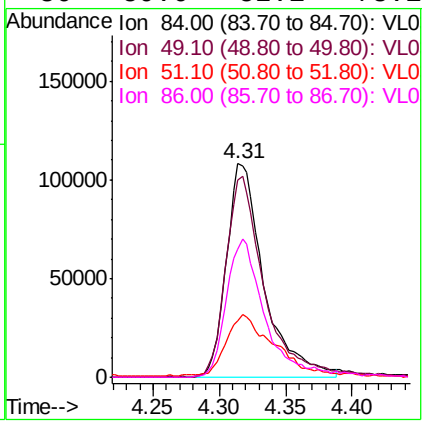


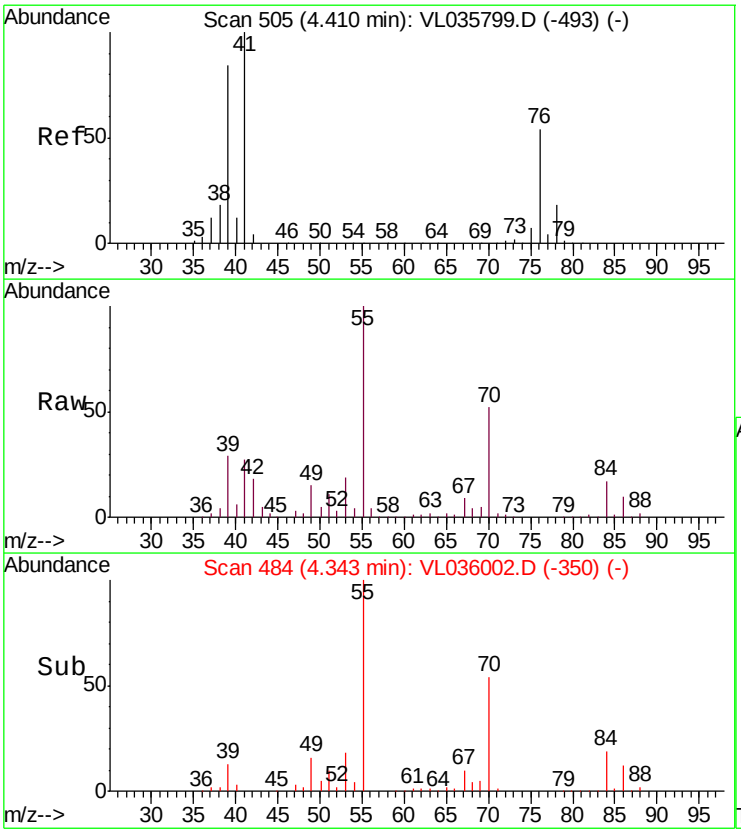
#20
Methylene Chloride
Concen: 2.229 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.03 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion: 84 Resp: 212157

Ion	Ratio	Lower	Upper
84	100		
49	92.2	73.8	110.8
51	25.6	23.0	34.4
86	59.6	52.1	78.1

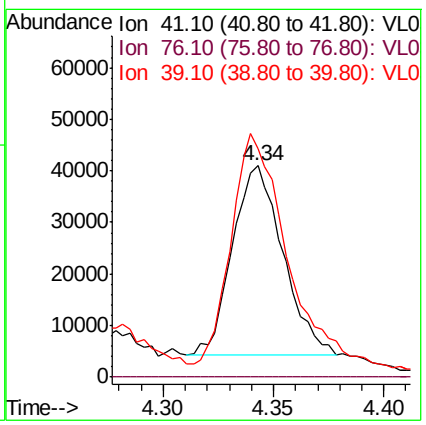


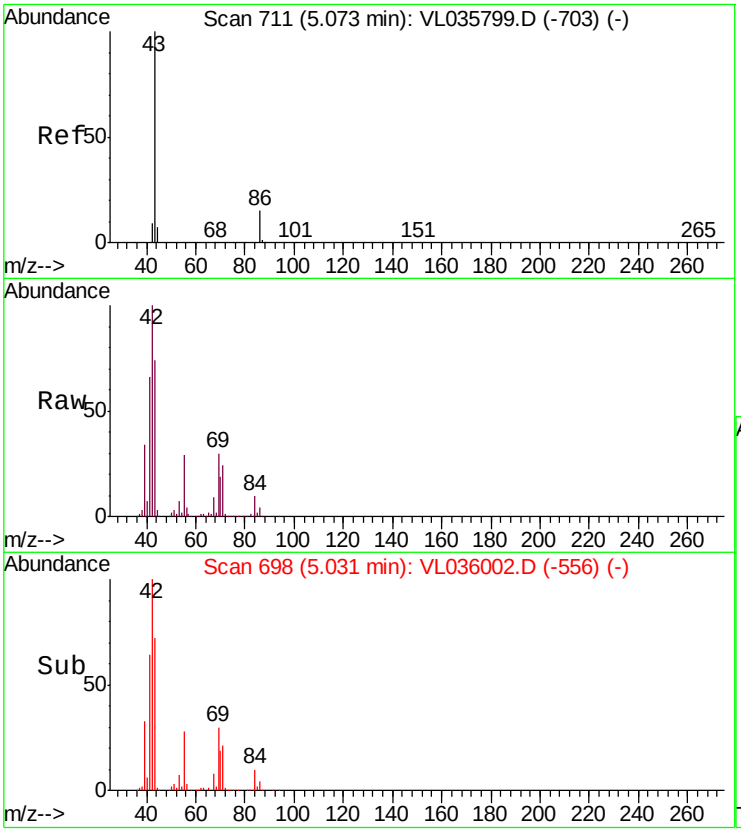


#21
Allyl Chloride
Concen: 0.802 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.07 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion: 41 Resp: 58597

Ion	Ratio	Lower	Upper
41	100		
76	1305.8	42.6	63.8#
39	156.4	67.0	100.4#



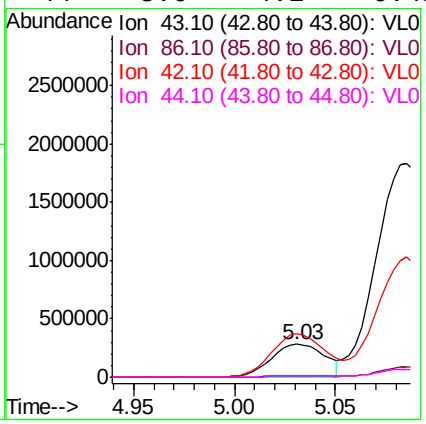


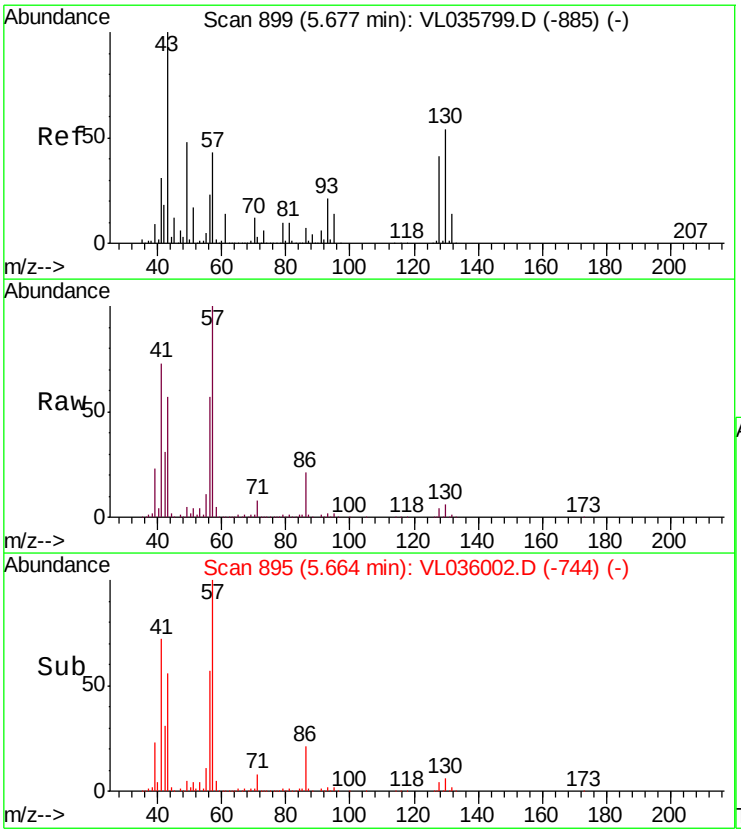
#23
Vinyl Acetate
Concen: 2.763 ppbv
RT: 5.03 min Scan# 698
Delta R.T. -0.04 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument : MSVOA_L
ClientSampleId : SVP-01

Tgt Ion: 43 Resp: 523634

Ion	Ratio	Lower	Upper
43	100		
86	5.1	9.8	14.6#
42	134.6	8.1	12.1#
44	3.0	4.2	6.4#

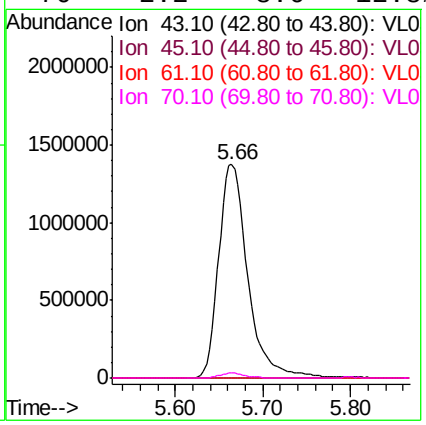


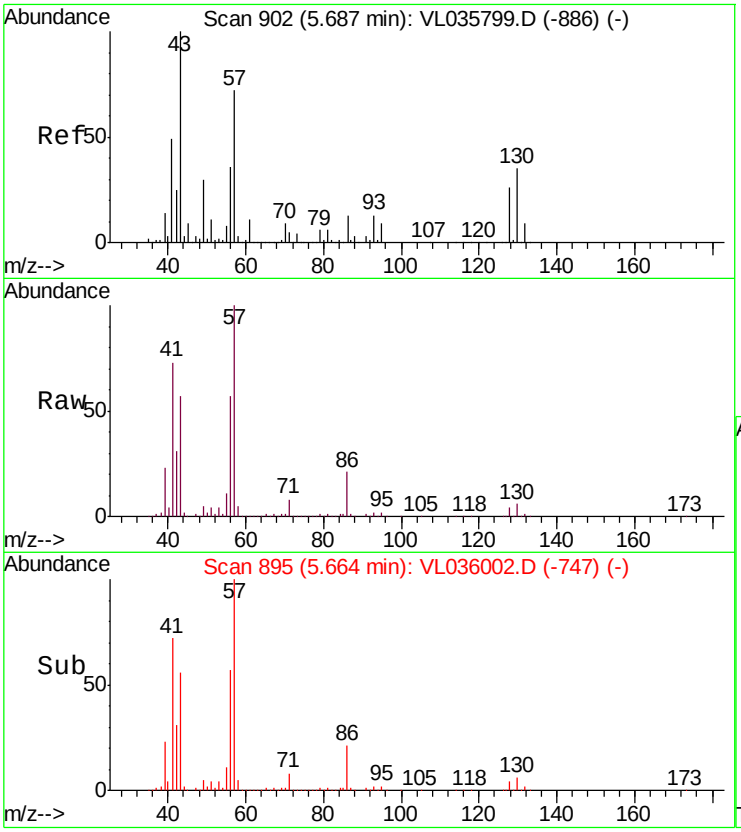


#25
Ethyl Acetate
Concen: 11.939 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion: 43 Resp: 3179312

Ion	Ratio	Lower	Upper
43	100		
45	0.1	8.5	12.7#
61	0.2	10.7	16.1#
70	2.2	8.6	12.8#



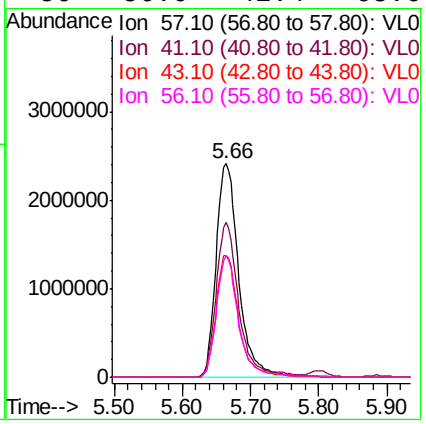


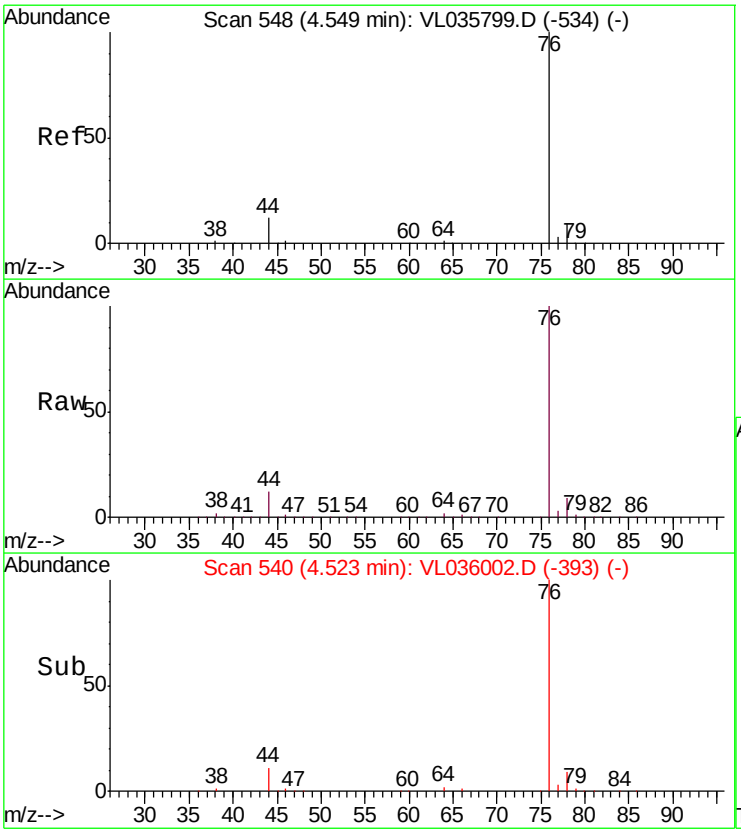
#26
Hexane
Concen: 37.806 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion: 57 Resp: 5552419

Ion	Ratio	Lower	Upper
57	100		
41	72.7	58.9	88.3
43	57.6	150.2	225.2#
56	56.0	42.4	63.6

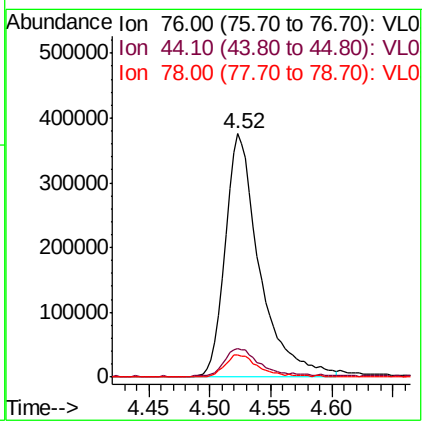


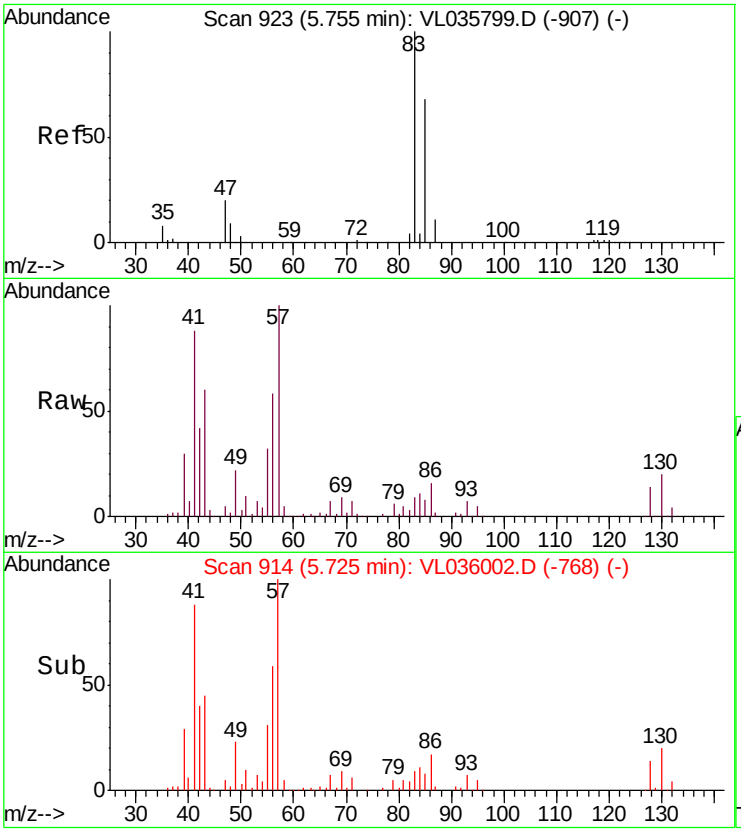


#27
Carbon Disulfide
Concen: 3.364 ppbv
RT: 4.52 min Scan# 540
Delta R.T. -0.03 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion: 76 Resp: 740259

Ion	Ratio	Lower	Upper
76	100		
44	12.8	9.9	14.9
78	9.6	8.1	12.1



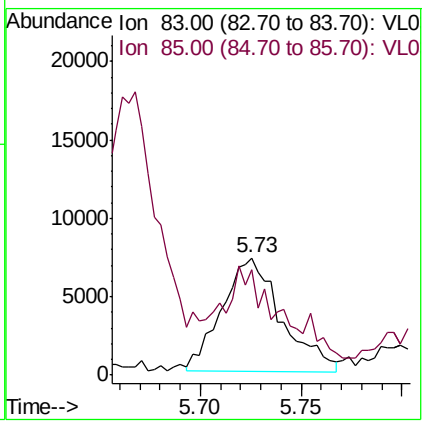


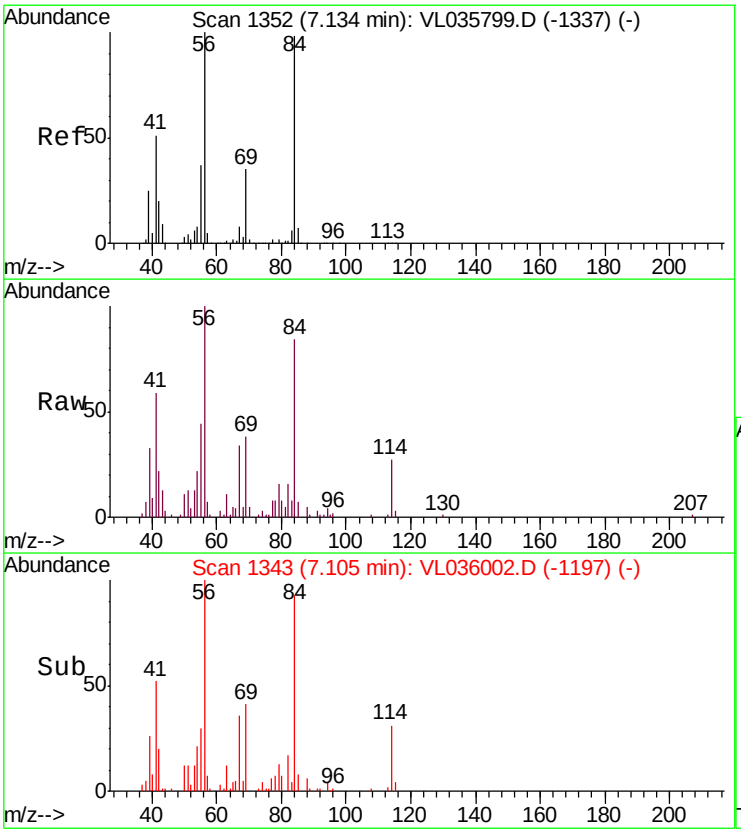
#29
Chloroform
Concen: 0.052 ppbv
RT: 5.73 min Scan# 914
Delta R.T. -0.03 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion: 83 Resp: 14891

Ion	Ratio	Lower	Upper
83	100		
85	76.1	54.6	81.8

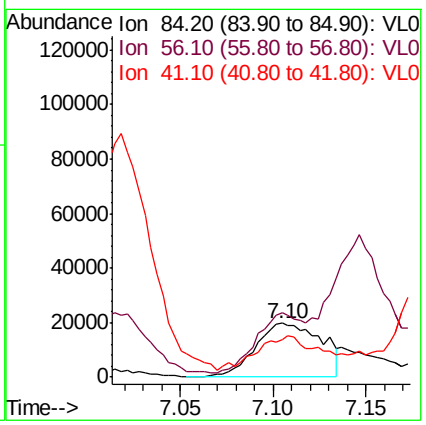


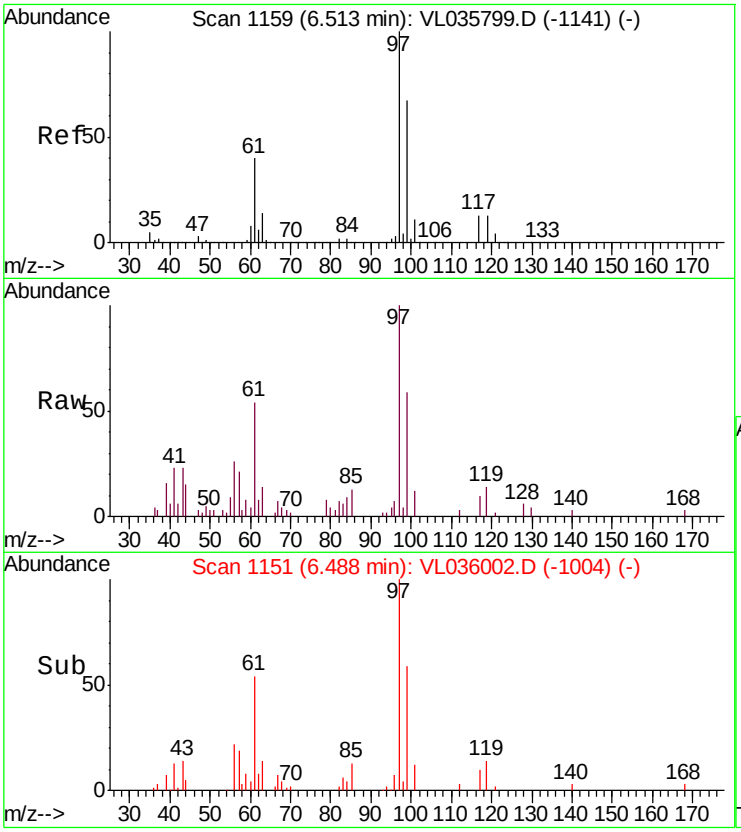


#30
Cyclohexane
Concen: 0.301 ppbv
RT: 7.10 min Scan# 1343
Delta R.T. -0.03 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion: 84 Resp: 48071

Ion	Ratio	Lower	Upper
84	100		
56	91.5	86.4	129.6
41	372.7	42.1	63.1#



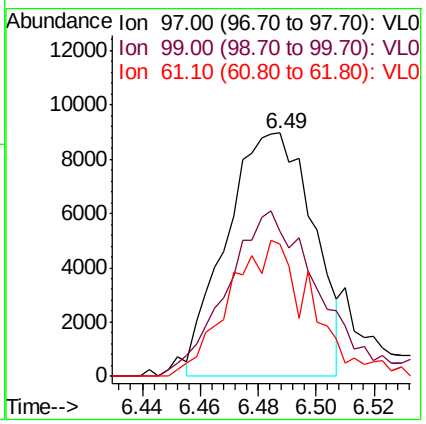


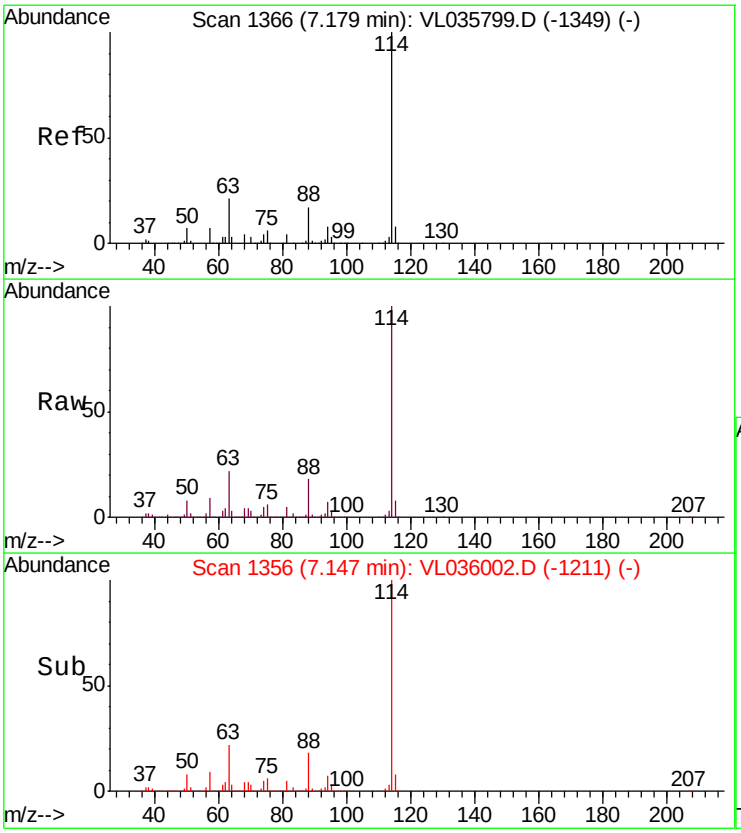
#32
1,1,1-Trichloroethane
Concen: 0.062 ppbv
RT: 6.49 min Scan# 1151
Delta R.T. -0.03 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion: 97 Resp: 18601

Ion	Ratio	Lower	Upper
97	100		
99	73.8	52.3	78.5
61	53.9	32.0	48.0#

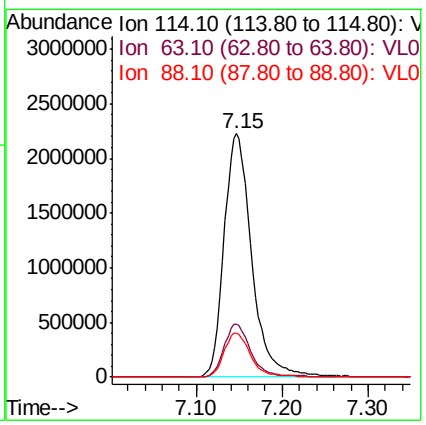


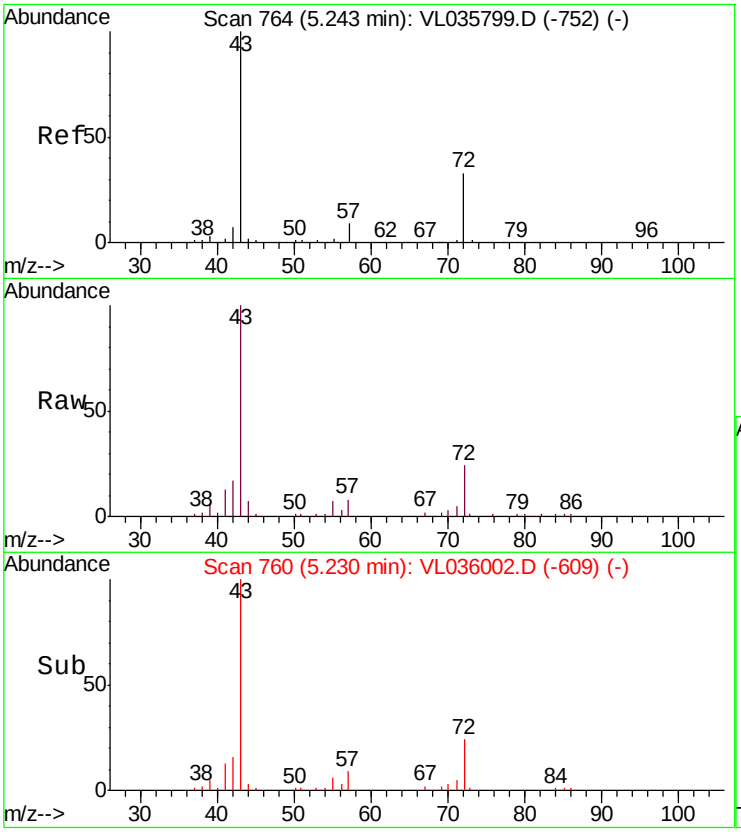


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.03 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion:114 Resp: 4969612

Ion	Ratio	Lower	Upper
114	100		
63	21.4	16.1	24.1
88	17.7	13.7	20.5



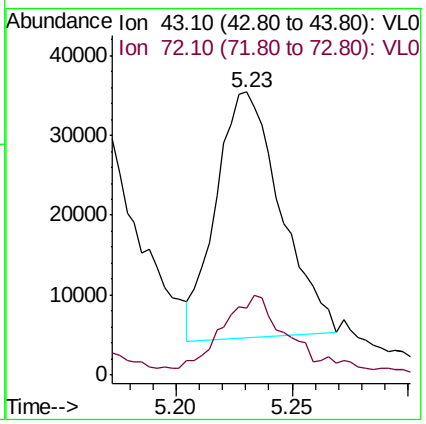


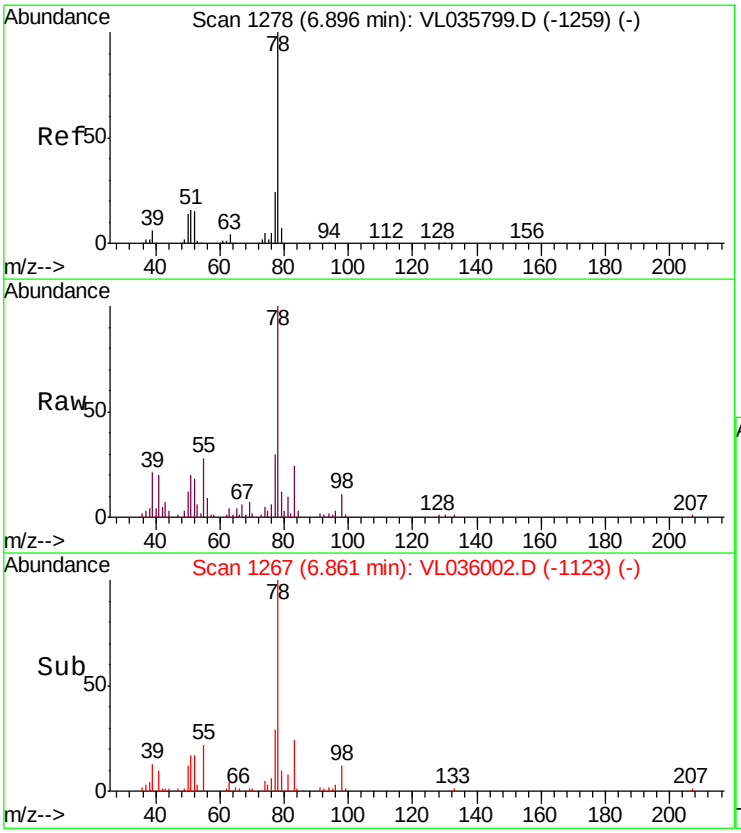
#34
2-Butanone
Concen: 0.369 ppbv
RT: 5.23 min Scan# 760
Delta R.T. -0.01 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion: 43 Resp: 59515

Ion	Ratio	Lower	Upper
43	100		
72	35.1	26.5	39.7

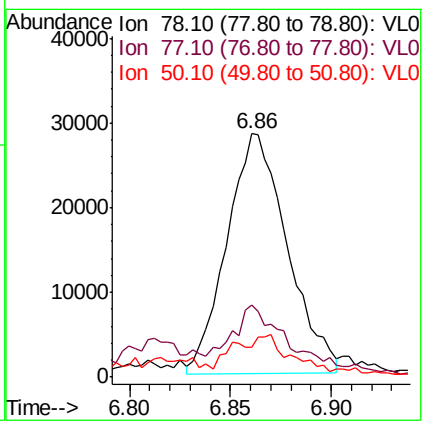


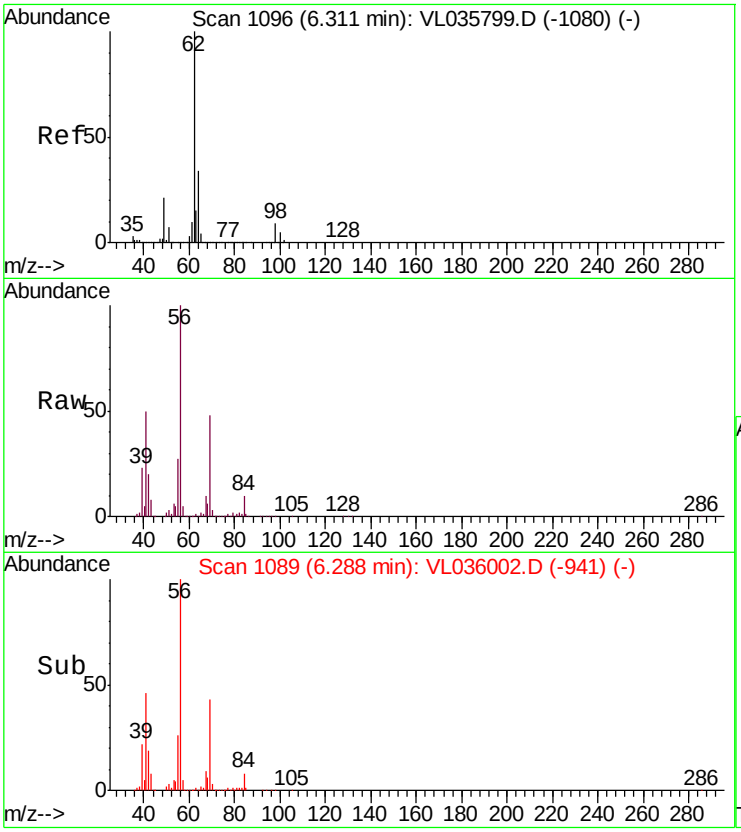


#36
Benzene
Concen: 0.160 ppbv
RT: 6.86 min Scan# 1267
Delta R.T. -0.04 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion: 78 Resp: 59115

Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.3	28.9
50	9.7	11.4	17.2#



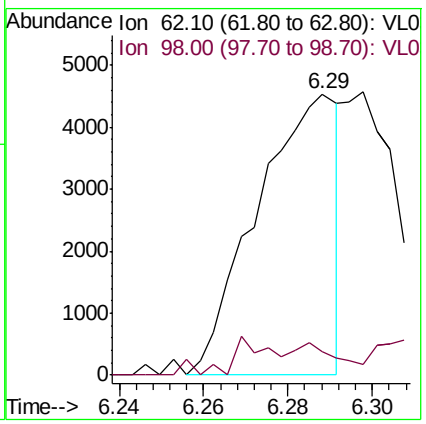


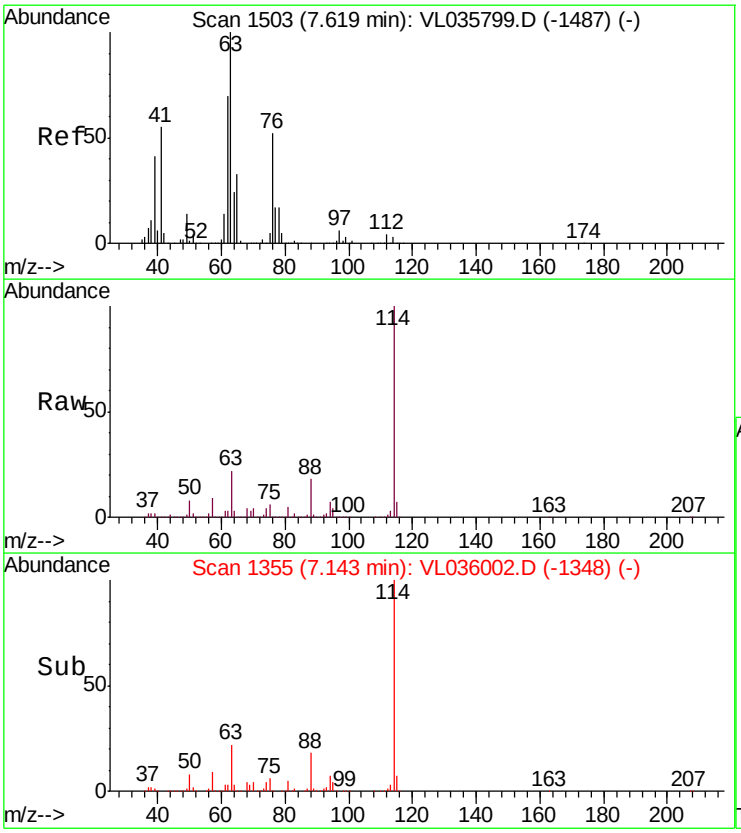
#37
1,2-Dichloroethane
Concen: 0.036 ppbv
RT: 6.29 min Scan# 1089
Delta R.T. -0.02 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion: 62 Resp: 6044

Ion	Ratio	Lower	Upper
62	100		
98	12.7	6.9	10.3#

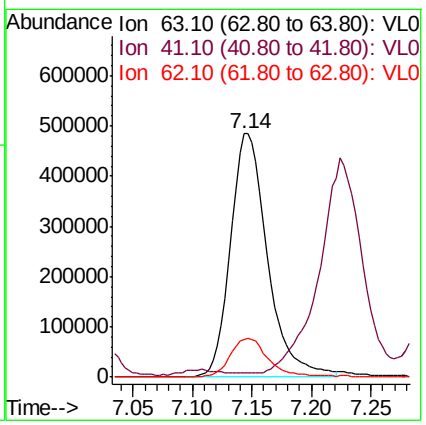


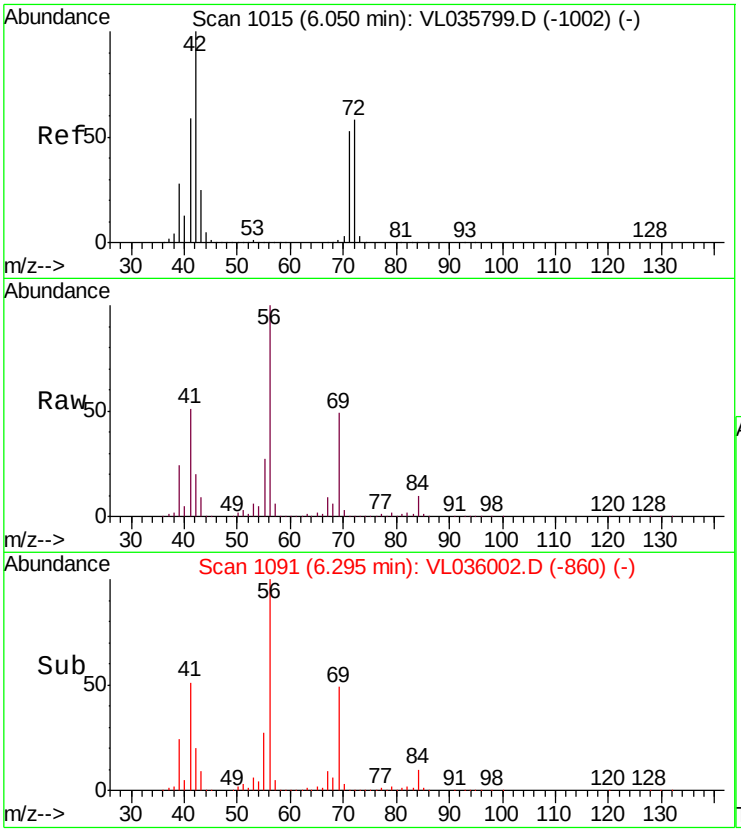


#39
1,2-Dichloropropane
Concen: 8.382 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.48 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion: 63 Resp: 1042604

Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	15.3	56.2	84.2#



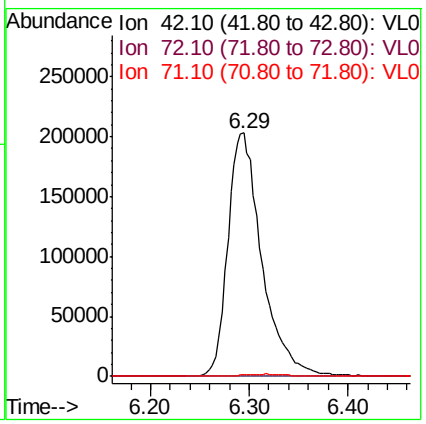


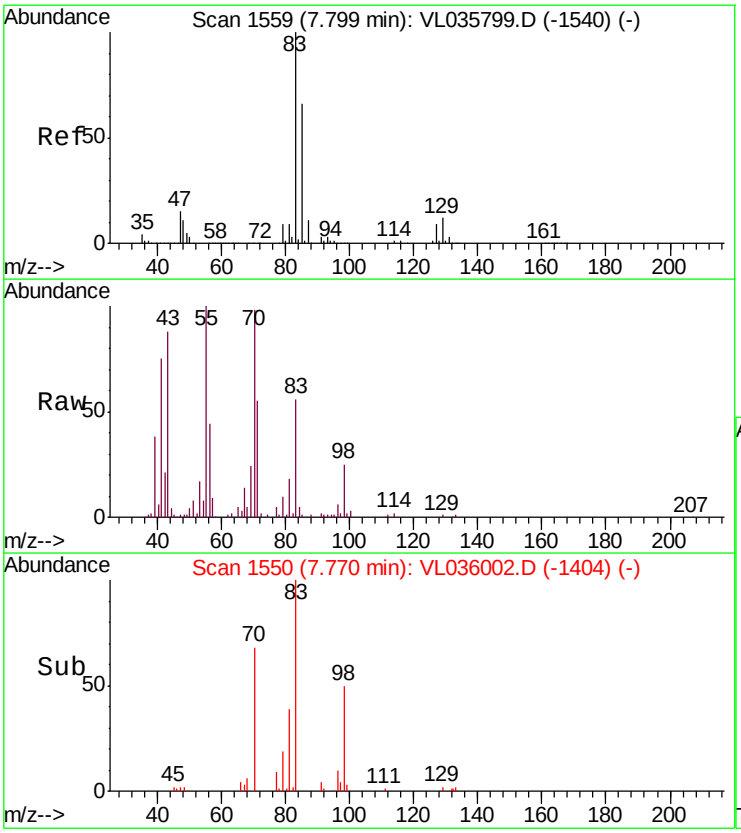
#41
Tetrahydrofuran
Concen: 5.289 ppbv
RT: 6.29 min Scan# 1091
Delta R.T. 0.24 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion: 42 Resp: 484621

Ion	Ratio	Lower	Upper
42	100		
72	0.2	45.4	68.0#
71	0.0	43.4	65.2#

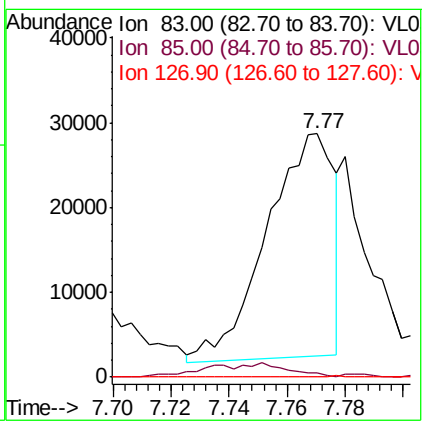


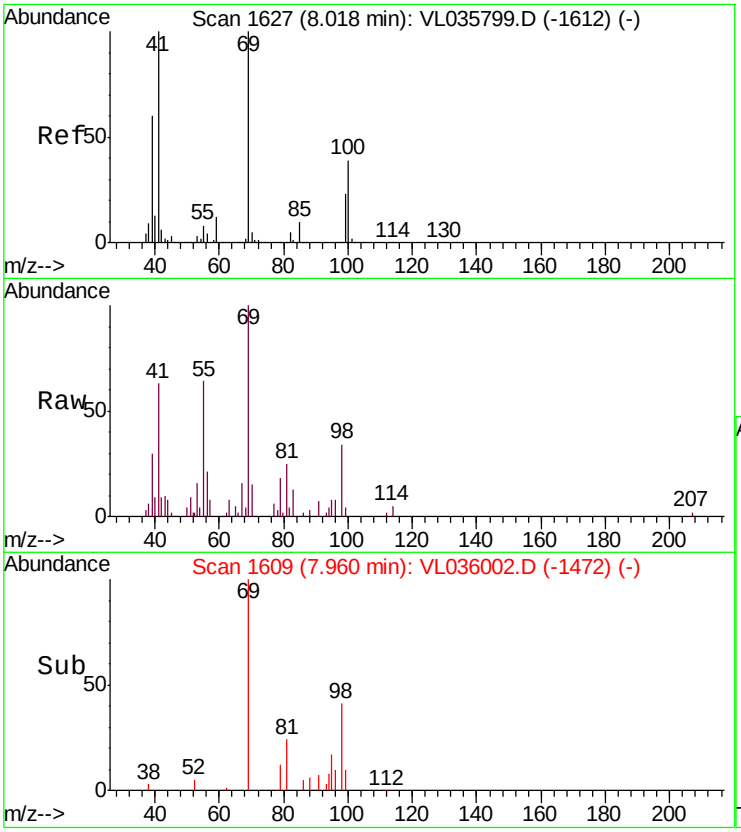


#42
Bromodichloromethane
Concen: 0.151 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.03 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion: 83 Resp: 42571

Ion	Ratio	Lower	Upper
83	100		
85	2.2	53.1	79.7#
127	0.0	7.3	10.9#



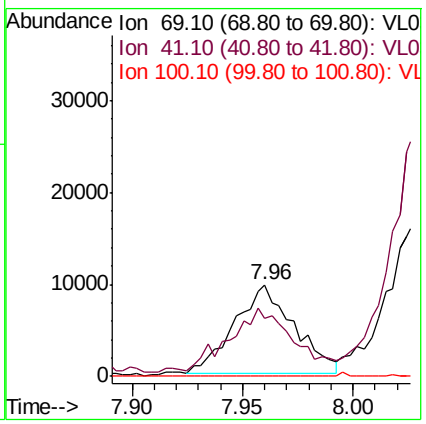


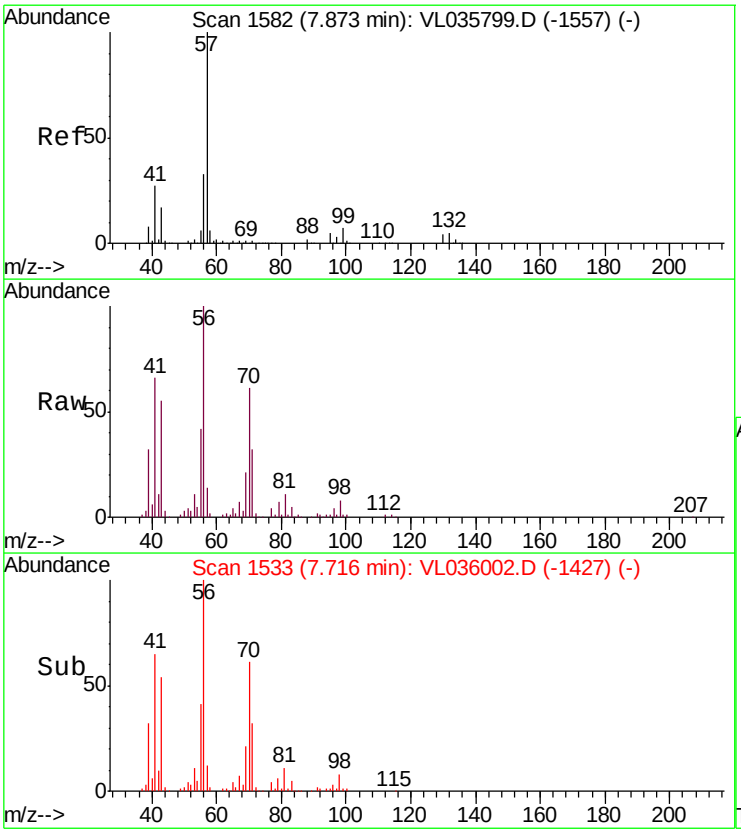
#43
Methyl Methacrylate
Concen: 0.129 ppbv
RT: 7.96 min Scan# 1609
Delta R.T. -0.06 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument : MSVOA_L
ClientSampleId : SVP-01

Tgt Ion: 69 Resp: 18228

Ion	Ratio	Lower	Upper
69	100		
41	0.0	81.1	121.7#
100	0.0	31.0	46.4#

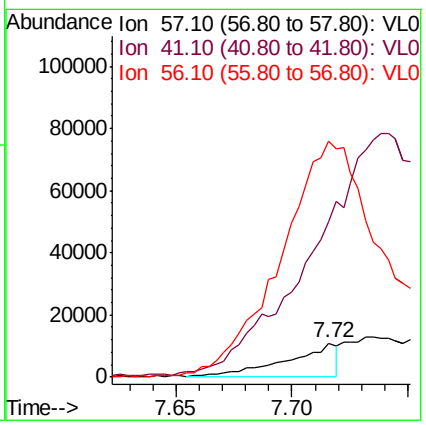


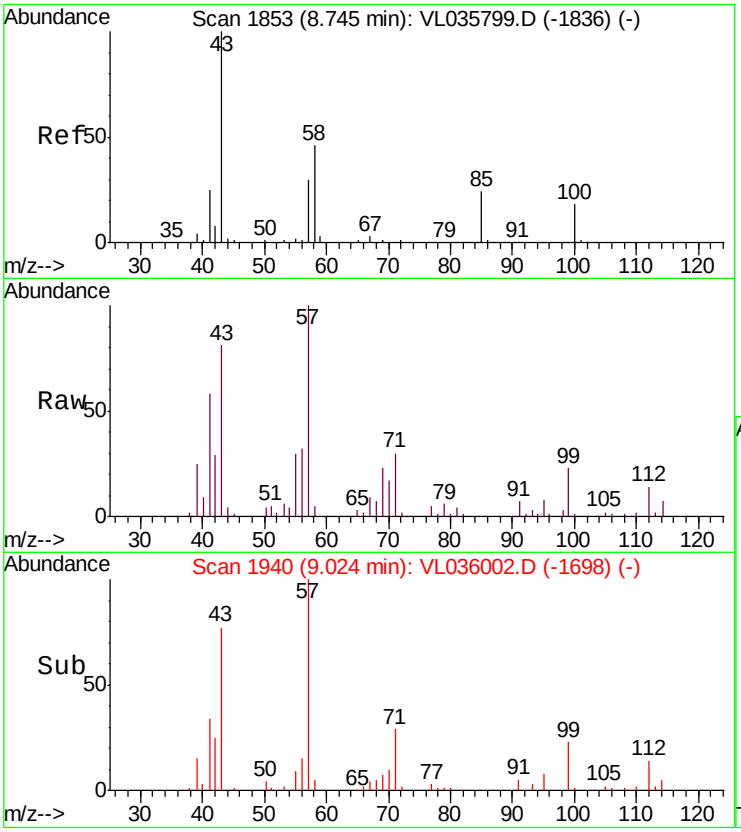


#44
2,2,4-Trimethylpentane
Concen: 0.033 ppbv
RT: 7.72 min Scan# 1533
Delta R.T. -0.16 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion: 57 Resp: 16031

Ion	Ratio	Lower	Upper
57	100		
41	1989.3	21.0	31.4#
56	1716.9	25.4	38.0#



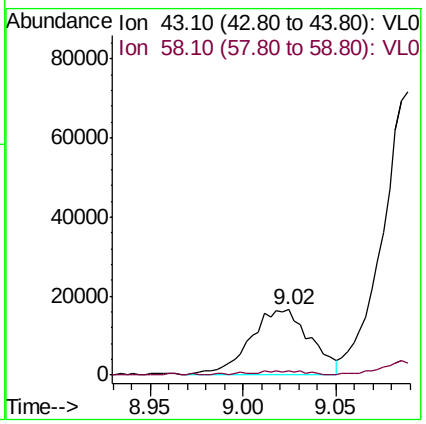


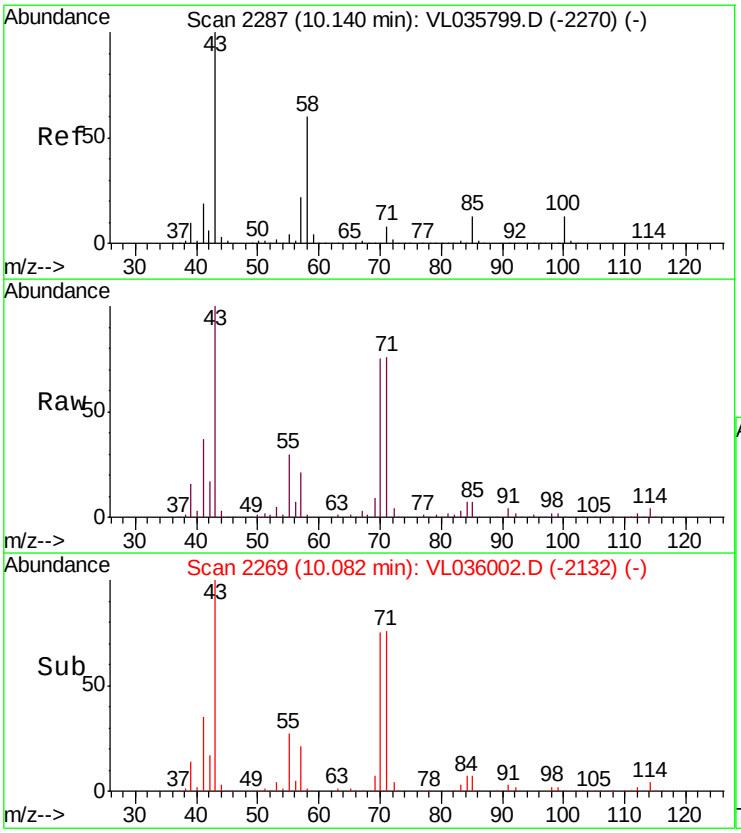
#50
4-Methyl-2-Pentanone
Concen: 0.148 ppbv
RT: 9.02 min Scan# 1940
Delta R.T. 0.28 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion: 43 Resp: 36440

Ion	Ratio	Lower	Upper
43	100		
58	6.5	36.0	54.0#

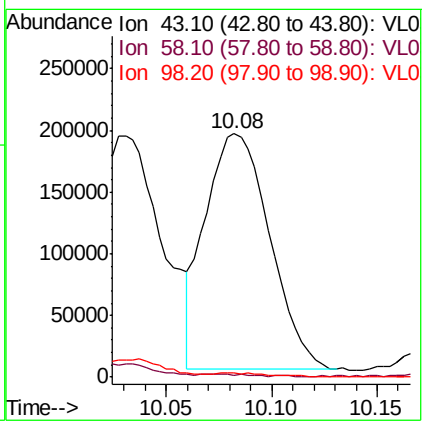


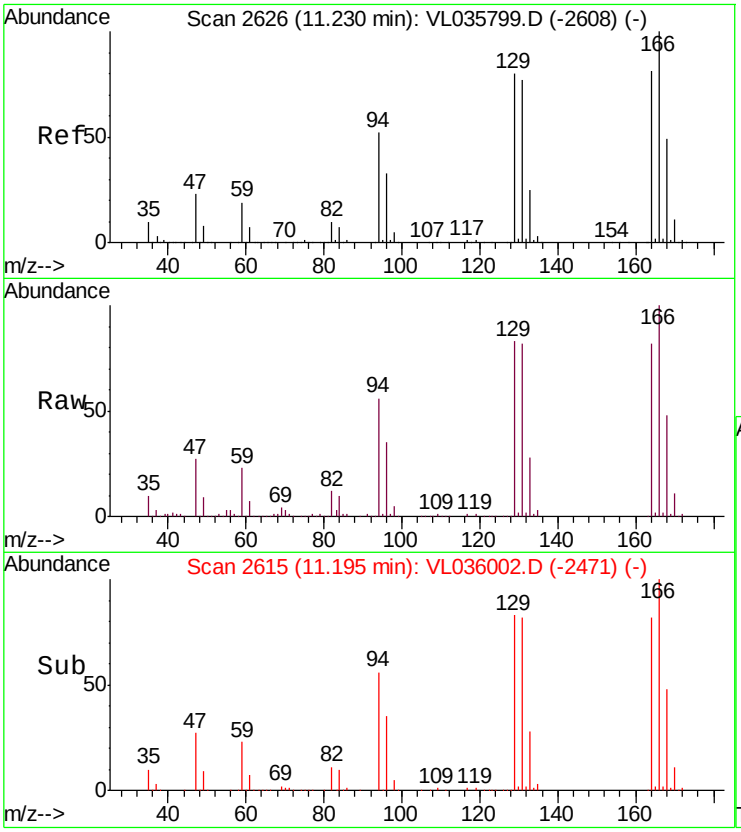


#51
2-Hexanone
Concen: 2.046 ppbv
RT: 10.08 min Scan# 2269
Delta R.T. -0.06 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion: 43 Resp: 405345

Ion	Ratio	Lower	Upper
43	100		
58	0.0	48.3	72.5#
98	0.0	0.6	0.8#



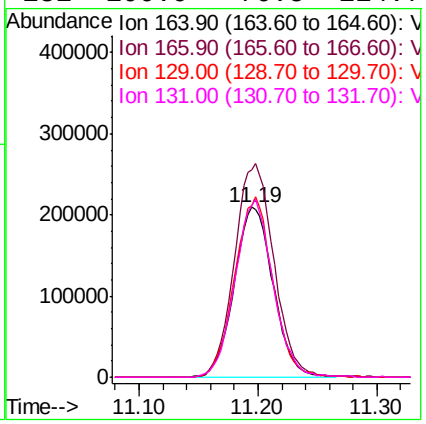


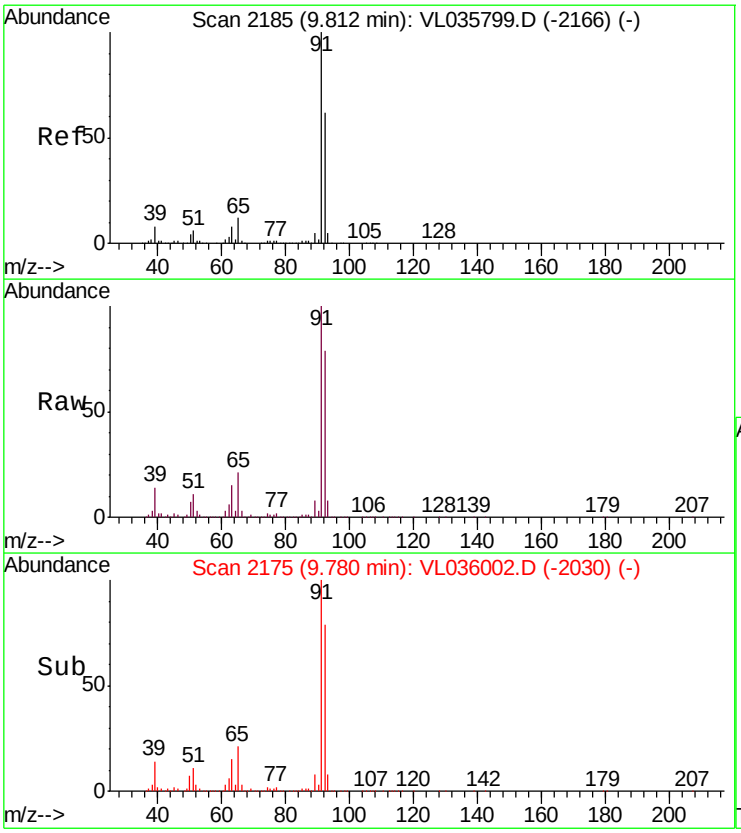
#52
Tetrachloroethene
Concen: 2.714 ppbv
RT: 11.19 min Scan# 2615
Delta R.T. -0.04 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument : MSVOA_L
ClientSampleId : SVP-01

Tgt Ion:164 Resp: 474976

Ion	Ratio	Lower	Upper
164	100		
166	122.3	99.3	148.9
129	100.9	79.3	118.9
131	100.9	76.5	114.7

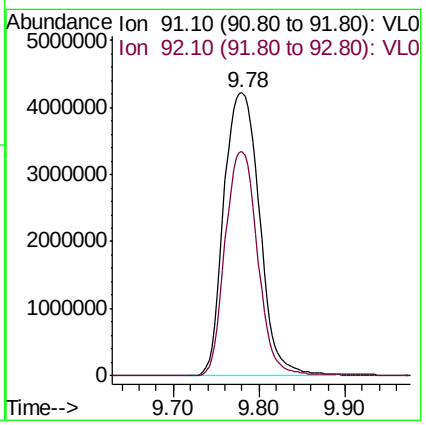


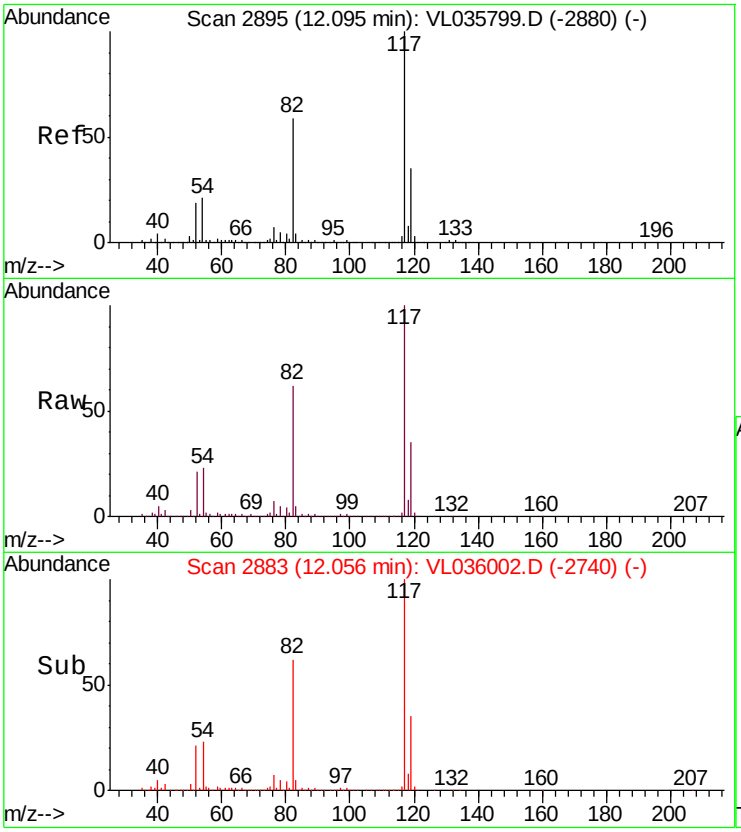


#53
Toluene
Concen: 27.377 ppbv
RT: 9.78 min Scan# 2175
Delta R.T. -0.03 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion: 91 Resp:12204612

Ion	Ratio	Lower	Upper
91	100		
92	72.6	49.8	74.6



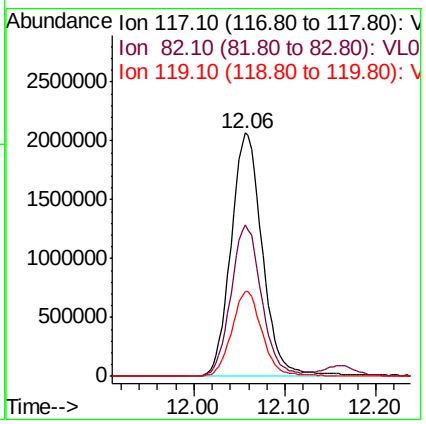


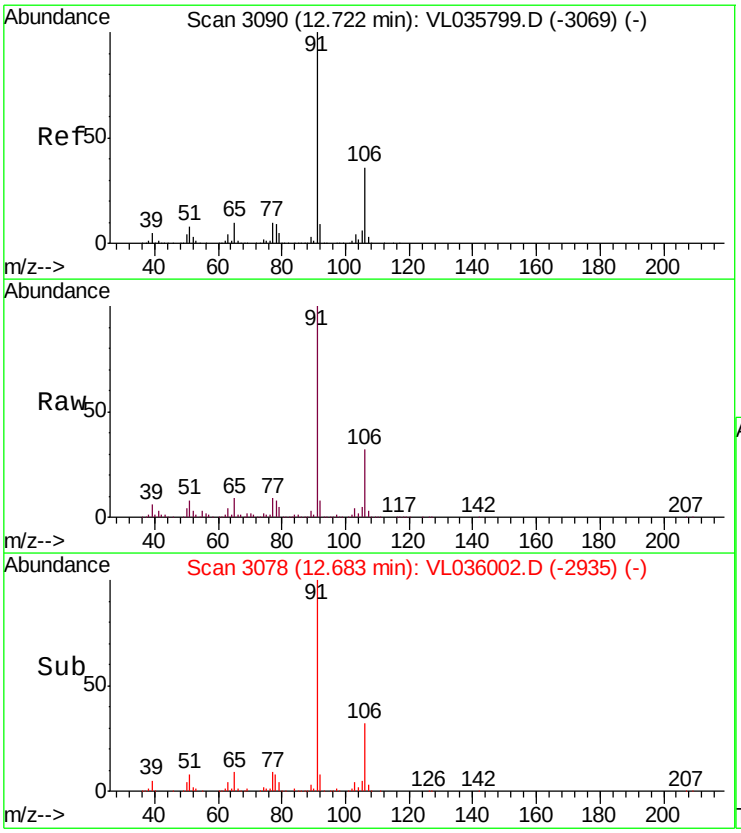
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.04 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion:117 Resp: 4937474

Ion	Ratio	Lower	Upper
117	100		
82	60.8	50.6	76.0
119	34.4	52.6	78.8#

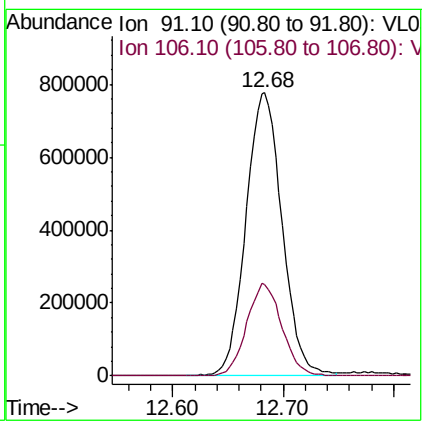


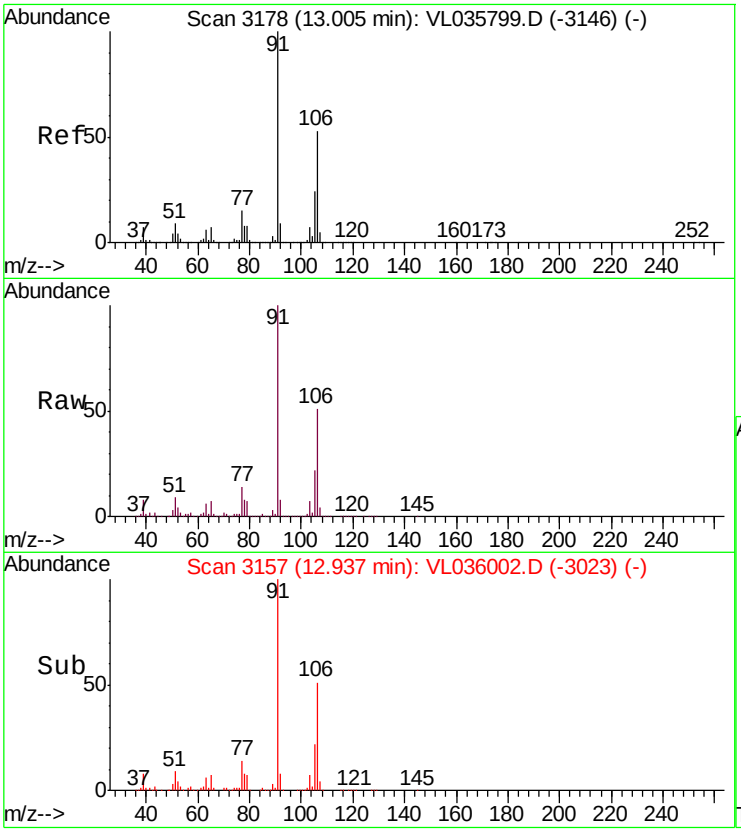


#58
Ethyl Benzene
Concen: 2.918 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.04 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion: 91 Resp: 1754670

Ion	Ratio	Lower	Upper
91	100		
106	32.3	28.6	43.0



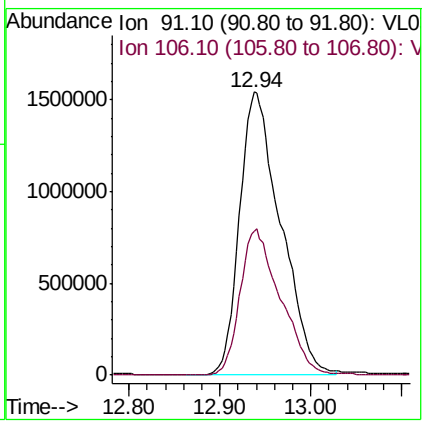


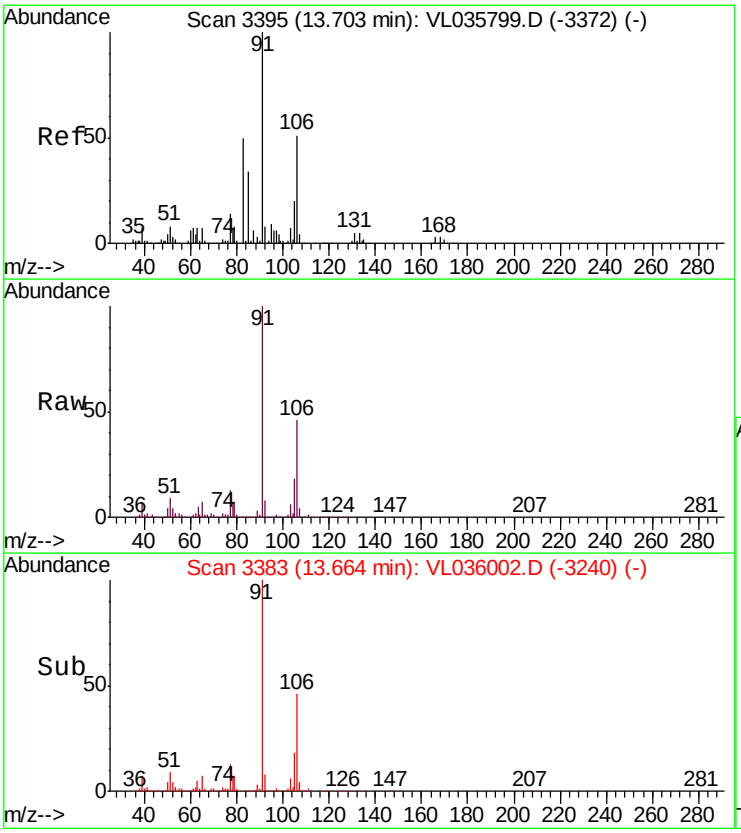
#59
m/p-Xylene
Concen: 9.459 ppbv
RT: 12.94 min Scan# 3157
Delta R.T. -0.07 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion: 91 Resp: 4812476

Ion	Ratio	Lower	Upper
91	100		
106	51.0	39.5	59.3

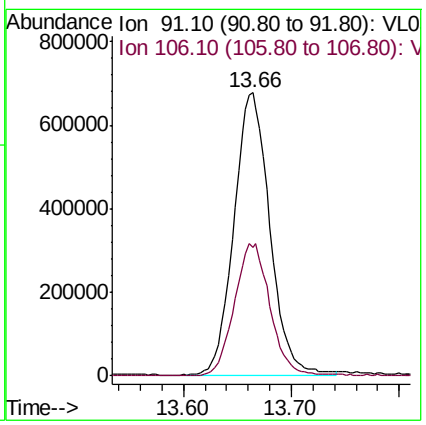


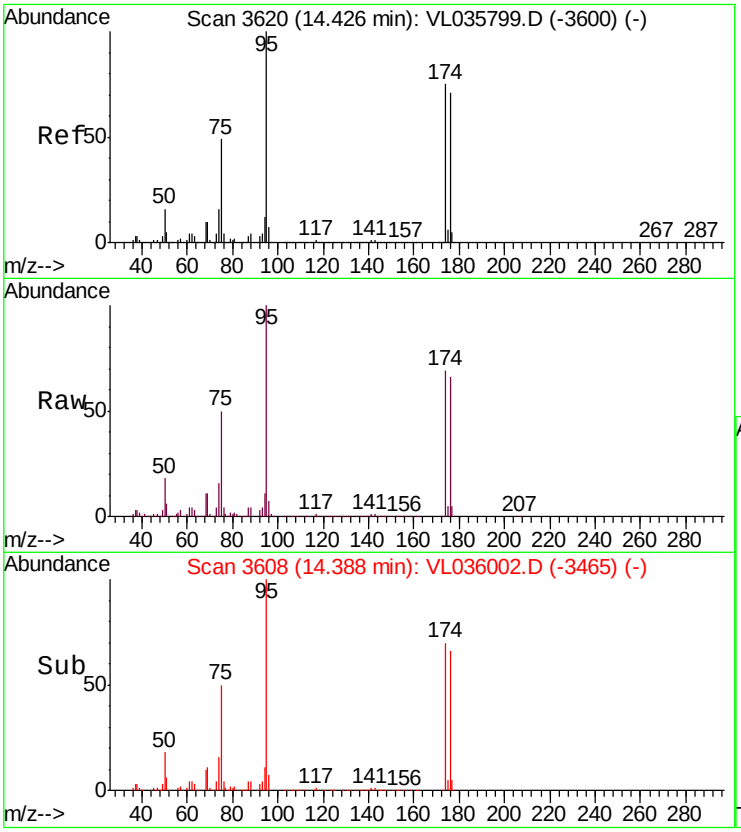


#60
o-Xylene
Concen: 3.160 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.04 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Tgt Ion: 91 Resp: 1564054

Ion	Ratio	Lower	Upper
91	100		
106	46.8	24.8	74.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.865 ppbv
RT: 14.39 min Scan# 3608
Delta R.T. -0.04 min
Lab File: VL036002.D
Acq: 24 Nov 2020 20:28

Instrument :
MSVOA_L
ClientSampleId :
SVP-01

Tgt Ion: 95 Resp: 3811384

Ion	Ratio	Lower	Upper
95	100		
174	68.3	59.8	89.6
175	4.8	4.3	6.5