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

Quantitation Report (Not Reviewed)

Data File : VL036004.D
Acq On : 24 Nov 2020 21:45
Operator : SY/AP
Sample : L4843-02 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SVP-02DL

Quant Time: Nov 25 00:37:23 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	1417739	10.00	ppbv		-0.03
33) 1,4-Difluorobenzene	7.14	114	5140640	10.00	ppbv		-0.04
55) Chlorobenzene-d5	12.06	117	4832233	10.00	ppbv		-0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	3608136	10.51	ppbv		-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.10%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	2.96	51	8677	0.051	ppbv	#	85
4) Chloromethane	3.11	50	3861	0.047	ppbv		92
9) Propene	3.18	41	1322652	21.285	ppbv		92
10) Heptane	8.10	43	351798	2.050	ppbv		99
11) Trichlorofluoromethane	3.92	101	13953	0.042	ppbv		95
13) Ethanol	3.60	45	5614	0.416	ppbv	#	42
15) Acetone	3.84	43	1910487	12.605	ppbv	#	55
16) 1,3-Butadiene	3.28	39	449721	6.892	ppbv	#	12
20) Methylene Chloride	4.31	84	78593	0.737	ppbv		91
21) Allyl Chloride	4.34	41	35374	0.432	ppbv	#	17
23) Vinyl Acetate	5.03	43	242269	1.140	ppbv	#	1
25) Ethyl Acetate	5.66	43	703800	2.357	ppbv	#	72
26) Hexane	5.66	57	1226894	7.451	ppbv	#	46
27) Carbon Disulfide	4.52	76	114807	0.465	ppbv	#	88
30) Cyclohexane	7.11	84	37682	0.210	ppbv	#	6
32) 1,1,1-Trichloroethane	6.48	97	1126964	3.337	ppbv		97
34) 2-Butanone	5.23	43	30362	0.182	ppbv		92
36) Benzene	6.86	78	107600	0.282	ppbv	#	92
37) 1,2-Dichloroethane	6.48	62	66061	0.382	ppbv	#	1
39) 1,2-Dichloropropane	7.14	63	1089780	8.470	ppbv	#	37
41) Tetrahydrofuran	5.95	42	51968	0.548	ppbv	#	24
51) 2-Hexanone	10.08	43	31869	0.156	ppbv	#	23
53) Toluene	9.77	91	59121	0.128	ppbv		99

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

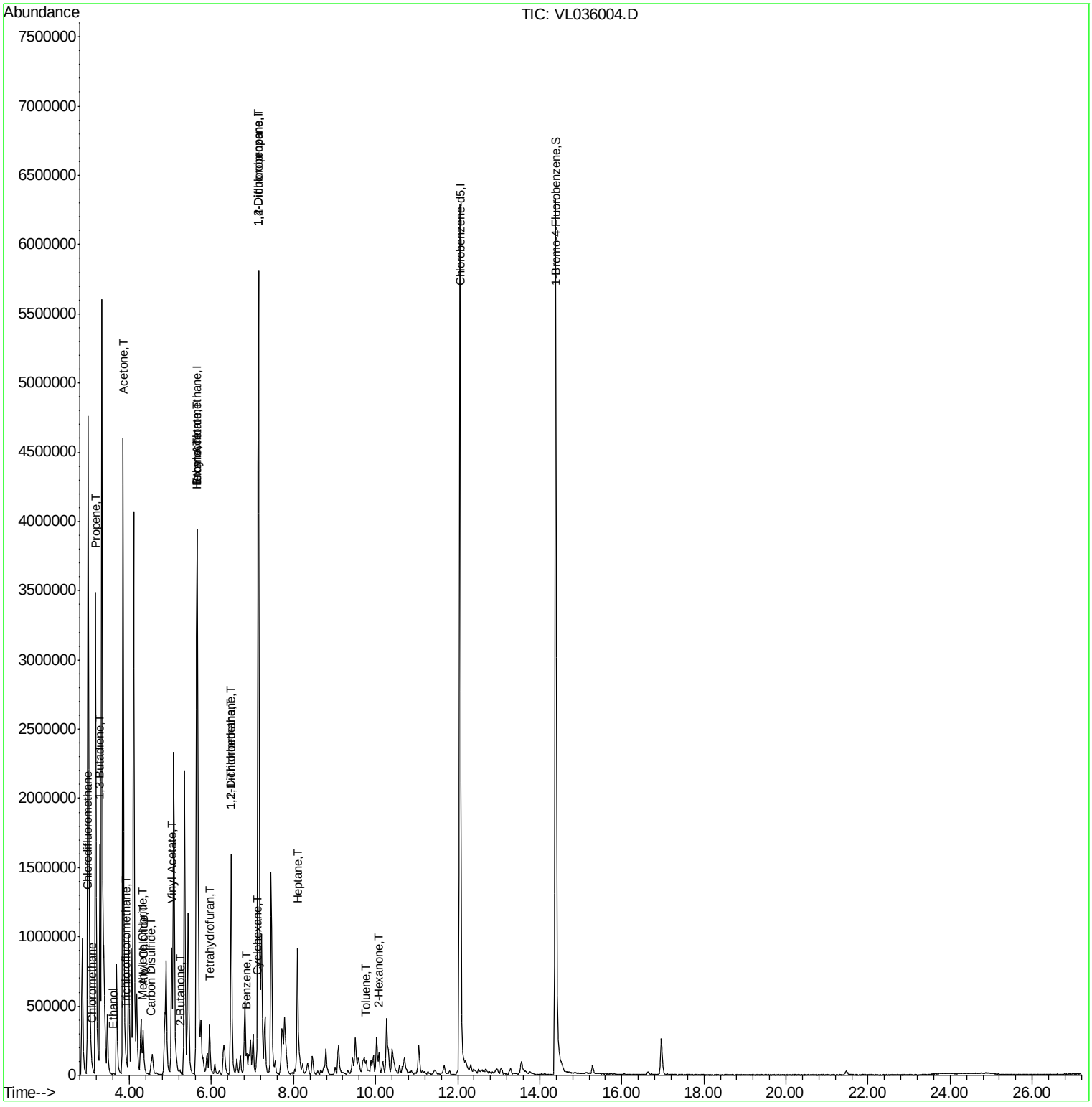
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL112420\

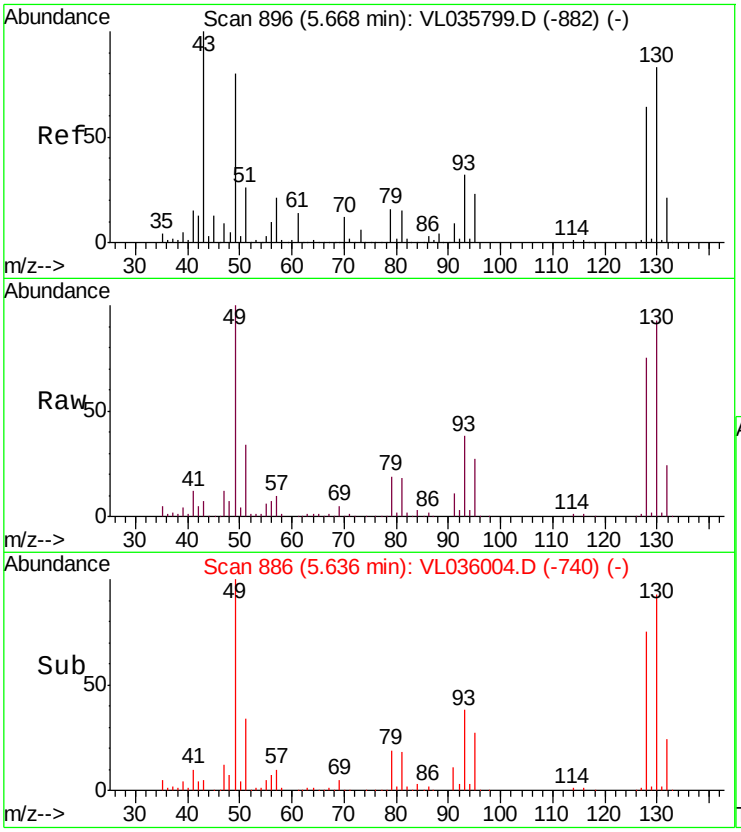
Quantitation Report (Not Reviewed)

Data File : VL036004.D
Acq On : 24 Nov 2020 21:45
Operator : SY/AP
Sample : L4843-02 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SVP-02DL

Quant Time: Nov 25 00:37:23 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



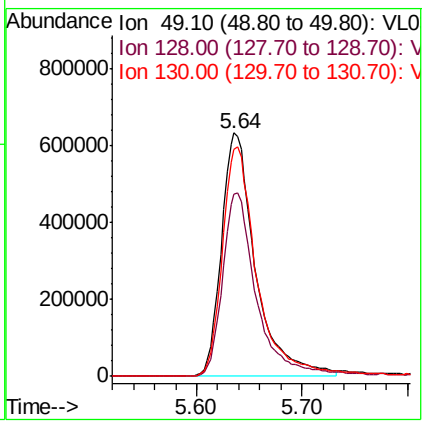


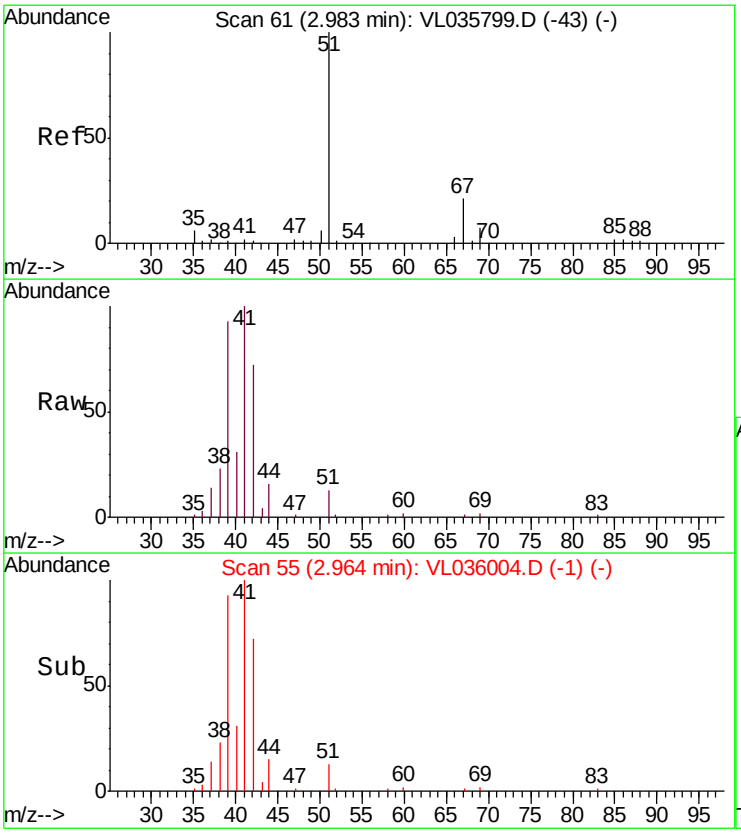
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 886
Delta R.T. -0.03 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Instrument :
MSVOA_L
ClientSampleId :
SVP-02DL

Tgt Ion: 49 Resp: 1417739

Ion	Ratio	Lower	Upper
49	100		
128	76.2	41.5	124.6
130	98.3	53.7	161.1

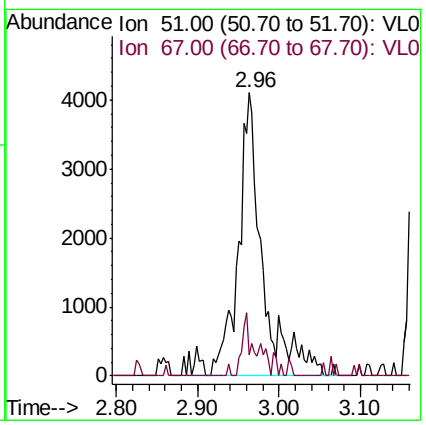


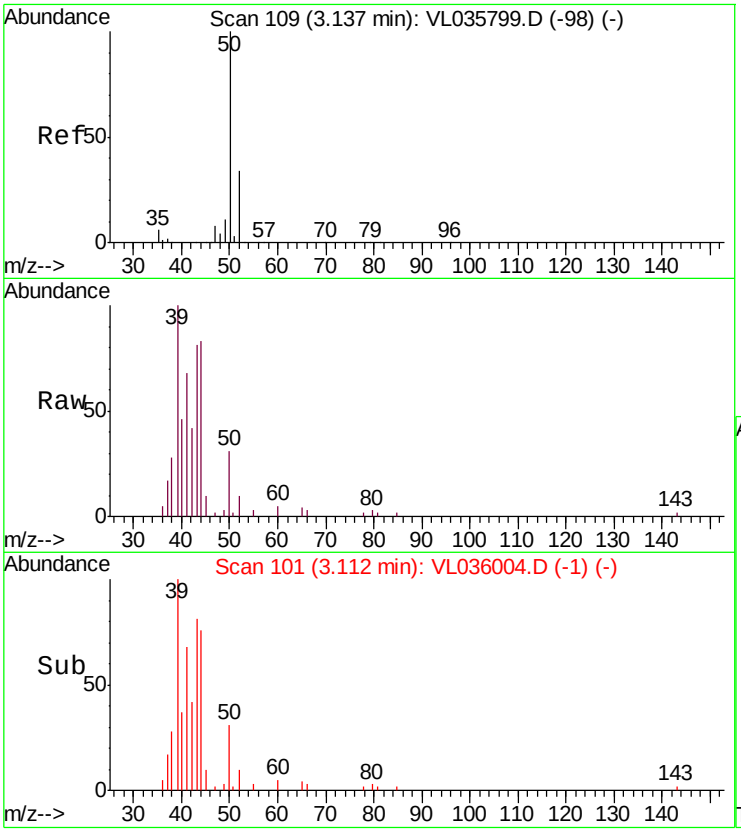


#3
Chlorodifluoromethane
Concen: 0.051 ppbv
RT: 2.96 min Scan# 55
Delta R.T. -0.02 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Tgt Ion: 51 Resp: 8677

Ion	Ratio	Lower	Upper
51	100		
67	14.2	17.0	25.4#



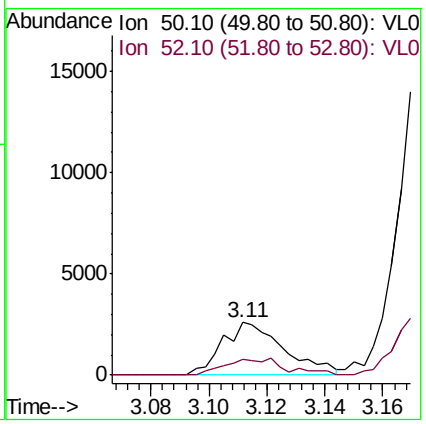


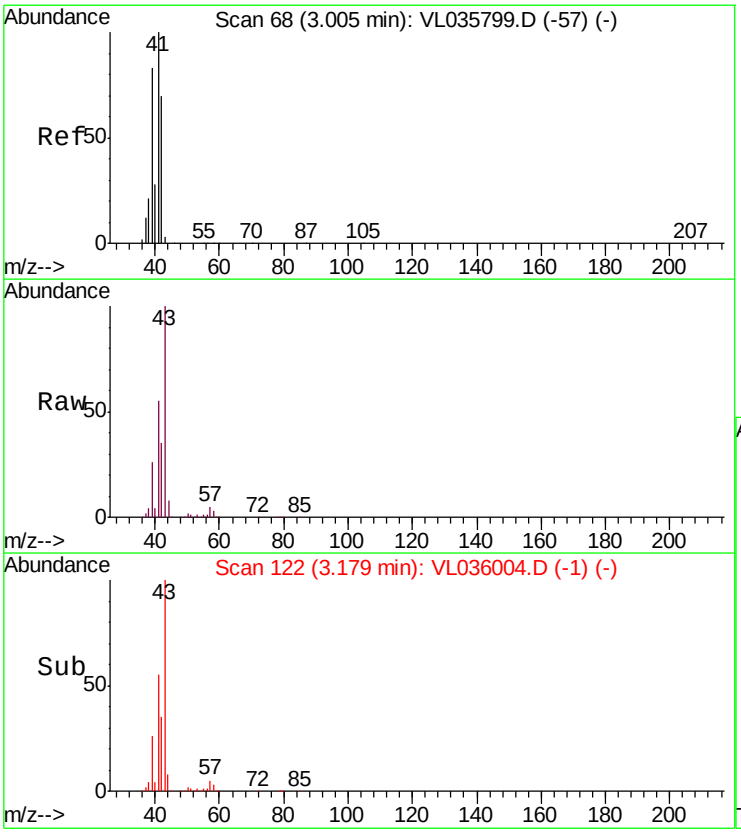
#4
Chloromethane
Concen: 0.047 ppbv
RT: 3.11 min Scan# 101
Delta R.T. -0.03 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Instrument :
MSVOA_L
ClientSampleId :
SVP-02DL

Tgt Ion: 50 Resp: 3861

Ion	Ratio	Lower	Upper
50	100		
52	29.4	27.1	40.7

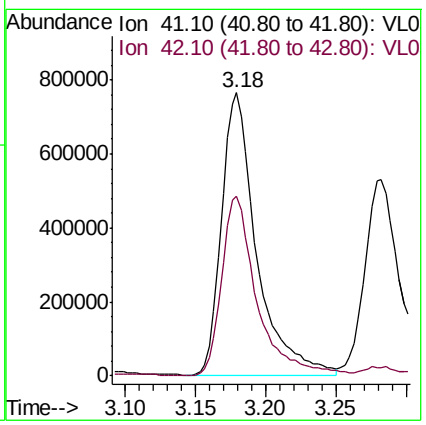


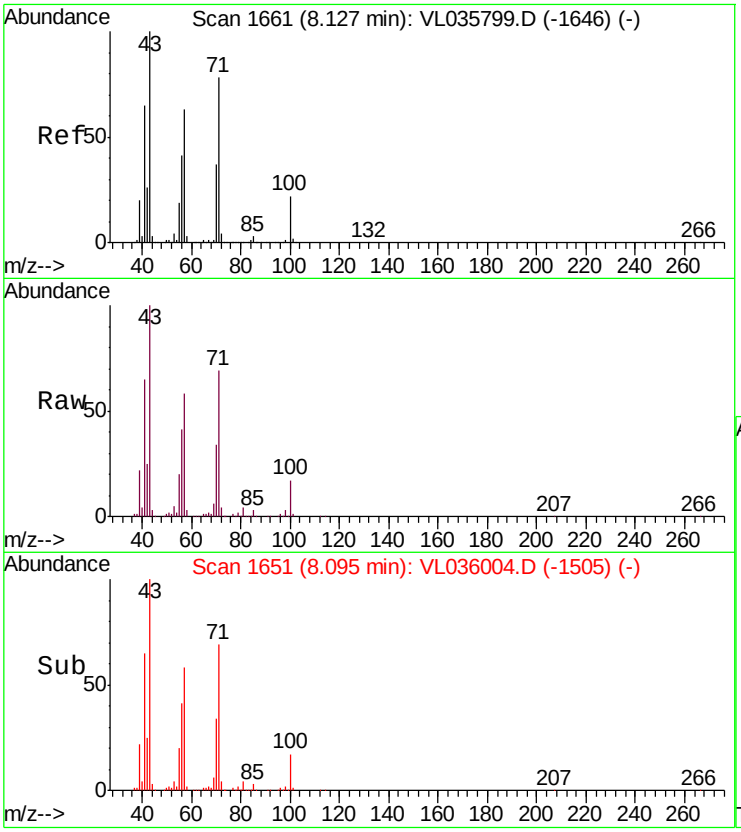


#9
Propene
Concen: 21.285 ppbv
RT: 3.18 min Scan# 122
Delta R.T. 0.17 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Tgt Ion: 41 Resp: 1322652

Ion	Ratio	Lower	Upper
41	100		
42	63.8	56.2	84.4



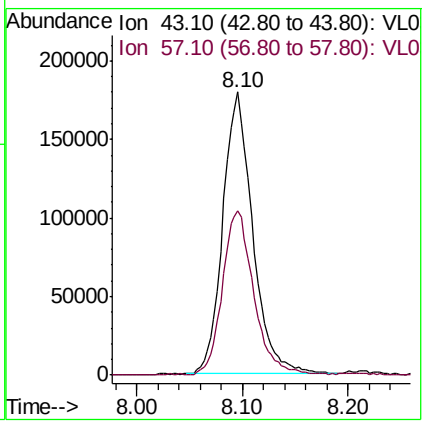


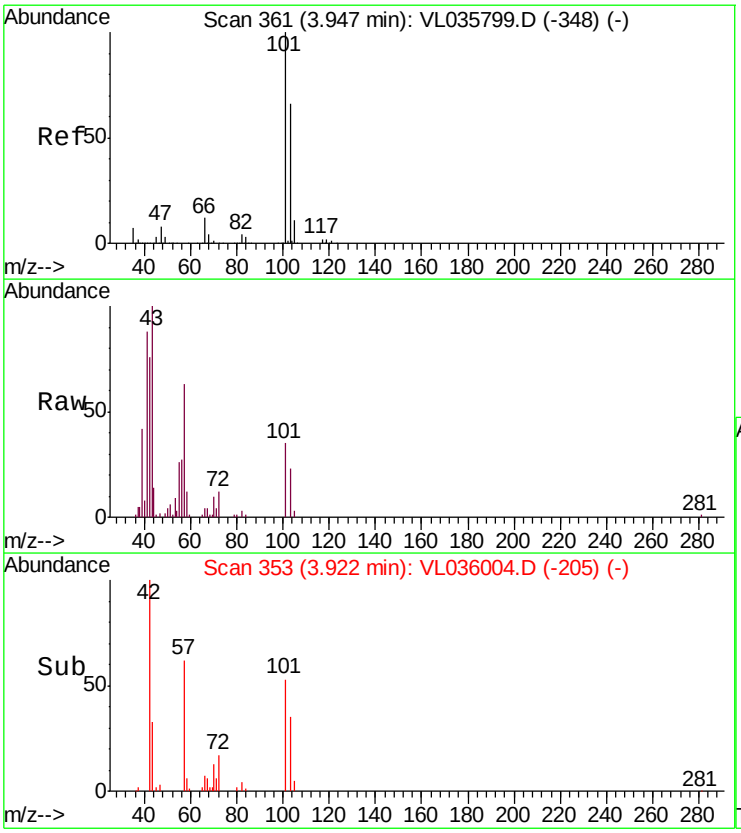
#10
Heptane
Concen: 2.050 ppbv
RT: 8.10 min Scan# 1651
Delta R.T. -0.03 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Instrument :
MSVOA_L
ClientSampleId :
SVP-02DL

Tgt Ion: 43 Resp: 351798

Ion	Ratio	Lower	Upper
43	100		
57	62.0	50.0	75.0

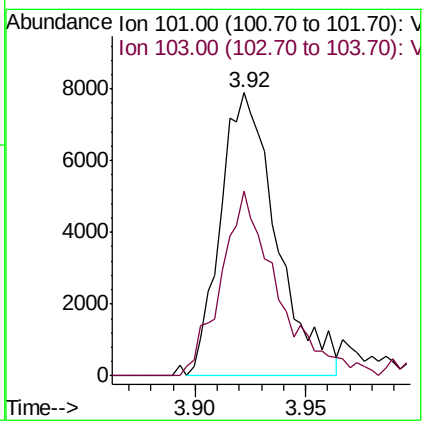


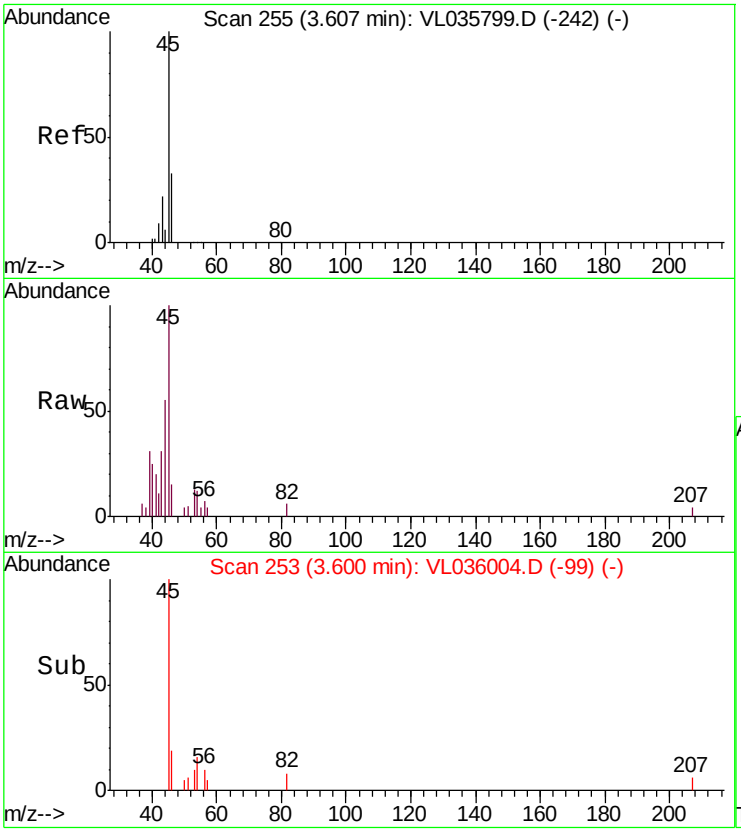


#11
Trichlorofluoromethane
Concen: 0.042 ppbv
RT: 3.92 min Scan# 353
Delta R.T. -0.03 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Tgt Ion:101 Resp: 13953

Ion	Ratio	Lower	Upper
101	100		
103	62.0	53.0	79.4



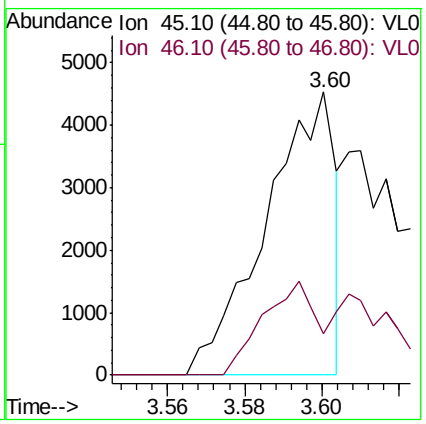


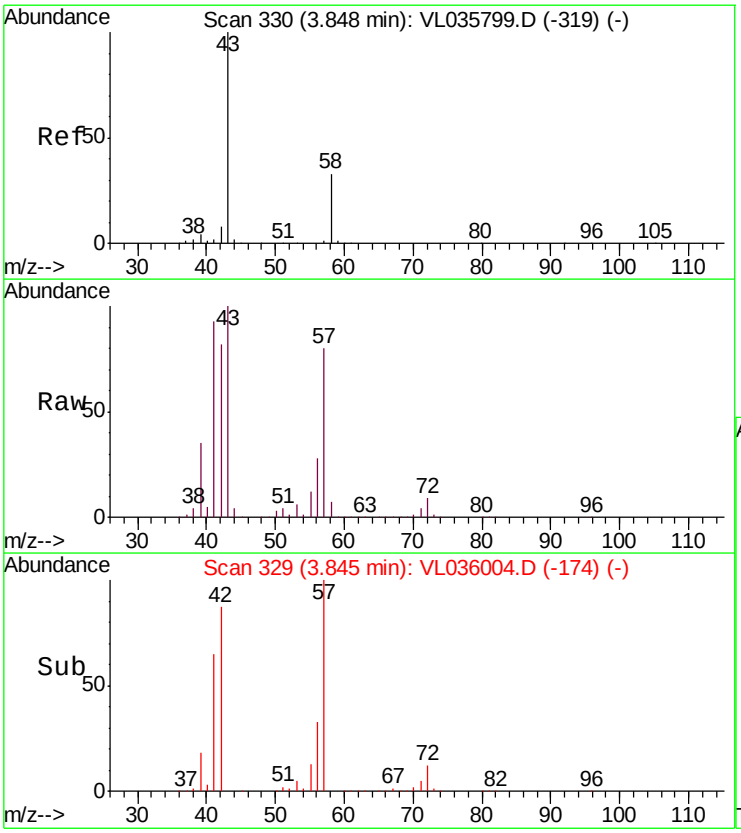
#13
Ethanol
Concen: 0.416 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Instrument :
MSVOA_L
ClientSampleId :
SVP-02DL

Tgt Ion: 45 Resp: 5614

Ion	Ratio	Lower	Upper
45	100		
46	76.1	16.1	64.5#

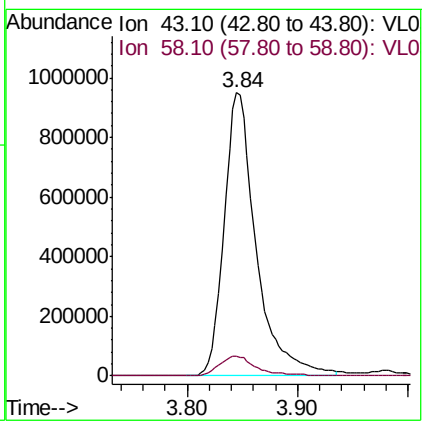


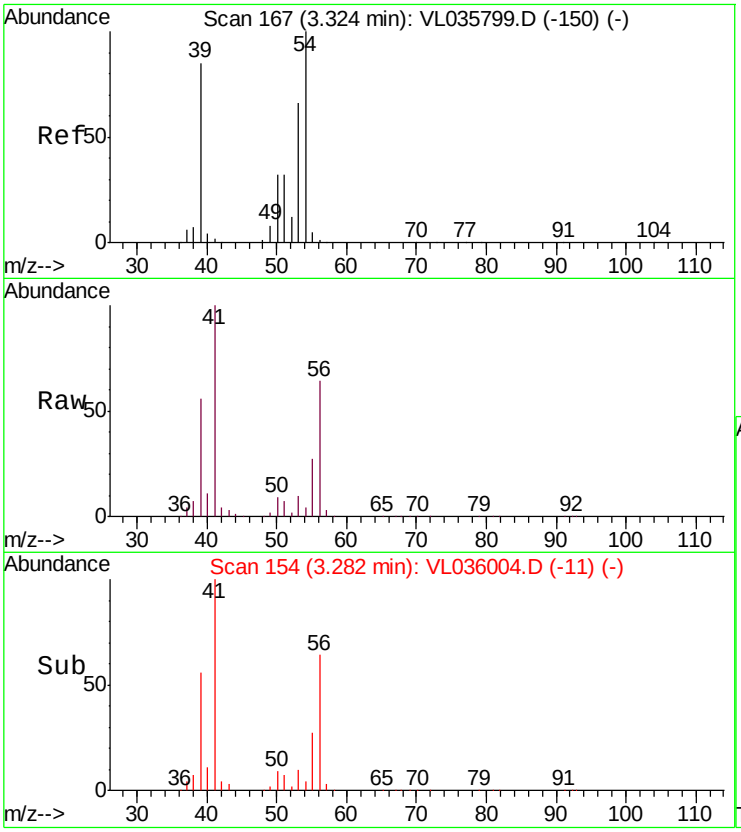


#15
Acetone
Concen: 12.605 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Tgt Ion: 43 Resp: 1910487

Ion	Ratio	Lower	Upper
43	100		
58	8.5	27.5	41.3#



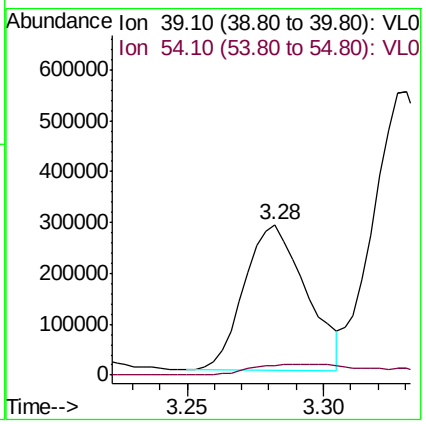


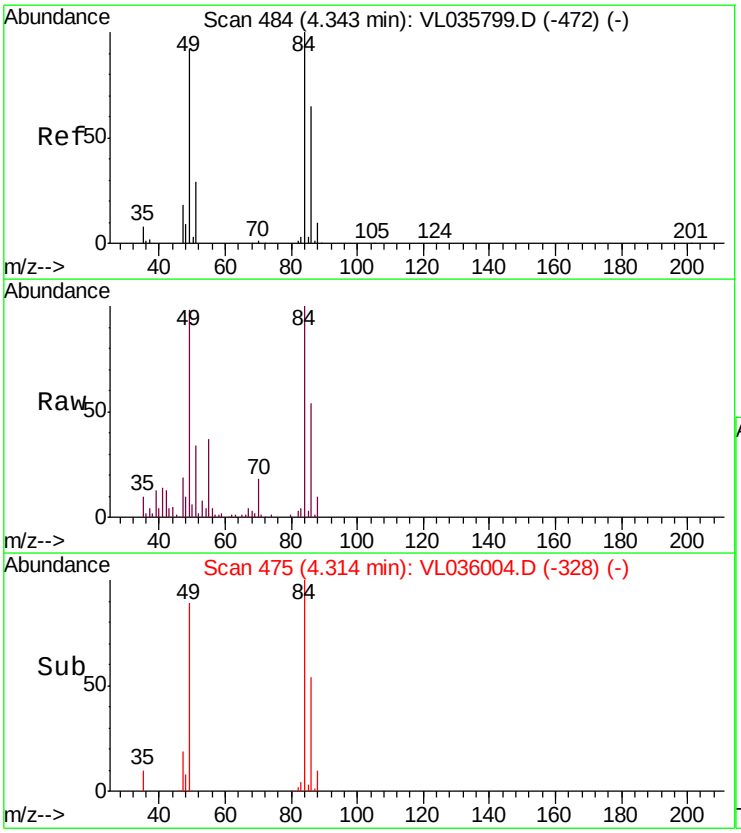
#16
1,3-Butadiene
Concen: 6.892 ppbv
RT: 3.28 min Scan# 154
Delta R.T. -0.04 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Instrument :
MSVOA_L
ClientSampleId :
SVP-02DL

Tgt Ion: 39 Resp: 449721

Ion	Ratio	Lower	Upper
39	100		
54	16.8	87.1	130.7#

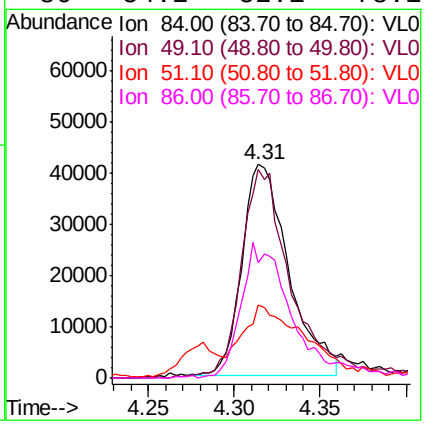


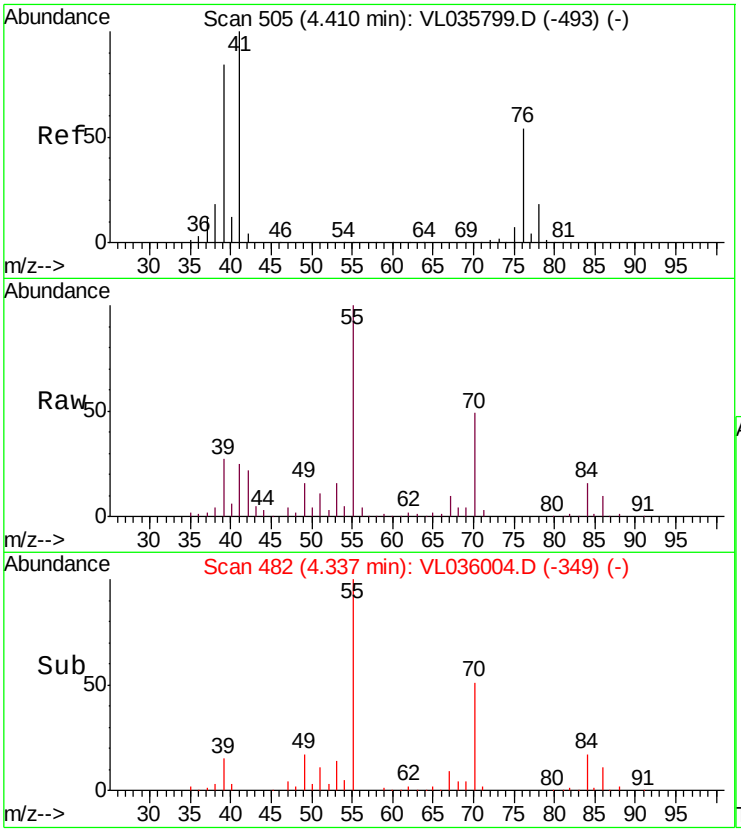


#20
Methylene Chloride
Concen: 0.737 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.03 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Tgt Ion: 84 Resp: 78593

Ion	Ratio	Lower	Upper
84	100		
49	97.7	73.8	110.8
51	25.5	23.0	34.4
86	54.2	52.1	78.1



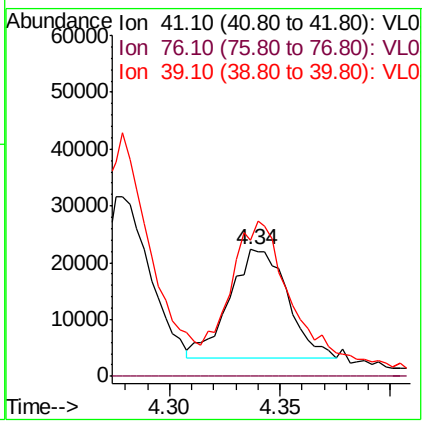


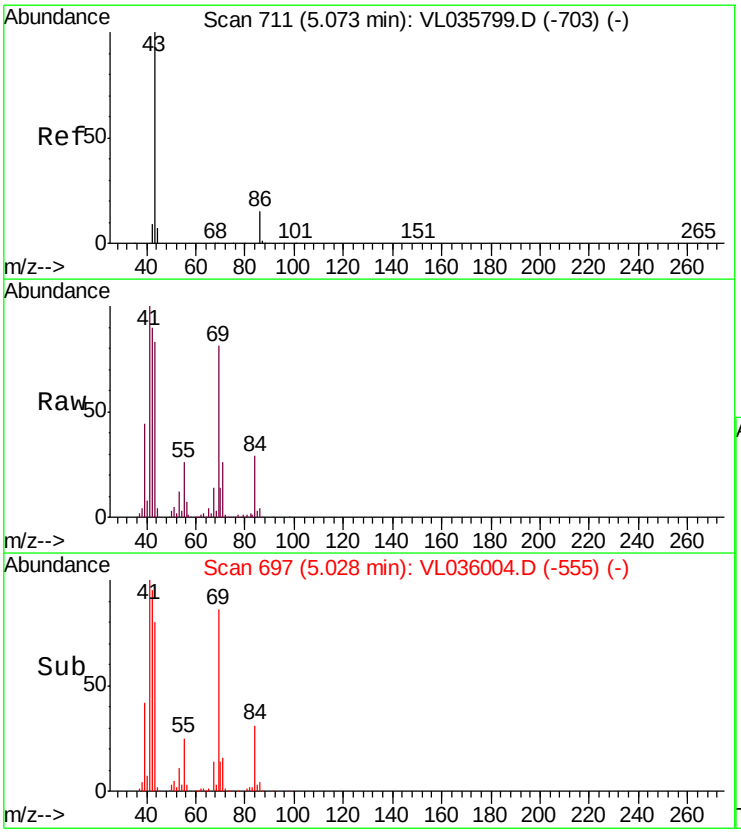
#21
Allyl Chloride
Concen: 0.432 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.07 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Instrument : MSVOA_L
ClientSampleId : SVP-02DL

Tgt Ion: 41 Resp: 35374

Ion	Ratio	Lower	Upper
41	100		
76	0.0	42.6	63.8#
39	163.6	67.0	100.4#

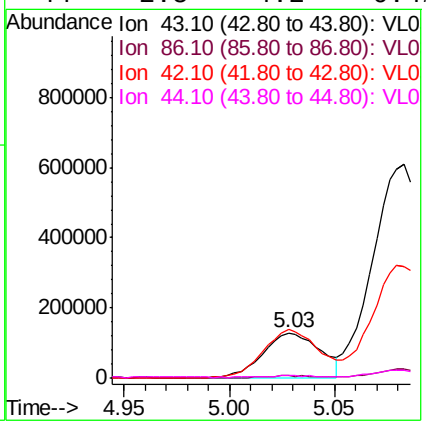


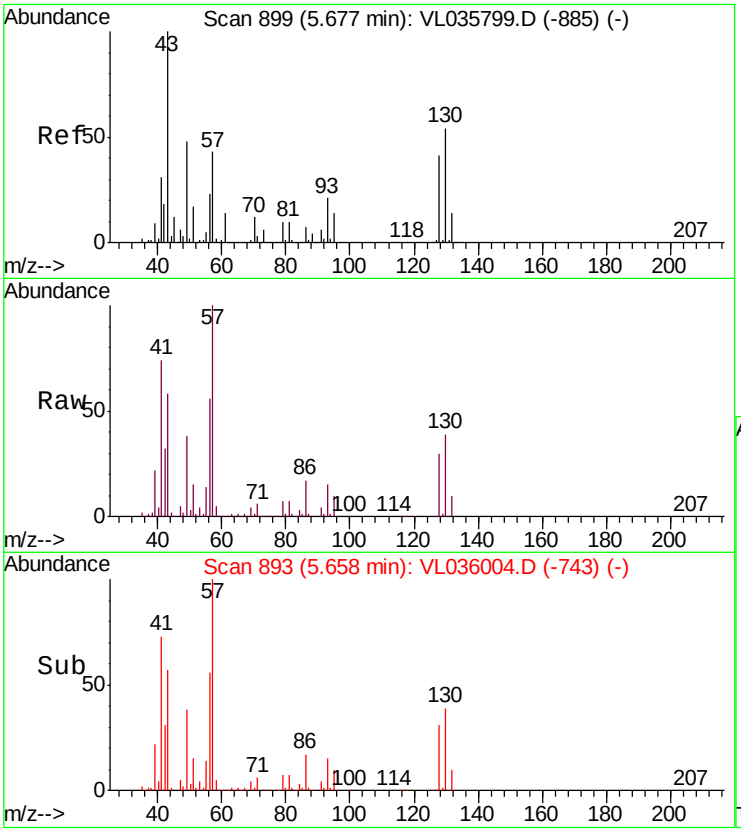


#23
Vinyl Acetate
Concen: 1.140 ppbv
RT: 5.03 min Scan# 697
Delta R.T. -0.04 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Tgt Ion: 43 Resp: 242269

Ion	Ratio	Lower	Upper
43	100		
86	5.0	9.8	14.6#
42	107.5	8.1	12.1#
44	2.5	4.2	6.4#



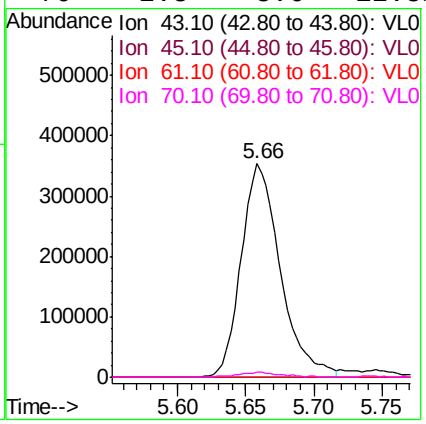


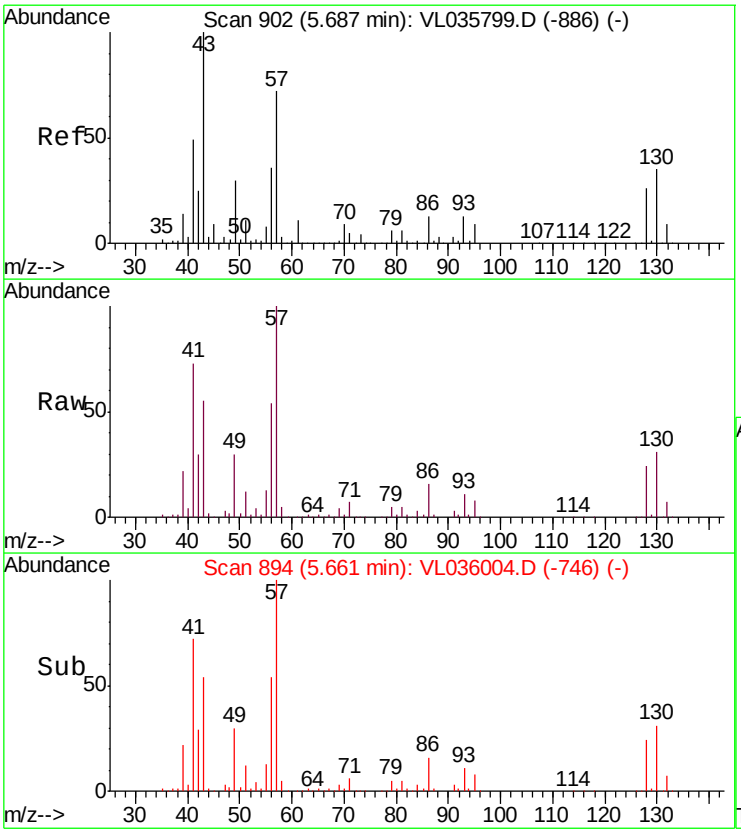
#25
Ethyl Acetate
Concen: 2.357 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Instrument : MSVOA_L
ClientSampleId : SVP-02DL

Tgt Ion: 43 Resp: 703800

Ion	Ratio	Lower	Upper
43	100		
45	0.2	8.5	12.7#
61	0.2	10.7	16.1#
70	2.8	8.6	12.8#

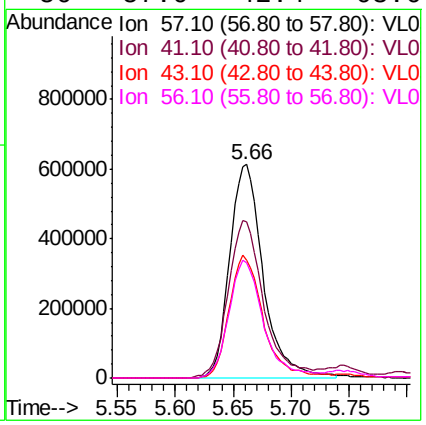


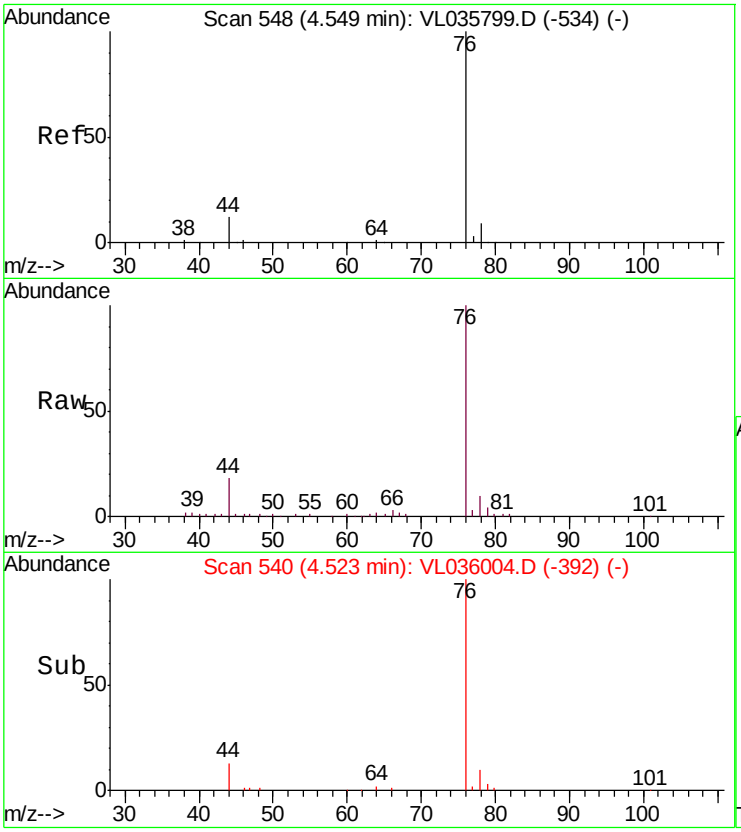


#26
Hexane
Concen: 7.451 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.03 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Tgt Ion: 57 Resp: 1226894

Ion	Ratio	Lower	Upper
57	100		
41	77.8	58.9	88.3
43	60.3	150.2	225.2#
56	57.0	42.4	63.6



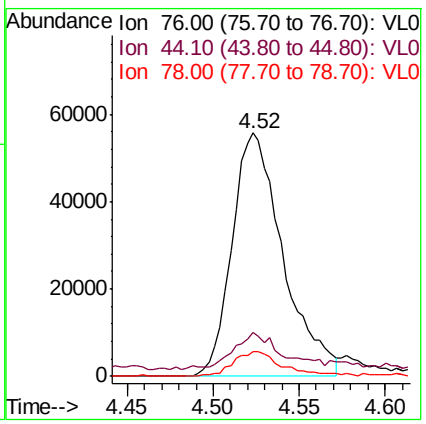


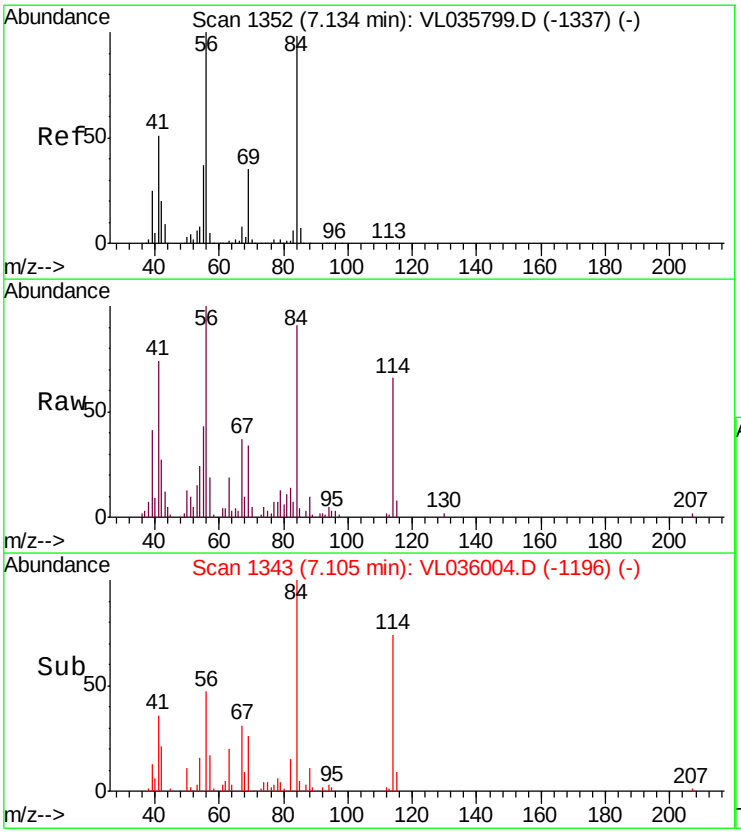
#27
Carbon Disulfide
Concen: 0.465 ppbv
RT: 4.52 min Scan# 540
Delta R.T. -0.03 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Instrument : MSVOA_L
ClientSampleId : SVP-02DL

Tgt Ion: 76 Resp: 114807

Ion	Ratio	Lower	Upper
76	100		
44	21.2	9.9	14.9#
78	10.1	8.1	12.1

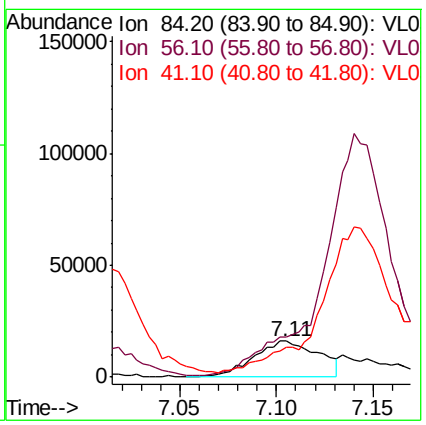


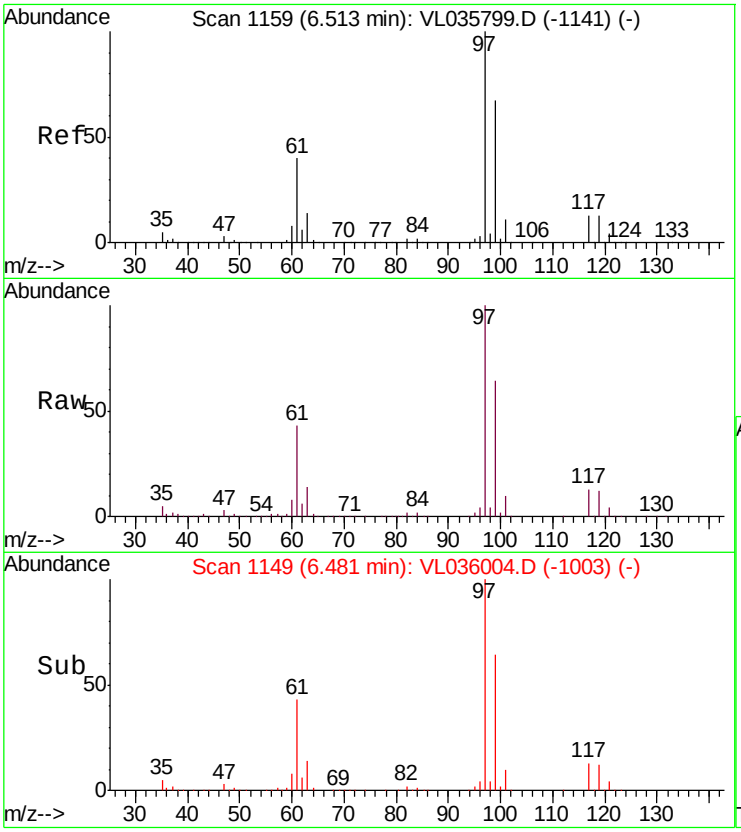


#30
Cyclohexane
Concen: 0.210 ppbv
RT: 7.11 min Scan# 1343
Delta R.T. -0.03 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Tgt Ion: 84 Resp: 37682

Ion	Ratio	Lower	Upper
84	100		
56	0.0	86.4	129.6#
41	0.0	42.1	63.1#



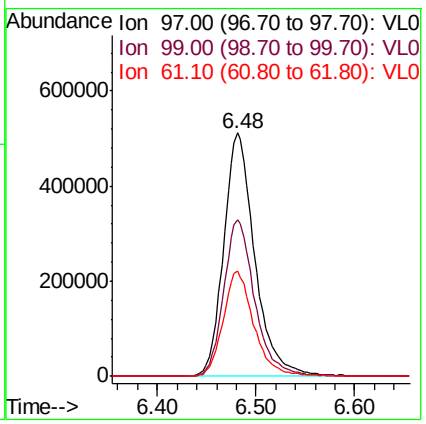


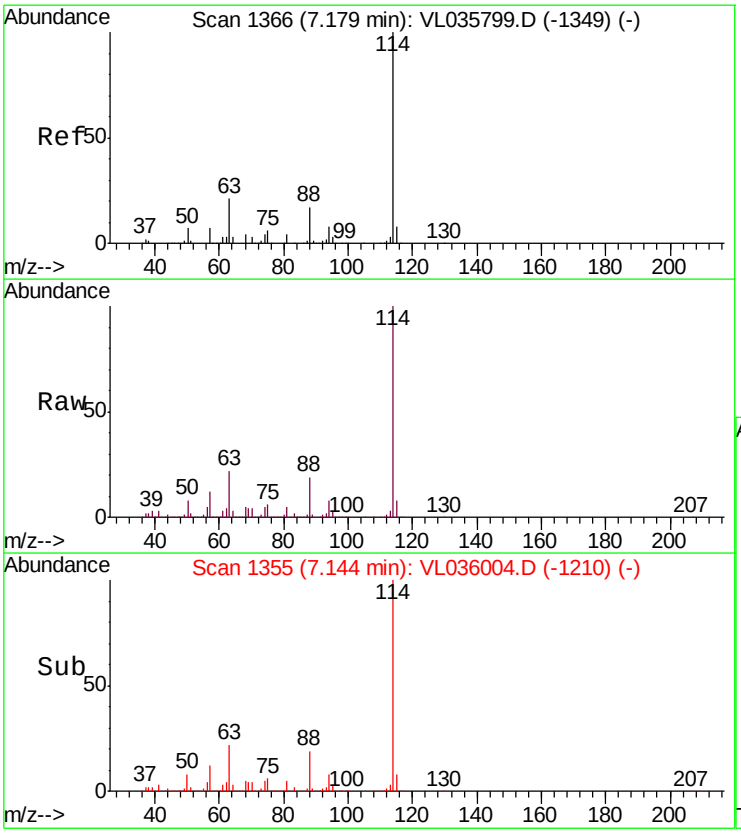
#32
1,1,1-Trichloroethane
Concen: 3.337 ppbv
RT: 6.48 min Scan# 1149
Delta R.T. -0.03 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Instrument :
MSVOA_L
ClientSampleId :
SVP-02DL

Tgt Ion: 97 Resp: 1126964

Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.3	78.5
61	43.1	32.0	48.0

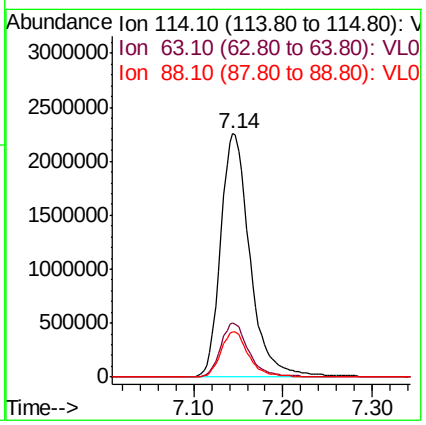


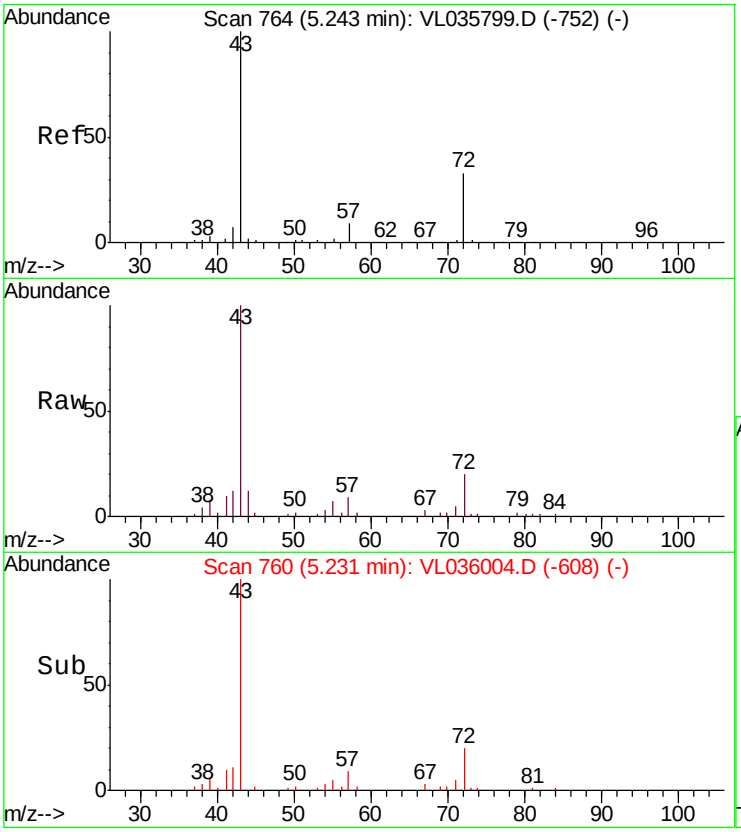


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.04 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Tgt Ion:114 Resp: 5140640

Ion	Ratio	Lower	Upper
114	100		
63	21.5	16.1	24.1
88	17.8	13.7	20.5



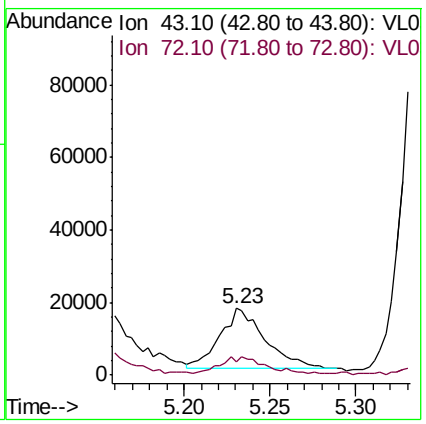


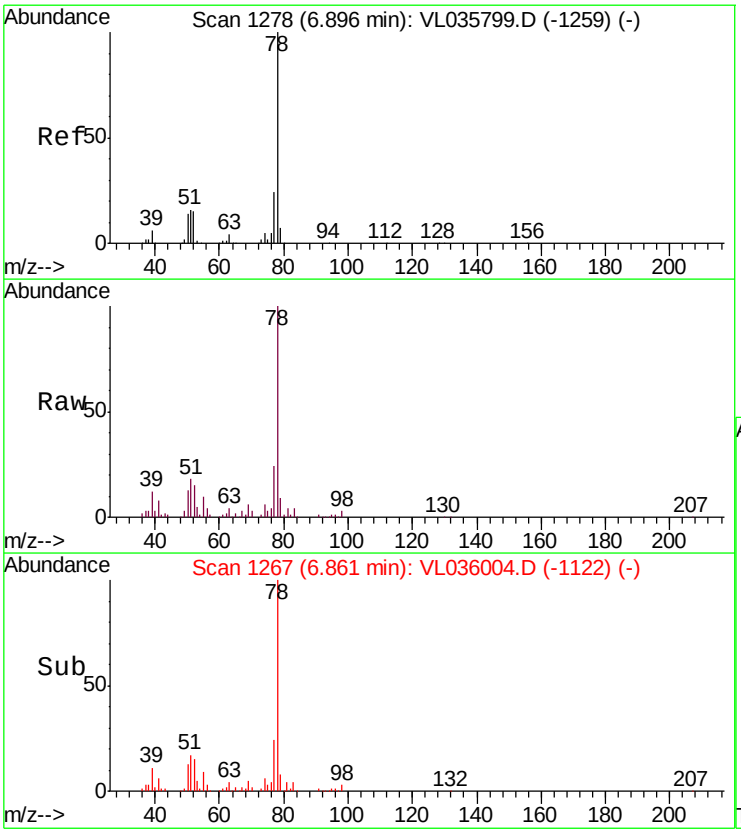
#34
2-Butanone
Concen: 0.182 ppbv
RT: 5.23 min Scan# 760
Delta R.T. -0.01 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Instrument :
MSVOA_L
ClientSampleId :
SVP-02DL

Tgt Ion: 43 Resp: 30362

Ion	Ratio	Lower	Upper
43	100		
72	37.7	26.5	39.7

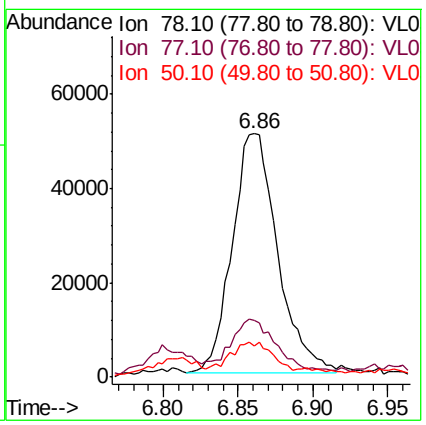


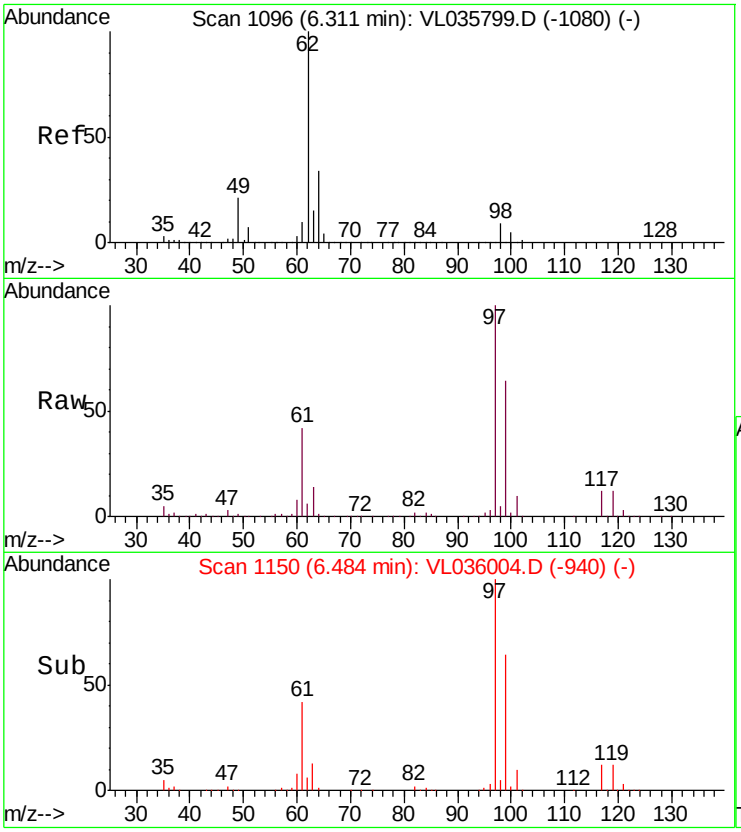


#36
Benzene
Concen: 0.282 ppbv
RT: 6.86 min Scan# 1267
Delta R.T. -0.04 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Tgt Ion: 78 Resp: 107600

Ion	Ratio	Lower	Upper
78	100		
77	20.9	19.3	28.9
50	10.4	11.4	17.2#



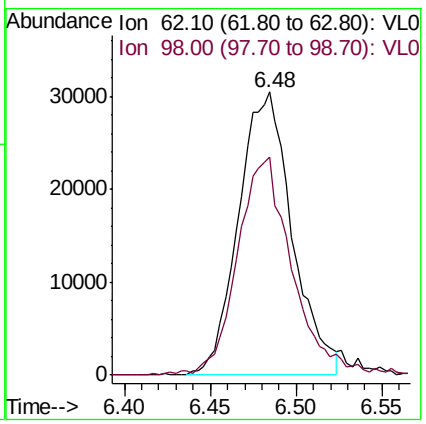


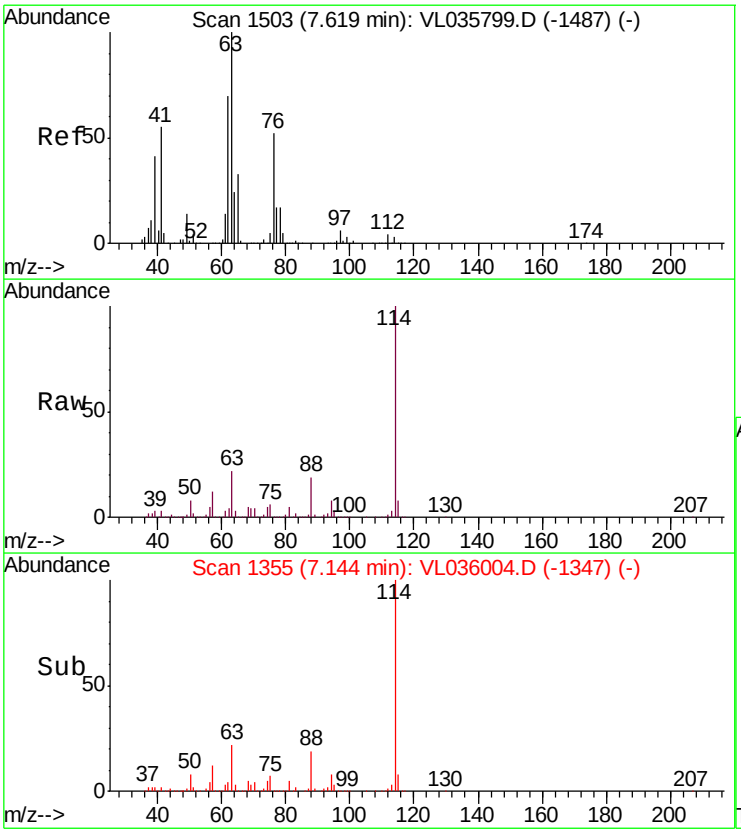
#37
1,2-Dichloroethane
Concen: 0.382 ppbv
RT: 6.48 min Scan# 1150
Delta R.T. 0.17 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Instrument : MSVOA_L
ClientSampleId : SVP-02DL

Tgt Ion: 62 Resp: 66061

Ion	Ratio	Lower	Upper
62	100		
98	79.0	6.9	10.3#

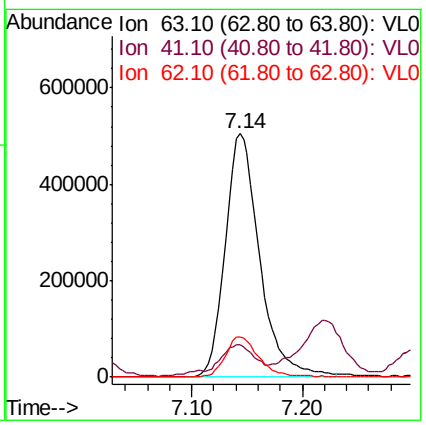


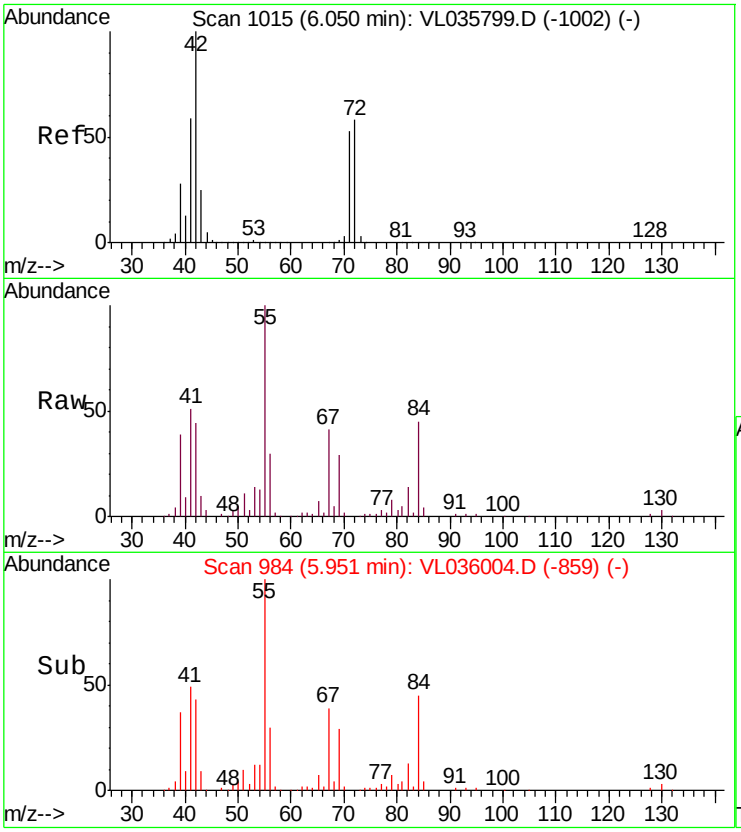


#39
1,2-Dichloropropane
Concen: 8.470 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.48 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Tgt Ion: 63 Resp: 1089780

Ion	Ratio	Lower	Upper
63	100		
41	11.5	43.8	65.6#
62	16.2	56.2	84.2#



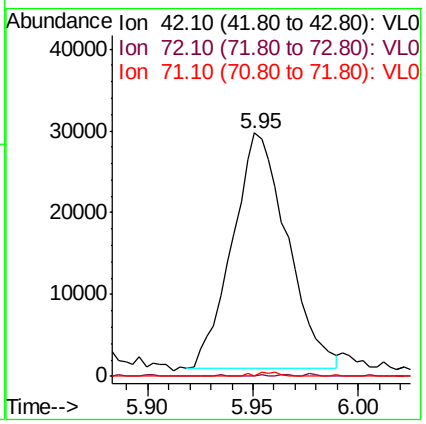


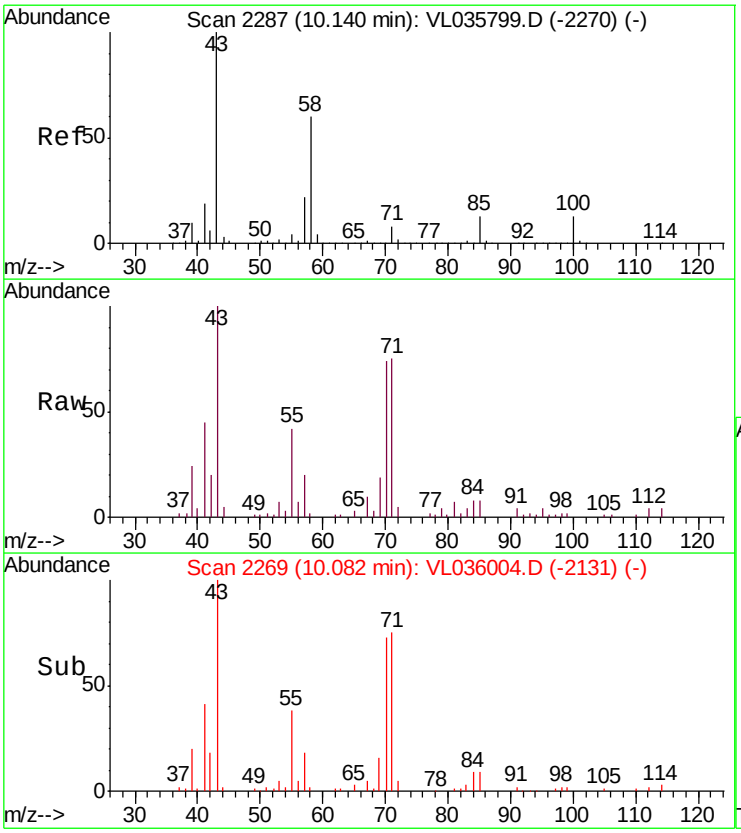
#41
Tetrahydrofuran
Concen: 0.548 ppbv
RT: 5.95 min Scan# 984
Delta R.T. -0.10 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Instrument :
MSVOA_L
ClientSampleId :
SVP-02DL

Tgt Ion: 42 Resp: 51968

Ion	Ratio	Lower	Upper
42	100		
72	0.4	45.4	68.0#
71	0.0	43.4	65.2#

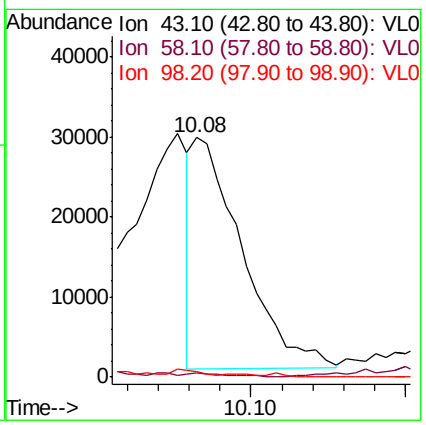


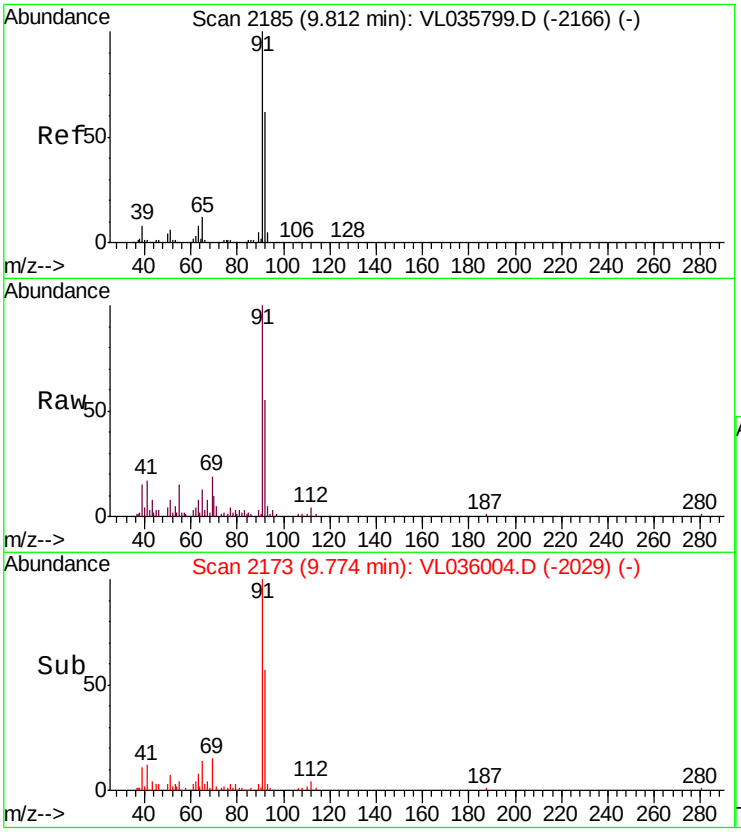


#51
2-Hexanone
Concen: 0.156 ppbv
RT: 10.08 min Scan# 2269
Delta R.T. -0.06 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Tgt Ion: 43 Resp: 31869

Ion	Ratio	Lower	Upper
43	100		
58	1.5	48.3	72.5#
98	0.0	0.6	0.8#



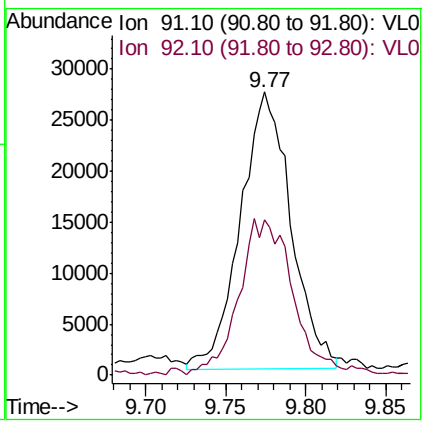


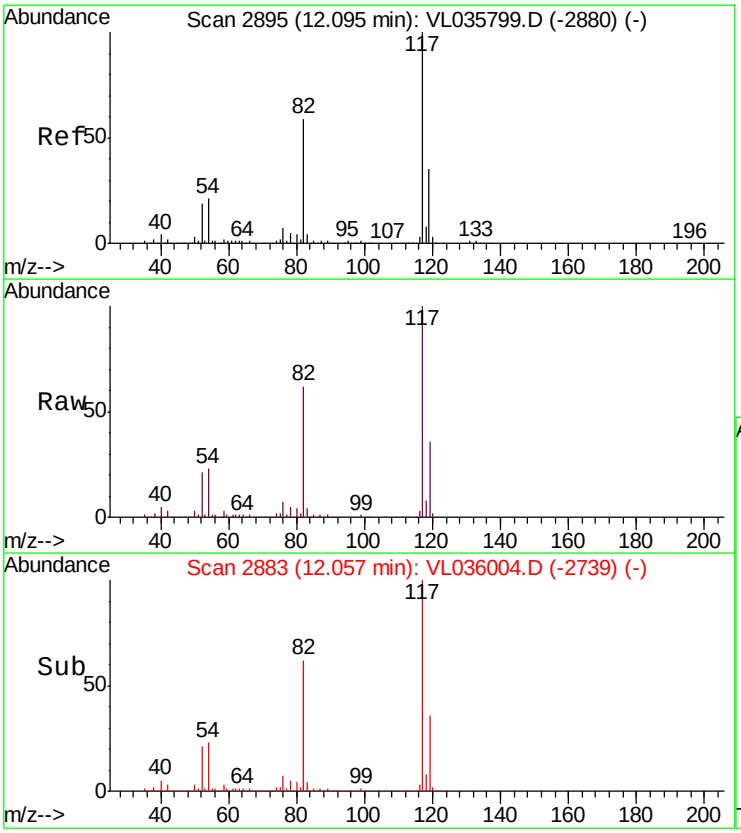
#53
Toluene
Concen: 0.128 ppbv
RT: 9.77 min Scan# 2173
Delta R.T. -0.04 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Instrument : MSVOA_L
ClientSampleId : SVP-02DL

Tgt Ion: 91 Resp: 59121

Ion	Ratio	Lower	Upper
91	100		
92	61.7	49.8	74.6

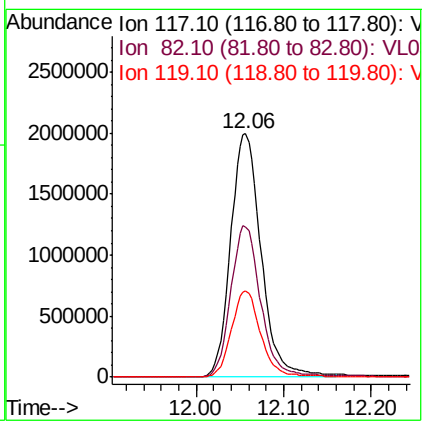


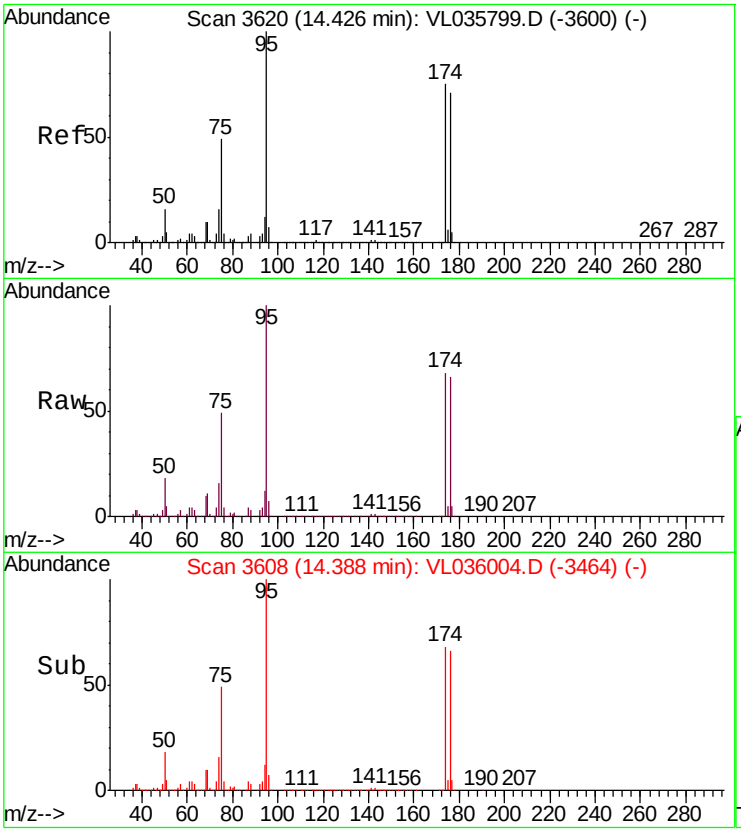


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.04 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Tgt Ion:117 Resp: 4832233

Ion	Ratio	Lower	Upper
117	100		
82	62.4	50.6	76.0
119	34.6	52.6	78.8#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.510 ppbv
RT: 14.39 min Scan# 3608
Delta R.T. -0.04 min
Lab File: VL036004.D
Acq: 24 Nov 2020 21:45

Instrument :
MSVOA_L
ClientSampleId :
SVP-02DL

Tgt Ion: 95 Resp: 3608136

Ion	Ratio	Lower	Upper
95	100		
174	69.7	59.8	89.6
175	5.0	4.3	6.5