Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020420\

Quantitation Report (Not Reviewed)

Data File : VL034585.D
Acq On : 4 Feb 2020 18:34
Operator : SY/AP
Sample : L1357-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-2

Quant Time: Feb 05 05:45:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	958863	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.19	114	1938274	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.12	117	1836582	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.46	95	1630589	10.51	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.02	85	43440	0.206	ppbv		100
3) Chlorodifluoromethane	2.93	51	124466	1.074	ppbv	#	72
4) Chloromethane	3.11	50	29468	0.416	ppbv		100
9) Propene	3.17	41	94619	2.097	ppbv		92
10) Heptane	8.14	43	6640	0.058	ppbv	#	1
11) Trichlorofluoromethane	3.93	101	46260	0.241	ppbv		89
13) Ethanol	3.59	45	3201507	264.949	ppbv		98
15) Acetone	3.82	43	1047940	7.436	ppbv		99
16) 1,3-Butadiene	3.32	39	45280	0.809	ppbv	#	20
17) tert-Butyl alcohol	3.96	59	310410	2.995	ppbv		97
19) Isopropyl Alcohol	3.96	45	7103024	86.371	ppbv	#	98
20) Methylene Chloride	4.32	84	43649	0.813	ppbv	#	94
21) Allyl Chloride	4.11	41	45497	0.520	ppbv	#	62
23) Vinyl Acetate	5.05	43	46327	0.288	ppbv	#	74
25) Ethyl Acetate	5.67	43	171018	0.750	ppbv		97
26) Hexane	5.68	57	85090	0.890	ppbv		87
34) 2-Butanone	5.24	43	169921	1.207	ppbv		96
36) Benzene	6.90	78	64432	0.374	ppbv		97
39) 1,2-Dichloropropane	7.19	63	560041	7.838	ppbv	#	19
41) Tetrahydrofuran	6.05	42	8445	0.115	ppbv	#	36
44) 2,2,4-Trimethylpentane	7.88	57	77510	0.248	ppbv	#	71
52) Tetrachloroethene	11.25	164	2180	0.031	ppbv	#	70
53) Toluene	9.83	91	356388	1.882	ppbv		99
58) Ethyl Benzene	12.74	91	14892	0.061	ppbv		95

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

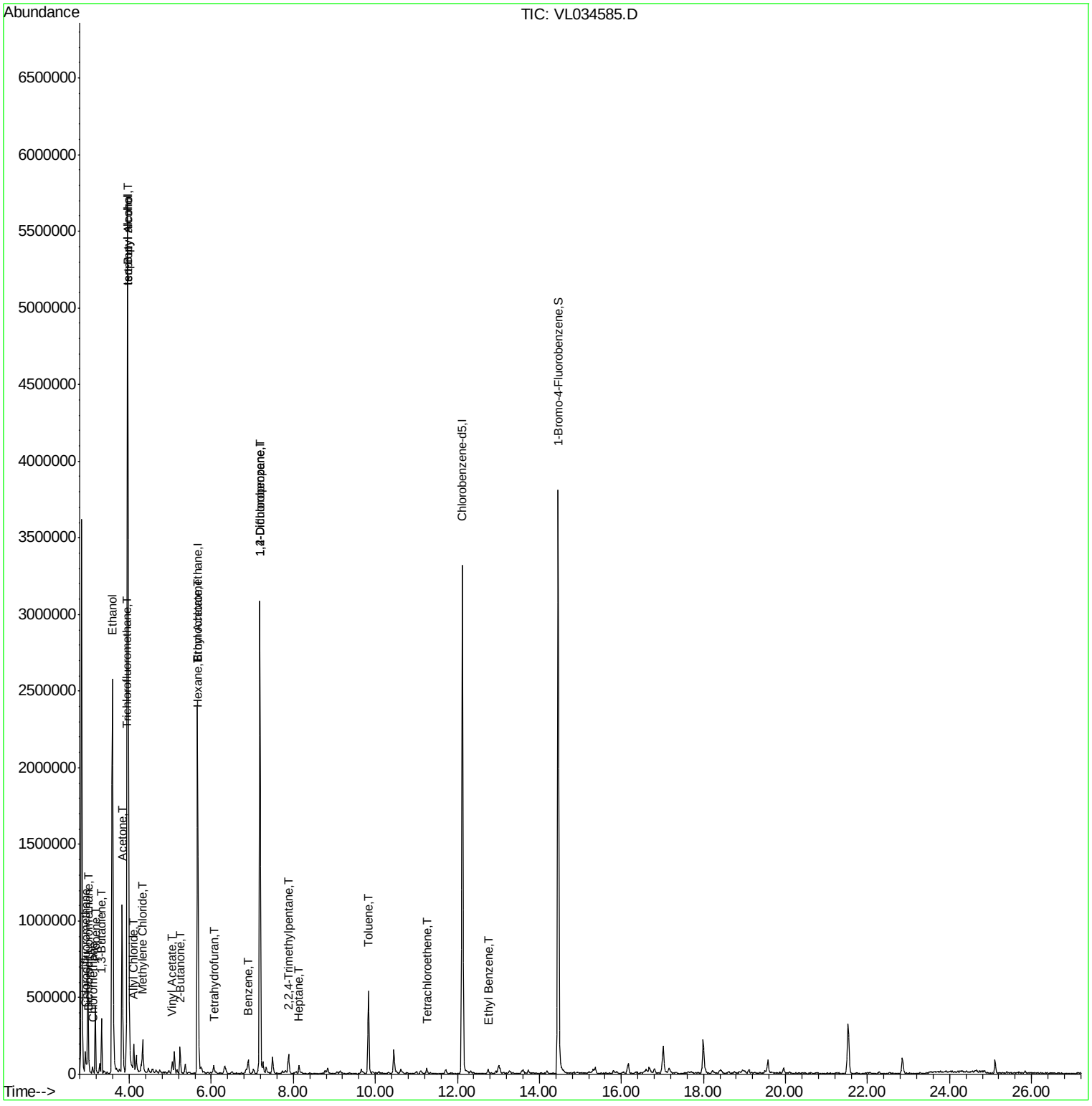
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020420\

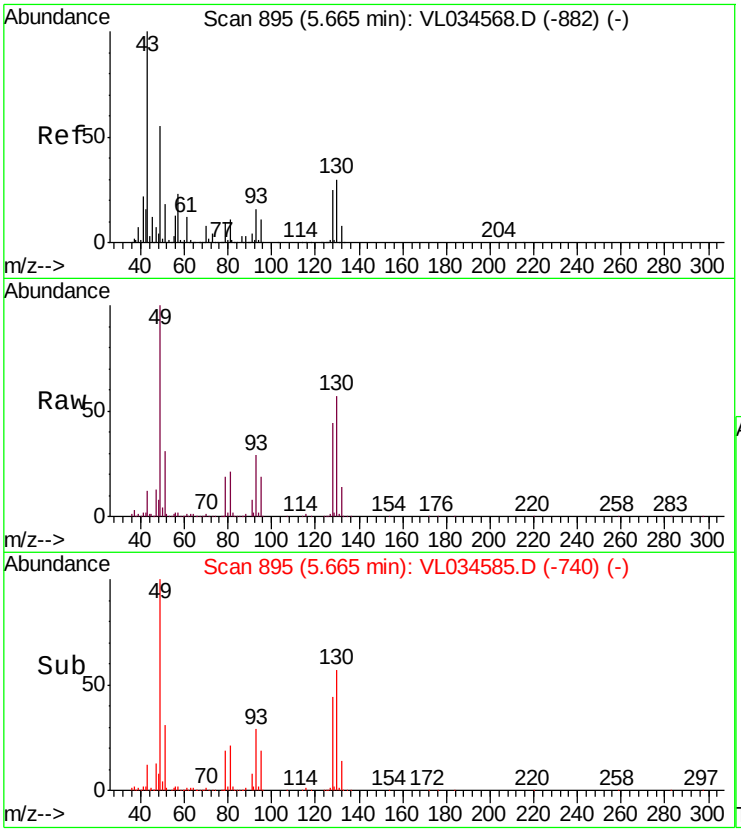
Quantitation Report (Not Reviewed)

Data File : VL034585.D
Acq On : 4 Feb 2020 18:34
Operator : SY/AP
Sample : L1357-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-2

Quant Time: Feb 05 05:45:05 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration



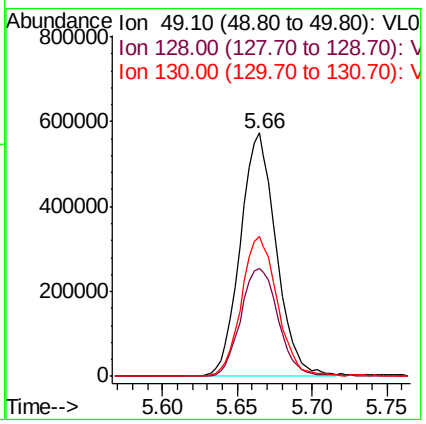


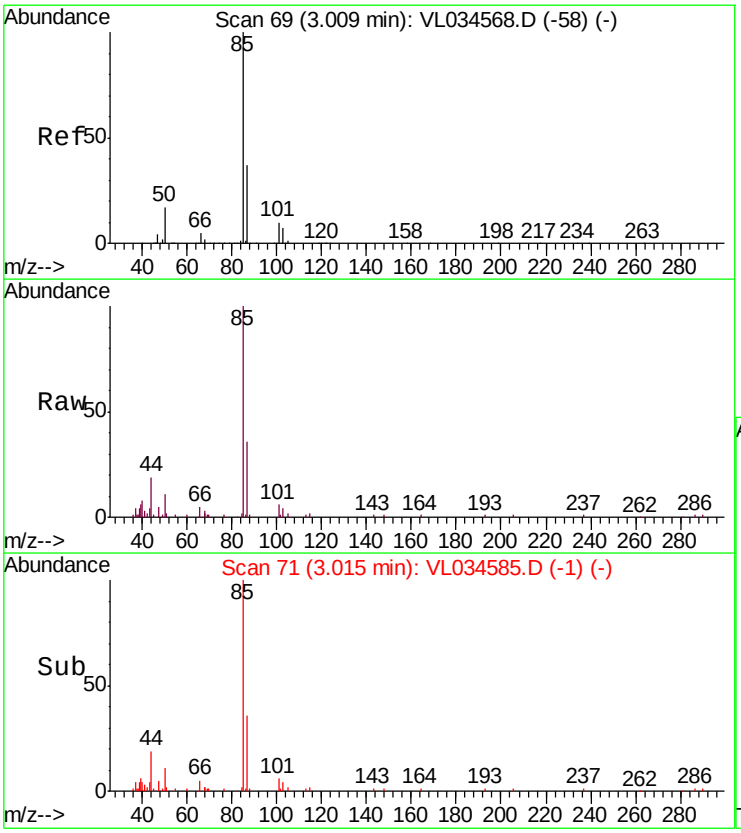
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 49 Resp: 958863

Ion	Ratio	Lower	Upper
49	100		
128	46.7	22.7	68.1
130	57.6	28.6	85.8

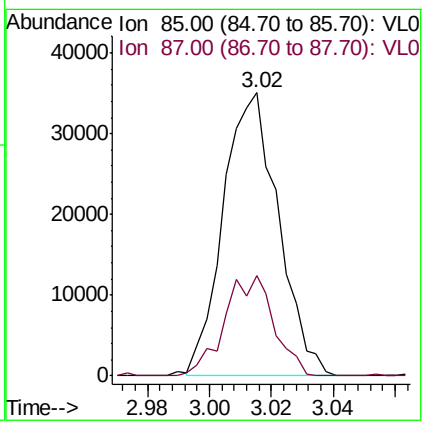


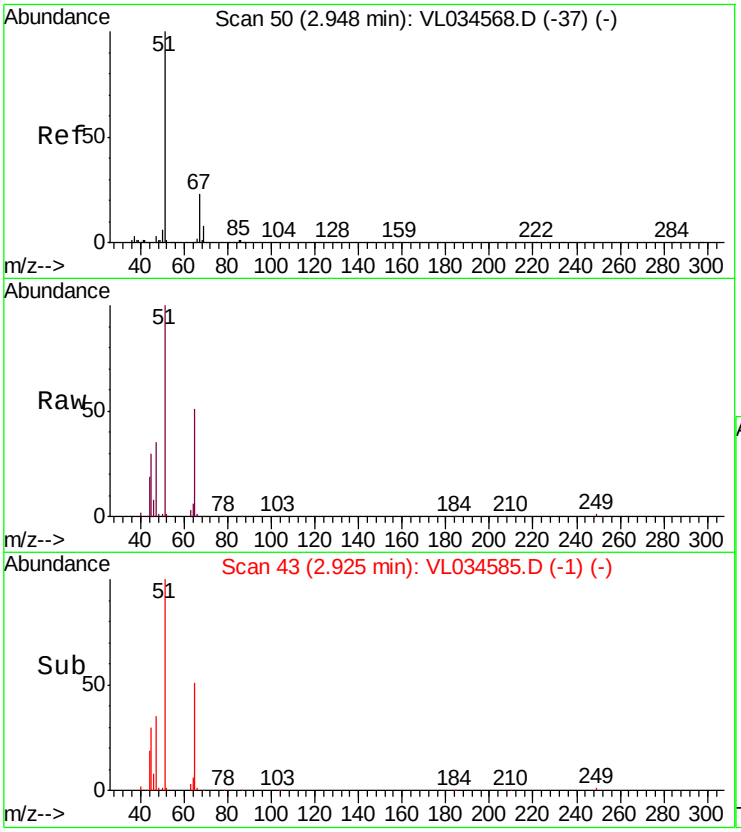


#2
Dichlorodifluoromethane
Concen: 0.206 ppbv
RT: 3.02 min Scan# 71
Delta R.T. 0.01 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Tgt Ion: 85 Resp: 43440

Ion	Ratio	Lower	Upper
85	100		
87	36.7	29.5	44.3



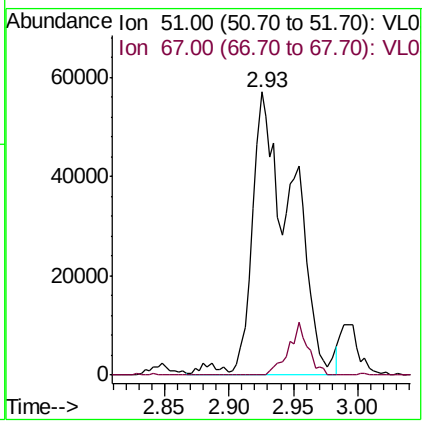


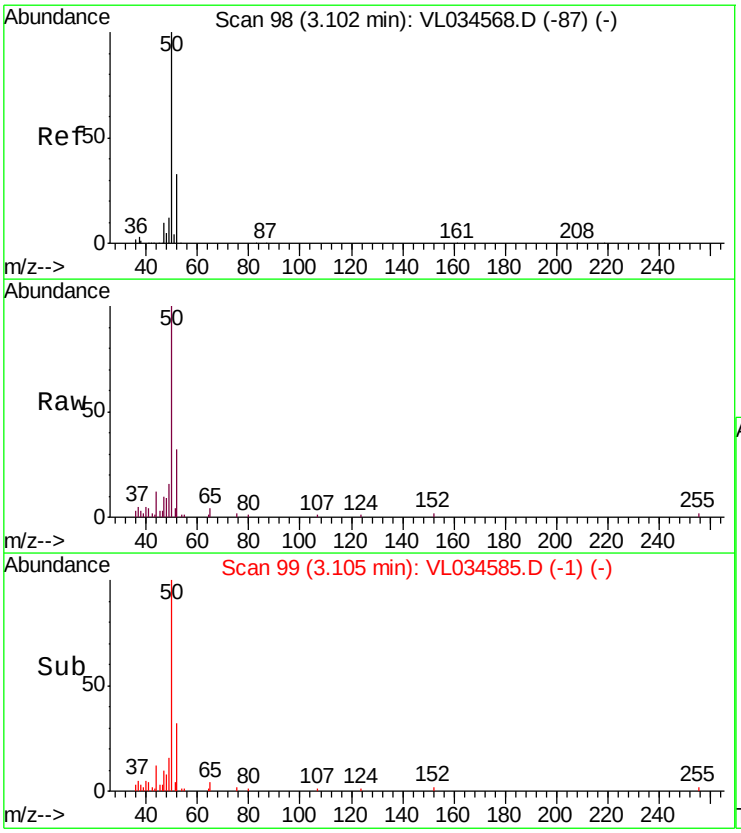
#3
Chlorodifluoromethane
Concen: 1.074 ppbv
RT: 2.93 min Scan# 43
Delta R.T. -0.02 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Instrument : MSVOA_L
ClientSampleId : IA-2

Tgt Ion: 51 Resp: 124466

Ion	Ratio	Lower	Upper
51	100		
67	9.1	17.8	26.8#

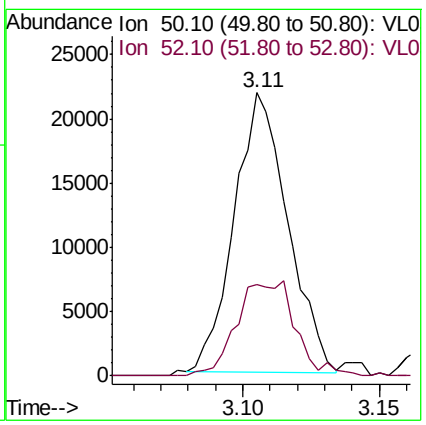


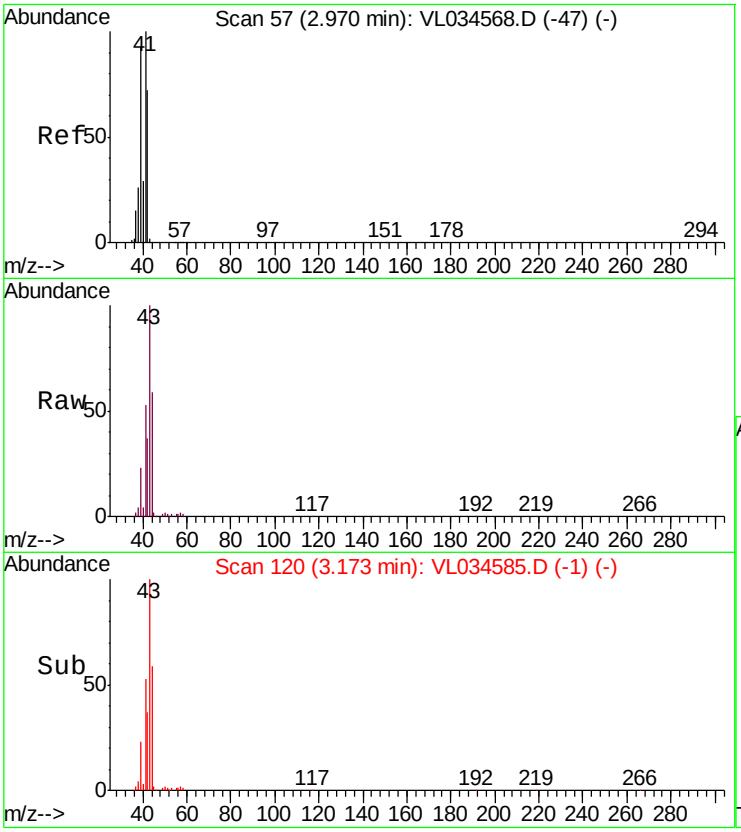


#4
Chloromethane
Concen: 0.416 ppbv
RT: 3.11 min Scan# 99
Delta R.T. 0.00 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Tgt Ion: 50 Resp: 29468

Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.6	39.8



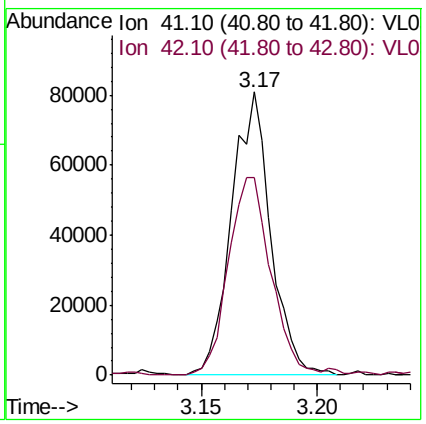


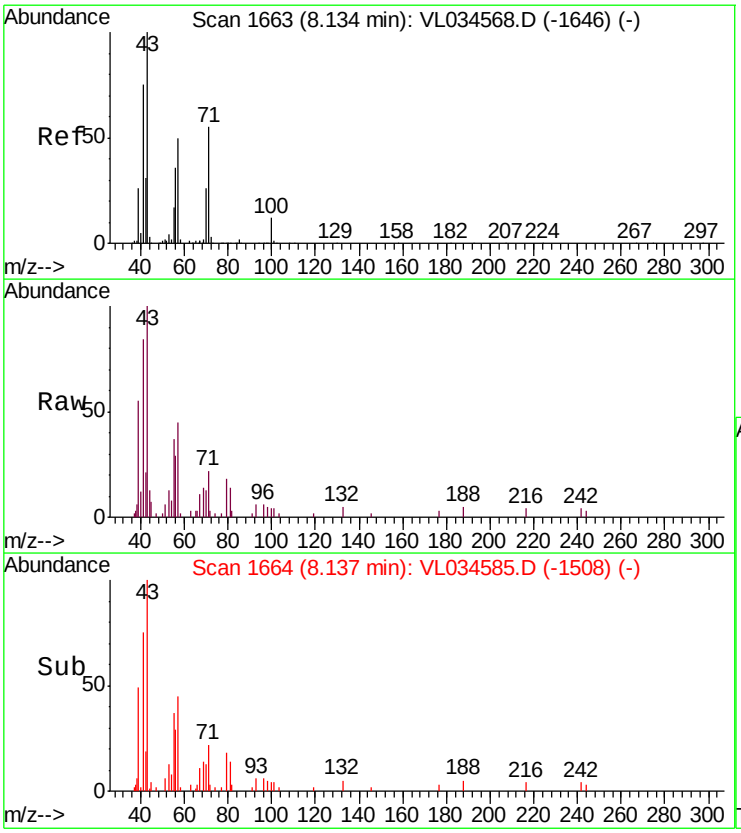
#9
Propene
Concen: 2.097 ppbv
RT: 3.17 min Scan# 120
Delta R.T. 0.20 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 41 Resp: 94619

Ion	Ratio	Lower	Upper
41	100		
42	77.8	57.0	85.4

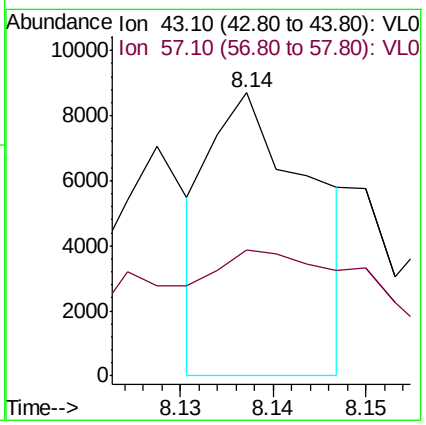


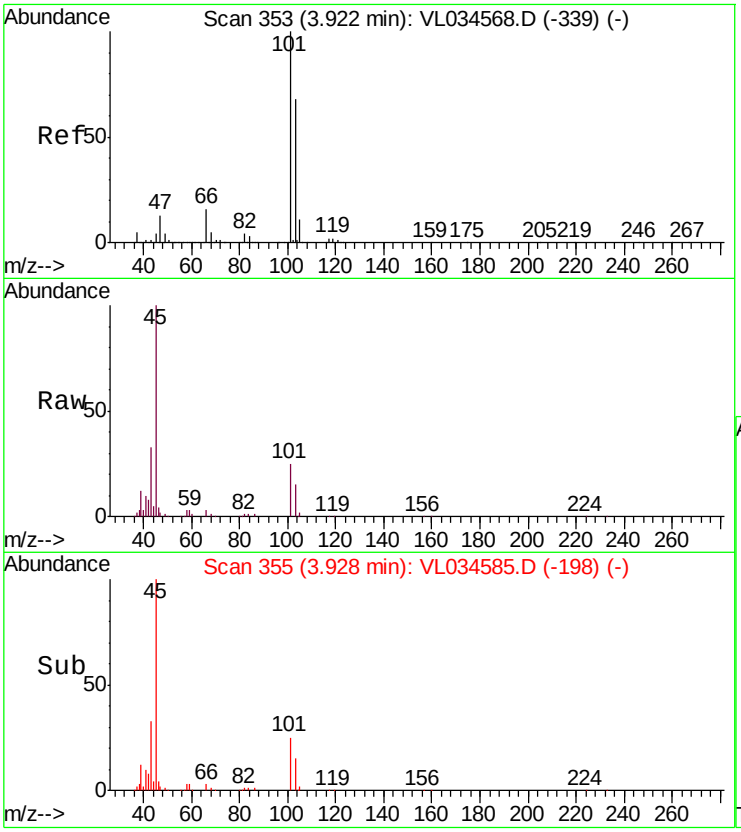


#10
Heptane
Concen: 0.058 ppbv
RT: 8.14 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Tgt Ion: 43 Resp: 6640

Ion	Ratio	Lower	Upper
43	100		
57	132.7	41.2	61.8#



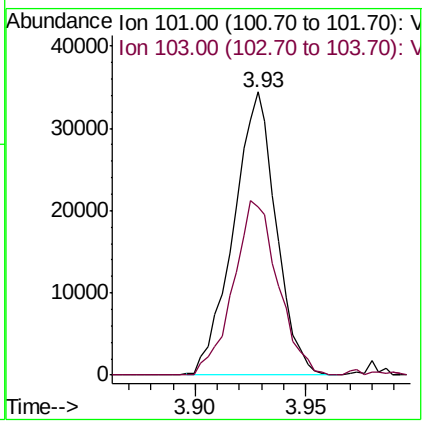


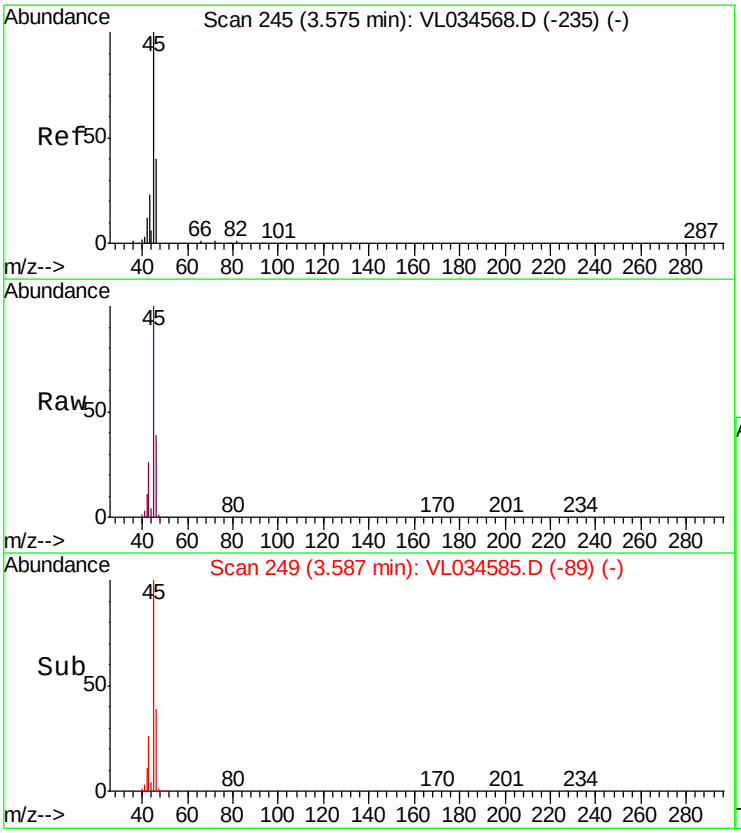
#11
Trichlorofluoromethane
Concen: 0.241 ppbv
RT: 3.93 min Scan# 355
Delta R.T. 0.01 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Instrument : MSVOA_L
ClientSampleId : IA-2

Tgt Ion:101 Resp: 46260

Ion	Ratio	Lower	Upper
101	100		
103	59.2	54.4	81.6

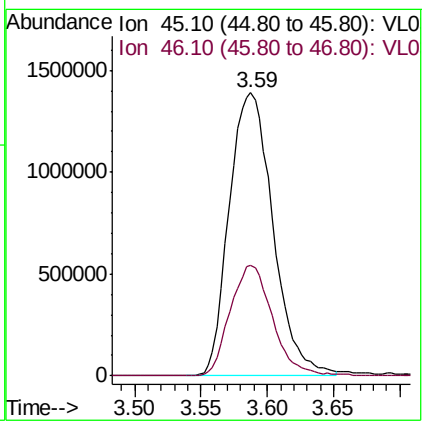


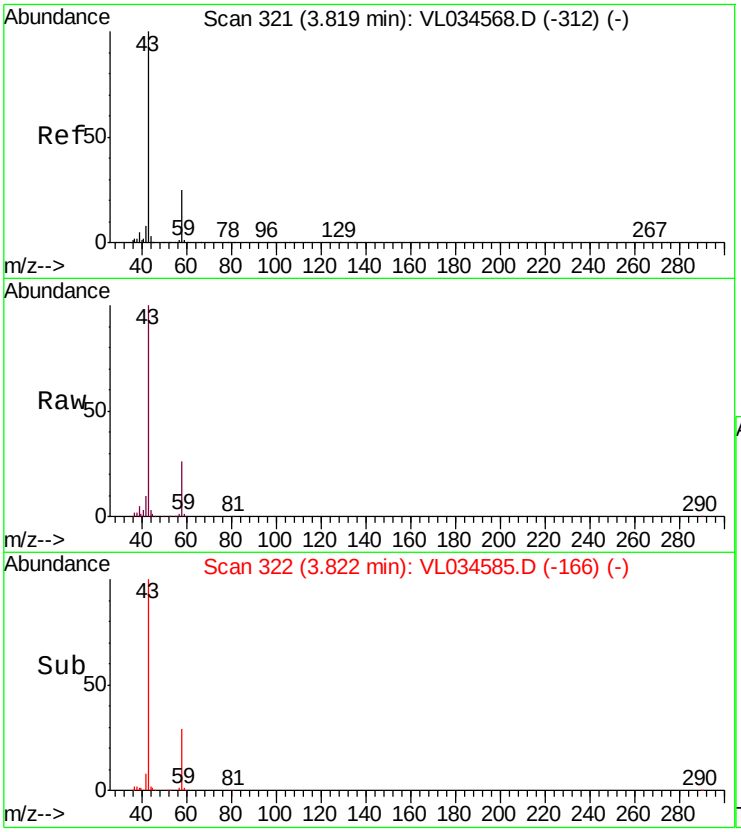


#13
Ethanol
Concen: 264.949 ppbv
RT: 3.59 min Scan# 249
Delta R.T. 0.01 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Tgt Ion: 45 Resp: 3201507

Ion	Ratio	Lower	Upper
45	100		
46	38.0	14.8	59.2



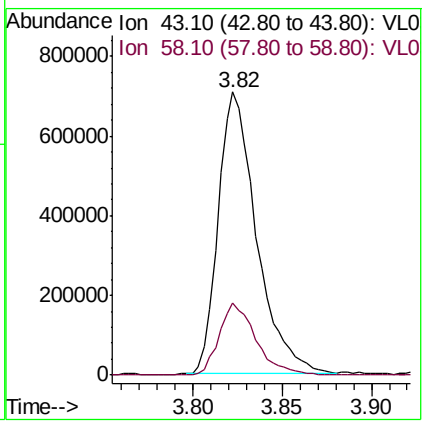


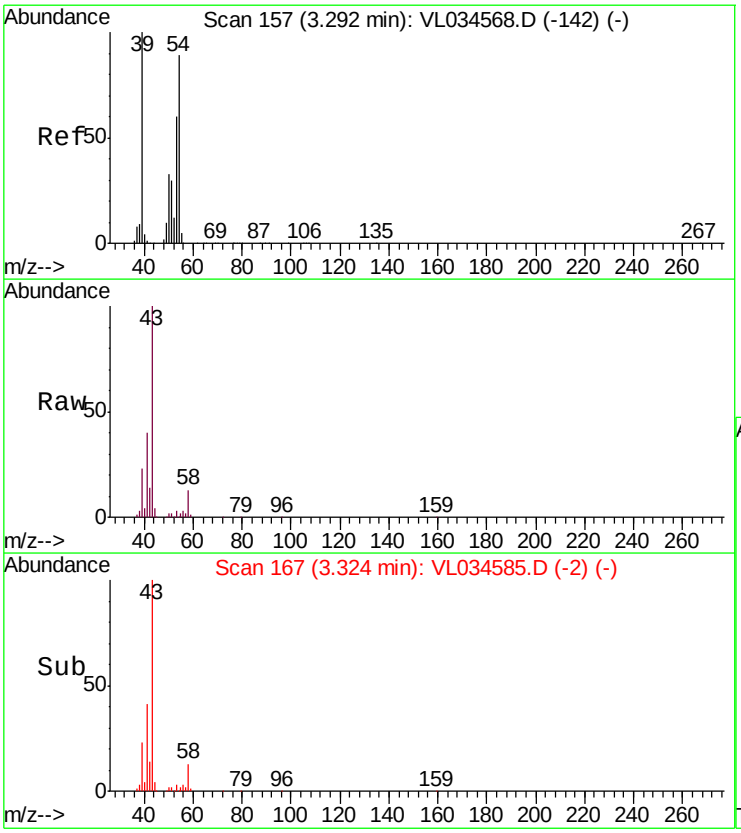
#15
Acetone
Concen: 7.436 ppbv
RT: 3.82 min Scan# 322
Delta R.T. 0.00 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 43 Resp: 1047940

Ion	Ratio	Lower	Upper
43	100		
58	25.0	20.3	30.5

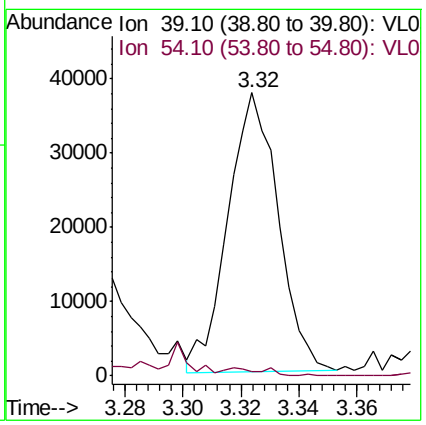


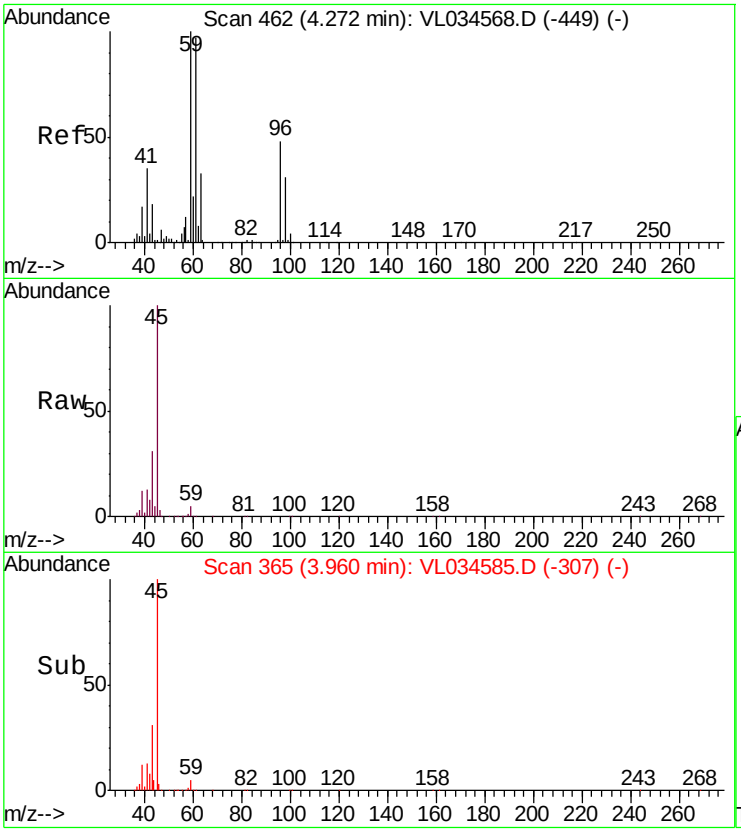


#16
1,3-Butadiene
Concen: 0.809 ppbv
RT: 3.32 min Scan# 167
Delta R.T. 0.03 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Tgt Ion: 39 Resp: 45280

Ion	Ratio	Lower	Upper
39	100		
54	11.4	66.7	100.1#



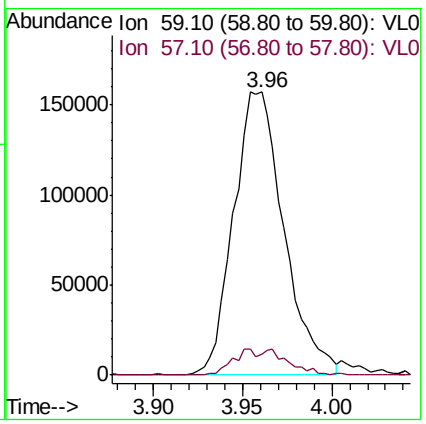


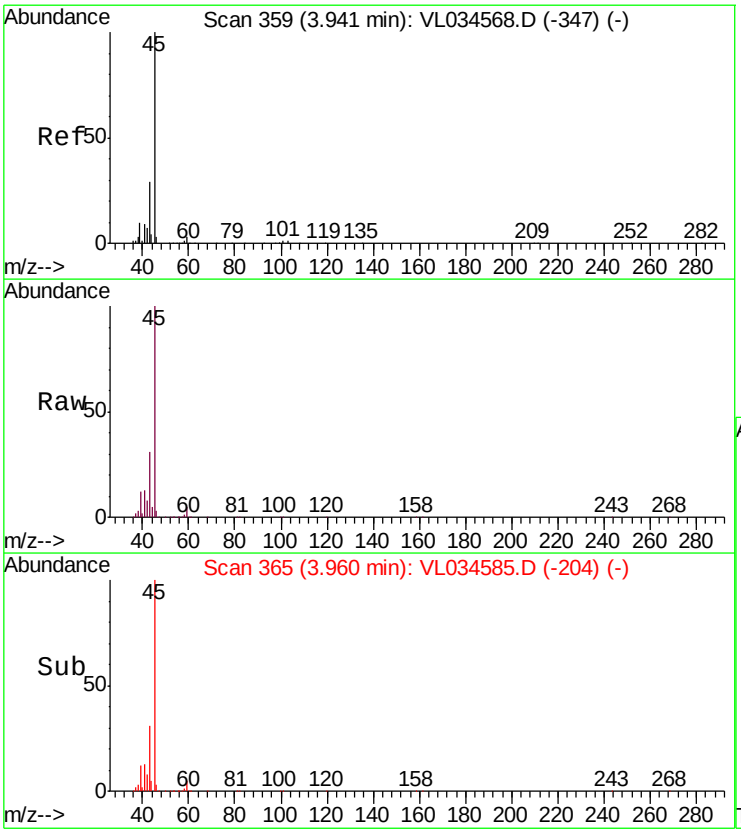
#17
tert-Butyl alcohol
Concen: 2.995 ppbv
RT: 3.96 min Scan# 365
Delta R.T. -0.31 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 59 Resp: 310410

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.7	13.1

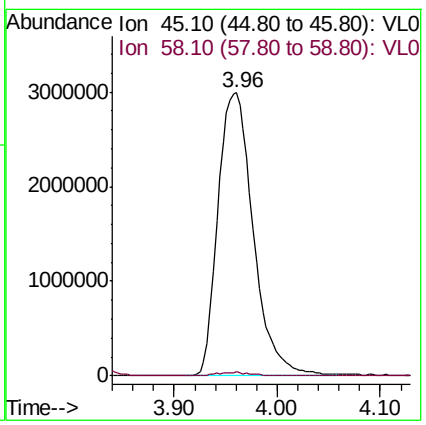


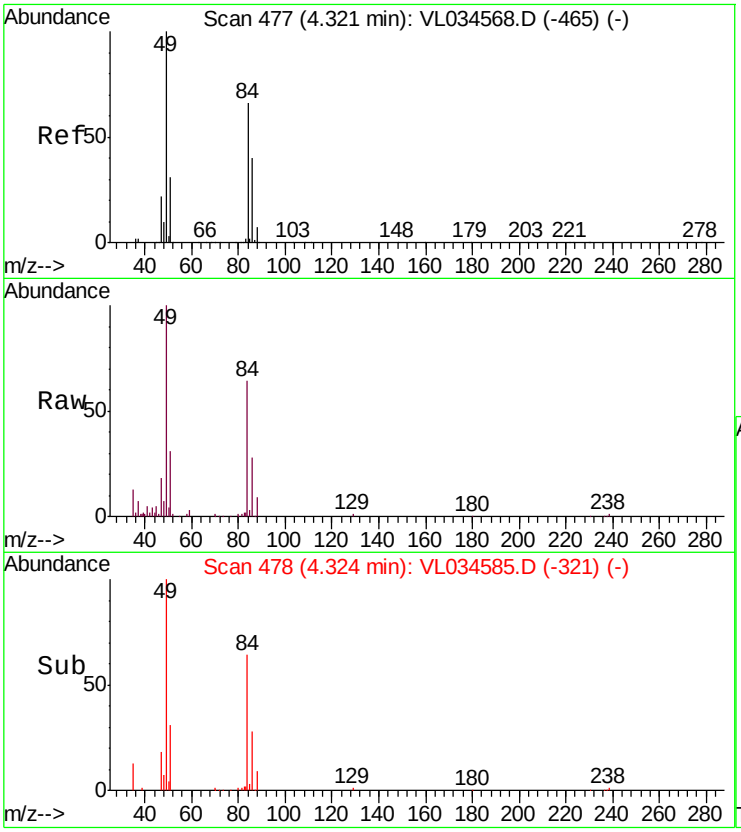


#19
Isopropyl Alcohol
Concen: 86.371 ppbv
RT: 3.96 min Scan# 365
Delta R.T. 0.02 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Tgt Ion: 45 Resp: 7103024

Ion	Ratio	Lower	Upper
45	100		
58	1.3	1.7	2.5#



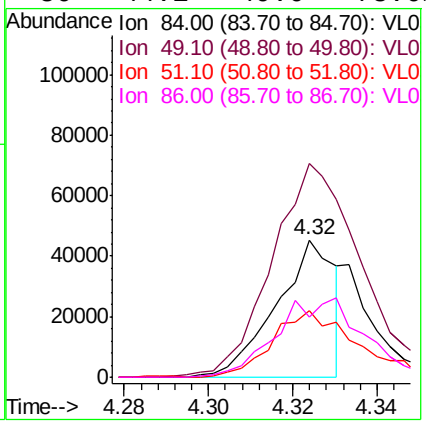


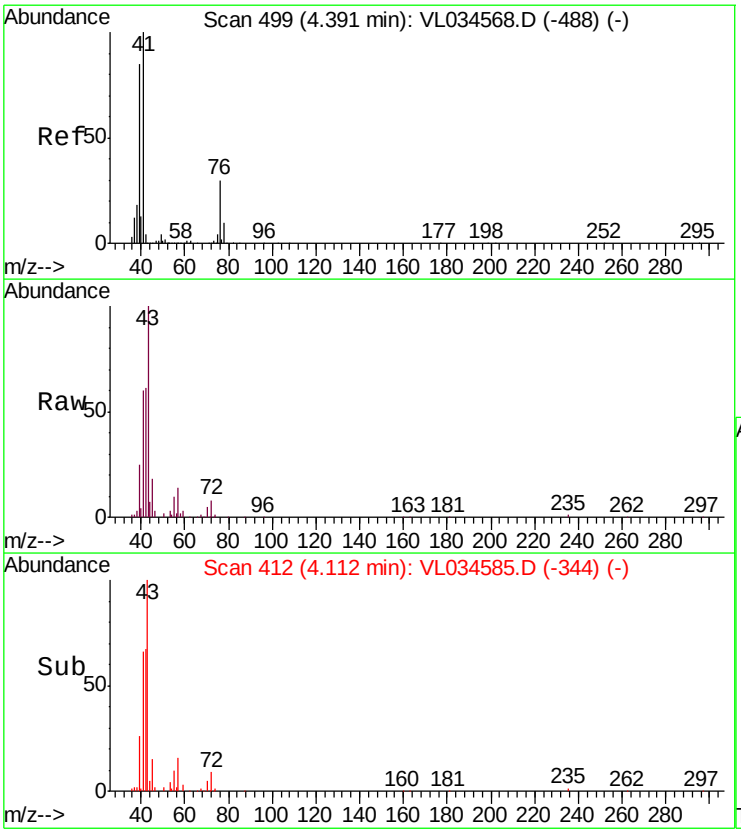
#20
Methylene Chloride
Concen: 0.813 ppbv
RT: 4.32 min Scan# 478
Delta R.T. 0.00 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Instrument : MSVOA_L
ClientSampleId : IA-2

Tgt Ion: 84 Resp: 43649

Ion	Ratio	Lower	Upper
84	100		
49	154.0	122.4	183.6
51	48.9	38.6	57.8
86	44.1	49.0	73.6#

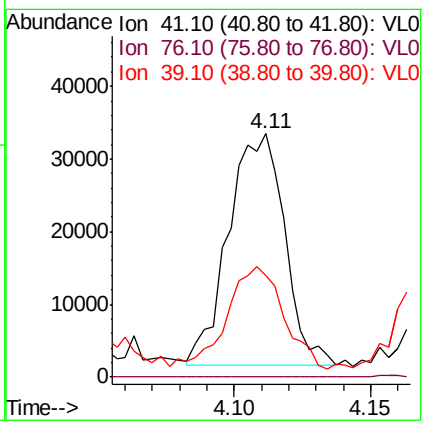


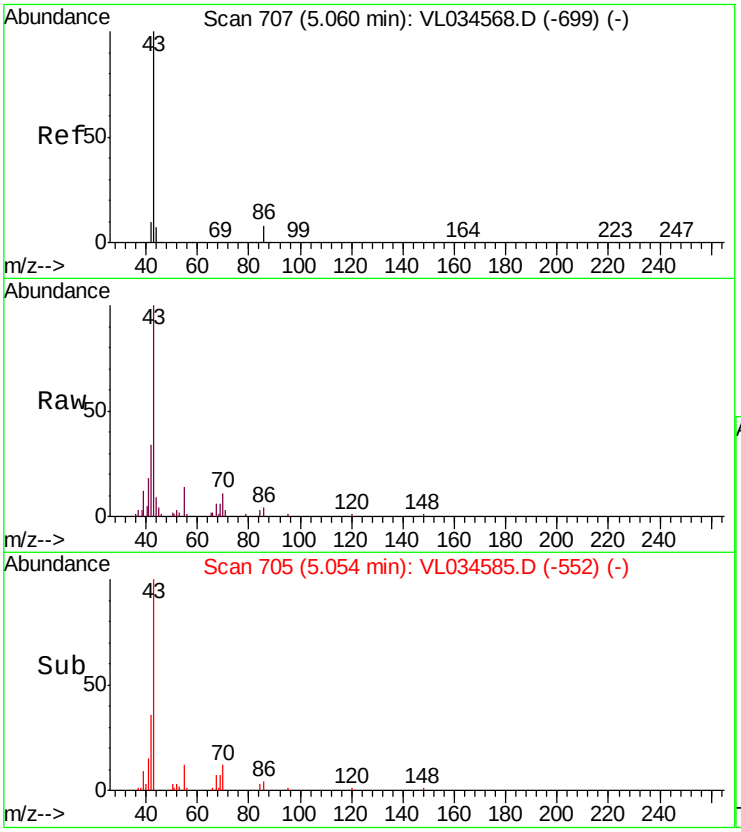


#21
Allyl Chloride
Concen: 0.520 ppbv
RT: 4.11 min Scan# 412
Delta R.T. -0.28 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Tgt Ion: 41 Resp: 45497

Ion	Ratio	Lower	Upper
41	100		
76	0.3	24.2	36.2#
39	56.3	68.3	102.5#



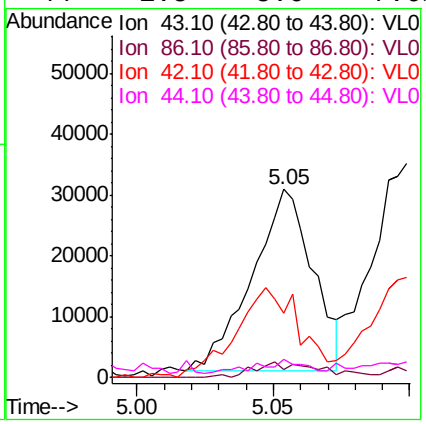


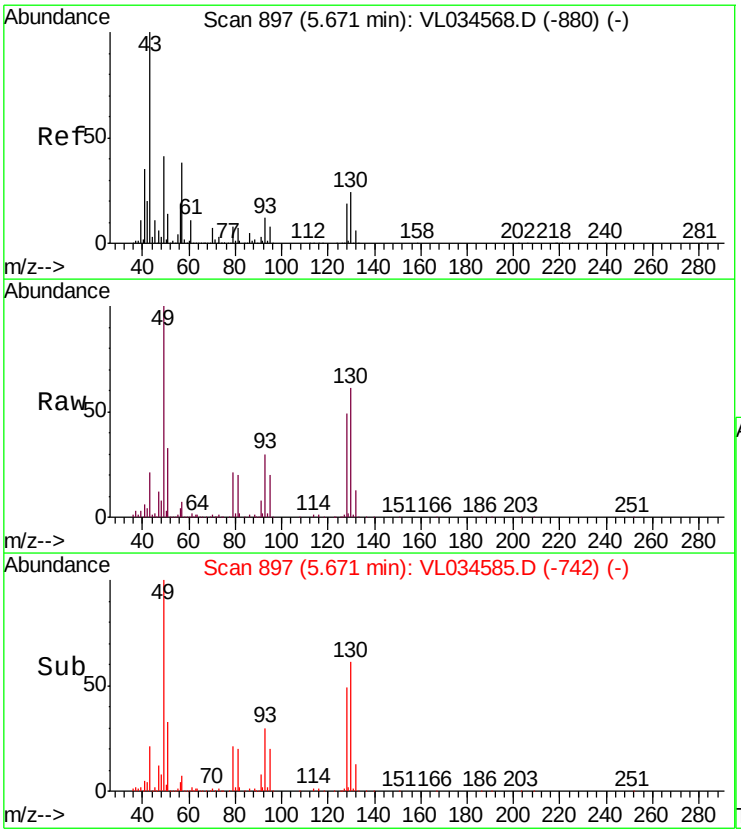
#23
Vinyl Acetate
Concen: 0.288 ppbv
RT: 5.05 min Scan# 705
Delta R.T. -0.01 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Instrument : MSVOA_L
ClientSampleId : IA-2

Tgt Ion: 43 Resp: 46327

Ion	Ratio	Lower	Upper
43	100		
86	4.3	5.9	8.9#
42	27.5	8.8	13.2#
44	1.5	5.0	7.6#

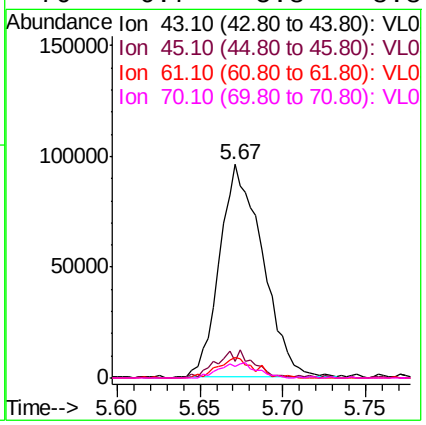


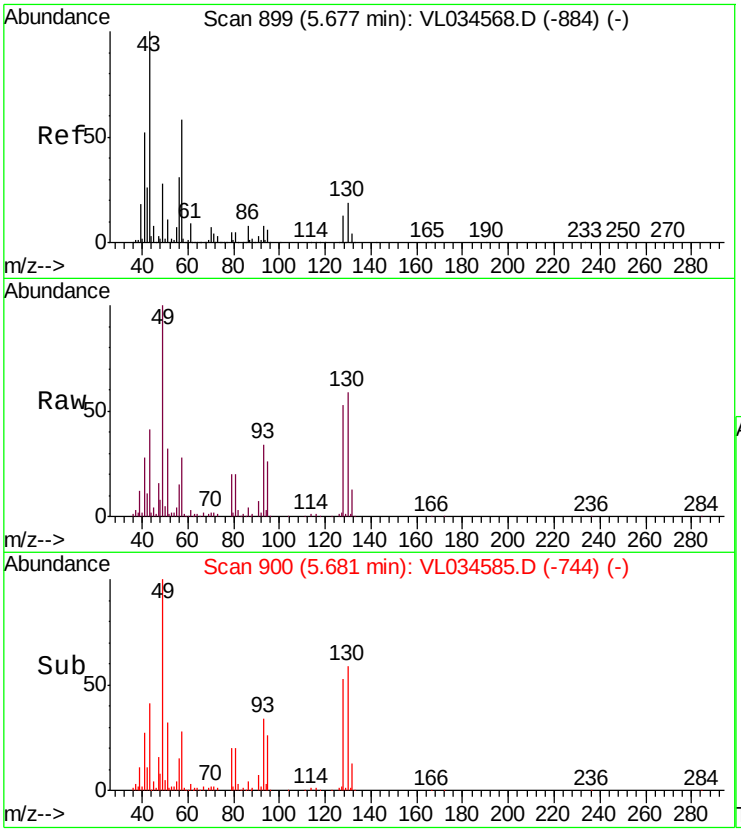


#25
Ethyl Acetate
Concen: 0.750 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Tgt Ion: 43 Resp: 171018

Ion	Ratio	Lower	Upper
43	100		
45	11.9	8.5	12.7
61	8.4	7.8	11.6
70	6.7	5.8	8.8



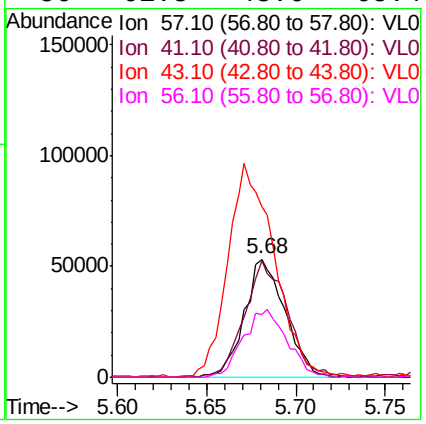


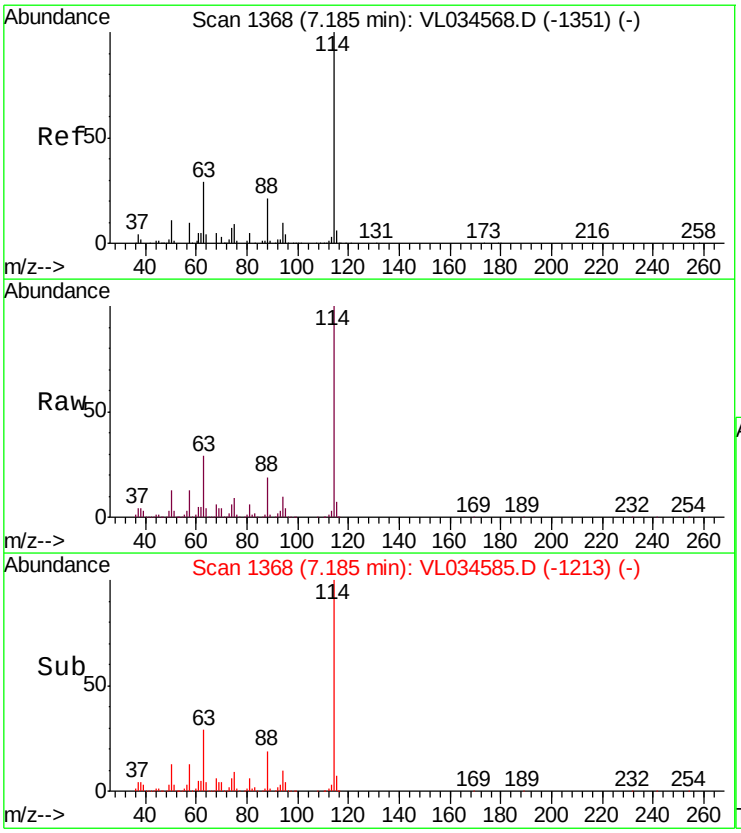
#26
Hexane
Concen: 0.890 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 57 Resp: 85090

Ion	Ratio	Lower	Upper
57	100		
41	104.5	76.2	114.2
43	211.6	189.9	284.9
56	61.8	43.6	65.4

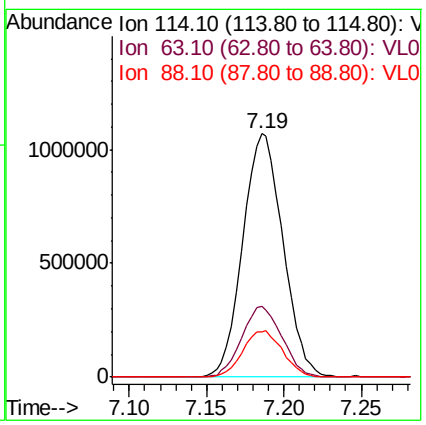


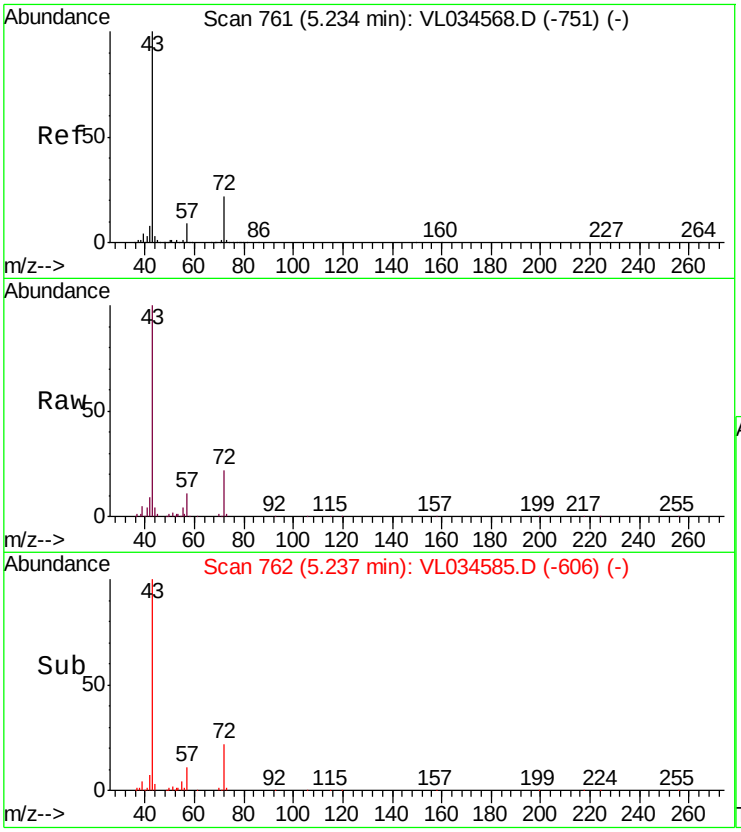


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Tgt Ion:114 Resp: 1938274

Ion	Ratio	Lower	Upper
114	100		
63	29.2	24.1	36.1
88	19.0	15.9	23.9



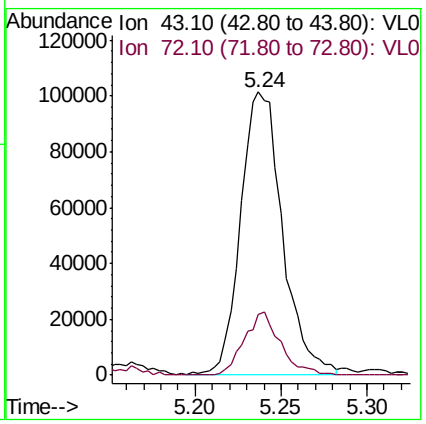


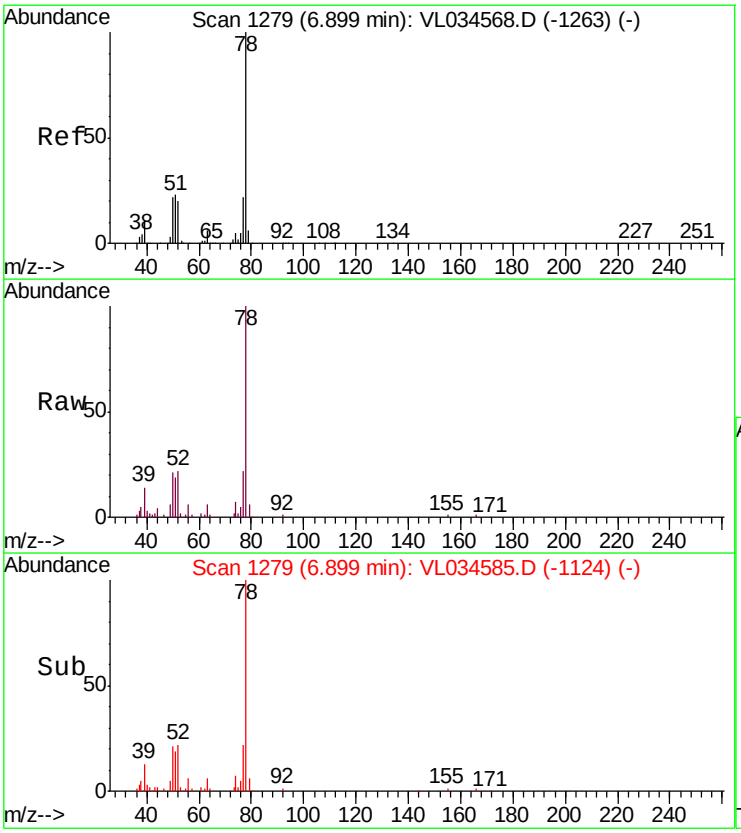
#34
2-Butanone
Concen: 1.207 ppbv
RT: 5.24 min Scan# 762
Delta R.T. 0.00 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 43 Resp: 169921

Ion	Ratio	Lower	Upper
43	100		
72	19.6	17.2	25.8

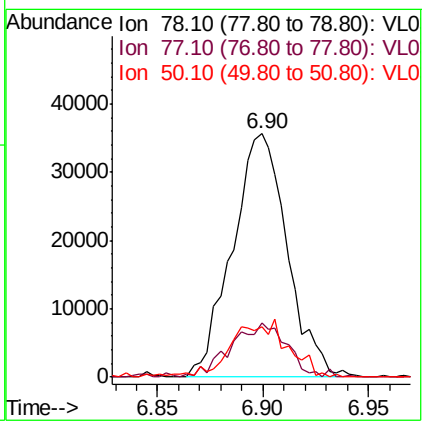


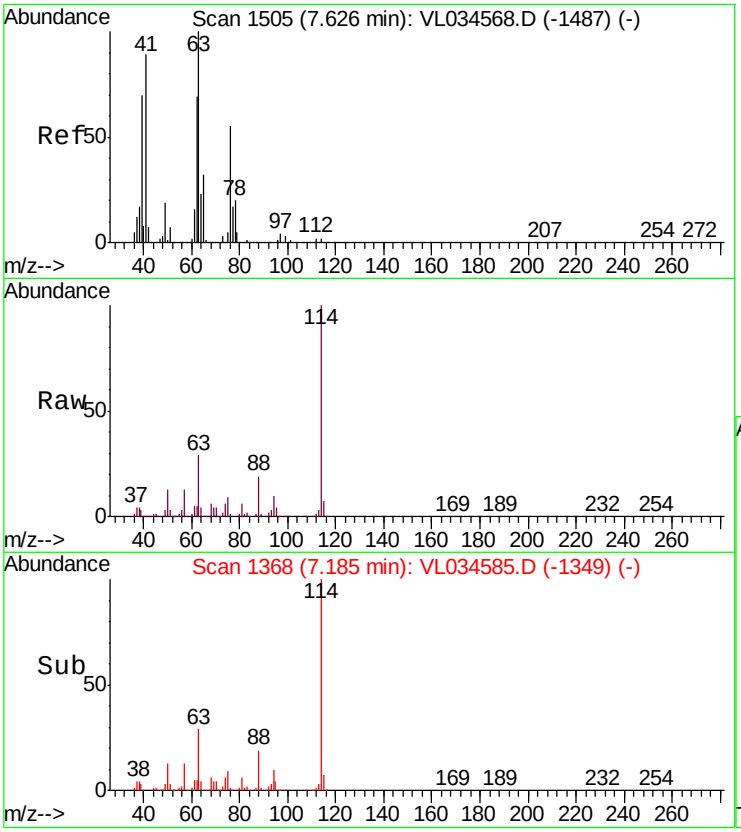


#36
Benzene
Concen: 0.374 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. -0.00 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Tgt Ion: 78 Resp: 64432

Ion	Ratio	Lower	Upper
78	100		
77	22.1	17.3	25.9
50	19.0	17.4	26.2



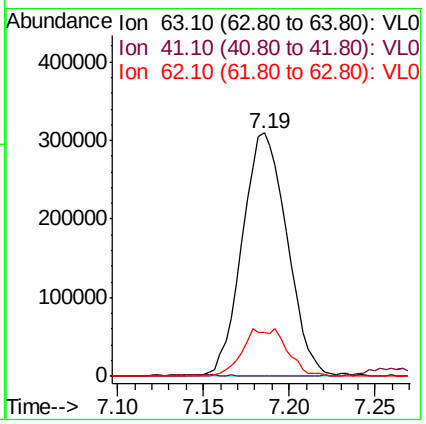


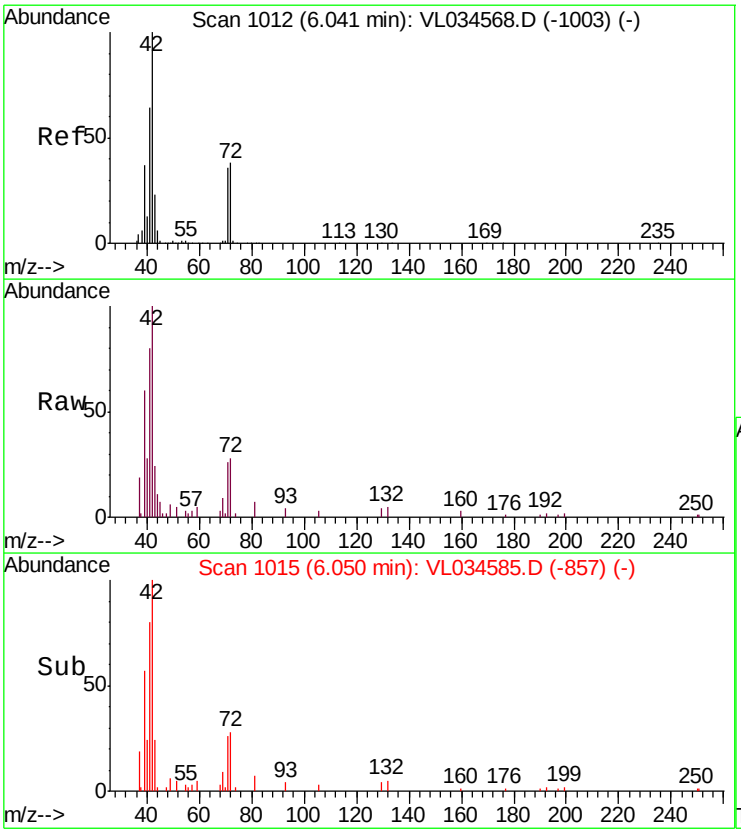
#39
1,2-Dichloropropane
Concen: 7.838 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. -0.44 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Instrument : MSVOA_L
ClientSampleId : IA-2

Tgt Ion: 63 Resp: 560041

Ion	Ratio	Lower	Upper
63	100		
41	0.2	71.0	106.4#
62	18.1	55.4	83.0#

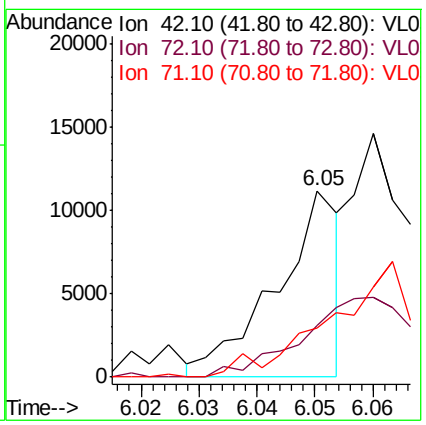


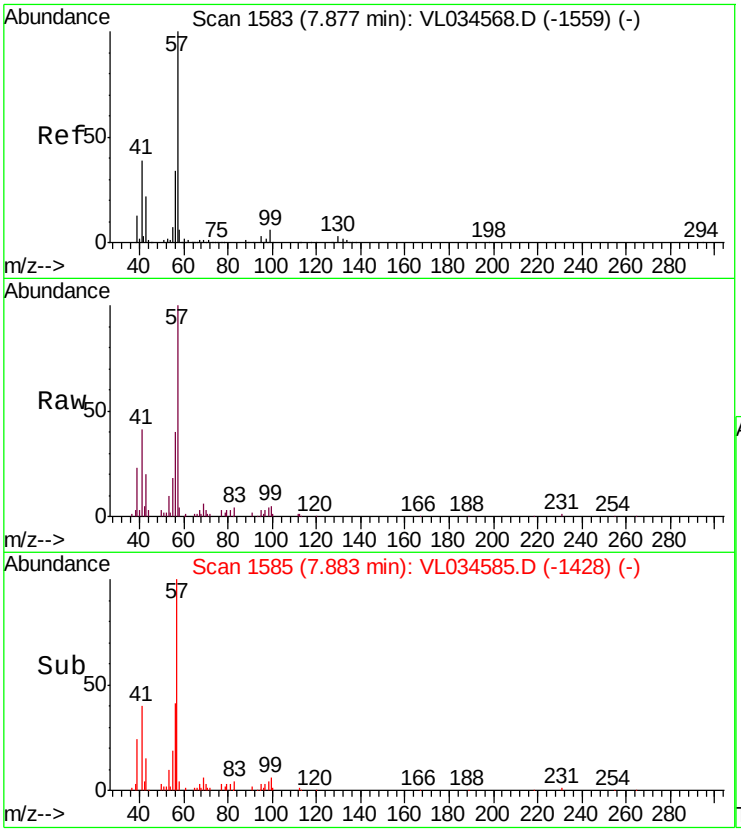


#41
Tetrahydrofuran
Concen: 0.115 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Tgt Ion: 42 Resp: 8445

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.8	47.8#
71	0.0	30.2	45.4#



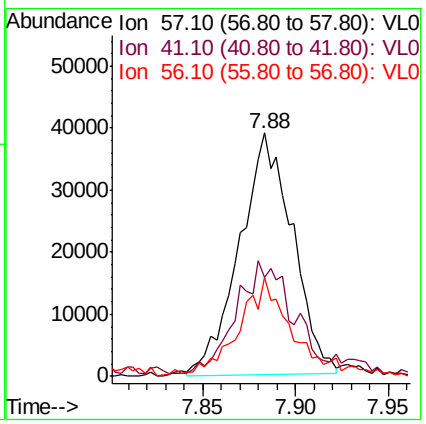


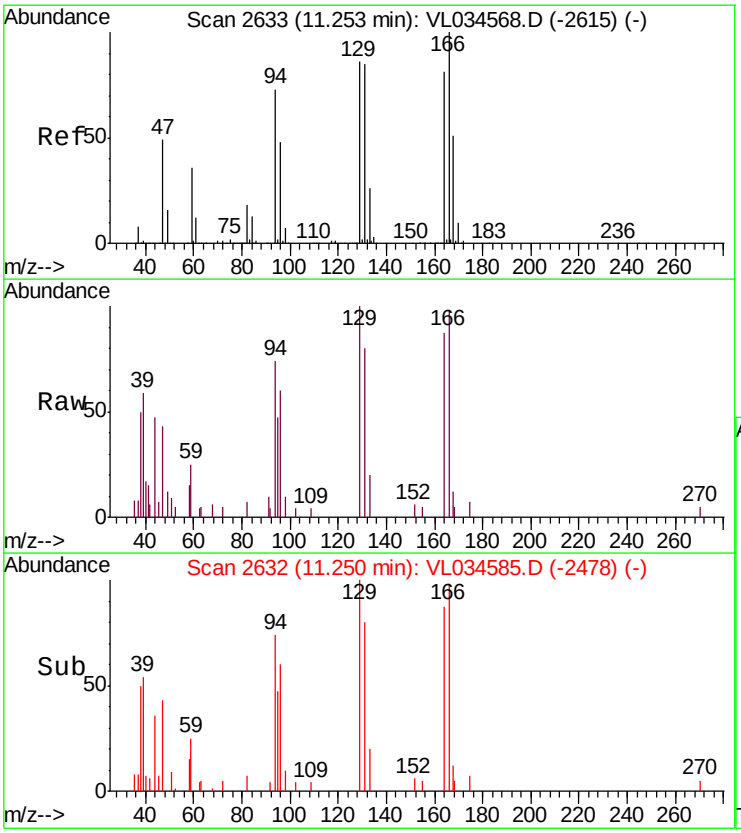
#44
2,2,4-Trimethylpentane
Concen: 0.248 ppbv
RT: 7.88 min Scan# 1585
Delta R.T. 0.01 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 57 Resp: 77510

Ion	Ratio	Lower	Upper
57	100		
41	58.9	28.9	43.3#
56	42.2	25.5	38.3#

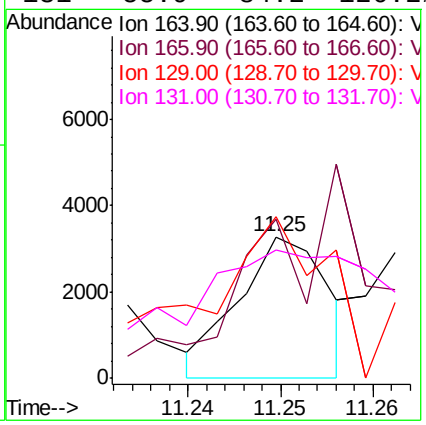


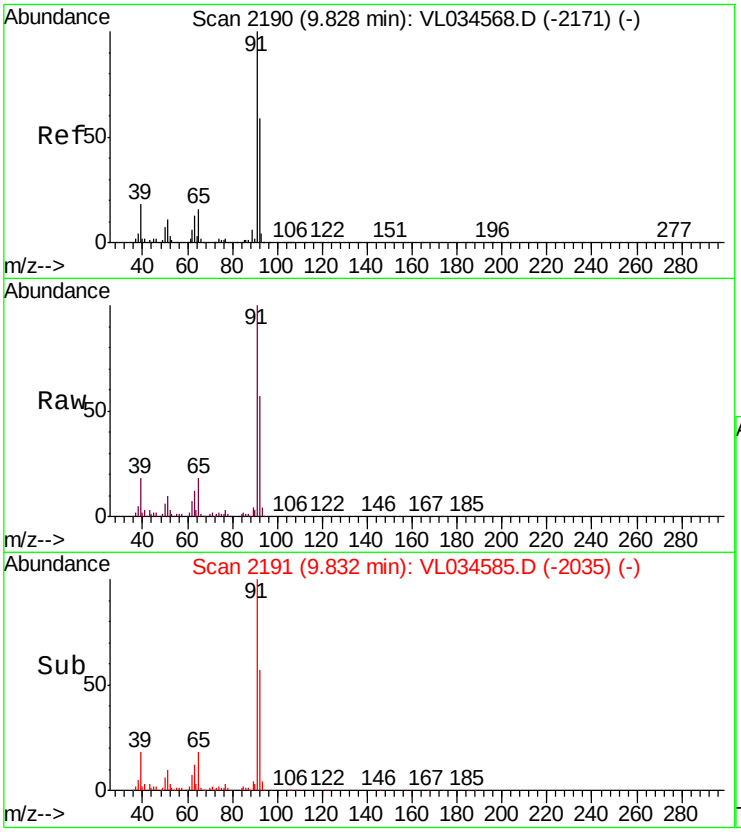


#52
Tetrachloroethene
Concen: 0.031 ppbv
RT: 11.25 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Tgt Ion:164 Resp: 2180

Ion	Ratio	Lower	Upper
164	100		
166	107.6	99.0	148.4
129	75.9	85.3	127.9#
131	55.9	84.2	126.2#



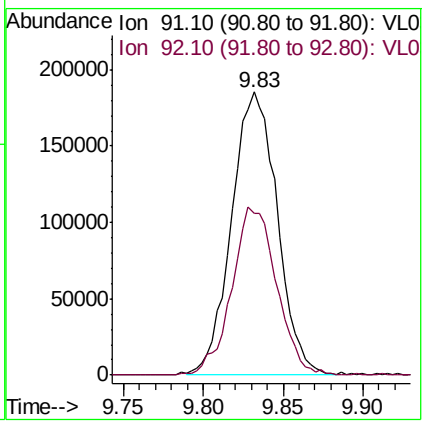


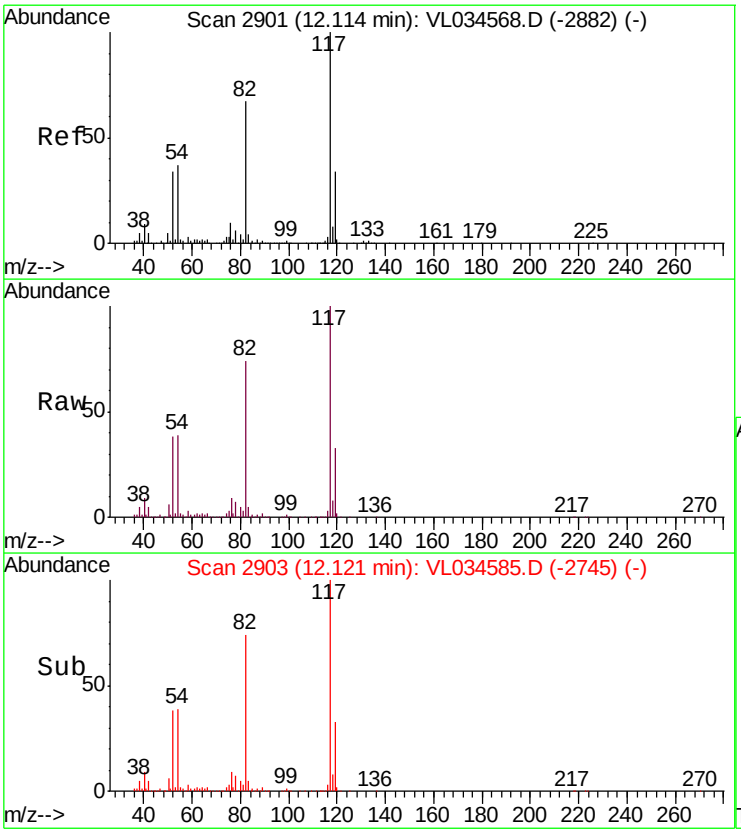
#53
Toluene
Concen: 1.882 ppbv
RT: 9.83 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Instrument : MSVOA_L
ClientSampleId : IA-2

Tgt Ion: 91 Resp: 356388

Ion	Ratio	Lower	Upper
91	100		
92	59.2	48.2	72.2

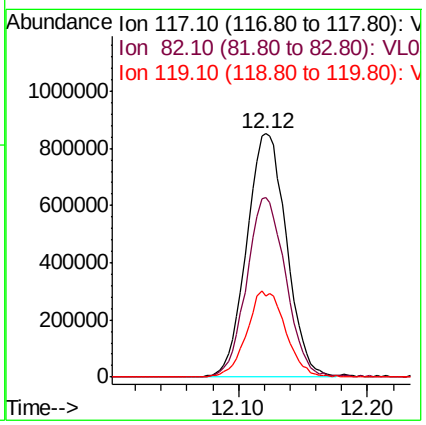


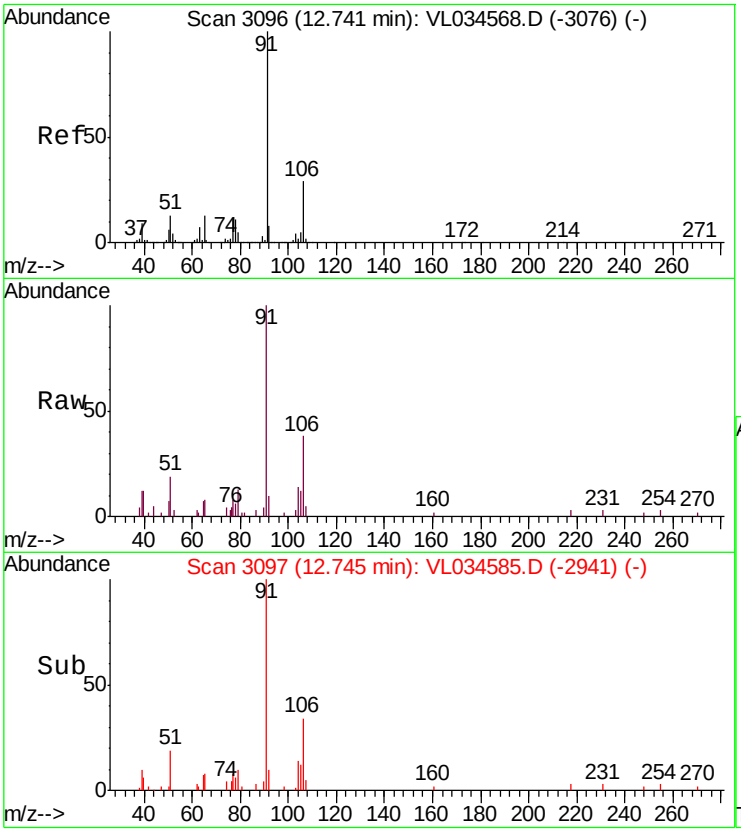


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Tgt Ion:117 Resp: 1836582

Ion	Ratio	Lower	Upper
117	100		
82	72.5	54.2	81.4
119	34.3	26.1	39.1



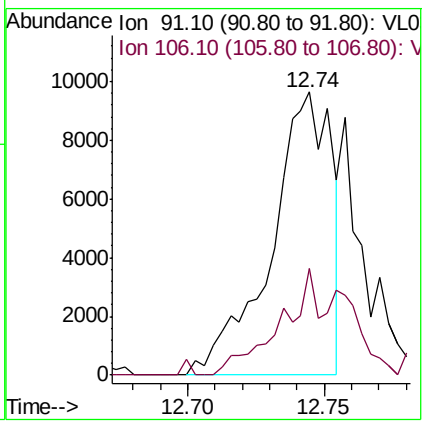


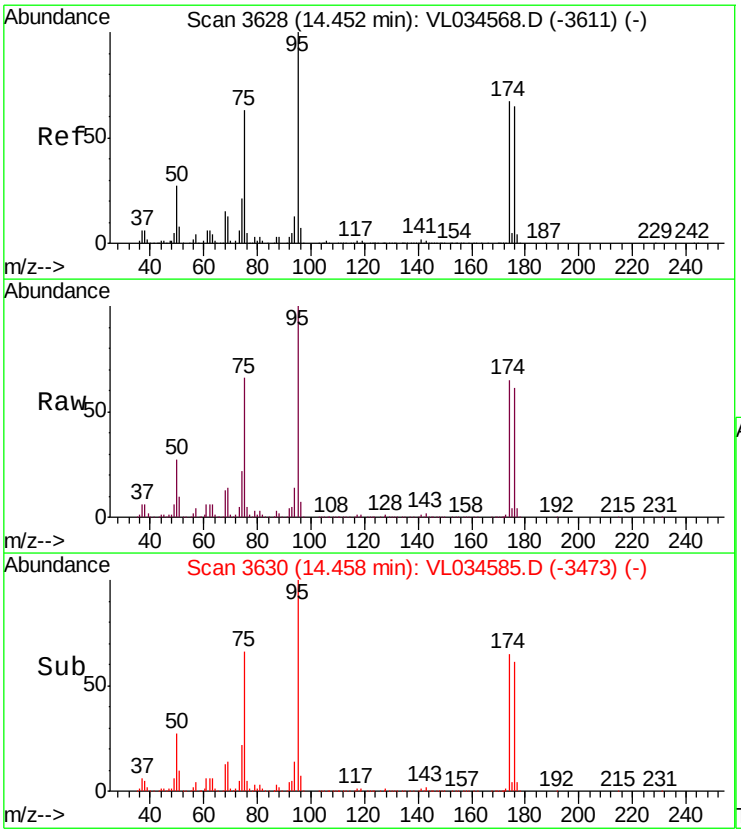
#58
Ethyl Benzene
Concen: 0.061 ppbv
RT: 12.74 min Scan# 3097
Delta R.T. 0.00 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Instrument : MSVOA_L
ClientSampleId : IA-2

Tgt Ion: 91 Resp: 14892

Ion	Ratio	Lower	Upper
91	100		
106	32.0	23.3	34.9





#68
1-Bromo-4-Fluorobenzene
Concen: 10.505 ppbv
RT: 14.46 min Scan# 3630
Delta R.T. 0.01 min
Lab File: VL034585.D
Acq: 4 Feb 2020 18:34

Tgt Ion: 95 Resp: 1630589

Ion	Ratio	Lower	Upper
95	100		
174	64.2	52.3	78.5
175	4.5	3.8	5.6