Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032119\
Data File : VL033425.D
Acq On : 21 Mar 2019 21:13
Operator : SY/AP
Sample : K1975-02DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 22 08:46:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	732837	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1715381	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	1901832	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	756376	5.37	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 53.70%#				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.01	51	2898	0.034	ppbv		100
4) Chloromethane	3.17	50	4818	0.106	ppbv	#	75
8) Dichlorotetrafluoroethane	3.08	85	3405	0.031	ppbv	#	17
9) Propene	3.04	41	1805	0.048	ppbv	#	15
10) Heptane	8.23	43	3682	0.040	ppbv	#	1
13) Ethanol	3.66	45	39953	2.232	ppbv		98
15) Acetone	3.90	43	717357	6.297	ppbv		96
16) 1,3-Butadiene	3.34	39	3151	0.085	ppbv	#	8
19) Isopropyl Alcohol	4.05	45	1879	0.035	ppbv	#	95
20) Methylene Chloride	4.41	84	13659	0.368	ppbv		84
21) Allyl Chloride	4.44	41	2682	0.049	ppbv	#	3
23) Vinyl Acetate	5.15	43	4756	0.036	ppbv	#	37
25) Ethyl Acetate	5.78	43	16167	0.098	ppbv	#	78
26) Hexane	5.78	57	32789	0.443	ppbv	#	41
34) 2-Butanone	5.35	43	12719	0.113	ppbv	#	54
39) 1,2-Dichloropropane	7.29	63	453546	7.889	ppbv	#	24
44) 2,2,4-Trimethylpentane	7.98	57	11529	0.045	ppbv	#	8
52) Tetrachloroethene	11.37	164	695200	10.870	ppbv		98
53) Toluene	9.95	91	432161	2.477	ppbv		99
59) m/p-Xylene	13.13	91	7353	0.032	ppbv	#	100
74) 1,2,4-Trimethylbenzene	16.92	105	8358	0.032	ppbv	#	56

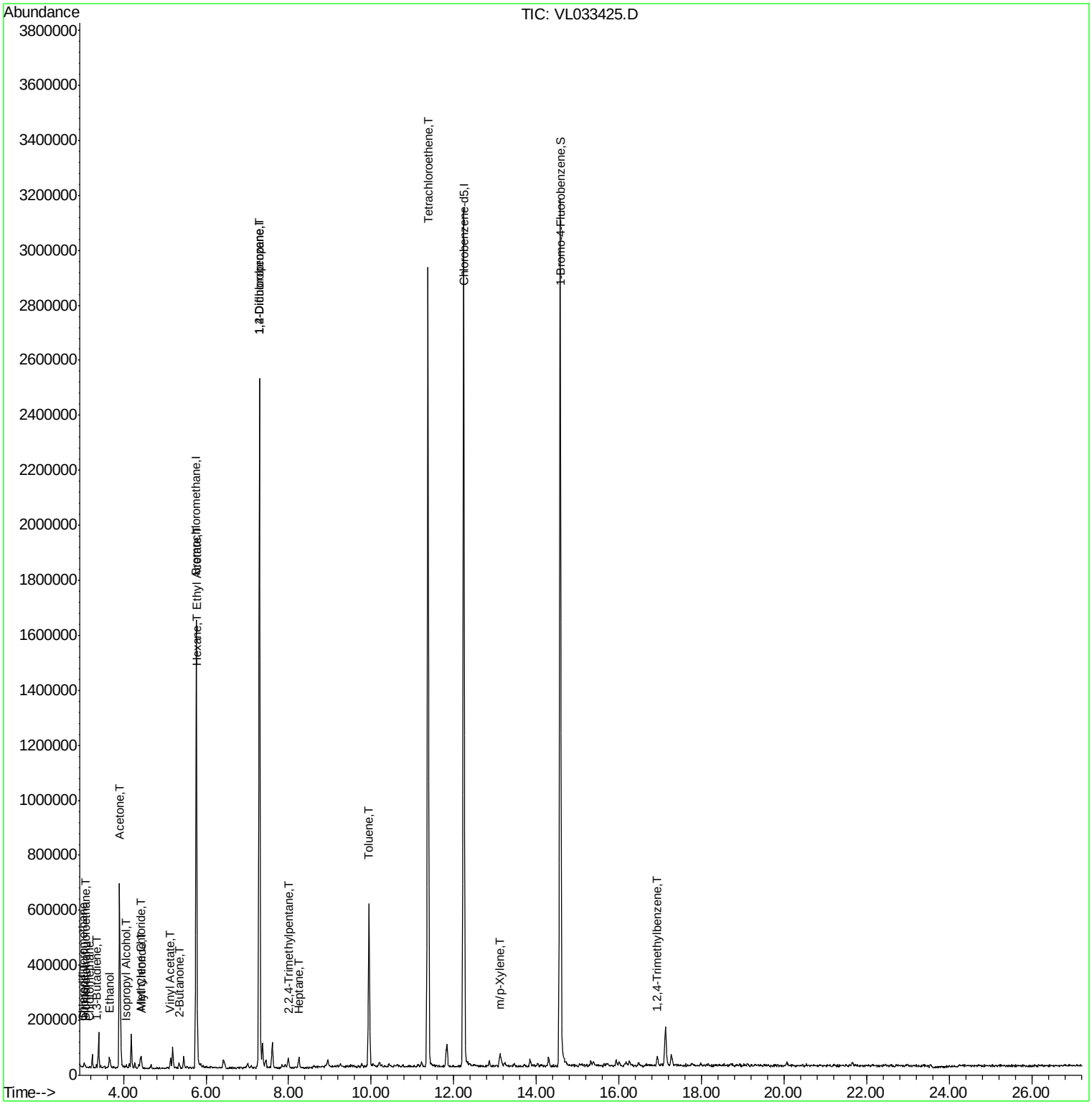
(#) = qualifier out of range (m) = manual integration (+) = signals summed

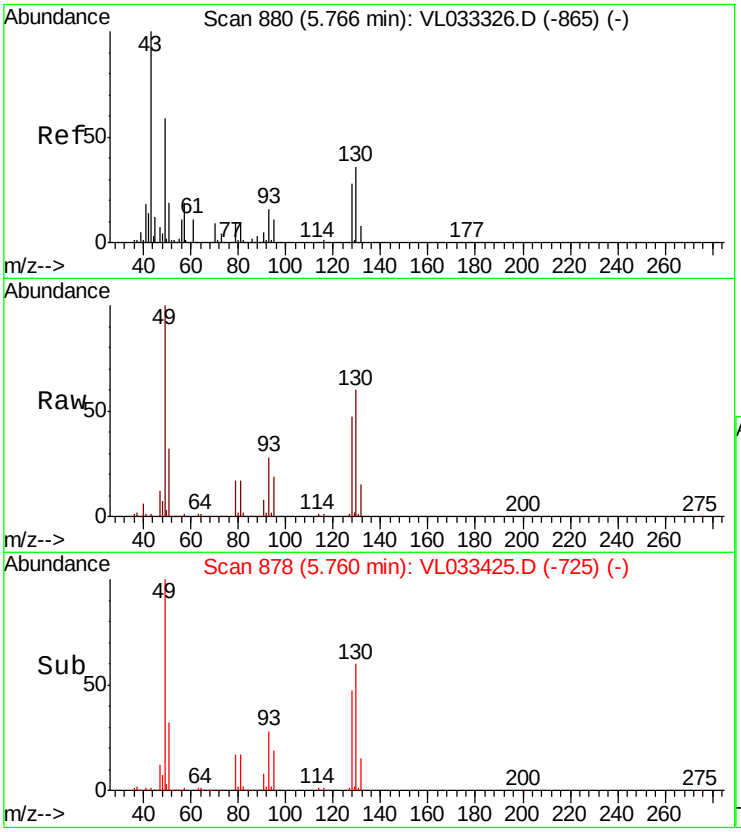
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032119\
Data File : VL033425.D
Acq On : 21 Mar 2019 21:13
Operator : SY/AP
Sample : K1975-02DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 22 08:46:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration



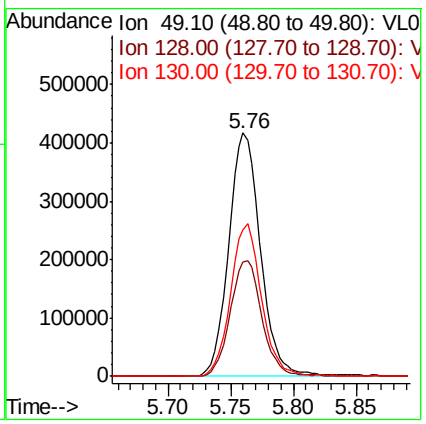


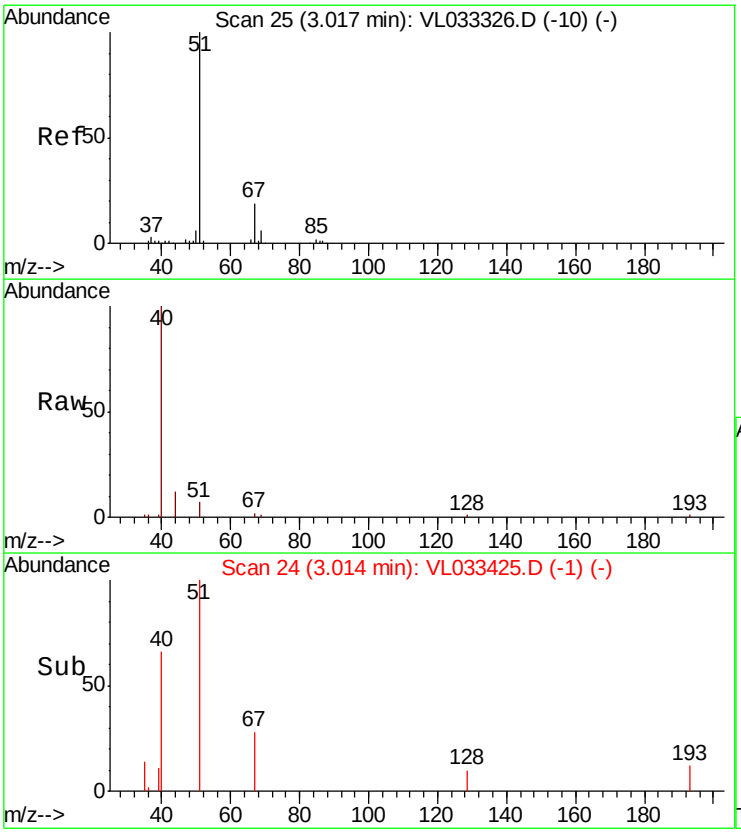
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 732837

Ion	Ratio	Lower	Upper
49	100		
128	47.8	23.5	70.6
130	61.2	30.1	90.3

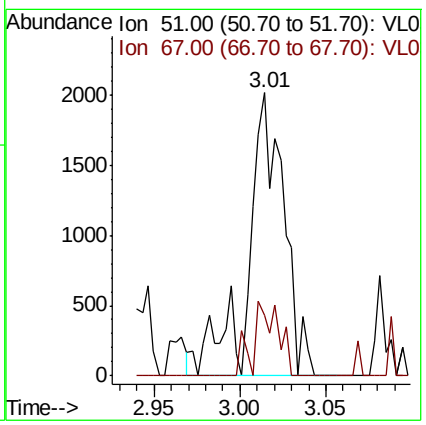


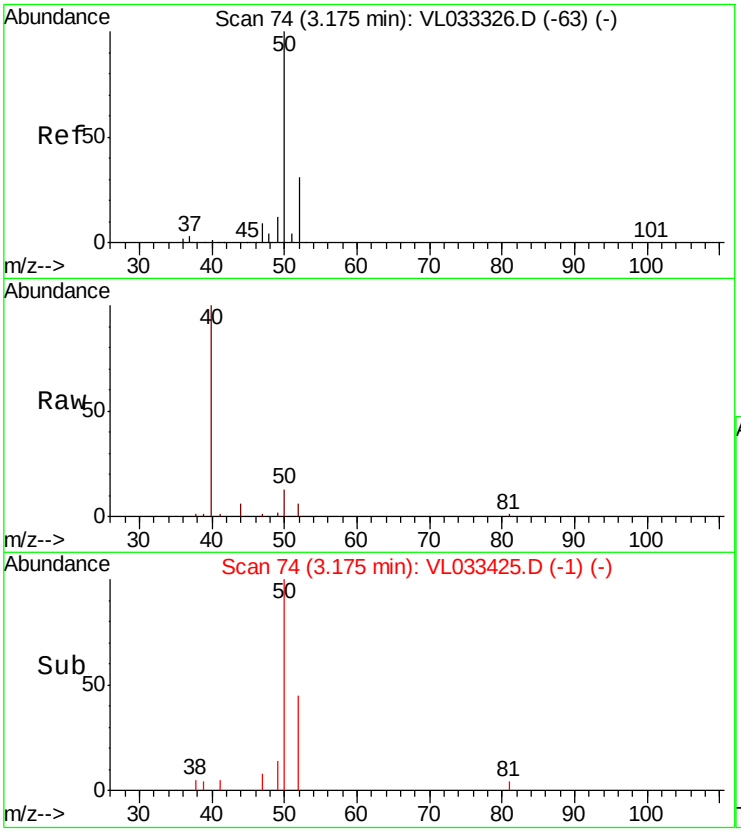


#3
Chlorodifluoromethane
Concen: 0.034 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Tgt Ion: 51 Resp: 2898

Ion	Ratio	Lower	Upper
51	100		
67	18.5	14.9	22.3



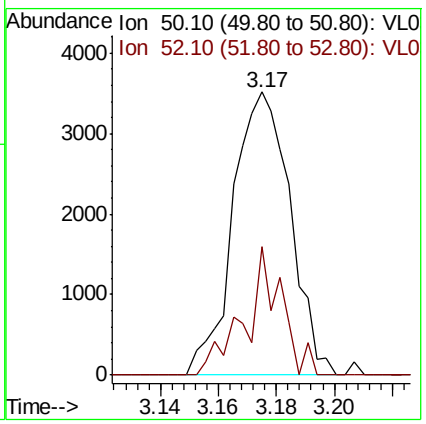


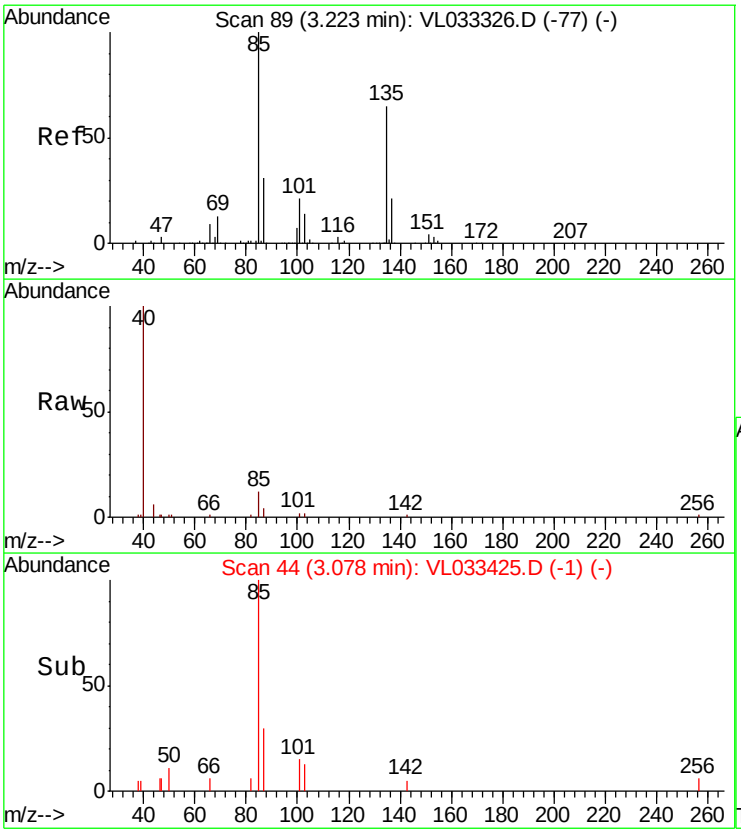
#4
Chloromethane
Concen: 0.106 ppbv
RT: 3.17 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 50 Resp: 4818

Ion	Ratio	Lower	Upper
50	100		
52	45.3	25.0	37.6#

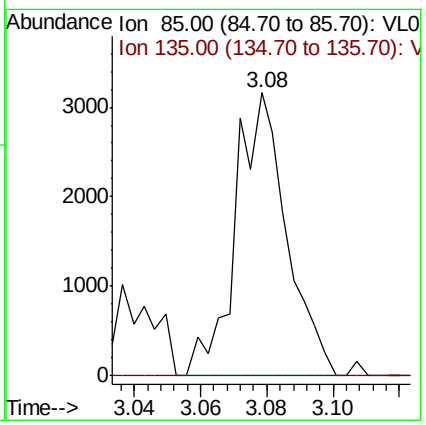


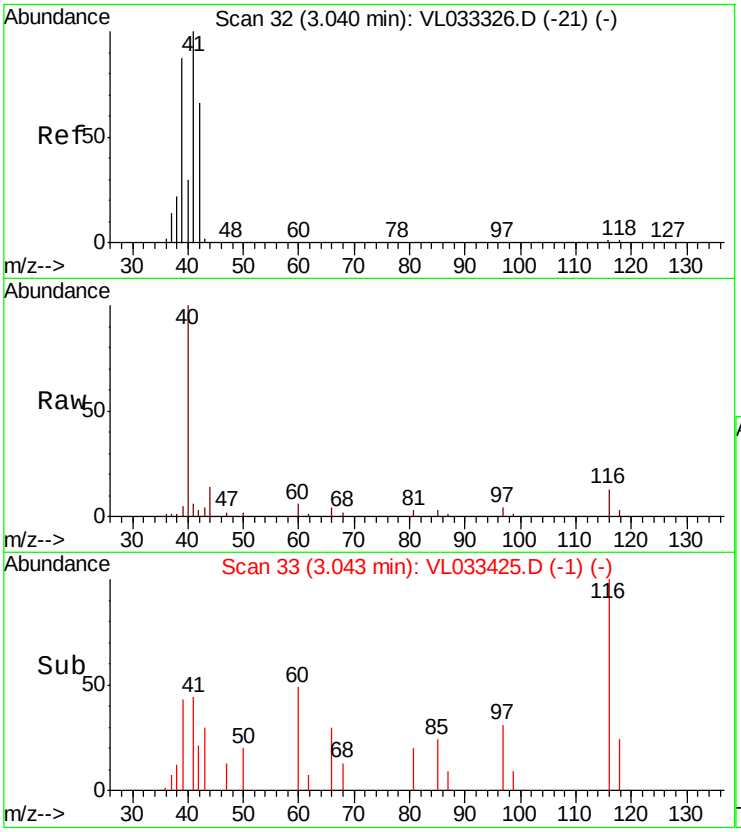


#8
Dichlorotetrafluoroethane
Concen: 0.031 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.14 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Tgt Ion: 85 Resp: 3405

Ion	Ratio	Lower	Upper
85	100		
135	0.0	53.4	80.2#



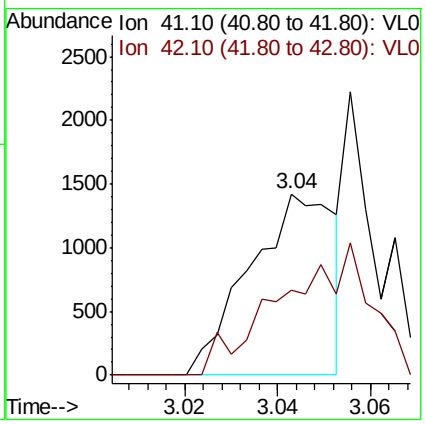


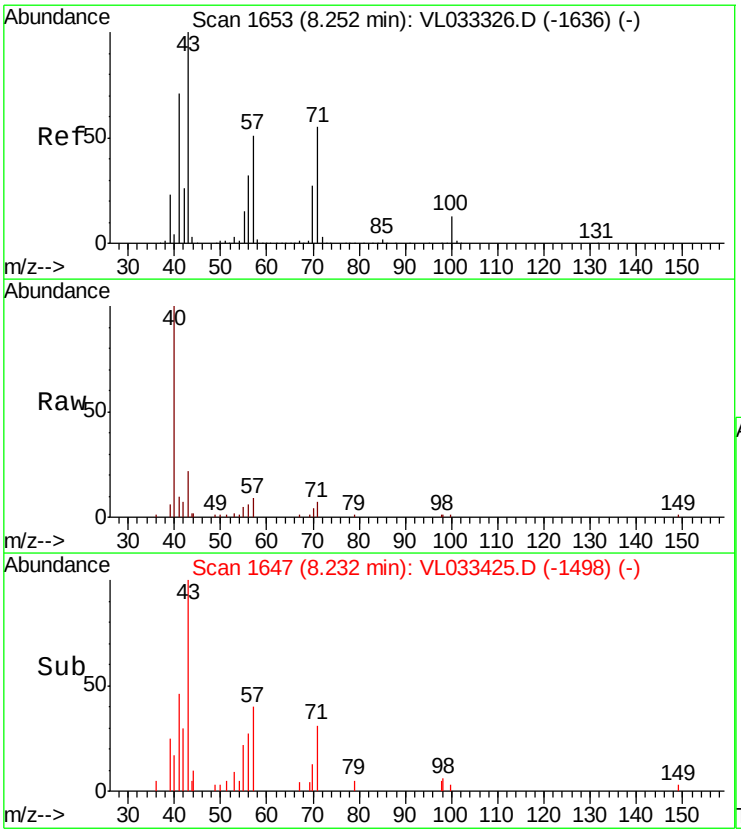
#9
Propene
Concen: 0.048 ppbv
RT: 3.04 min Scan# 33
Delta R.T. 0.00 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 1805

Ion	Ratio	Lower	Upper
41	100		
42	0.0	55.2	82.8#

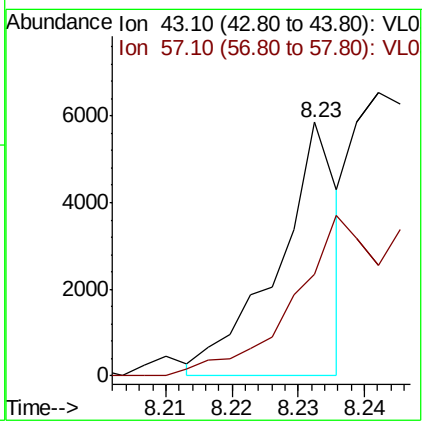


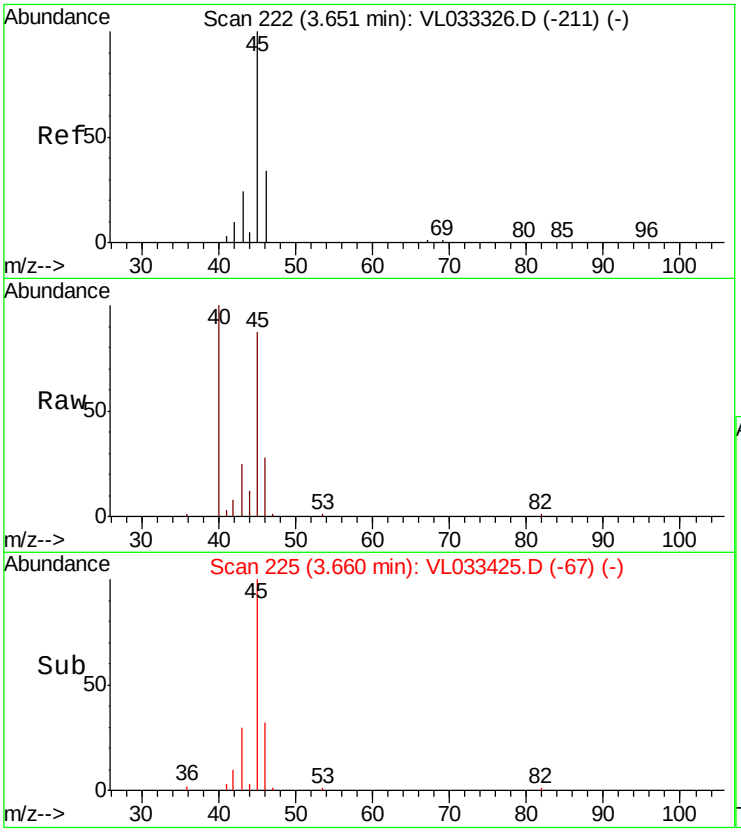


#10
Heptane
Concen: 0.040 ppbv
RT: 8.23 min Scan# 1647
Delta R.T. -0.02 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Tgt Ion: 43 Resp: 3682

Ion	Ratio	Lower	Upper
43	100		
57	198.0	40.4	60.6#



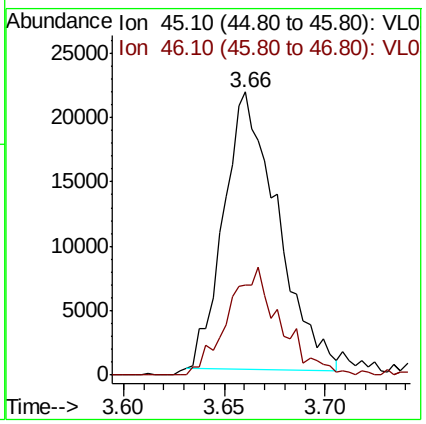


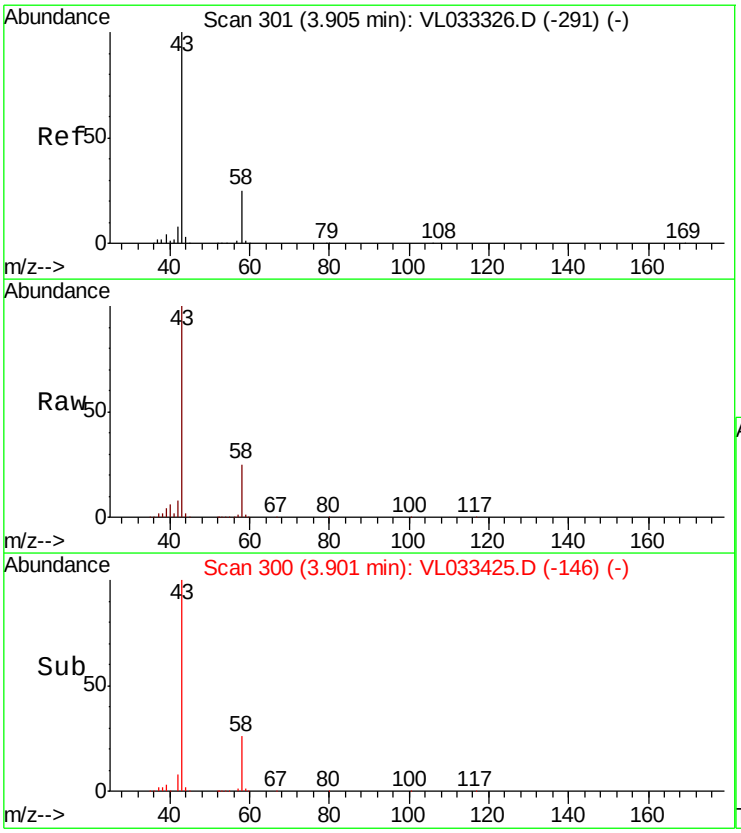
#13
Ethanol
Concen: 2.232 ppbv
RT: 3.66 min Scan# 225
Delta R.T. 0.01 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 39953

Ion	Ratio	Lower	Upper
45	100		
46	38.3	14.9	59.7

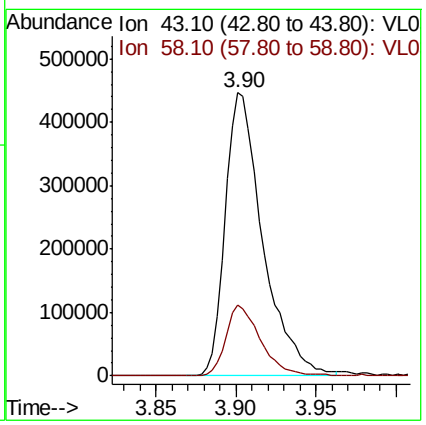


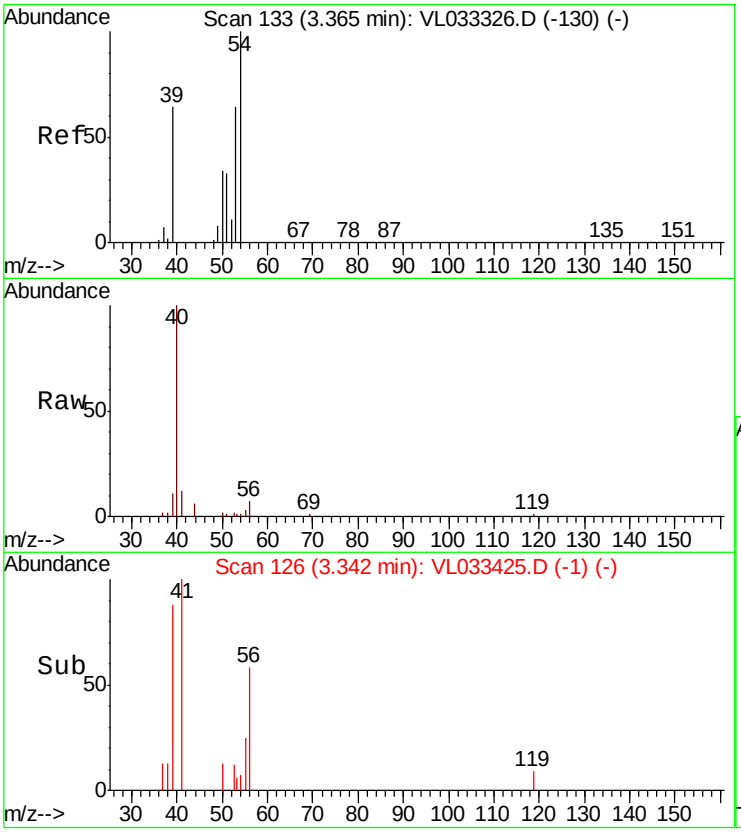


#15
Acetone
Concen: 6.297 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Tgt Ion: 43 Resp: 717357

Ion	Ratio	Lower	Upper
43	100		
58	23.5	20.4	30.6



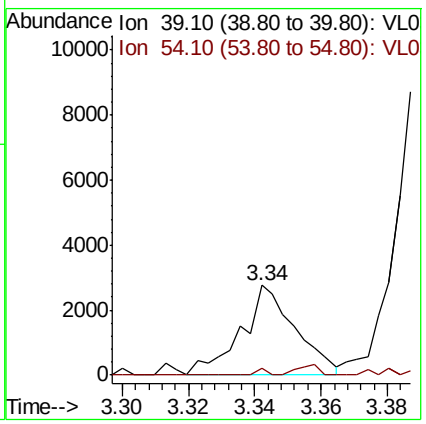


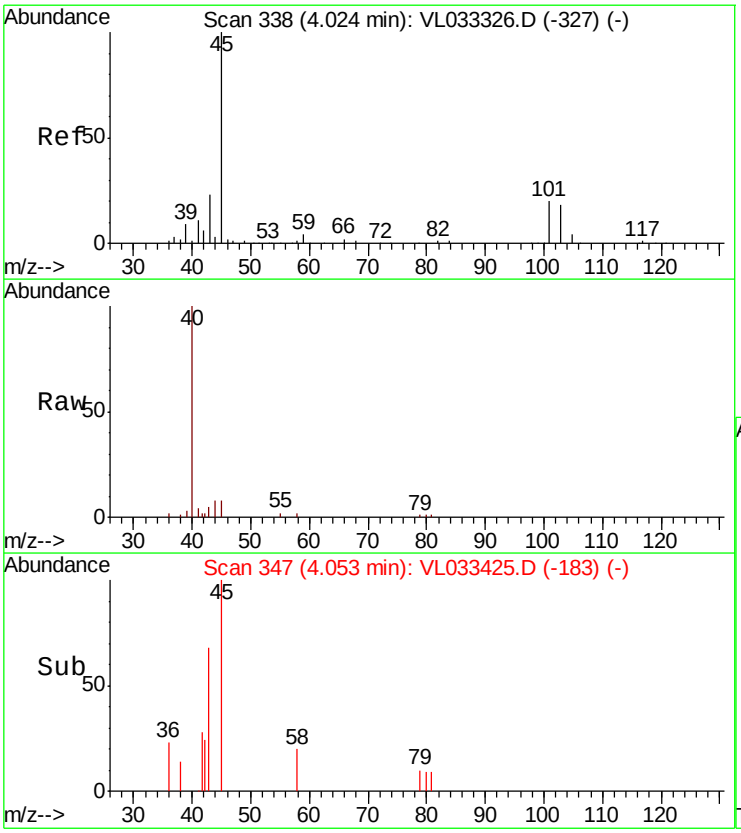
#16
1,3-Butadiene
Concen: 0.085 ppbv
RT: 3.34 min Scan# 126
Delta R.T. -0.02 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 3151

Ion	Ratio	Lower	Upper
39	100		
54	5.7	76.8	115.2#

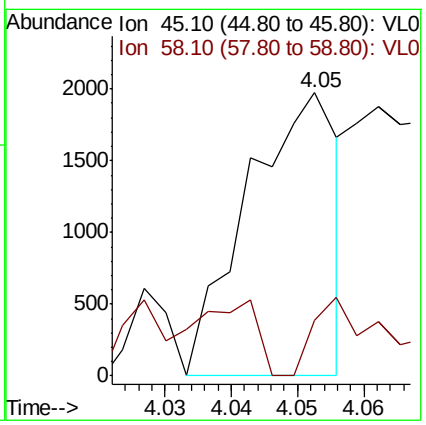


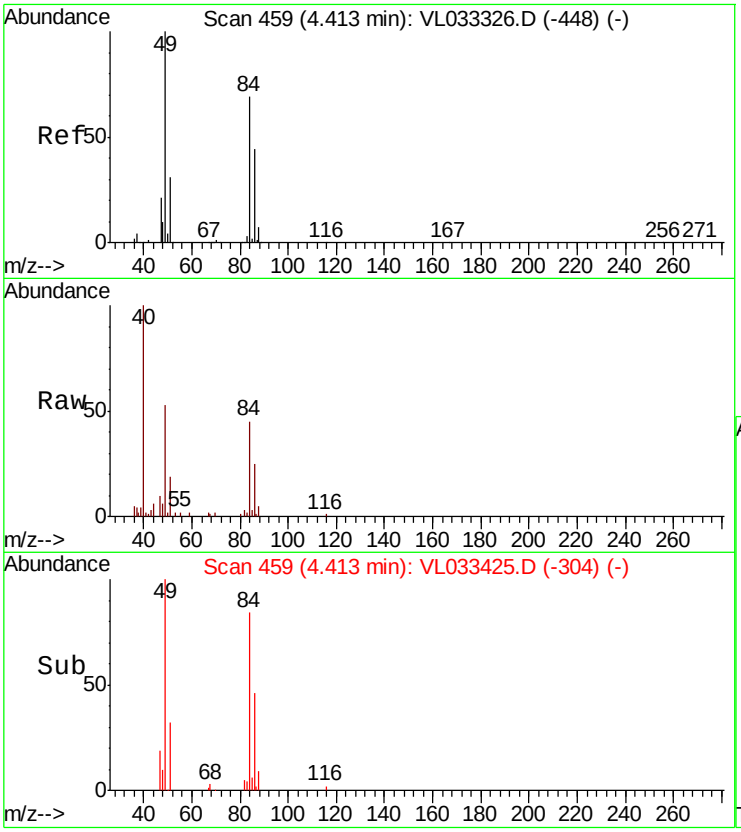


#19
Isopropyl Alcohol
Concen: 0.035 ppbv
RT: 4.05 min Scan# 347
Delta R.T. 0.03 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Tgt Ion: 45 Resp: 1879

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.5	2.3#



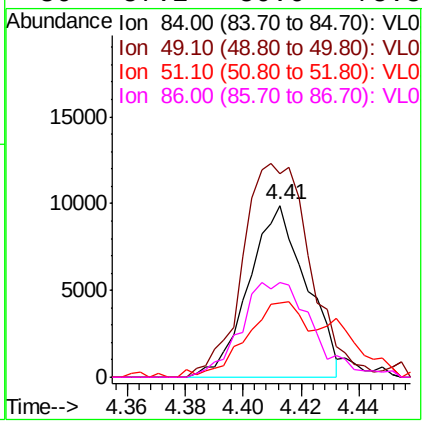


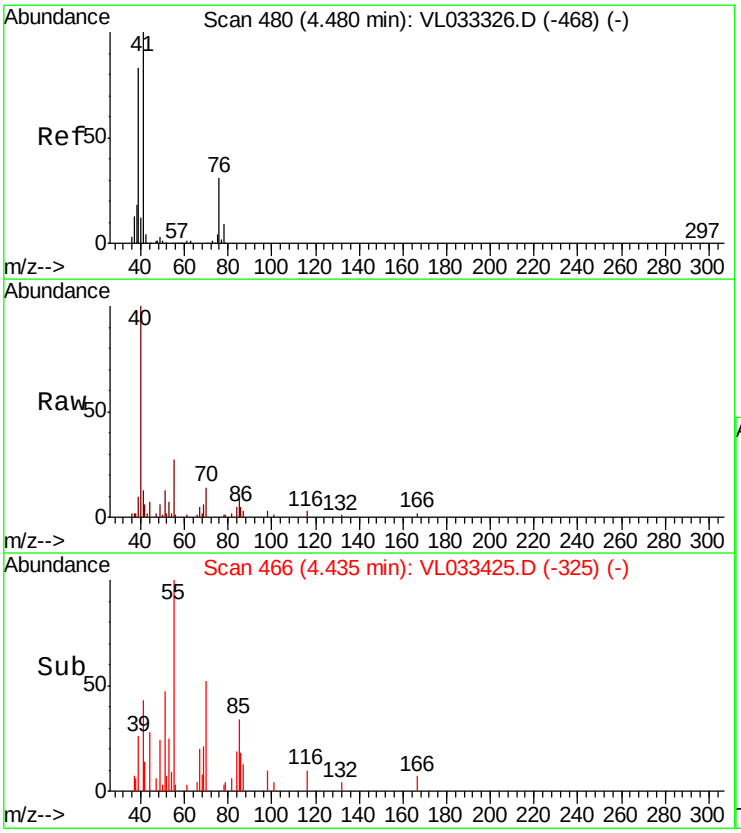
#20
Methylene Chloride
Concen: 0.368 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 13659

Ion	Ratio	Lower	Upper
84	100		
49	118.4	115.4	173.0
51	38.5	35.8	53.6
86	57.2	50.6	75.8

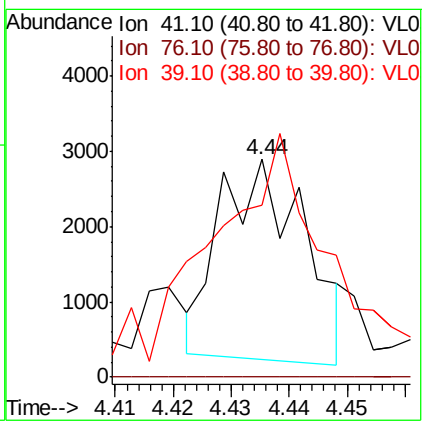


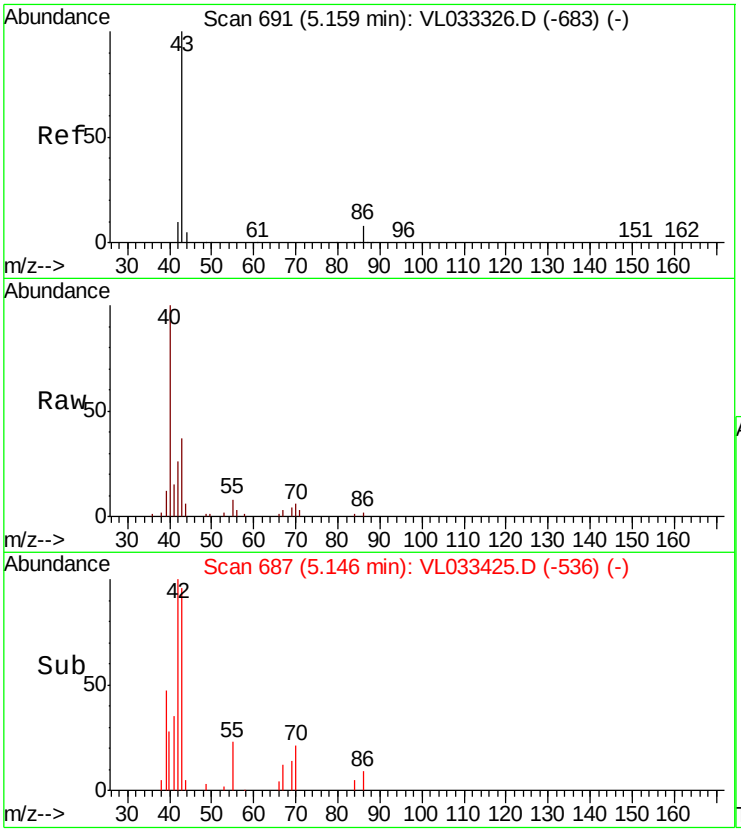


#21
Allyl Chloride
Concen: 0.049 ppbv
RT: 4.44 min Scan# 466
Delta R.T. -0.05 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Tgt Ion: 41 Resp: 2682

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.0	37.4#
39	183.3	65.9	98.9#



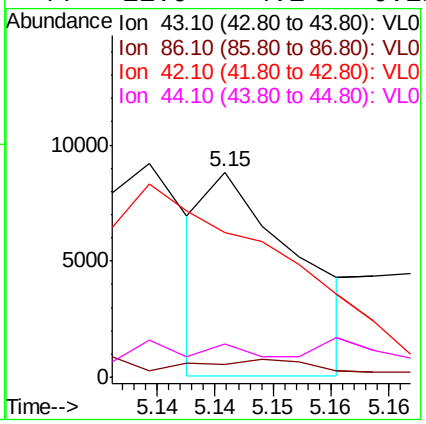


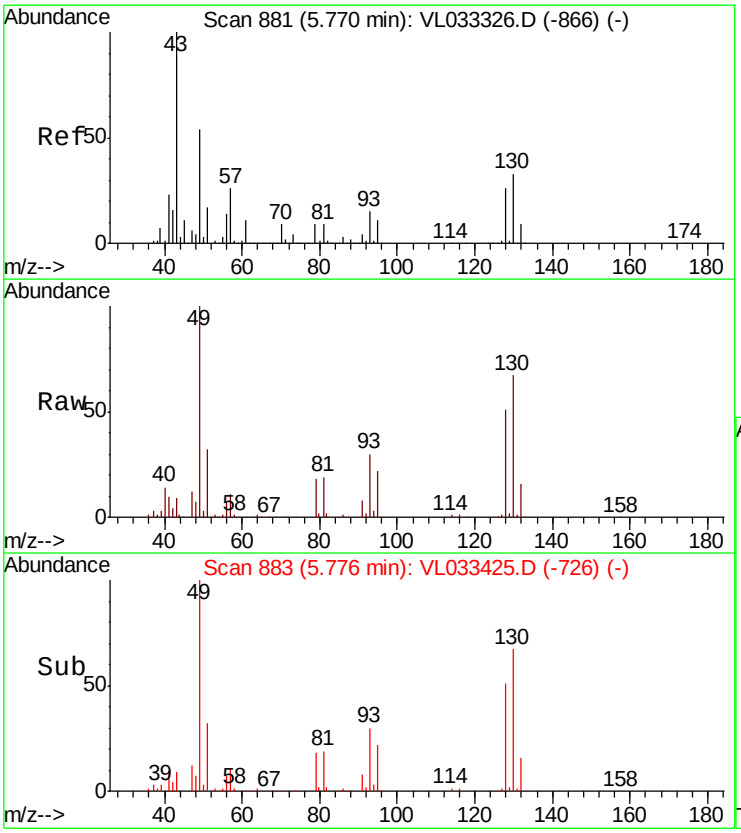
#23
Vinyl Acetate
Concen: 0.036 ppbv
RT: 5.15 min Scan# 687
Delta R.T. -0.01 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 4756

Ion	Ratio	Lower	Upper
43	100		
86	6.2	6.2	9.2
42	57.9	8.1	12.1#
44	11.9	4.1	6.1#

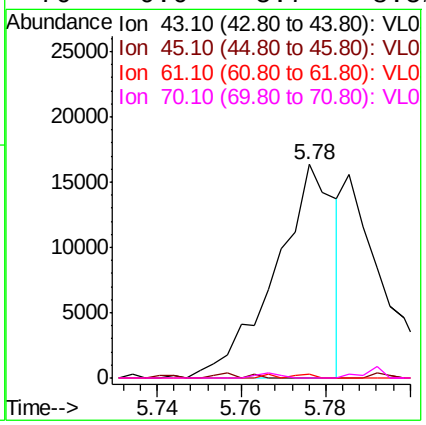


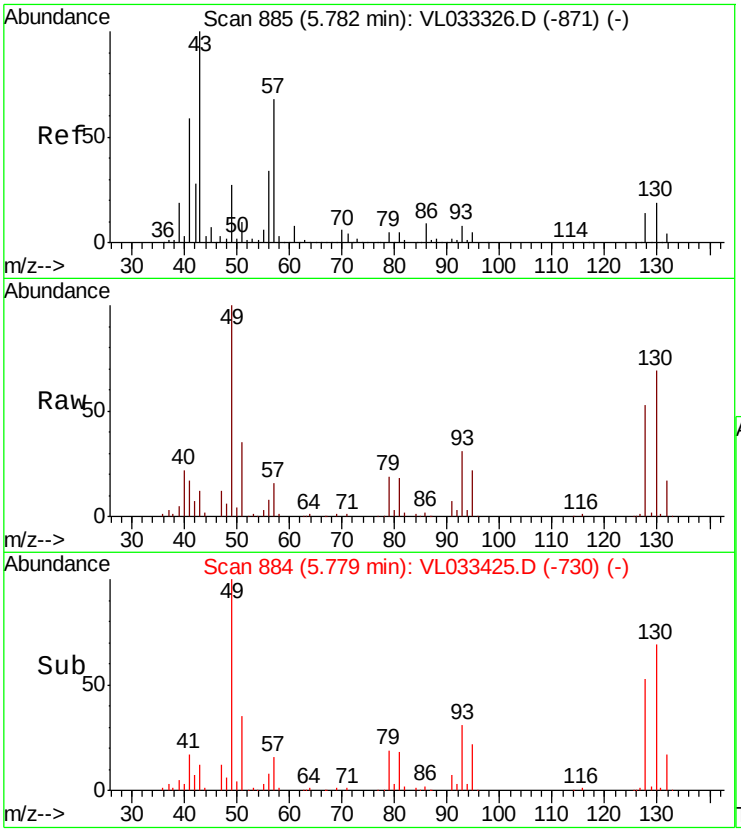


#25
Ethyl Acetate
Concen: 0.098 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Tgt Ion: 43 Resp: 16167

Ion	Ratio	Lower	Upper
43	100		
45	1.6	7.9	11.9#
61	0.9	7.4	11.2#
70	0.0	5.7	8.5#



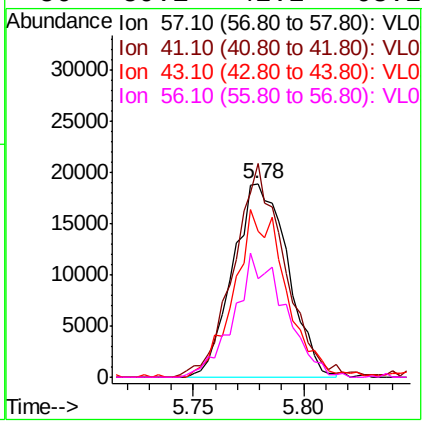


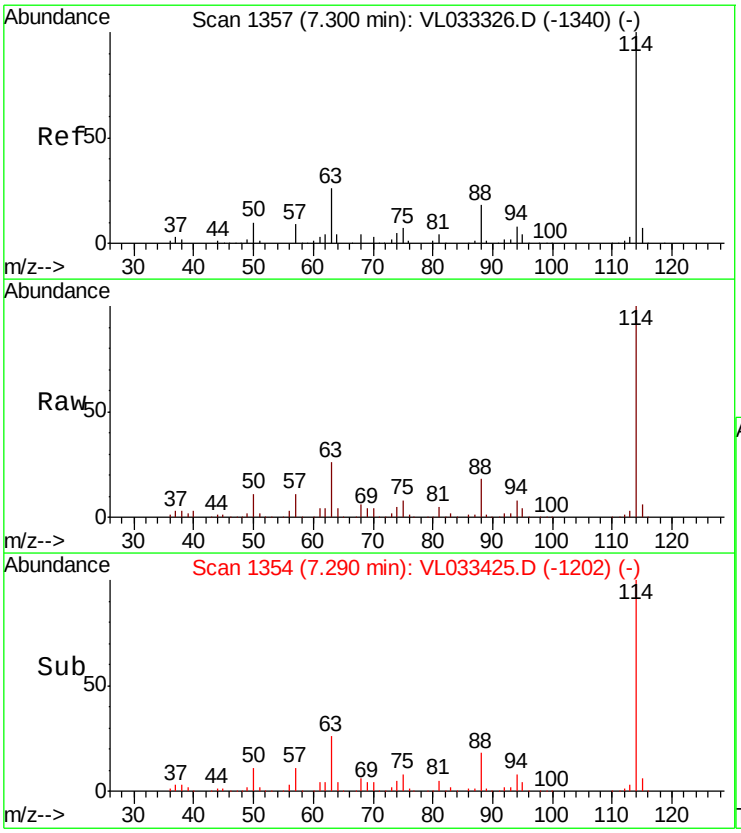
#26
Hexane
Concen: 0.443 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 32789

Ion	Ratio	Lower	Upper
57	100		
41	102.6	70.5	105.7
43	83.5	181.8	272.8#
56	59.1	42.2	63.2

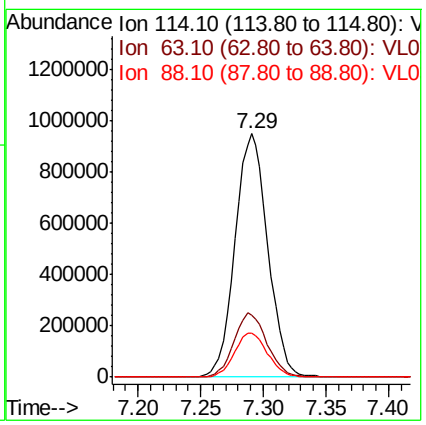


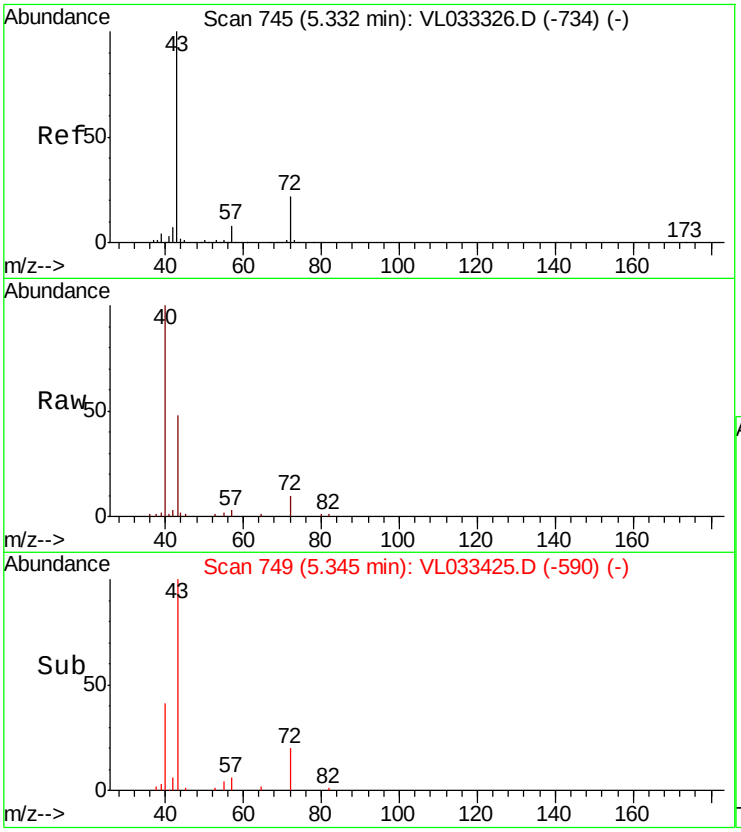


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Tgt Ion:114 Resp: 1715381

Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.4	32.2
88	18.4	14.5	21.7



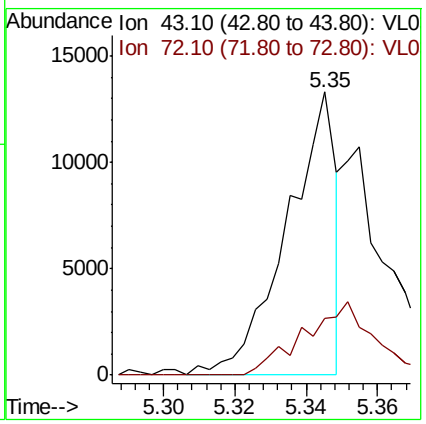


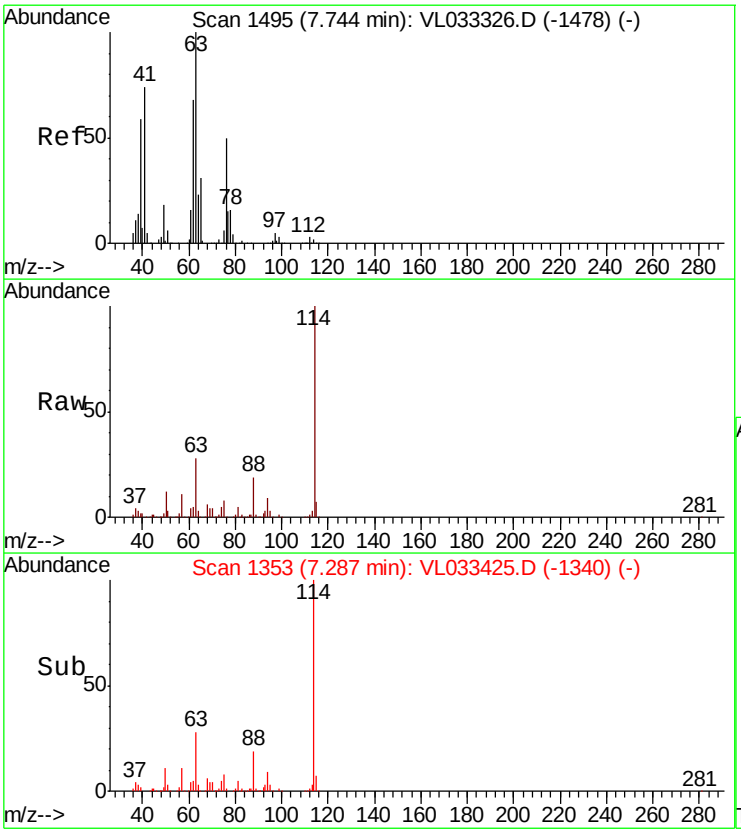
#34
2-Butanone
Concen: 0.113 ppbv
RT: 5.35 min Scan# 749
Delta R.T. 0.01 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 12719

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#

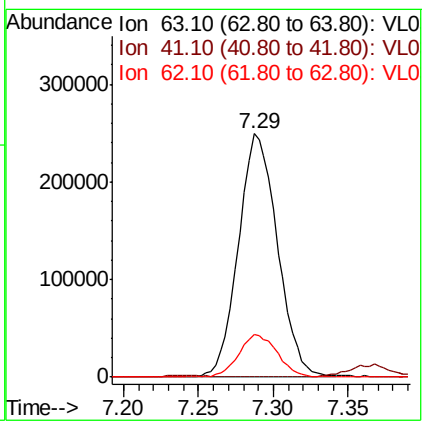


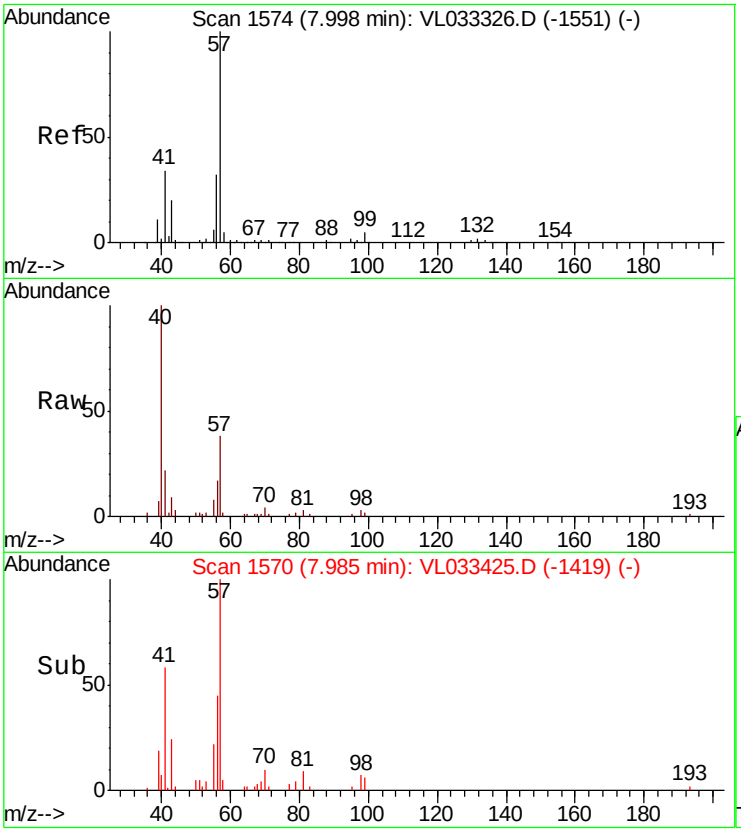


#39
1,2-Dichloropropane
Concen: 7.889 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.46 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Tgt Ion: 63 Resp: 453546

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.5	89.3#
62	17.8	54.7	82.1#



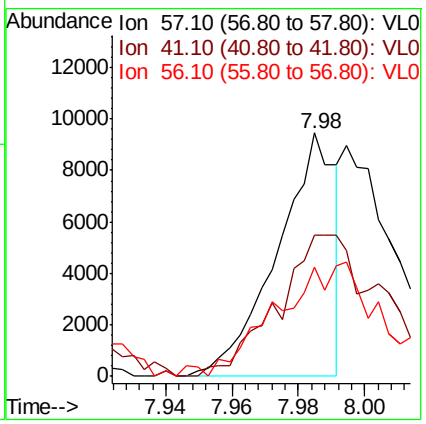


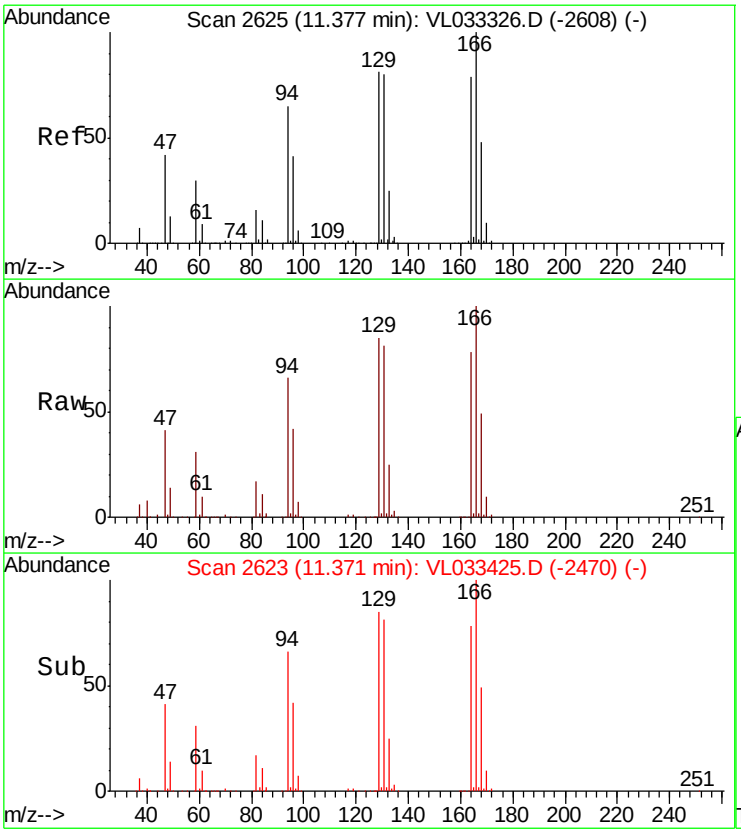
#44
2,2,4-Trimethylpentane
Concen: 0.045 ppbv
RT: 7.98 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 11529

Ion	Ratio	Lower	Upper
57	100		
41	103.6	26.0	39.0#
56	0.0	24.6	36.8#

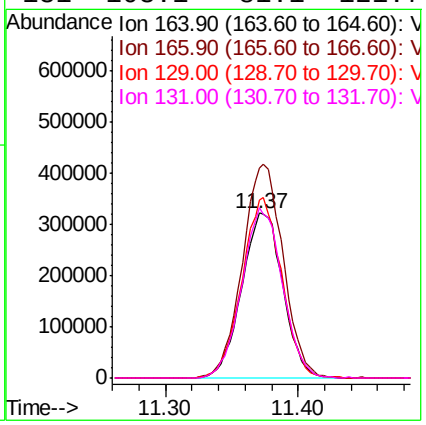


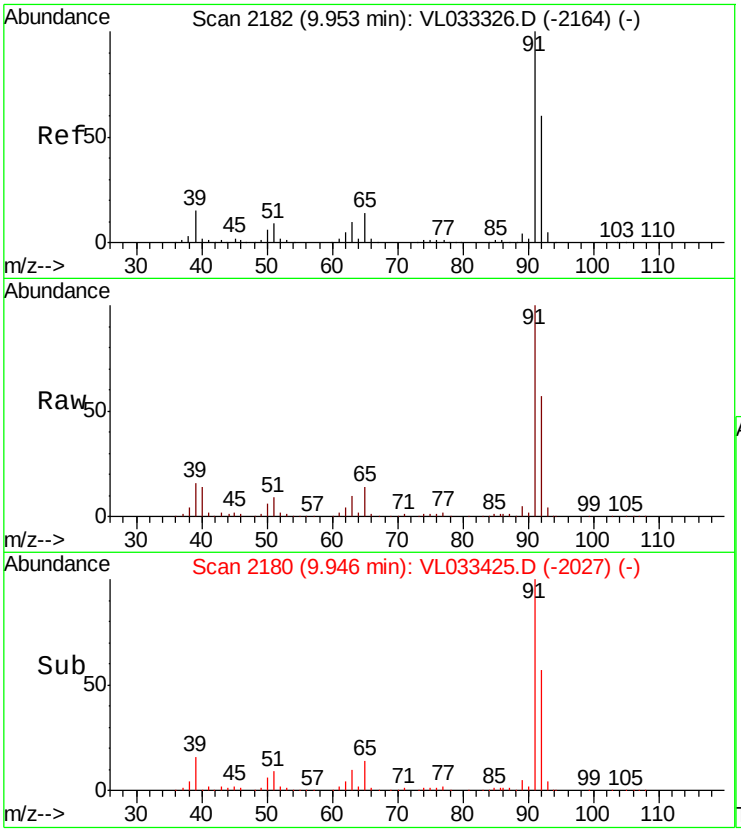


#52
Tetrachloroethene
Concen: 10.870 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Tgt Ion:164 Resp: 695200

Ion	Ratio	Lower	Upper
164	100		
166	127.6	101.5	152.3
129	108.0	82.2	123.2
131	103.1	81.1	121.7



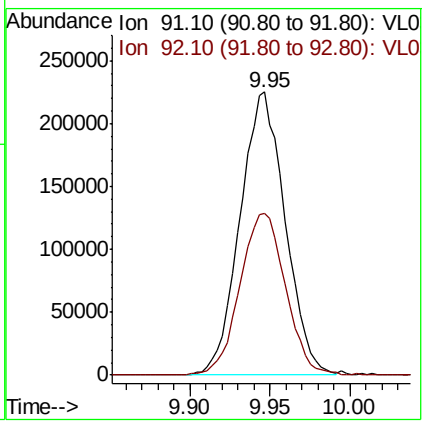


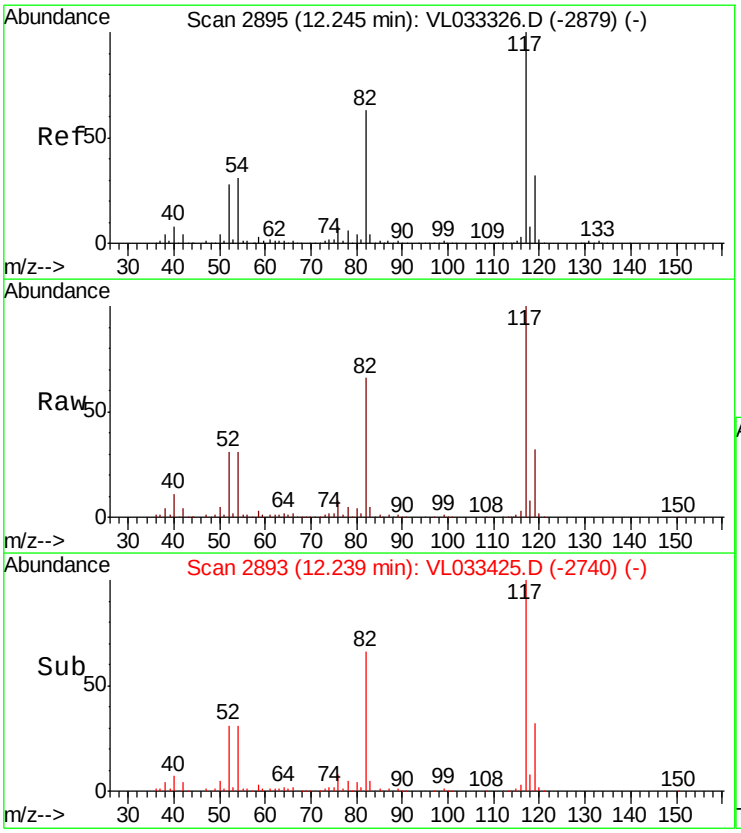
#53
Toluene
Concen: 2.477 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 432161

Ion	Ratio	Lower	Upper
91	100		
92	58.2	47.4	71.0

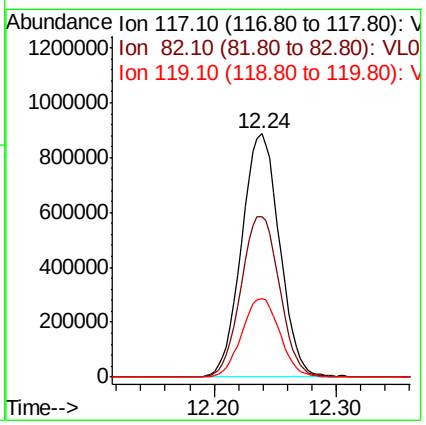


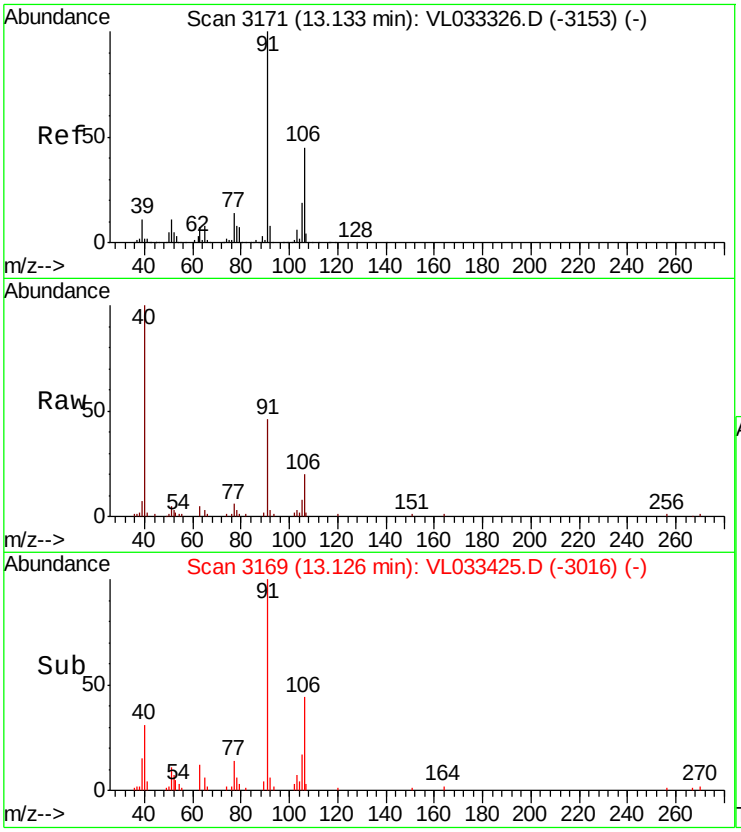


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Tgt Ion:117 Resp: 1901832

Ion	Ratio	Lower	Upper
117	100		
82	67.3	53.4	80.2
119	32.6	27.3	40.9



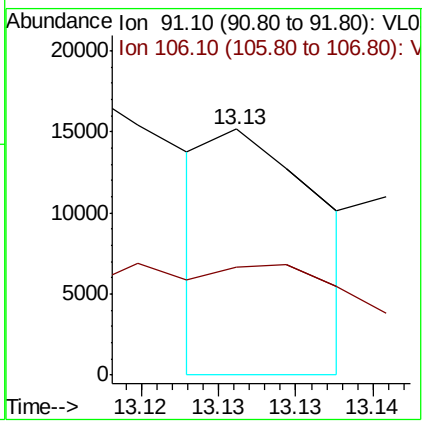


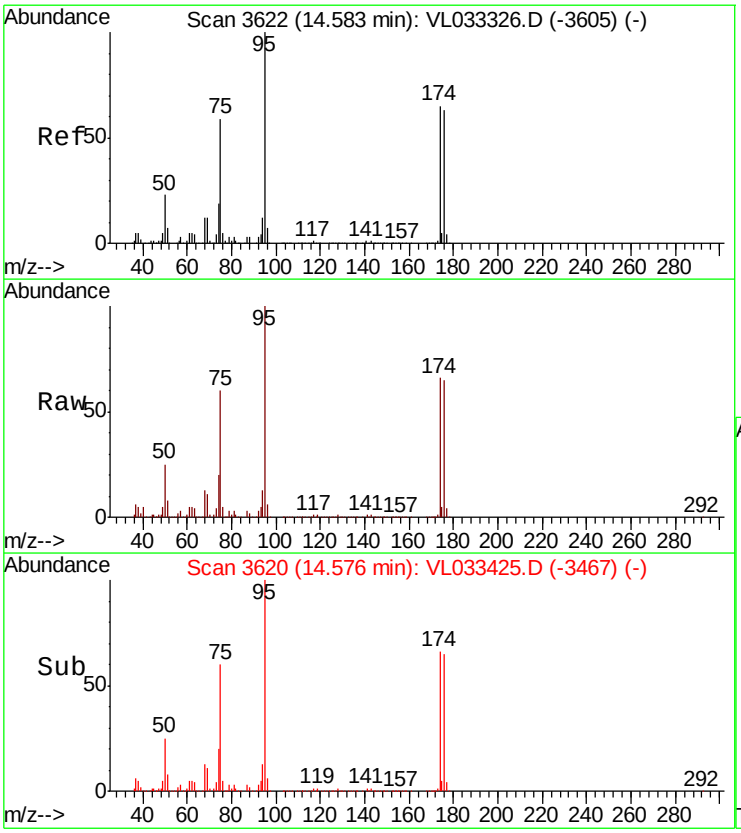
#59
m/p-Xylene
Concen: 0.032 ppbv
RT: 13.13 min Scan# 3169
Delta R.T. -0.01 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 7353

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

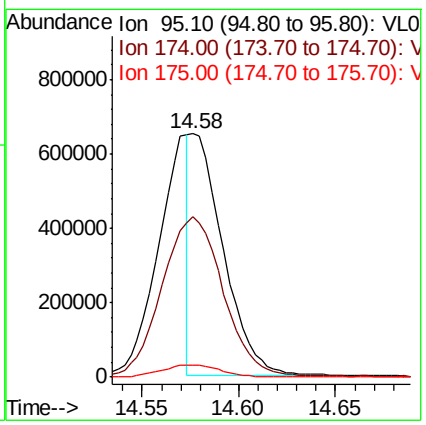


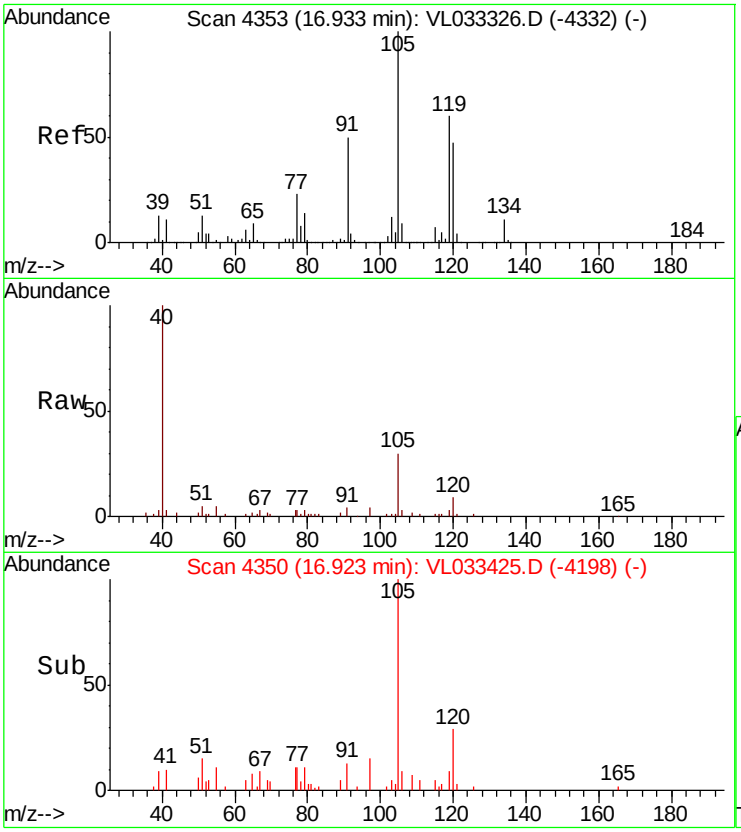


#68
1-Bromo-4-Fluorobenzene
Concen: 5.367 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Tgt Ion: 95 Resp: 756376

Ion	Ratio	Lower	Upper
95	100		
174	127.3	51.5	77.3#
175	9.4	3.8	5.6#





#74
1,2,4-Trimethylbenzene
Concen: 0.032 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL033425.D
Acq: 21 Mar 2019 21:13

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 8358

Ion	Ratio	Lower	Upper
105	100		
120	15.0	37.4	56.2#
91	8.6	41.0	61.4#
77	23.3	18.5	27.7