Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070518\

Quantitation Report (Not Reviewed)

Data File : VL032225.D
Acq On : 6 Jul 2018 8:55
Operator : SY/AP
Sample : J3867-01DUP 2X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 539BDL

Quant Time: Jul 06 12:49:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 29 22:27:58 2018
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.84	49	1660620	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.38	114	4076300	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.34	117	4136780	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.67	95	3120469	9.87	ppbv		-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.13	85	55491	0.254	ppbv		94
3) Chlorodifluoromethane	3.07	51	78039	0.385	ppbv		95
4) Chloromethane	3.22	50	35376	0.327	ppbv	#	86
9) Propene	3.10	41	62593	0.662	ppbv		85
10) Heptane	8.33	43	22723	0.082	ppbv	#	76
11) Trichlorofluoromethane	4.07	101	38514	0.163	ppbv		99
13) Ethanol	3.73	45	545997	19.045	ppbv		99
15) Acetone	3.96	43	2666342	13.732	ppbv		99
16) 1,3-Butadiene	3.40	39	11601	0.125	ppbv	#	9
19) Isopropyl Alcohol	4.12	45	121417	0.753	ppbv	#	1
20) Methylene Chloride	4.48	84	1324652	18.668	ppbv		96
21) Allyl Chloride	4.48	41	26680	0.201	ppbv	#	33
23) Vinyl Acetate	5.22	43	77796	0.221	ppbv	#	39
25) Ethyl Acetate	5.86	43	2077778	5.172	ppbv	#	77
26) Hexane	5.86	57	2975825	16.085	ppbv	#	45
27) Carbon Disulfide	4.69	76	43266	0.235	ppbv	#	56
29) Chloroform	5.93	83	9739	0.036	ppbv		99
30) Cyclohexane	7.33	84	8840	0.051	ppbv	#	1
34) 2-Butanone	5.41	43	116968	0.452	ppbv		100
36) Benzene	7.08	78	56616	0.144	ppbv	#	93
38) Trichloroethene	8.04	130	9535	0.062	ppbv	#	81
39) 1,2-Dichloropropane	7.38	63	1136681	7.305	ppbv	#	26
41) Tetrahydrofuran	6.50	42	14003	0.090	ppbv	#	37
44) 2,2,4-Trimethylpentane	8.08	57	115363	0.167	ppbv	#	77
53) Toluene	10.04	91	165297	0.347	ppbv		99
58) Ethyl Benzene	12.96	91	29625	0.044	ppbv		95
59) m/p-Xylene	13.24	91	25011	0.047	ppbv	#	29
60) o-Xylene	13.94	91	41075	0.077	ppbv		97
73) 1,3,5-Trimethylbenzene	16.25	105	47694	0.074	ppbv		96
74) 1,2,4-Trimethylbenzene	17.02	105	110431	0.169	ppbv	#	71

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

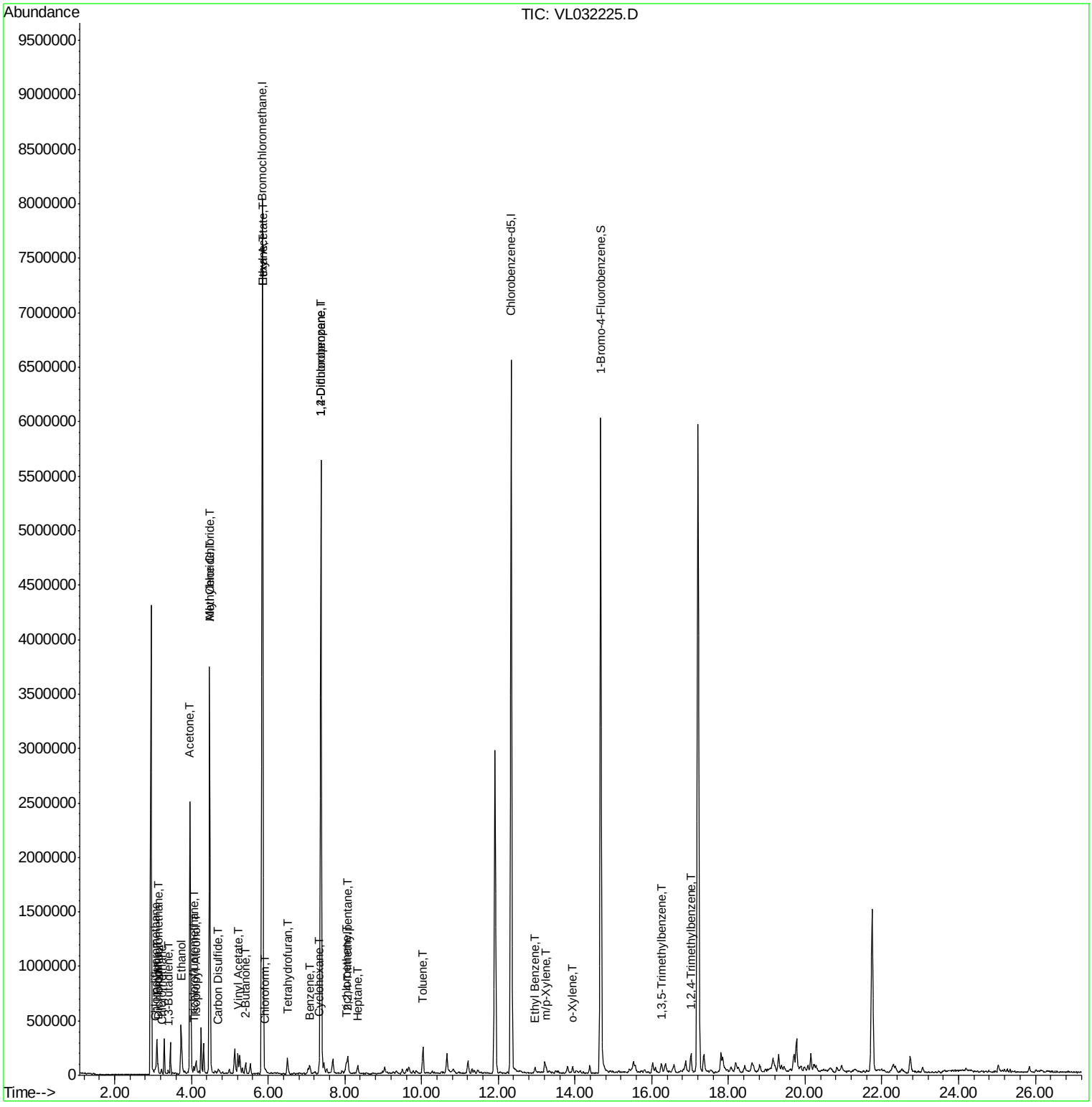
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070518\

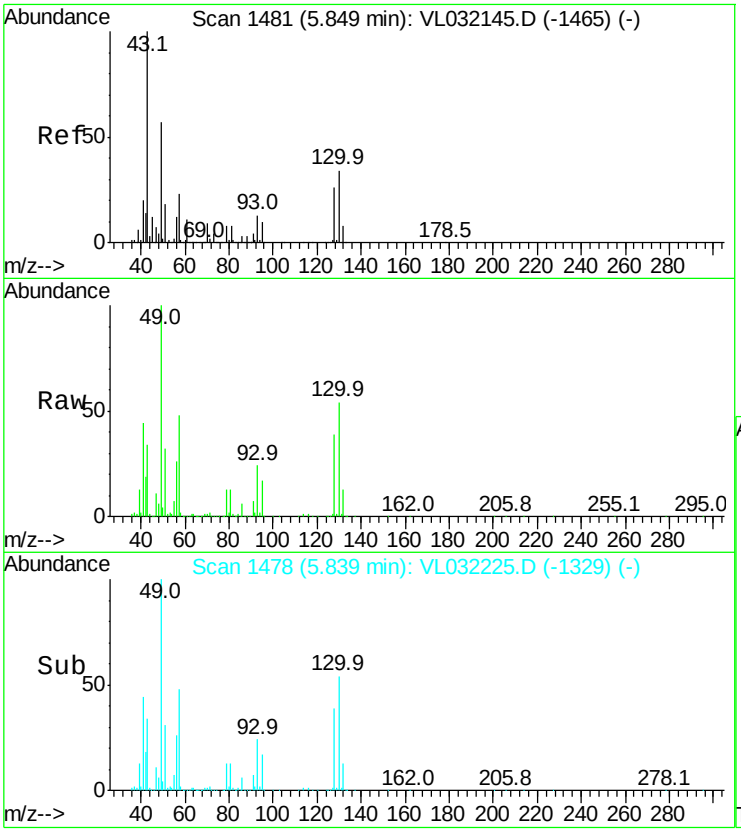
Quantitation Report (Not Reviewed)

Data File : VL032225.D
Acq On : 6 Jul 2018 8:55
Operator : SY/AP
Sample : J3867-01DUP 2X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 539BDL

Quant Time: Jul 06 12:49:51 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 29 22:27:58 2018
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration



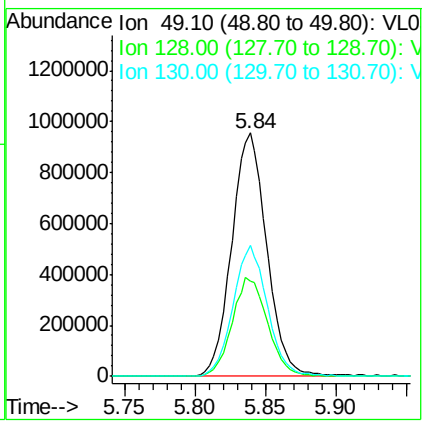


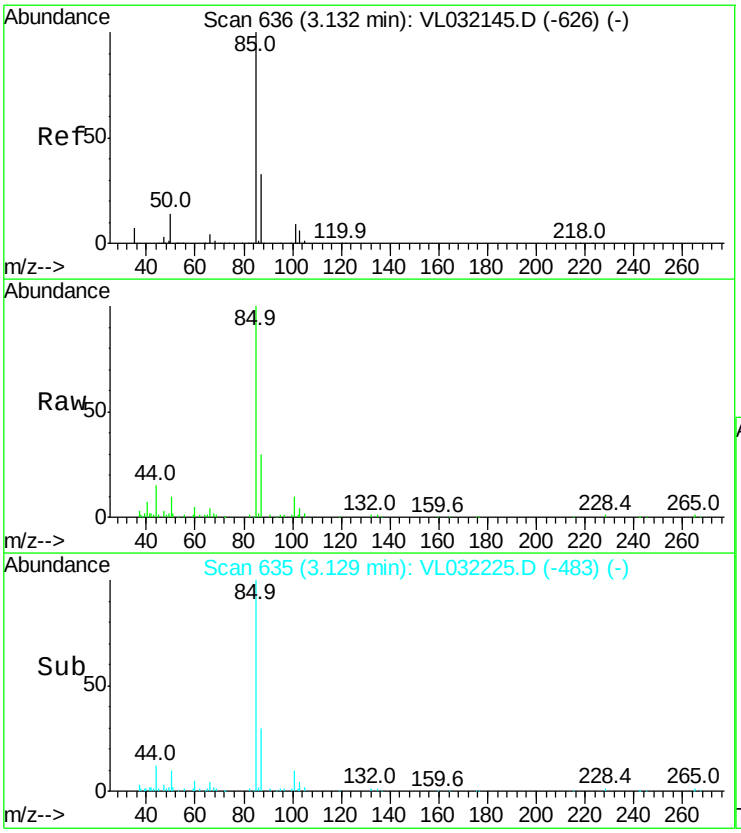
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.84 min Scan# 1478
Delta R.T. -0.02 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Instrument :
MSVOA_L
ClientSampleId :
539BDL

Tgt Ion: 49 Resp: 1660620

Ion	Ratio	Lower	Upper
49	100		
128	41.5	23.4	70.0
130	53.2	30.3	90.9

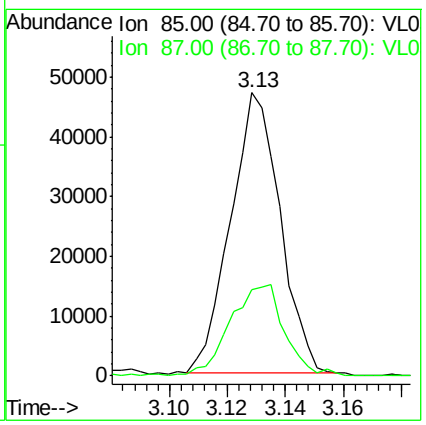


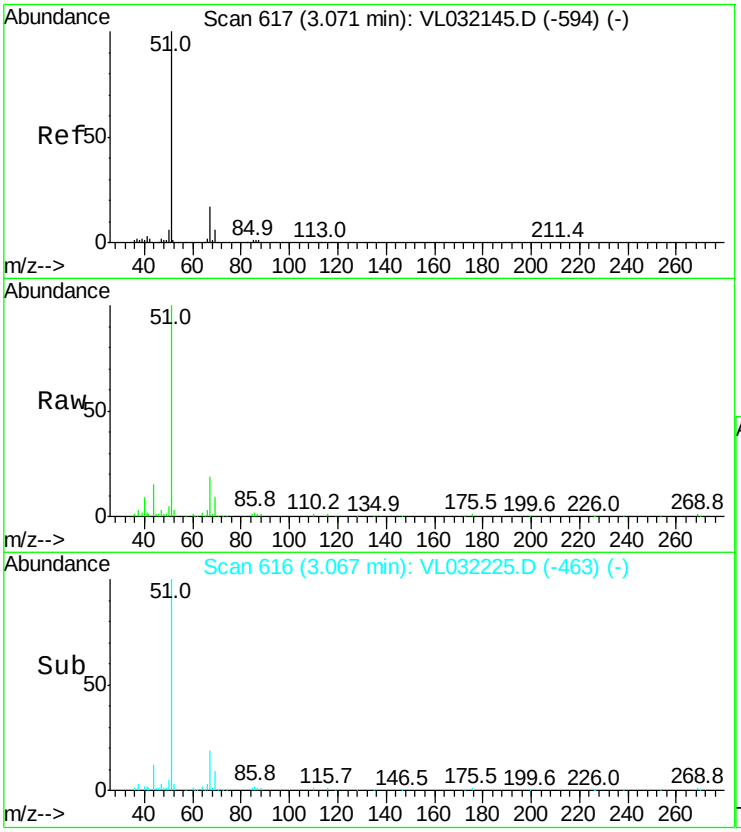


#2
Dichlorodifluoromethane
Concen: 0.254 ppbv
RT: 3.13 min Scan# 635
Delta R.T. -0.01 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Tgt Ion: 85 Resp: 55491

Ion	Ratio	Lower	Upper
85	100		
87	30.2	26.7	40.1



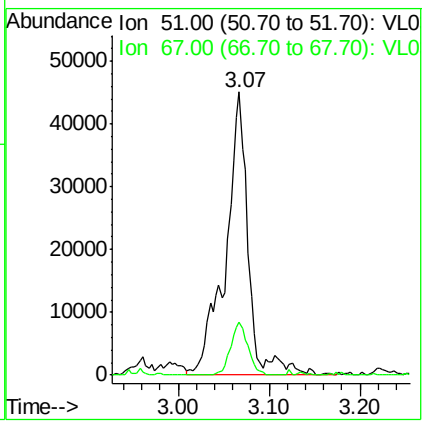


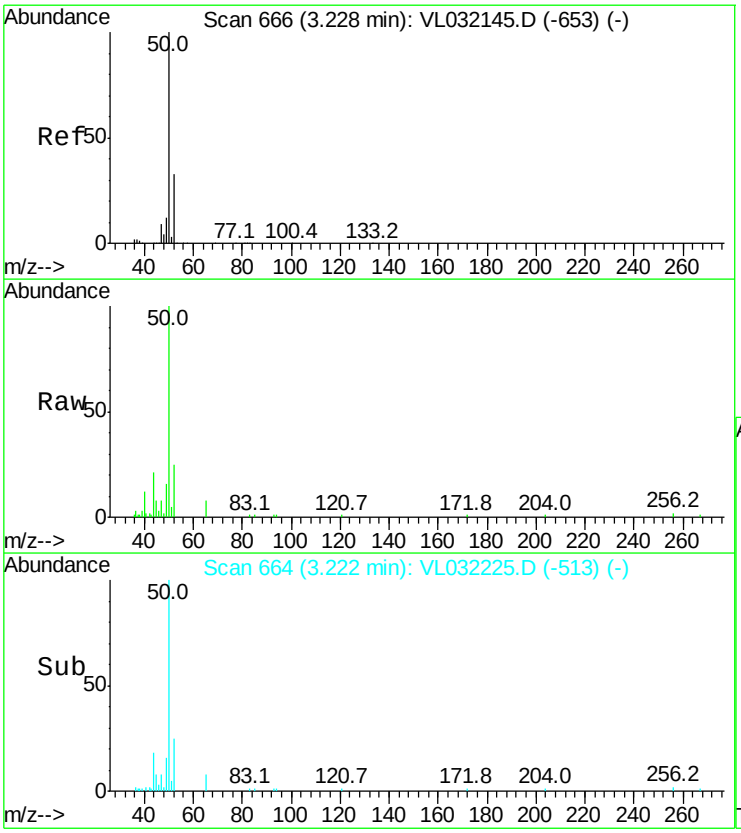
#3
Chlorodifluoromethane
Concen: 0.385 ppbv
RT: 3.07 min Scan# 616
Delta R.T. -0.01 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Instrument : MSVOA_L
ClientSampleId : 539BDL

Tgt Ion: 51 Resp: 78039

Ion	Ratio	Lower	Upper
51	100		
67	14.2	13.2	19.8

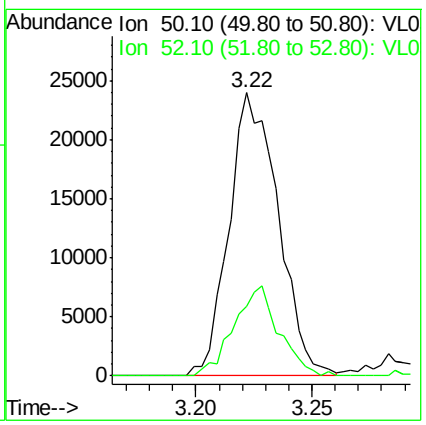


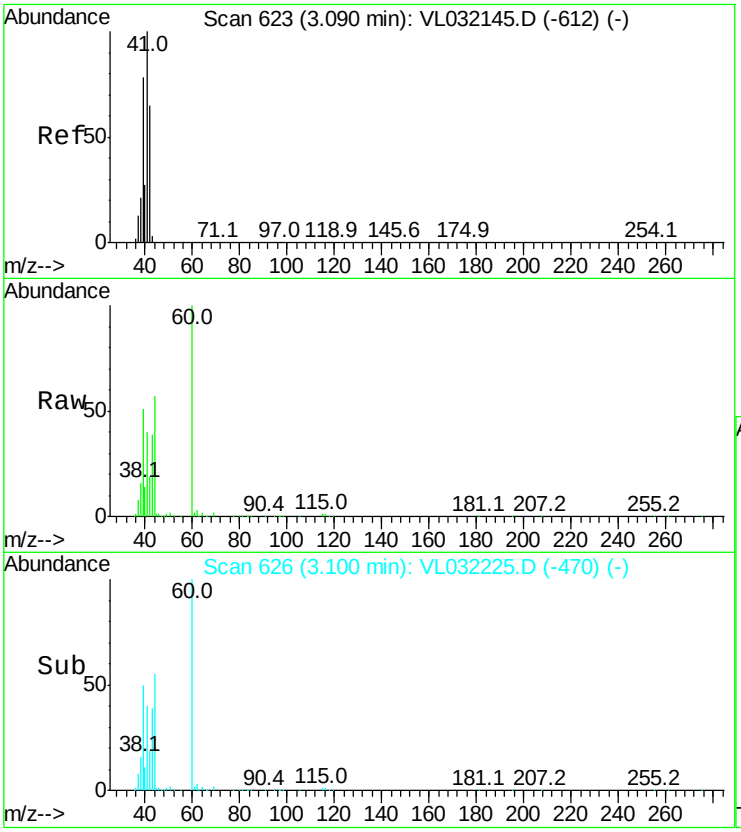


#4
Chloromethane
Concen: 0.327 ppbv
RT: 3.22 min Scan# 664
Delta R.T. -0.02 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Tgt Ion: 50 Resp: 35376

Ion	Ratio	Lower	Upper
50	100		
52	24.6	26.0	39.0#



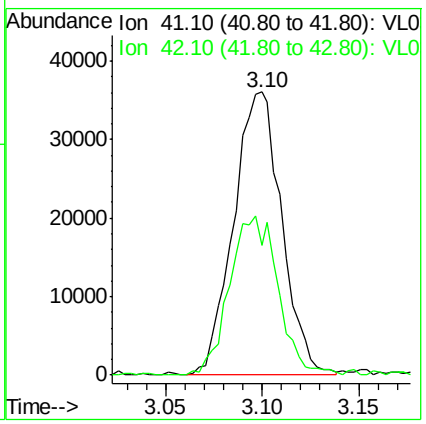


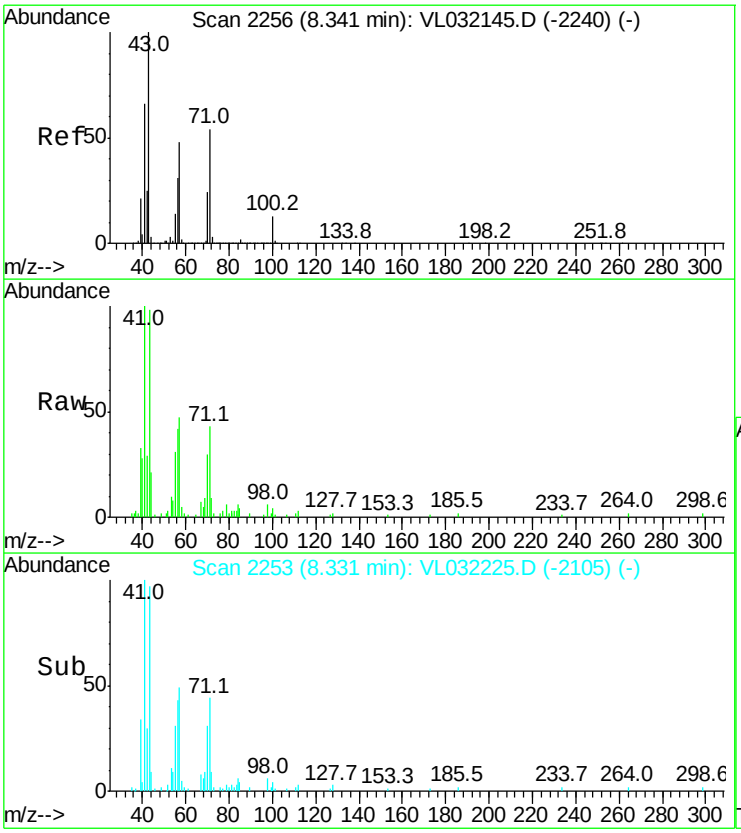
#9
Propene
Concen: 0.662 ppbv
RT: 3.10 min Scan# 626
Delta R.T. 0.00 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Instrument :
MSVOA_L
ClientSampleId :
539BDL

Tgt Ion: 41 Resp: 62593

Ion	Ratio	Lower	Upper
41	100		
42	57.6	56.2	84.4

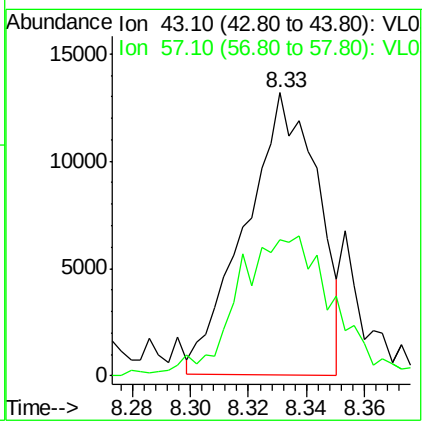


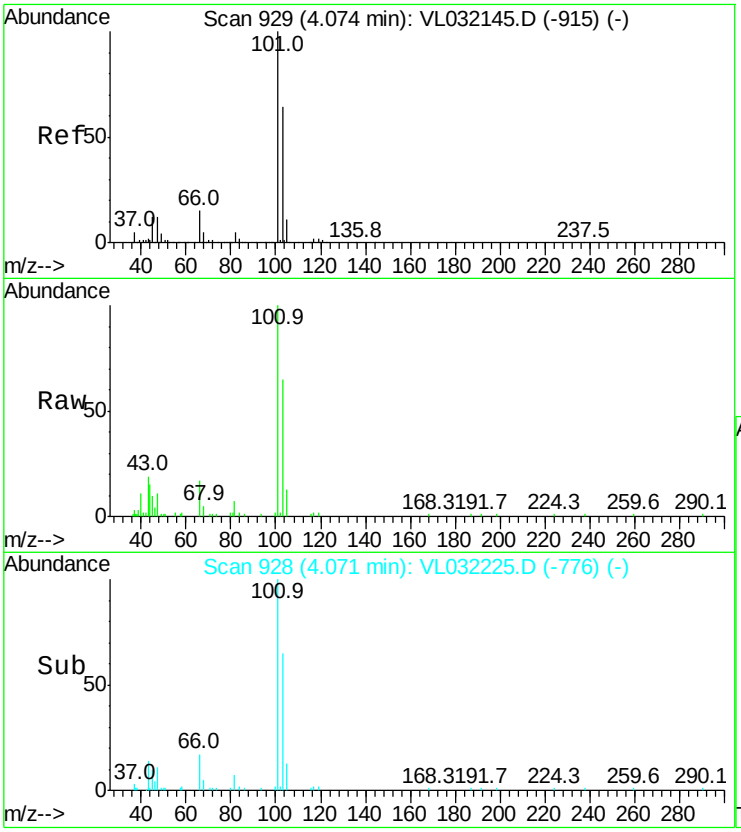


#10
Heptane
Concen: 0.082 ppbv
RT: 8.33 min Scan# 2253
Delta R.T. -0.03 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Tgt Ion: 43 Resp: 22723

Ion	Ratio	Lower	Upper
43	100		
57	66.5	39.8	59.8#



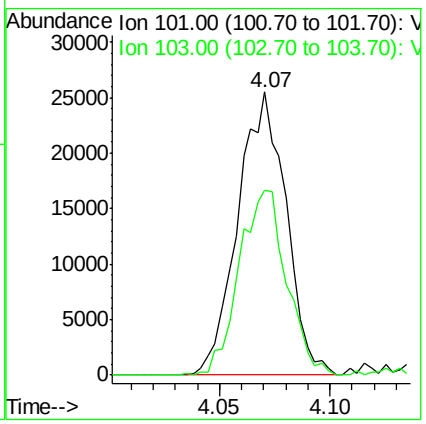


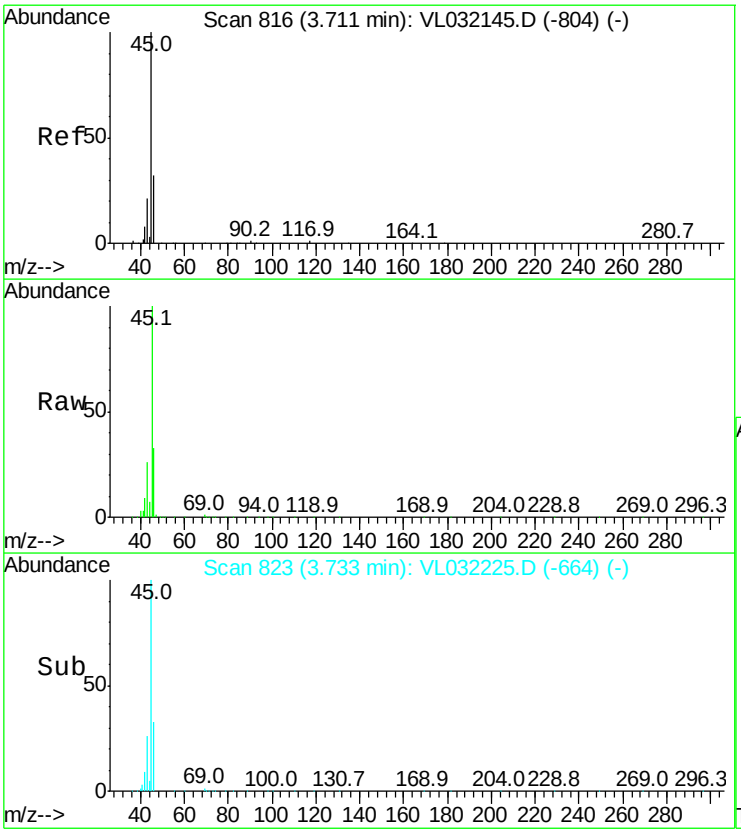
#11
Trichlorofluoromethane
Concen: 0.163 ppbv
RT: 4.07 min Scan# 928
Delta R.T. -0.01 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Instrument :
MSVOA_L
ClientSampleId :
539BDL

Tgt Ion:101 Resp: 38514

Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.4	77.0

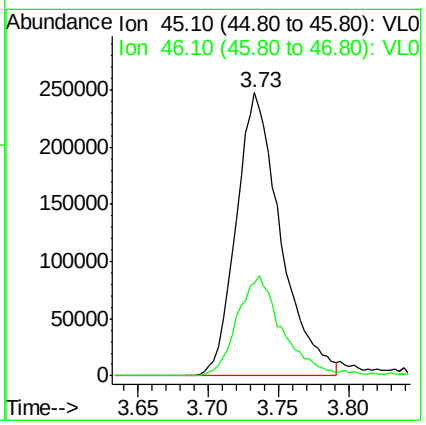


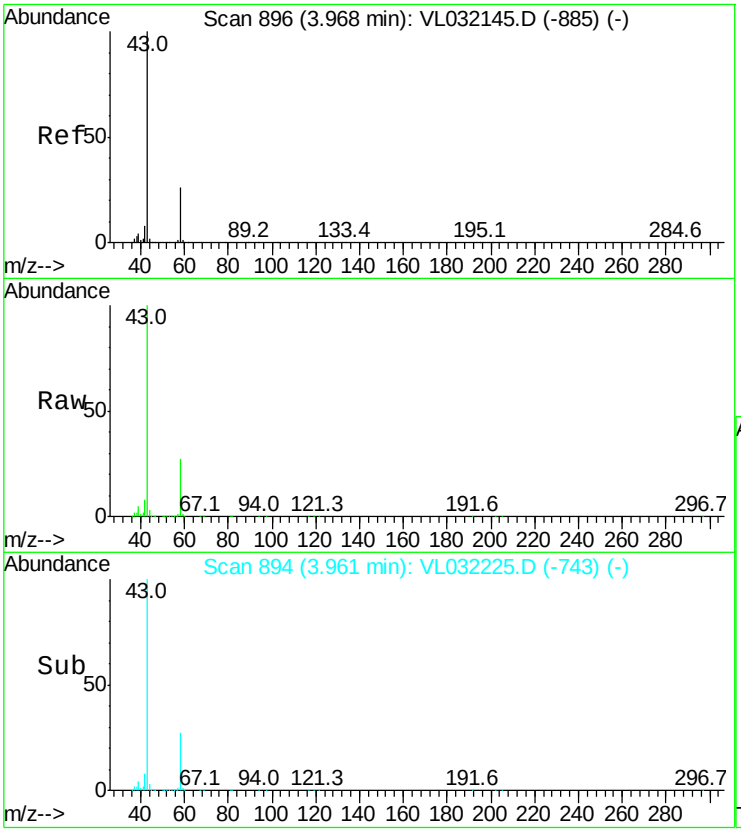


#13
Ethanol
Concen: 19.045 ppbv
RT: 3.73 min Scan# 823
Delta R.T. 0.01 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Tgt Ion: 45 Resp: 545997

Ion	Ratio	Lower	Upper
45	100		
46	37.1	14.6	58.4



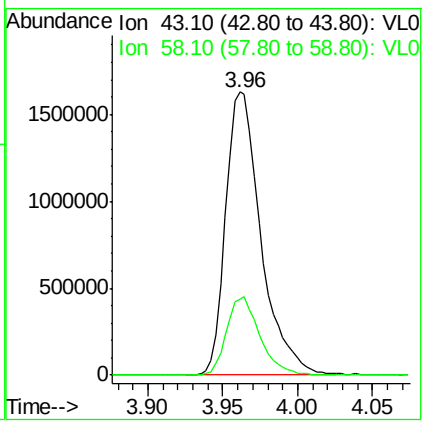


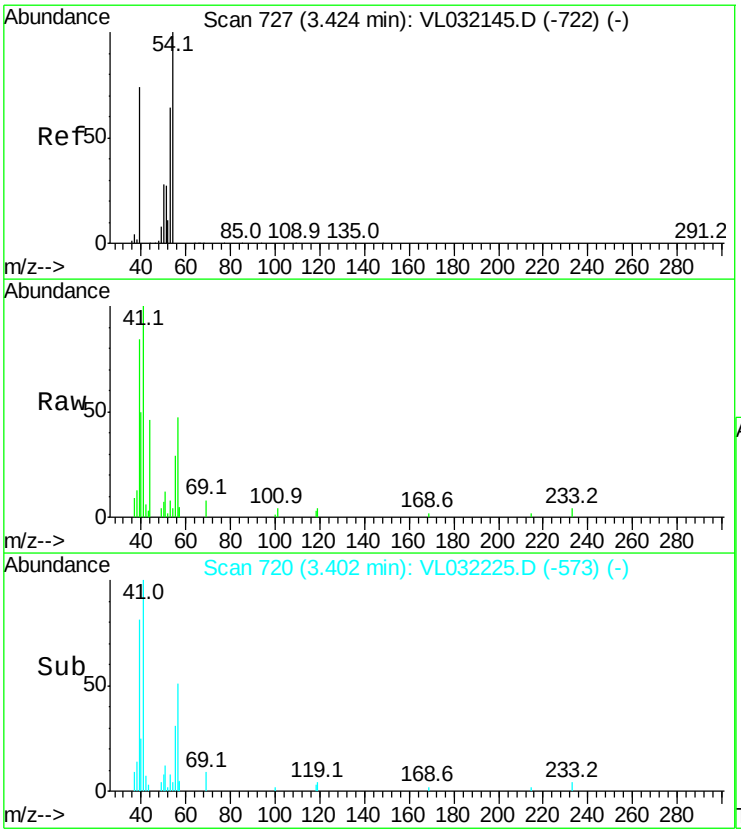
#15
Acetone
Concen: 13.732 ppbv
RT: 3.96 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Instrument :
MSVOA_L
ClientSampleId :
539BDL

Tgt Ion: 43 Resp: 2666342

Ion	Ratio	Lower	Upper
43	100		
58	26.3	21.4	32.0

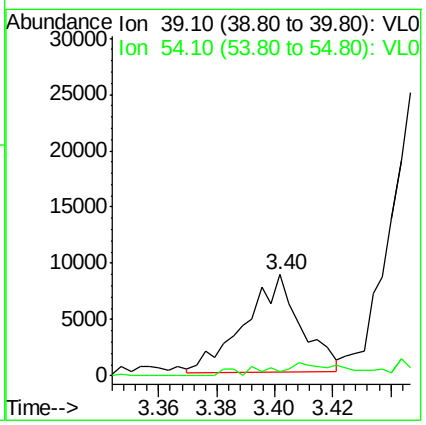


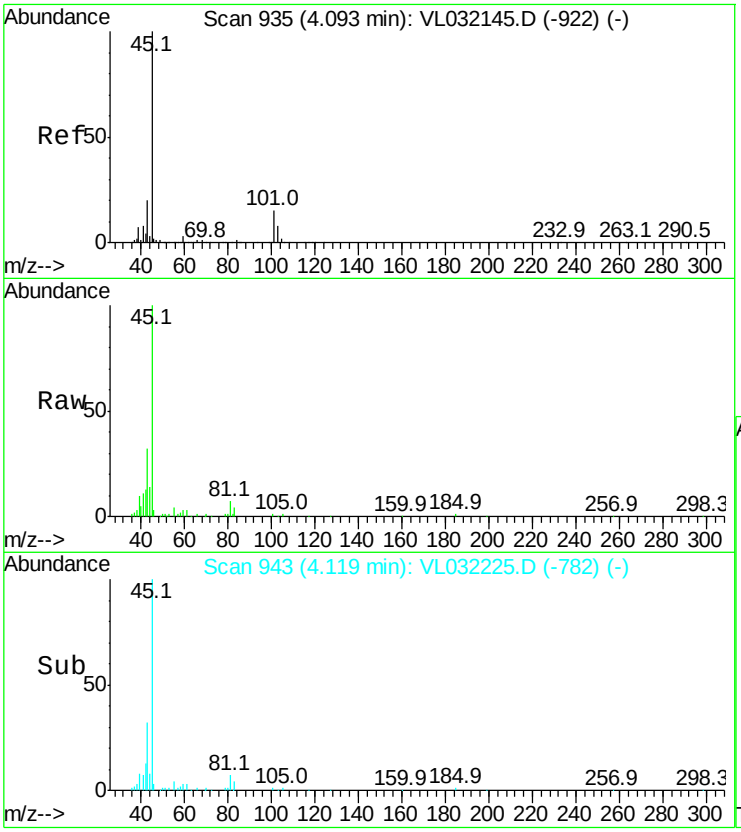


#16
1,3-Butadiene
Concen: 0.125 ppbv
RT: 3.40 min Scan# 720
Delta R.T. -0.03 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Tgt Ion: 39 Resp: 11601

Ion	Ratio	Lower	Upper
39	100		
54	6.0	75.8	113.6#



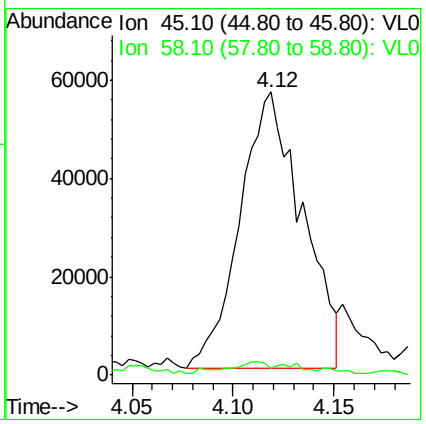


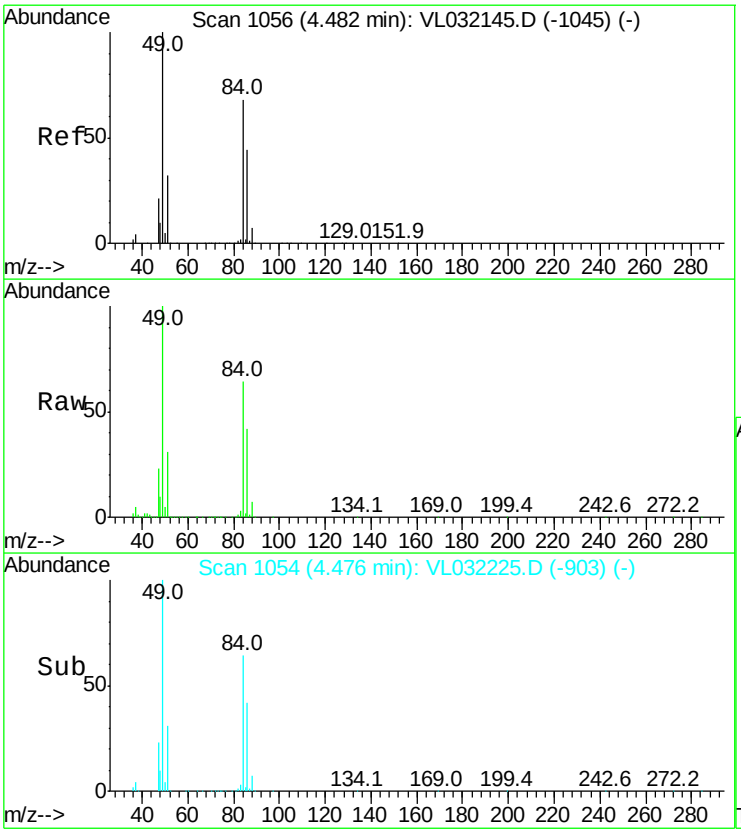
#19
Isopropyl Alcohol
Concen: 0.753 ppbv
RT: 4.12 min Scan# 943
Delta R.T. 0.02 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Instrument :
MSVOA_L
ClientSampleId :
539BDL

Tgt Ion: 45 Resp: 121417

Ion	Ratio	Lower	Upper
45	100		
58	577.1	29.4	44.0#

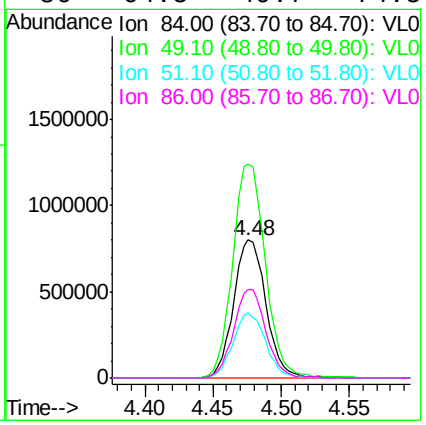


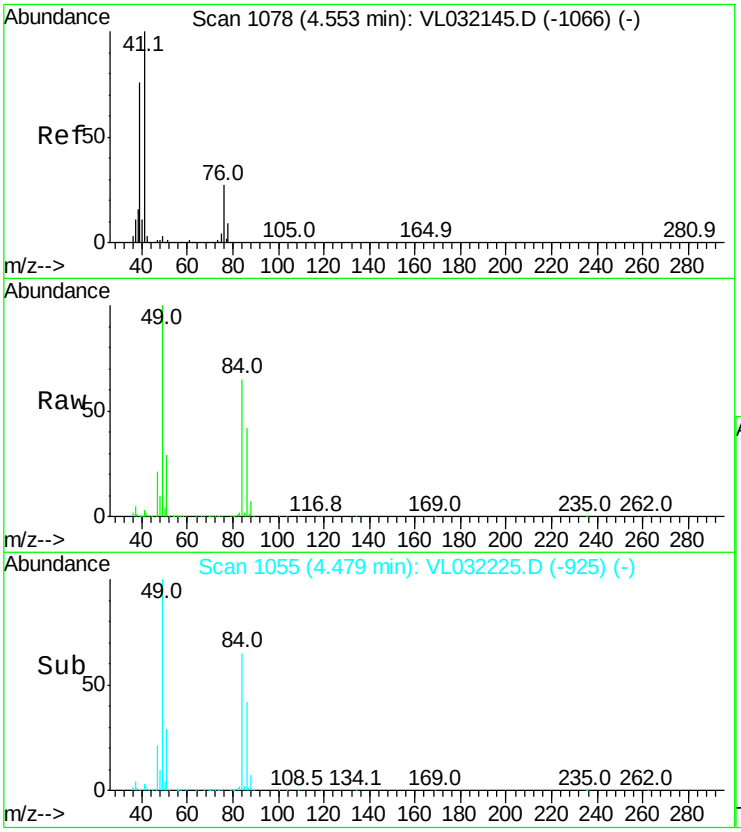


#20
Methylene Chloride
Concen: 18.668 ppbv
RT: 4.48 min Scan# 1054
Delta R.T. -0.02 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Tgt Ion: 84 Resp: 1324652

Ion	Ratio	Lower	Upper
84	100		
49	155.2	119.6	179.4
51	47.8	36.3	54.5
86	64.5	49.7	74.5



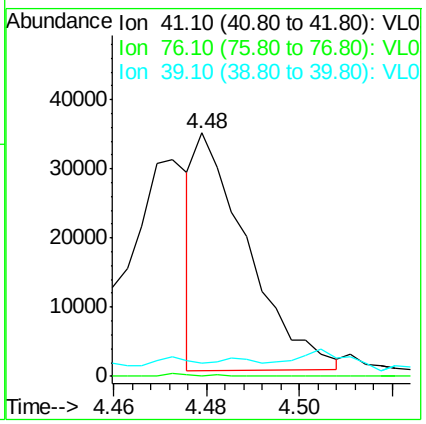


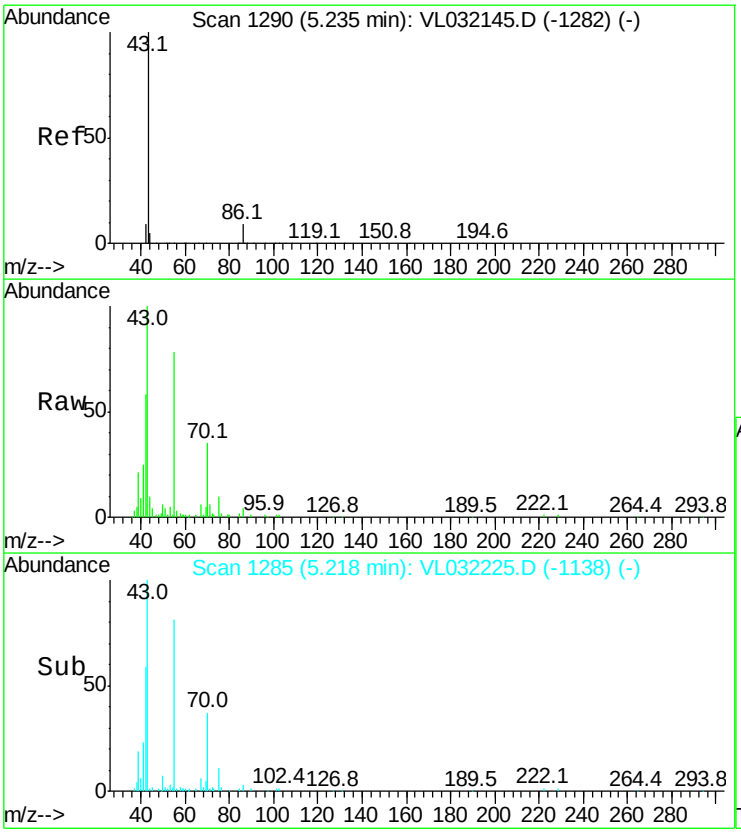
#21
Allyl Chloride
Concen: 0.201 ppbv
RT: 4.48 min Scan# 1055
Delta R.T. -0.08 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Instrument :
MSVOA_L
ClientSampleId :
539BDL

Tgt Ion: 41 Resp: 26680

Ion	Ratio	Lower	Upper
41	100		
76	0.0	22.5	33.7#
39	14.2	60.5	90.7#

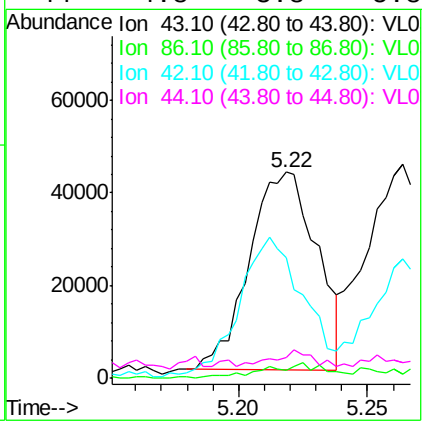


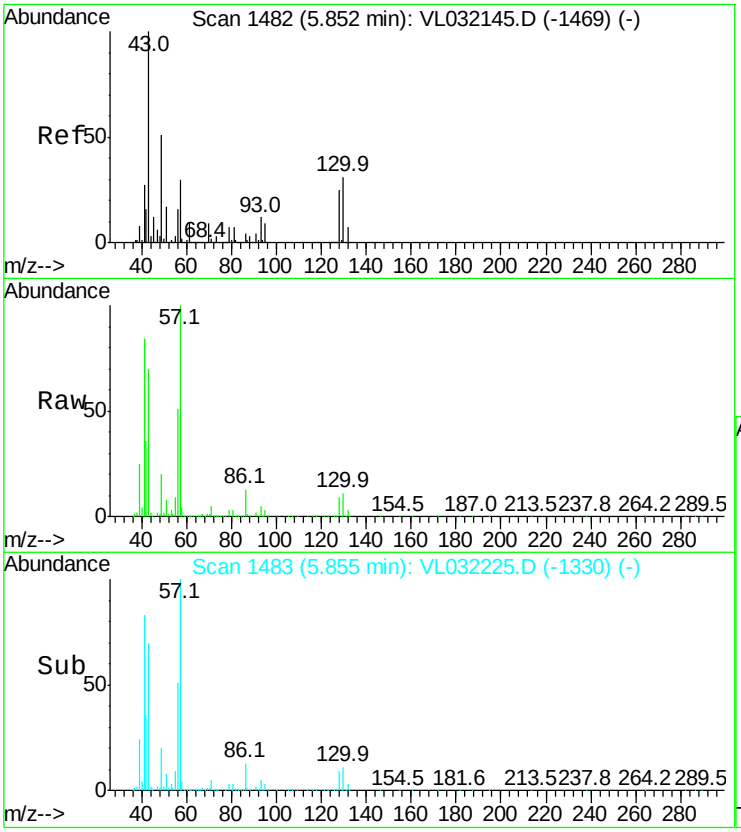


#23
Vinyl Acetate
Concen: 0.221 ppbv
RT: 5.22 min Scan# 1285
Delta R.T. -0.03 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Tgt Ion: 43 Resp: 77796

Ion	Ratio	Lower	Upper
43	100		
86	3.8	6.2	9.4#
42	58.6	6.9	10.3#
44	4.8	3.8	5.8



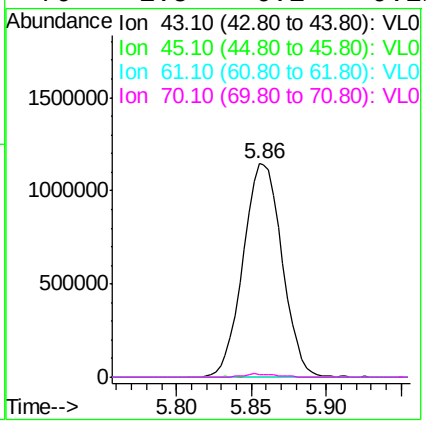


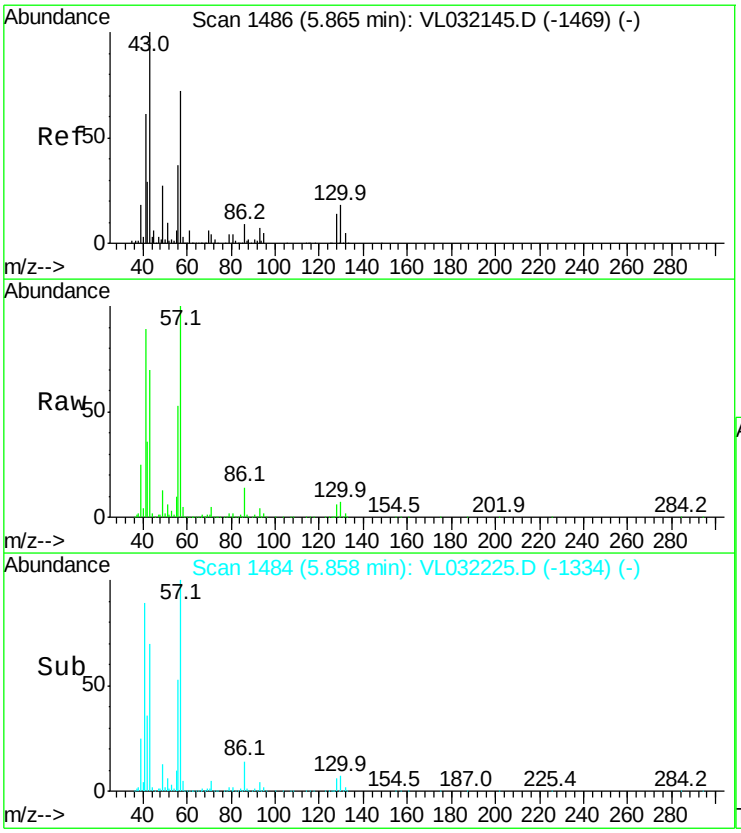
#25
Ethyl Acetate
Concen: 5.172 ppbv
RT: 5.86 min Scan# 1483
Delta R.T. -0.01 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Instrument :
MSVOA_L
ClientSampleId :
539BDL

Tgt Ion: 43 Resp: 2077778

Ion	Ratio	Lower	Upper
43	100		
45	0.4	7.8	11.8#
61	0.3	7.4	11.0#
70	1.5	6.1	9.1#

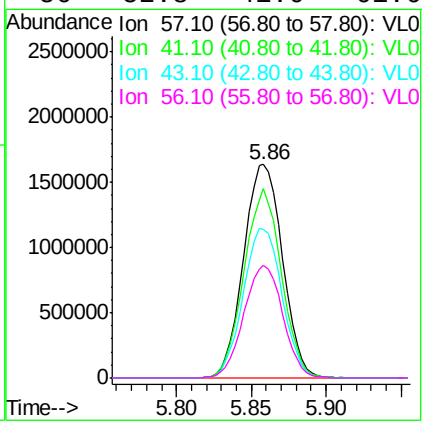


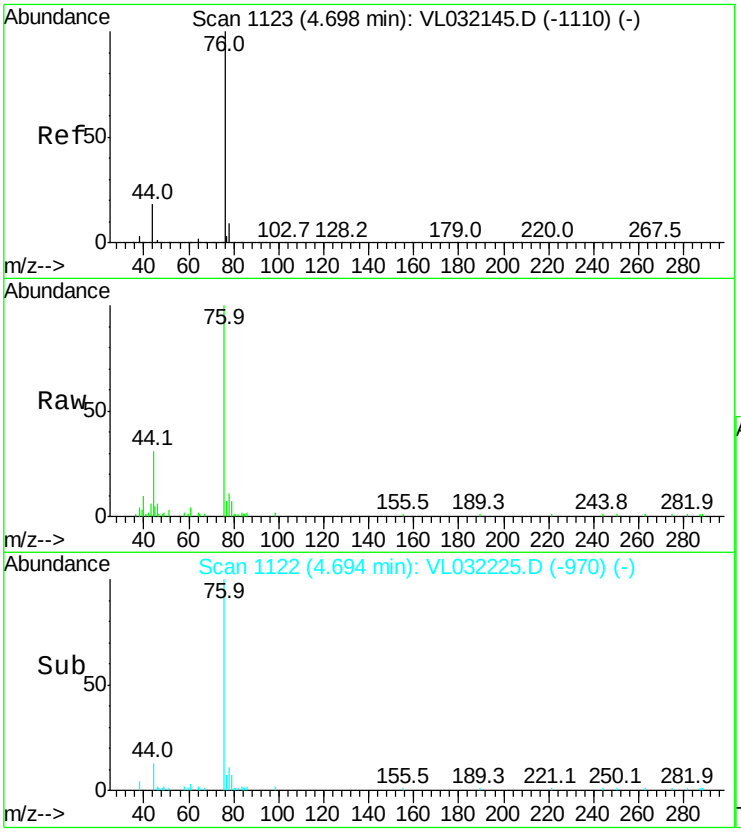


#26
Hexane
Concen: 16.085 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. -0.02 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Tgt Ion: 57 Resp: 2975825

Ion	Ratio	Lower	Upper
57	100		
41	85.2	68.6	103.0
43	69.9	168.6	252.8#
56	52.8	41.0	61.6



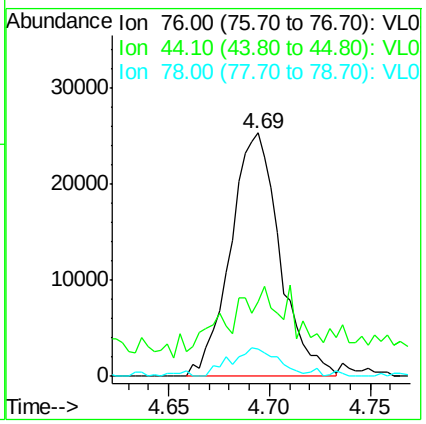


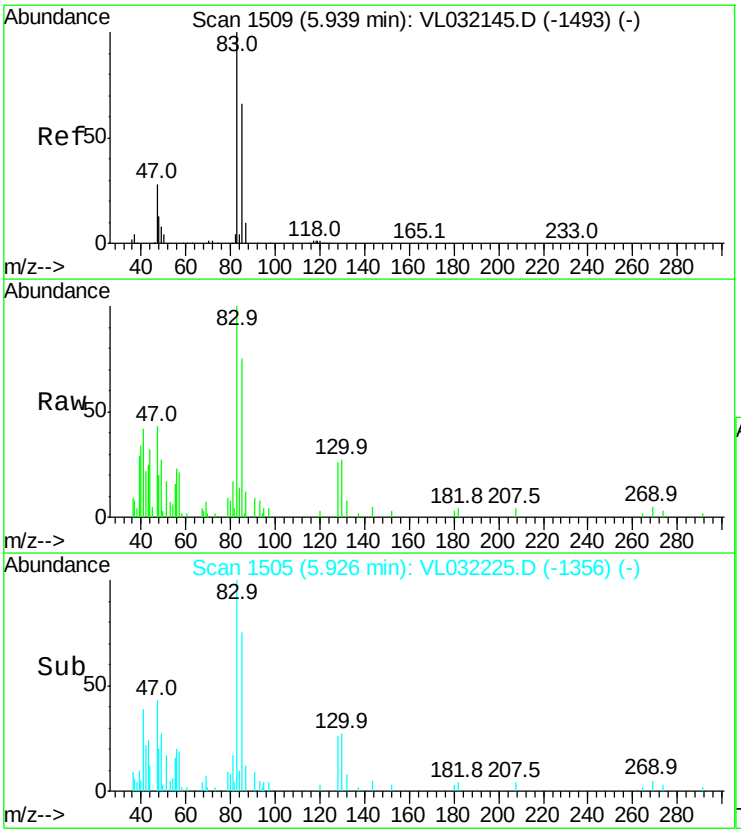
#27
Carbon Disulfide
Concen: 0.235 ppbv
RT: 4.69 min Scan# 1122
Delta R.T. -0.01 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Instrument :
MSVOA_L
ClientSampleId :
539BDL

Tgt Ion: 76 Resp: 43266

Ion	Ratio	Lower	Upper
76	100		
44	45.7	15.1	22.7#
78	12.9	7.2	10.8#

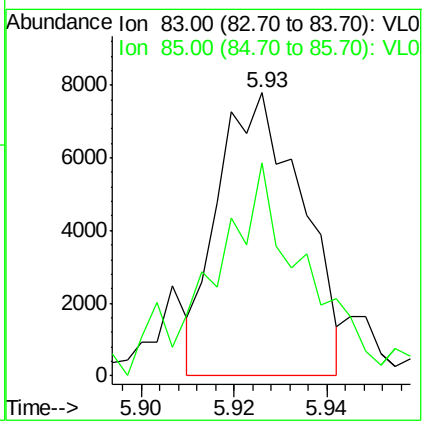


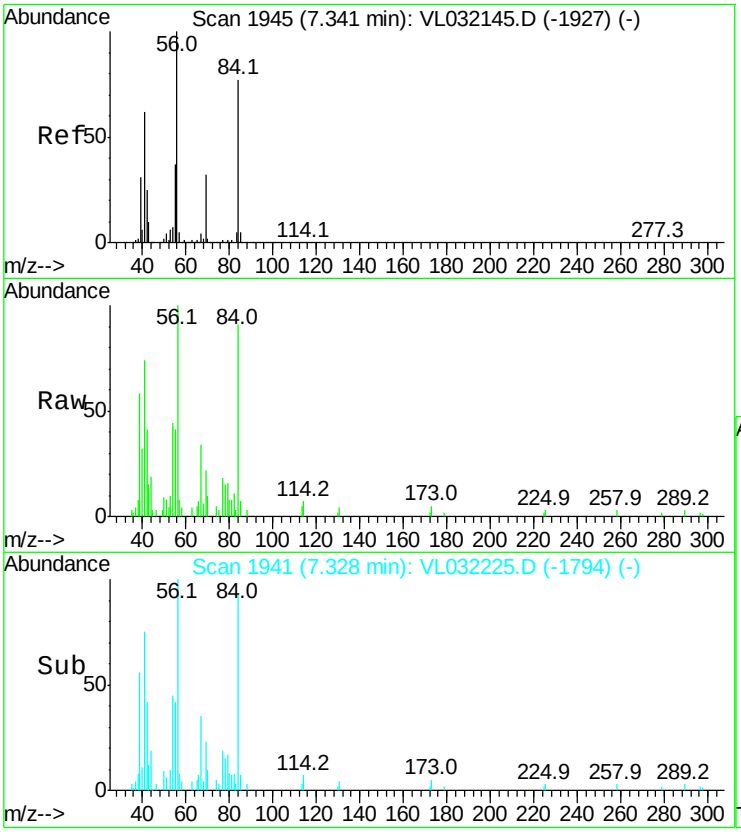


#29
Chloroform
Concen: 0.036 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. -0.02 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Tgt Ion: 83 Resp: 9739

Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.6	77.4



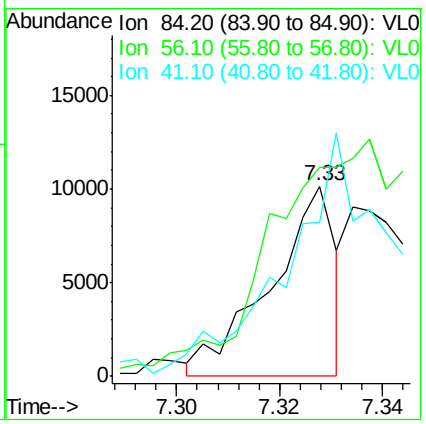


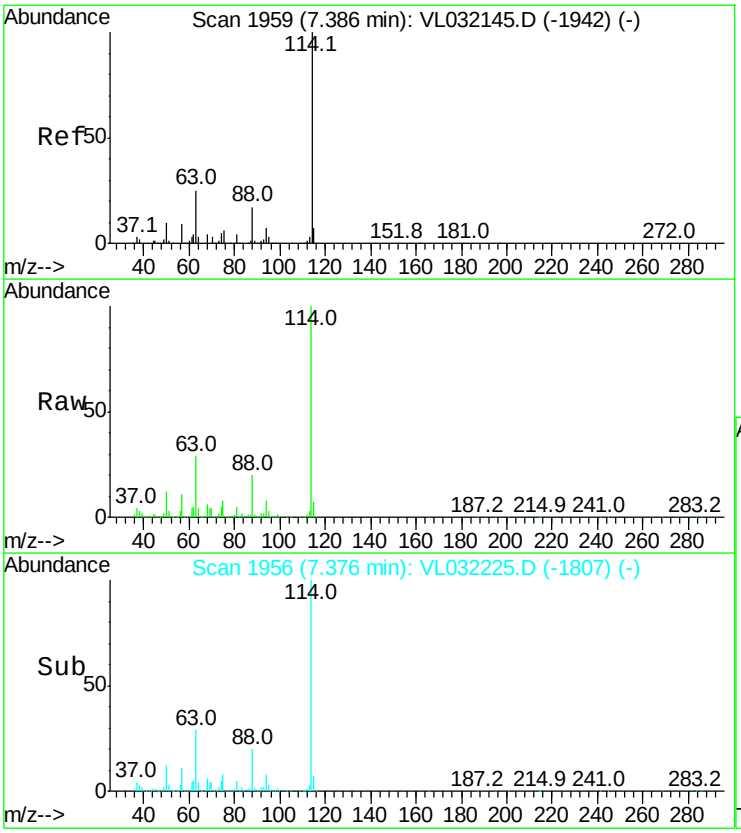
#30
Cyclohexane
Concen: 0.051 ppbv
RT: 7.33 min Scan# 1941
Delta R.T. -0.03 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Instrument :
MSVOA_L
ClientSampleId :
539BDL

Tgt Ion: 84 Resp: 8840

Ion	Ratio	Lower	Upper
84	100		
56	0.0	109.1	163.7#
41	0.0	64.6	96.8#

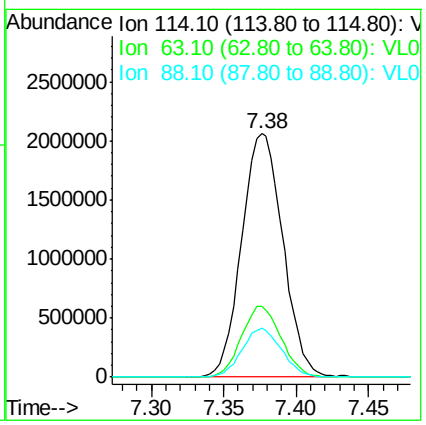


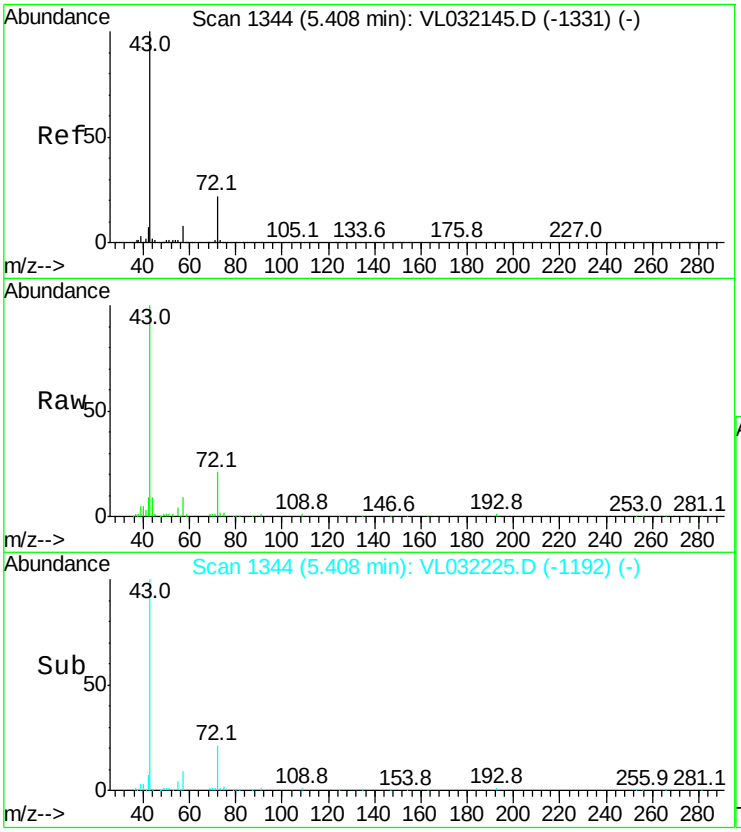


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.38 min Scan# 1956
Delta R.T. -0.02 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Tgt Ion:114 Resp: 4076300

Ion	Ratio	Lower	Upper
114	100		
63	28.2	19.1	28.7
88	19.3	13.9	20.9



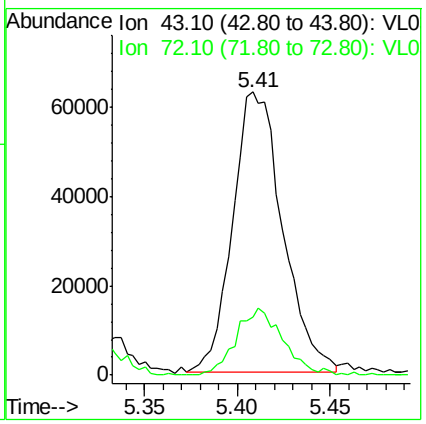


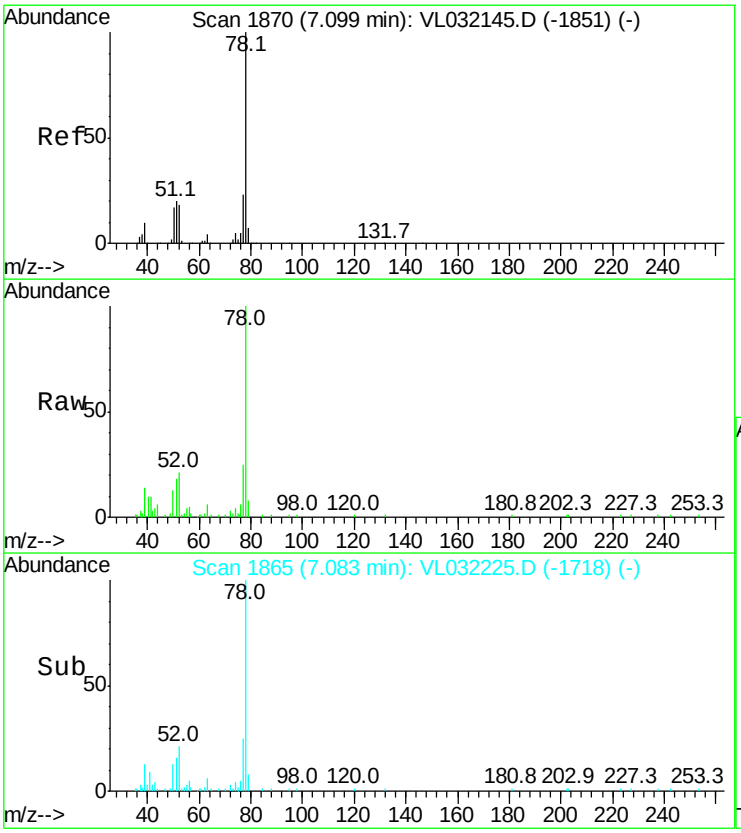
#34
2-Butanone
Concen: 0.452 ppbv
RT: 5.41 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Instrument : MSVOA_L
ClientSampleId : 539BDL

Tgt Ion: 43 Resp: 116968

Ion	Ratio	Lower	Upper
43	100		
72	22.8	18.4	27.6

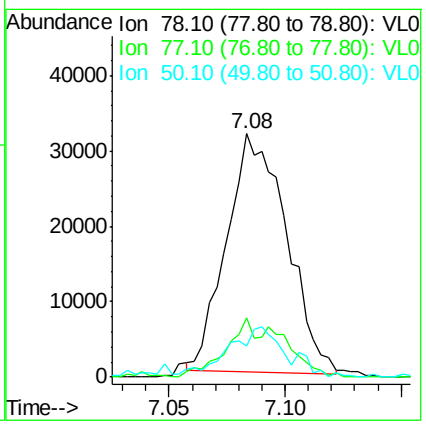


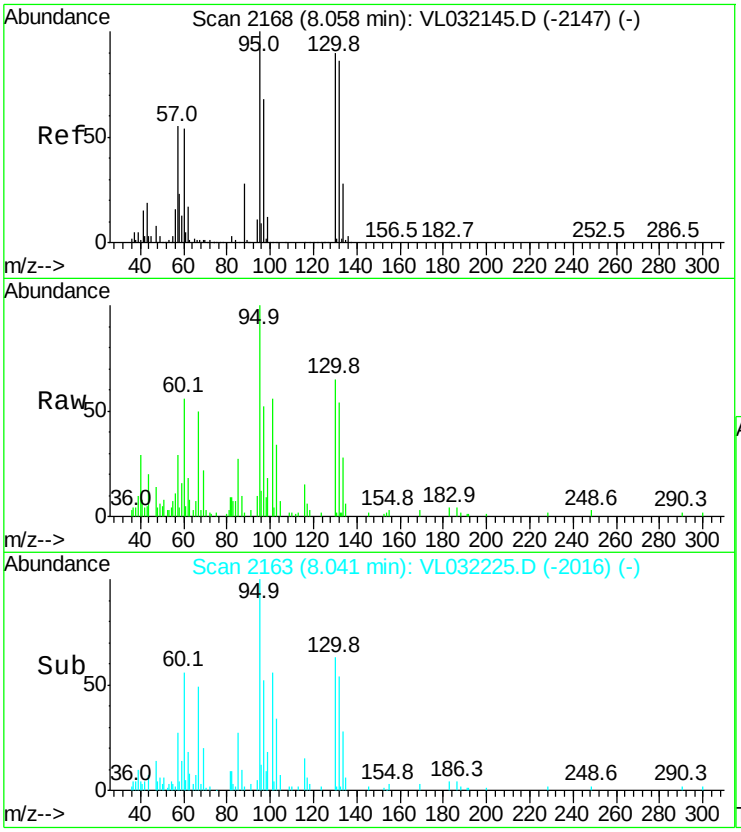


#36
Benzene
Concen: 0.144 ppbv
RT: 7.08 min Scan# 1865
Delta R.T. -0.03 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Tgt Ion: 78 Resp: 56616

Ion	Ratio	Lower	Upper
78	100		
77	21.1	17.7	26.5
50	11.6	14.0	21.0#



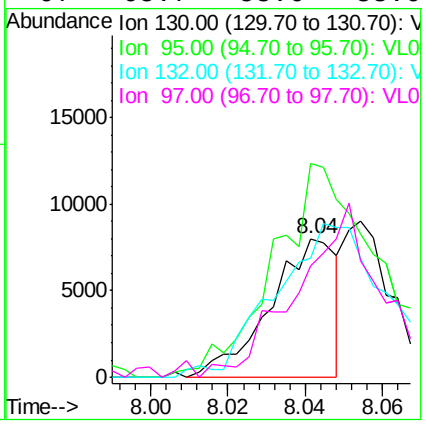


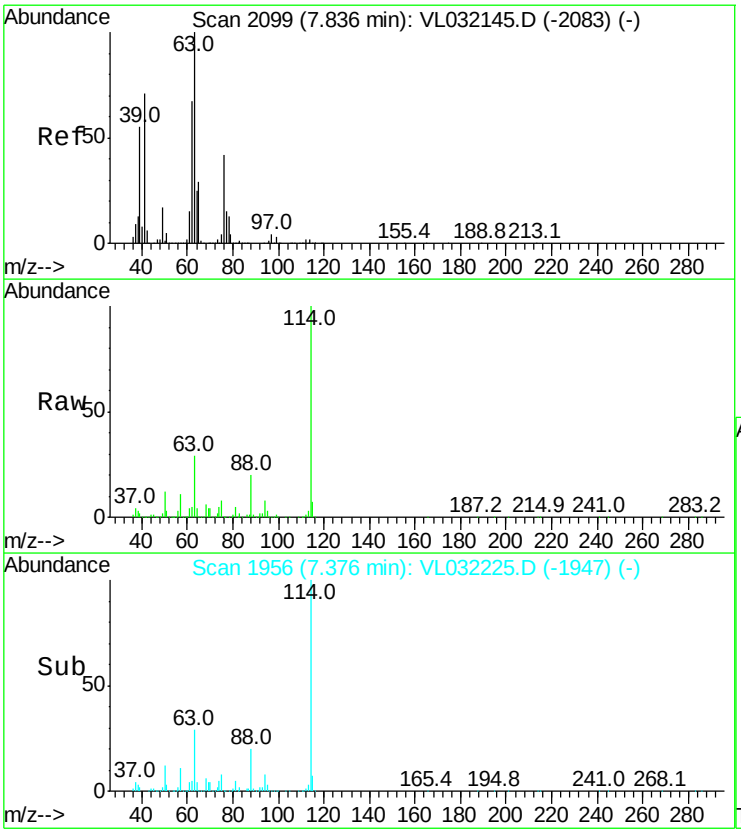
#38
Trichloroethene
Concen: 0.062 ppbv
RT: 8.04 min Scan# 2163
Delta R.T. -0.03 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Instrument :
MSVOA_L
ClientSampleId :
539BDL

Tgt Ion:130 Resp: 9535

Ion	Ratio	Lower	Upper
130	100		
95	138.0	88.1	132.1#
132	77.1	74.6	112.0
97	65.7	58.6	88.0

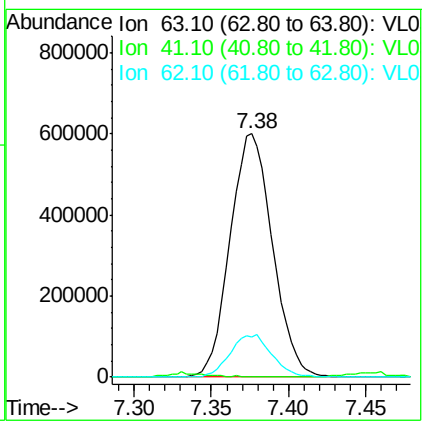


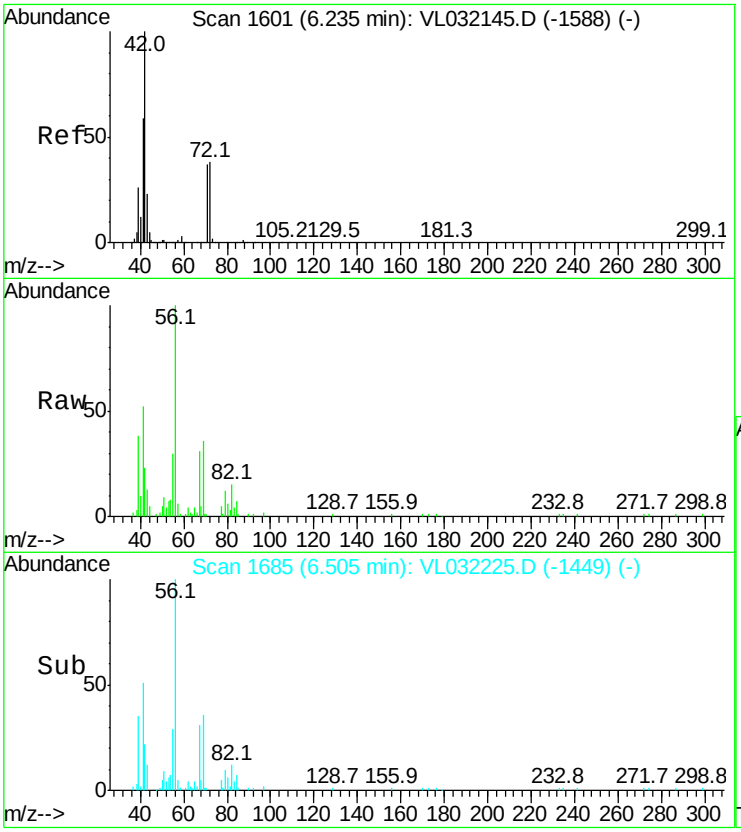


#39
1,2-Dichloropropane
Concen: 7.305 ppbv
RT: 7.38 min Scan# 1956
Delta R.T. -0.47 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Tgt Ion: 63 Resp: 1136681

Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.3	79.9#
62	16.2	54.8	82.2#



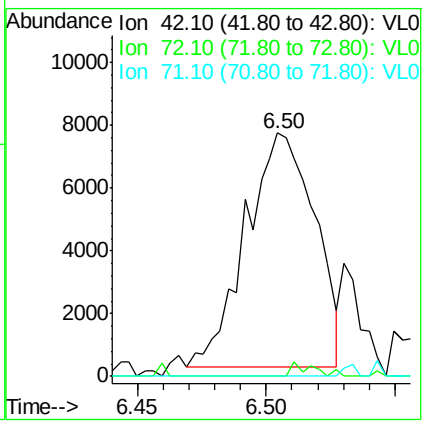


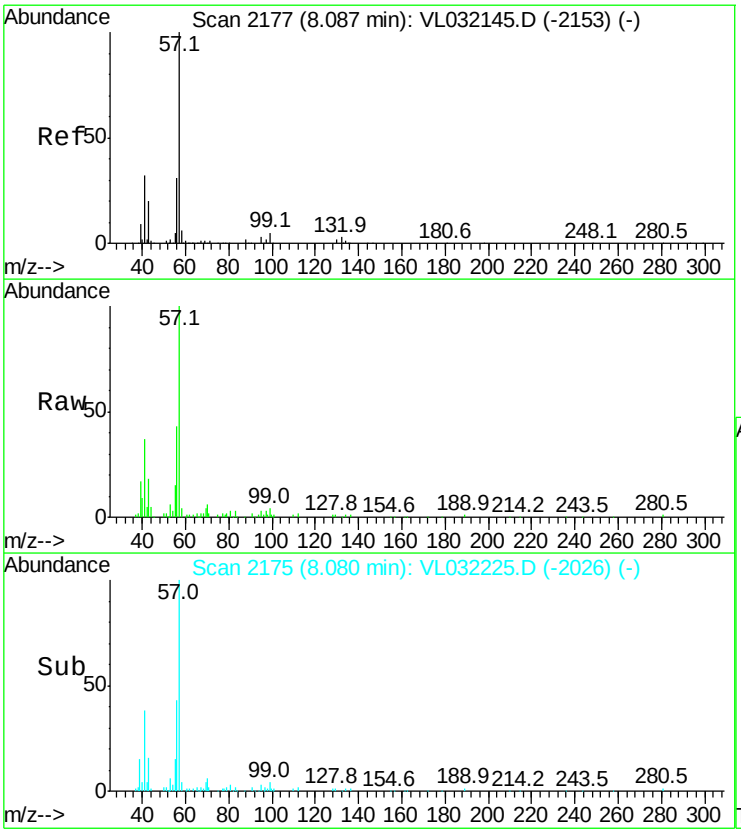
#41
Tetrahydrofuran
Concen: 0.090 ppbv
RT: 6.50 min Scan# 1685
Delta R.T. 0.26 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Instrument : MSVOA_L
ClientSampleId : 539BDL

Tgt Ion: 42 Resp: 14003

Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.1	46.7#
71	0.0	29.5	44.3#

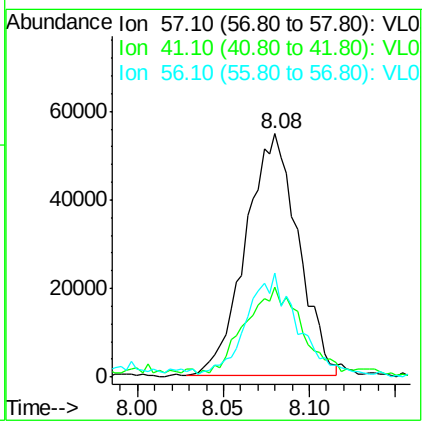


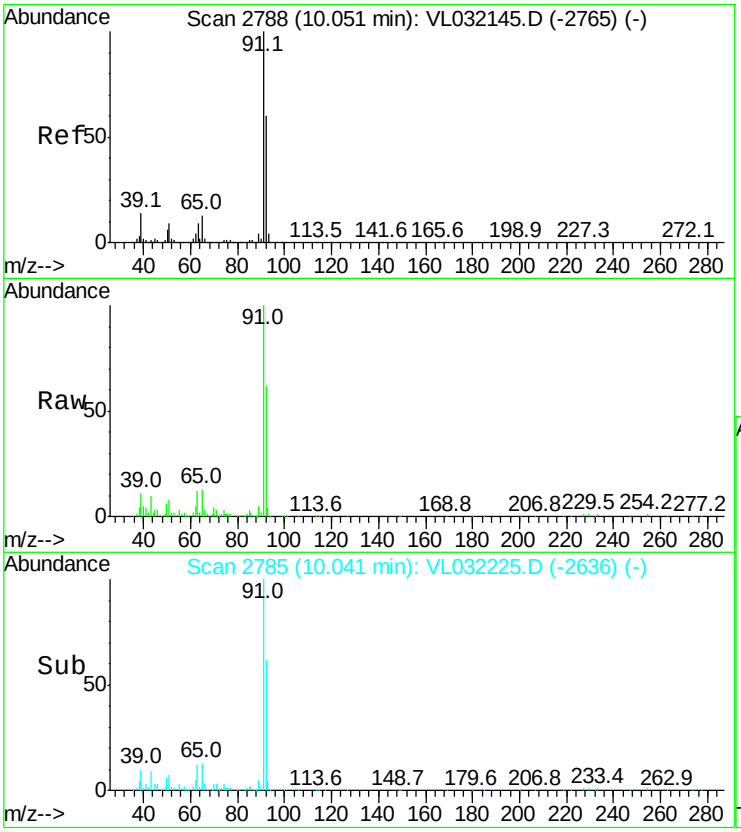


#44
2,2,4-Trimethylpentane
Concen: 0.167 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. -0.02 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Tgt Ion: 57 Resp: 115363

Ion	Ratio	Lower	Upper
57	100		
41	42.0	24.3	36.5#
56	45.1	25.1	37.7#



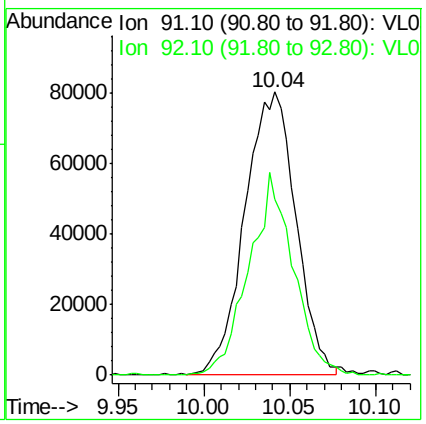


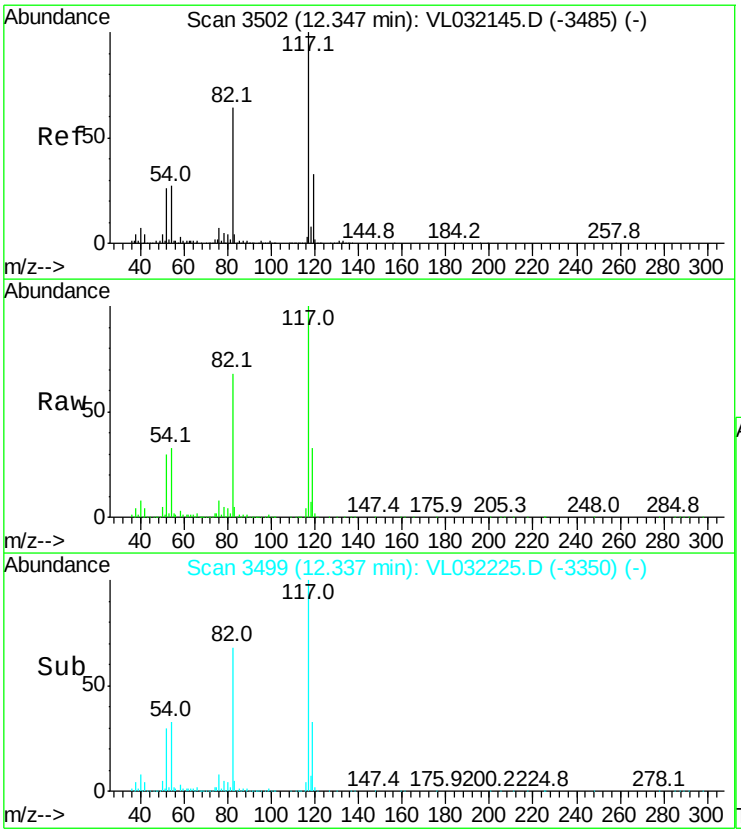
#53
Toluene
Concen: 0.347 ppbv
RT: 10.04 min Scan# 2785
Delta R.T. -0.02 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Instrument :
MSVOA_L
ClientSampleId :
539BDL

Tgt Ion: 91 Resp: 165297

Ion	Ratio	Lower	Upper
91	100		
92	62.3	49.2	73.8

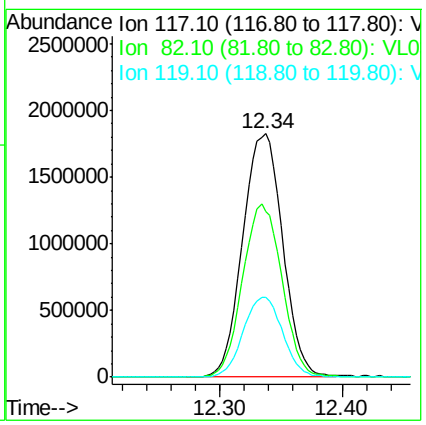


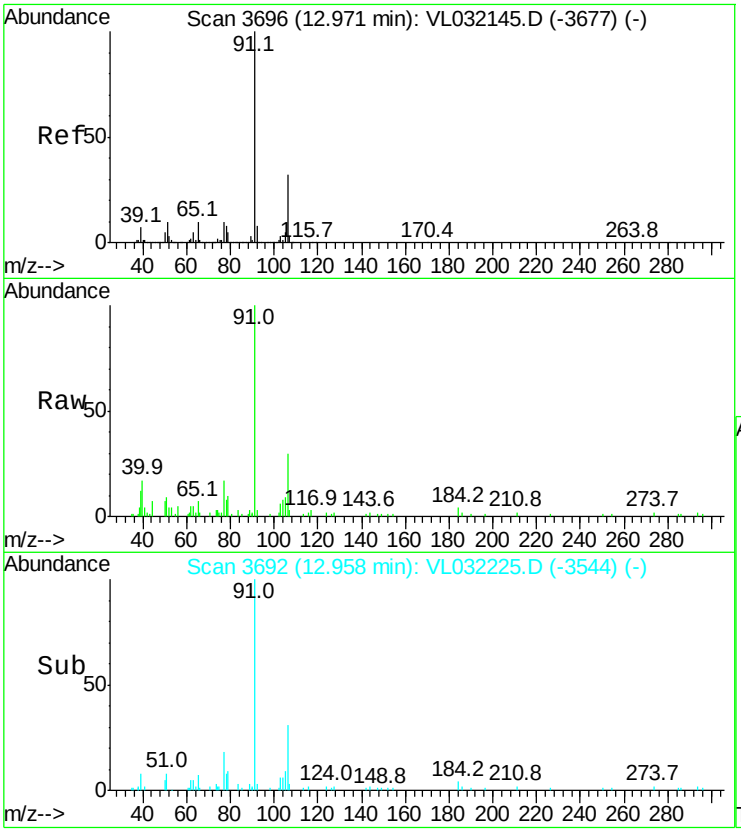


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.34 min Scan# 3499
Delta R.T. -0.02 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Tgt Ion:117 Resp: 4136780

Ion	Ratio	Lower	Upper
117	100		
82	70.4	47.8	71.8
119	32.5	43.3	64.9#



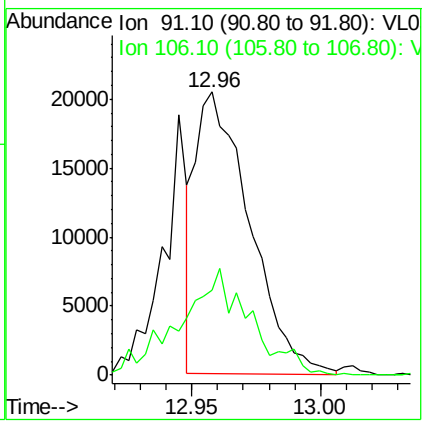


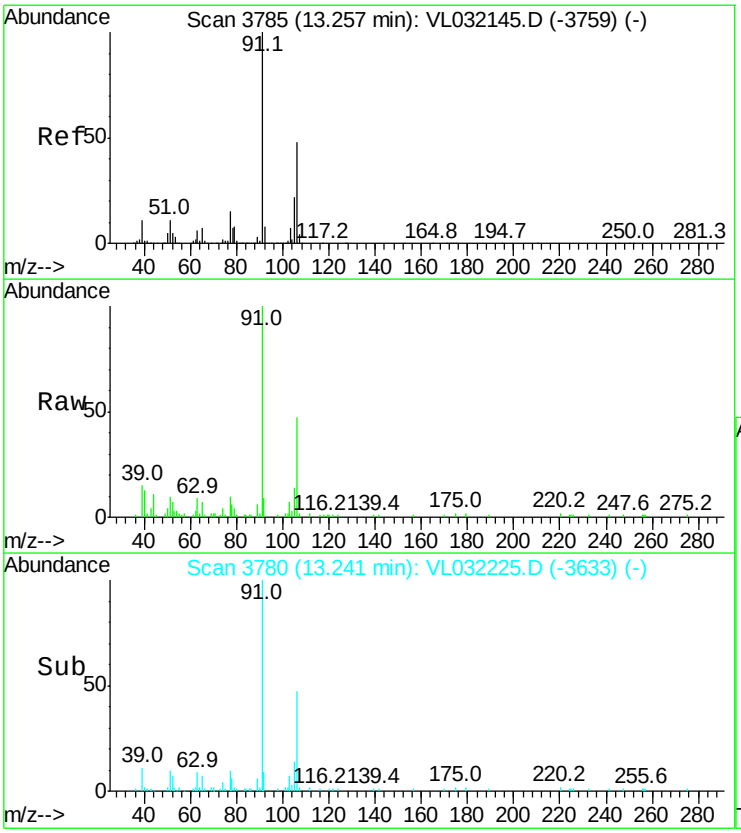
#58
Ethyl Benzene
Concen: 0.044 ppbv
RT: 12.96 min Scan# 3692
Delta R.T. -0.03 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Instrument : MSVOA_L
ClientSampleId : 539BDL

Tgt Ion: 91 Resp: 29625

Ion	Ratio	Lower	Upper
91	100		
106	30.4	26.5	39.7

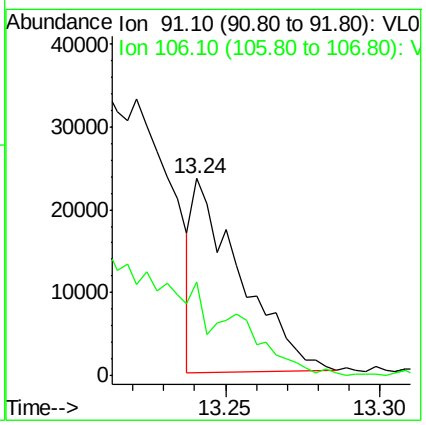


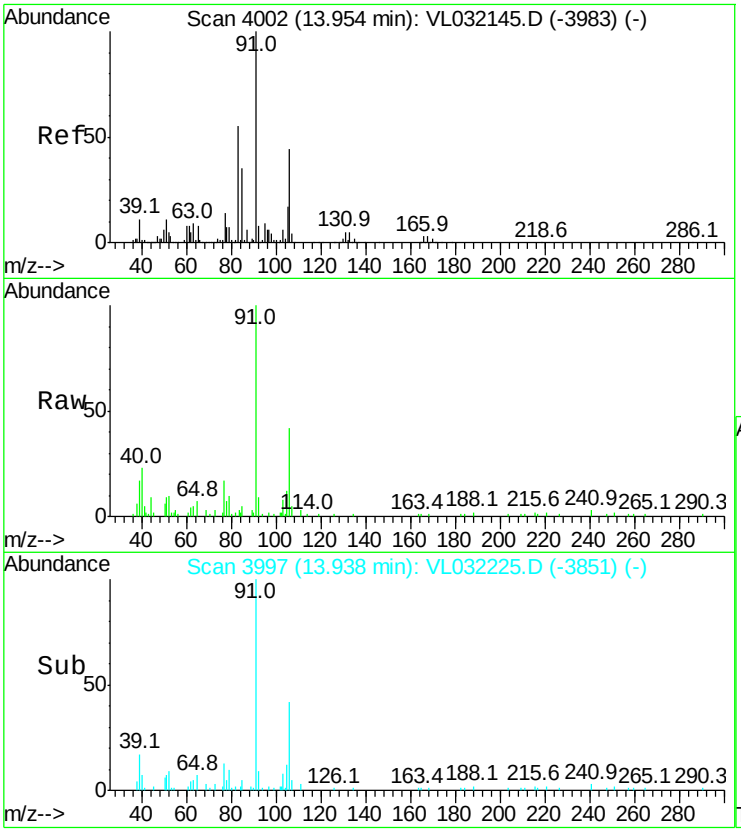


#59
m/p-Xylene
Concen: 0.047 ppbv
RT: 13.24 min Scan# 3780
Delta R.T. -0.03 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Tgt Ion: 91 Resp: 25011

Ion	Ratio	Lower	Upper
91	100		
106	0.0	38.6	58.0#



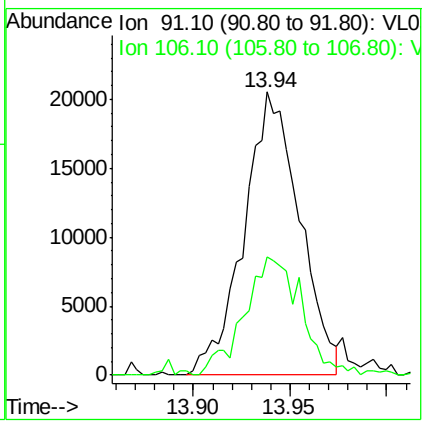


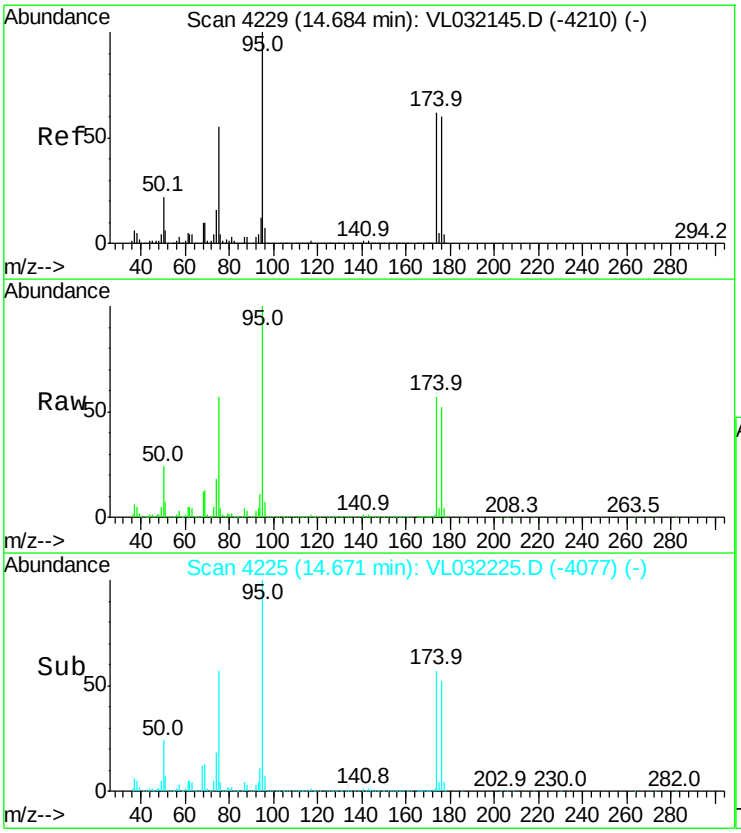
#60
o-Xylene
Concen: 0.077 ppbv
RT: 13.94 min Scan# 3997
Delta R.T. -0.03 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Instrument : MSVOA_L
ClientSampleId : 539BDL

Tgt Ion: 91 Resp: 41075

Ion	Ratio	Lower	Upper
91	100		
106	44.4	23.3	69.8

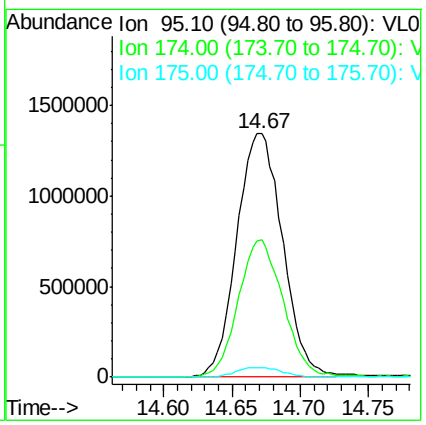


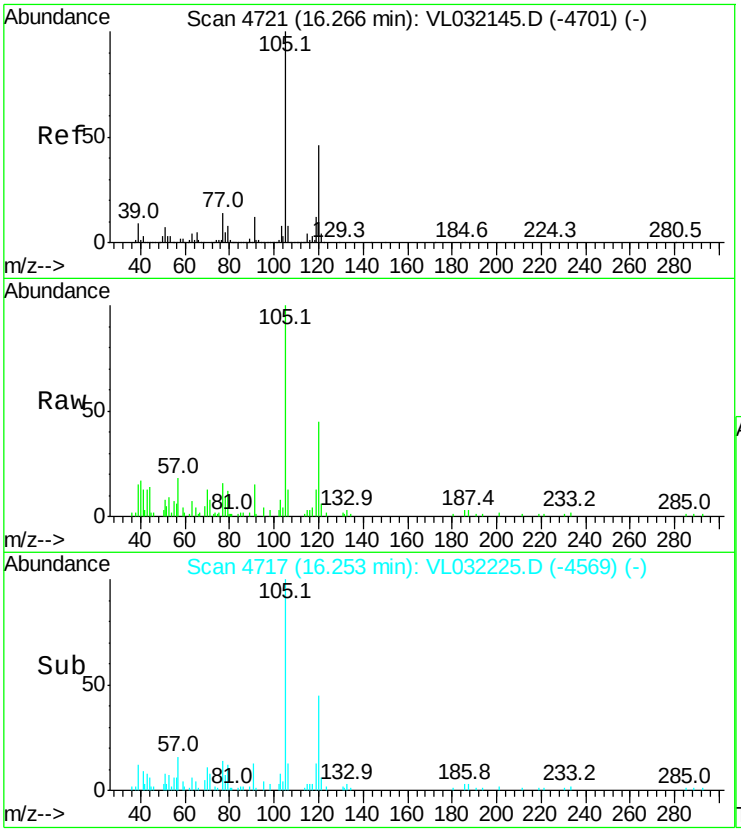


#68
1-Bromo-4-Fluorobenzene
Concen: 9.868 ppbv
RT: 14.67 min Scan# 4225
Delta R.T. -0.03 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Tgt Ion: 95 Resp: 3120469

Ion	Ratio	Lower	Upper
95	100		
174	55.4	52.1	78.1
175	4.0	4.0	6.0#



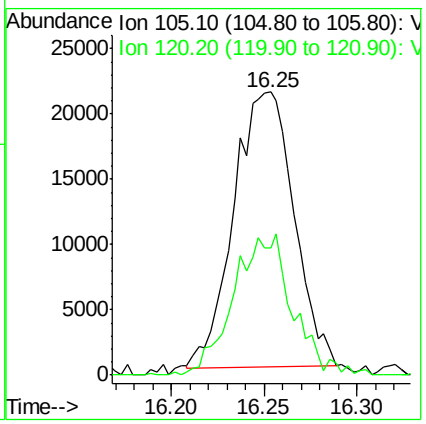


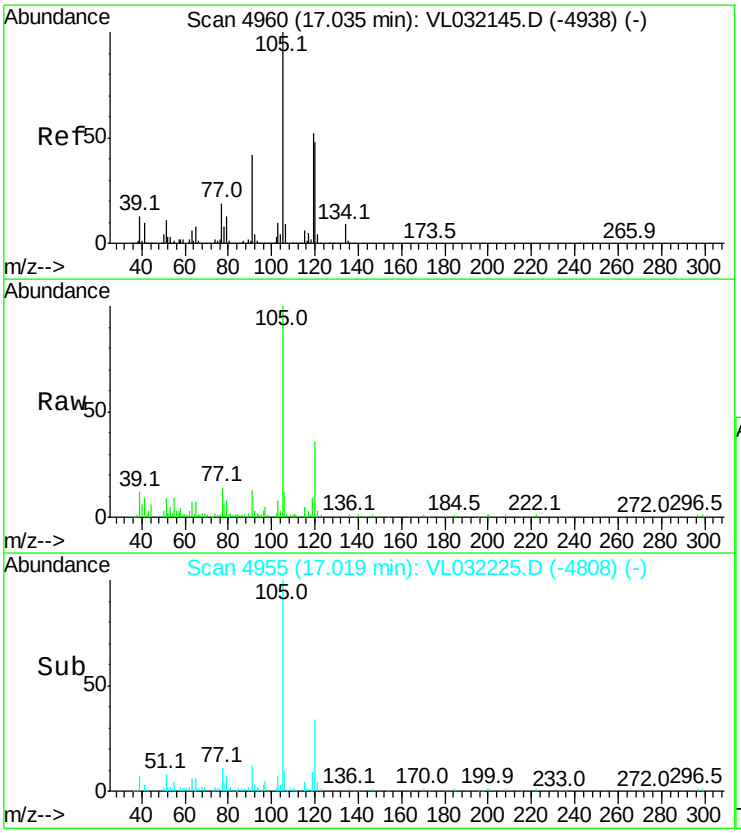
#73
1,3,5-Trimethylbenzene
Concen: 0.074 ppbv
RT: 16.25 min Scan# 4717
Delta R.T. -0.03 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Instrument :
MSVOA_L
ClientSampleId :
539BDL

Tgt Ion:105 Resp: 47694

Ion	Ratio	Lower	Upper
105	100		
120	45.3	38.6	57.8





#74
1,2,4-Trimethylbenzene
Concen: 0.169 ppbv
RT: 17.02 min Scan# 4955
Delta R.T. -0.03 min
Lab File: VL032225.D
Acq: 6 Jul 2018 8:55

Tgt Ion:105 Resp: 110431

Ion	Ratio	Lower	Upper
105	100		
120	34.9	38.8	58.2#
91	12.8	33.6	50.4#
77	12.7	16.0	24.0#