Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121718\
Data File : VL033016.D
Acq On : 18 Dec 2018 4:27
Operator : SY/AP
Sample : J6444-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 18 09:18:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1121070	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	2715688	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	2034499	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2183392	14.53	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 145.30%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	83138	0.556	ppbv		94
3) Chlorodifluoromethane	3.02	51	79261	0.934	ppbv	#	87
4) Chloromethane	3.17	50	32347	0.654	ppbv		96
9) Propene	3.25	41	306954	9.143	ppbv		93
10) Heptane	8.25	43	29384	0.233	ppbv		99
11) Trichlorofluoromethane	4.01	101	41833	0.297	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	7088	0.059	ppbv		87
13) Ethanol	3.66	45	548059	47.414	ppbv		96
15) Acetone	3.91	43	1002085	10.414	ppbv		97
16) 1,3-Butadiene	3.35	39	35799	0.938	ppbv	#	38
19) Isopropyl Alcohol	4.04	45	156214	2.585	ppbv	#	1
20) Methylene Chloride	4.42	84	199618	4.245	ppbv		96
21) Allyl Chloride	4.44	41	2688	0.034	ppbv	#	1
23) Vinyl Acetate	5.15	43	47008	0.289	ppbv	#	8
25) Ethyl Acetate	5.78	43	180894	0.796	ppbv	#	85
26) Hexane	5.79	57	213833	2.038	ppbv	#	50
27) Carbon Disulfide	4.63	76	19450	0.148	ppbv	#	17
34) 2-Butanone	5.34	43	55221	0.467	ppbv		98
35) Carbon Tetrachloride	7.14	117	8595	0.040	ppbv	#	80
36) Benzene	7.01	78	167696	0.840	ppbv		95
39) 1,2-Dichloropropane	7.30	63	653033	8.621	ppbv	#	21
43) Methyl Methacrylate	8.15	69	4554	0.062	ppbv	#	1
44) 2,2,4-Trimethylpentane	8.00	57	69944	0.206	ppbv	#	40
52) Tetrachloroethene	11.39	164	3405	0.047	ppbv		89
53) Toluene	9.96	91	19312667	91.165	ppbv		87
58) Ethyl Benzene	12.87	91	61259	0.282	ppbv		89
59) m/p-Xylene	13.15	91	84477	0.429	ppbv	#	100
60) o-Xylene	13.86	91	67730	0.341	ppbv		98
64) n-propylbenzene	15.73	120	2567	0.036	ppbv	#	1
71) 2-Chlorotoluene	15.72	91	24178	0.117	ppbv	#	44
72) 4-Ethyltoluene	16.01	105	32549	0.147	ppbv	#	80
73) 1,3,5-Trimethylbenzene	16.16	105	15215	0.070	ppbv	#	82
74) 1,2,4-Trimethylbenzene	16.94	105	75475	0.309	ppbv	#	66
80) Naphthalene,2-methyl-	25.14	142	1191	0.035	ppbv	#	52

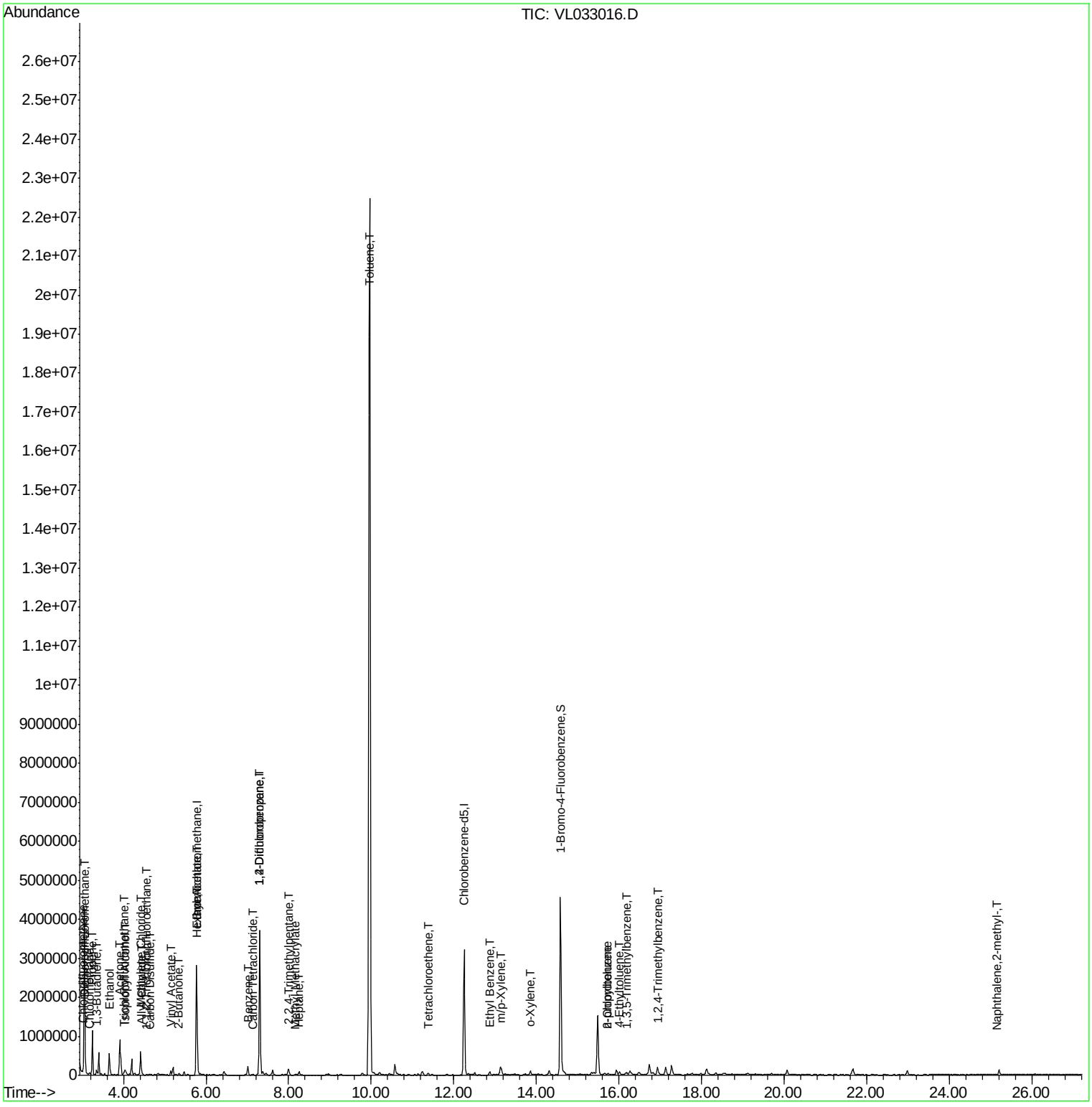
(#) = qualifier out of range (m) = manual integration (+) = signals summed

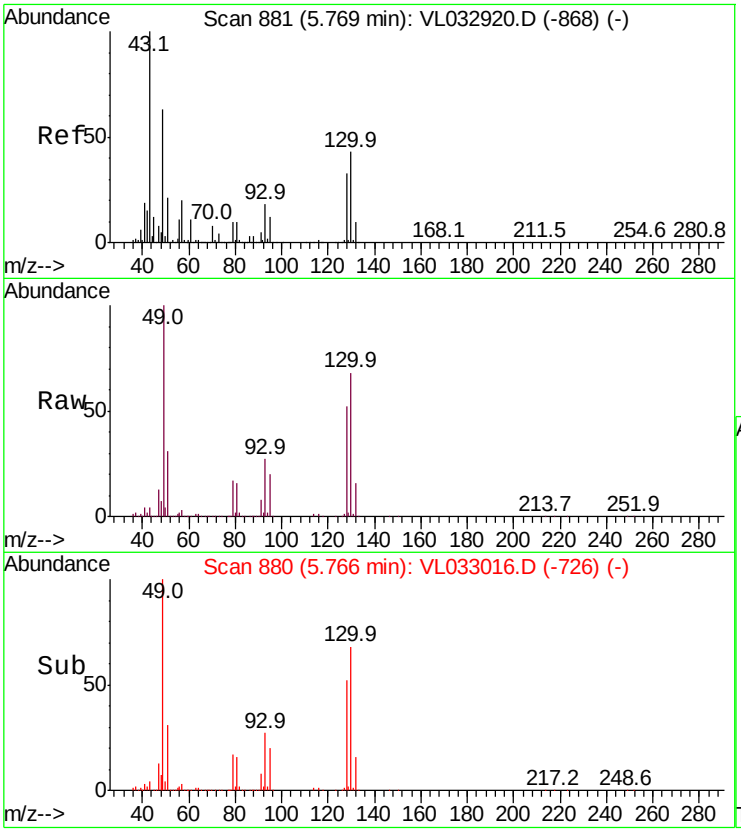
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121718\
Data File : VL033016.D
Acq On : 18 Dec 2018 4:27
Operator : SY/AP
Sample : J6444-04
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 18 09:18:23 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration



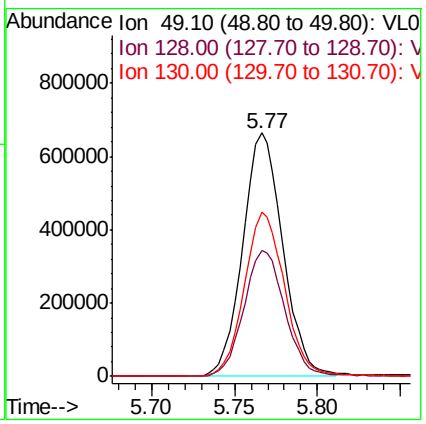


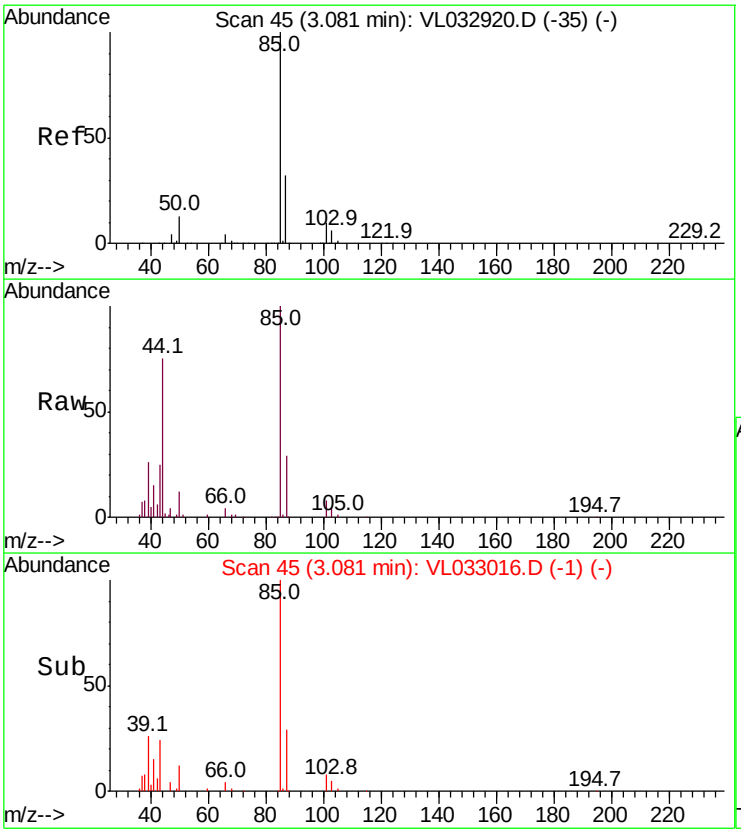
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1121070

Ion	Ratio	Lower	Upper
49	100		
128	53.5	26.3	78.8
130	68.3	33.9	101.7

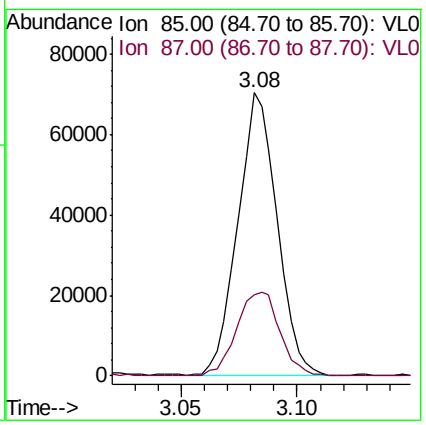


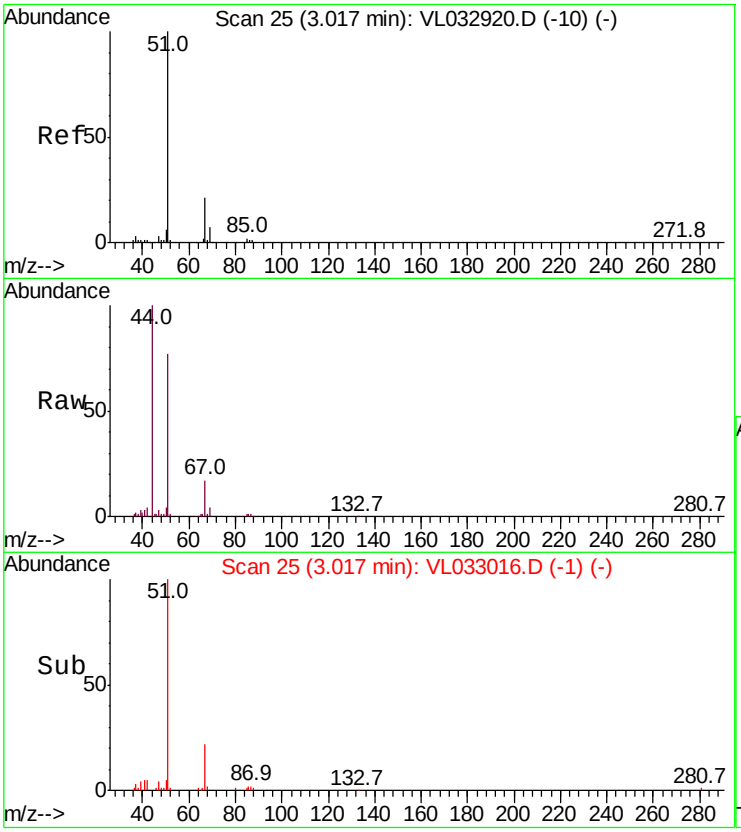


#2
Dichlorodifluoromethane
Concen: 0.556 ppbv
RT: 3.08 min Scan# 45
Delta R.T. -0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Tgt Ion: 85 Resp: 83138

Ion	Ratio	Lower	Upper
85	100		
87	28.8	25.7	38.5

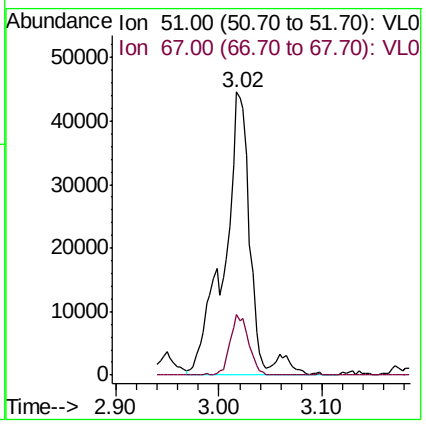




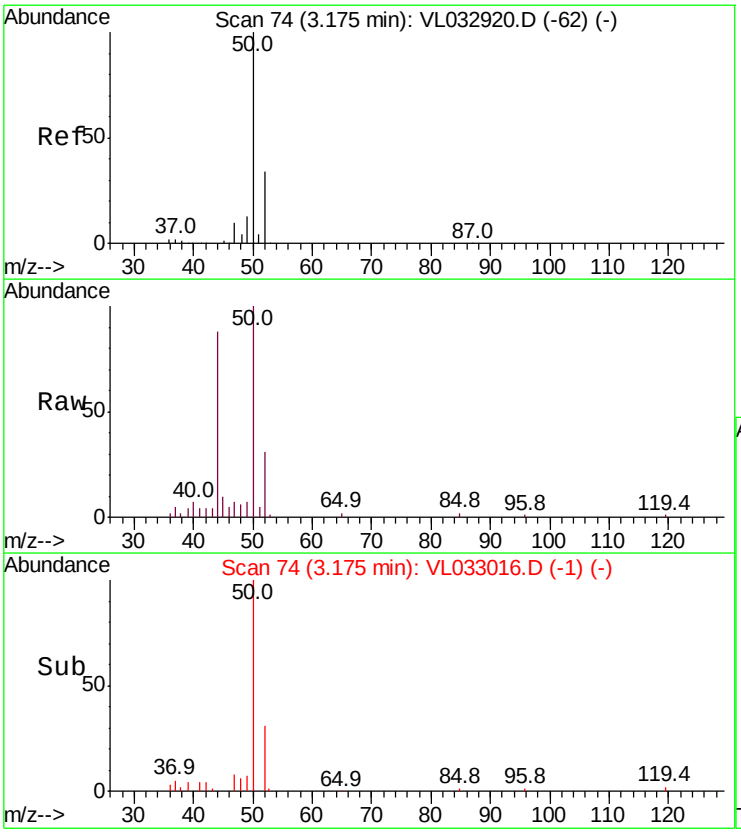
#3
Chlorodifluoromethane
Concen: 0.934 ppbv
RT: 3.02 min Scan# 25
Delta R.T. -0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Tgt Ion: 51 Resp: 79261

Ion	Ratio	Lower	Upper
51	100		
67	15.1	16.8	25.2#



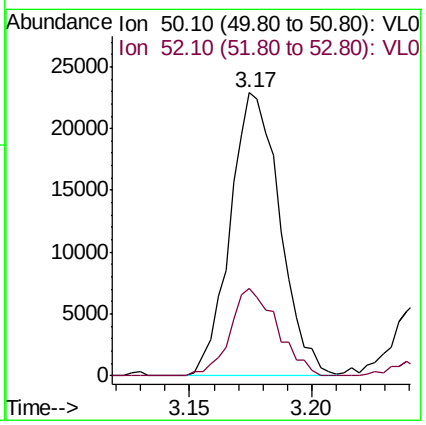
Instrument :
MSVOA_L
ClientSampleId :

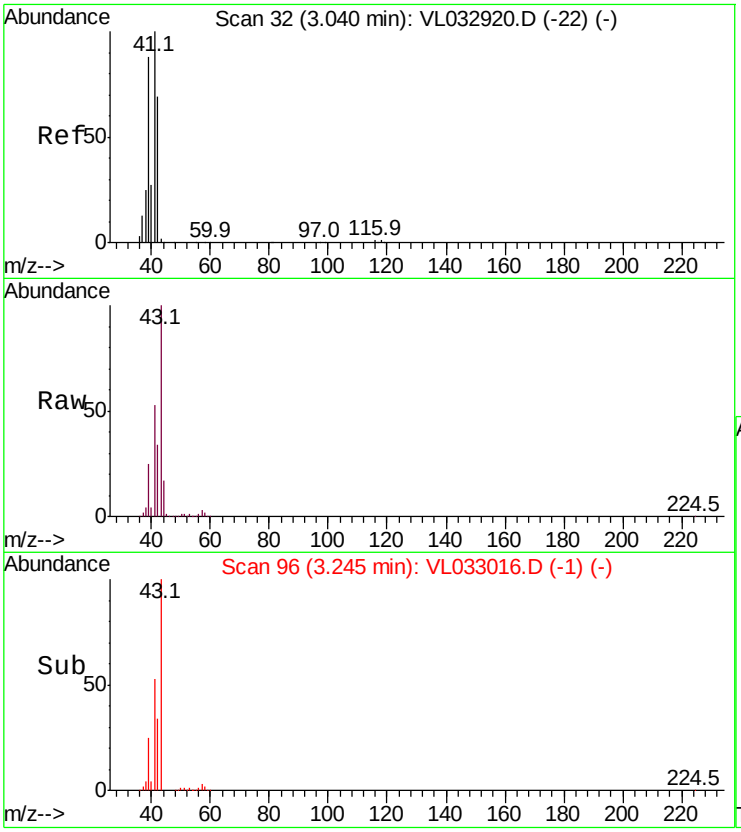


#4
Chloromethane
Concen: 0.654 ppbv
RT: 3.17 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Tgt Ion: 50 Resp: 32347

Ion	Ratio	Lower	Upper
50	100		
52	32.0	27.3	40.9

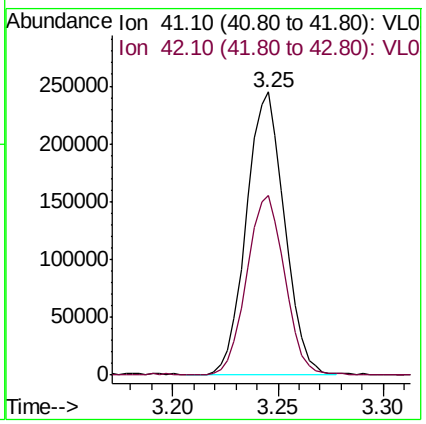




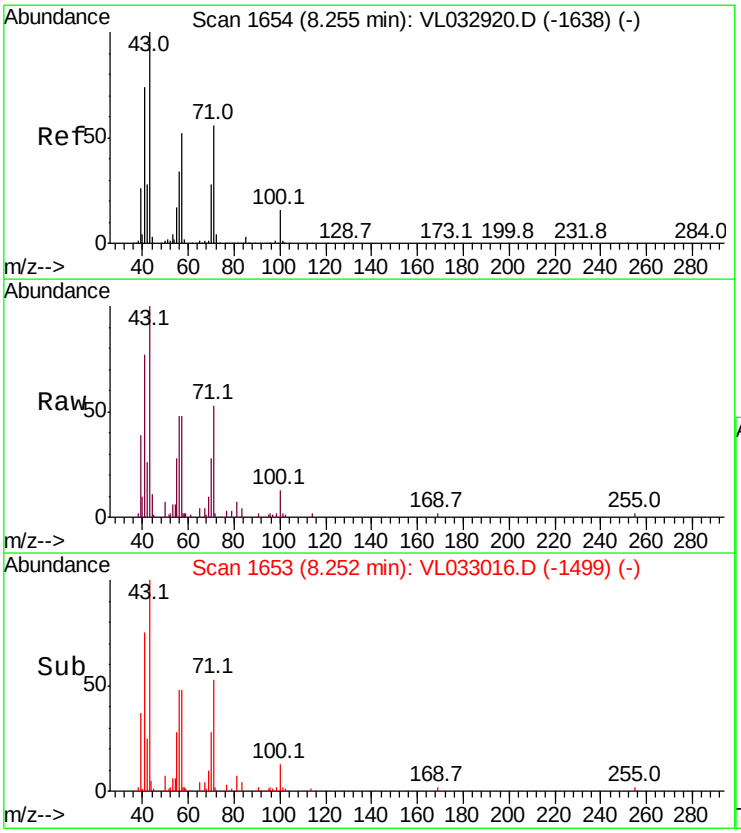
#9
Propene
Concen: 9.143 ppbv
RT: 3.25 min Scan# 96
Delta R.T. 0.21 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Tgt Ion: 41 Resp: 306954

Ion	Ratio	Lower	Upper
41	100		
42	64.2	56.2	84.2



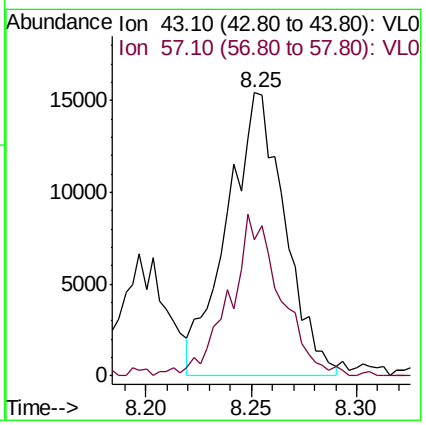
Instrument :
MSVOA_L
ClientSampleId :

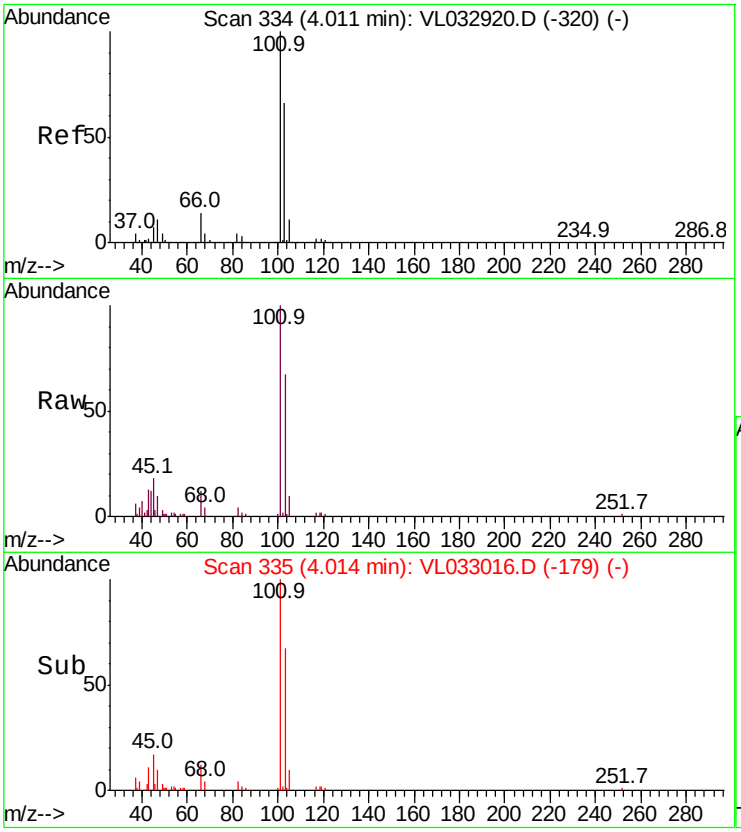


#10
Heptane
Concen: 0.233 ppbv
RT: 8.25 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Tgt Ion: 43 Resp: 29384

Ion	Ratio	Lower	Upper
43	100		
57	51.8	41.8	62.6



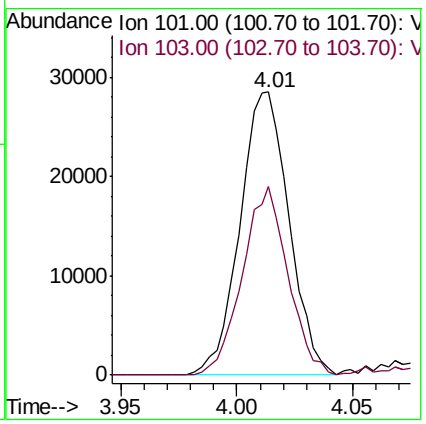


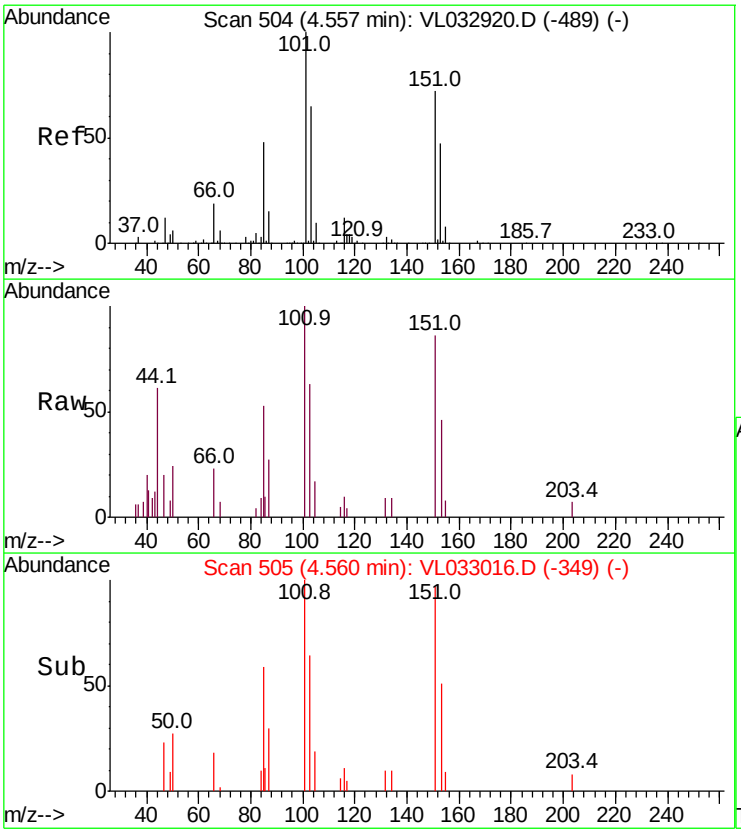
#11
Trichlorofluoromethane
Concen: 0.297 ppbv
RT: 4.01 min Scan# 335
Delta R.T. 0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 41833

Ion	Ratio	Lower	Upper
101	100		
103	66.8	52.7	79.1

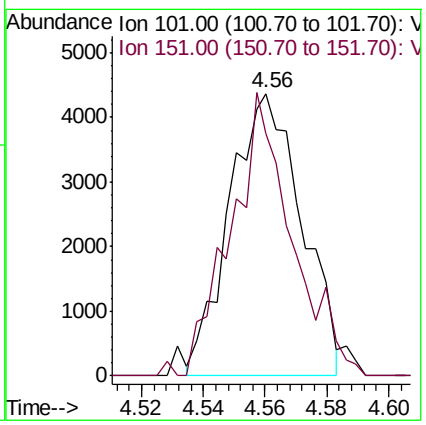


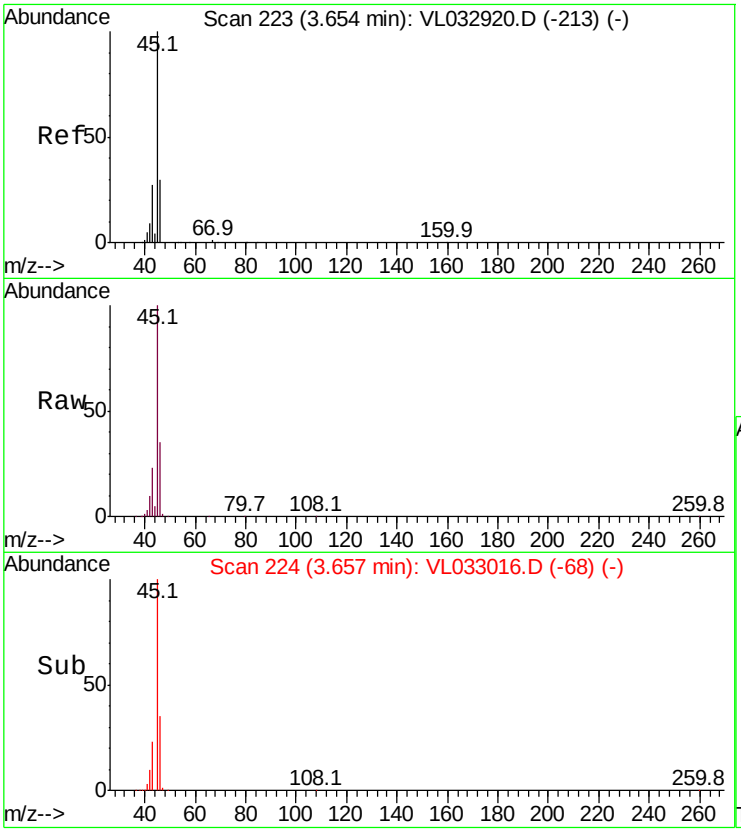


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.059 ppbv
RT: 4.56 min Scan# 505
Delta R.T. 0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Tgt Ion:101 Resp: 7088

Ion	Ratio	Lower	Upper
101	100		
151	85.5	59.3	88.9



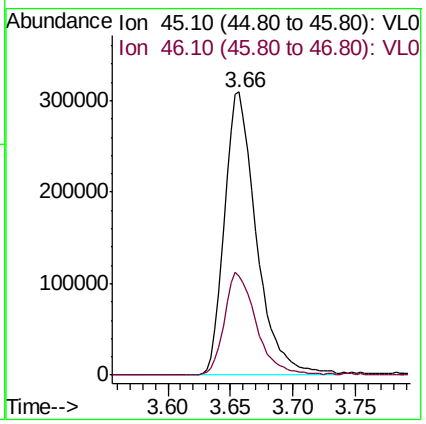


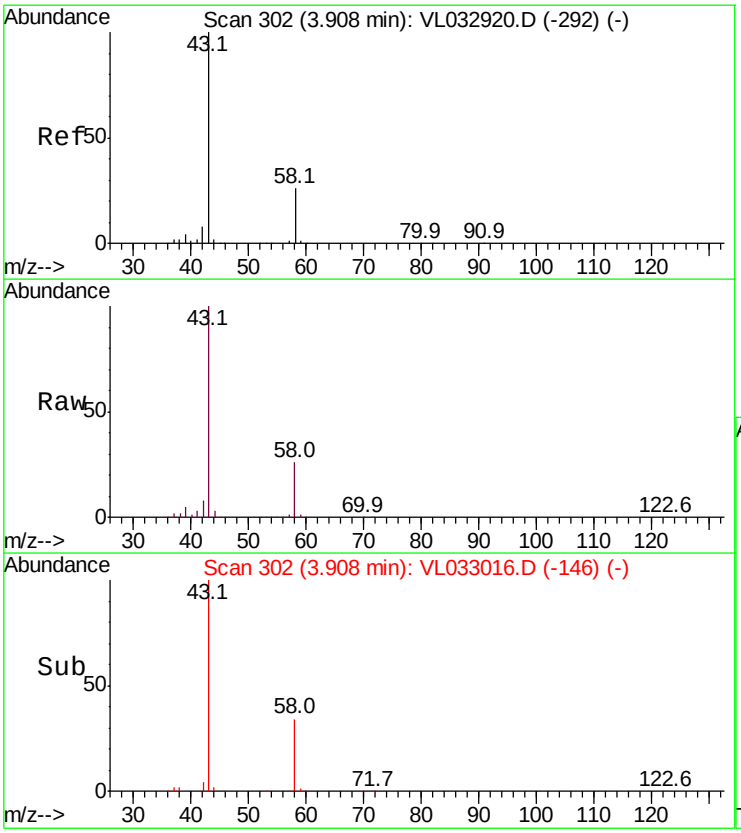
#13
Ethanol
Concen: 47.414 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 548059

Ion	Ratio	Lower	Upper
45	100		
46	36.8	13.8	55.4

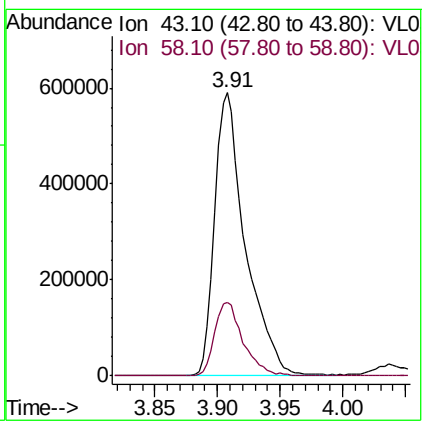


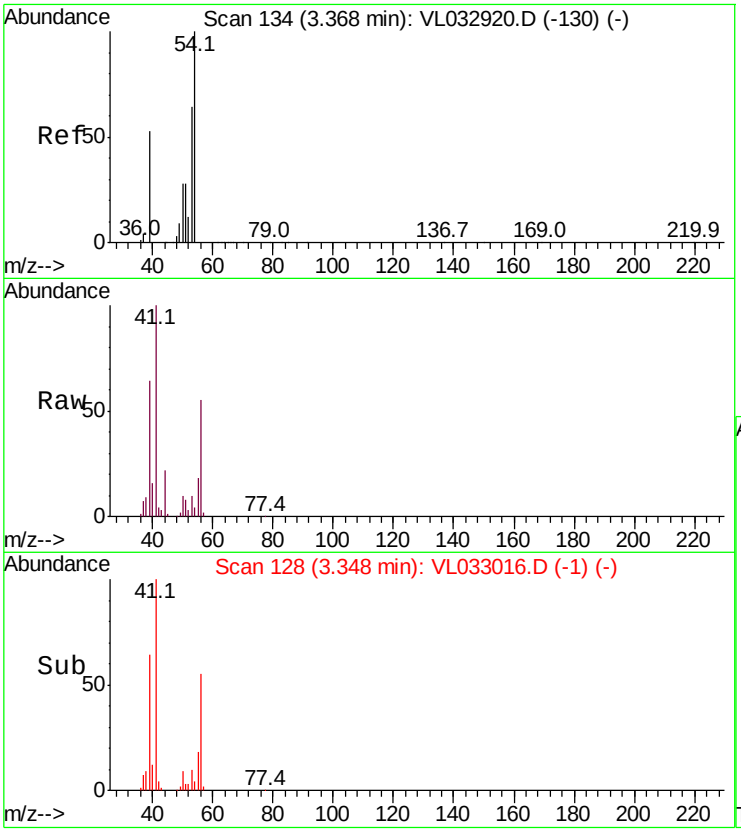


#15
Acetone
Concen: 10.414 ppbv
RT: 3.91 min Scan# 302
Delta R.T. -0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Tgt Ion: 43 Resp: 1002085

Ion	Ratio	Lower	Upper
43	100		
58	24.2	20.6	30.8



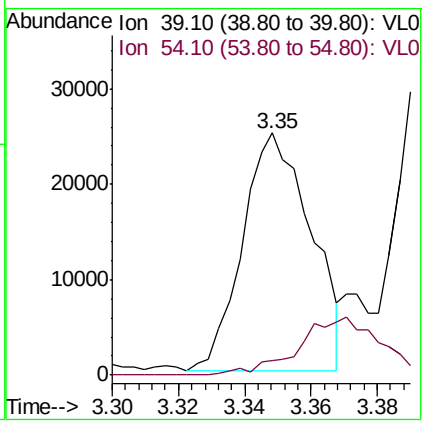


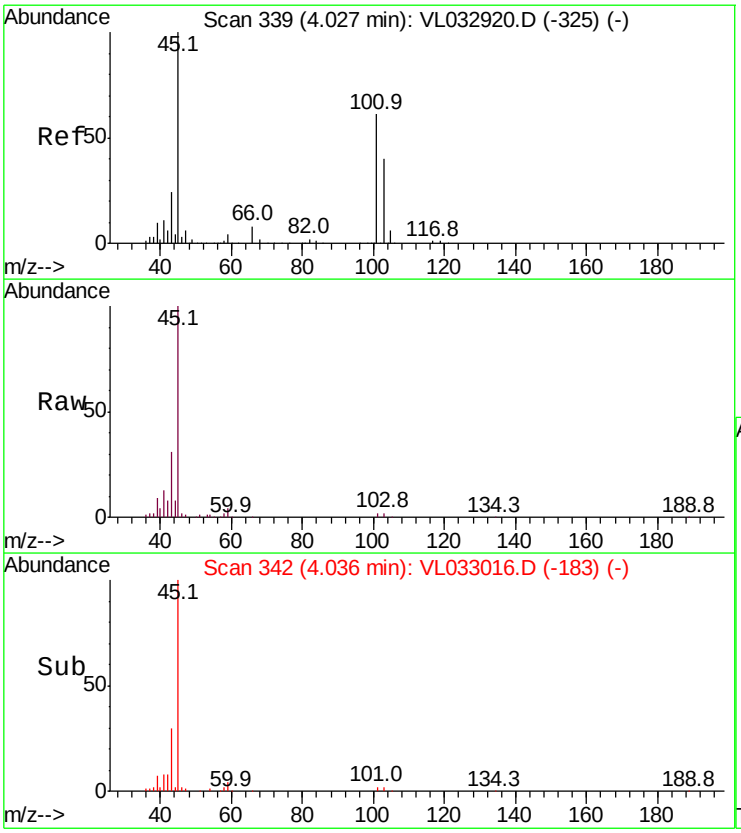
#16
1,3-Butadiene
Concen: 0.938 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.02 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 35799

Ion	Ratio	Lower	Upper
39	100		
54	32.5	72.7	109.1#

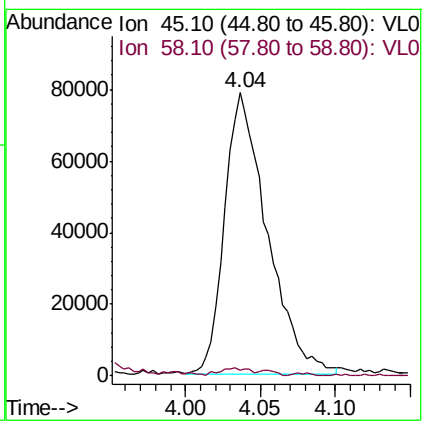


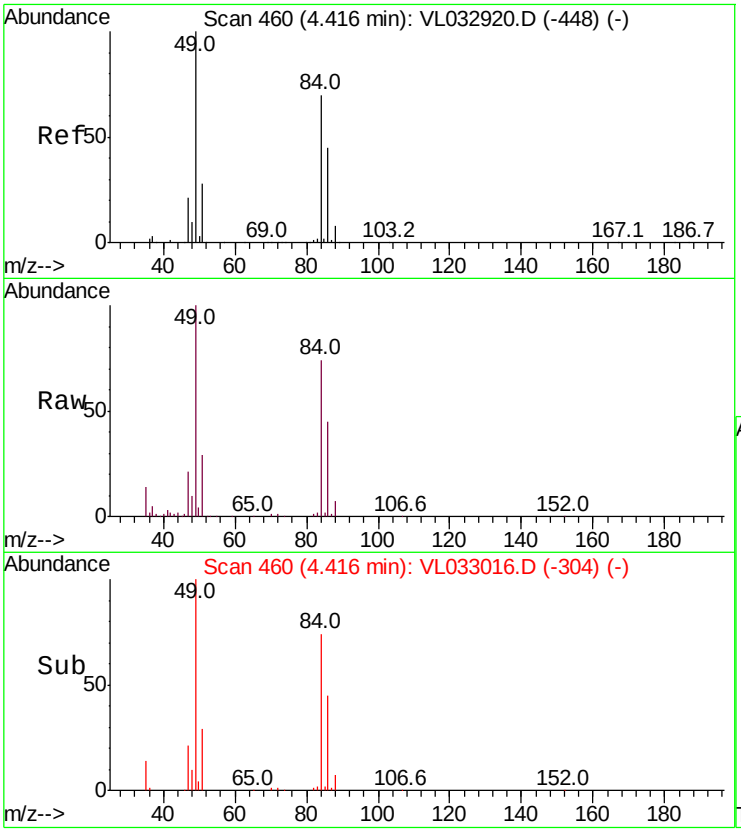


#19
Isopropyl Alcohol
Concen: 2.585 ppbv
RT: 4.04 min Scan# 342
Delta R.T. 0.01 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Tgt Ion: 45 Resp: 156214

Ion	Ratio	Lower	Upper
45	100		
58	156.5	1.4	2.2#



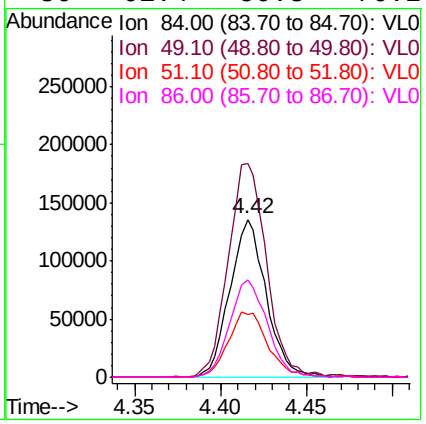


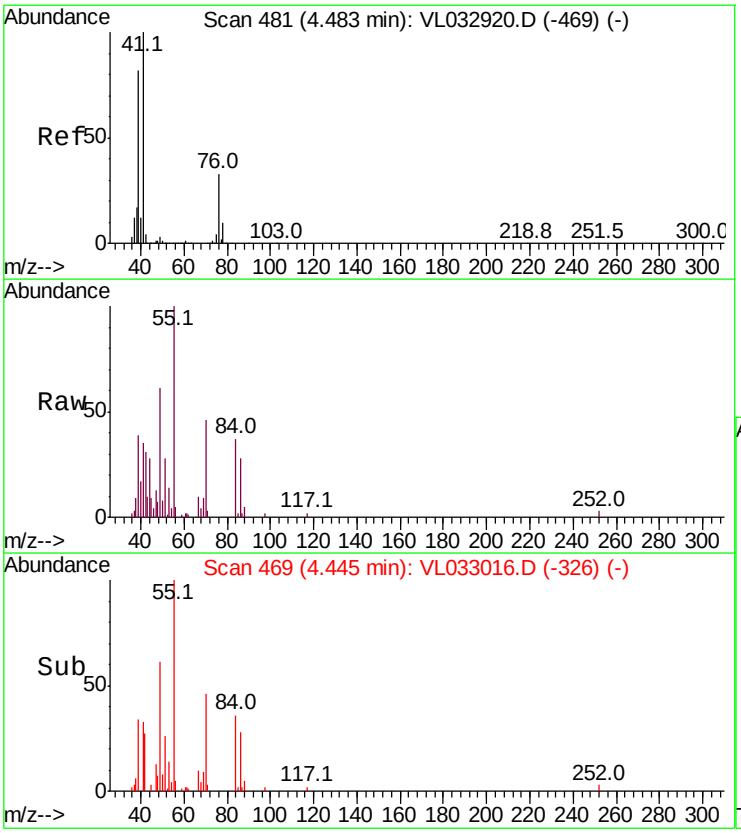
#20
Methylene Chloride
Concen: 4.245 ppbv
RT: 4.42 min Scan# 460
Delta R.T. -0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 199618

Ion	Ratio	Lower	Upper
84	100		
49	135.2	113.8	170.8
51	39.7	31.8	47.8
86	61.4	50.8	76.2

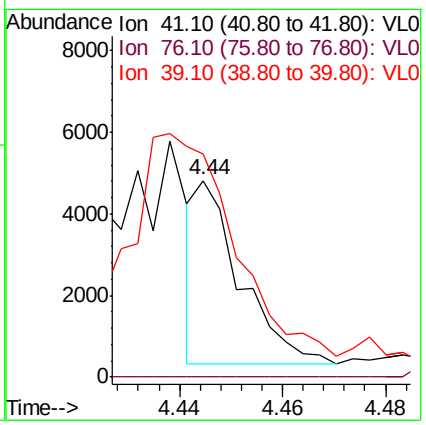


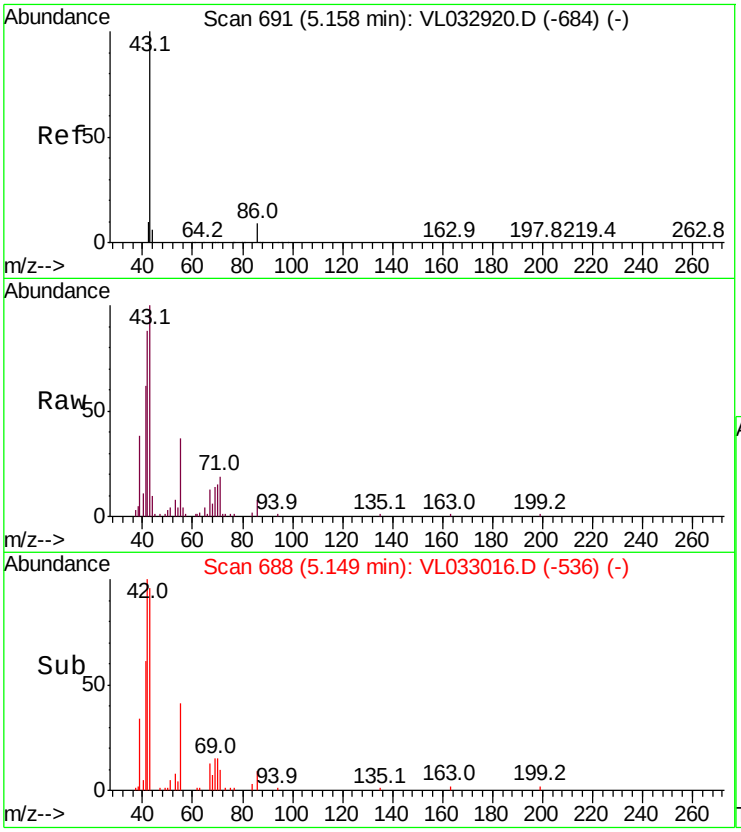


#21
Allyl Chloride
Concen: 0.034 ppbv
RT: 4.44 min Scan# 469
Delta R.T. -0.04 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Tgt Ion: 41 Resp: 2688

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.2	37.8#
39	380.7	65.2	97.8#



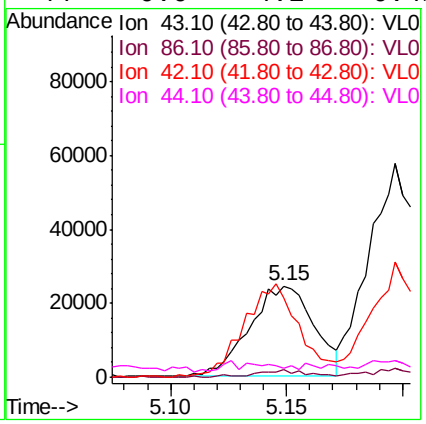


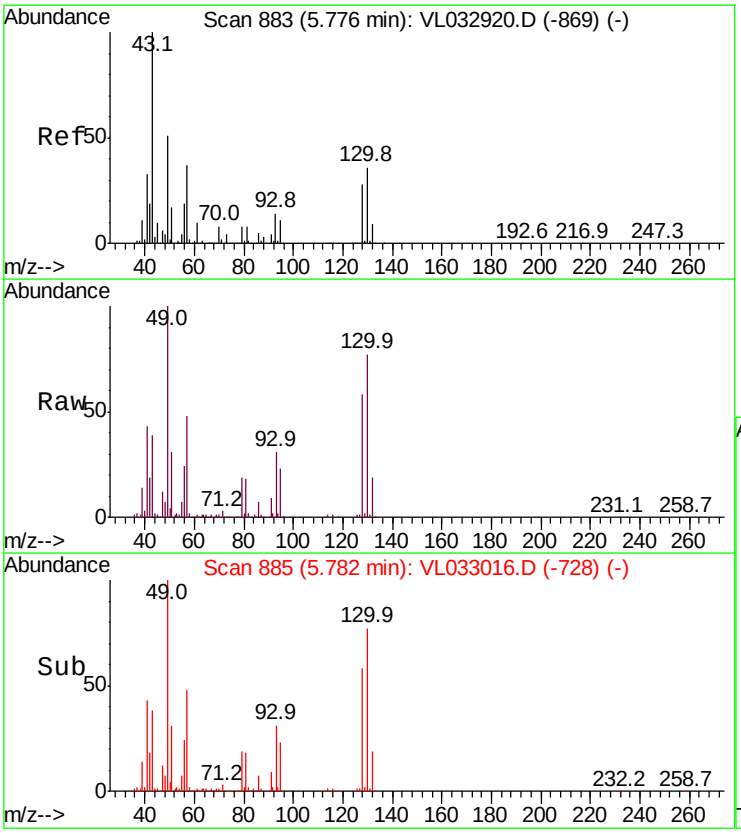
#23
Vinyl Acetate
Concen: 0.289 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.01 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 47008

Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.6	9.8
42	86.7	8.3	12.5#
44	0.0	4.2	6.4#

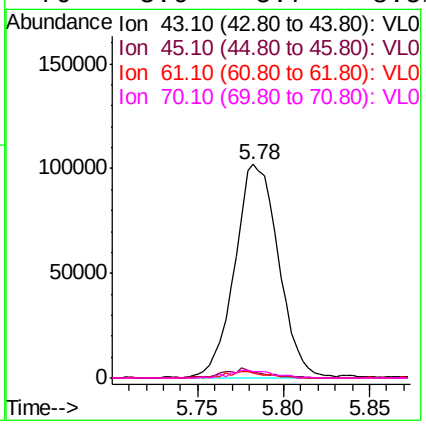


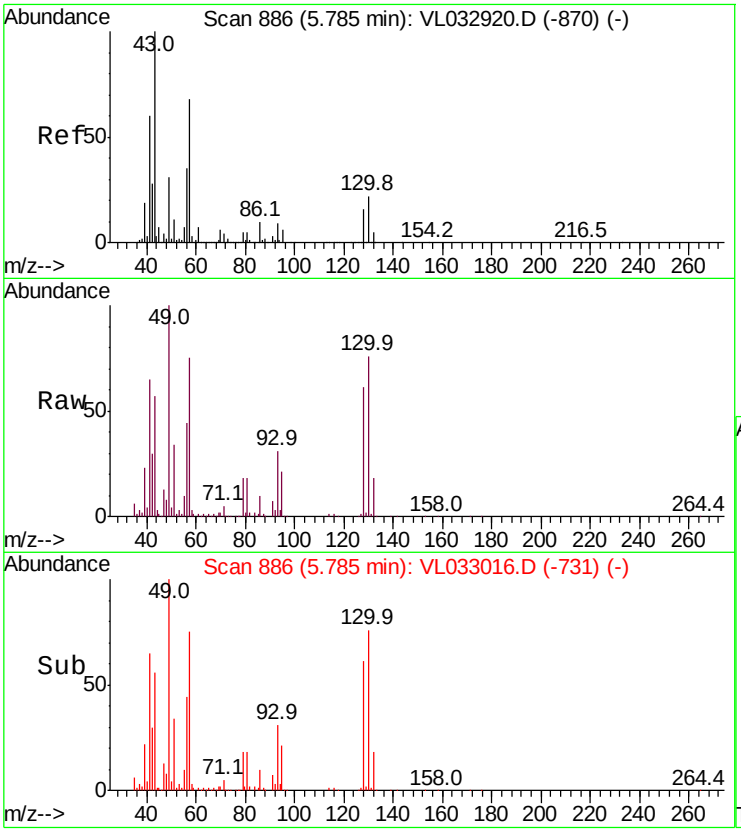


#25
Ethyl Acetate
Concen: 0.796 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Tgt Ion: 43 Resp: 180894

Ion	Ratio	Lower	Upper
43	100		
45	4.1	7.8	11.6#
61	2.9	7.4	11.2#
70	3.6	5.7	8.5#



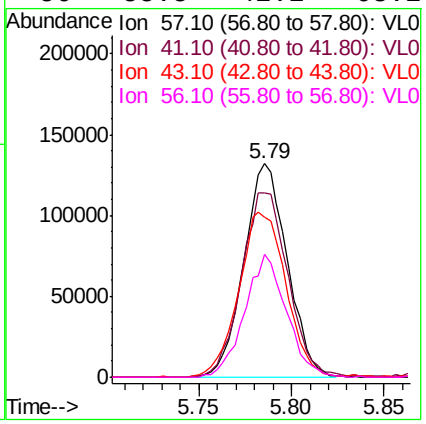


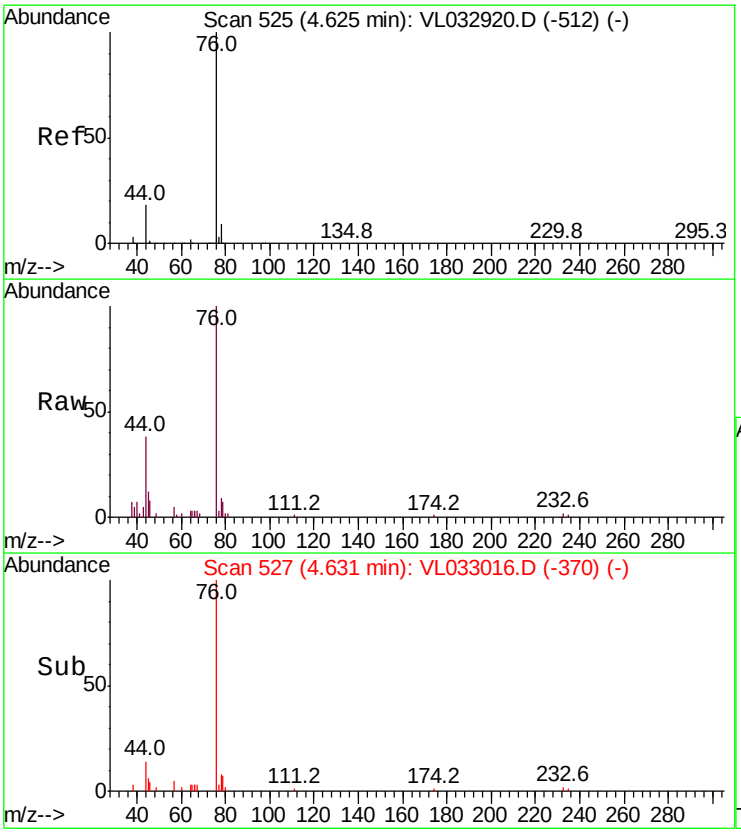
#26
Hexane
Concen: 2.038 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 213833

Ion	Ratio	Lower	Upper
57	100		
41	93.4	72.2	108.2
43	85.9	171.9	257.9#
56	55.5	42.2	63.2

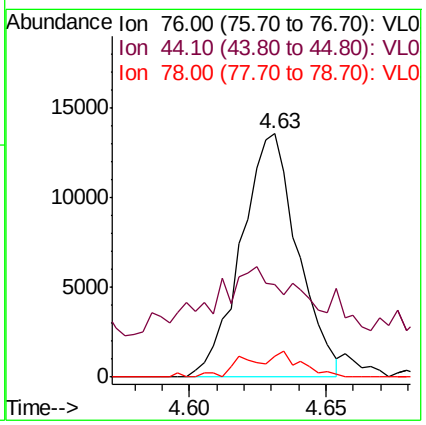


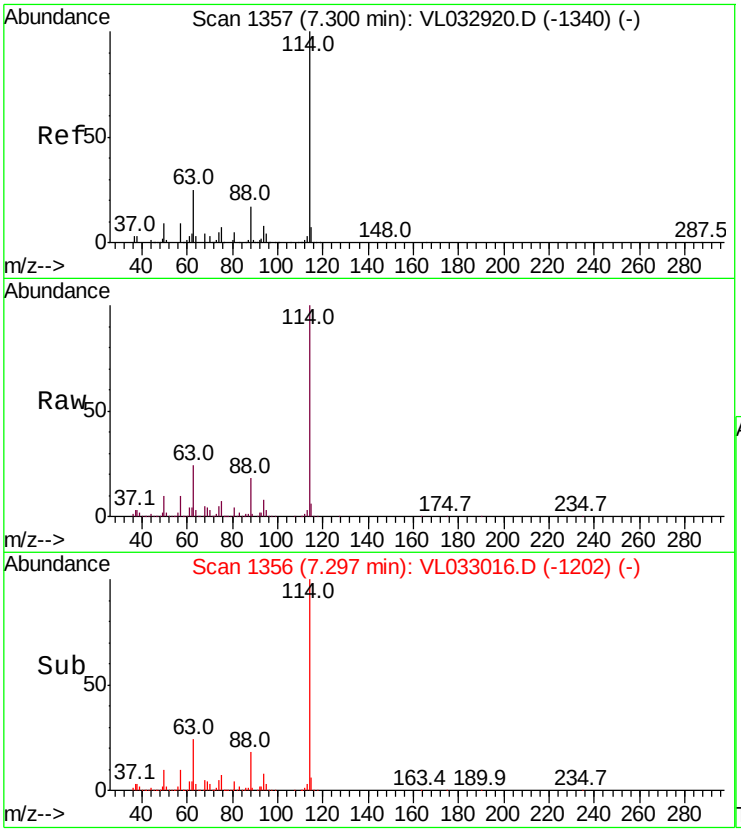


#27
Carbon Disulfide
Concen: 0.148 ppbv
RT: 4.63 min Scan# 527
Delta R.T. 0.01 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Tgt Ion: 76 Resp: 19450

Ion	Ratio	Lower	Upper
76	100		
44	73.3	14.7	22.1#
78	10.4	7.4	11.2



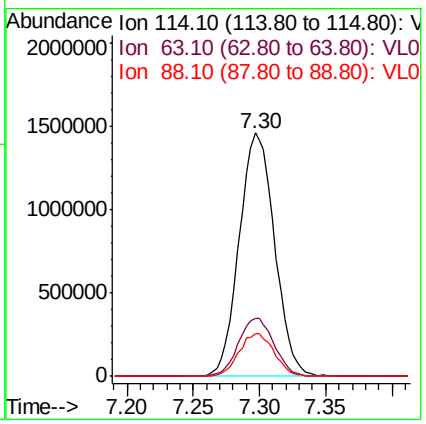


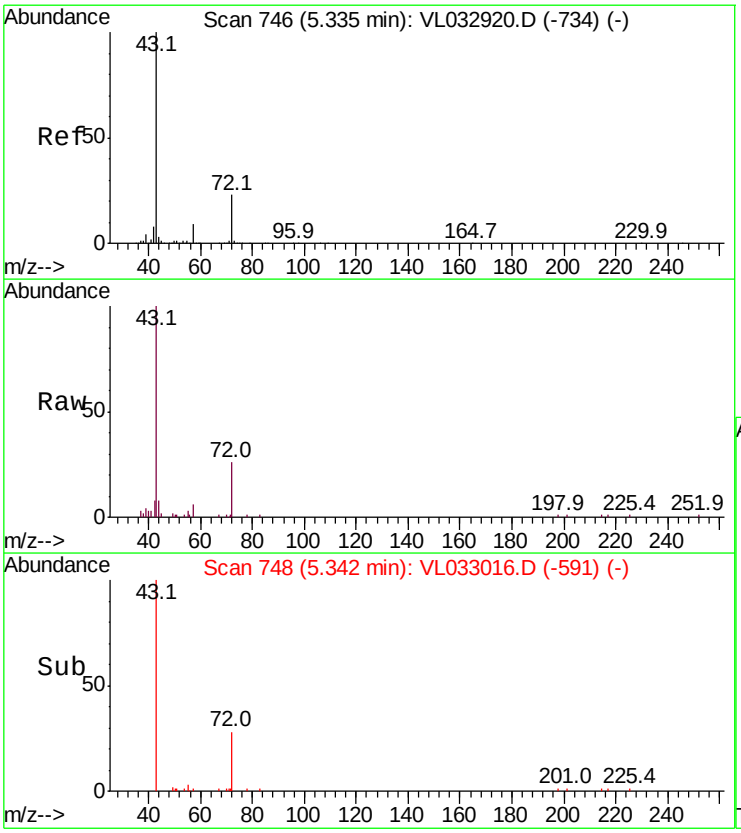
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2715688

Ion	Ratio	Lower	Upper
114	100		
63	24.2	20.1	30.1
88	17.5	14.2	21.4

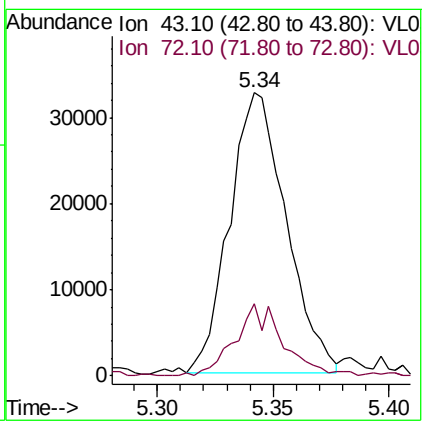


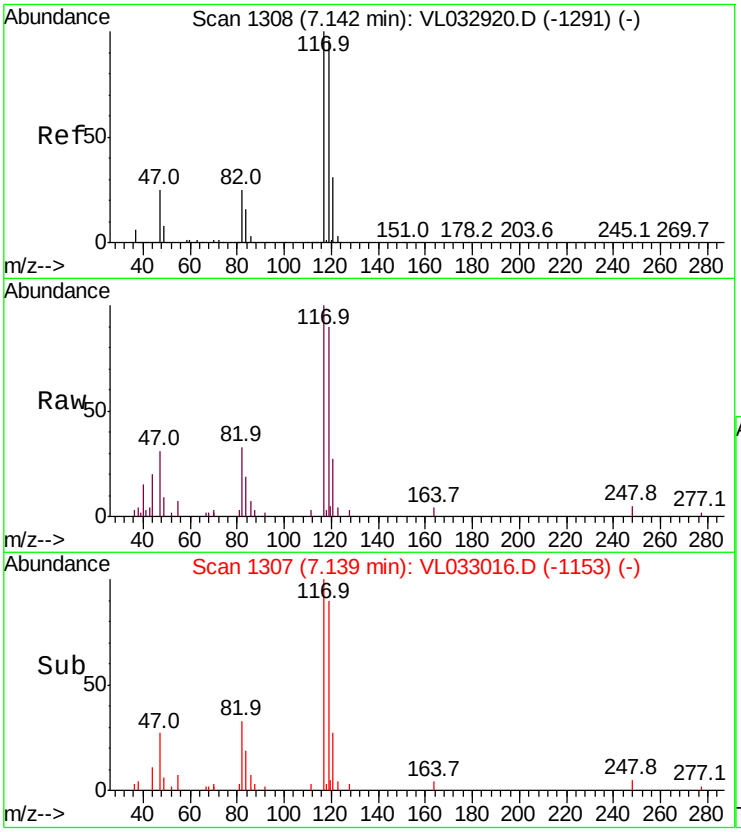


#34
2-Butanone
Concen: 0.467 ppbv
RT: 5.34 min Scan# 748
Delta R.T. 0.01 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Tgt Ion: 43 Resp: 55221

Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.8	28.2



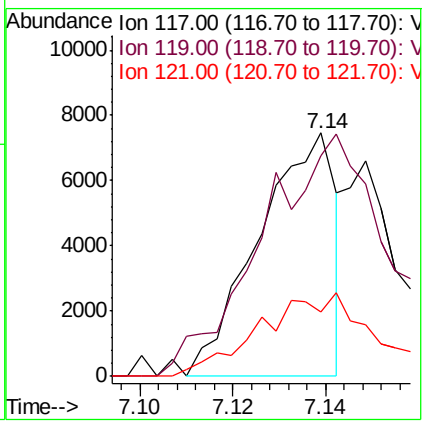


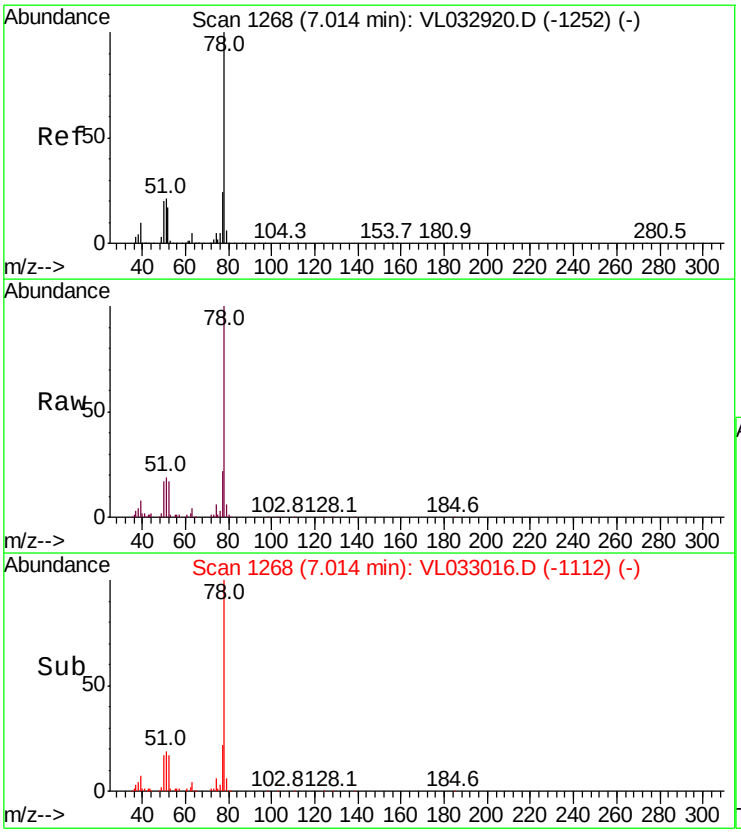
#35
Carbon Tetrachloride
Concen: 0.040 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 8595

Ion	Ratio	Lower	Upper
117	100		
119	74.1	76.5	114.7#
121	24.1	24.5	36.7#

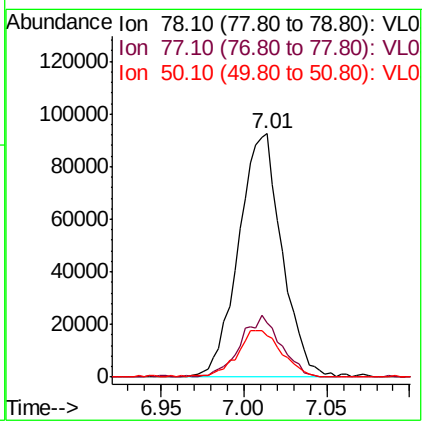


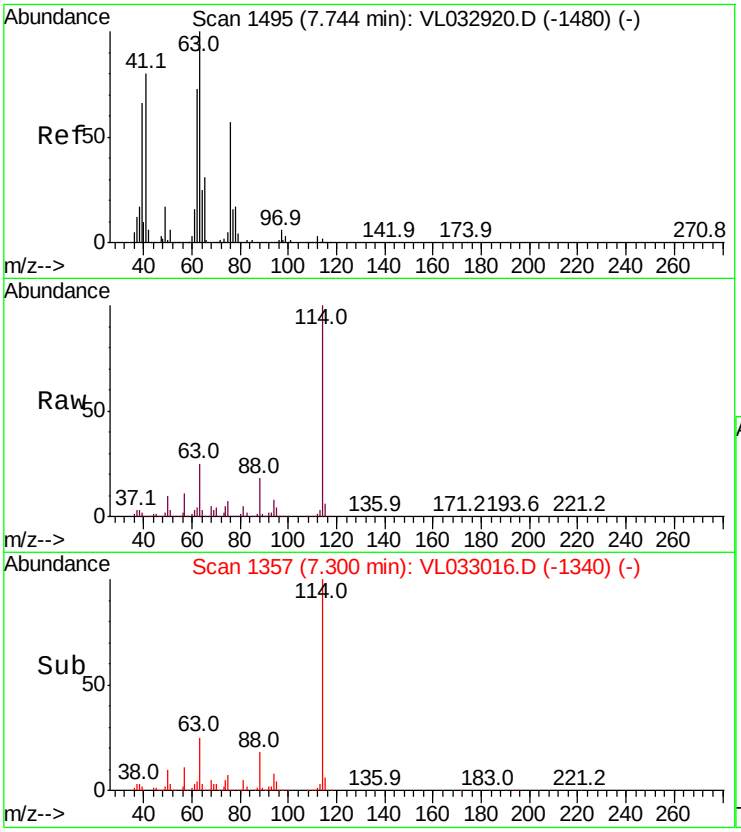


#36
Benzene
Concen: 0.840 ppbv
RT: 7.01 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Tgt Ion: 78 Resp: 167696

Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.9	28.3
50	16.9	16.1	24.1



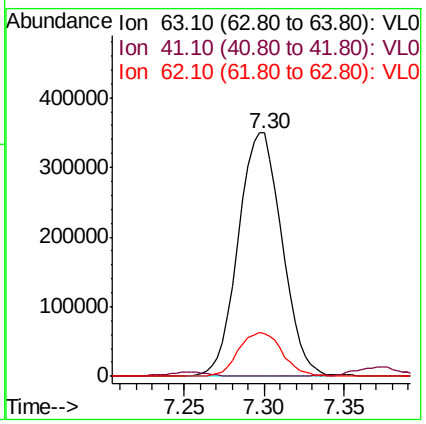


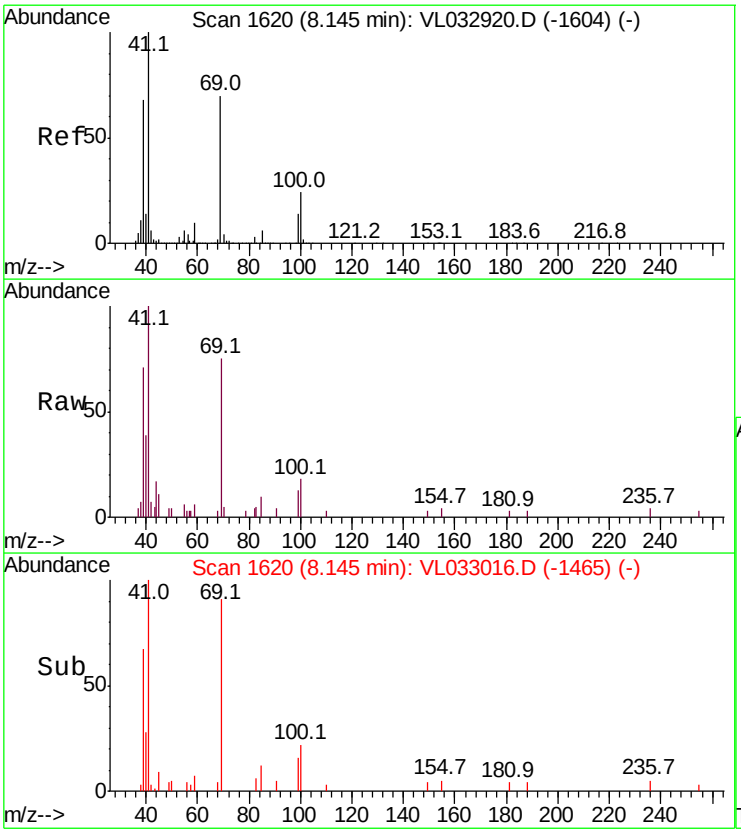
#39
1,2-Dichloropropane
Concen: 8.621 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.44 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 653033

Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.9	95.9#
62	17.4	58.8	88.2#

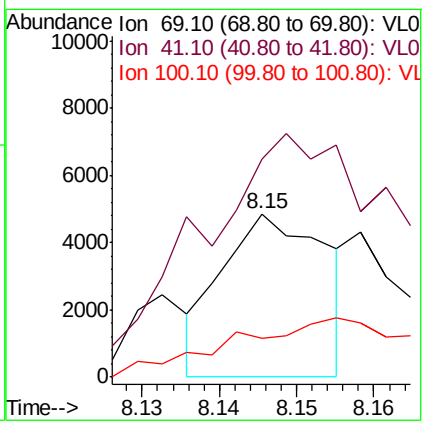


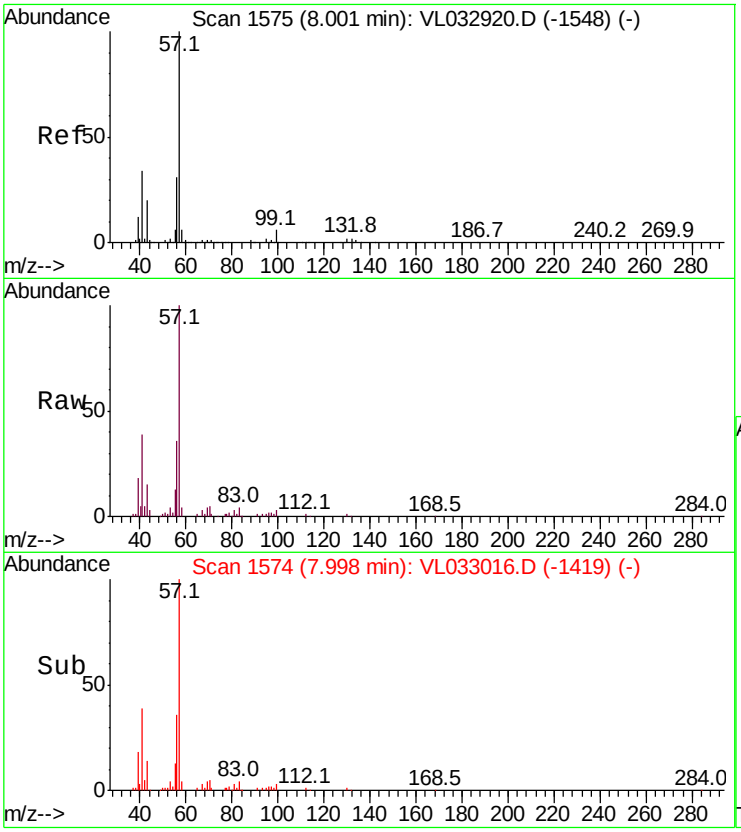


#43
Methyl Methacrylate
Concen: 0.062 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Tgt Ion: 69 Resp: 4554

Ion	Ratio	Lower	Upper
69	100		
41	359.7	116.6	175.0#
100	0.0	26.5	39.7#



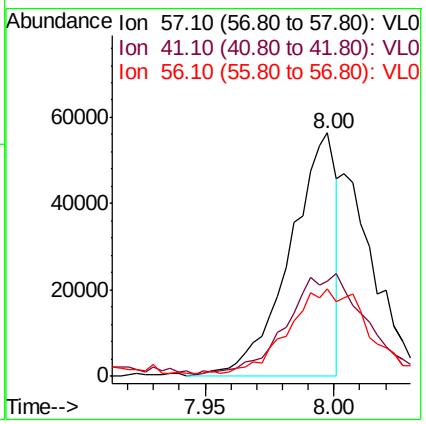


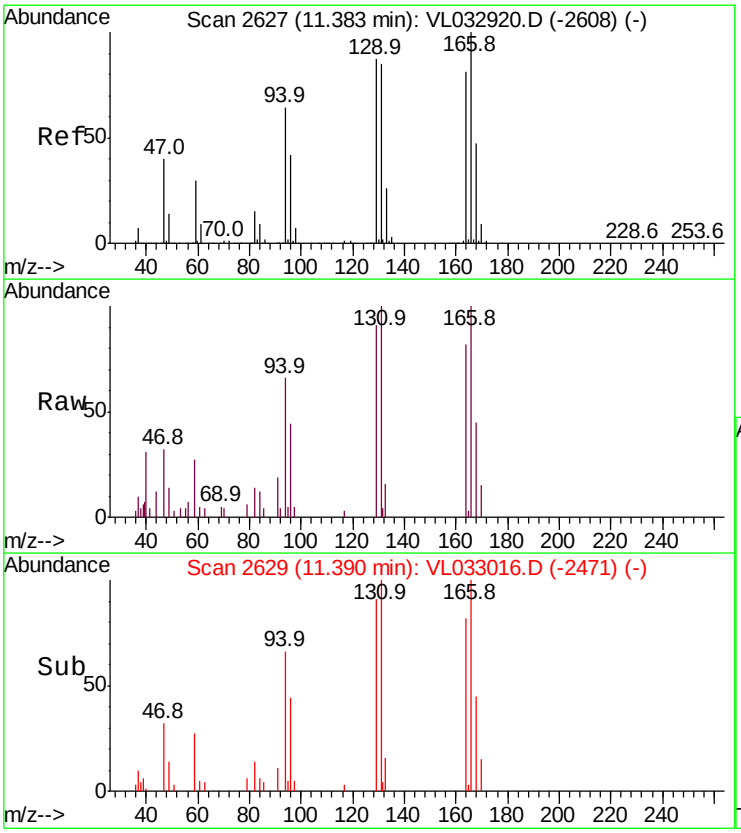
#44
2,2,4-Trimethylpentane
Concen: 0.206 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 69944

Ion	Ratio	Lower	Upper
57	100		
41	0.0	27.0	40.4#
56	64.6	24.6	37.0#

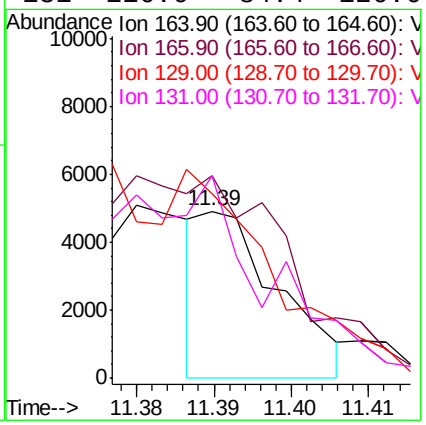


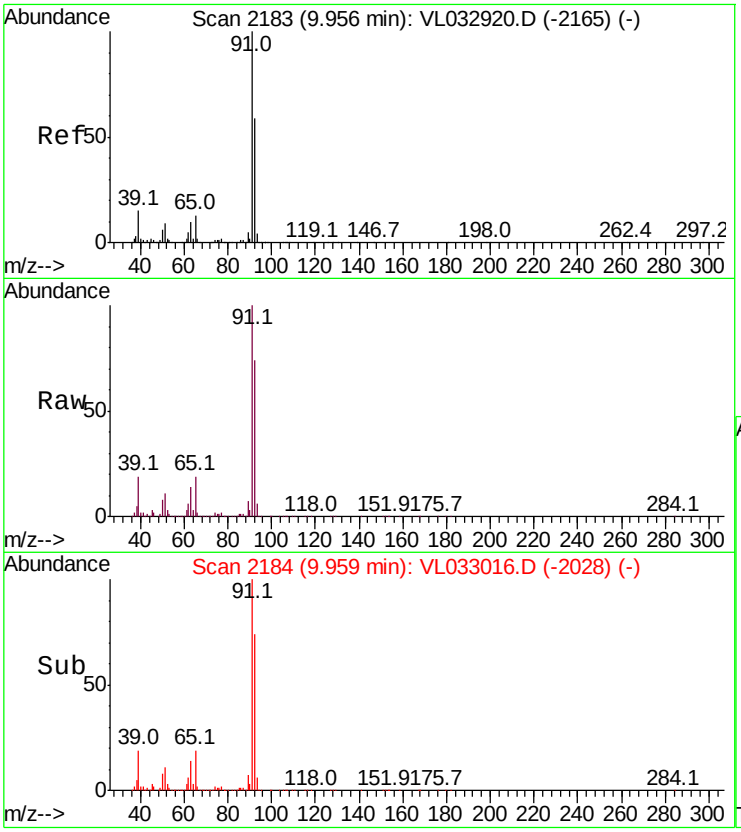


#52
Tetrachloroethene
Concen: 0.047 ppbv
RT: 11.39 min Scan# 2629
Delta R.T. 0.01 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Tgt Ion:164 Resp: 3405

Ion	Ratio	Lower	Upper
164	100		
166	109.0	98.8	148.2
129	96.4	85.5	128.3
131	116.6	84.4	126.6



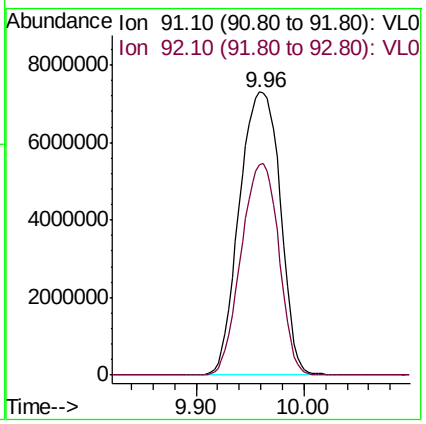


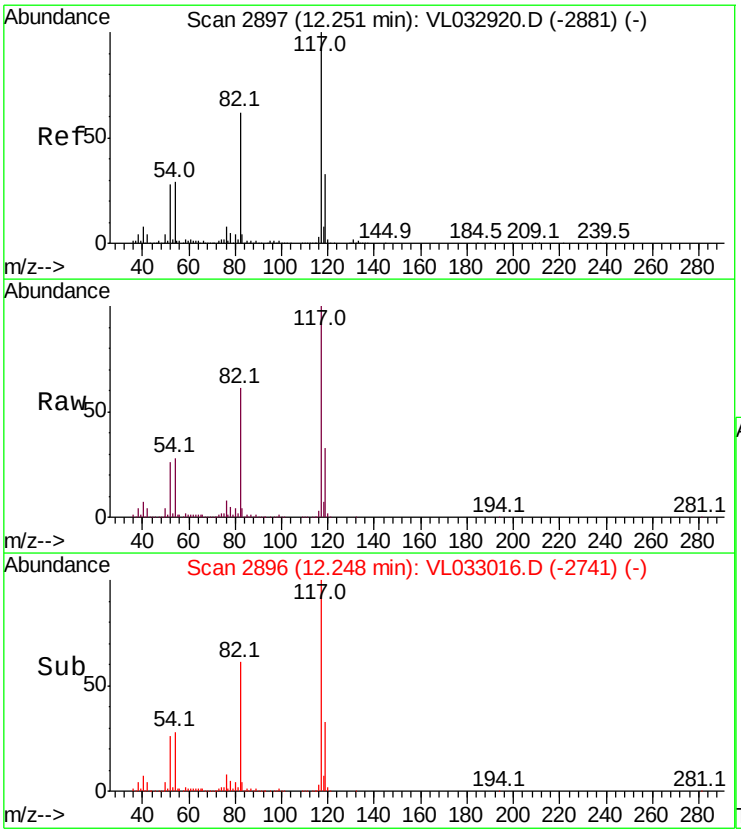
#53
Toluene
Concen: 91.165 ppbv
RT: 9.96 min Scan# 2184
Delta R.T. 0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp:19312667

Ion	Ratio	Lower	Upper
91	100		
92	68.9	47.4	71.0

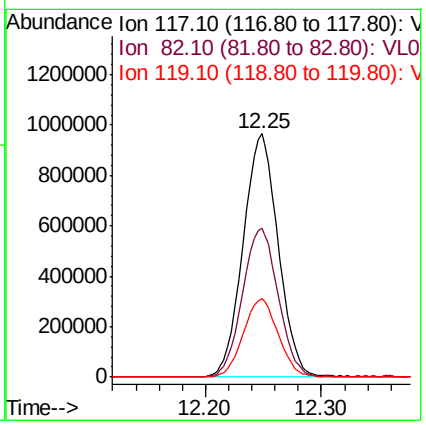


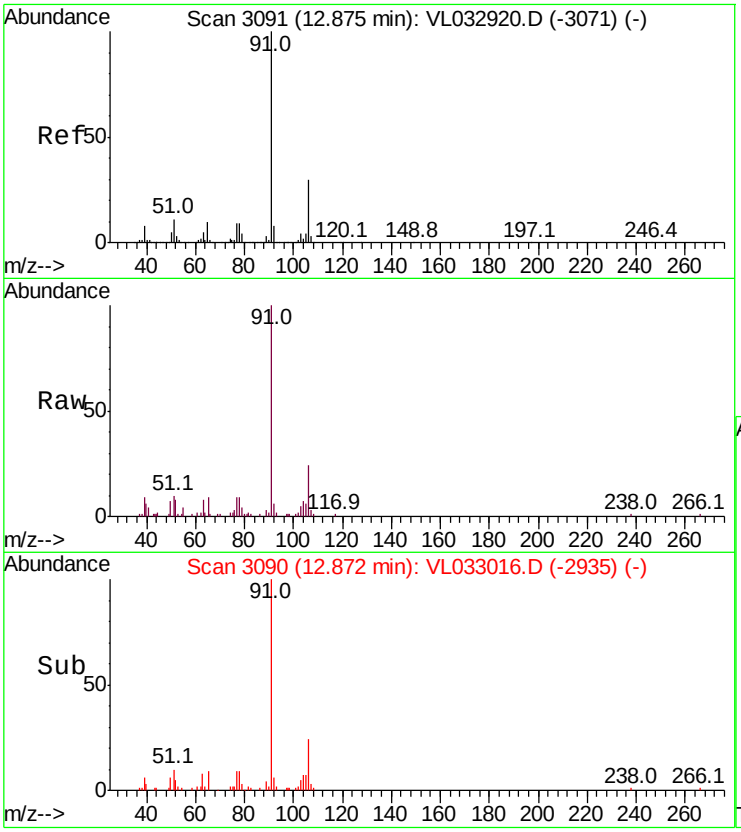


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Tgt Ion:117 Resp: 2034499

Ion	Ratio	Lower	Upper
117	100		
82	62.3	47.8	71.8
119	32.4	43.1	64.7#



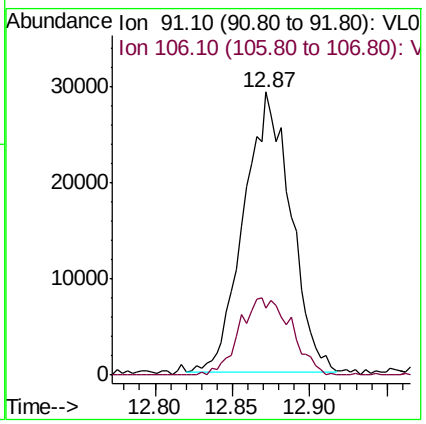


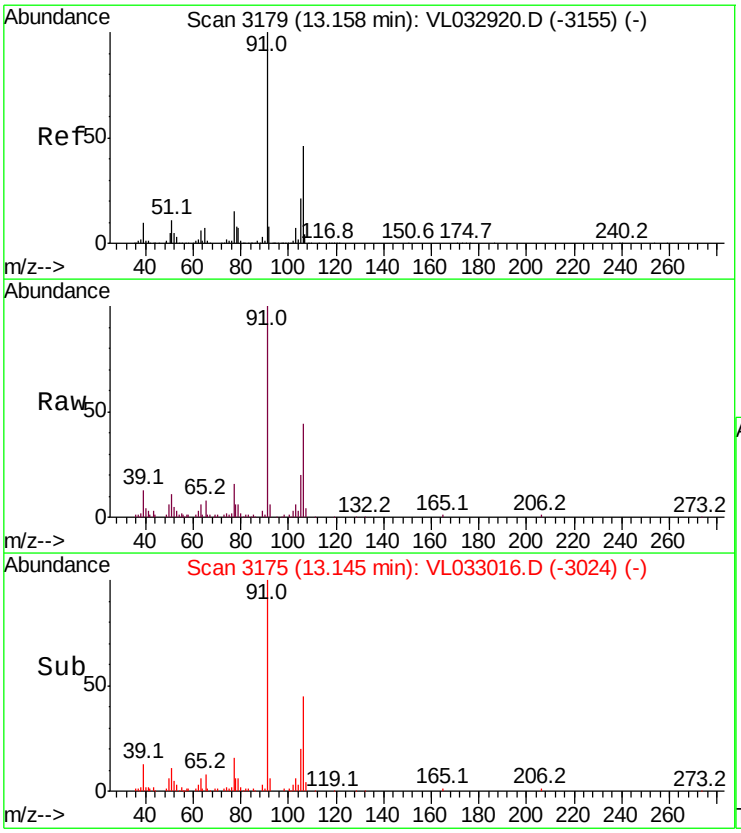
#58
Ethyl Benzene
Concen: 0.282 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 61259

Ion	Ratio	Lower	Upper
91	100		
106	24.0	23.9	35.9

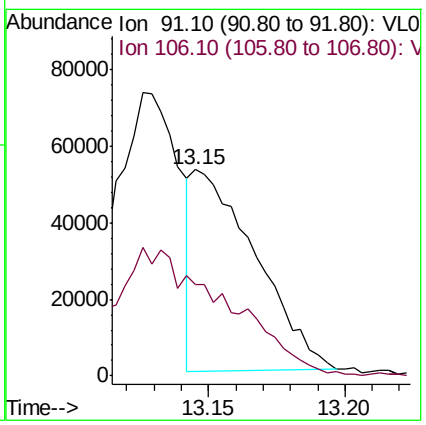


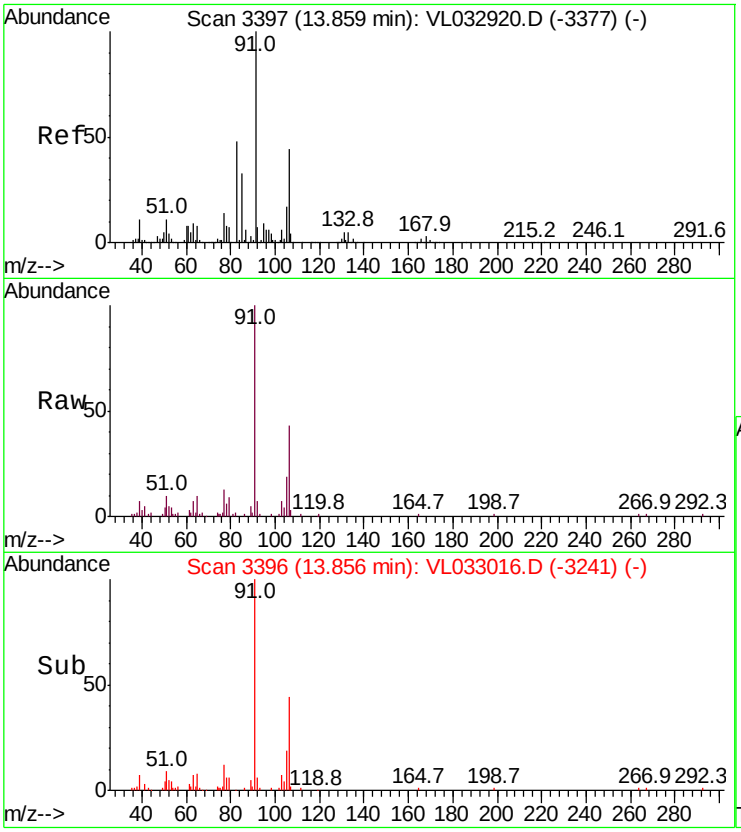


#59
m/p-Xylene
Concen: 0.429 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. -0.01 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Tgt Ion: 91 Resp: 84477

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0



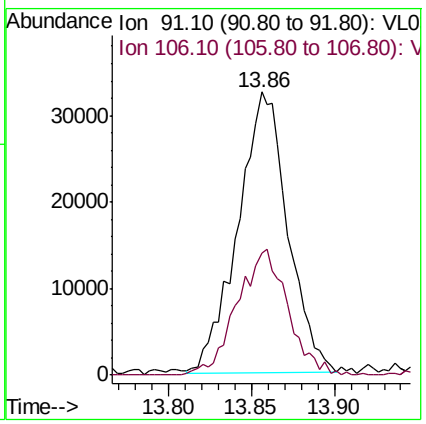


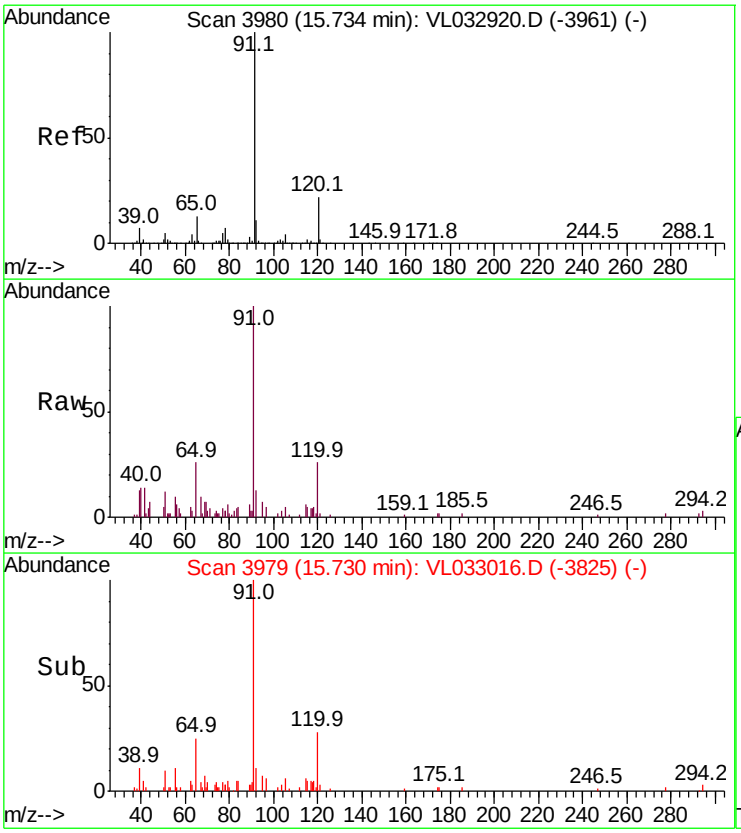
#60
o-Xylene
Concen: 0.341 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 67730

Ion	Ratio	Lower	Upper
91	100		
106	45.5	21.9	65.8

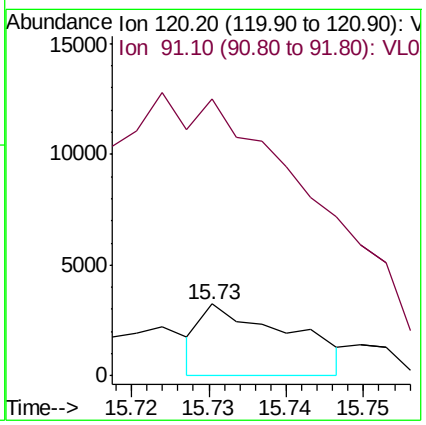


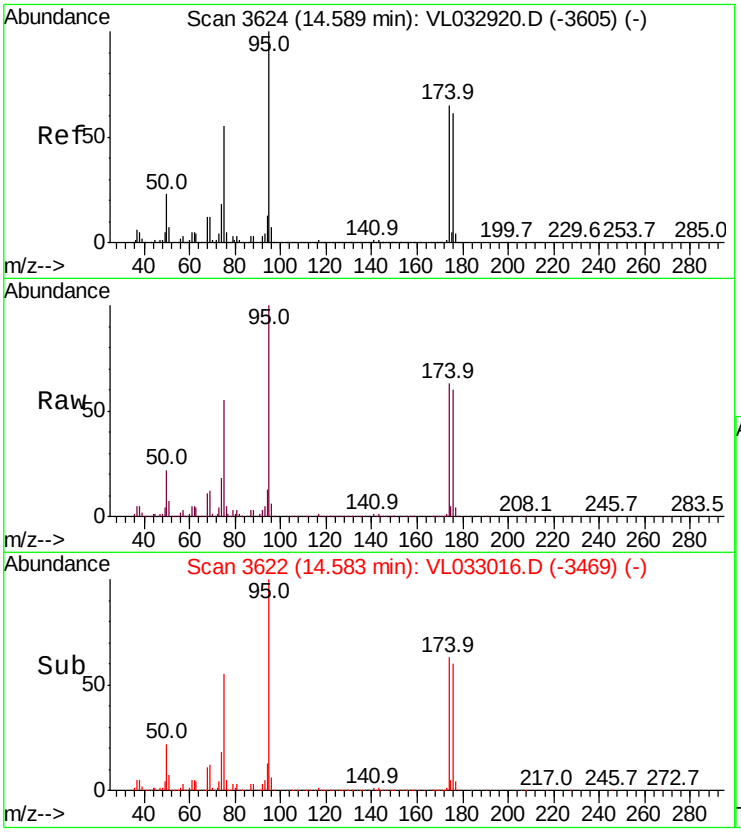


#64
n-propylbenzene
Concen: 0.036 ppbv
RT: 15.73 min Scan# 3979
Delta R.T. -0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Tgt Ion:120 Resp: 2567

Ion	Ratio	Lower	Upper
120	100		
91	0.0	380.4	570.6#



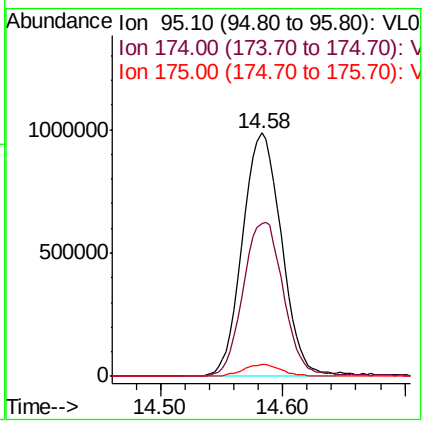


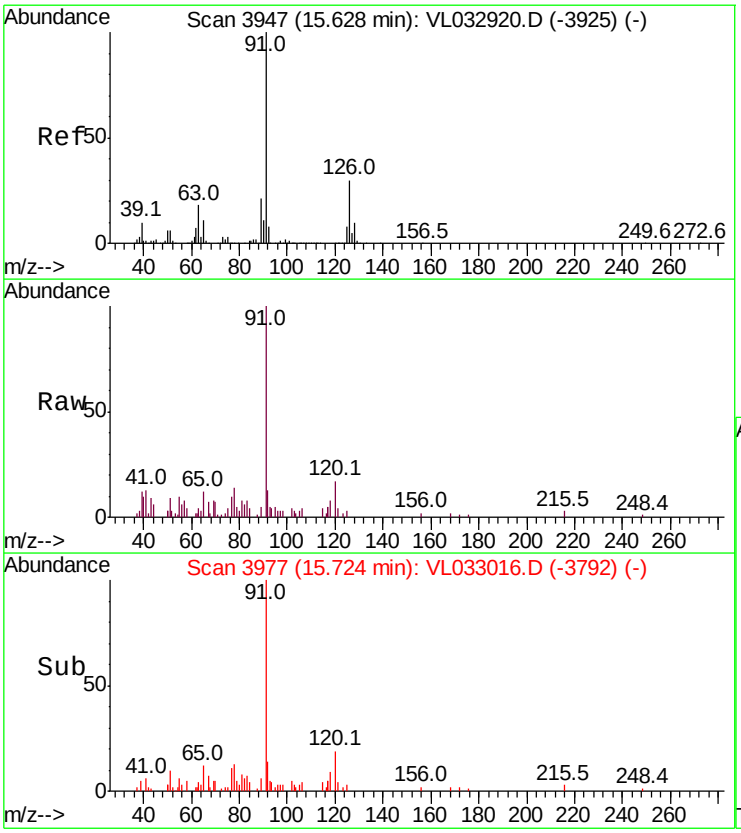
#68
1-Bromo-4-Fluorobenzene
Concen: 14.526 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2183392

Ion	Ratio	Lower	Upper
95	100		
174	66.4	51.4	77.0
175	4.8	3.8	5.6

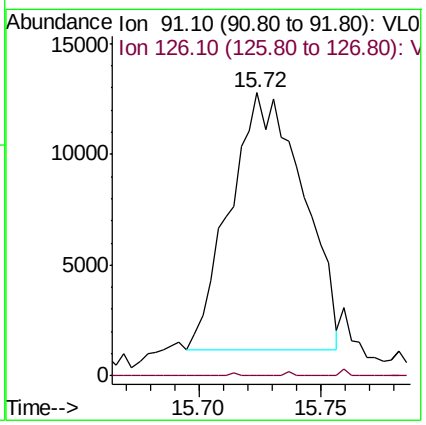


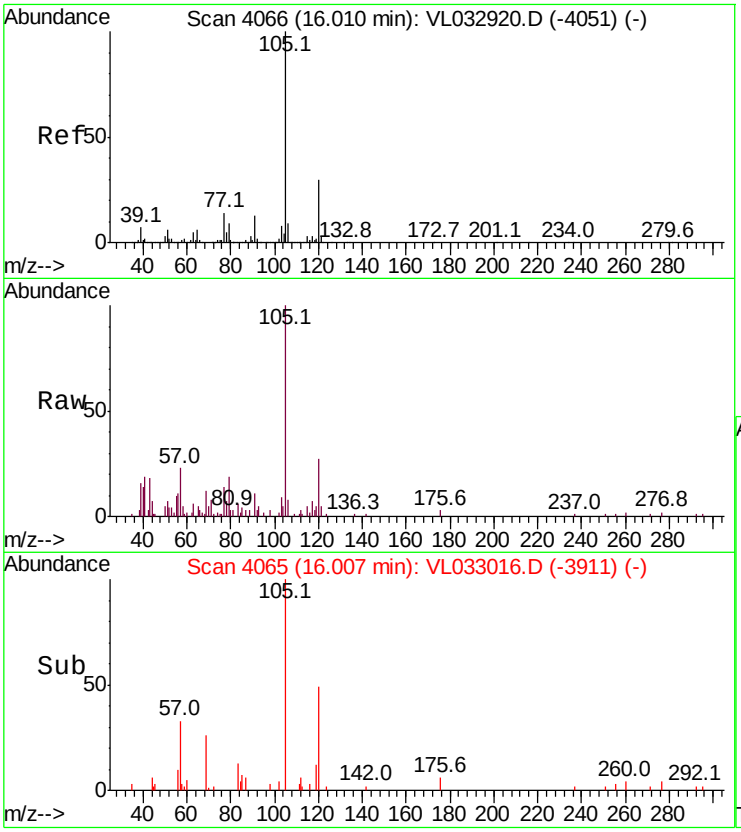


#71
2-Chlorotoluene
Concen: 0.117 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. 0.10 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Tgt Ion: 91 Resp: 24178

Ion	Ratio	Lower	Upper
91	100		
126	0.0	12.3	49.3#



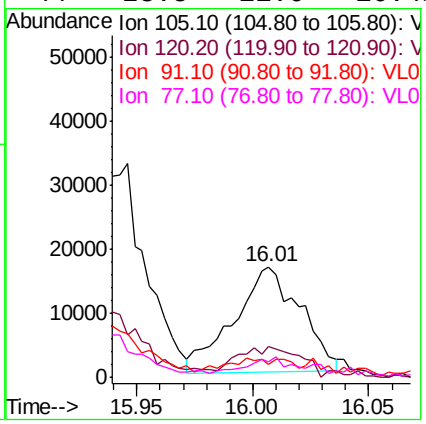


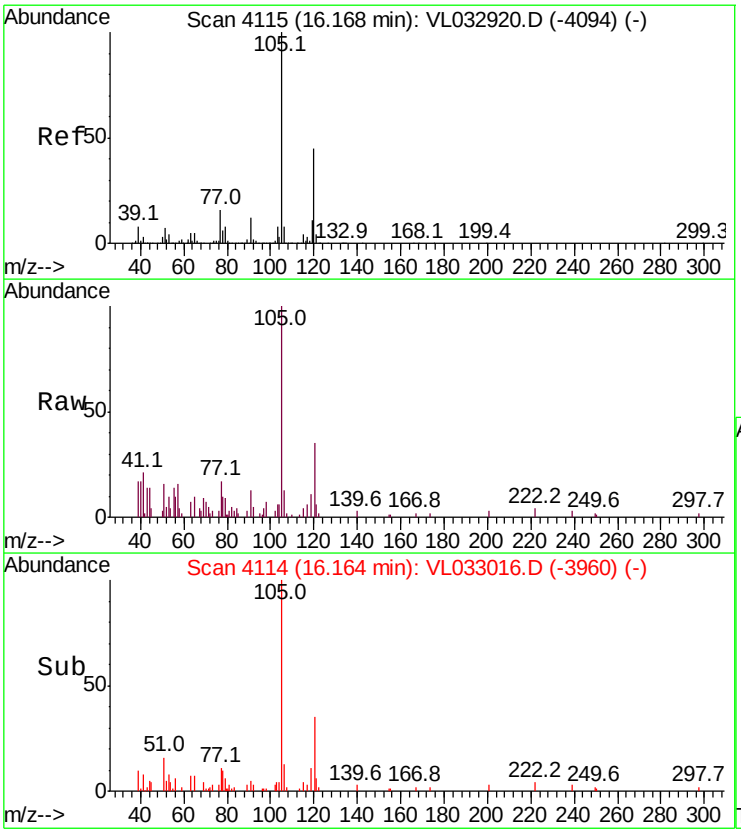
#72
4-Ethyltoluene
Concen: 0.147 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 32549

Ion	Ratio	Lower	Upper
105	100		
120	31.4	23.0	34.4
91	31.8	10.4	15.6#
77	23.5	11.0	16.4#

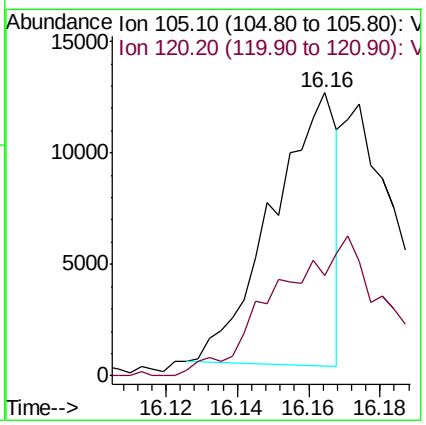


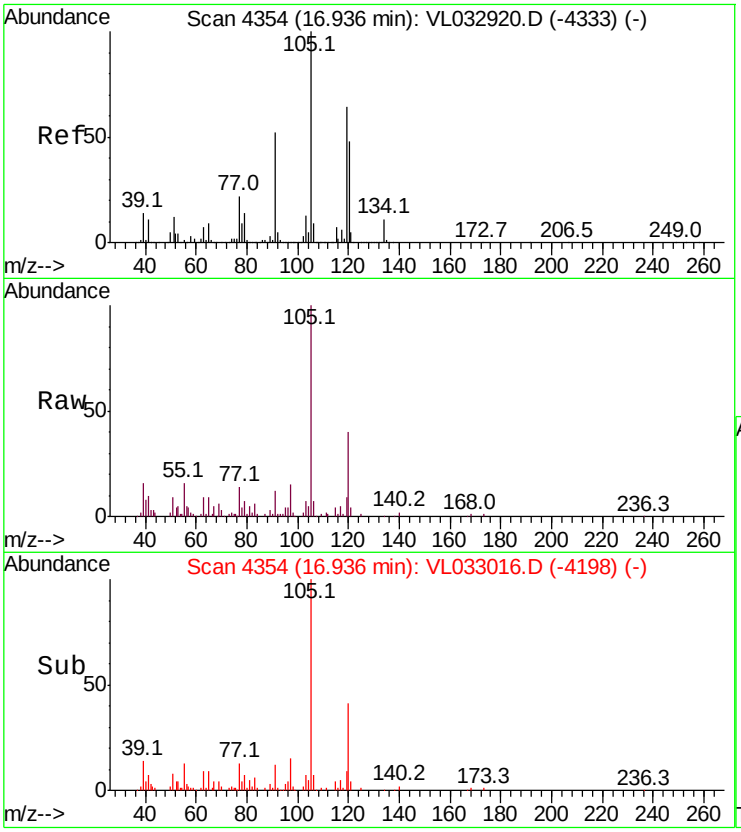


#73
1,3,5-Trimethylbenzene
Concen: 0.070 ppbv
RT: 16.16 min Scan# 4114
Delta R.T. -0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Tgt Ion:105 Resp: 15215

Ion	Ratio	Lower	Upper
105	100		
120	33.0	36.0	54.0#



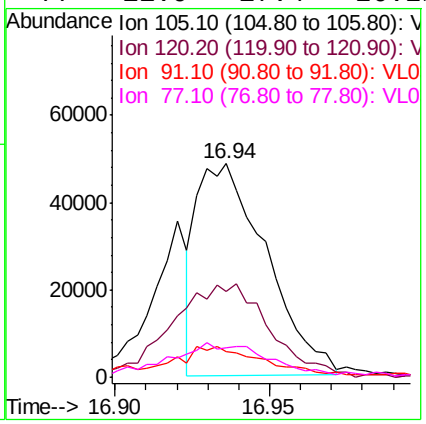


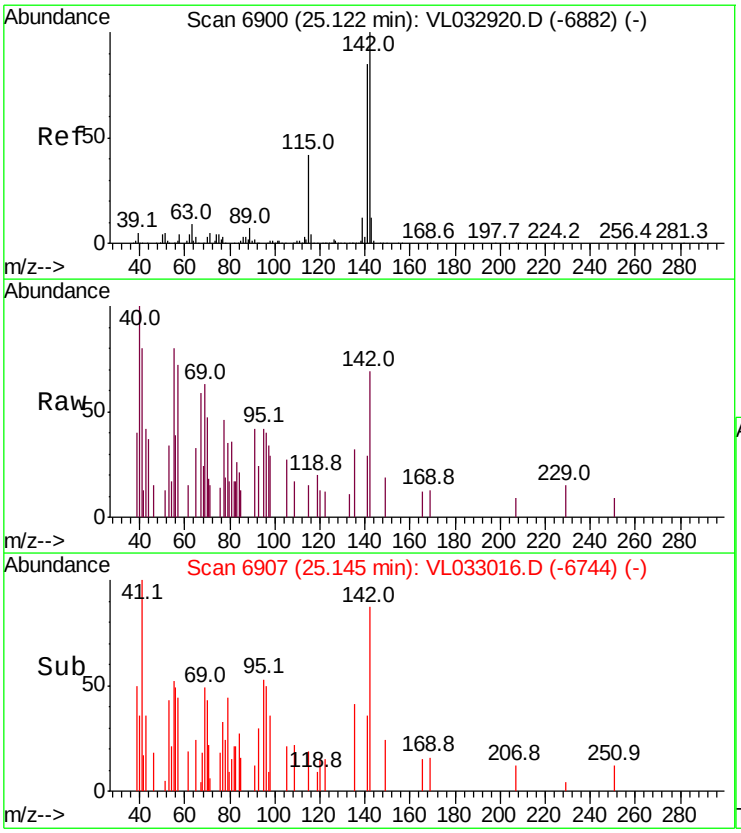
#74
1,2,4-Trimethylbenzene
Concen: 0.309 ppbv
RT: 16.94 min Scan# 4354
Delta R.T. -0.00 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 75475

Ion	Ratio	Lower	Upper
105	100		
120	39.6	38.6	58.0
91	10.3	41.7	62.5#
77	11.9	17.4	26.2#





#80
Naphthalene,2-methyl-
Concen: 0.035 ppbv
RT: 25.14 min Scan# 6907
Delta R.T. 0.02 min
Lab File: VL033016.D
Acq: 18 Dec 2018 4:27

Tgt Ion:142 Resp: 1191

Ion	Ratio	Lower	Upper
142	100		
141	67.2	68.2	102.2#
115	110.2	35.1	52.7#