Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121118\
Data File : VL032958.D
Acq On : 11 Dec 2018 17:22
Operator : SY/AP
Sample : J6338-02DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 12 00:51:09 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	1371081	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	3196876	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3159817	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2221511	9.52	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	90372	0.494	ppbv		92
3) Chlorodifluoromethane	3.02	51	55091	0.531	ppbv	#	90
4) Chloromethane	3.18	50	31194	0.516	ppbv		95
9) Propene	3.24	41	42424	1.033	ppbv		85
10) Heptane	8.25	43	4636	0.030	ppbv	#	21
11) Trichlorofluoromethane	4.01	101	38642	0.224	ppbv		94
12) 1,1,2-Trichlorotrifluoroet	4.55	101	11214	0.076	ppbv		95
13) Ethanol	3.66	45	2134960	151.022	ppbv		96
15) Acetone	3.90	43	718925	6.109	ppbv		97
19) Isopropyl Alcohol	4.04	45	28733	0.389	ppbv	#	1
20) Methylene Chloride	4.41	84	1657852	28.823	ppbv		98
21) Allyl Chloride	4.41	41	64881	0.677	ppbv	#	20
23) Vinyl Acetate	5.15	43	21246	0.107	ppbv	#	54
25) Ethyl Acetate	5.78	43	253290	0.911	ppbv	#	93
26) Hexane	5.78	57	204380	1.592	ppbv	#	64
29) Chloroform	5.85	83	53287	0.233	ppbv		91
34) 2-Butanone	5.33	43	593357	4.261	ppbv		99
36) Benzene	7.01	78	52932	0.225	ppbv		93
39) 1,2-Dichloropropane	7.30	63	780814	8.756	ppbv	#	21
41) Tetrahydrofuran	6.16	42	167409	1.933	ppbv		98
52) Tetrachloroethene	11.38	164	1398003	16.345	ppbv		98
53) Toluene	9.95	91	662461	2.656	ppbv		98
58) Ethyl Benzene	12.86	91	14322	0.042	ppbv		96
59) m/p-Xylene	13.16	91	17913	0.059	ppbv	#	100
60) o-Xylene	13.86	91	38305	0.124	ppbv		94
73) 1,3,5-Trimethylbenzene	16.16	105	28427	0.085	ppbv		100
74) 1,2,4-Trimethylbenzene	16.94	105	141777	0.373	ppbv	#	63
79) Naphthalene	22.42	128	22852	0.093	ppbv		99
80) Naphthalene,2-methyl-	25.13	142	9184	0.175	ppbv	#	52

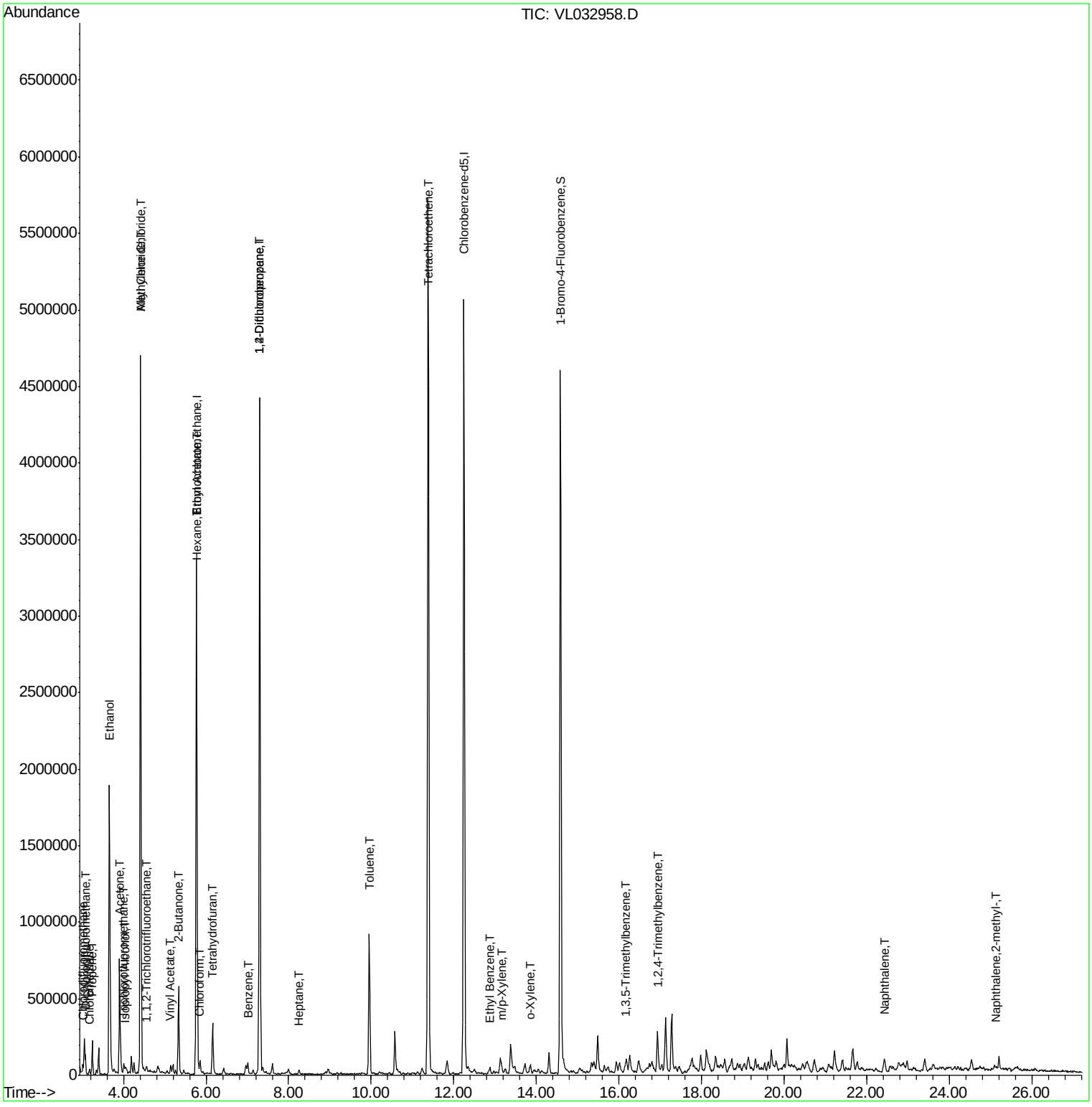
(#) = qualifier out of range (m) = manual integration (+) = signals summed

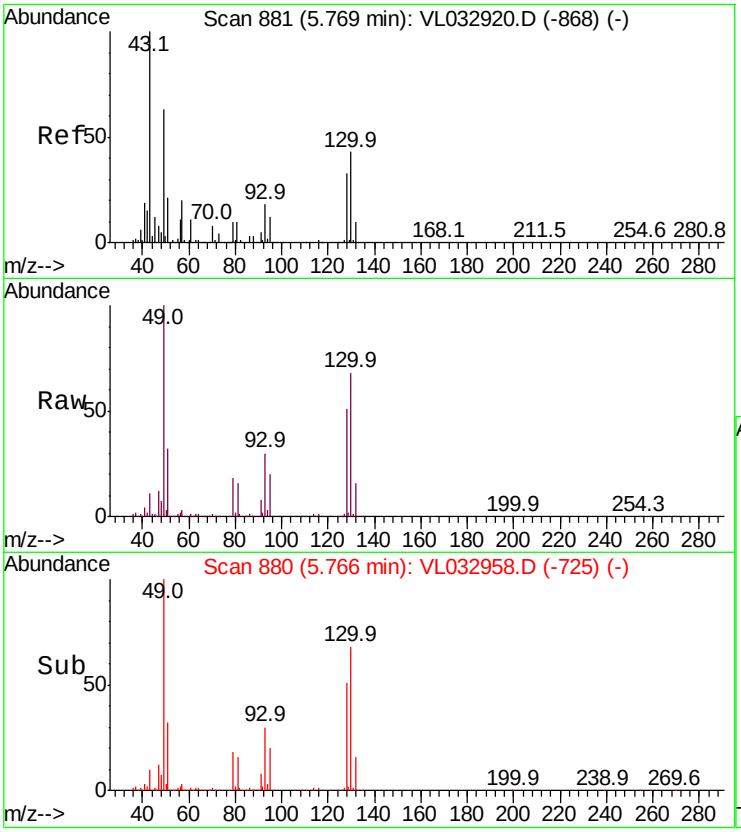
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121118\
Data File : VL032958.D
Acq On : 11 Dec 2018 17:22
Operator : SY/AP
Sample : J6338-02DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 12 00:51:09 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



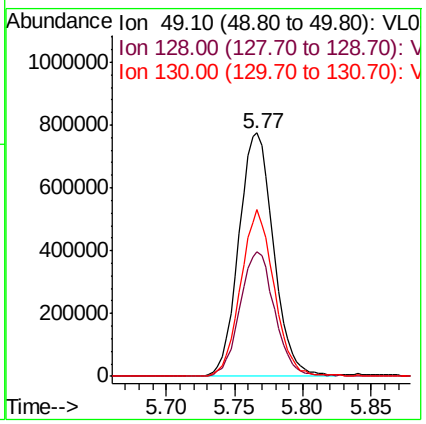


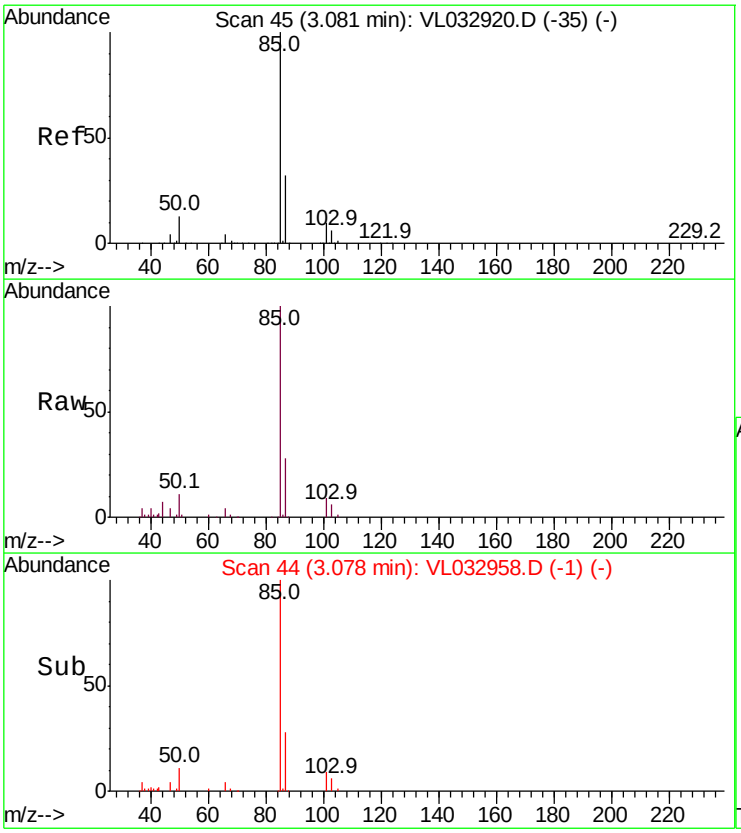
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1371081

Ion	Ratio	Lower	Upper
49	100		
128	51.5	26.3	78.8
130	66.5	33.9	101.7

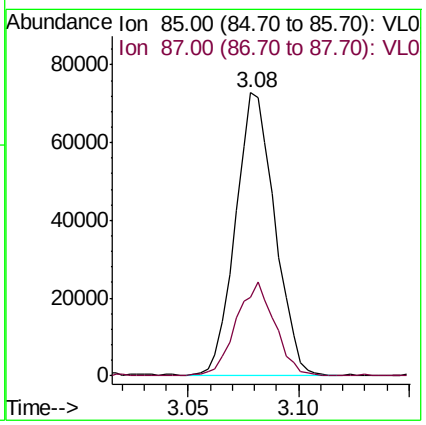


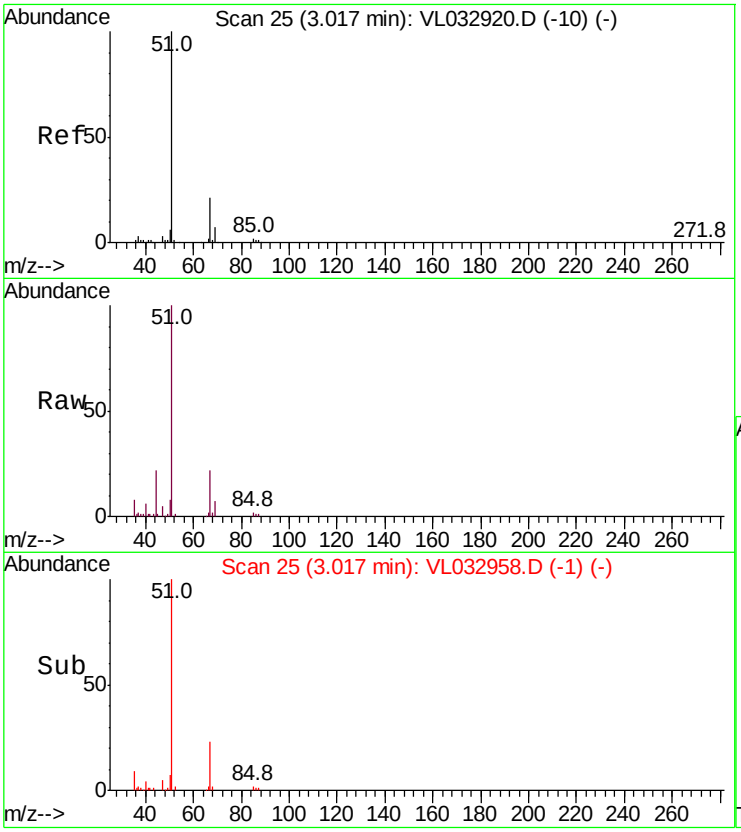


#2
Dichlorodifluoromethane
Concen: 0.494 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Tgt Ion: 85 Resp: 90372

Ion	Ratio	Lower	Upper
85	100		
87	27.6	25.7	38.5



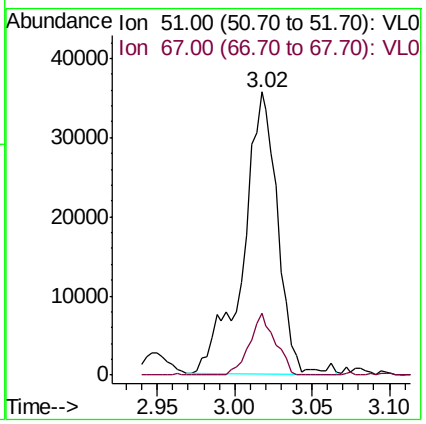


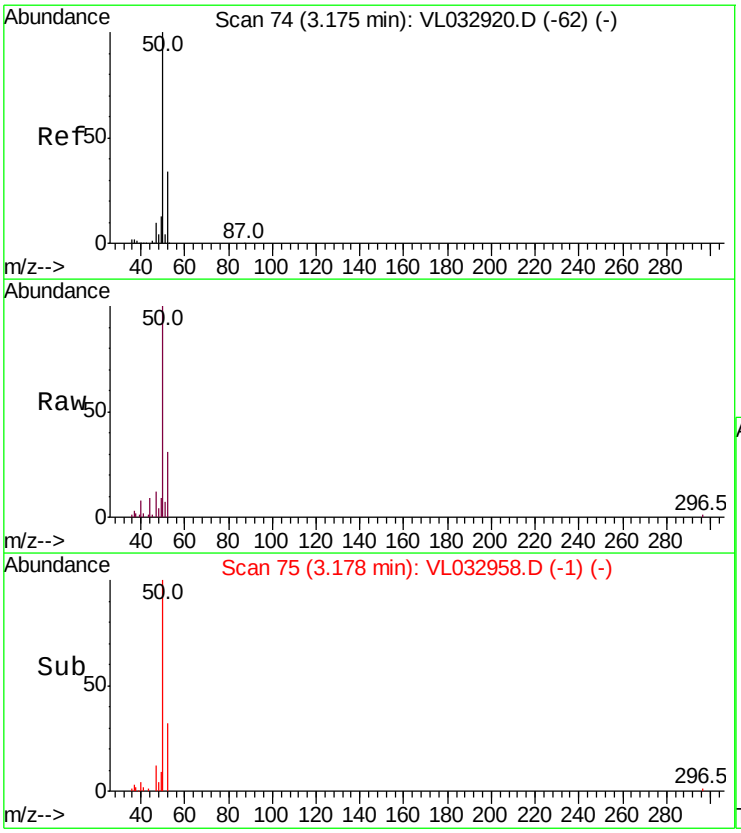
#3
Chlorodifluoromethane
Concen: 0.531 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 55091

Ion	Ratio	Lower	Upper
51	100		
67	16.4	16.8	25.2#

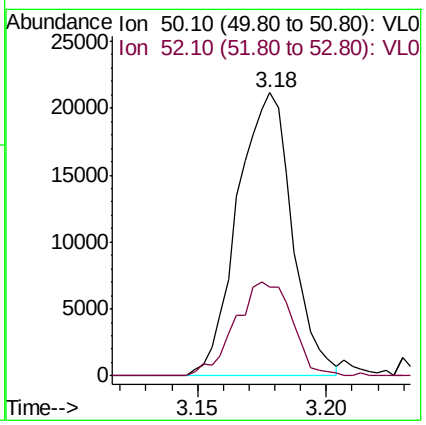


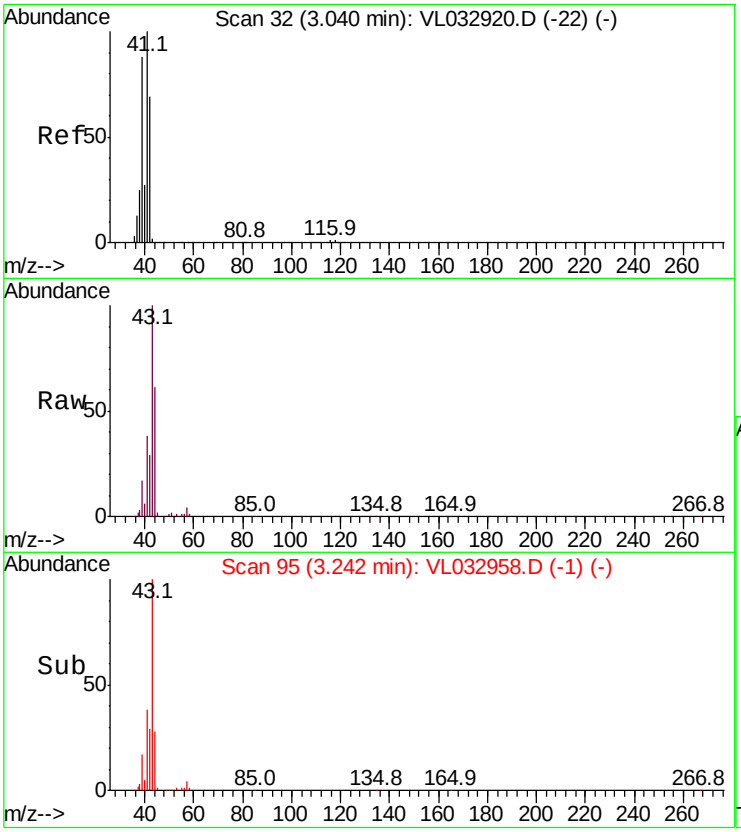


#4
Chloromethane
Concen: 0.516 ppbv
RT: 3.18 min Scan# 75
Delta R.T. 0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Tgt Ion: 50 Resp: 31194

Ion	Ratio	Lower	Upper
50	100		
52	31.3	27.3	40.9



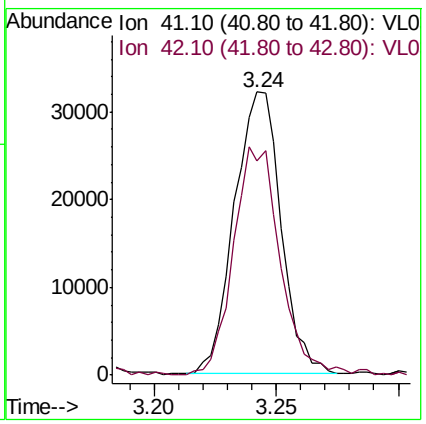


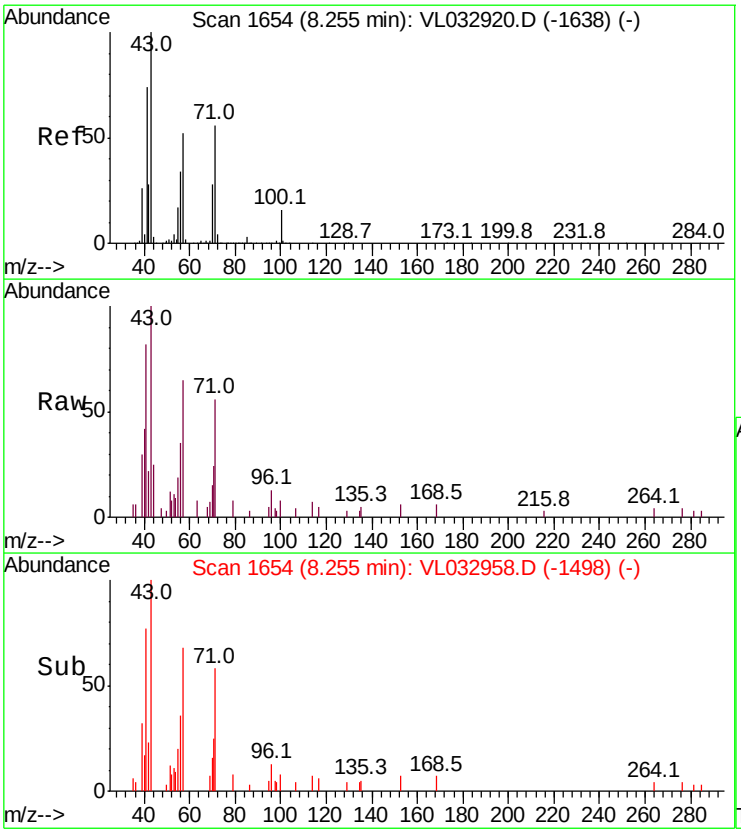
#9
Propene
Concen: 1.033 ppbv
RT: 3.24 min Scan# 95
Delta R.T. 0.20 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 42424

Ion	Ratio	Lower	Upper
41	100		
42	82.2	56.2	84.2

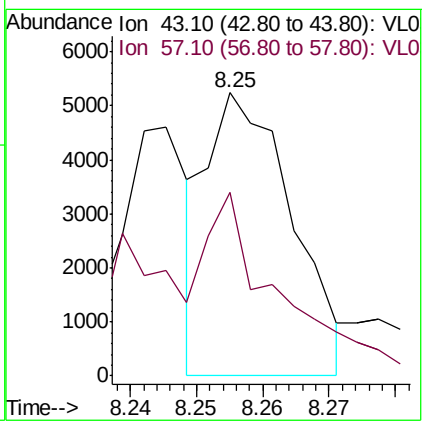


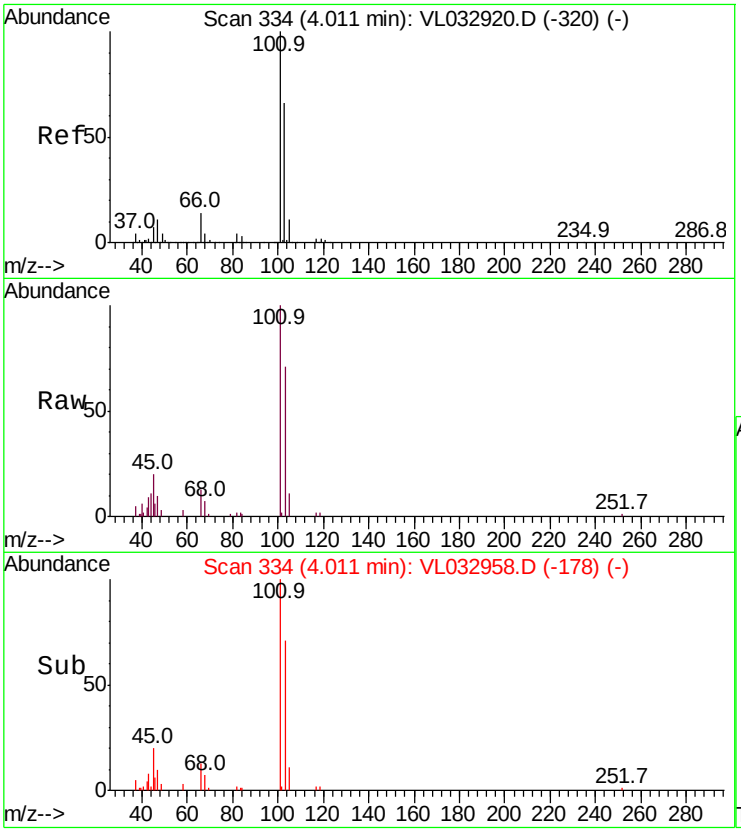


#10
Heptane
Concen: 0.030 ppbv
RT: 8.25 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Tgt Ion: 43 Resp: 4636

Ion	Ratio	Lower	Upper
43	100		
57	107.9	41.8	62.6#



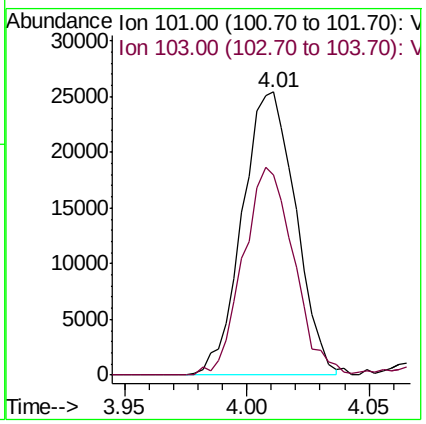


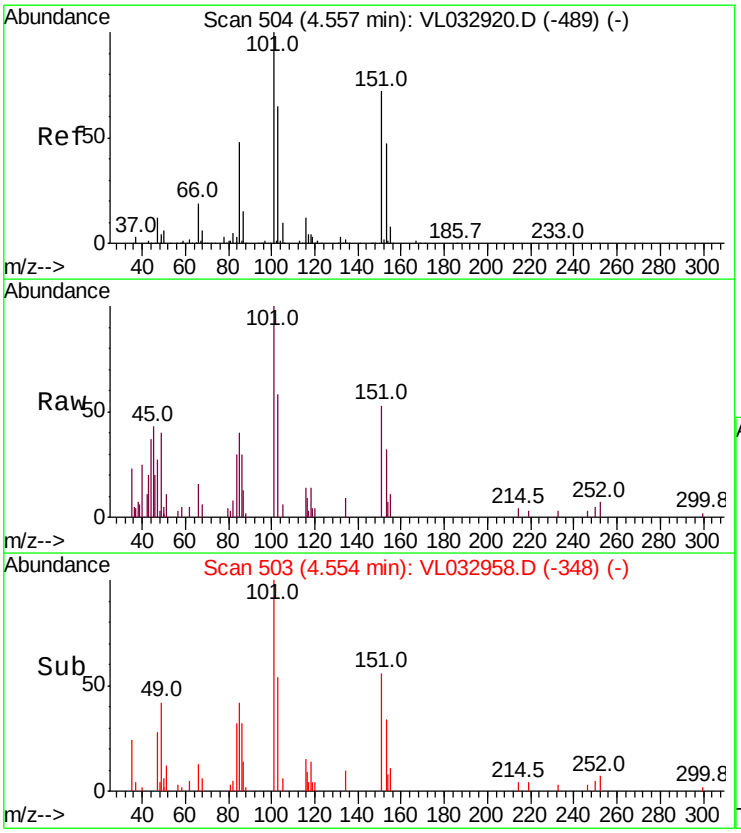
#11
Trichlorofluoromethane
Concen: 0.224 ppbv
RT: 4.01 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 38642

Ion	Ratio	Lower	Upper
101	100		
103	70.9	52.7	79.1

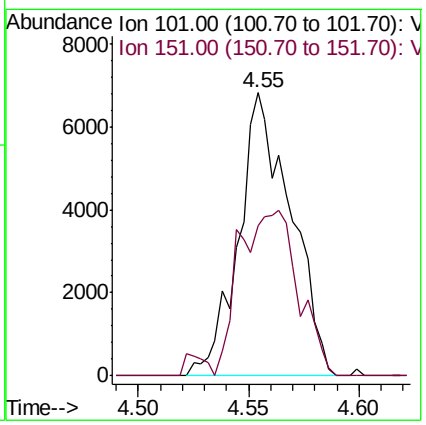


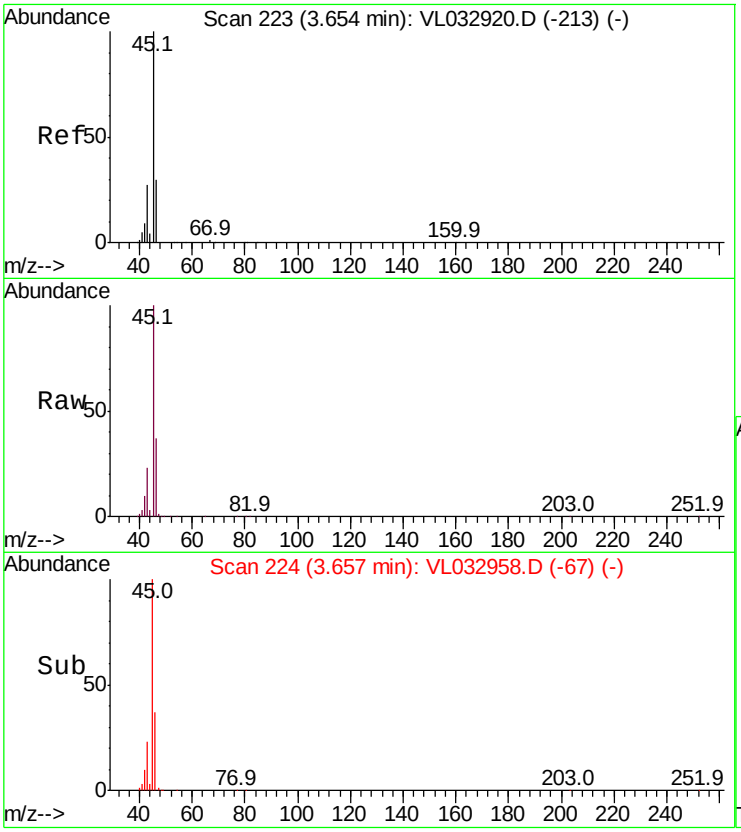


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.076 ppbv
RT: 4.55 min Scan# 503
Delta R.T. -0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Tgt Ion:101 Resp: 11214

Ion	Ratio	Lower	Upper
101	100		
151	69.6	59.3	88.9



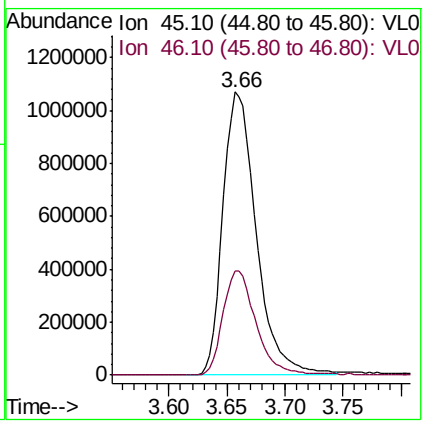


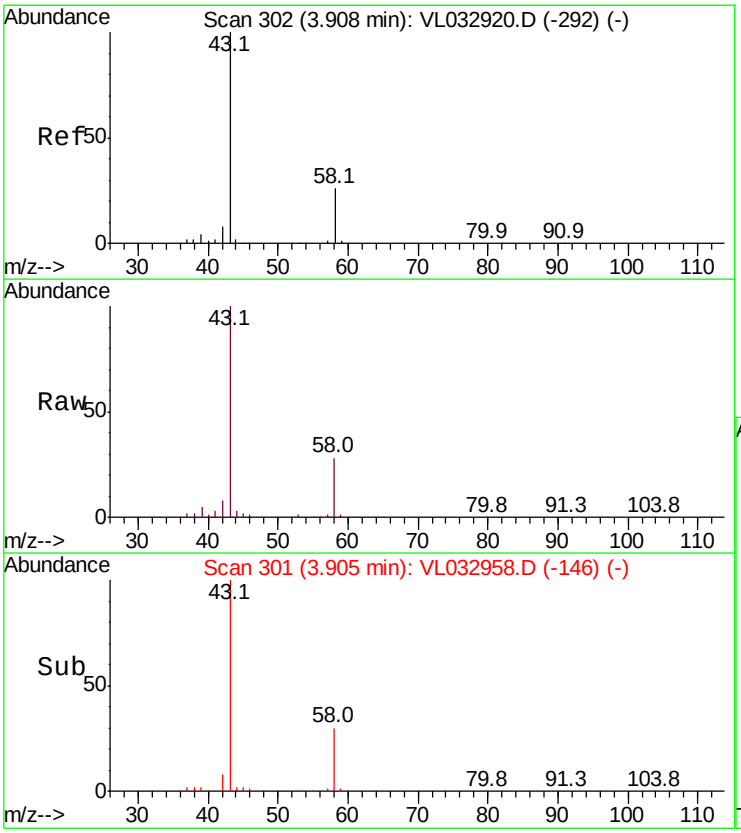
#13
Ethanol
Concen: 151.022 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 2134960

Ion	Ratio	Lower	Upper
45	100		
46	37.0	13.8	55.4

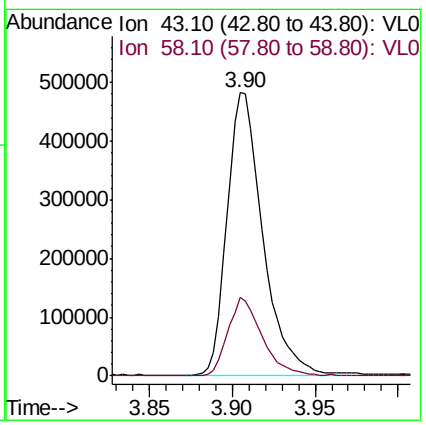


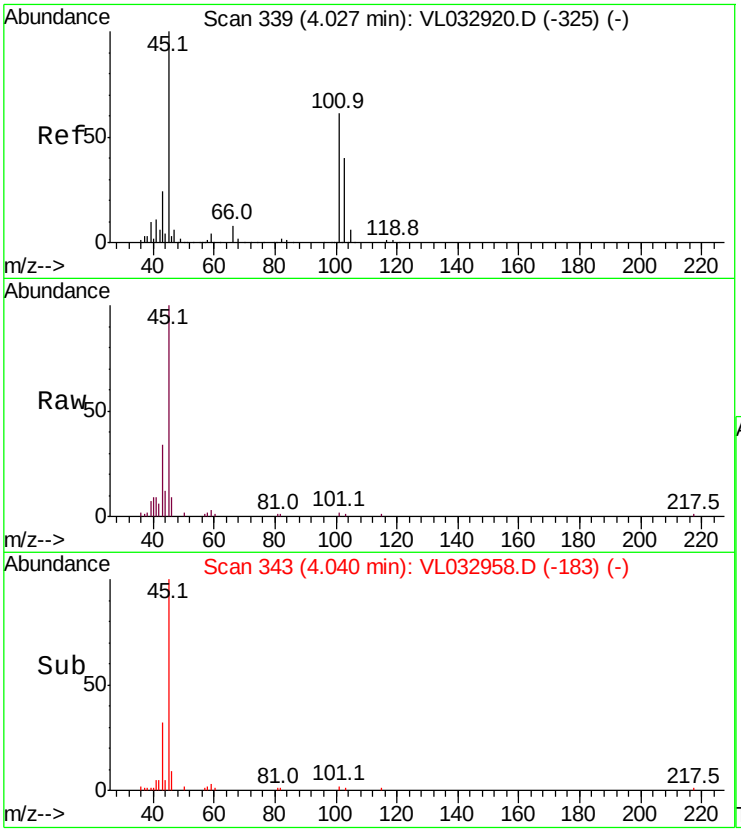


#15
Acetone
Concen: 6.109 ppbv
RT: 3.90 min Scan# 301
Delta R.T. -0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Tgt Ion: 43 Resp: 718925

Ion	Ratio	Lower	Upper
43	100		
58	27.1	20.6	30.8



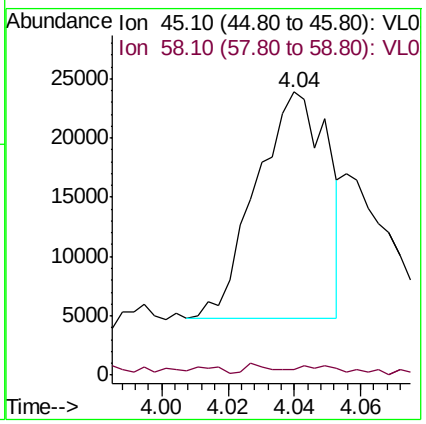


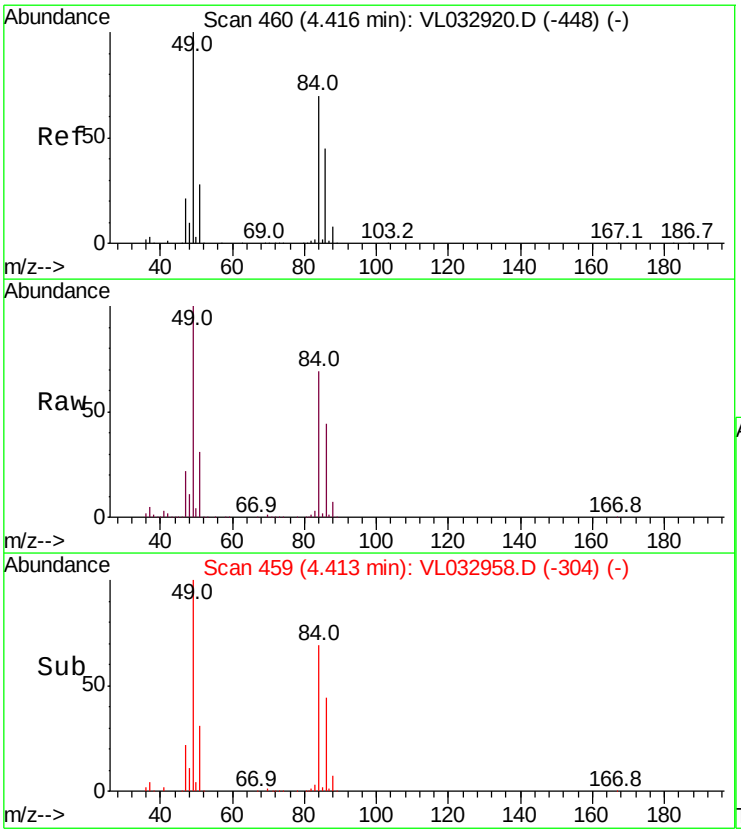
#19
Isopropyl Alcohol
Concen: 0.389 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.01 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 28733

Ion	Ratio	Lower	Upper
45	100		
58	675.1	1.4	2.2#

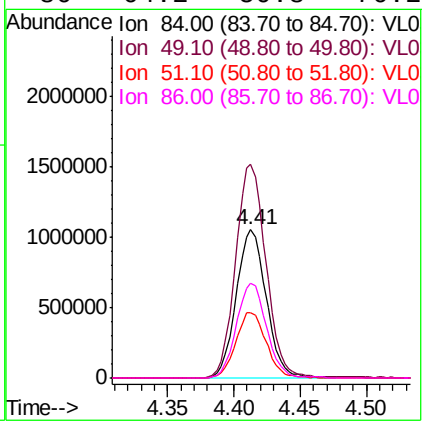


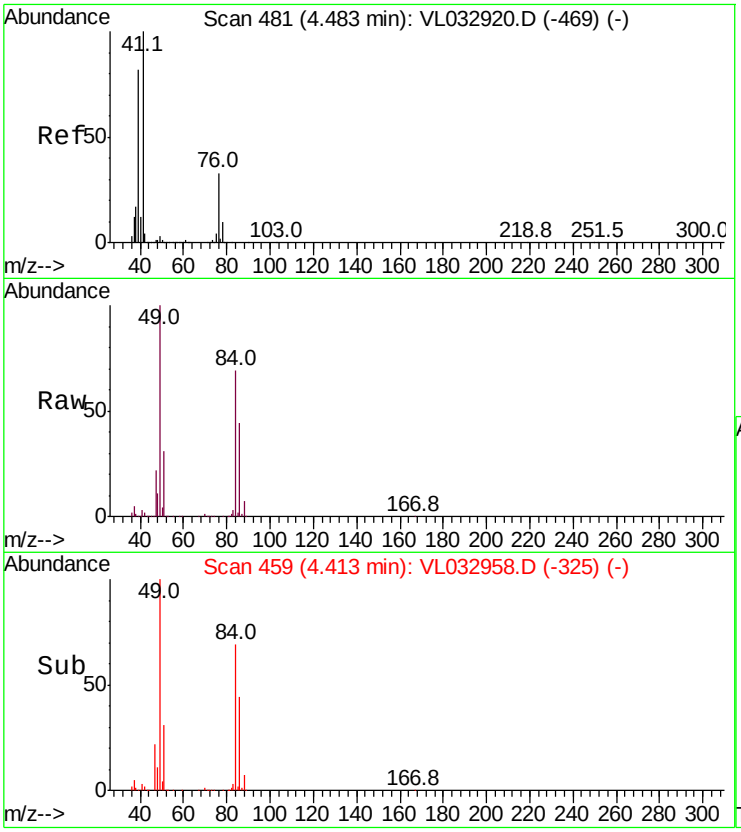


#20
Methylene Chloride
Concen: 28.823 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Tgt Ion: 84 Resp: 1657852

Ion	Ratio	Lower	Upper
84	100		
49	144.3	113.8	170.8
51	44.3	31.8	47.8
86	64.2	50.8	76.2



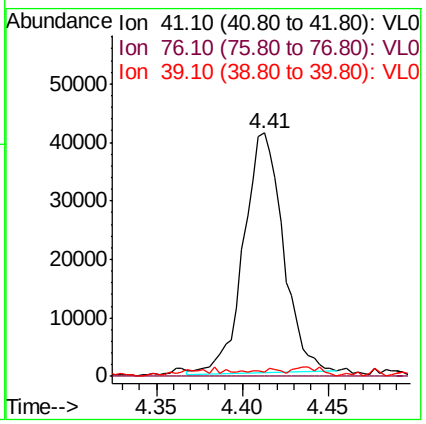


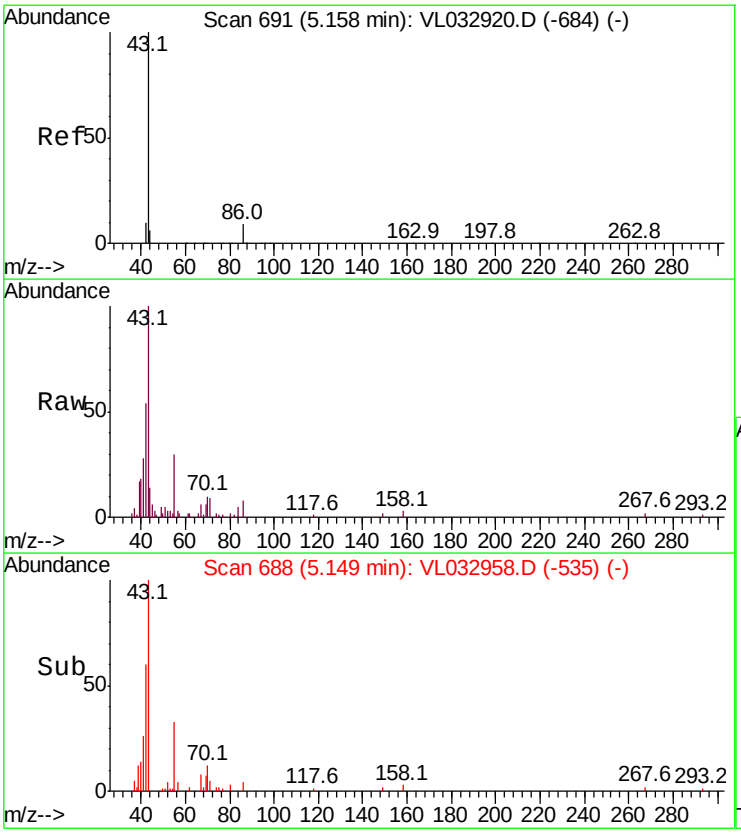
#21
Allyl Chloride
Concen: 0.677 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.07 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 64881

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.2	37.8#
39	2.6	65.2	97.8#

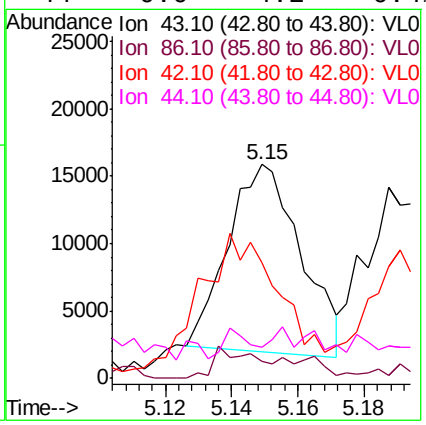


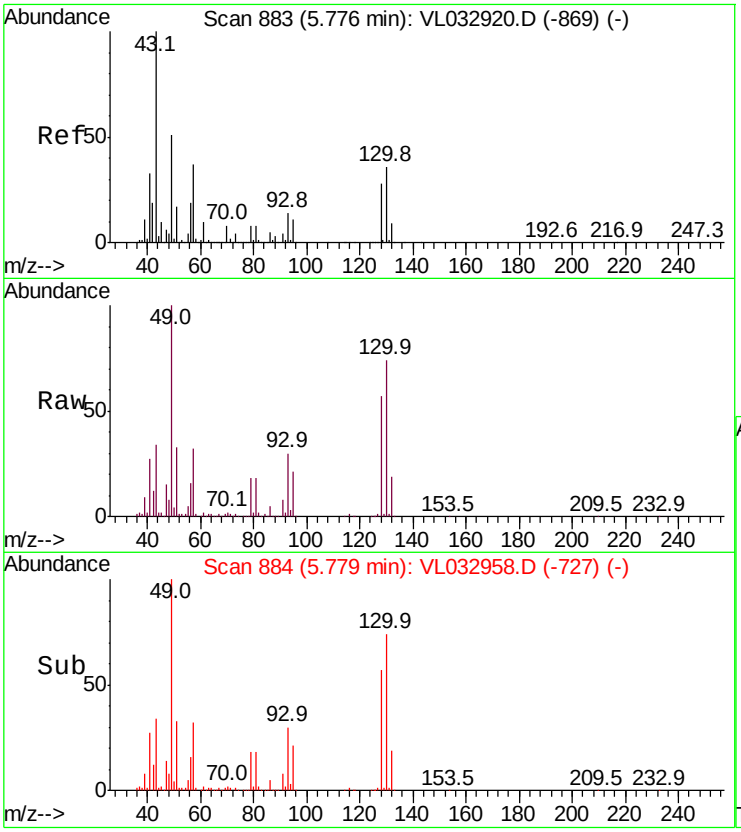


#23
Vinyl Acetate
Concen: 0.107 ppbv
RT: 5.15 min Scan# 688
Delta R.T. -0.01 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Tgt Ion: 43 Resp: 21246

Ion	Ratio	Lower	Upper
43	100		
86	9.3	6.6	9.8
42	45.9	8.3	12.5#
44	0.0	4.2	6.4#



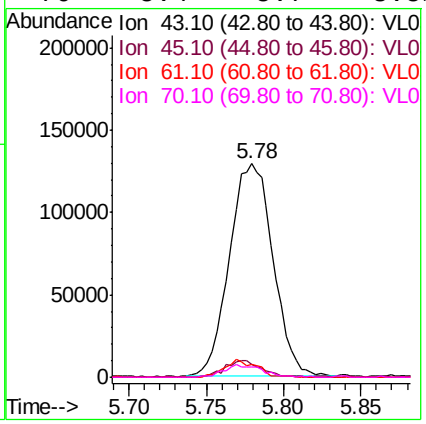


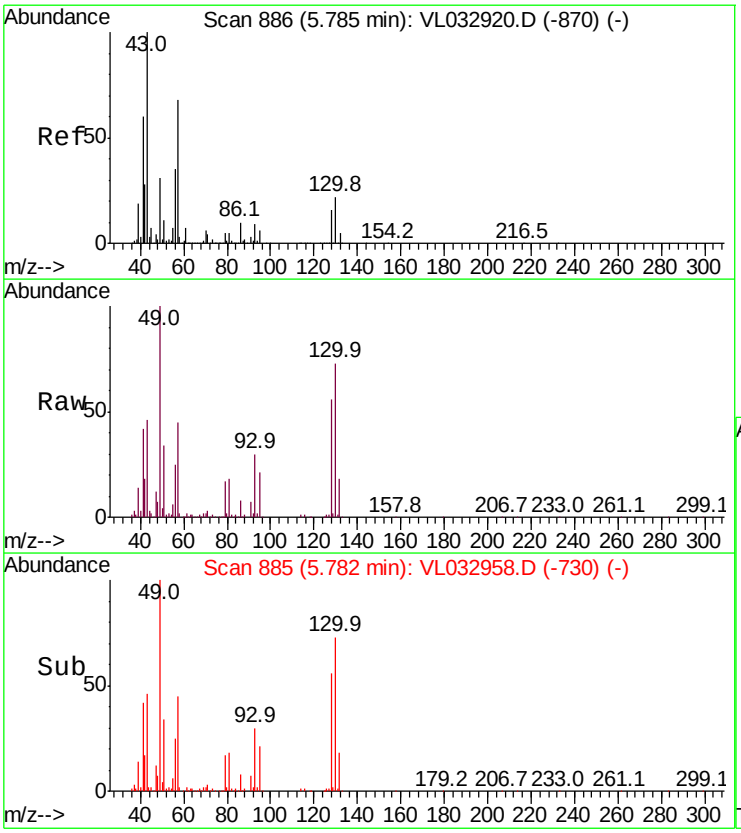
#25
Ethyl Acetate
Concen: 0.911 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 253290

Ion	Ratio	Lower	Upper
43	100		
45	6.7	7.8	11.6#
61	6.3	7.4	11.2#
70	5.4	5.7	8.5#

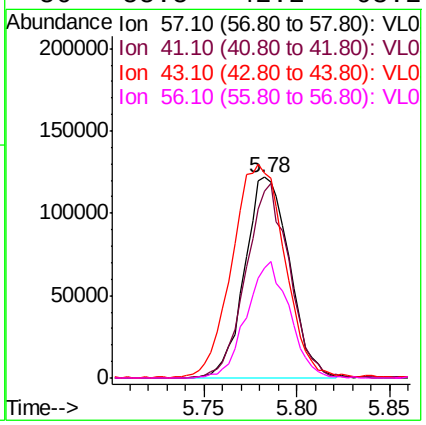


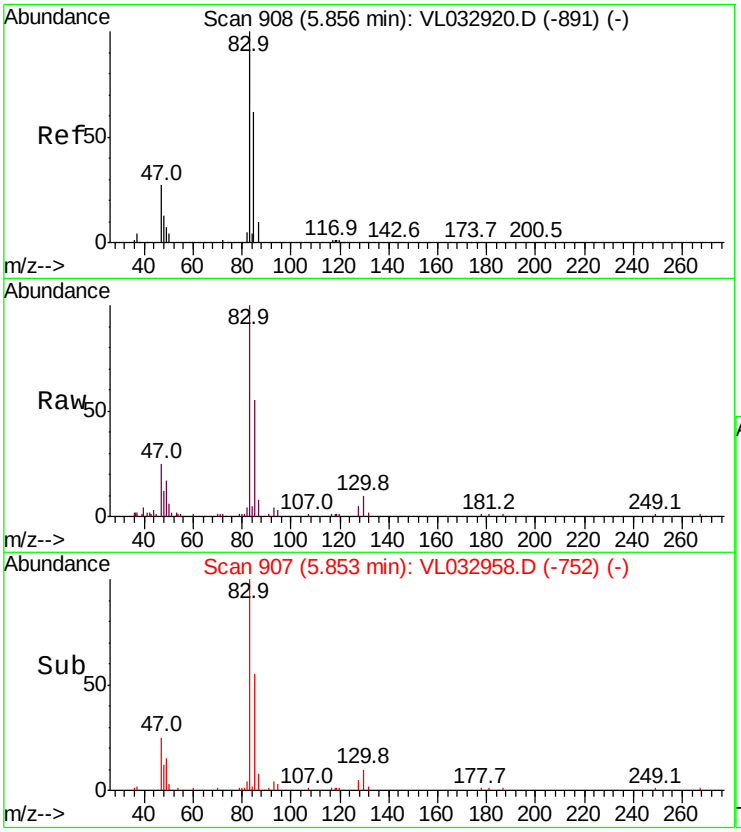


#26
Hexane
Concen: 1.592 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Tgt Ion: 57 Resp: 204380

Ion	Ratio	Lower	Upper
57	100		
41	95.2	72.2	108.2
43	124.6	171.9	257.9#
56	55.5	42.2	63.2



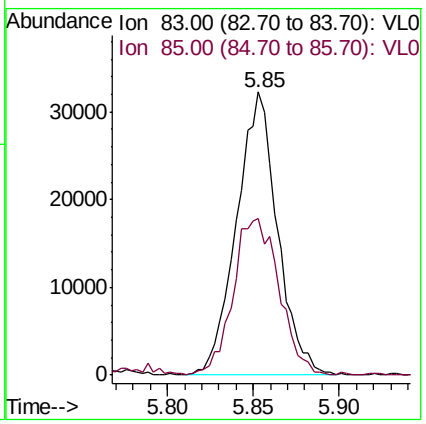


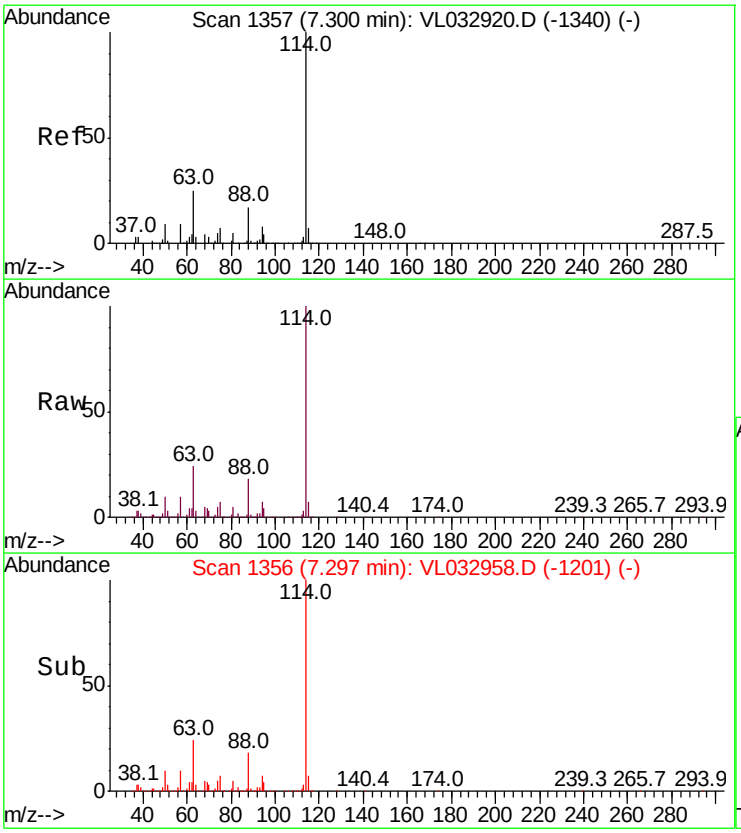
#29
Chloroform
Concen: 0.233 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 53287

Ion	Ratio	Lower	Upper
83	100		
85	55.4	49.8	74.8

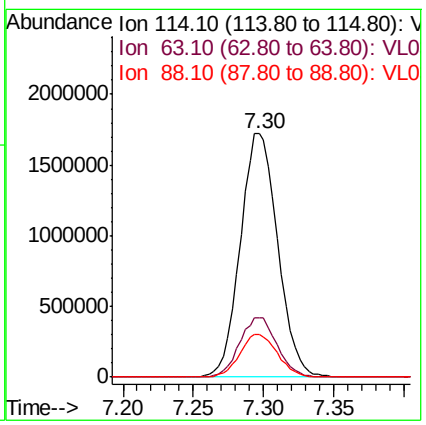


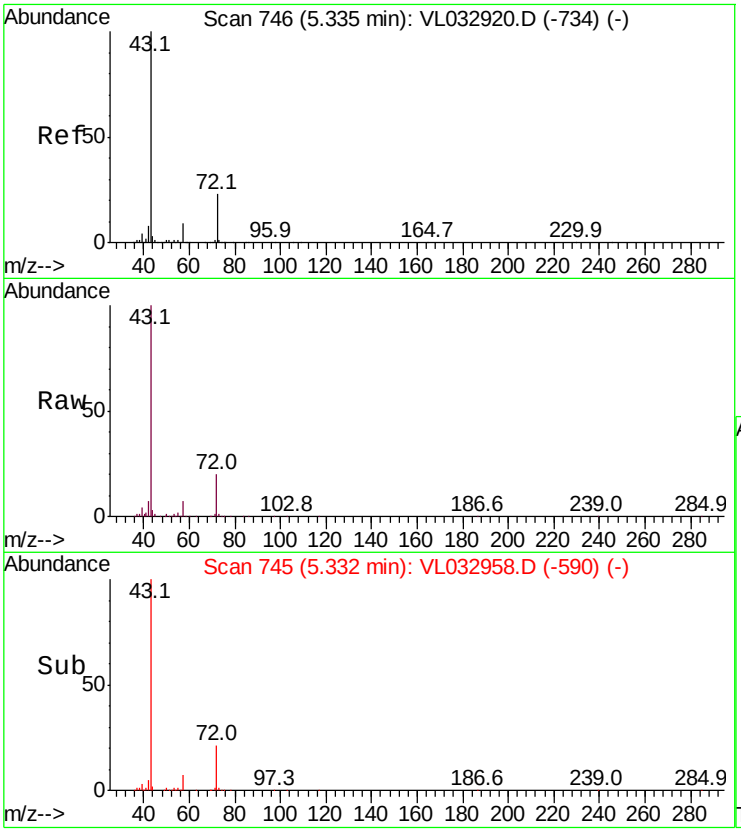


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Tgt Ion:114 Resp: 3196876

Ion	Ratio	Lower	Upper
114	100		
63	24.6	20.1	30.1
88	17.6	14.2	21.4



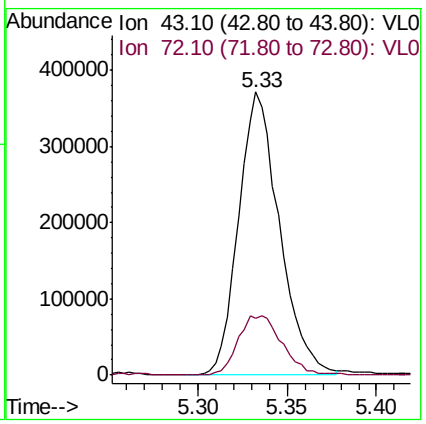


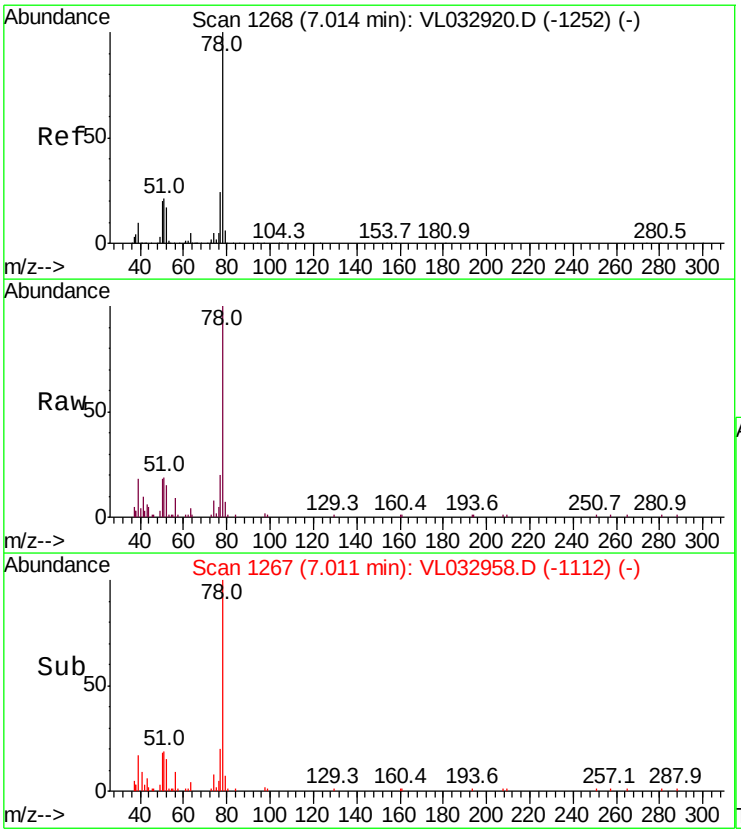
#34
2-Butanone
Concen: 4.261 ppbv
RT: 5.33 min Scan# 745
Delta R.T. -0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 593357

Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.8	28.2

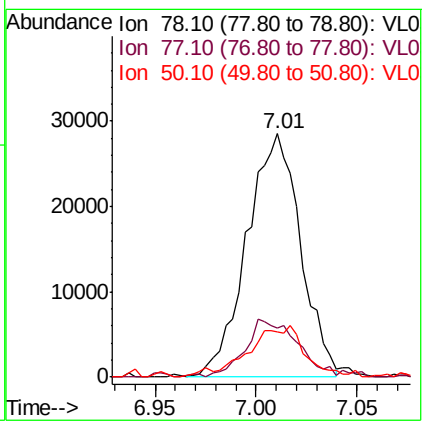


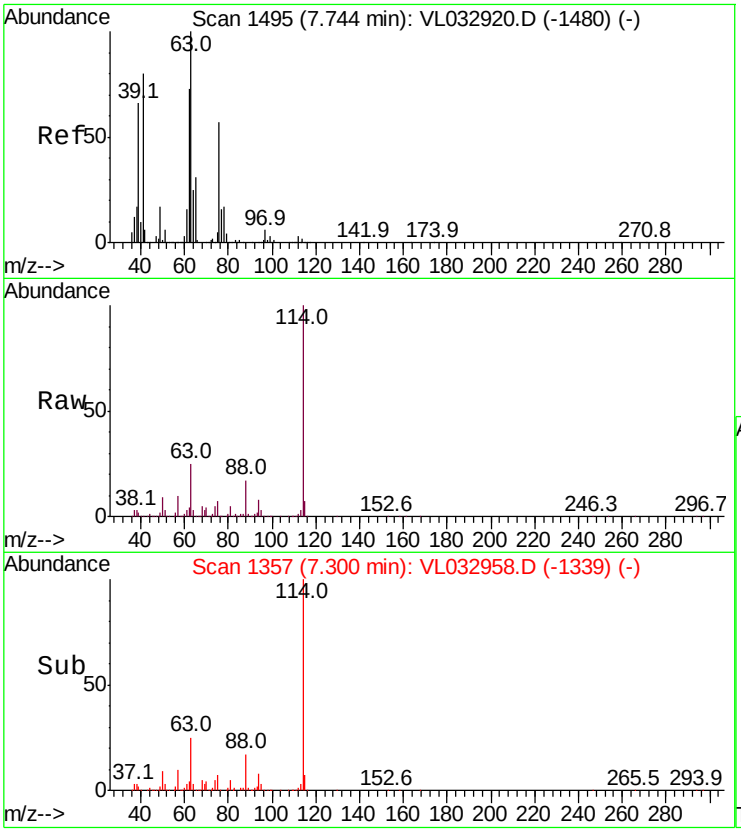


#36
Benzene
Concen: 0.225 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Tgt Ion: 78 Resp: 52932

Ion	Ratio	Lower	Upper
78	100		
77	19.5	18.9	28.3
50	17.9	16.1	24.1



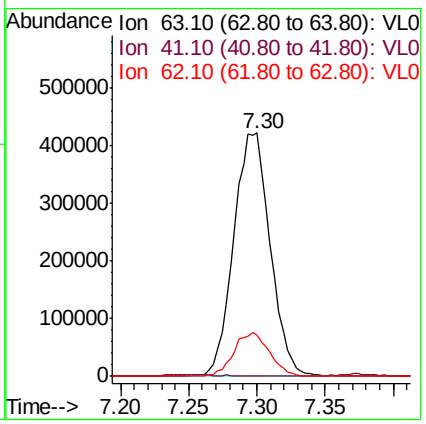


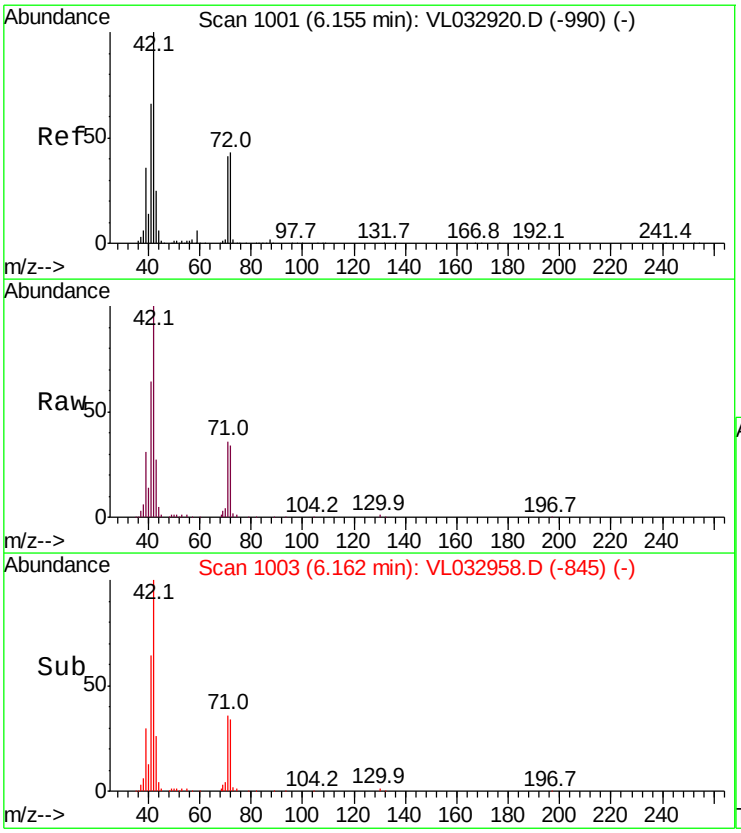
#39
1,2-Dichloropropane
Concen: 8.756 ppbv
RT: 7.30 min Scan# 1357
Delta R.T. -0.44 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 780814

Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.9	95.9#
62	17.0	58.8	88.2#

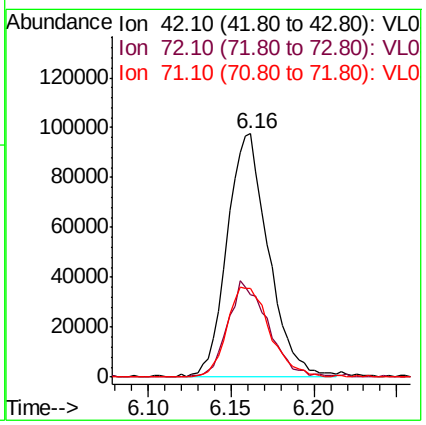


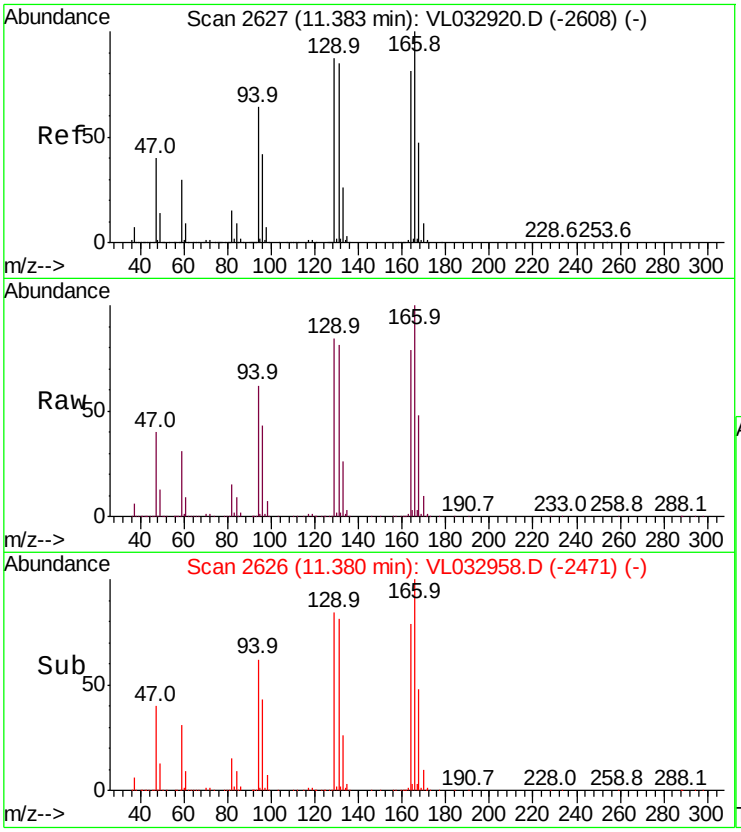


#41
Tetrahydrofuran
Concen: 1.933 ppbv
RT: 6.16 min Scan# 1003
Delta R.T. 0.01 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Tgt Ion: 42 Resp: 167409

Ion	Ratio	Lower	Upper
42	100		
72	39.2	32.9	49.3
71	39.1	32.0	48.0



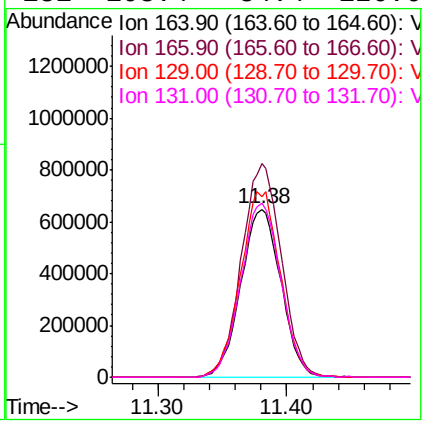


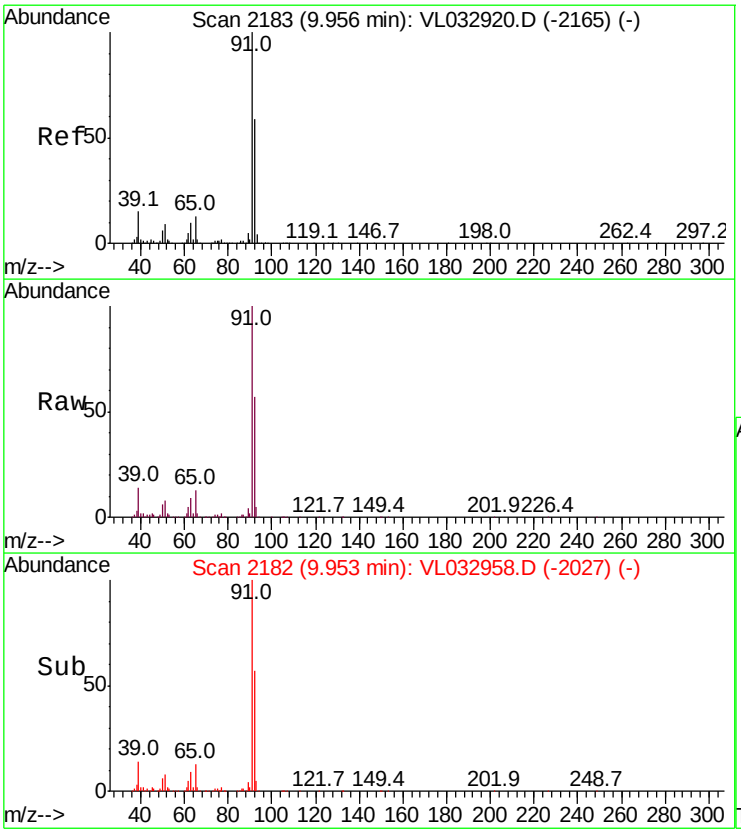
#52
Tetrachloroethene
Concen: 16.345 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:164 Resp: 1398003

Ion	Ratio	Lower	Upper
164	100		
166	127.2	98.8	148.2
129	107.4	85.5	128.3
131	103.4	84.4	126.6

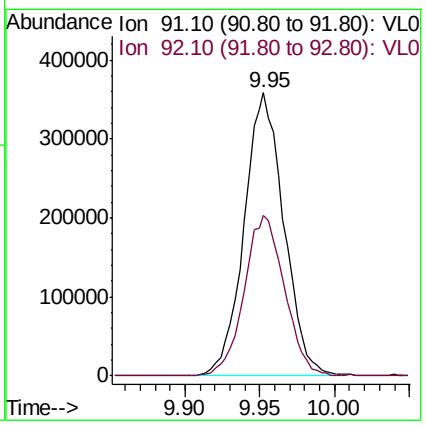


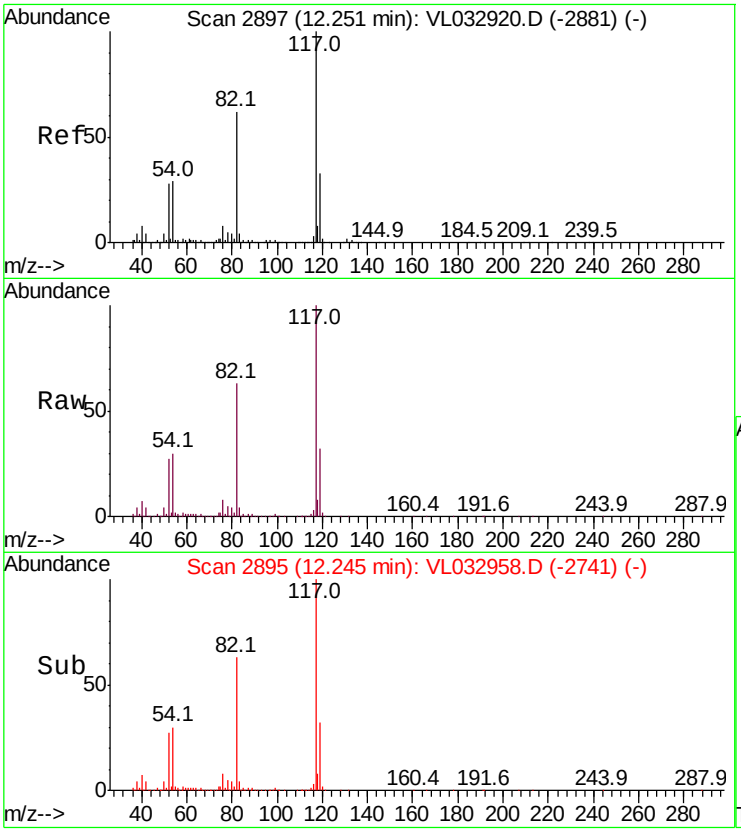


#53
Toluene
Concen: 2.656 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. -0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Tgt Ion: 91 Resp: 662461

Ion	Ratio	Lower	Upper
91	100		
92	57.5	47.4	71.0



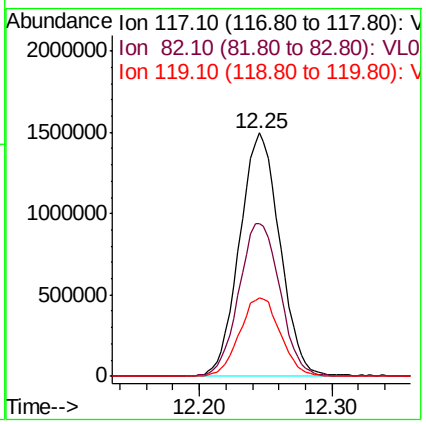


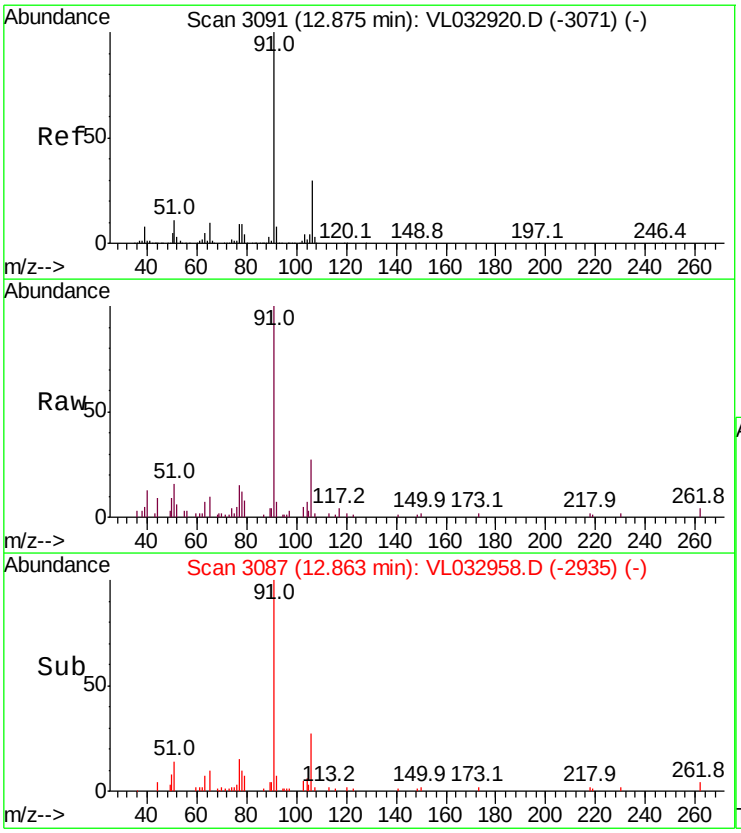
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3159817

Ion	Ratio	Lower	Upper
117	100		
82	64.5	47.8	71.8
119	32.8	43.1	64.7#

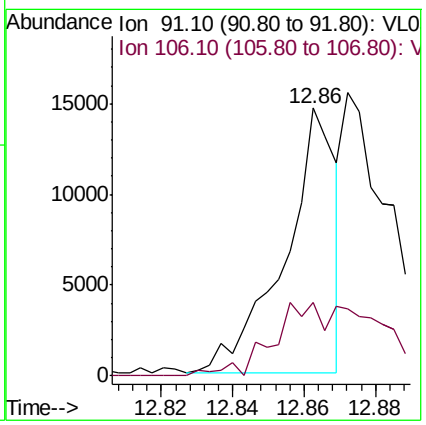


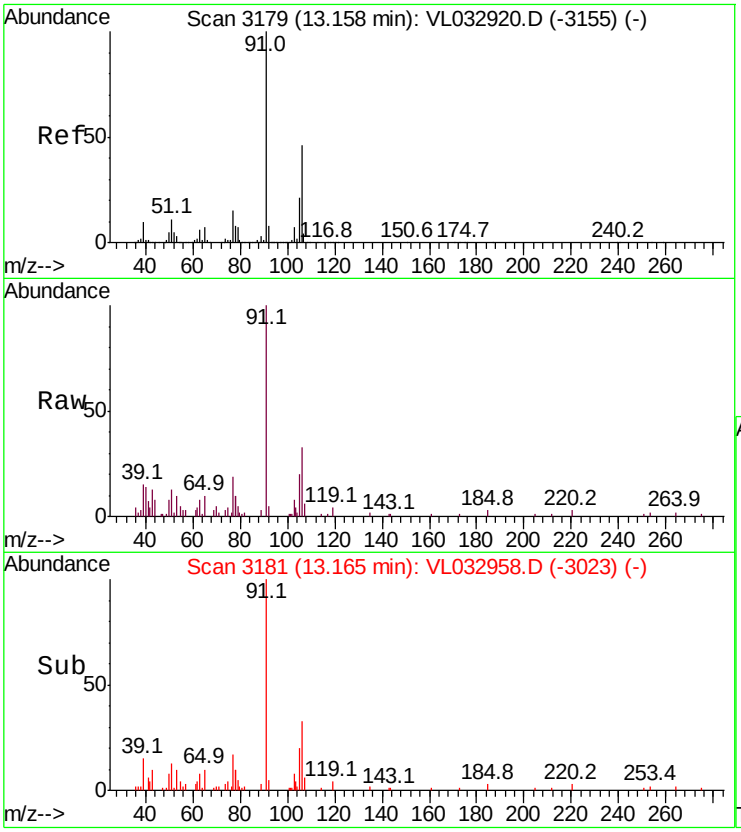


#58
Ethyl Benzene
Concen: 0.042 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Tgt Ion: 91 Resp: 14322

Ion	Ratio	Lower	Upper
91	100		
106	27.6	23.9	35.9



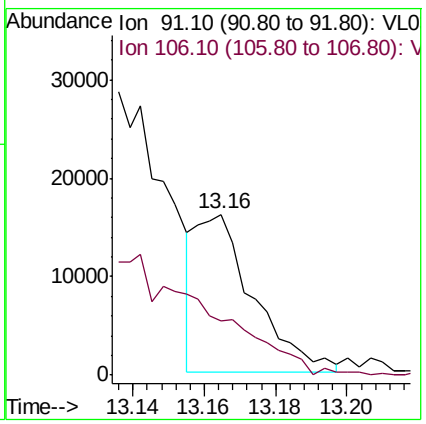


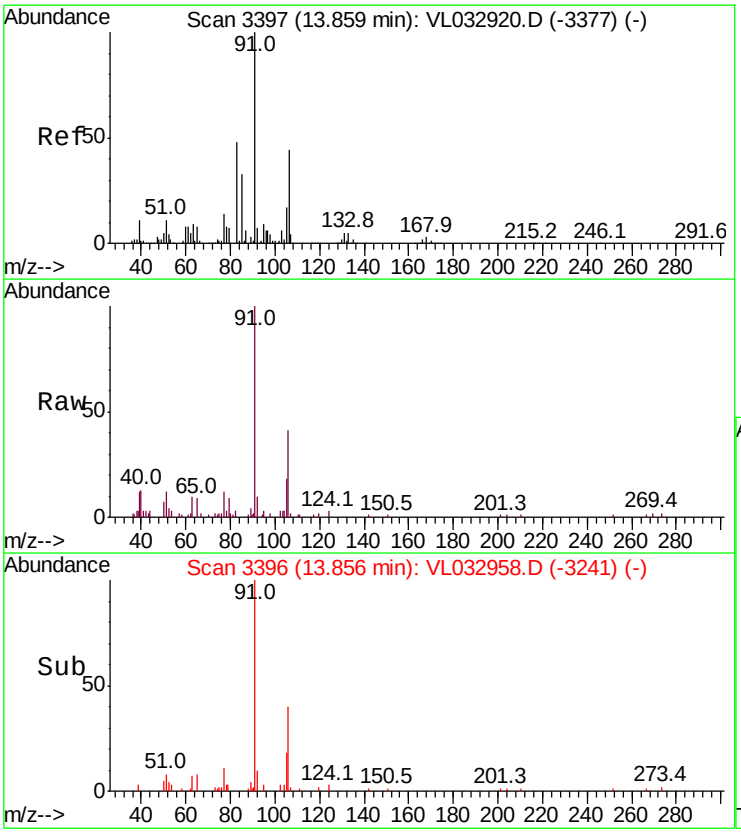
#59
m/p-Xylene
Concen: 0.059 ppbv
RT: 13.16 min Scan# 3181
Delta R.T. 0.01 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 17913

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

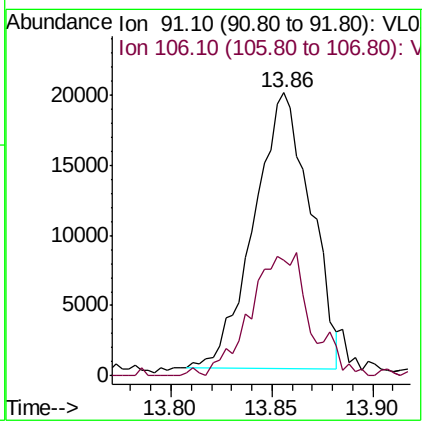


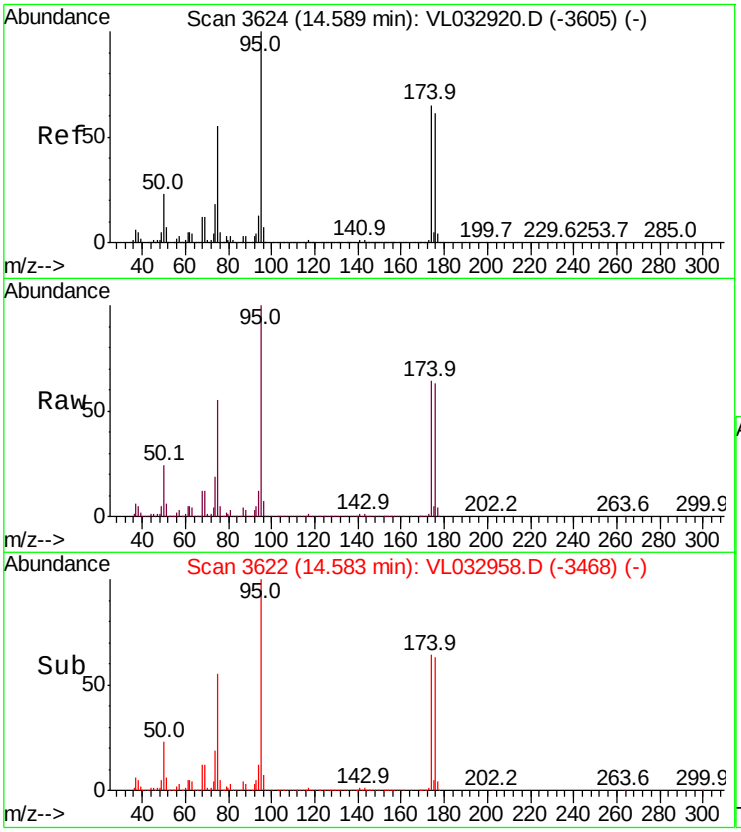


#60
o-Xylene
Concen: 0.124 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Tgt Ion: 91 Resp: 38305

Ion	Ratio	Lower	Upper
91	100		
106	47.9	21.9	65.8



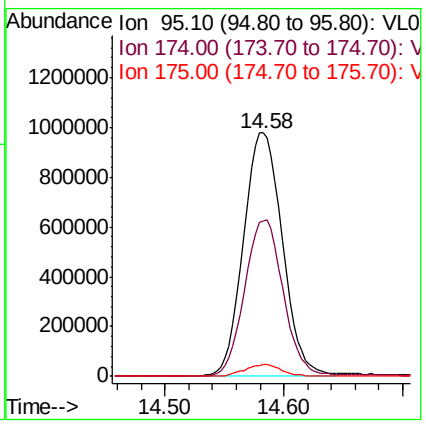


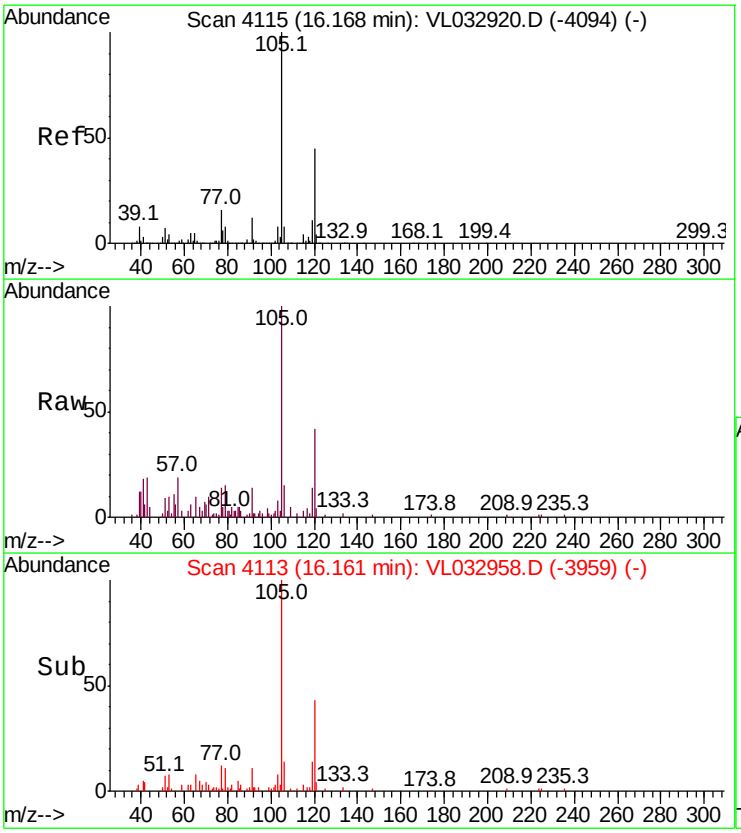
#68
1-Bromo-4-Fluorobenzene
Concen: 9.516 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2221511

Ion	Ratio	Lower	Upper
95	100		
174	64.7	51.4	77.0
175	4.6	3.8	5.6

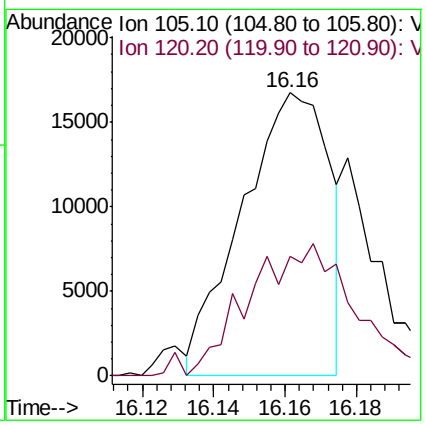


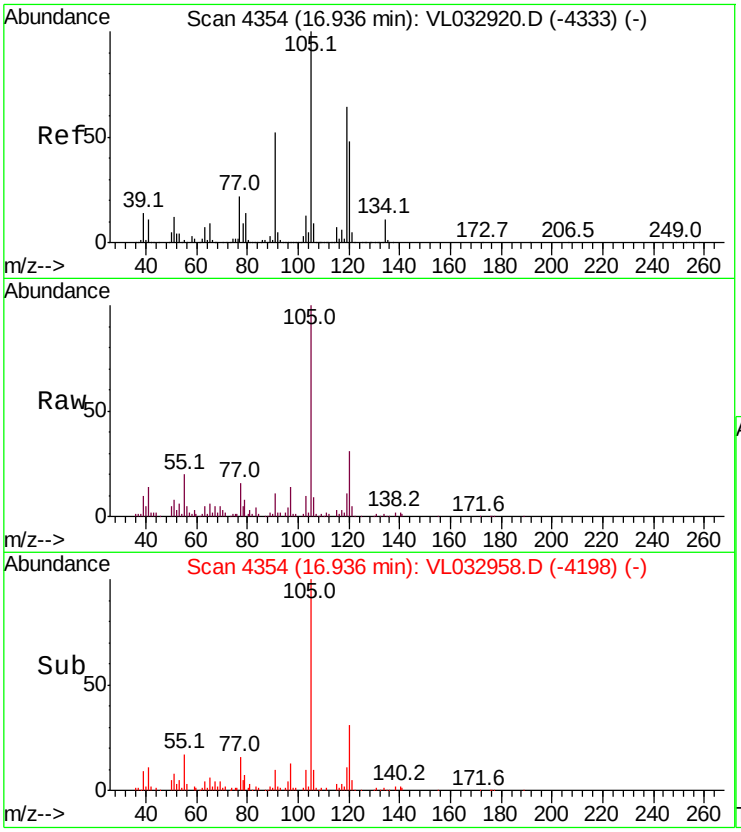


#73
1,3,5-Trimethylbenzene
Concen: 0.085 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. -0.01 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Tgt Ion:105 Resp: 28427

Ion	Ratio	Lower	Upper
105	100		
120	45.3	36.0	54.0



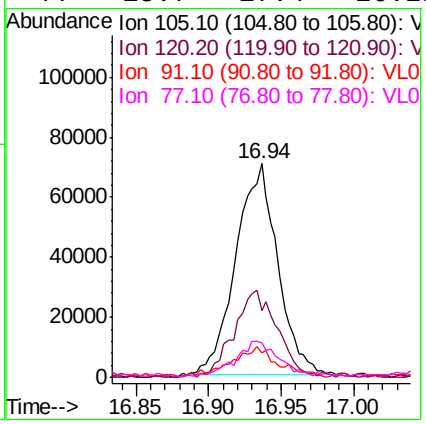


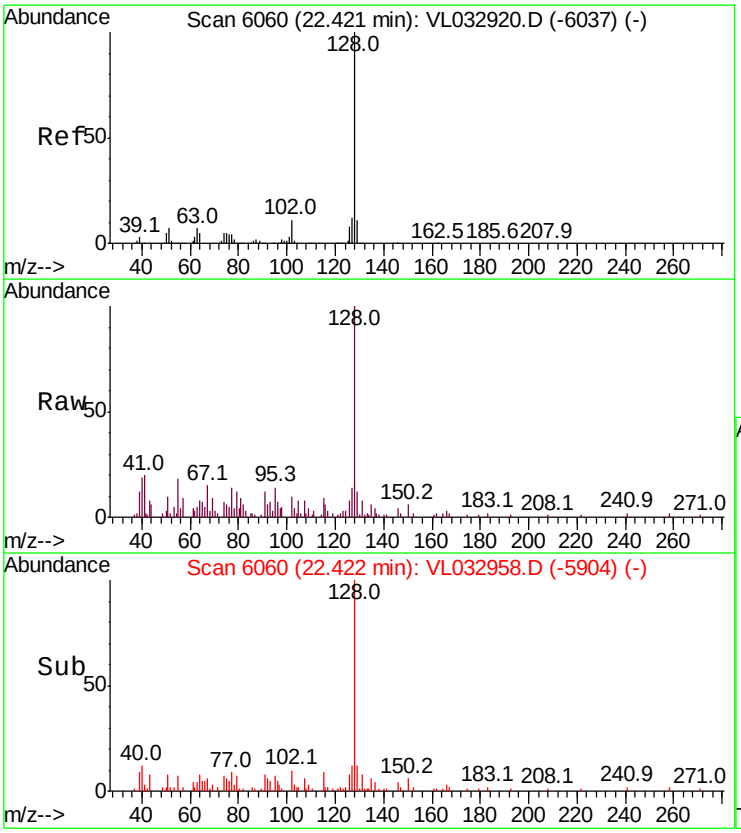
#74
1,2,4-Trimethylbenzene
Concen: 0.373 ppbv
RT: 16.94 min Scan# 4354
Delta R.T. 0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 141777

Ion	Ratio	Lower	Upper
105	100		
120	31.6	38.6	58.0#
91	10.2	41.7	62.5#
77	15.7	17.4	26.2#

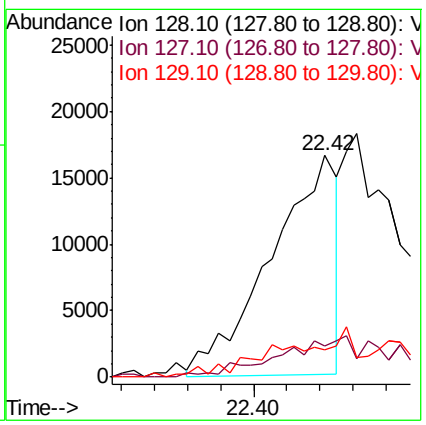


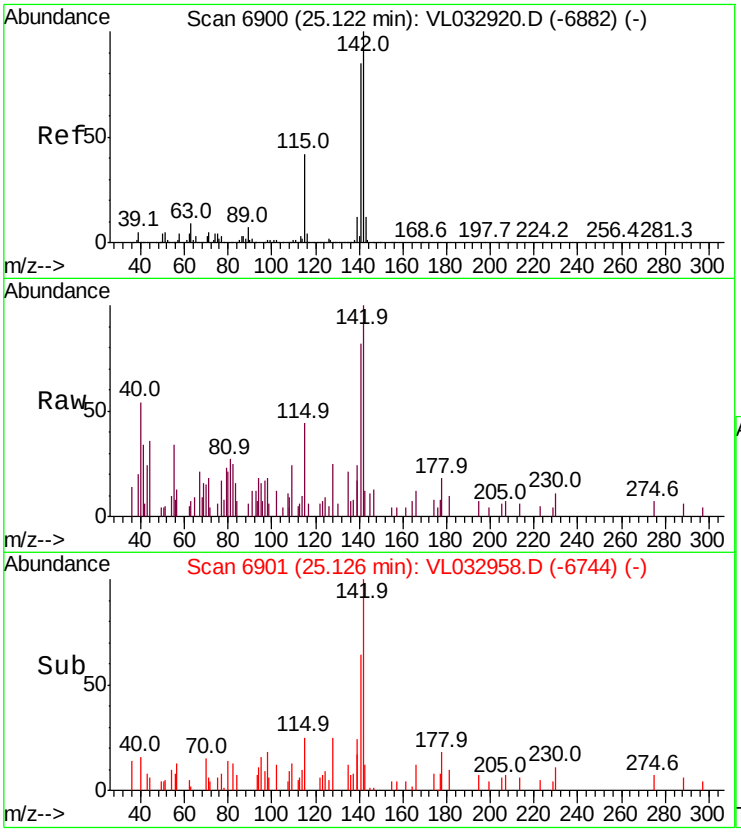


#79
Naphthalene
Concen: 0.093 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Tgt Ion:128 Resp: 22852

Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.9	14.9
129	11.2	8.6	13.0





#80
Naphthalene,2-methyl-
Concen: 0.175 ppbv
RT: 25.13 min Scan# 6901
Delta R.T. 0.00 min
Lab File: VL032958.D
Acq: 11 Dec 2018 17:22

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:142 Resp: 9184

Ion	Ratio	Lower	Upper
142	100		
141	101.0	68.2	102.2
115	113.7	35.1	52.7#