Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\

Quantitation Report (Not Reviewed)

Data File : VL032940.D
Acq On : 7 Dec 2018 18:32
Operator : SY/AP
Sample : J6262-05DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA3DL

Quant Time: Dec 08 02:01:47 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	5.76	49	1337961	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	3378115	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	3170380	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2435942	10.40	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	8909	0.050	ppbv		99
3) Chlorodifluoromethane	3.02	51	63904	0.631	ppbv		92
4) Chloromethane	3.17	50	5946	0.101	ppbv	#	86
9) Propene	3.24	41	32927	0.822	ppbv		91
13) Ethanol	3.65	45	452112	32.773	ppbv		97
15) Acetone	3.91	43	269074	2.343	ppbv		95
16) 1,3-Butadiene	3.37	39	1457	0.032	ppbv	#	1
17) tert-Butyl alcohol	4.36	59	1251	0.043	ppbv	#	98
19) Isopropyl Alcohol	4.03	45	435566	6.039	ppbv	#	99
20) Methylene Chloride	4.41	84	16285	0.290	ppbv		95
21) Allyl Chloride	4.19	41	297870	3.183	ppbv	#	49
23) Vinyl Acetate	5.15	43	11555	0.059	ppbv	#	40
25) Ethyl Acetate	5.77	43	157597	0.581	ppbv	#	94
26) Hexane	5.78	57	35850	0.286	ppbv	#	10
34) 2-Butanone	5.35	43	7578	0.052	ppbv	#	76
36) Benzene	7.00	78	43524	0.175	ppbv		94
39) 1,2-Dichloropropane	7.29	63	833957	8.850	ppbv	#	21
52) Tetrachloroethene	11.37	164	9935	0.110	ppbv	#	50
53) Toluene	9.94	91	32806	0.124	ppbv	#	21

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

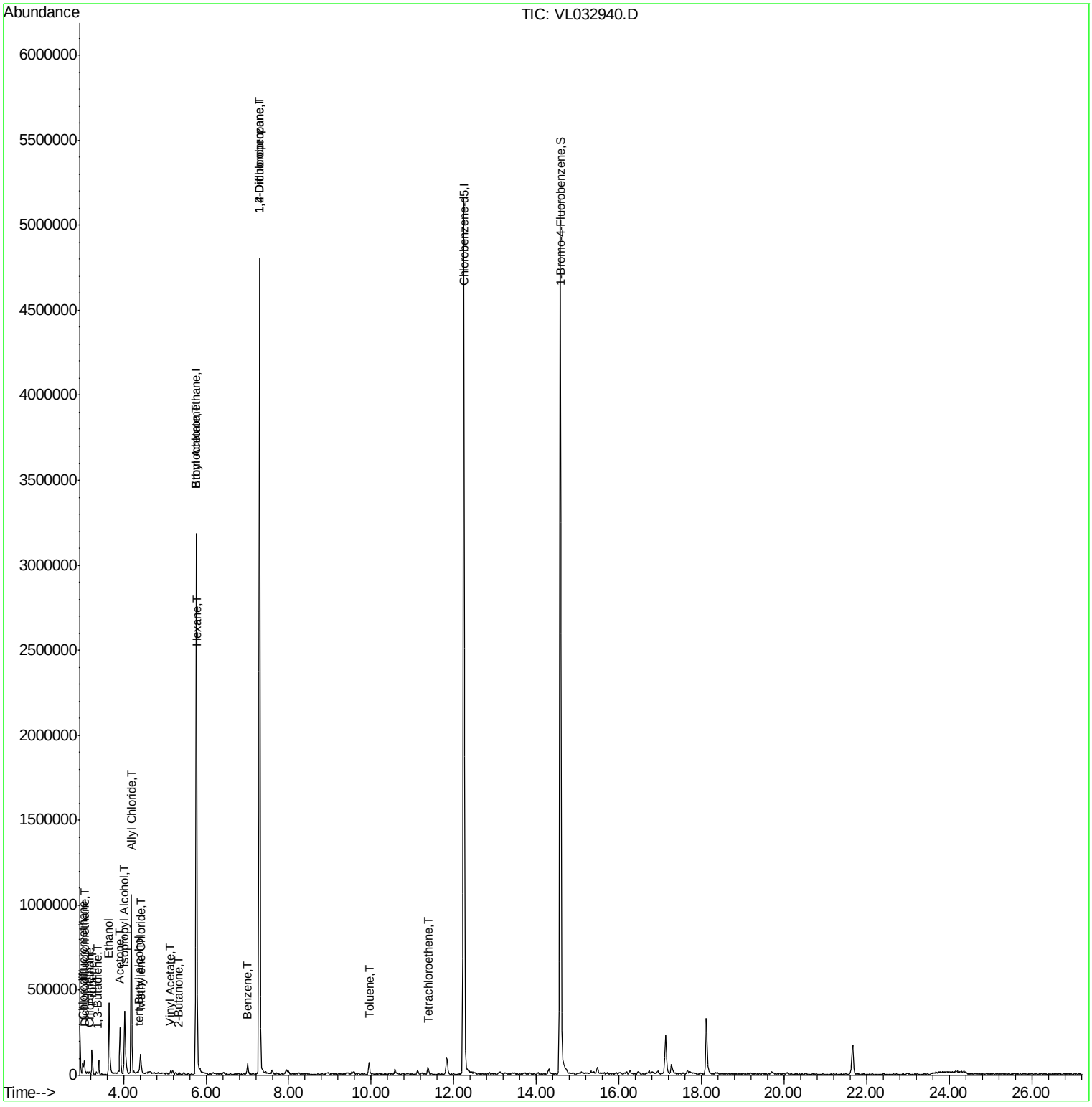
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\

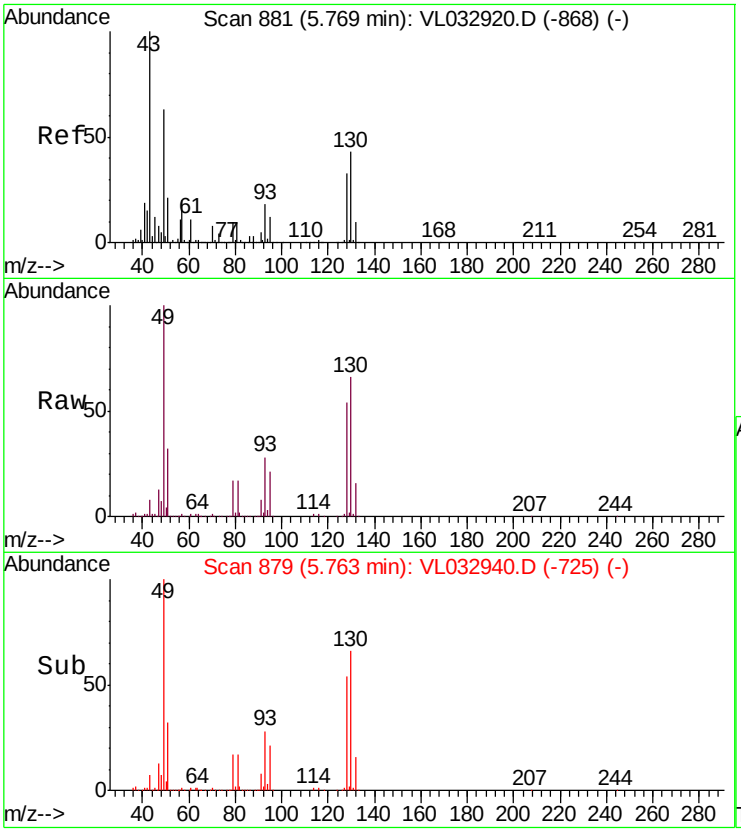
Quantitation Report (Not Reviewed)

Data File : VL032940.D
Acq On : 7 Dec 2018 18:32
Operator : SY/AP
Sample : J6262-05DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA3DL

Quant Time: Dec 08 02:01:47 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



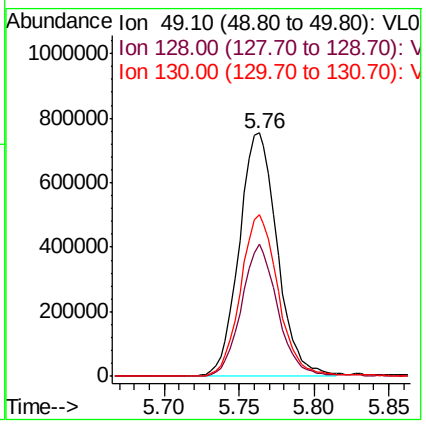


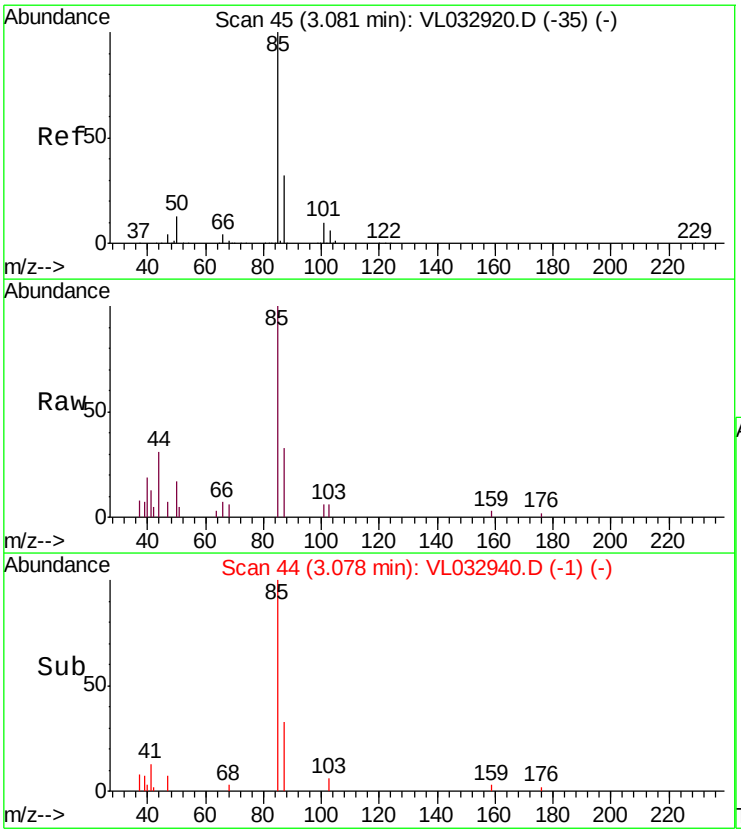
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.01 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion: 49 Resp: 1337961

Ion	Ratio	Lower	Upper
49	100		
128	52.0	26.3	78.8
130	66.3	33.9	101.7

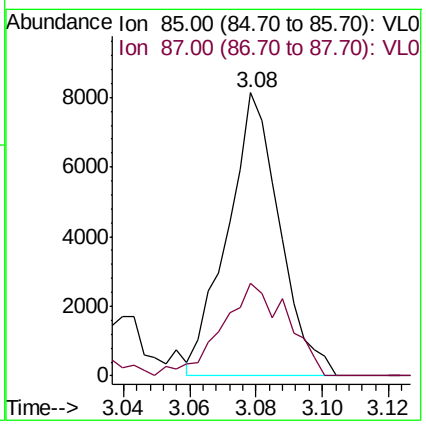


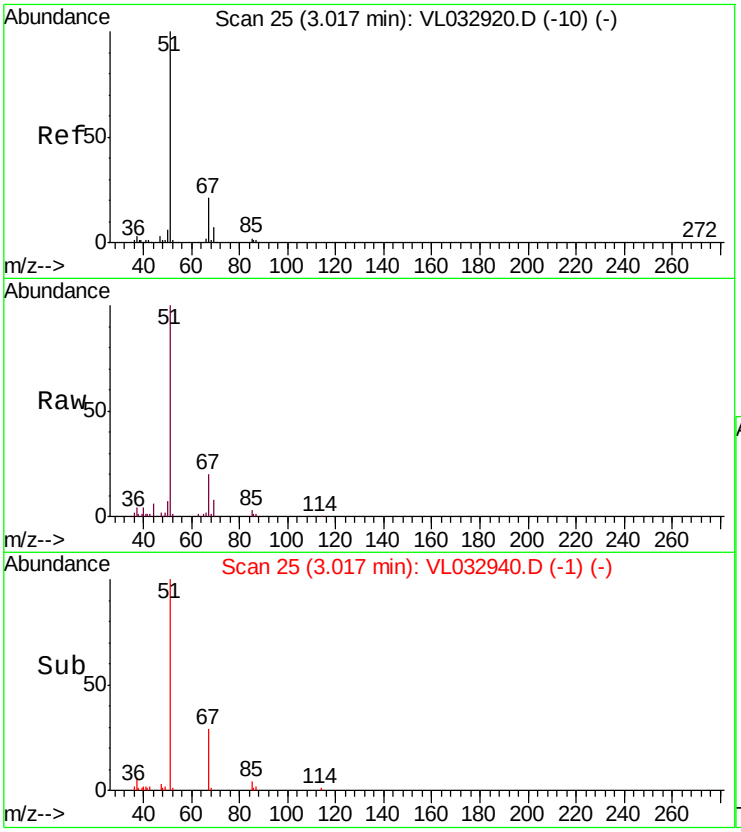


#2
Dichlorodifluoromethane
Concen: 0.050 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Tgt Ion: 85 Resp: 8909

Ion	Ratio	Lower	Upper
85	100		
87	32.9	25.7	38.5



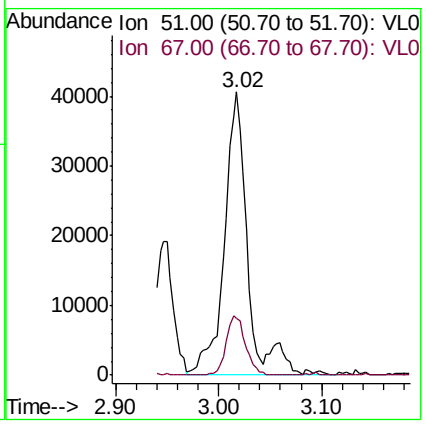


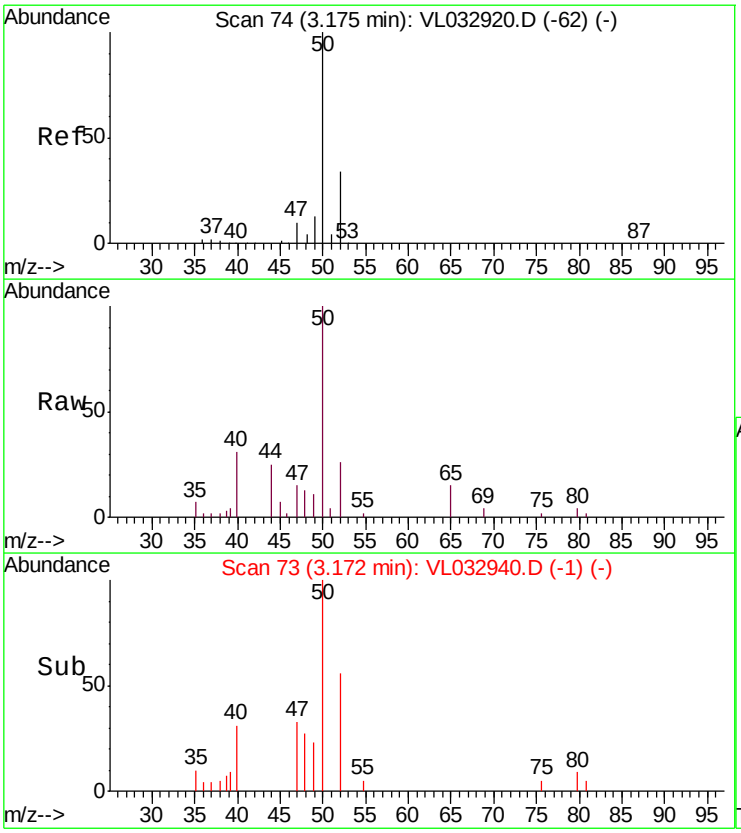
#3
Chlorodifluoromethane
Concen: 0.631 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Instrument : MSVOA_L
ClientSampleId : IA3DL

Tgt Ion: 51 Resp: 63904

Ion	Ratio	Lower	Upper
51	100		
67	17.3	16.8	25.2

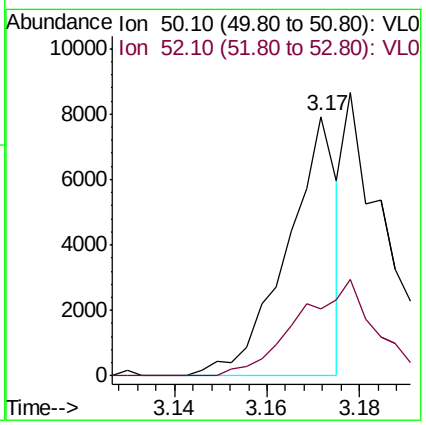


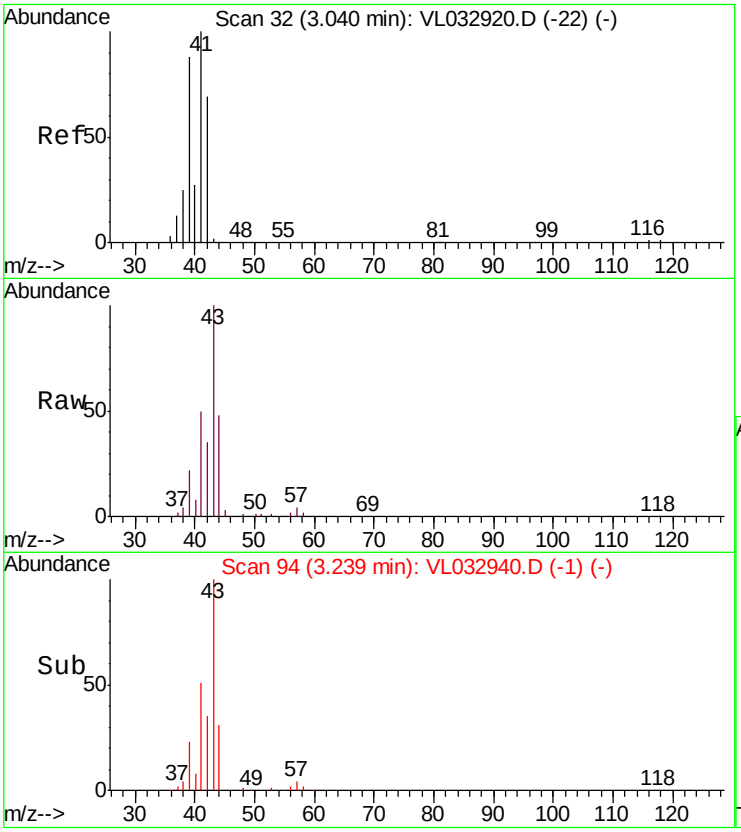


#4
Chloromethane
Concen: 0.101 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Tgt Ion: 50 Resp: 5946

Ion	Ratio	Lower	Upper
50	100		
52	26.0	27.3	40.9#



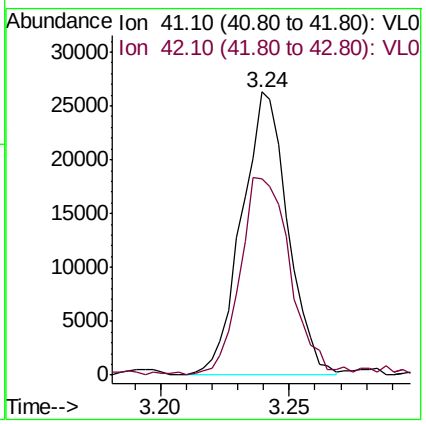


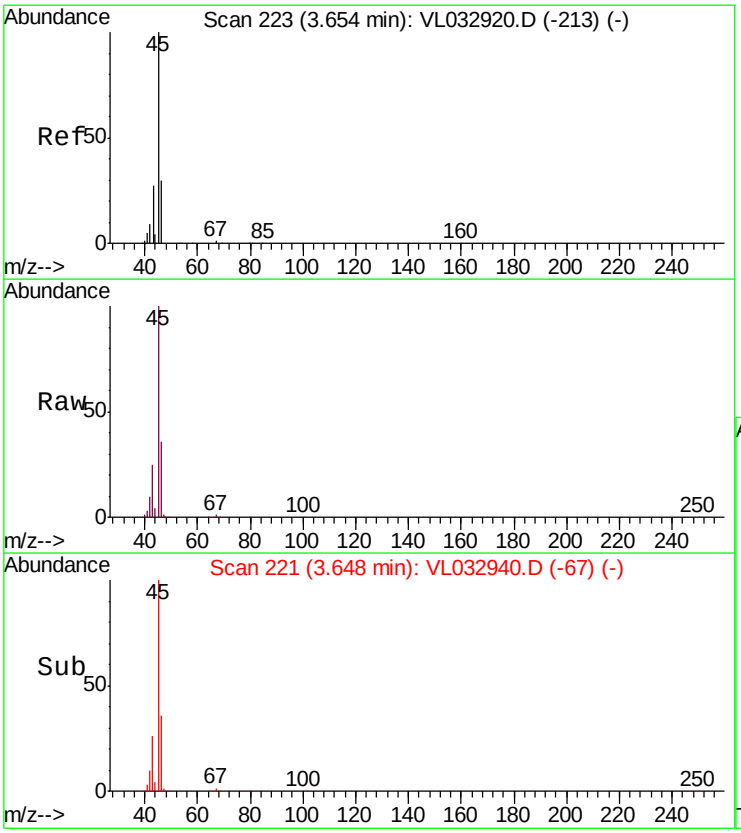
#9
Propene
Concen: 0.822 ppbv
RT: 3.24 min Scan# 94
Delta R.T. 0.20 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion: 41 Resp: 32927

Ion	Ratio	Lower	Upper
41	100		
42	77.9	56.2	84.2

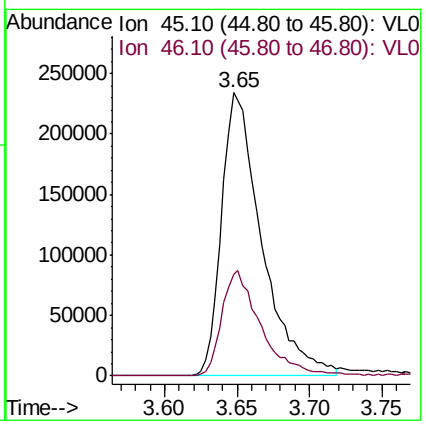


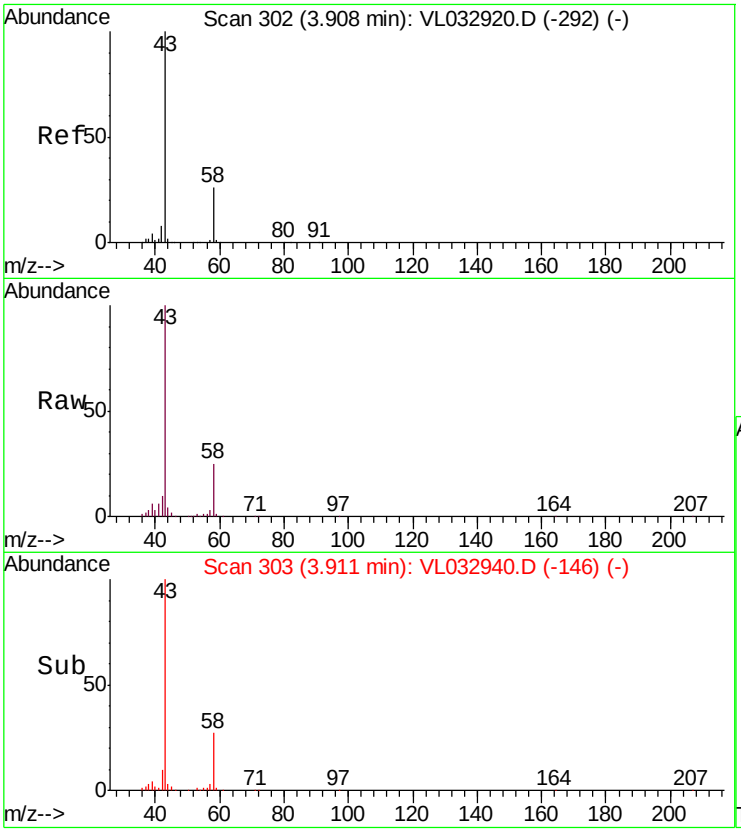


#13
Ethanol
Concen: 32.773 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.01 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Tgt Ion: 45 Resp: 452112

Ion	Ratio	Lower	Upper
45	100		
46	36.3	13.8	55.4



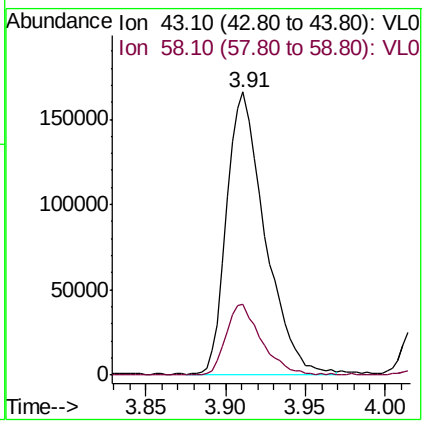


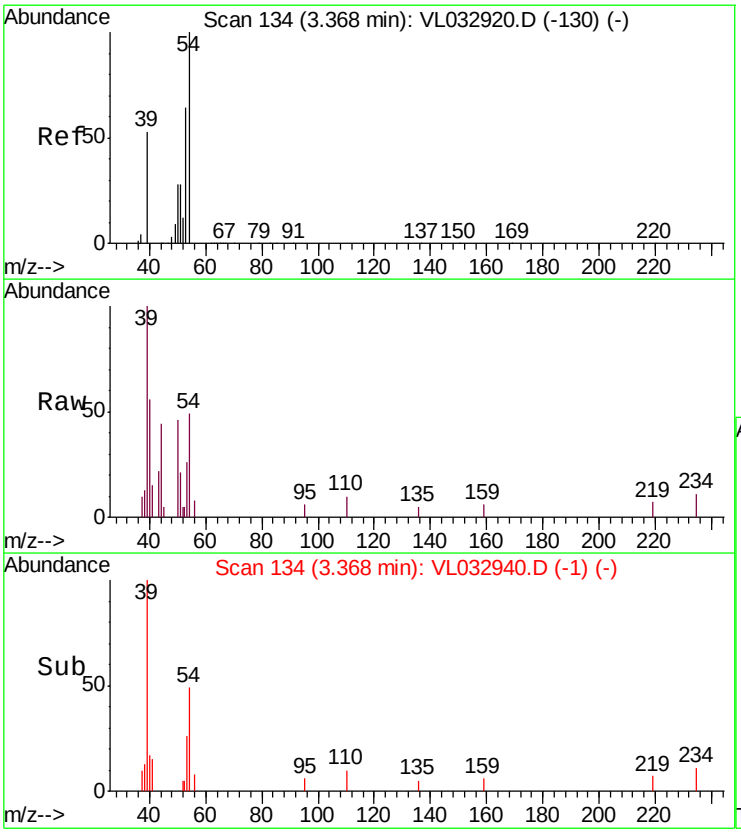
#15
Acetone
Concen: 2.343 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.00 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Instrument : MSVOA_L
ClientSampleId : IA3DL

Tgt Ion: 43 Resp: 269074

Ion	Ratio	Lower	Upper
43	100		
58	23.3	20.6	30.8

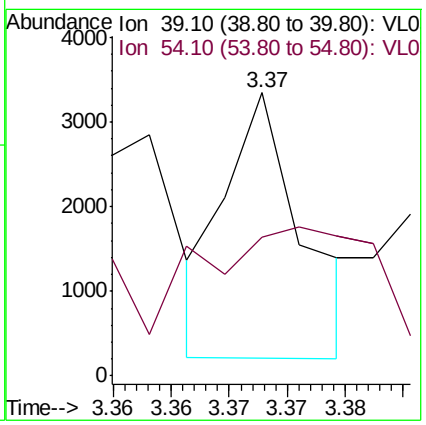


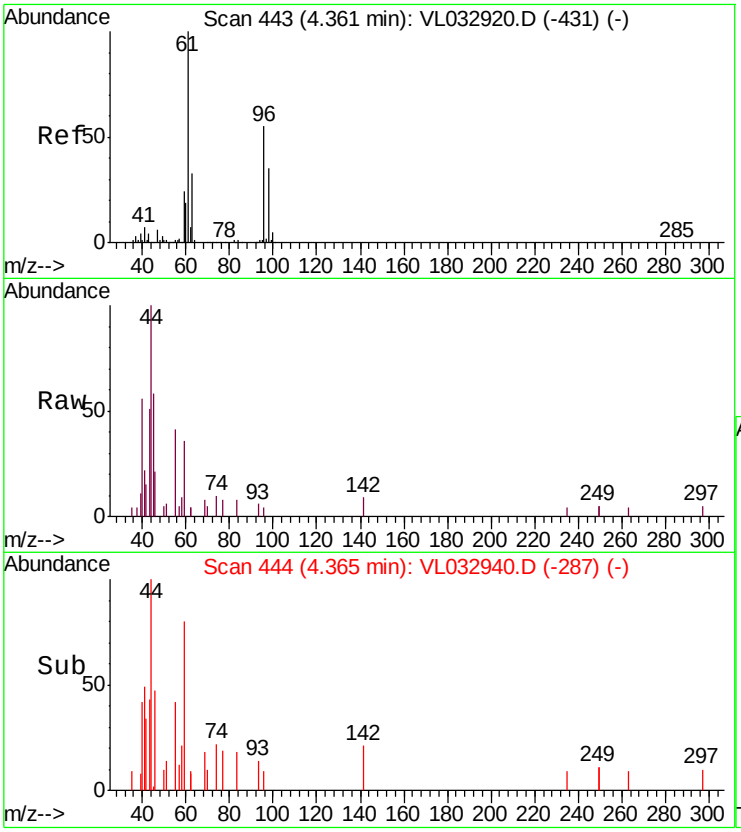


#16
1,3-Butadiene
Concen: 0.032 ppbv
RT: 3.37 min Scan# 134
Delta R.T. 0.00 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Tgt Ion: 39 Resp: 1457

Ion	Ratio	Lower	Upper
39	100		
54	217.8	72.7	109.1#



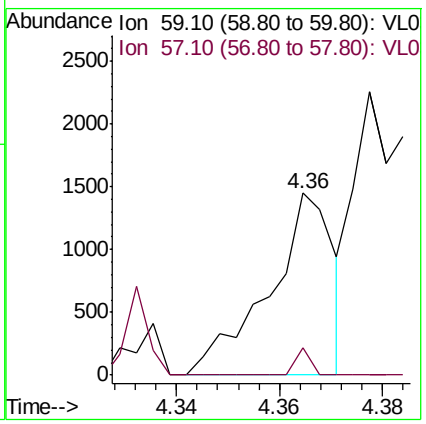


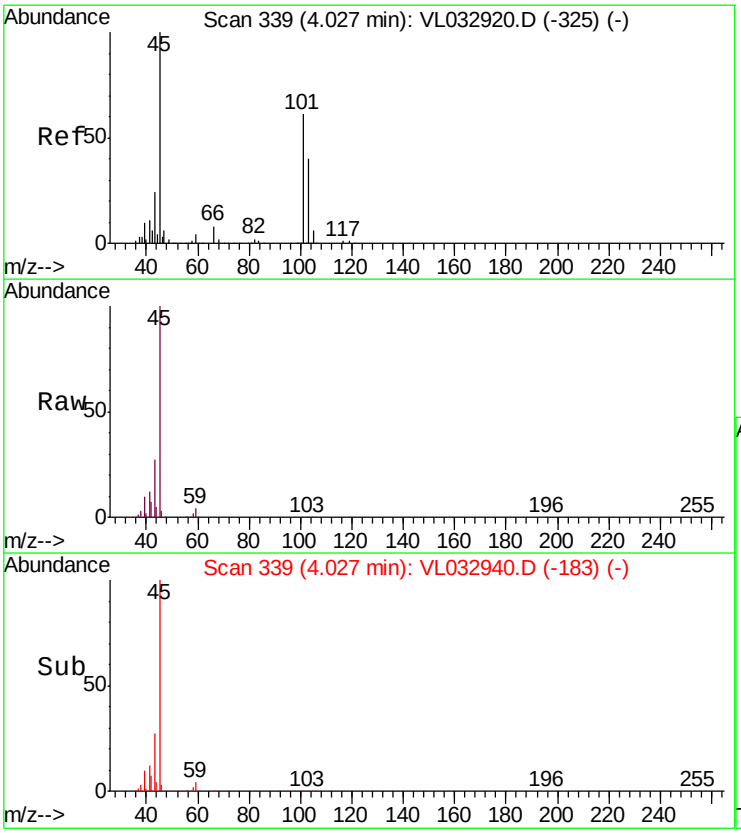
#17
tert-Butyl alcohol
Concen: 0.043 ppbv
RT: 4.36 min Scan# 444
Delta R.T. 0.00 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Instrument : MSVOA_L
ClientSampleId : IA3DL

Tgt Ion: 59 Resp: 1251

Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.6	1.0#

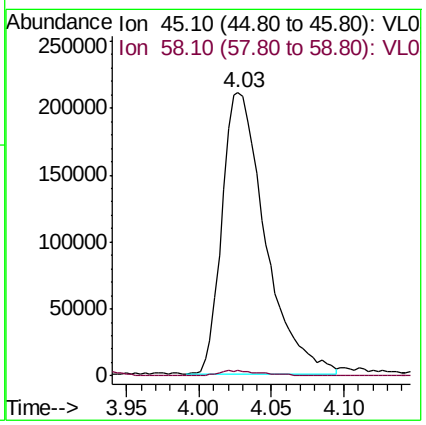


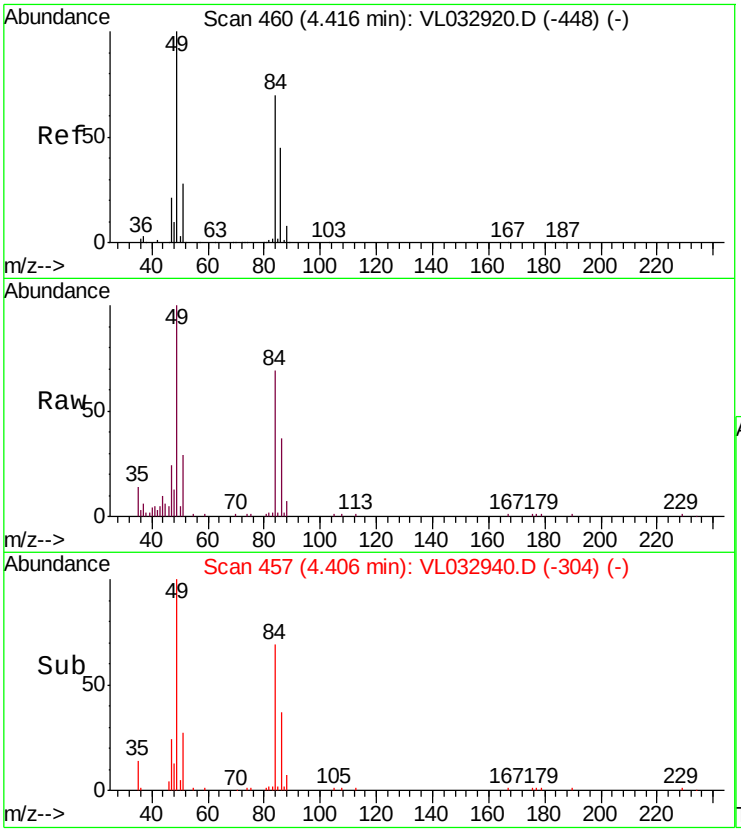


#19
Isopropyl Alcohol
Concen: 6.039 ppbv
RT: 4.03 min Scan# 339
Delta R.T. 0.00 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Tgt Ion: 45 Resp: 435566

Ion	Ratio	Lower	Upper
45	100		
58	2.2	1.4	2.2#



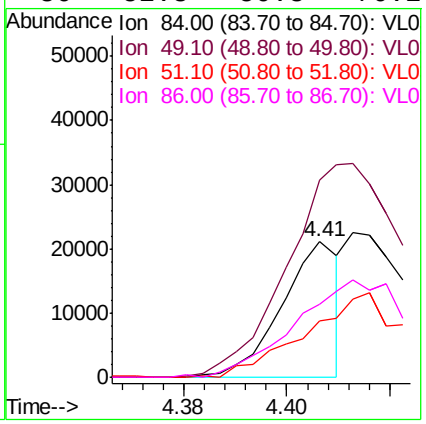


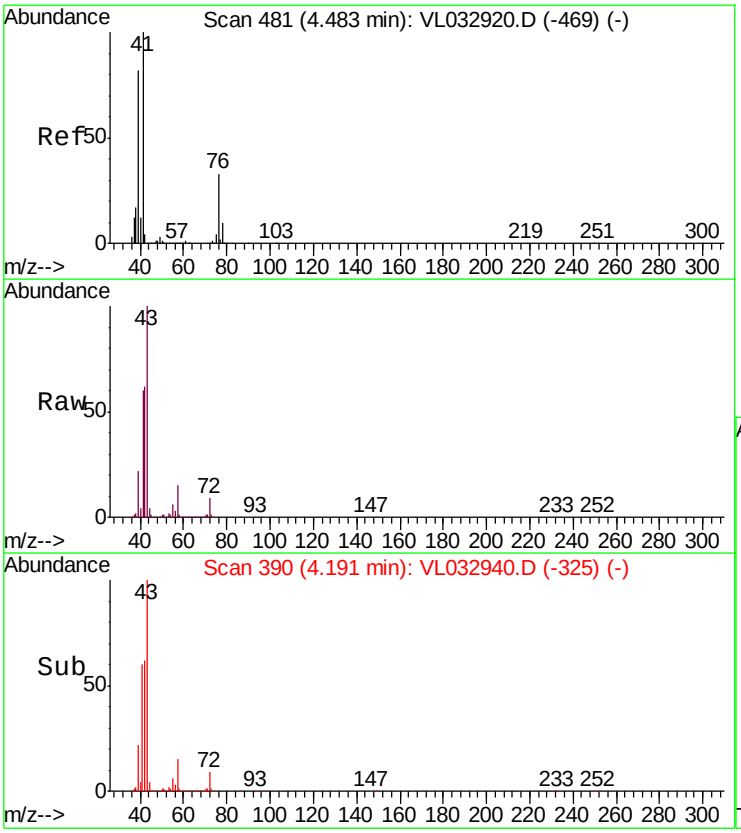
#20
Methylene Chloride
Concen: 0.290 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.01 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Instrument : MSVOA_L
ClientSampleId : IA3DL

Tgt Ion: 84 Resp: 16285

Ion	Ratio	Lower	Upper
84	100		
49	143.7	113.8	170.8
51	41.5	31.8	47.8
86	52.8	50.8	76.2

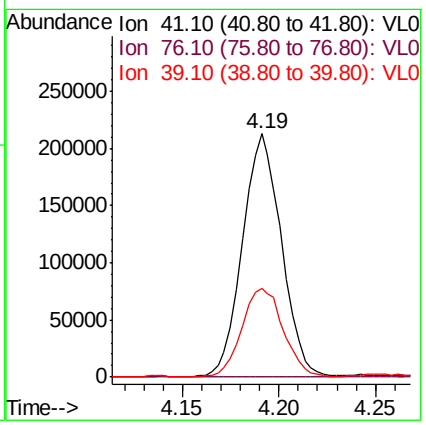


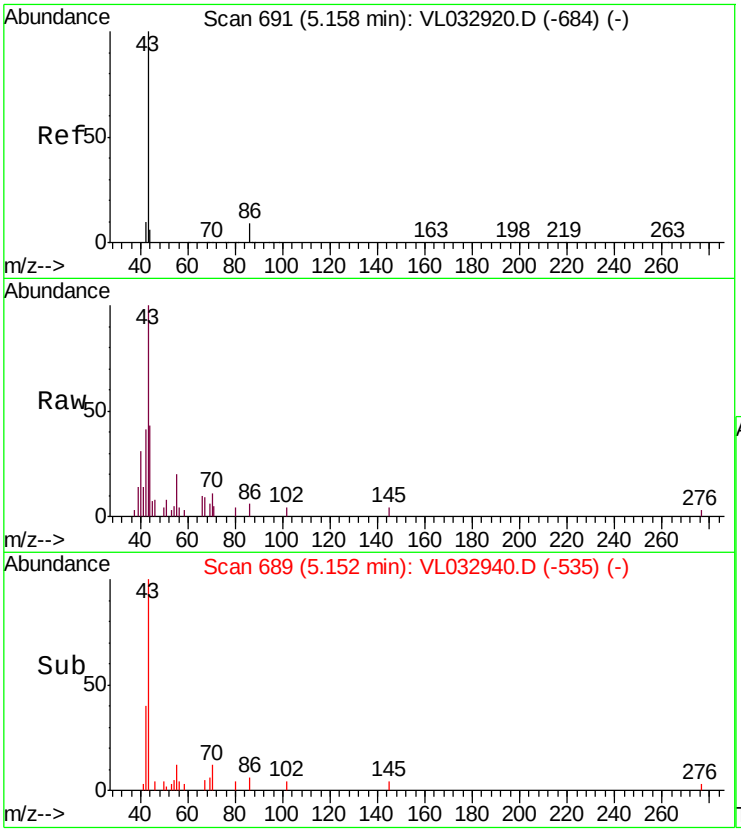


#21
Allyl Chloride
Concen: 3.183 ppbv
RT: 4.19 min Scan# 390
Delta R.T. -0.29 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Tgt Ion: 41 Resp: 297870

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.2	37.8#
39	38.1	65.2	97.8#



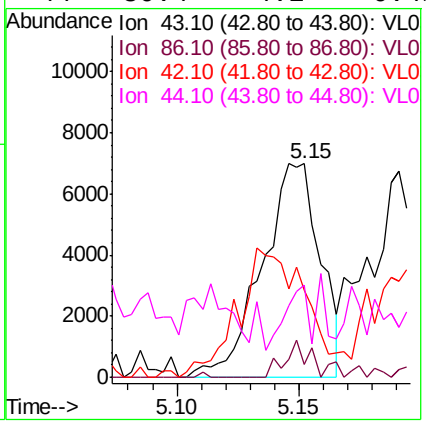


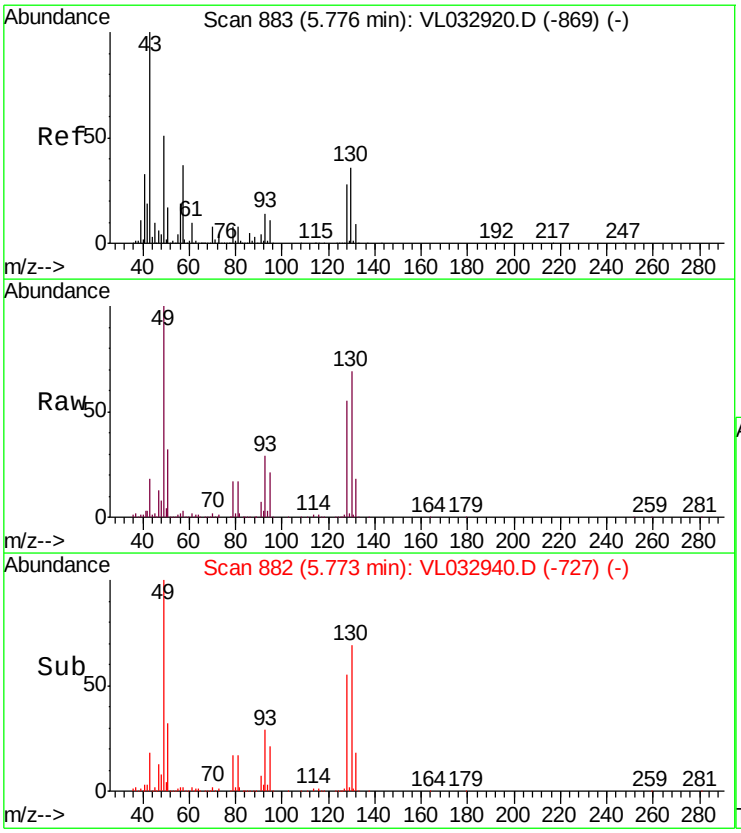
#23
Vinyl Acetate
Concen: 0.059 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.01 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Instrument : MSVOA_L
ClientSampleId : IA3DL

Tgt Ion: 43 Resp: 11555

Ion	Ratio	Lower	Upper
43	100		
86	7.0	6.6	9.8
42	46.5	8.3	12.5#
44	30.4	4.2	6.4#

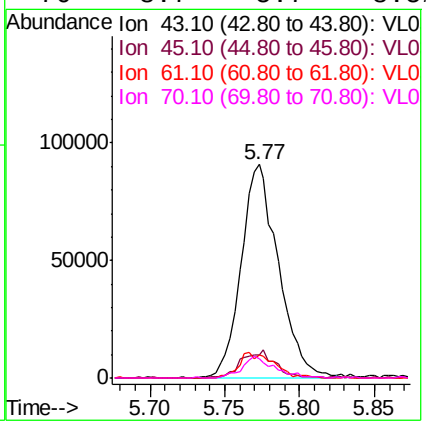


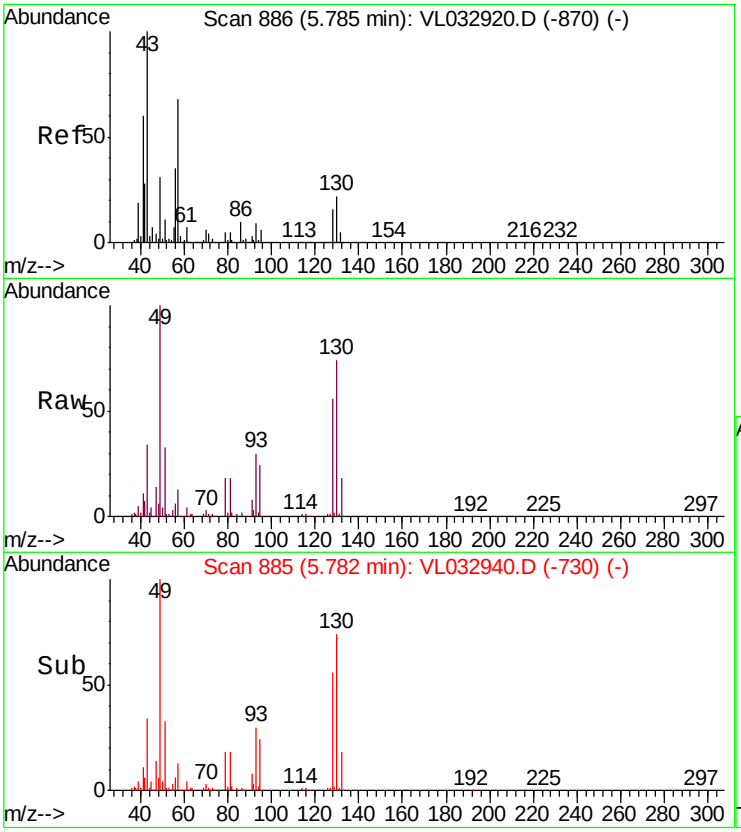


#25
Ethyl Acetate
Concen: 0.581 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Tgt Ion: 43 Resp: 157597

Ion	Ratio	Lower	Upper
43	100		
45	12.1	7.8	11.6#
61	11.3	7.4	11.2#
70	8.7	5.7	8.5#



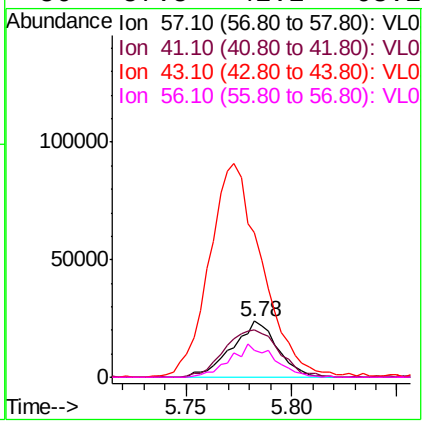


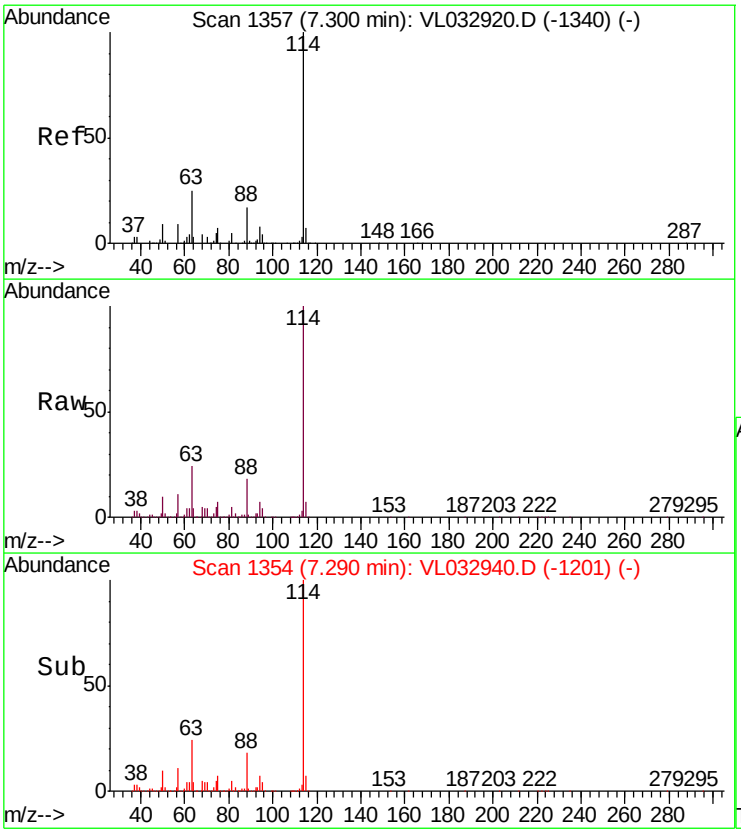
#26
Hexane
Concen: 0.286 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Instrument : MSVOA_L
ClientSampleId : IA3DL

Tgt Ion: 57 Resp: 35850

Ion	Ratio	Lower	Upper
57	100		
41	102.6	72.2	108.2
43	442.2	171.9	257.9#
56	57.5	42.2	63.2

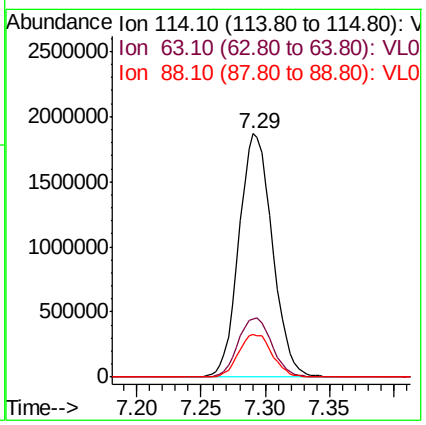


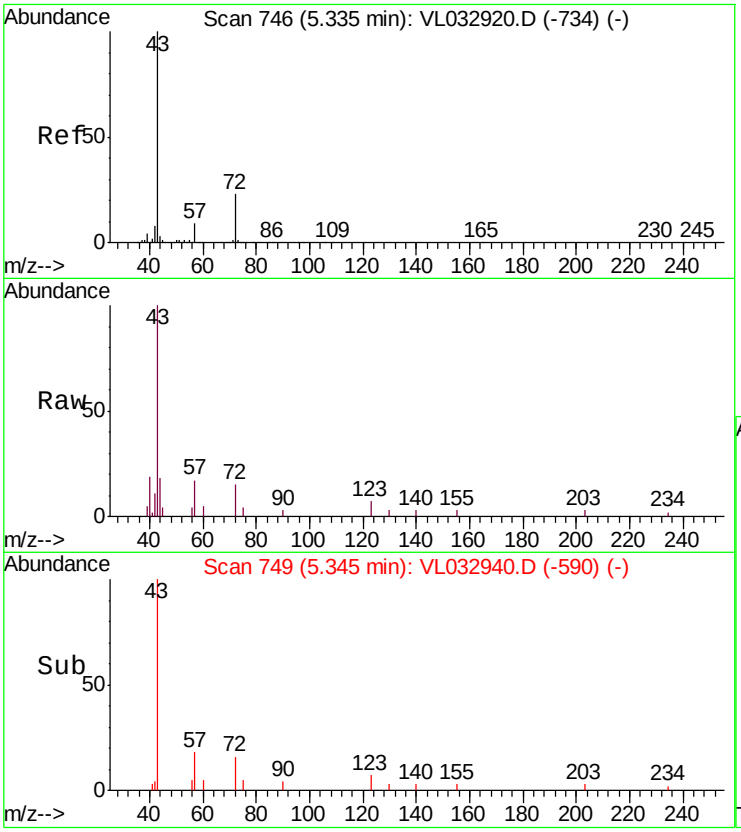


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Tgt Ion:114 Resp: 3378115

Ion	Ratio	Lower	Upper
114	100		
63	24.8	20.1	30.1
88	17.7	14.2	21.4



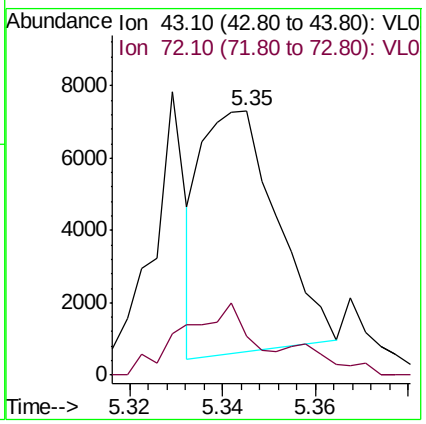


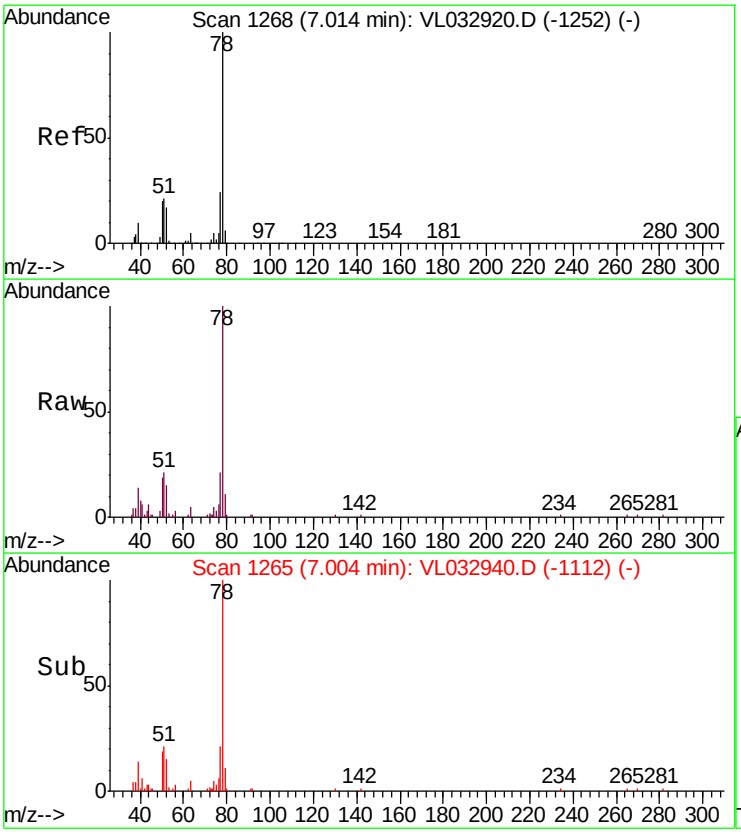
#34
2-Butanone
Concen: 0.052 ppbv
RT: 5.35 min Scan# 749
Delta R.T. 0.01 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Instrument : MSVOA_L
ClientSampleId : IA3DL

Tgt Ion: 43 Resp: 7578

Ion	Ratio	Lower	Upper
43	100		
72	35.2	18.8	28.2#

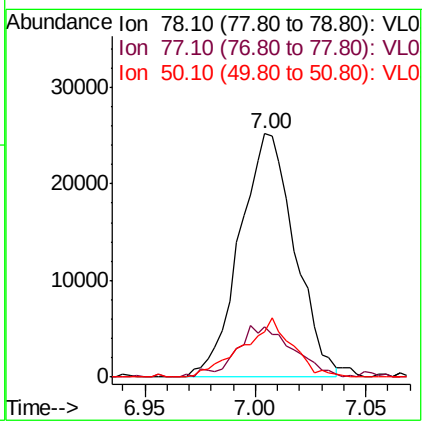


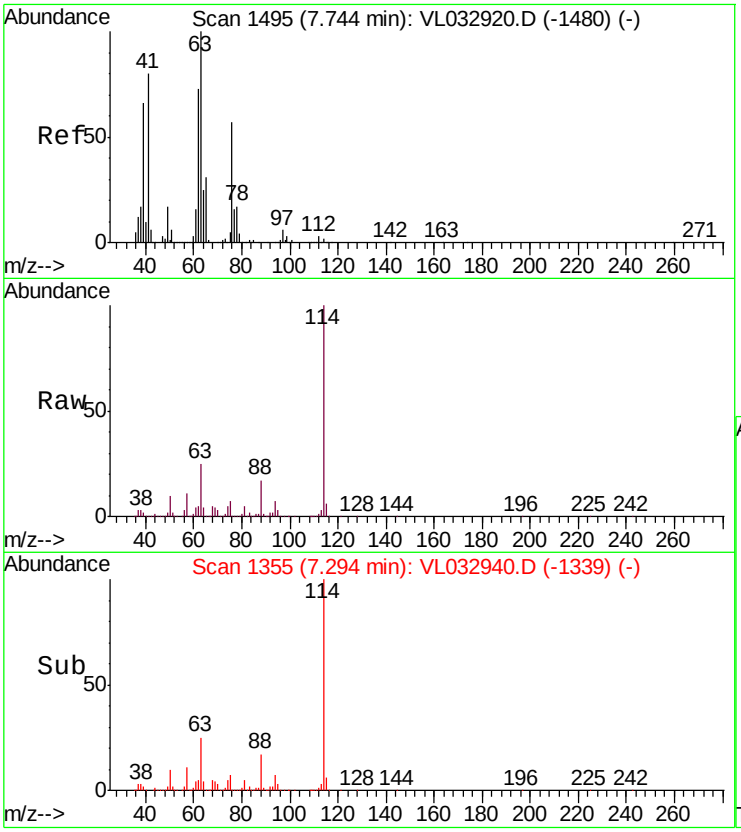


#36
Benzene
Concen: 0.175 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Tgt Ion: 78 Resp: 43524

Ion	Ratio	Lower	Upper
78	100		
77	19.8	18.9	28.3
50	17.8	16.1	24.1



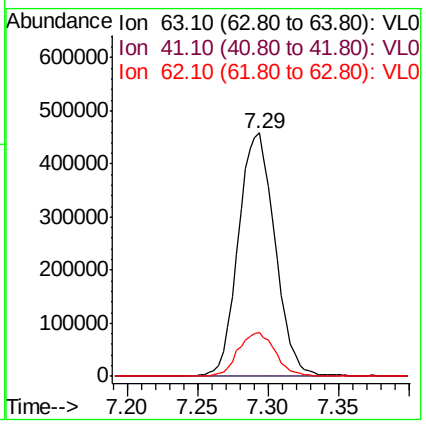


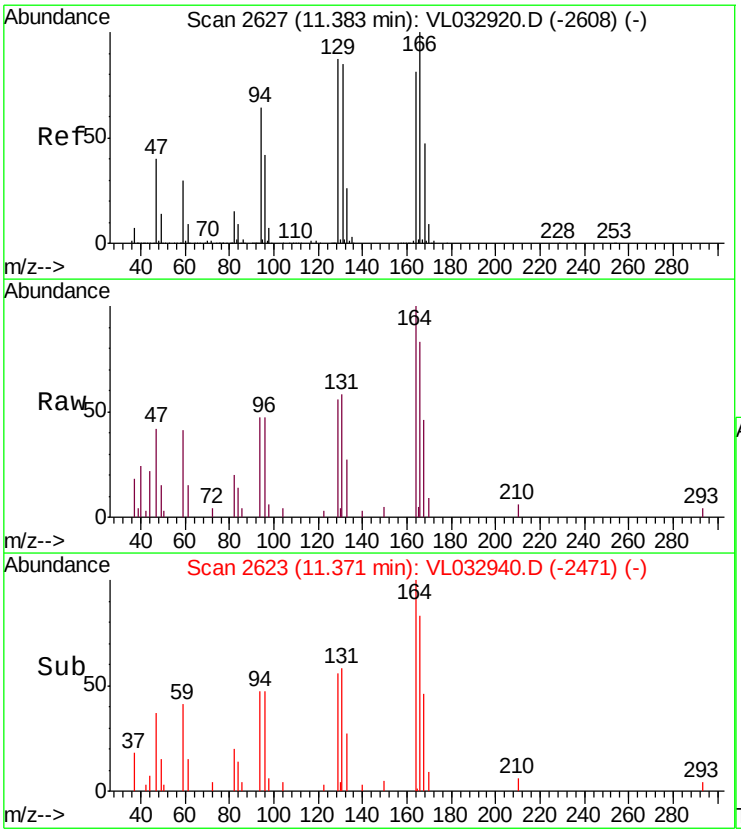
#39
1,2-Dichloropropane
Concen: 8.850 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.45 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion: 63 Resp: 833957

Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.9	95.9#
62	18.2	58.8	88.2#

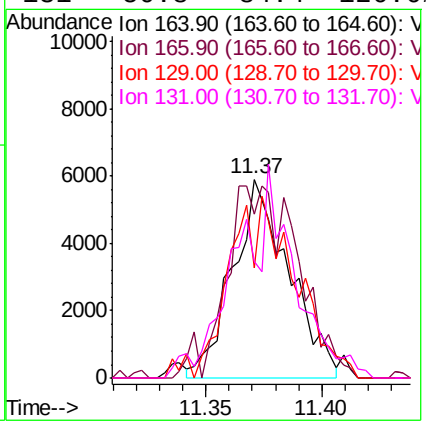


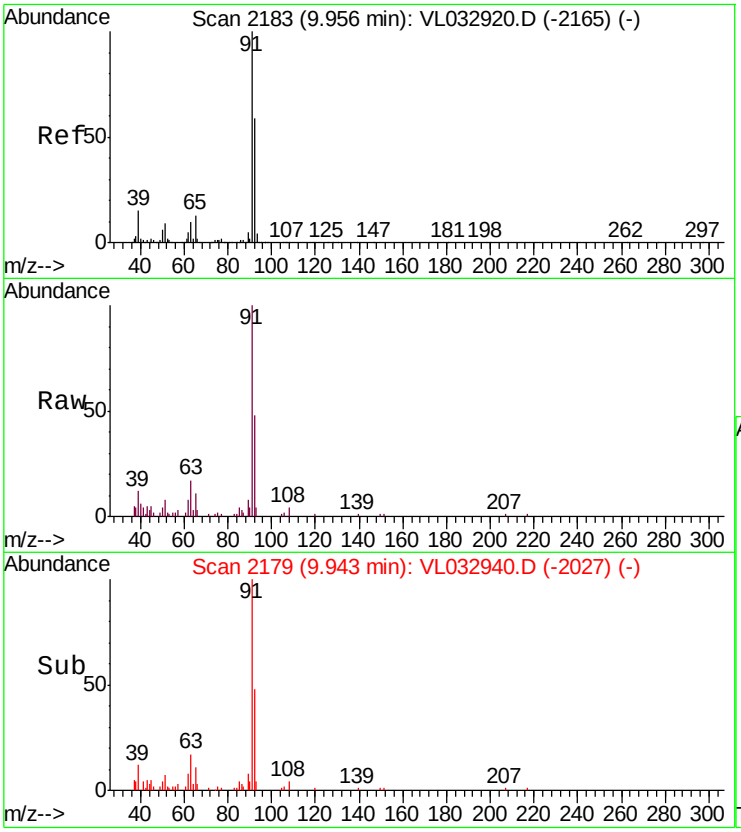


#52
Tetrachloroethene
Concen: 0.110 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Tgt Ion:164 Resp: 9935

Ion	Ratio	Lower	Upper
164	100		
166	76.4	98.8	148.2#
129	46.6	85.5	128.3#
131	50.8	84.4	126.6#



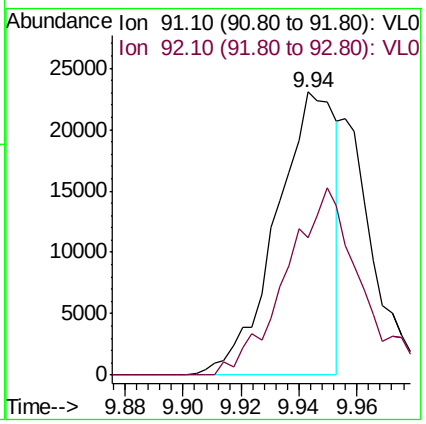


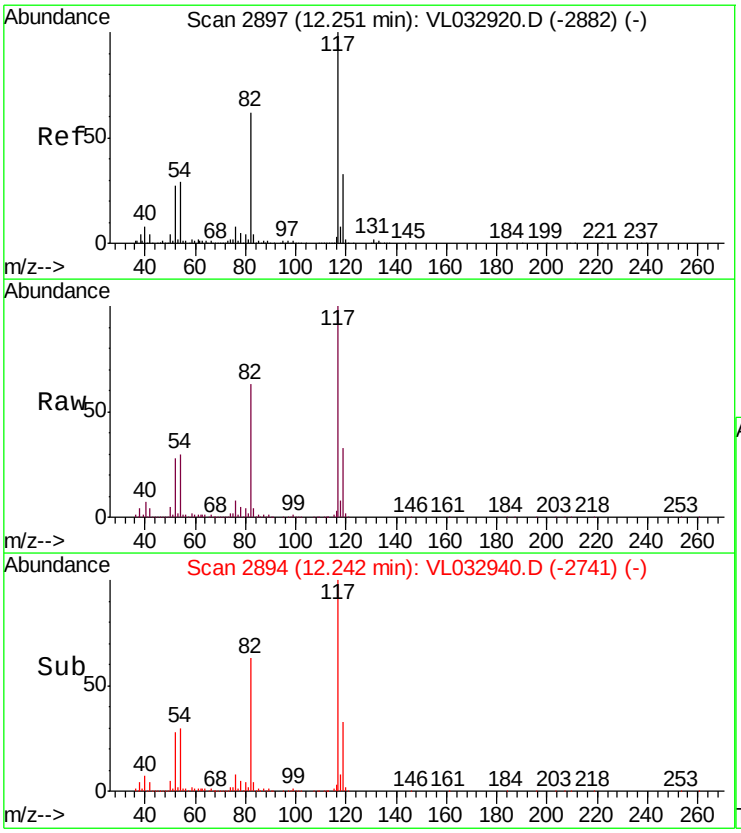
#53
Toluene
Concen: 0.124 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.01 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Instrument : MSVOA_L
ClientSampleId : IA3DL

Tgt Ion: 91 Resp: 32806

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.4	71.0#

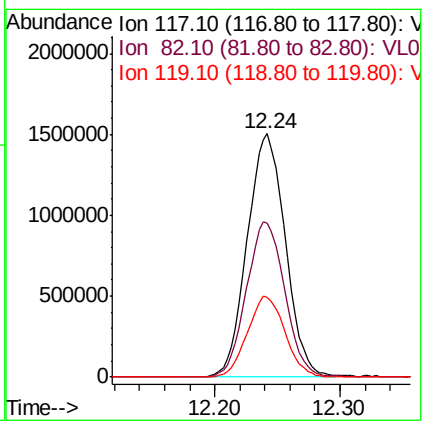


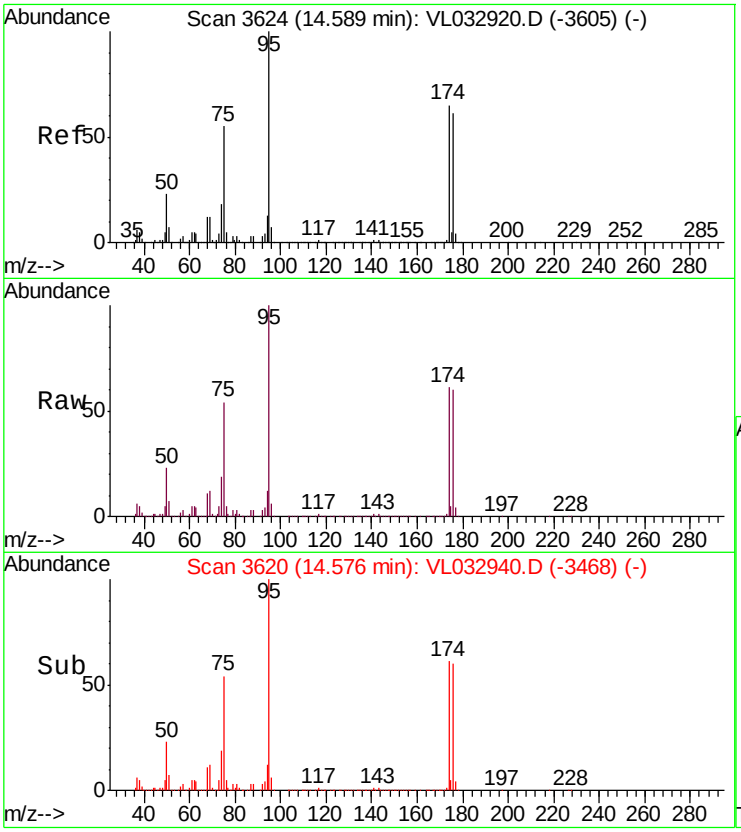


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Tgt Ion:117 Resp: 3170380

Ion	Ratio	Lower	Upper
117	100		
82	64.3	47.8	71.8
119	32.9	43.1	64.7#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.400 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL032940.D
Acq: 7 Dec 2018 18:32

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tgt Ion: 95 Resp: 2435942

Ion	Ratio	Lower	Upper
95	100		
174	64.9	51.4	77.0
175	4.8	3.8	5.6