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

Quantitation Report (Not Reviewed)

Data File : VL032943.D
Acq On : 7 Dec 2018 20:32
Operator : SY/AP
Sample : J6262-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : OA1

Quant Time: Dec 08 02:02:45 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	1209575	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	3215528	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2998826	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2428080	10.96	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 109.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	33025	0.205	ppbv		97
3) Chlorodifluoromethane	3.01	51	45072	0.492	ppbv	#	85
4) Chloromethane	3.17	50	30844	0.578	ppbv		96
7) Chloroethane	3.60	64	1733	0.089	ppbv		89
9) Propene	3.24	41	100739	2.781	ppbv		97
10) Heptane	8.25	43	75290	0.553	ppbv		95
11) Trichlorofluoromethane	4.01	101	39963	0.263	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	10225	0.079	ppbv		98
13) Ethanol	3.65	45	239724	19.222	ppbv		95
15) Acetone	3.90	43	509055	4.903	ppbv		95
16) 1,3-Butadiene	3.39	39	36696	0.891	ppbv	#	17
19) Isopropyl Alcohol	4.03	45	119756	1.837	ppbv	#	93
20) Methylene Chloride	4.41	84	177460	3.497	ppbv		95
21) Allyl Chloride	4.44	41	5564	0.066	ppbv	#	28
23) Vinyl Acetate	5.14	43	82872	0.471	ppbv	#	1
25) Ethyl Acetate	5.78	43	740713	3.020	ppbv	#	86
26) Hexane	5.78	57	795586	7.026	ppbv	#	53
30) Cyclohexane	7.25	84	28003	0.298	ppbv	#	10
31) cis-1,2-Dichloroethene	5.77	61	16507	0.159	ppbv	#	28
34) 2-Butanone	5.34	43	95992	0.685	ppbv		98
35) Carbon Tetrachloride	7.13	117	9216	0.036	ppbv	#	91
36) Benzene	7.01	78	95714	0.405	ppbv	#	92
39) 1,2-Dichloropropane	7.29	63	787617	8.781	ppbv	#	21
41) Tetrahydrofuran	6.17	42	17809	0.204	ppbv	#	61
44) 2,2,4-Trimethylpentane	7.99	57	354230	0.882	ppbv	#	87
52) Tetrachloroethene	11.37	164	3076	0.036	ppbv	#	68
53) Toluene	9.95	91	2880270	11.483	ppbv		100
58) Ethyl Benzene	12.86	91	150692	0.471	ppbv		92
59) m/p-Xylene	13.12	91	341324	1.177	ppbv	#	100
60) o-Xylene	13.85	91	54488	0.186	ppbv	#	32
61) Styrene	13.69	104	8913	0.046	ppbv	#	32
74) 1,2,4-Trimethylbenzene	16.92	105	92258	0.256	ppbv	#	70

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

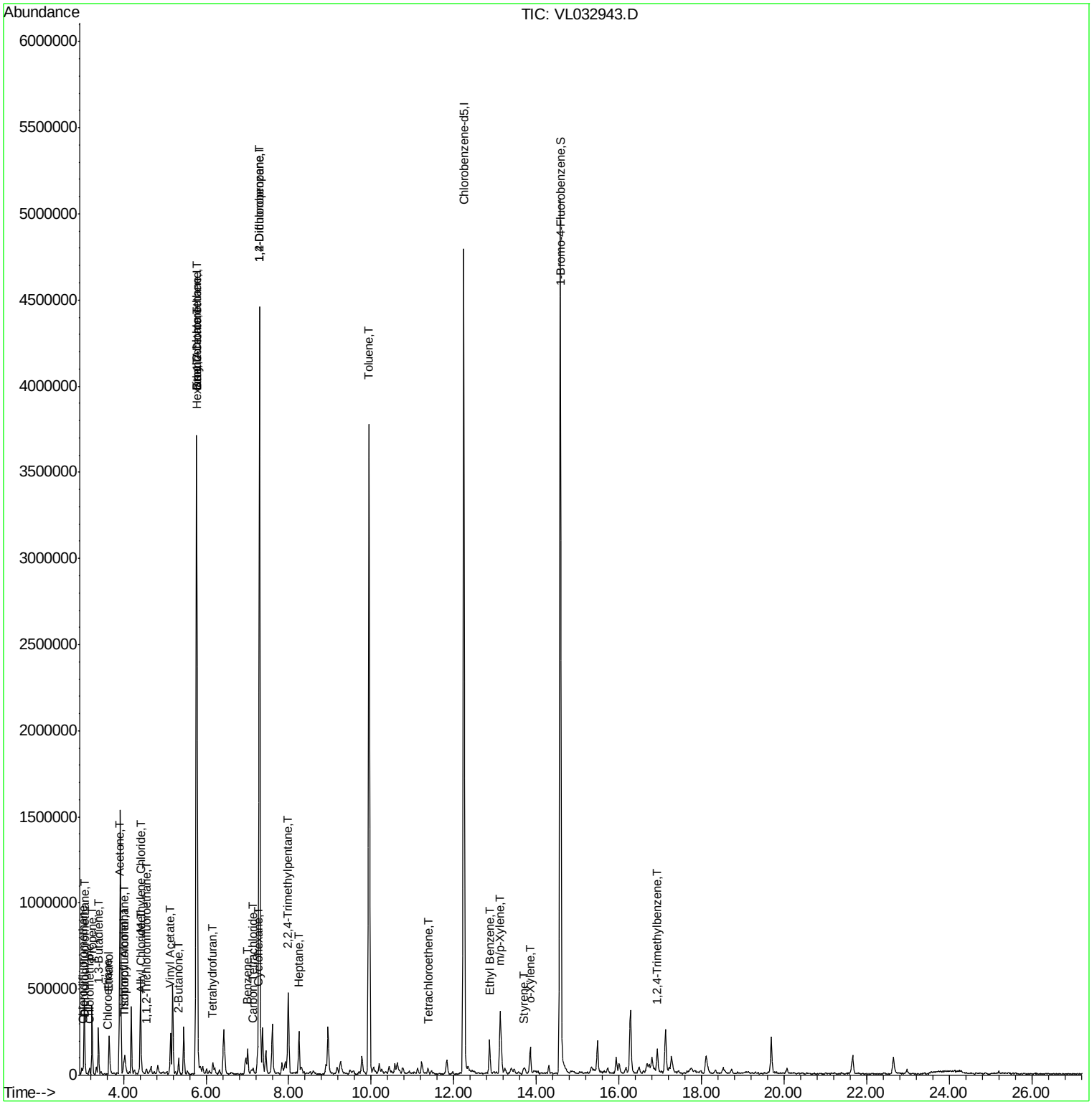
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\

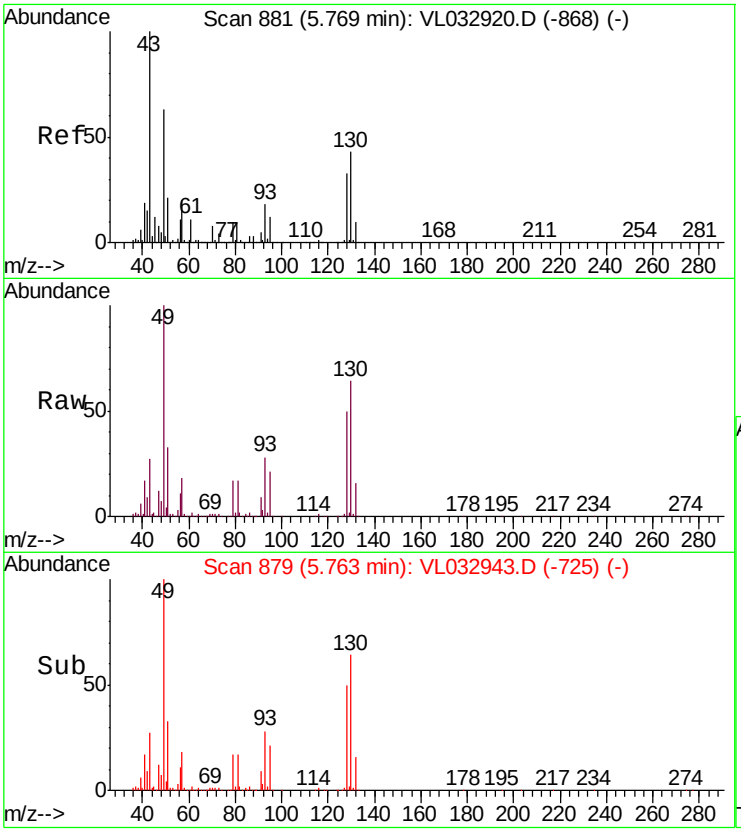
Quantitation Report (Not Reviewed)

Data File : VL032943.D
Acq On : 7 Dec 2018 20:32
Operator : SY/AP
Sample : J6262-07
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : OA1

Quant Time: Dec 08 02:02:45 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



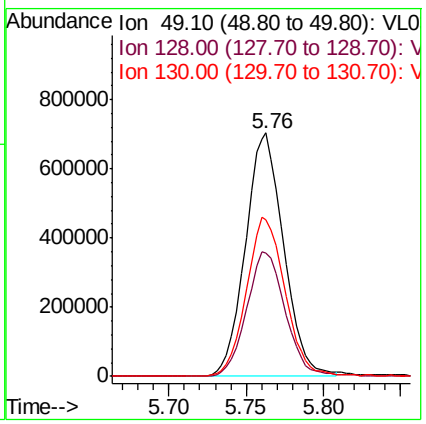


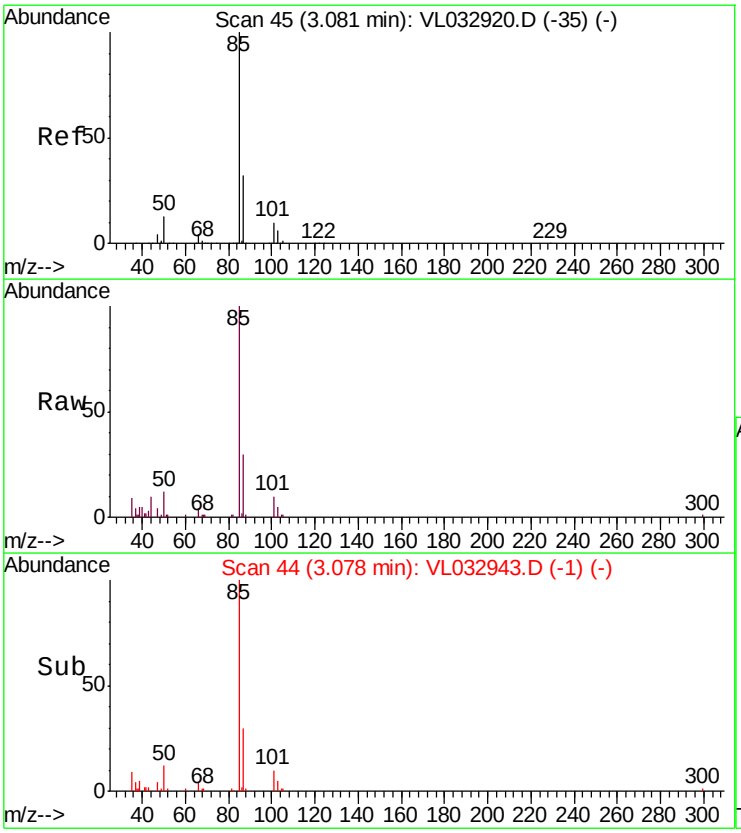
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. -0.01 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 1209575

Ion	Ratio	Lower	Upper
49	100		
128	52.2	26.3	78.8
130	66.6	33.9	101.7

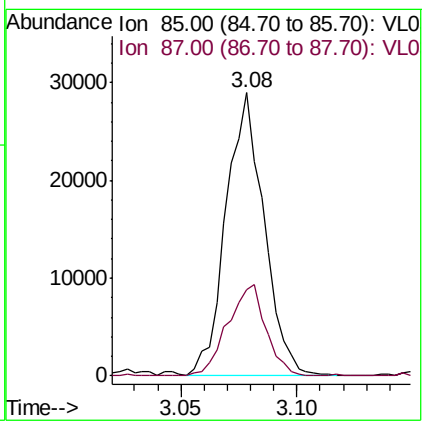


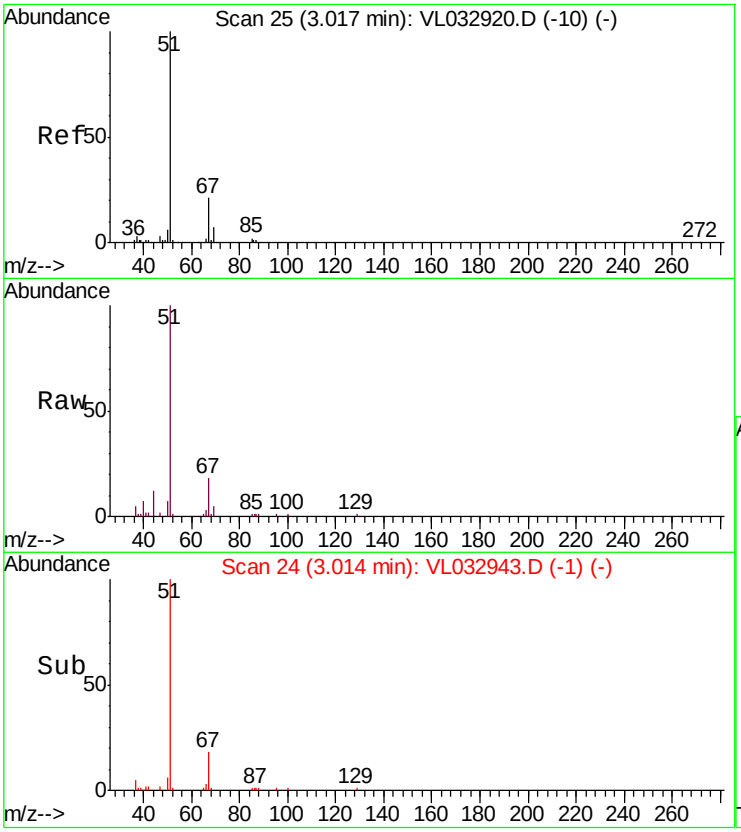


#2
Dichlorodifluoromethane
Concen: 0.205 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Tgt Ion: 85 Resp: 33025

Ion	Ratio	Lower	Upper
85	100		
87	30.4	25.7	38.5



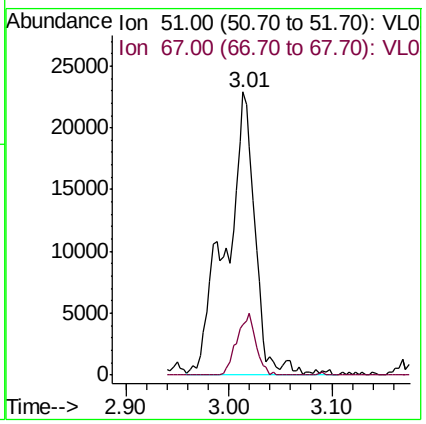


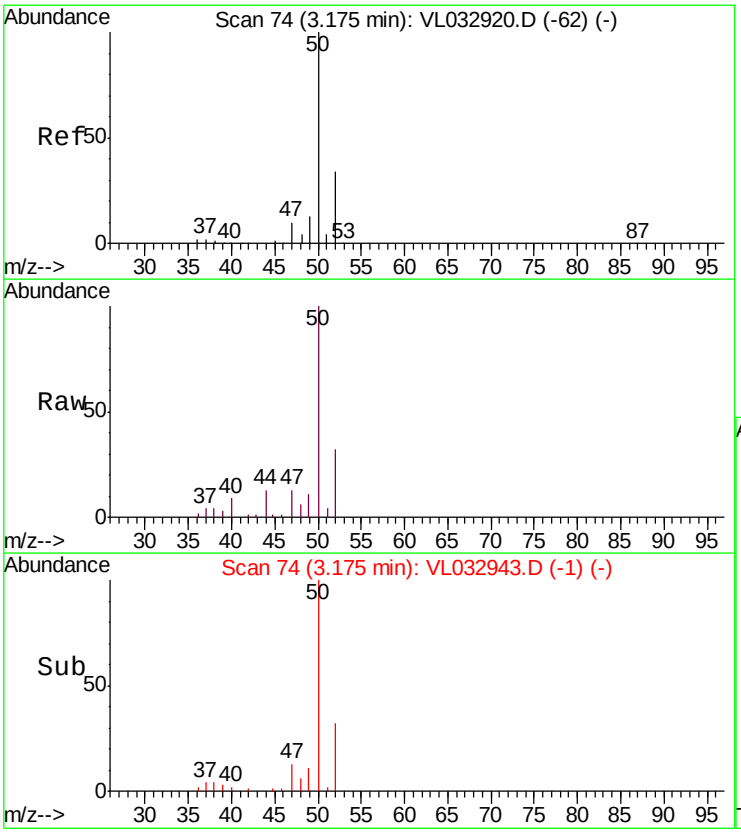
#3
Chlorodifluoromethane
Concen: 0.492 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 45072

Ion	Ratio	Lower	Upper
51	100		
67	14.2	16.8	25.2#

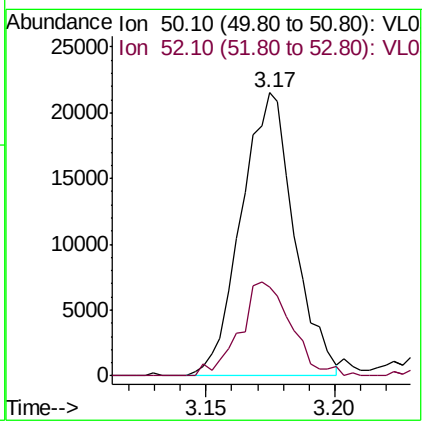


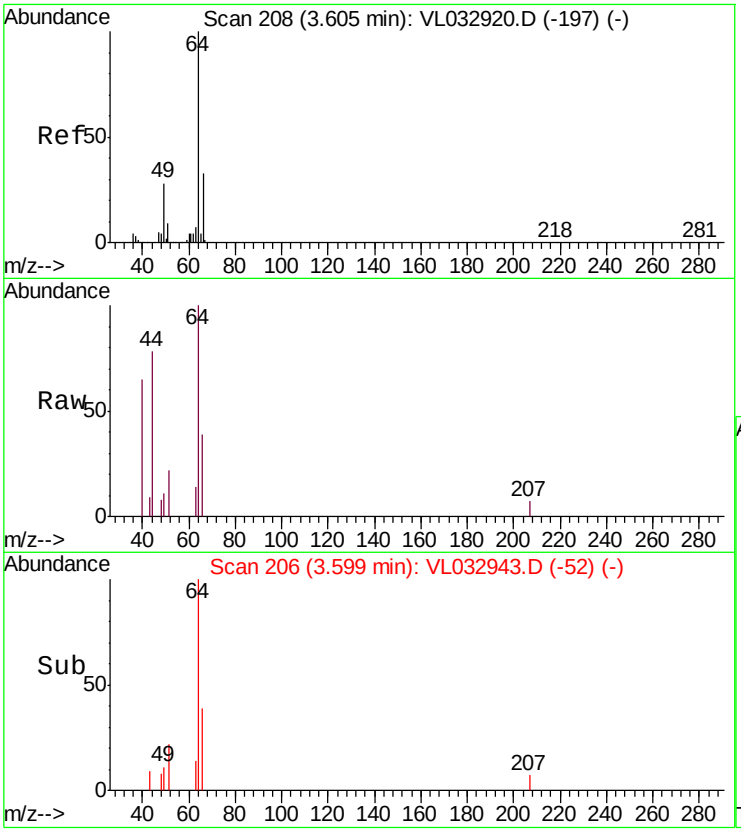


#4
Chloromethane
Concen: 0.578 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Tgt Ion: 50 Resp: 30844

Ion	Ratio	Lower	Upper
50	100		
52	31.5	27.3	40.9



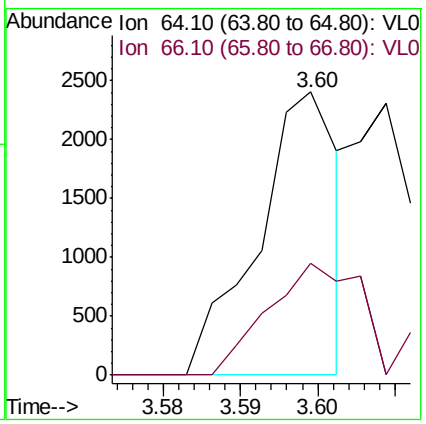


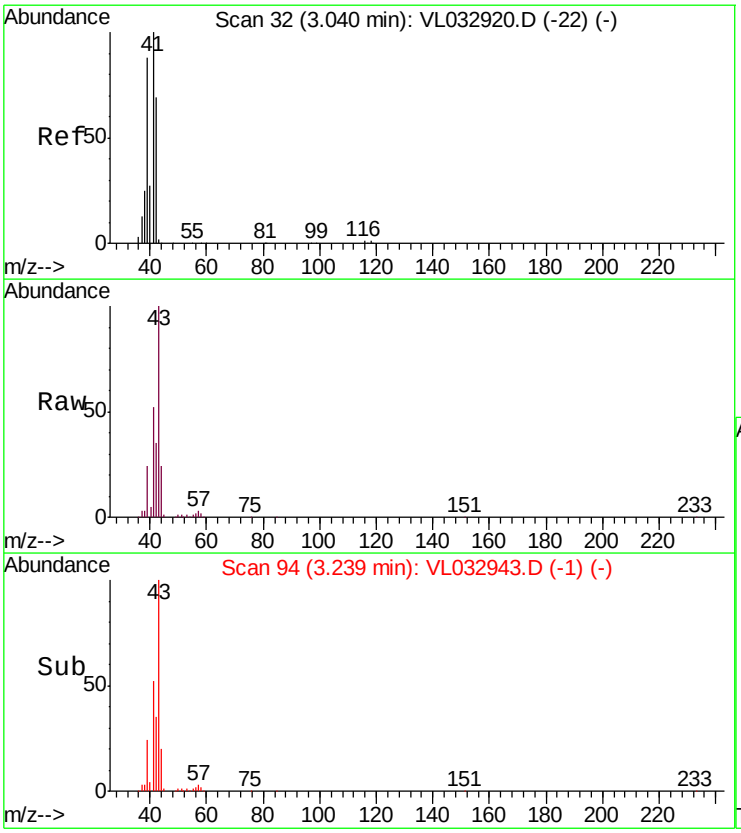
#7
Chloroethane
Concen: 0.089 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.01 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 64 Resp: 1733

Ion	Ratio	Lower	Upper
64	100		
66	39.4	26.6	40.0

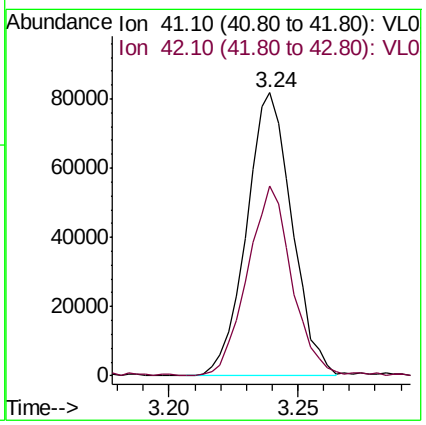


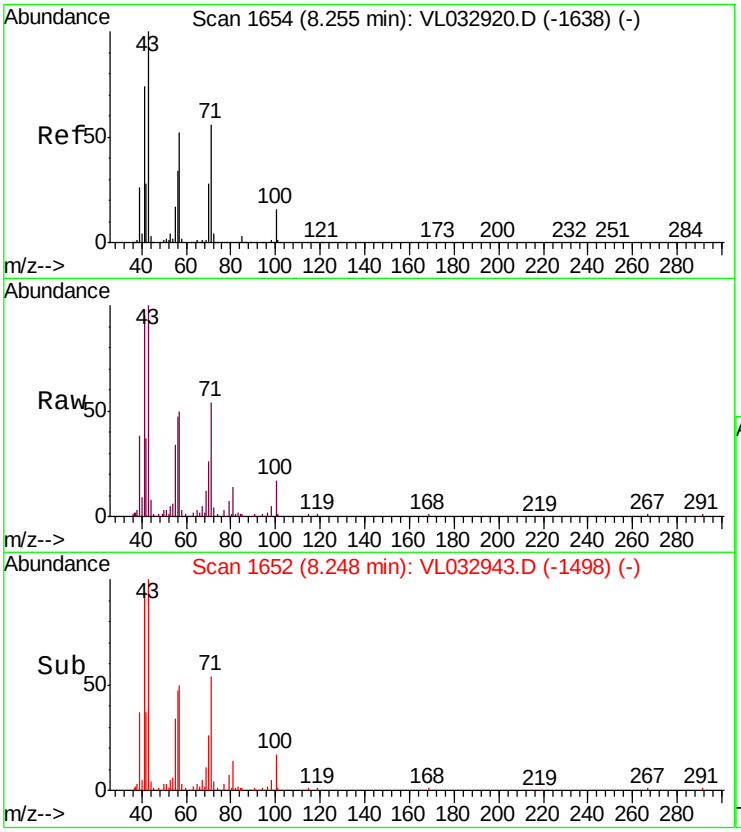


#9
Propene
Concen: 2.781 ppbv
RT: 3.24 min Scan# 94
Delta R.T. 0.20 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Tgt Ion: 41 Resp: 100739

Ion	Ratio	Lower	Upper
41	100		
42	67.4	56.2	84.2



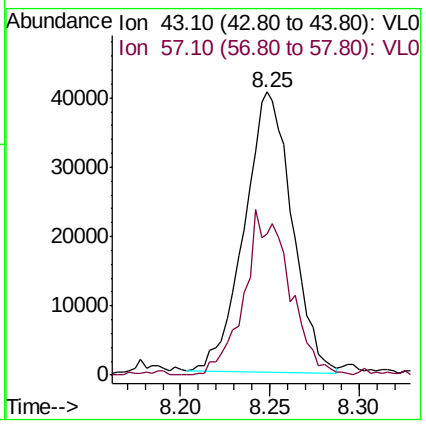


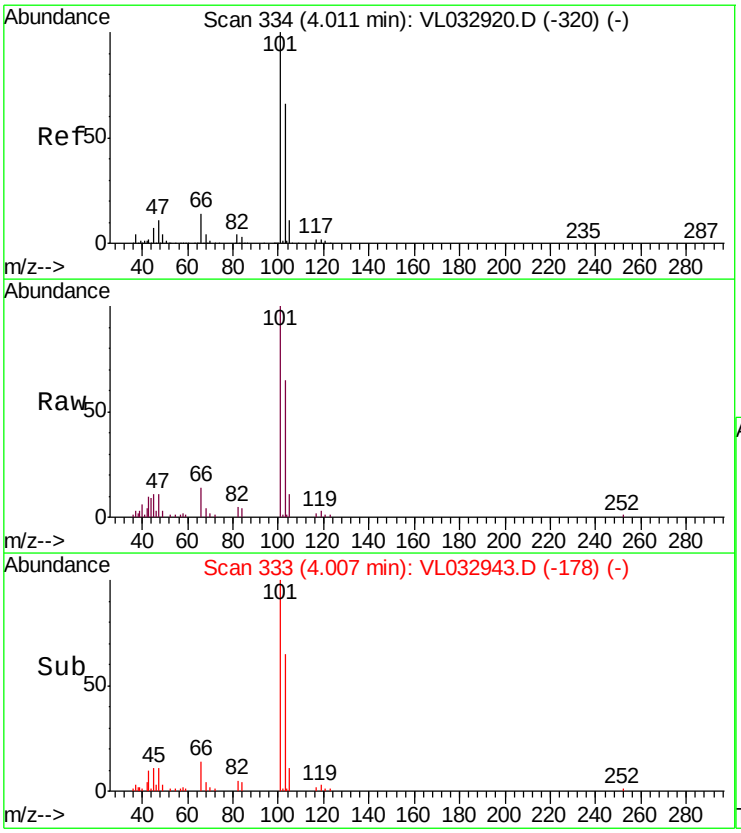
#10
Heptane
Concen: 0.553 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. -0.01 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 43 Resp: 75290

Ion	Ratio	Lower	Upper
43	100		
57	55.8	41.8	62.6

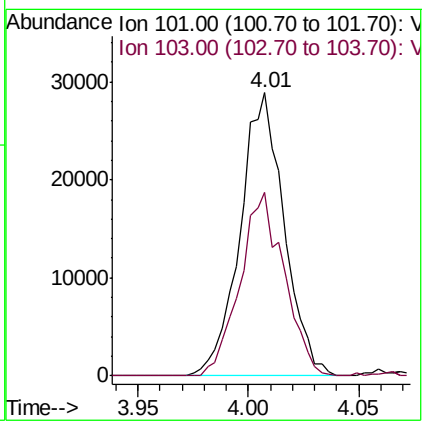


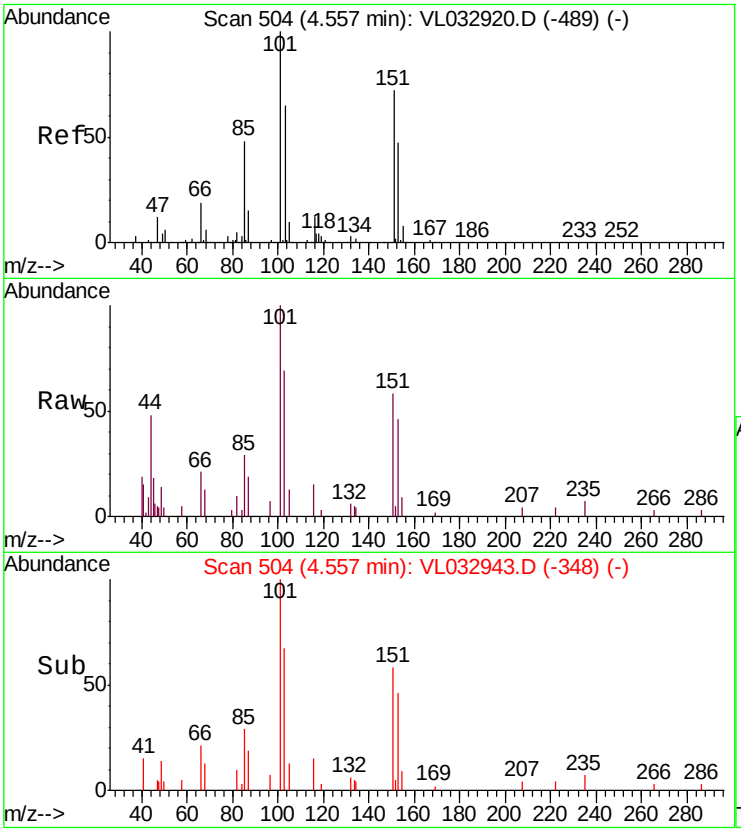


#11
Trichlorofluoromethane
Concen: 0.263 ppbv
RT: 4.01 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Tgt Ion:101 Resp: 39963

Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.7	79.1



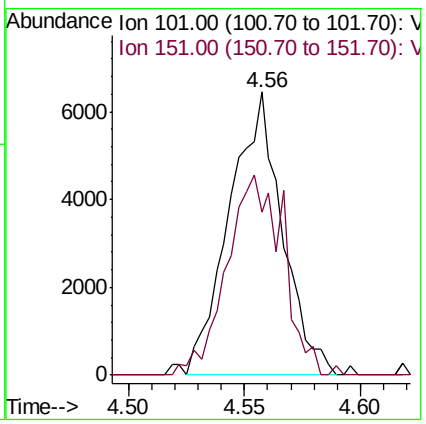


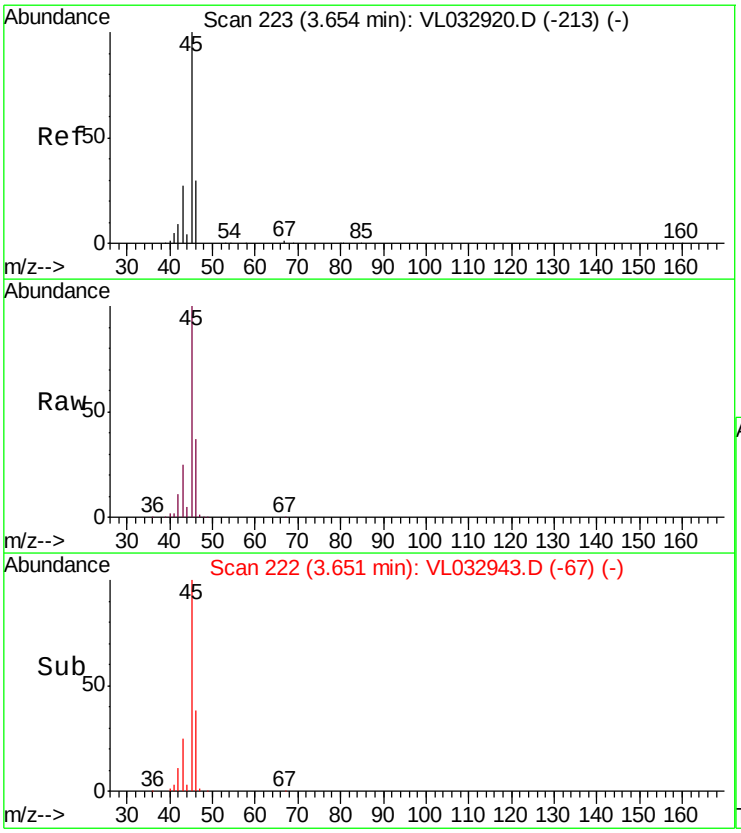
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.079 ppbv
RT: 4.56 min Scan# 504
Delta R.T. 0.00 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:101 Resp: 10225

Ion	Ratio	Lower	Upper
101	100		
151	75.6	59.3	88.9

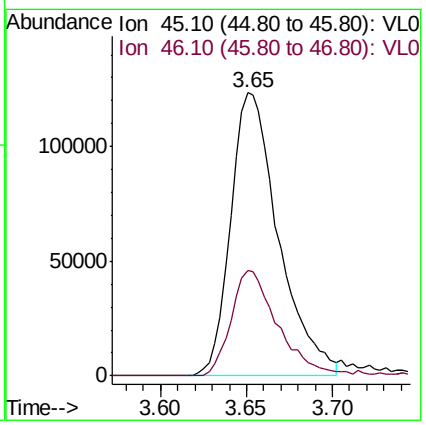


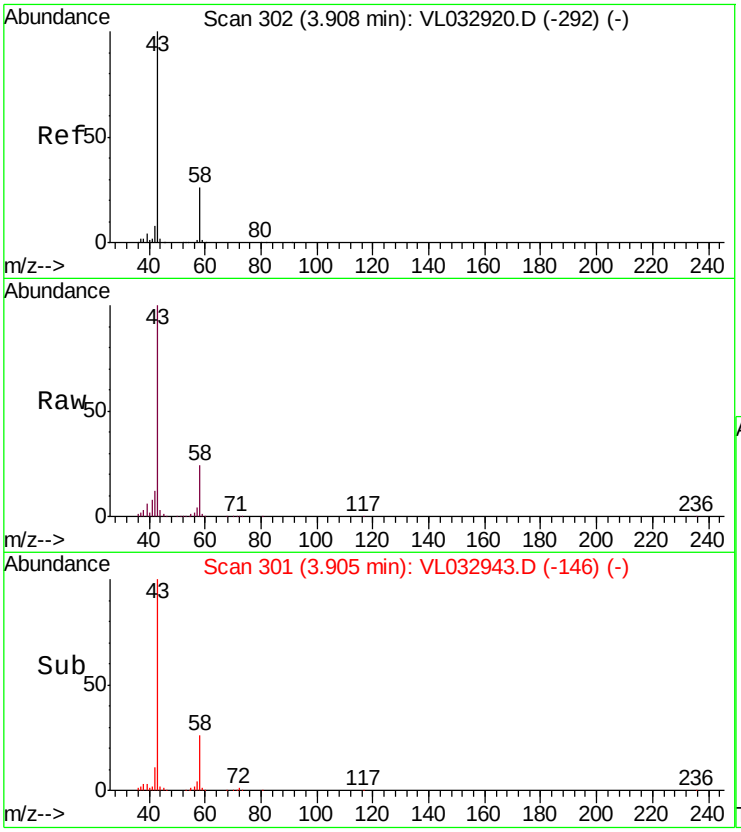


#13
Ethanol
Concen: 19.222 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Tgt Ion: 45 Resp: 239724

Ion	Ratio	Lower	Upper
45	100		
46	37.3	13.8	55.4



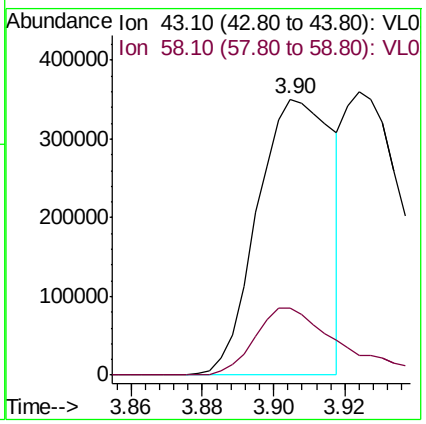


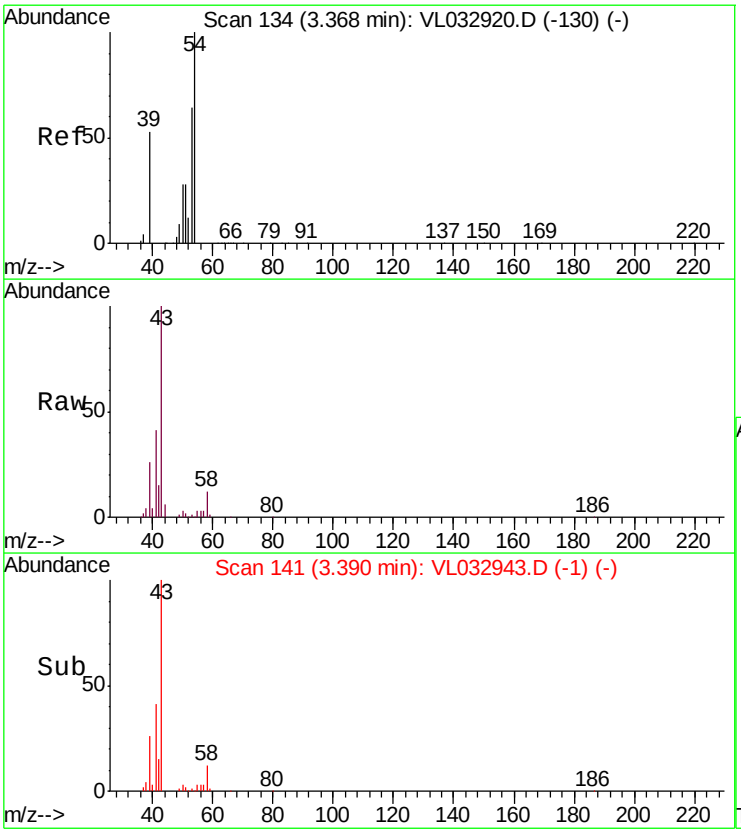
#15
Acetone
Concen: 4.903 ppbv
RT: 3.90 min Scan# 301
Delta R.T. -0.00 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 509055

Ion	Ratio	Lower	Upper
43	100		
58	28.3	20.6	30.8

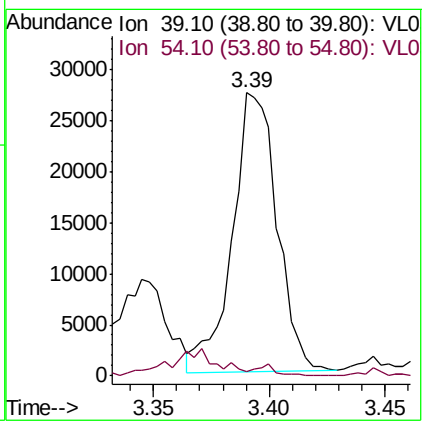


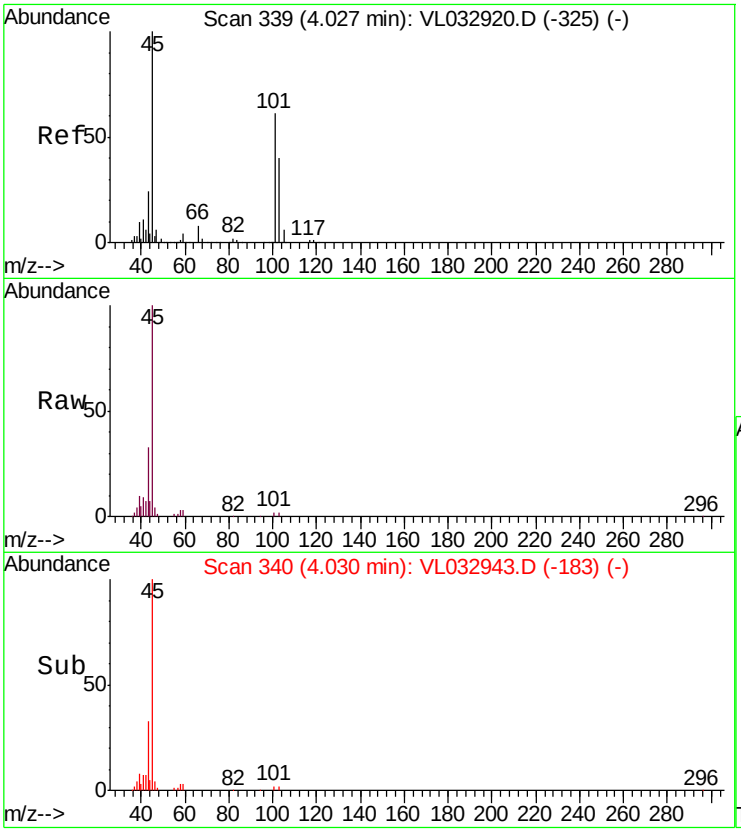


#16
1,3-Butadiene
Concen: 0.891 ppbv
RT: 3.39 min Scan# 141
Delta R.T. 0.02 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Tgt Ion: 39 Resp: 36696

Ion	Ratio	Lower	Upper
39	100		
54	12.3	72.7	109.1#



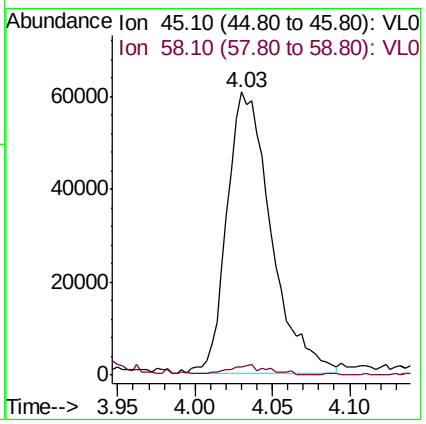


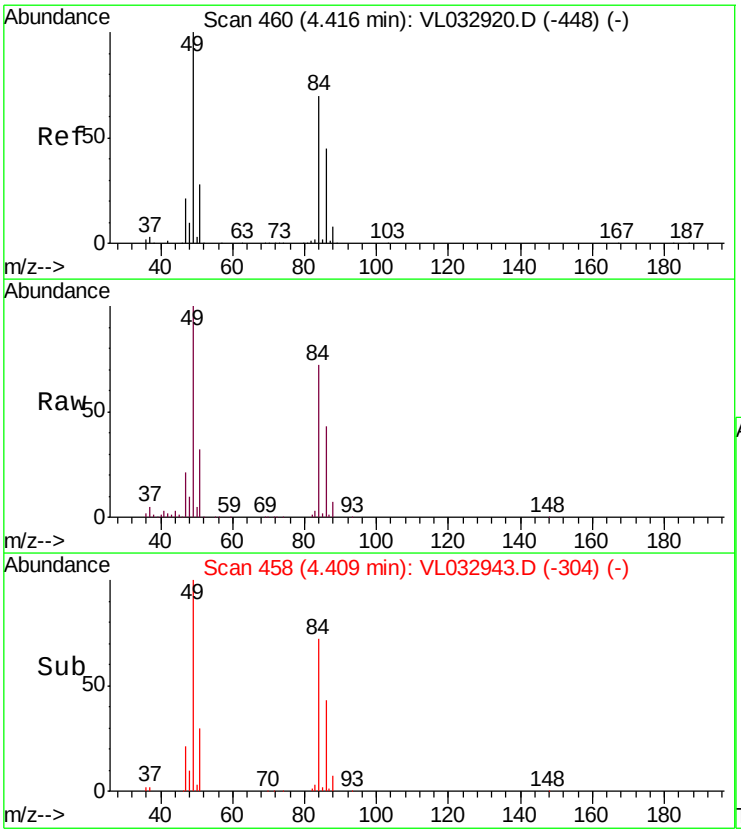
#19
Isopropyl Alcohol
Concen: 1.837 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.00 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 45 Resp: 119756

Ion	Ratio	Lower	Upper
45	100		
58	4.2	1.4	2.2#

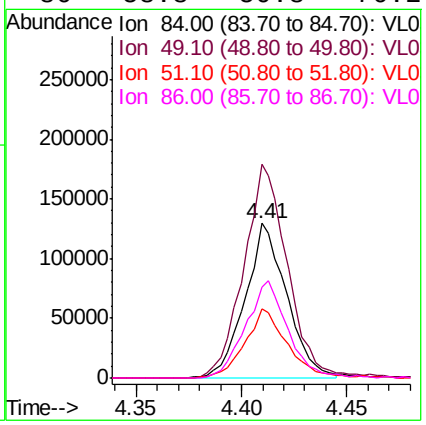


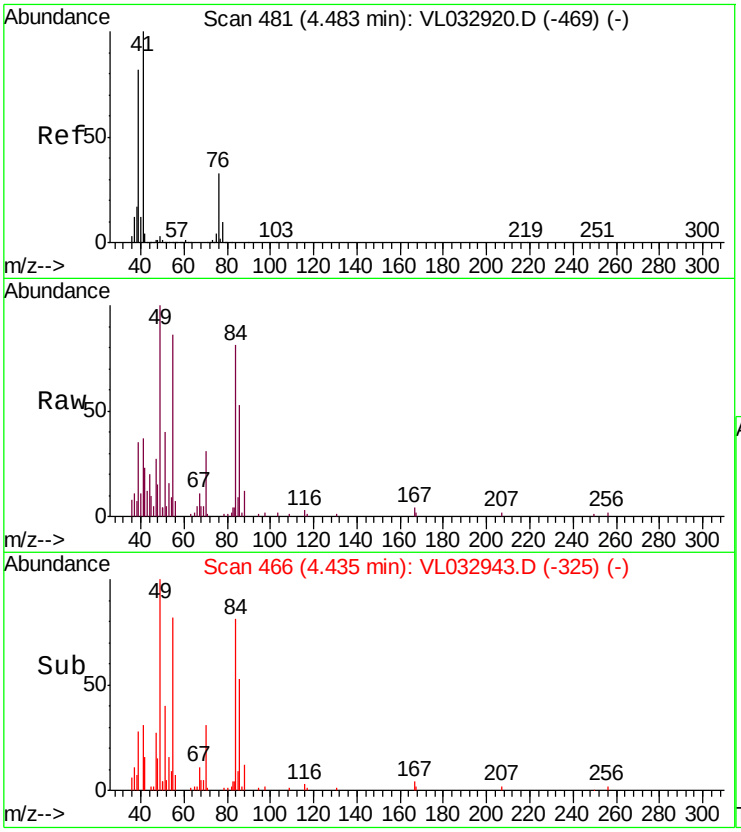


#20
Methylene Chloride
Concen: 3.497 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.01 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Tgt Ion: 84 Resp: 177460

Ion	Ratio	Lower	Upper
84	100		
49	138.3	113.8	170.8
51	44.3	31.8	47.8
86	58.8	50.8	76.2



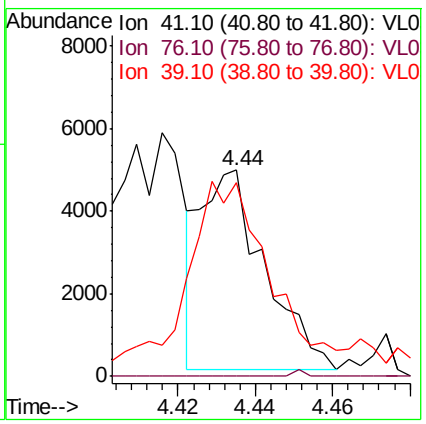


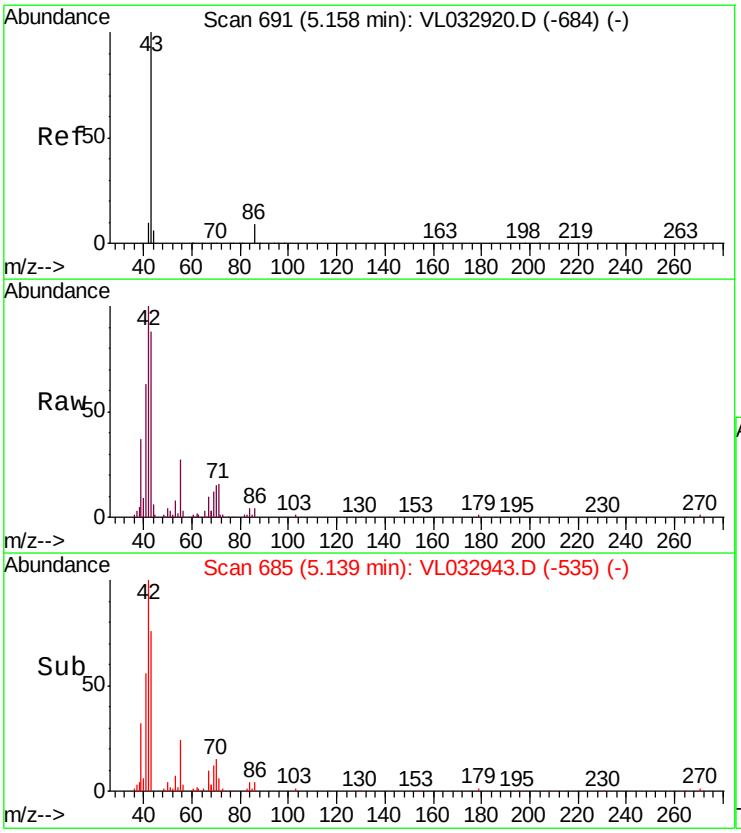
#21
Allyl Chloride
Concen: 0.066 ppbv
RT: 4.44 min Scan# 466
Delta R.T. -0.05 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 41 Resp: 5564

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.2	37.8#
39	150.5	65.2	97.8#

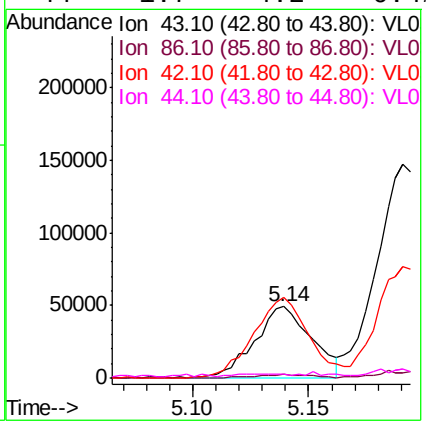


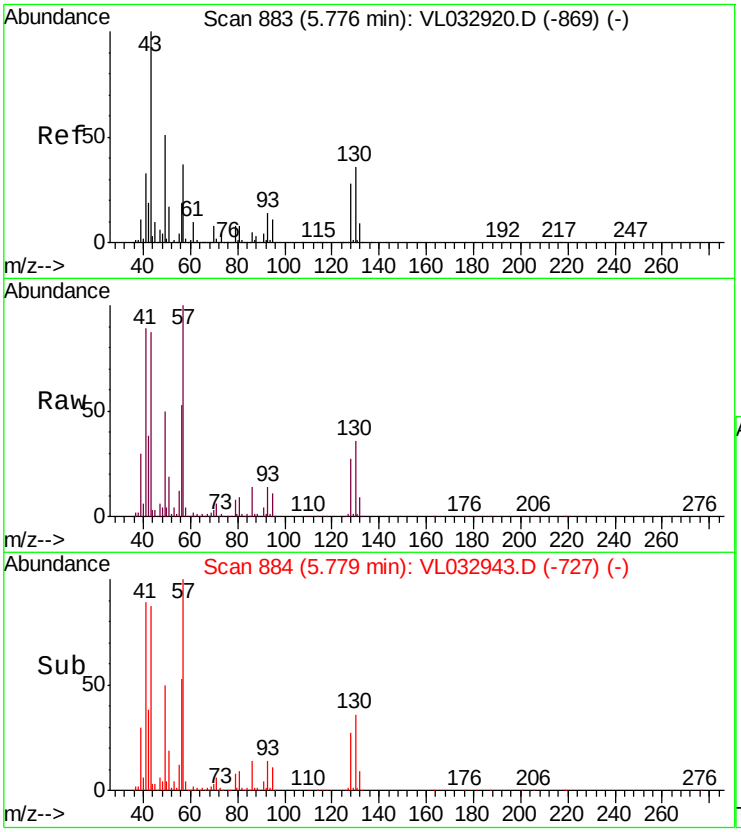


#23
Vinyl Acetate
Concen: 0.471 ppbv
RT: 5.14 min Scan# 685
Delta R.T. -0.02 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Tgt Ion: 43 Resp: 82872

Ion	Ratio	Lower	Upper
43	100		
86	4.8	6.6	9.8#
42	113.4	8.3	12.5#
44	1.7	4.2	6.4#



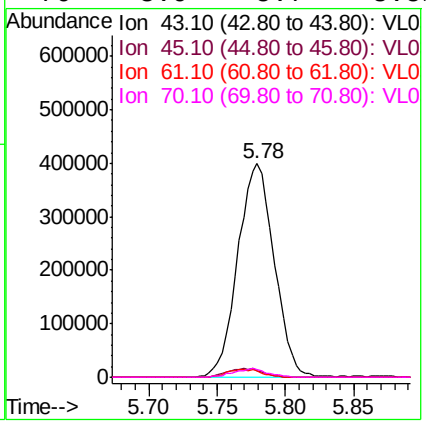


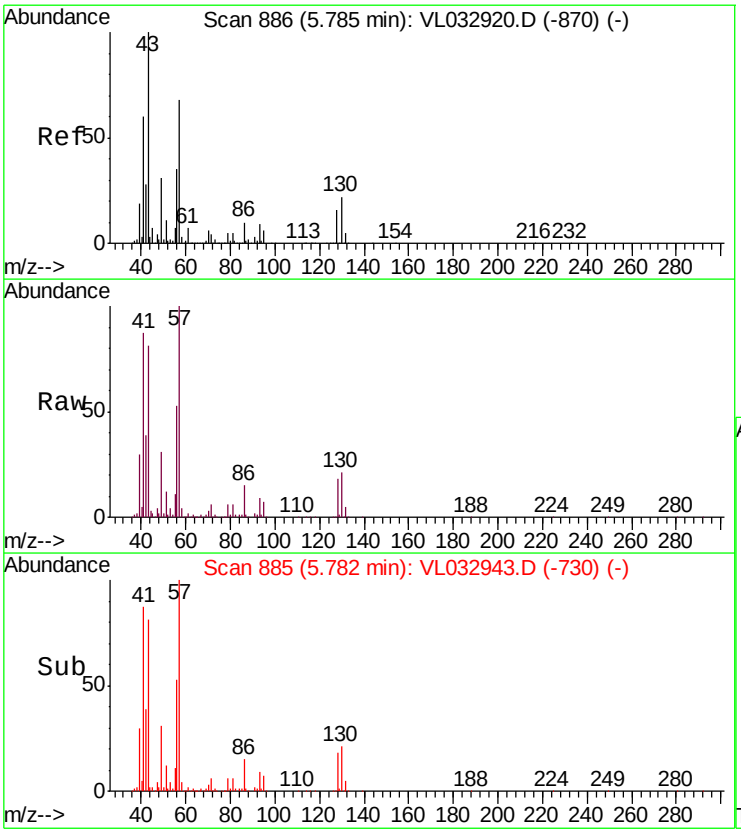
#25
Ethyl Acetate
Concen: 3.020 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 740713

Ion	Ratio	Lower	Upper
43	100		
45	4.2	7.8	11.6#
61	3.6	7.4	11.2#
70	3.9	5.7	8.5#

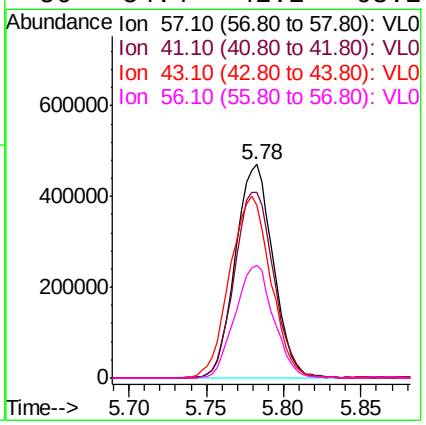


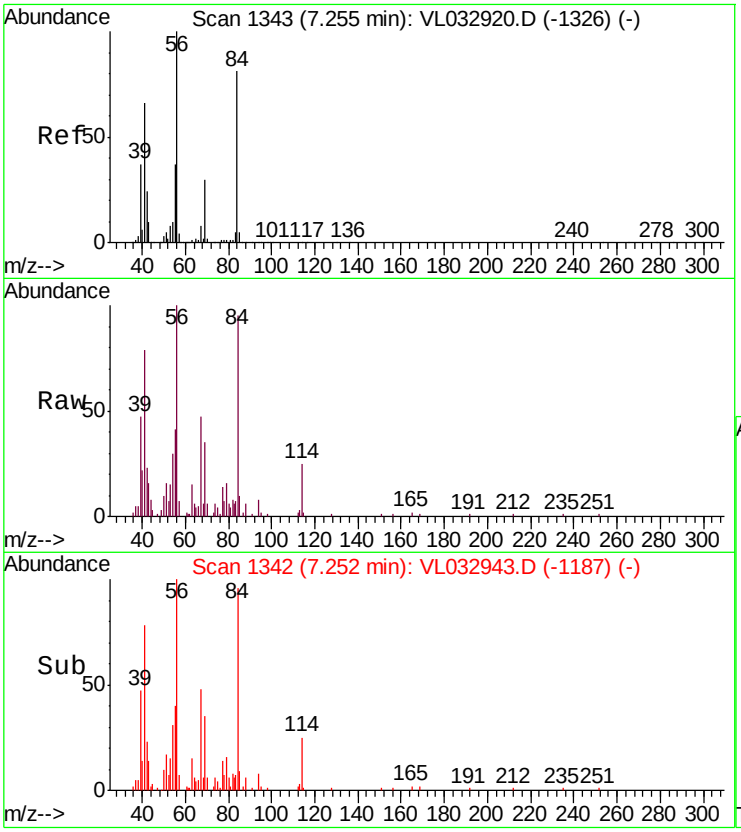


#26
Hexane
Concen: 7.026 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Tgt Ion: 57 Resp: 795586

Ion	Ratio	Lower	Upper
57	100		
41	91.5	72.2	108.2
43	93.4	171.9	257.9#
56	54.4	42.2	63.2



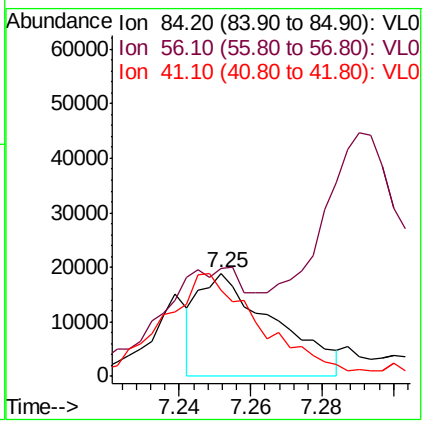


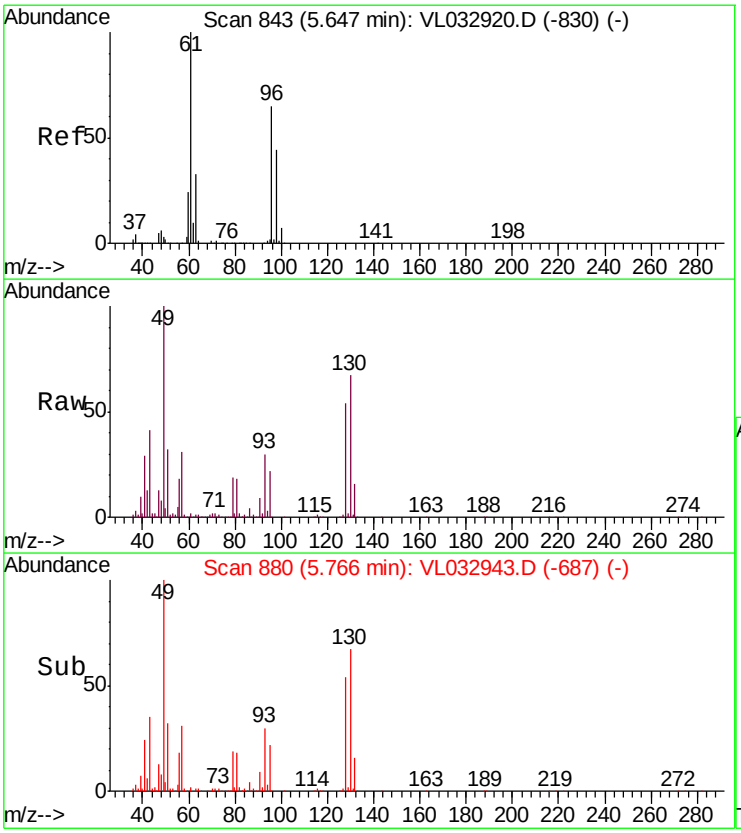
#30
Cyclohexane
Concen: 0.298 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 84 Resp: 28003

Ion	Ratio	Lower	Upper
84	100		
56	0.0	102.5	153.7#
41	130.2	64.1	96.1#

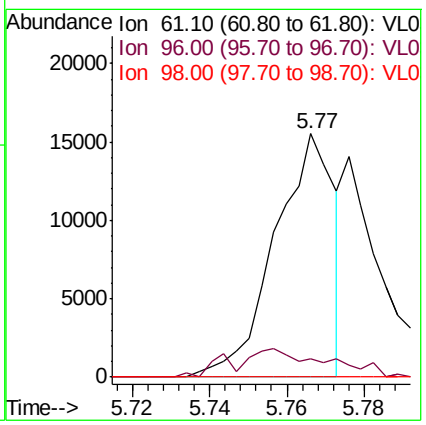


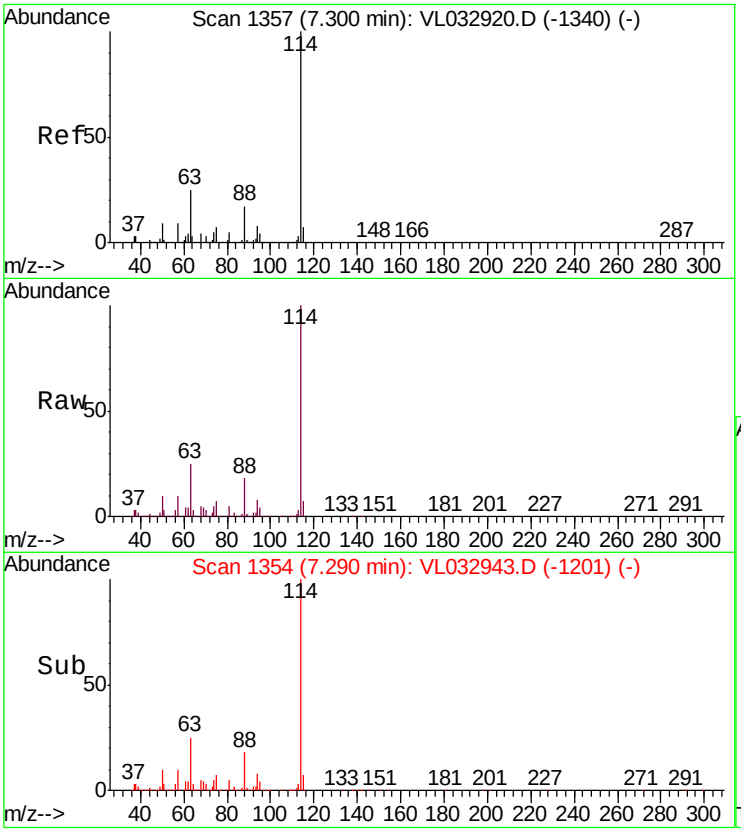


#31
cis-1,2-Dichloroethene
Concen: 0.159 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.12 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Tgt Ion: 61 Resp: 16507

Ion	Ratio	Lower	Upper
61	100		
96	6.0	51.9	77.9#
98	0.0	35.0	52.4#



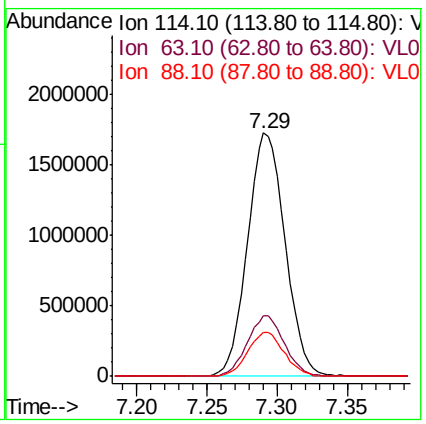


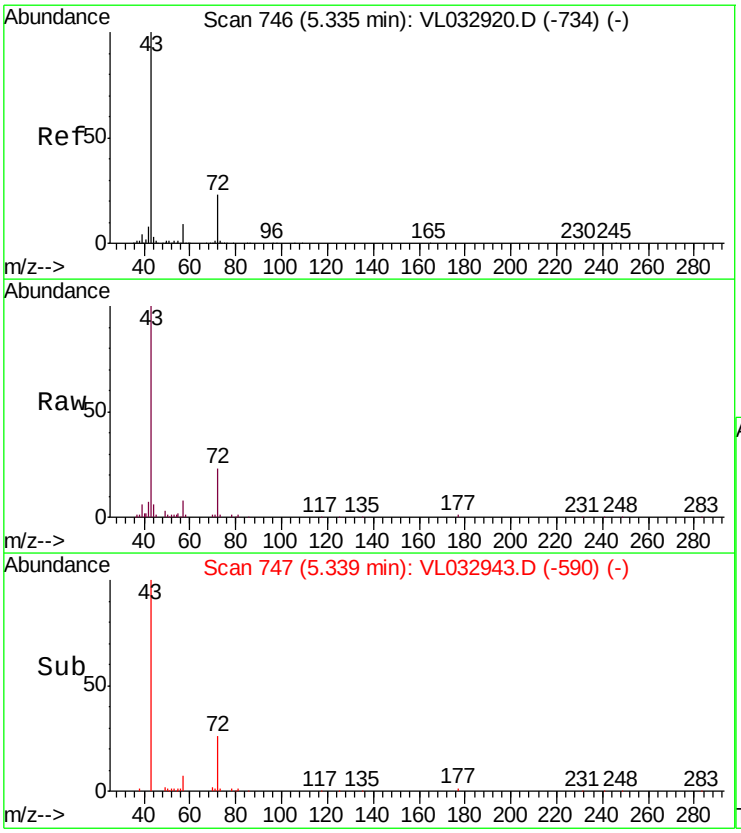
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:114 Resp: 3215528

Ion	Ratio	Lower	Upper
114	100		
63	24.6	20.1	30.1
88	17.7	14.2	21.4

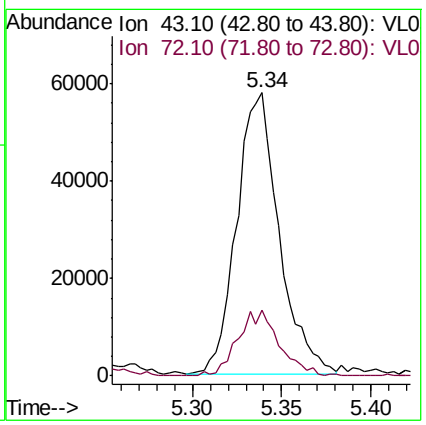


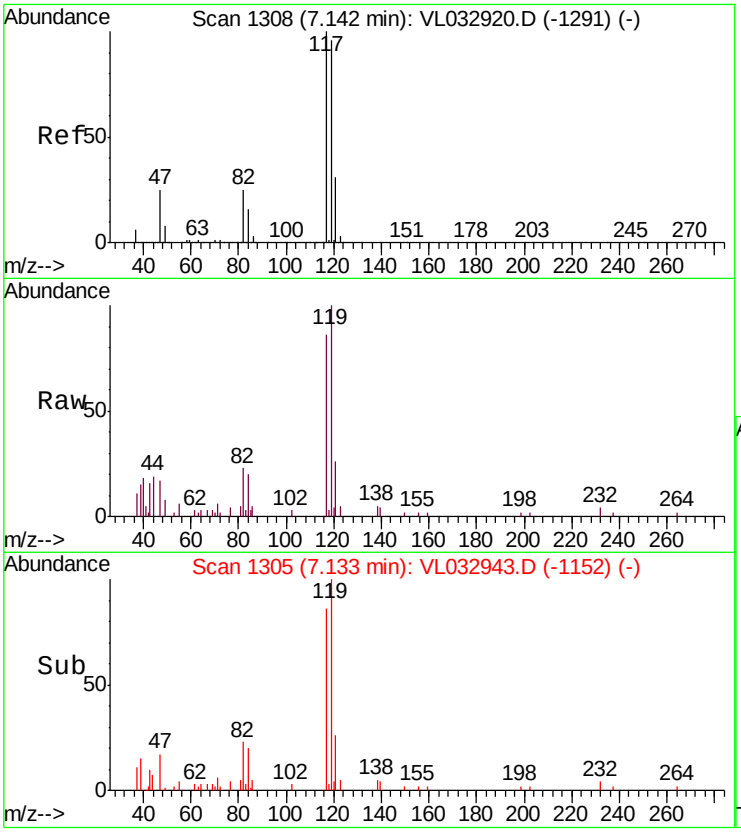


#34
2-Butanone
Concen: 0.685 ppbv
RT: 5.34 min Scan# 747
Delta R.T. 0.00 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Tgt Ion: 43 Resp: 95992

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.8	28.2



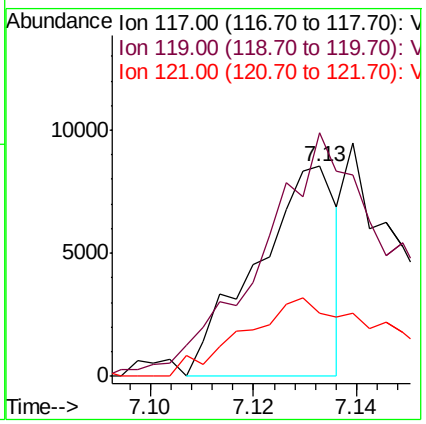


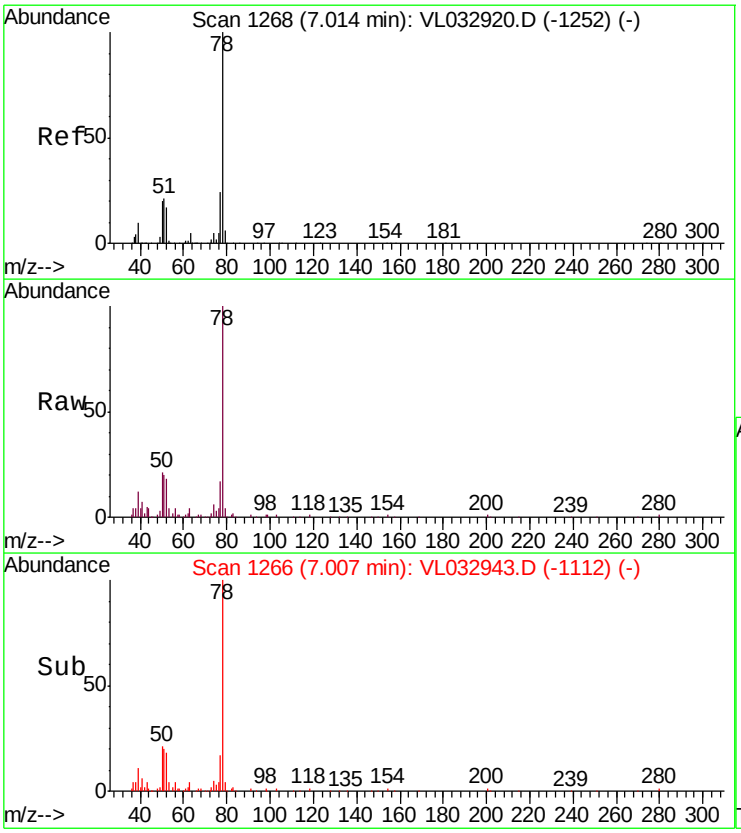
#35
Carbon Tetrachloride
Concen: 0.036 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion:117 Resp: 9216

Ion	Ratio	Lower	Upper
117	100		
119	100.9	76.5	114.7
121	19.9	24.5	36.7#

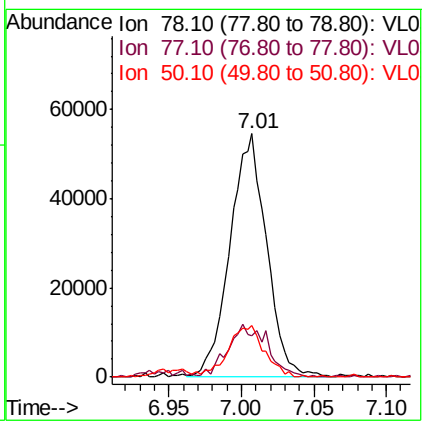


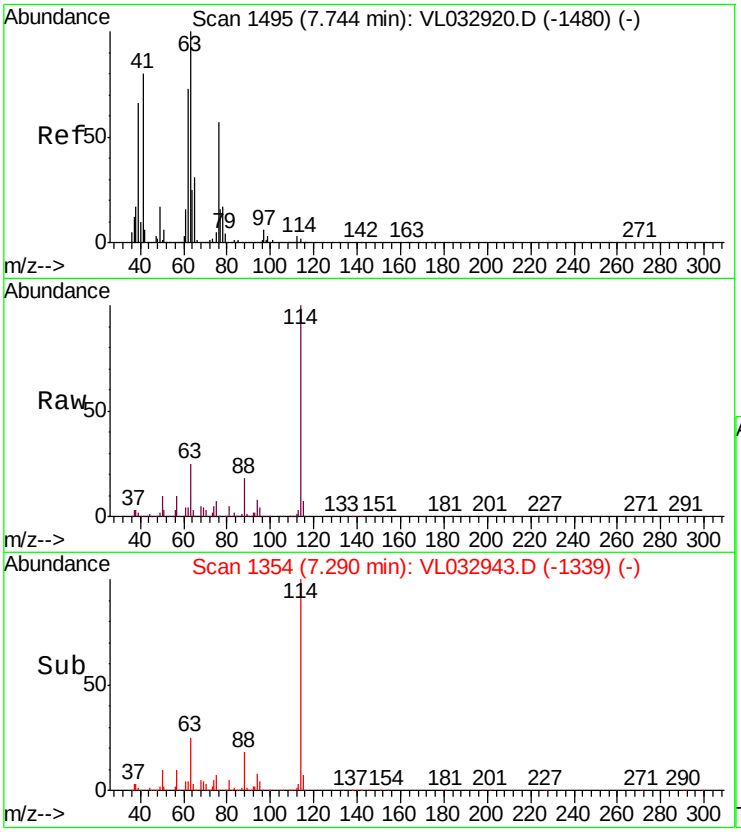


#36
Benzene
Concen: 0.405 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Tgt Ion: 78 Resp: 95714

Ion	Ratio	Lower	Upper
78	100		
77	16.4	18.9	28.3#
50	20.6	16.1	24.1



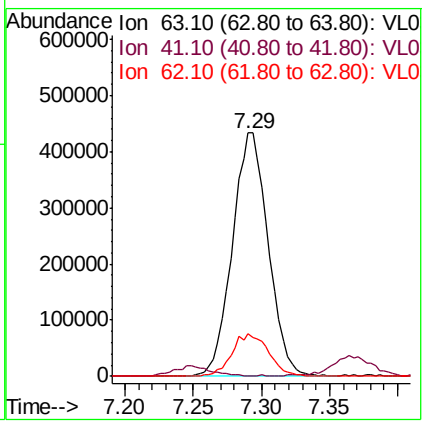


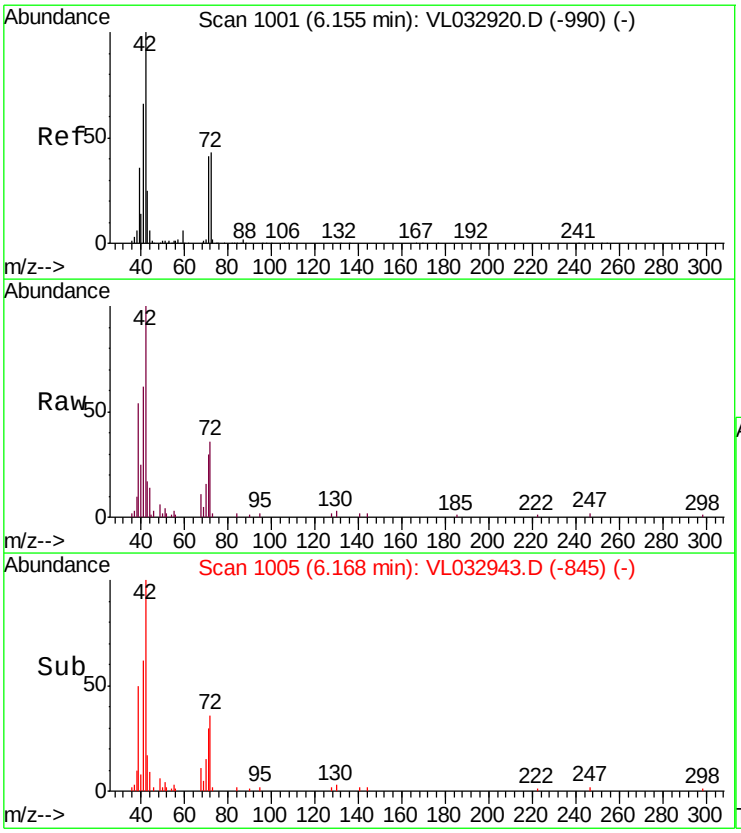
#39
1,2-Dichloropropane
Concen: 8.781 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.45 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 63 Resp: 787617

Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.9	95.9#
62	17.5	58.8	88.2#

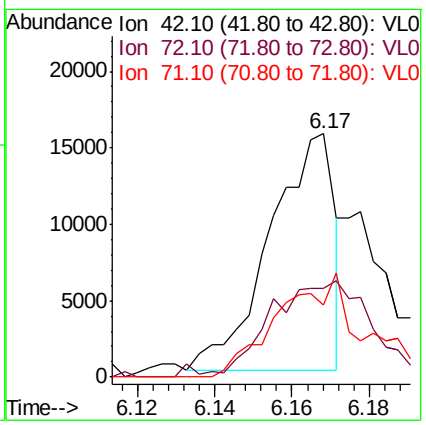


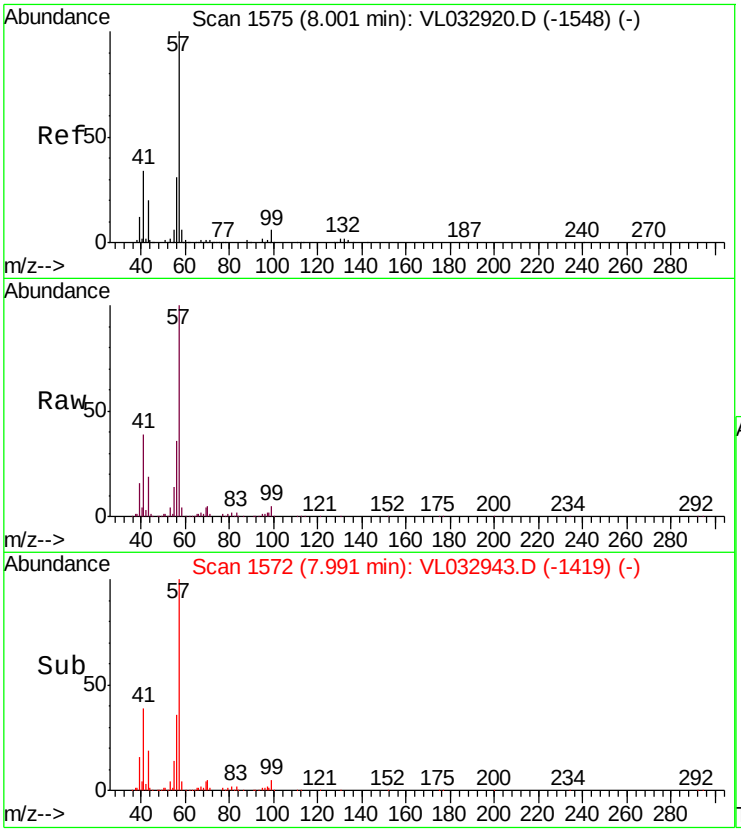


#41
Tetrahydrofuran
Concen: 0.204 ppbv
RT: 6.17 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Tgt Ion: 42 Resp: 17809

Ion	Ratio	Lower	Upper
42	100		
72	68.4	32.9	49.3#
71	61.5	32.0	48.0#



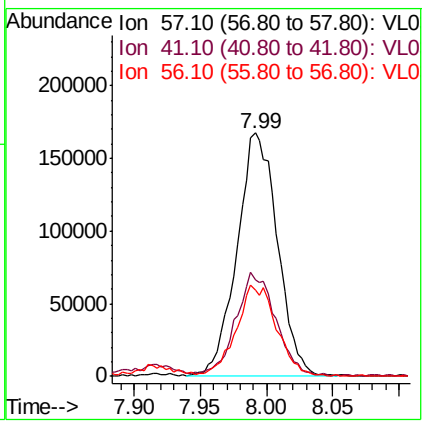


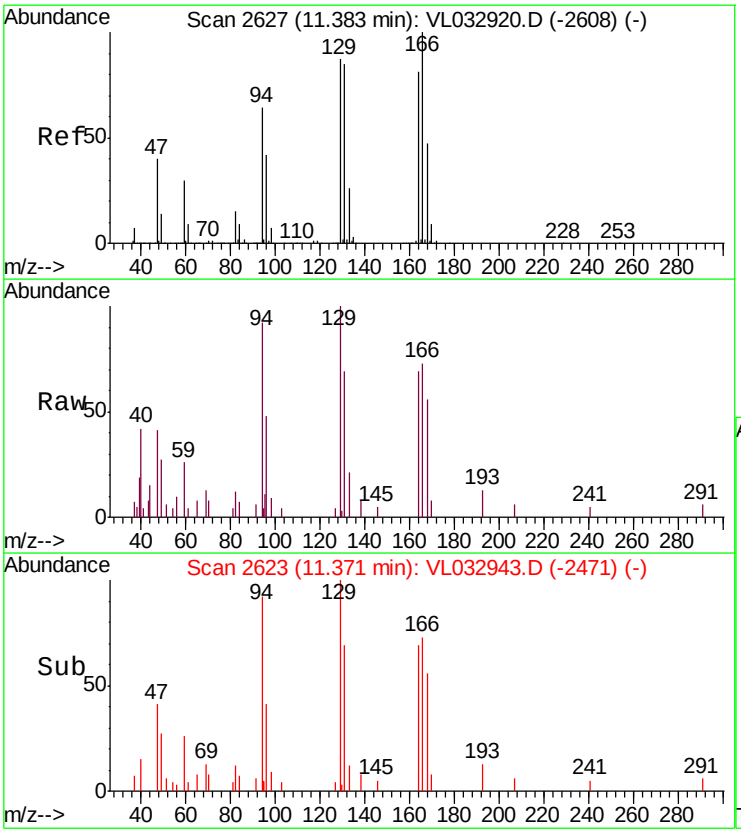
#44
2,2,4-Trimethylpentane
Concen: 0.882 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 57 Resp: 354230

Ion	Ratio	Lower	Upper
57	100		
41	41.6	27.0	40.4#
56	37.2	24.6	37.0#

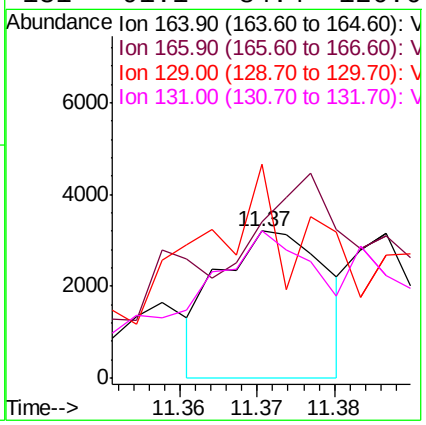


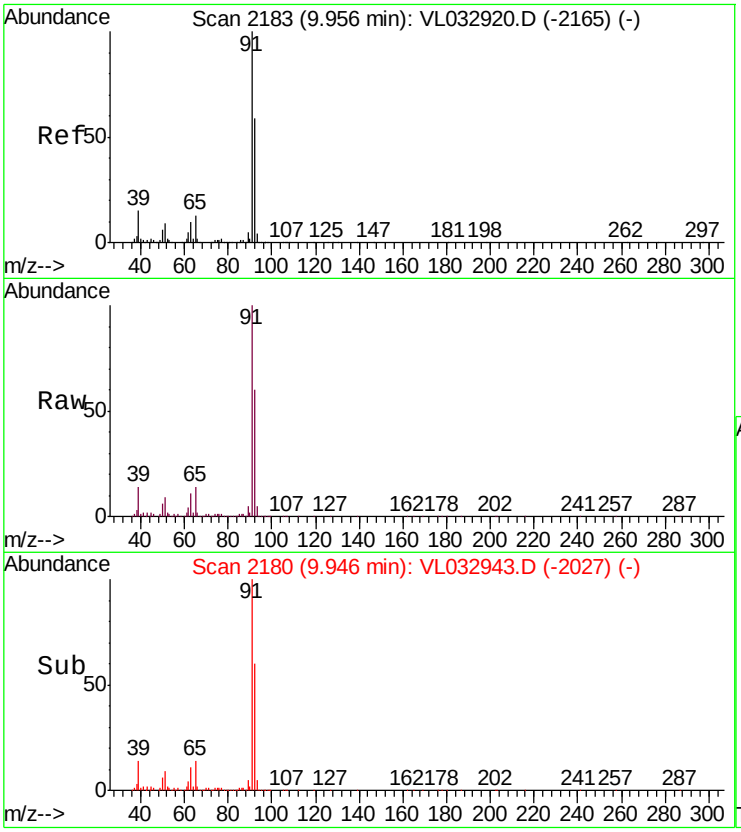


#52
Tetrachloroethene
Concen: 0.036 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.01 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Tgt Ion:164 Resp: 3076

Ion	Ratio	Lower	Upper
164	100		
166	43.5	98.8	148.2#
129	101.2	85.5	128.3
131	91.1	84.4	126.6



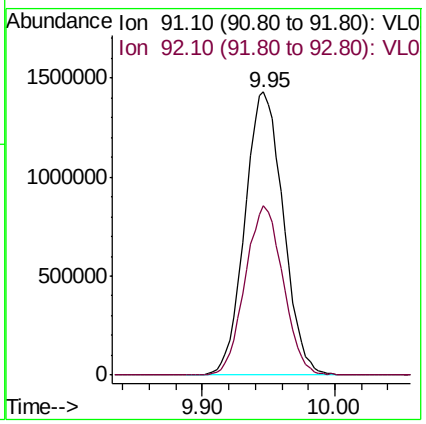


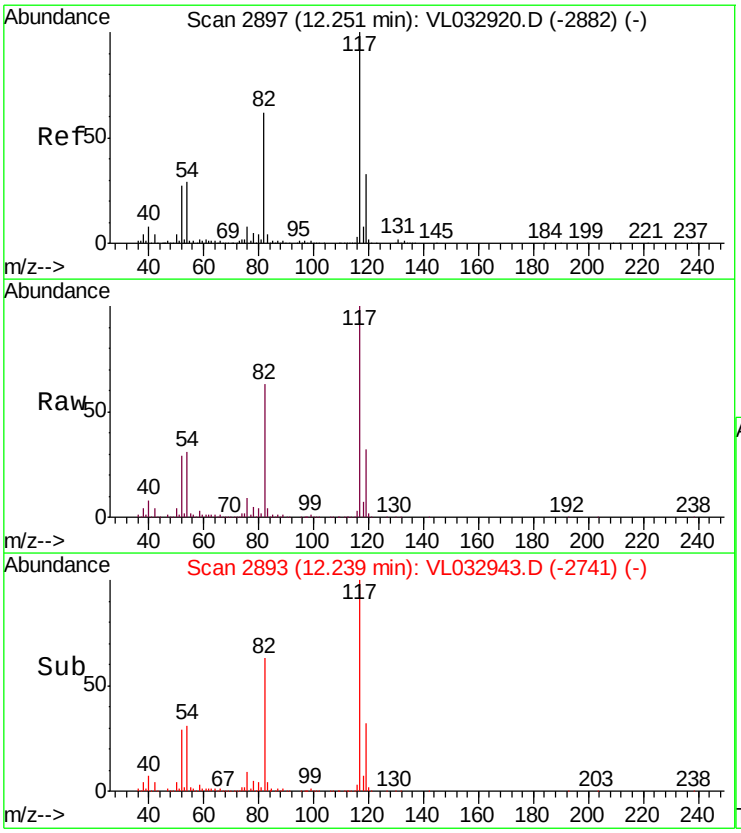
#53
Toluene
Concen: 11.483 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.01 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 91 Resp: 2880270

Ion	Ratio	Lower	Upper
91	100		
92	59.4	47.4	71.0

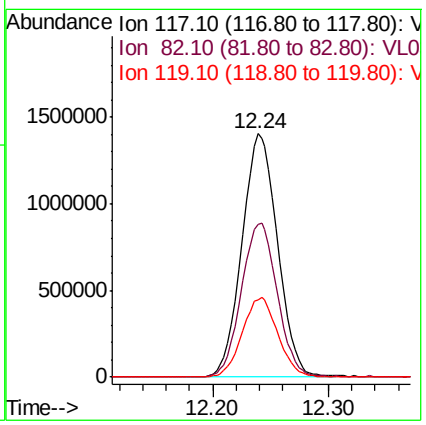


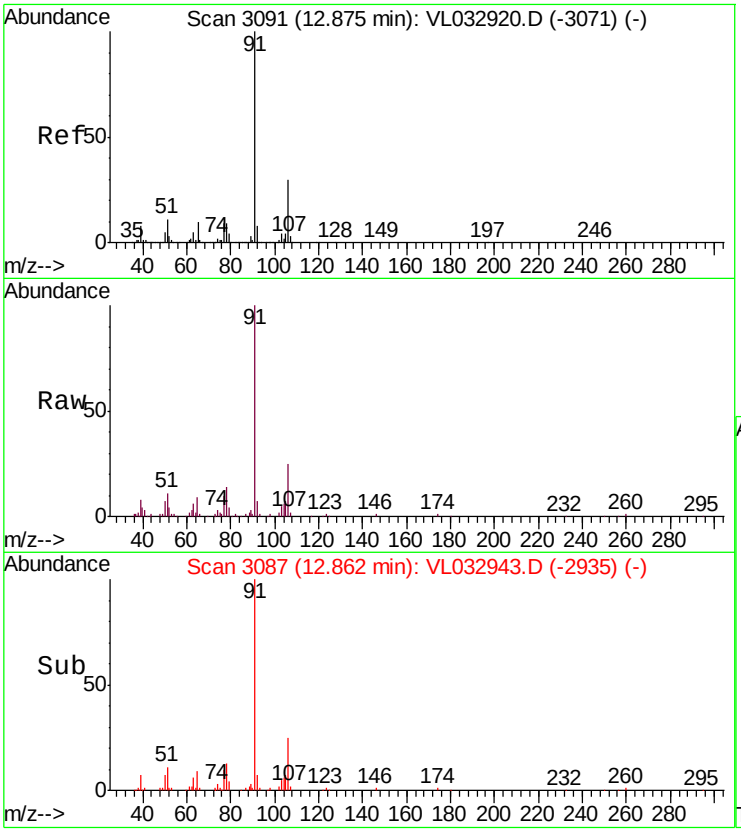


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Tgt Ion:117 Resp: 2998826

Ion	Ratio	Lower	Upper
117	100		
82	63.9	47.8	71.8
119	32.6	43.1	64.7#



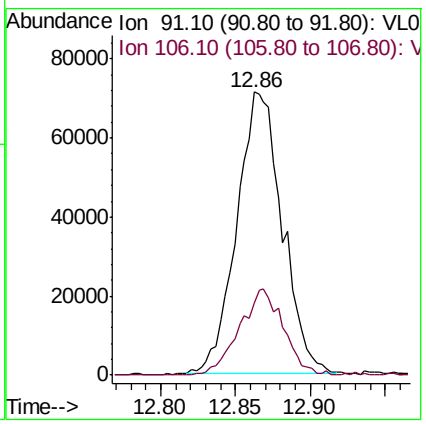


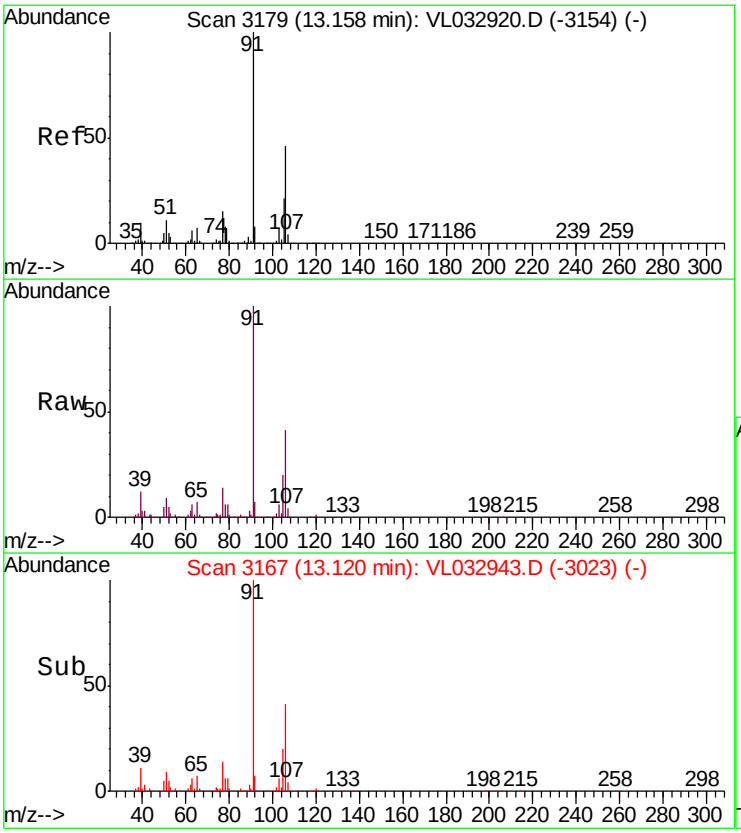
#58
Ethyl Benzene
Concen: 0.471 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 91 Resp: 150692

Ion	Ratio	Lower	Upper
91	100		
106	25.4	23.9	35.9

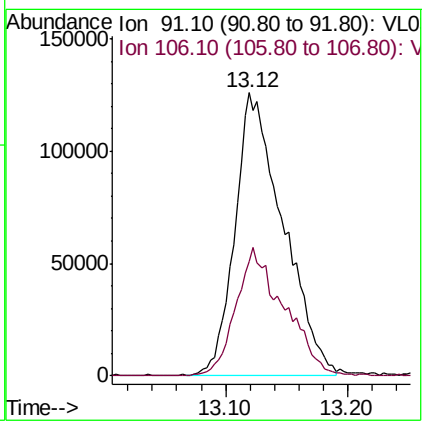


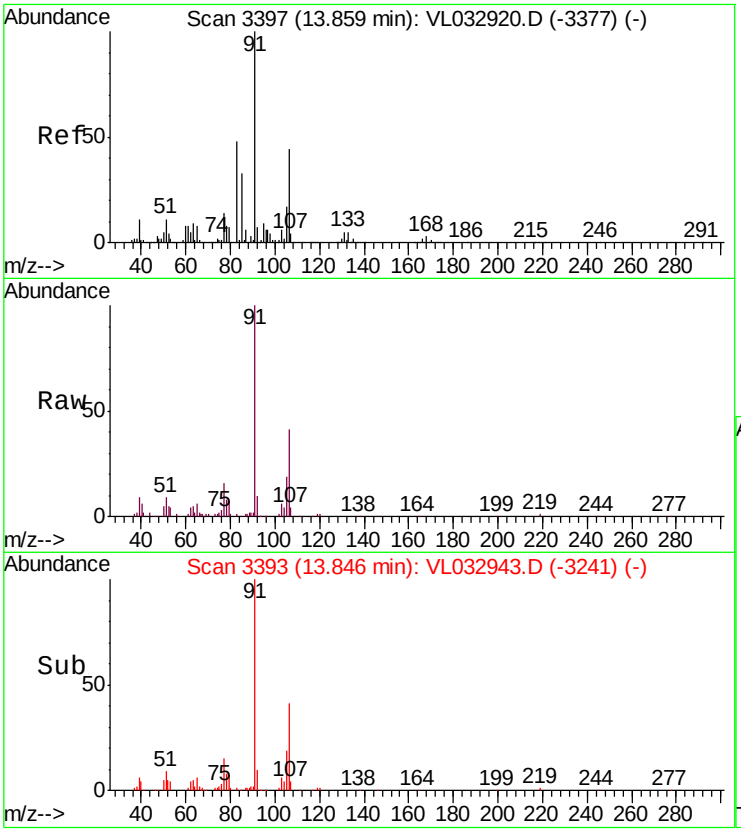


#59
m/p-Xylene
Concen: 1.177 ppbv
RT: 13.12 min Scan# 3167
Delta R.T. -0.04 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Tgt Ion: 91 Resp: 341324

Ion	Ratio	Lower	Upper
91	100		
106	45.8	0.0	0.0#



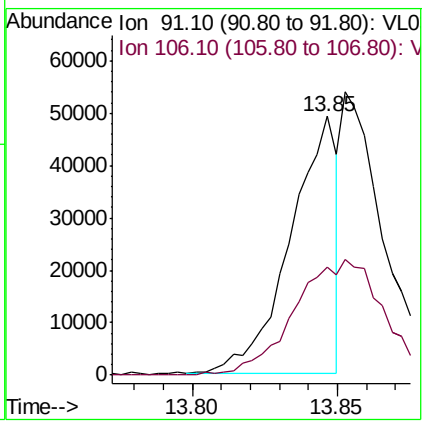


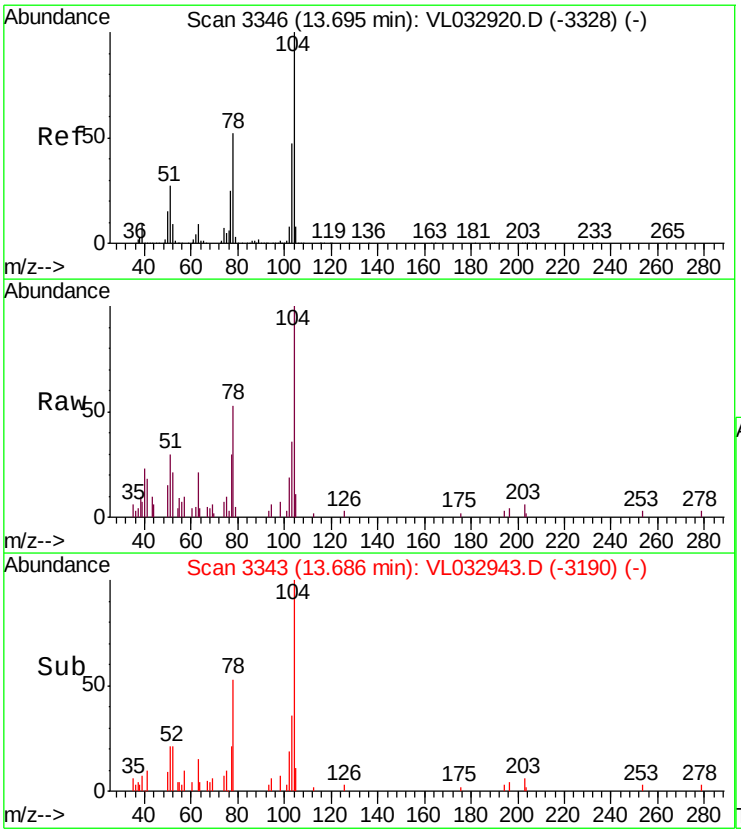
#60
o-Xylene
Concen: 0.186 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Instrument : MSVOA_L
ClientSampleId : OA1

Tgt Ion: 91 Resp: 54488

Ion	Ratio	Lower	Upper
91	100		
106	0.0	21.9	65.8#

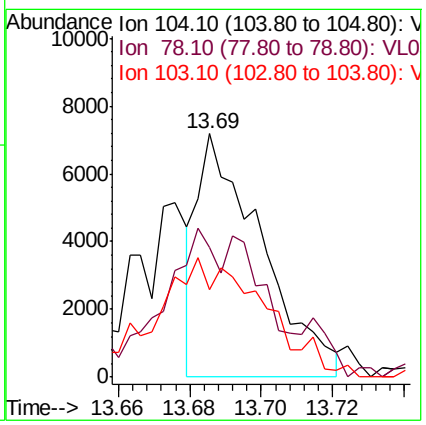


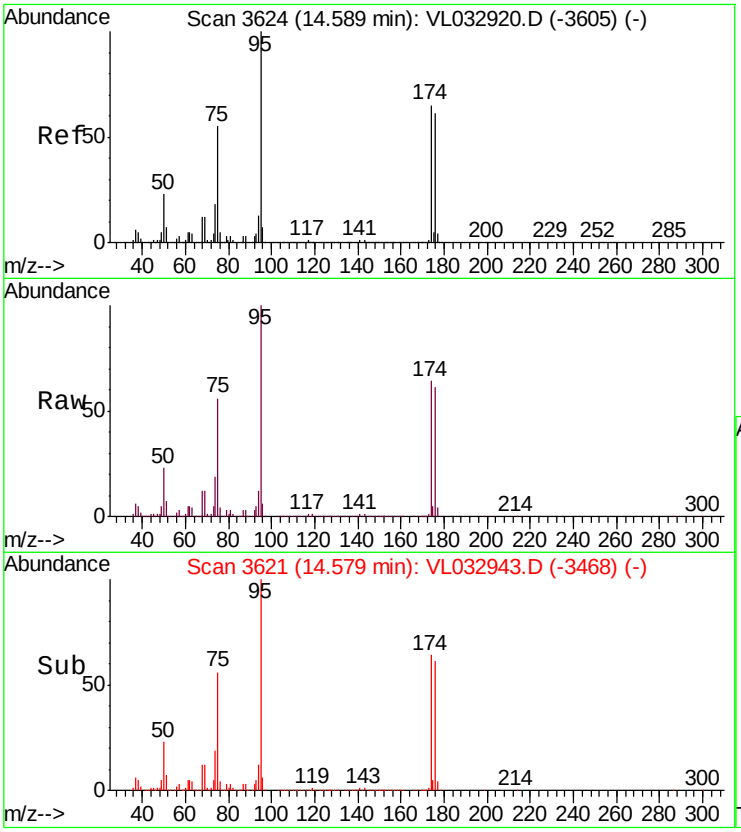


#61
Styrene
Concen: 0.046 ppbv
RT: 13.69 min Scan# 3343
Delta R.T. -0.01 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Tgt Ion:104 Resp: 8913

Ion	Ratio	Lower	Upper
104	100		
78	108.8	42.0	63.0#
103	85.2	38.3	57.5#



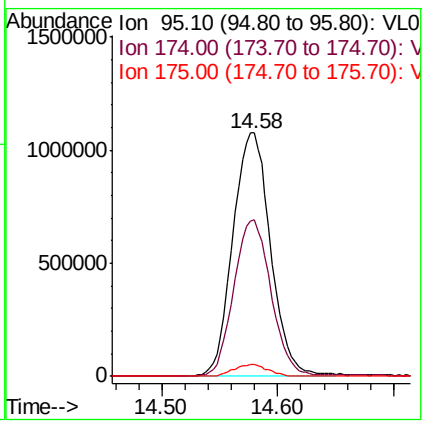


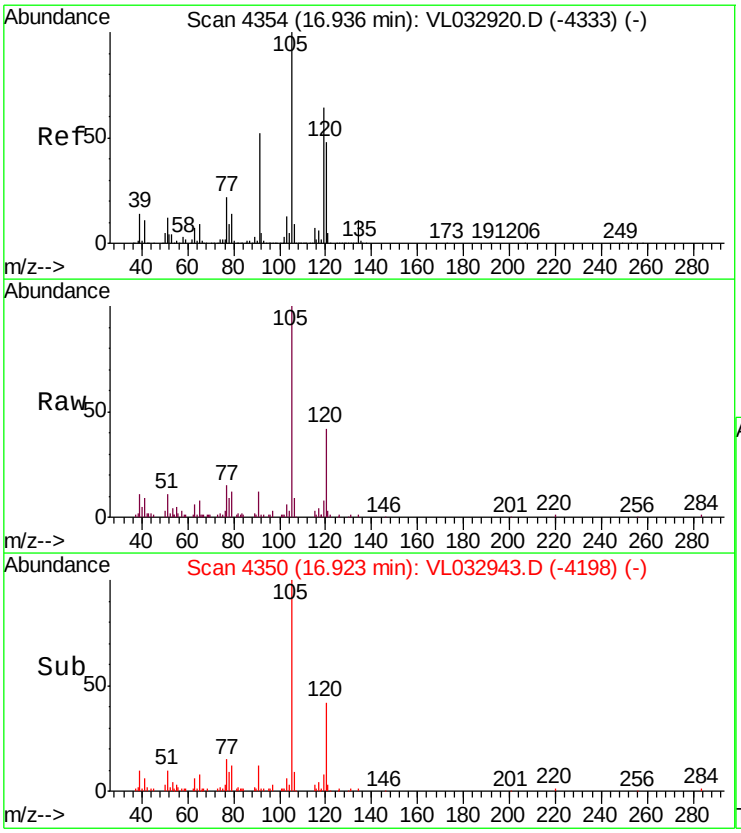
#68
1-Bromo-4-Fluorobenzene
Concen: 10.960 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 95 Resp: 2428080

Ion	Ratio	Lower	Upper
95	100		
174	64.5	51.4	77.0
175	4.6	3.8	5.6





#74
1,2,4-Trimethylbenzene
Concen: 0.256 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.01 min
Lab File: VL032943.D
Acq: 7 Dec 2018 20:32

Tgt Ion:105 Resp: 92258

Ion	Ratio	Lower	Upper
105	100		
120	42.2	38.6	58.0
91	12.3	41.7	62.5#
77	15.3	17.4	26.2#