Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032919\
Data File : VL033510.D
Acq On : 29 Mar 2019 20:12
Operator : SY/AP
Sample : K2042-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 30 01:12:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	840418	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1941549	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	1920501	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1504514	9.99	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	9300	0.08	ppbv	#	86
3) Chlorodifluoromethane	2.99	51	1387222	14.34	ppbv	#	57
4) Chloromethane	3.17	50	1683	0.03	ppbv		90
9) Propene	3.24	41	10885	0.27	ppbv		88
13) Ethanol	3.65	45	253116	24.07	ppbv		66
15) Acetone	3.91	43	88242	0.87	ppbv		100
16) 1,3-Butadiene	3.35	39	2184	0.05	ppbv	#	10
19) Isopropyl Alcohol	4.03	45	11716	0.18	ppbv	#	73
20) Methylene Chloride	4.41	84	31823	0.74	ppbv		93
25) Ethyl Acetate	5.78	43	14269	0.08	ppbv	#	86
26) Hexane	5.78	57	26173	0.31	ppbv	#	42
31) cis-1,2-Dichloroethene	5.64	61	3962	0.05	ppbv	#	77
38) Trichloroethene	7.96	130	25914	0.42	ppbv		88
39) 1,2-Dichloropropane	7.29	63	515510	8.08	ppbv	#	24
53) Toluene	9.95	91	43460	0.23	ppbv		98

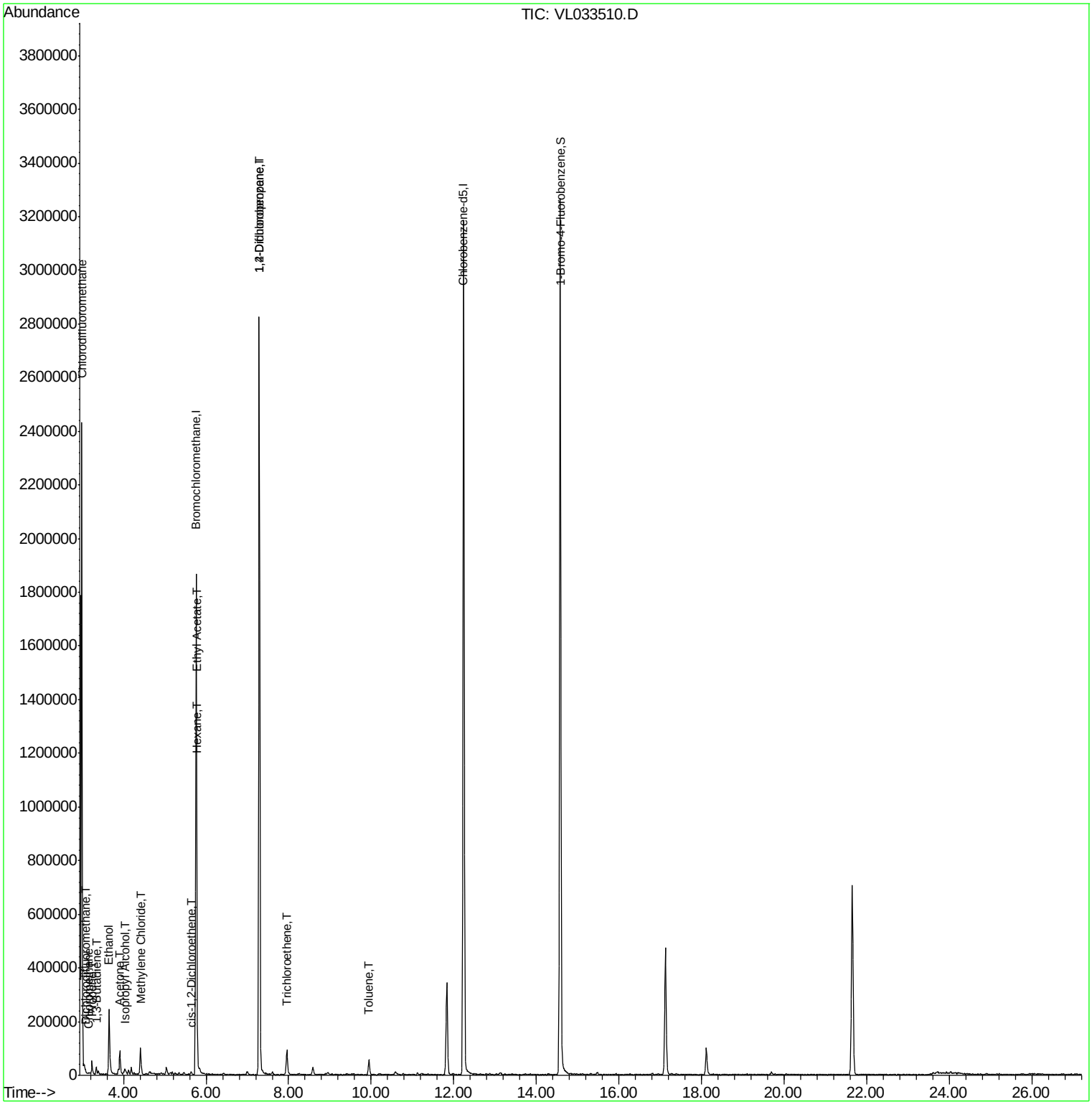
(#) = qualifier out of range (m) = manual integration (+) = signals summed

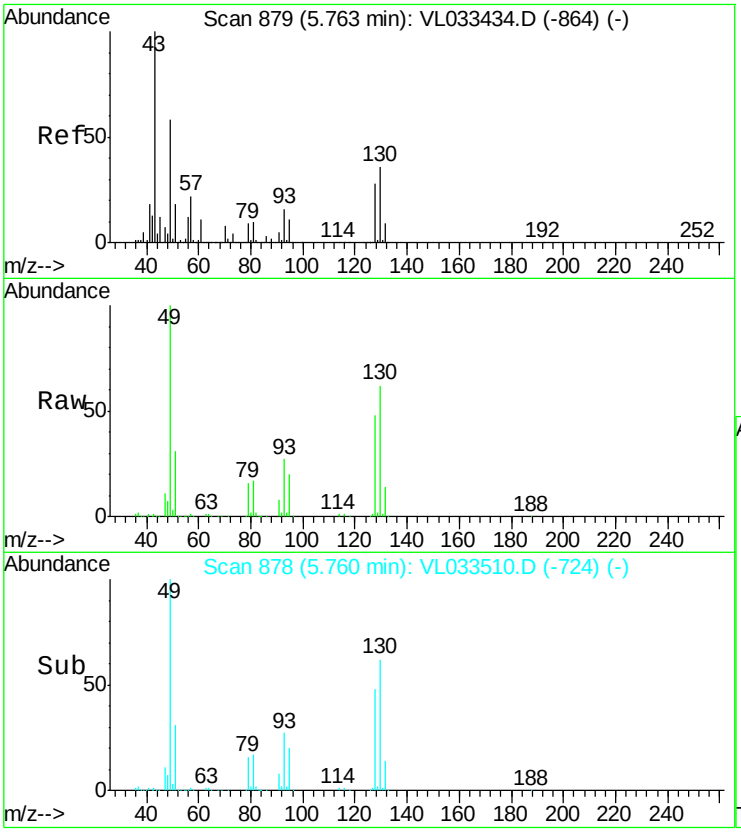
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032919\
Data File : VL033510.D
Acq On : 29 Mar 2019 20:12
Operator : SY/AP
Sample : K2042-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 30 01:12:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 26 16:00:50 2019
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration



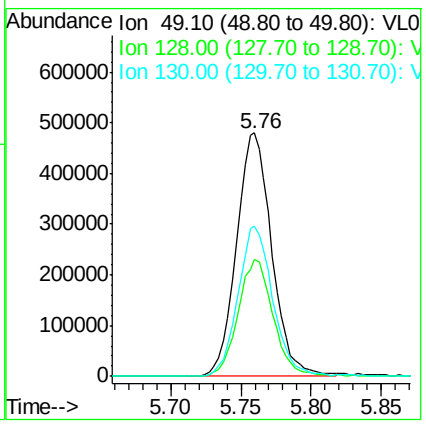


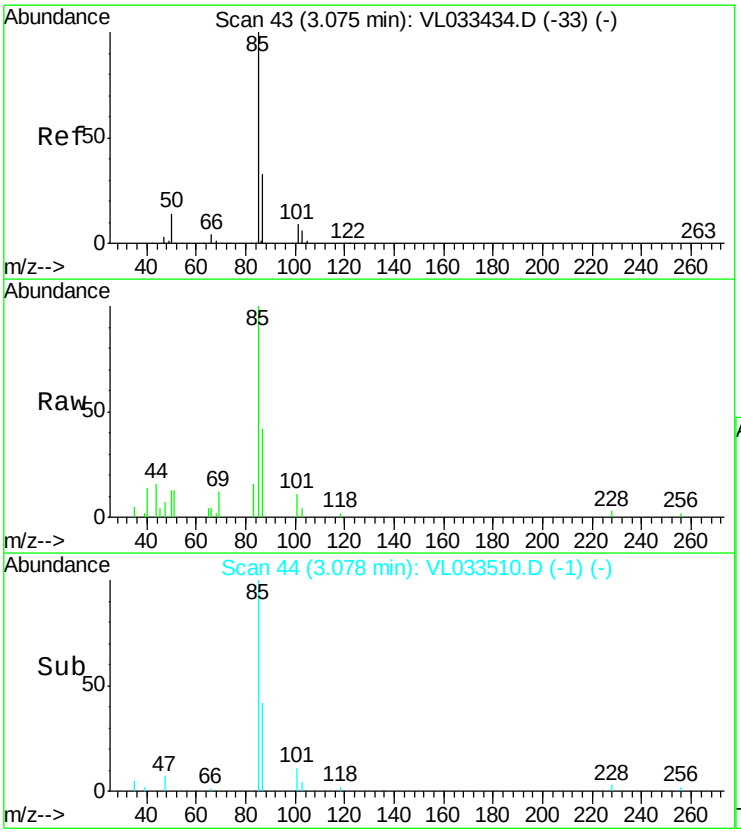
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033510.D
Acq: 29 Mar 2019 20:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 840418

Ion	Ratio	Lower	Upper
49	100		
128	48.3	24.0	72.0
130	61.3	31.2	93.6

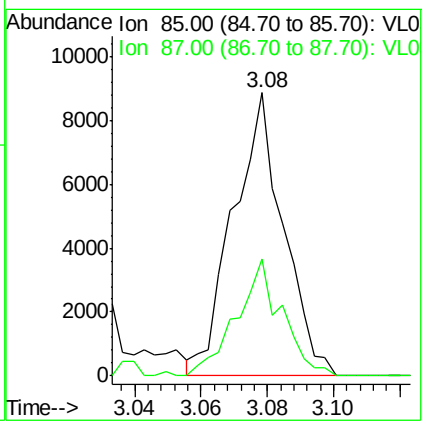


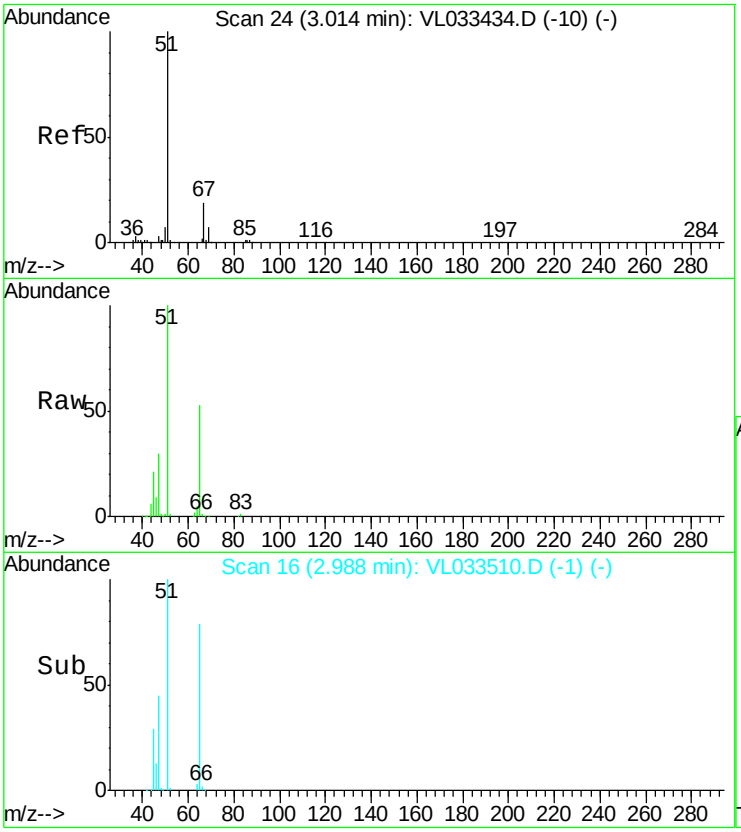


#2
Dichlorodifluoromethane
Concen: 0.08 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033510.D
Acq: 29 Mar 2019 20:12

Tgt Ion: 85 Resp: 9300

Ion	Ratio	Lower	Upper
85	100		
87	41.5	26.7	40.1#



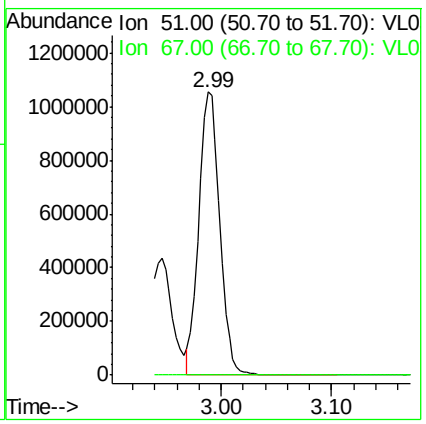


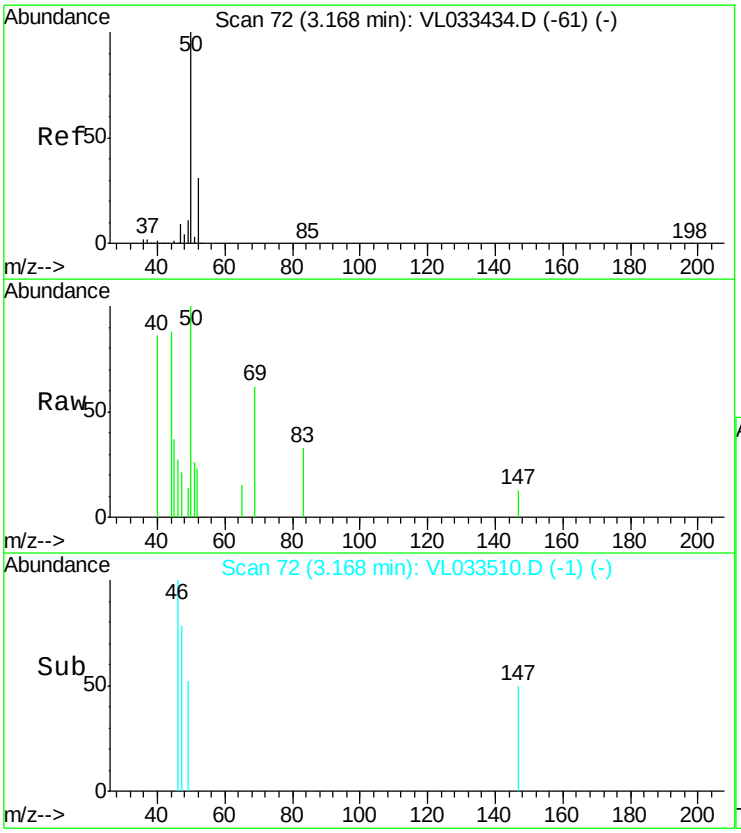
#3
Chlorodifluoromethane
Concen: 14.34 ppbv
RT: 2.99 min Scan# 16
Delta R.T. -0.03 min
Lab File: VL033510.D
Acq: 29 Mar 2019 20:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 1387222

Ion	Ratio	Lower	Upper
51	100		
67	0.1	15.7	23.5#

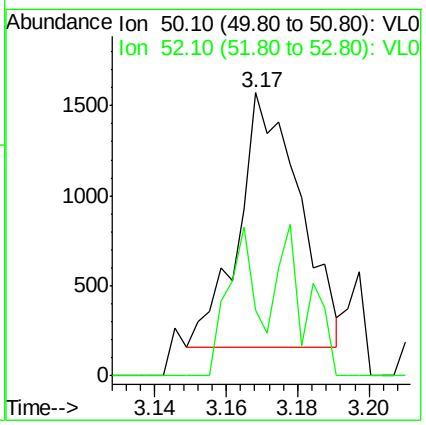


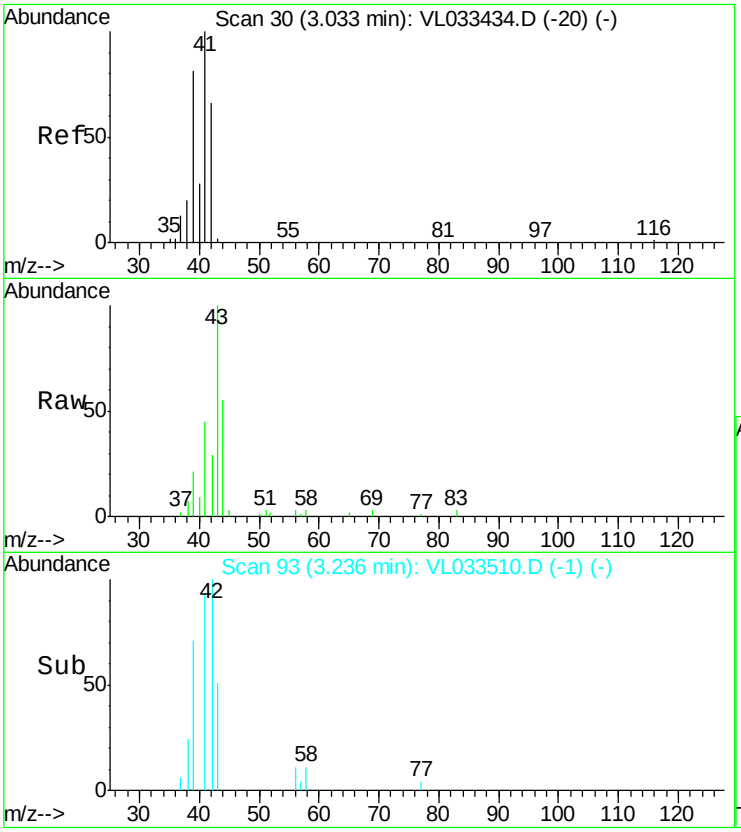


#4
Chloromethane
Concen: 0.03 ppbv
RT: 3.17 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL033510.D
Acq: 29 Mar 2019 20:12

Tgt Ion: 50 Resp: 1683

Ion	Ratio	Lower	Upper
50	100		
52	25.9	25.0	37.6

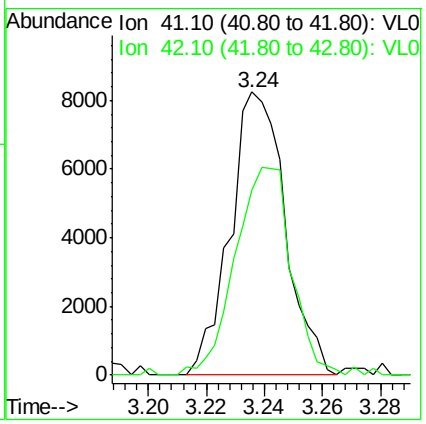




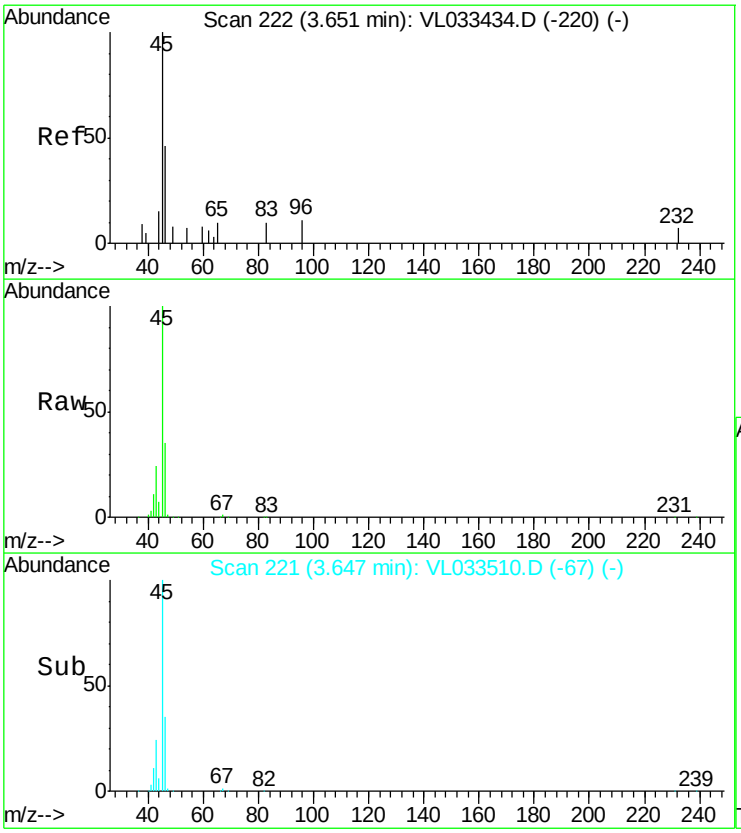
#9
Propene
Concen: 0.27 ppbv
RT: 3.24 min Scan# 93
Delta R.T. 0.20 min
Lab File: VL033510.D
Acq: 29 Mar 2019 20:12

Tgt Ion: 41 Resp: 10885

Ion	Ratio	Lower	Upper
41	100		
42	76.9	53.9	80.9



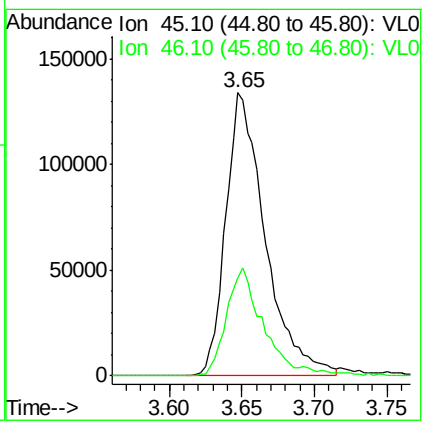
Instrument :
MSVOA_L
ClientSampleId :

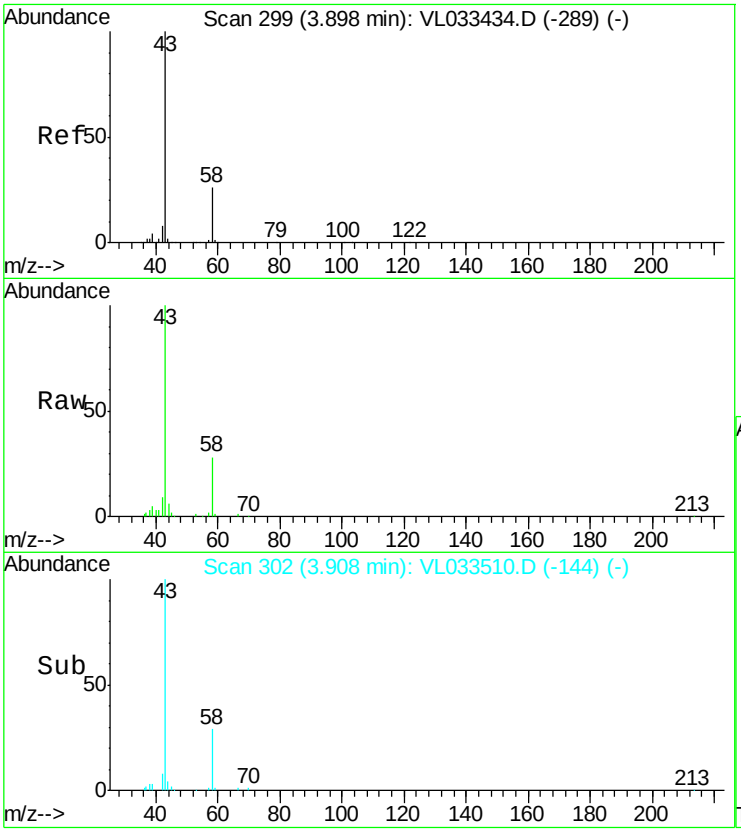


#13
Ethanol
Concen: 24.07 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033510.D
Acq: 29 Mar 2019 20:12

Tgt Ion: 45 Resp: 253116

Ion	Ratio	Lower	Upper
45	100		
46	36.8	25.4	101.8



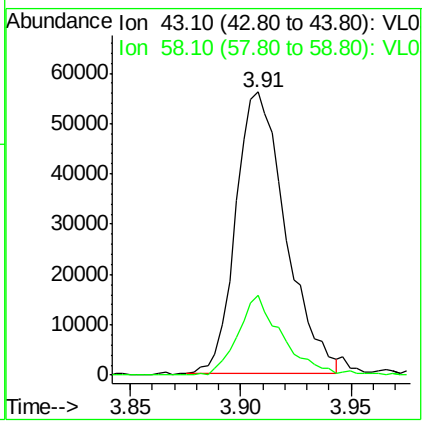


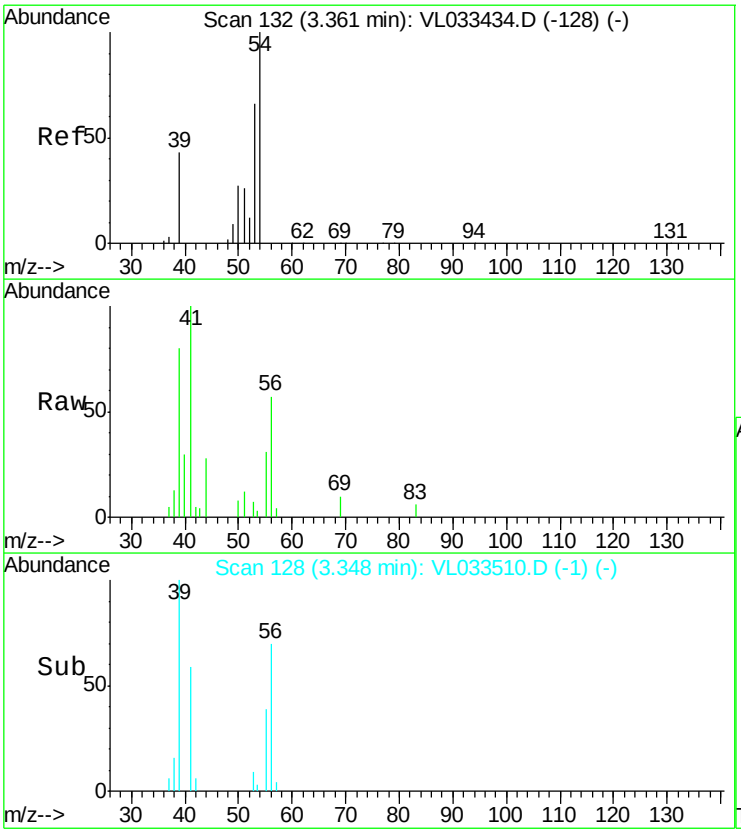
#15
Acetone
Concen: 0.87 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.01 min
Lab File: VL033510.D
Acq: 29 Mar 2019 20:12

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 88242

Ion	Ratio	Lower	Upper
43	100		
58	25.4	20.5	30.7

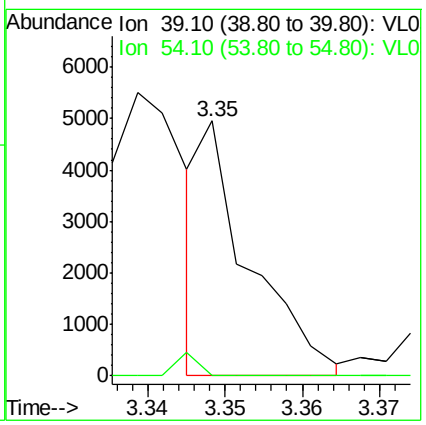


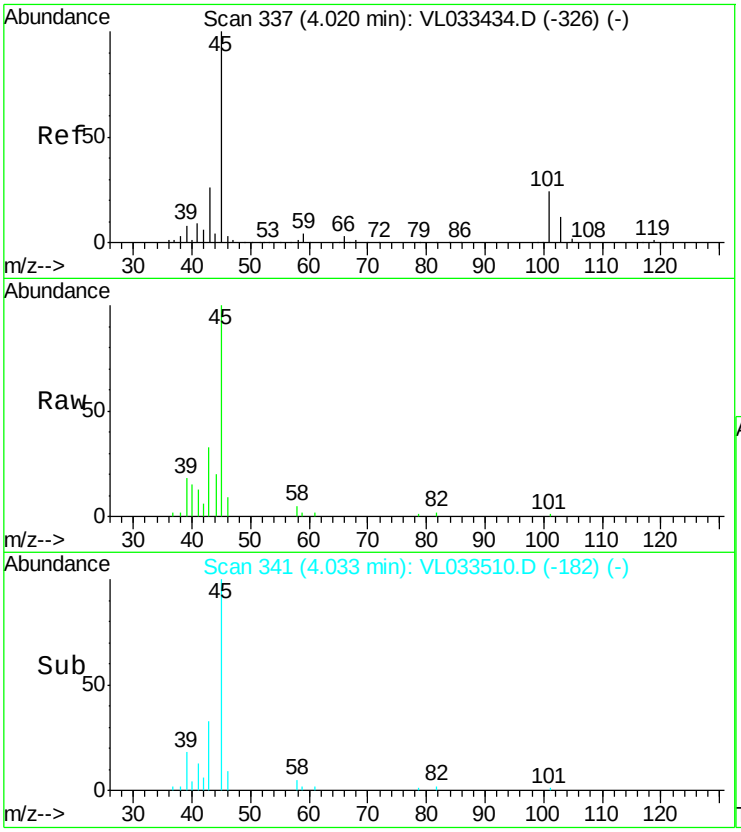


#16
1,3-Butadiene
Concen: 0.05 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.01 min
Lab File: VL033510.D
Acq: 29 Mar 2019 20:12

Tgt Ion: 39 Resp: 2184

Ion	Ratio	Lower	Upper
39	100		
54	4.0	69.4	104.2#



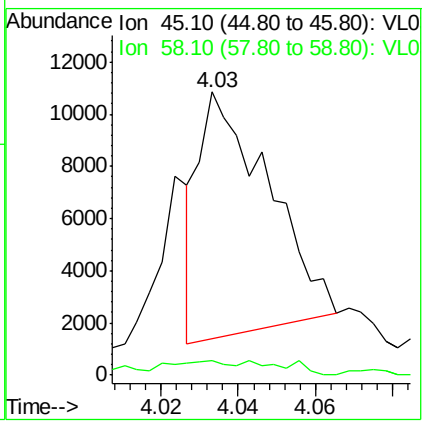


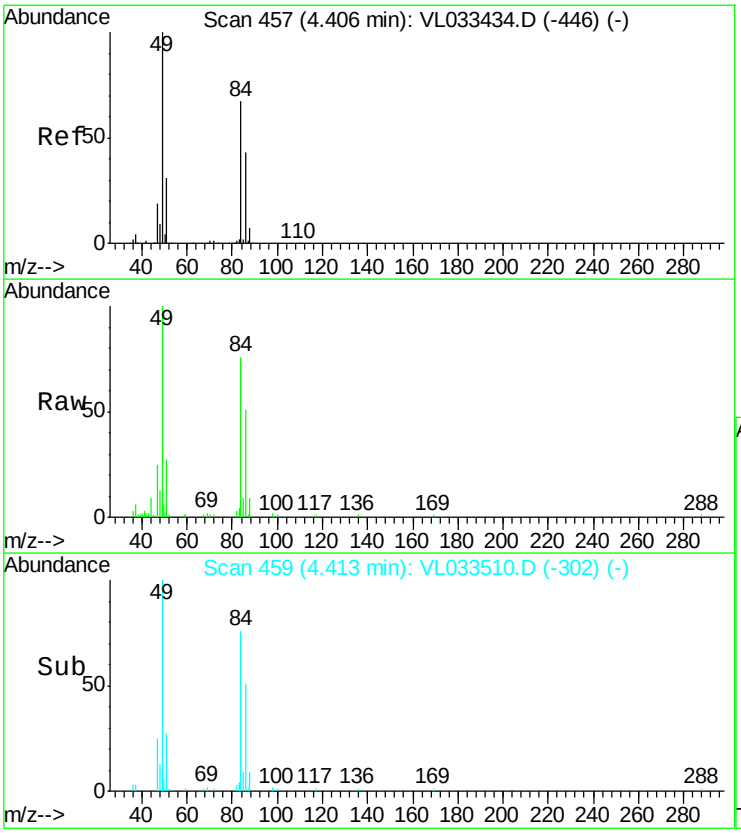
#19
Isopropyl Alcohol
Concen: 0.18 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL033510.D
Acq: 29 Mar 2019 20:12

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 11716

Ion	Ratio	Lower	Upper
45	100		
58	11.6	1.4	2.2#

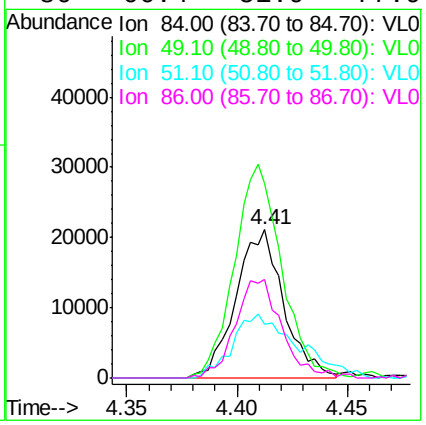


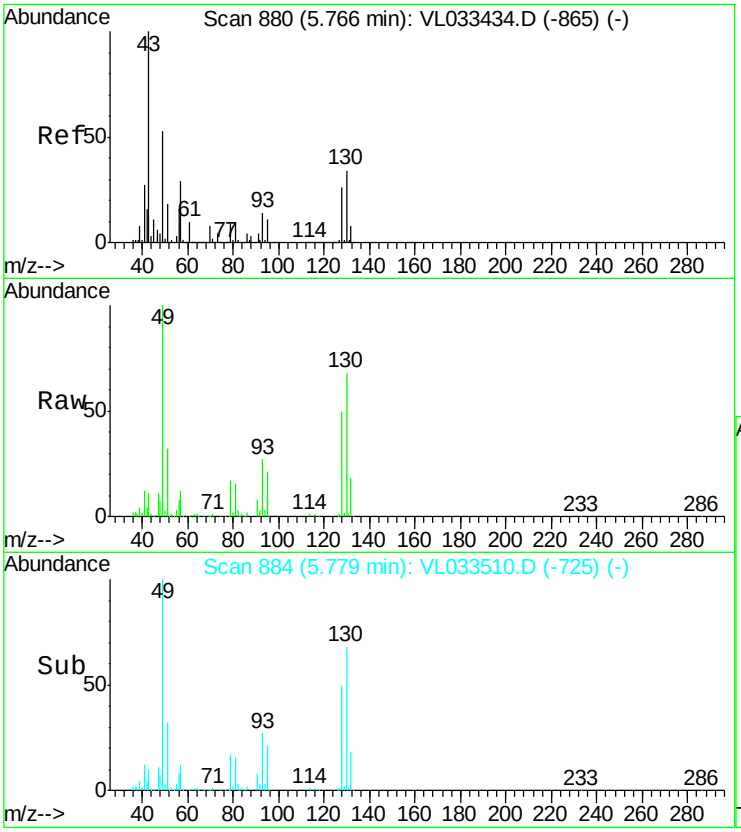


#20
Methylene Chloride
Concen: 0.74 ppbv
RT: 4.41 min Scan# 459
Delta R.T. 0.01 min
Lab File: VL033510.D
Acq: 29 Mar 2019 20:12

Tgt Ion: 84 Resp: 31823

Ion	Ratio	Lower	Upper
84	100		
49	139.5	120.0	180.0
51	37.5	36.7	55.1
86	66.4	51.9	77.9



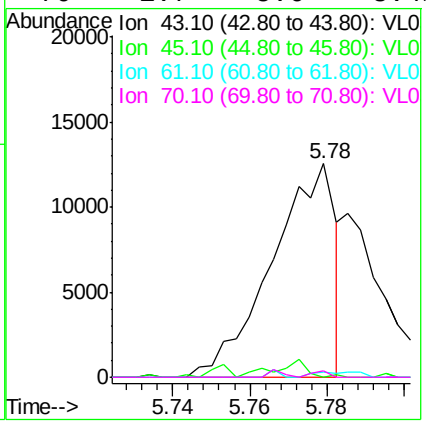


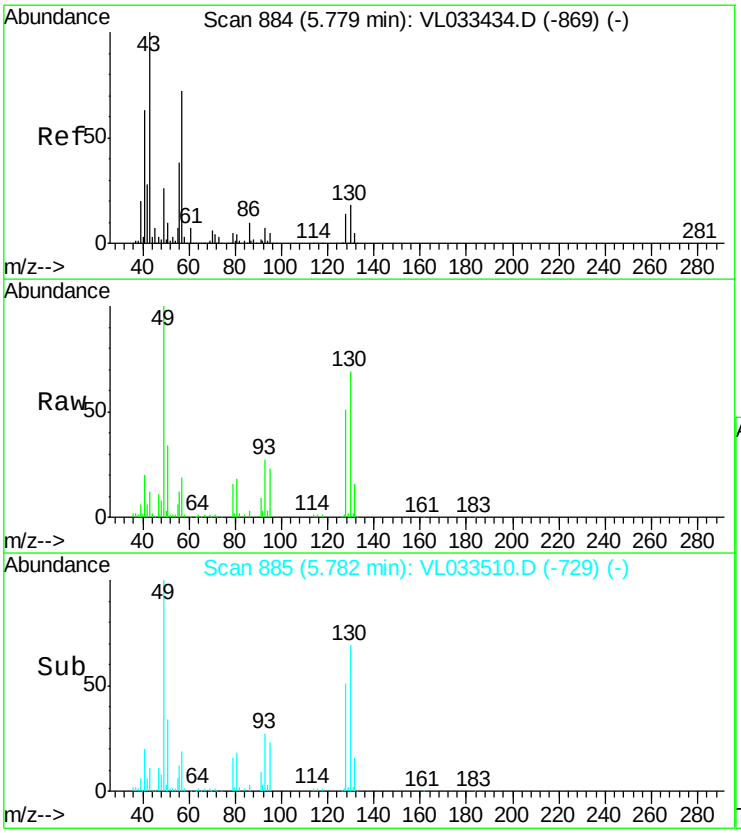
#25
Ethyl Acetate
Concen: 0.08 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.01 min
Lab File: VL033510.D
Acq: 29 Mar 2019 20:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 14269

Ion	Ratio	Lower	Upper
43	100		
45	6.2	7.8	11.6#
61	2.3	7.3	10.9#
70	1.7	5.6	8.4#

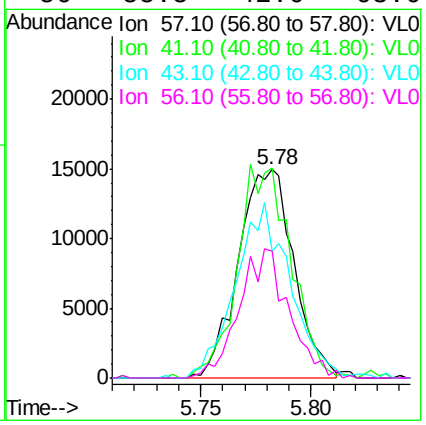


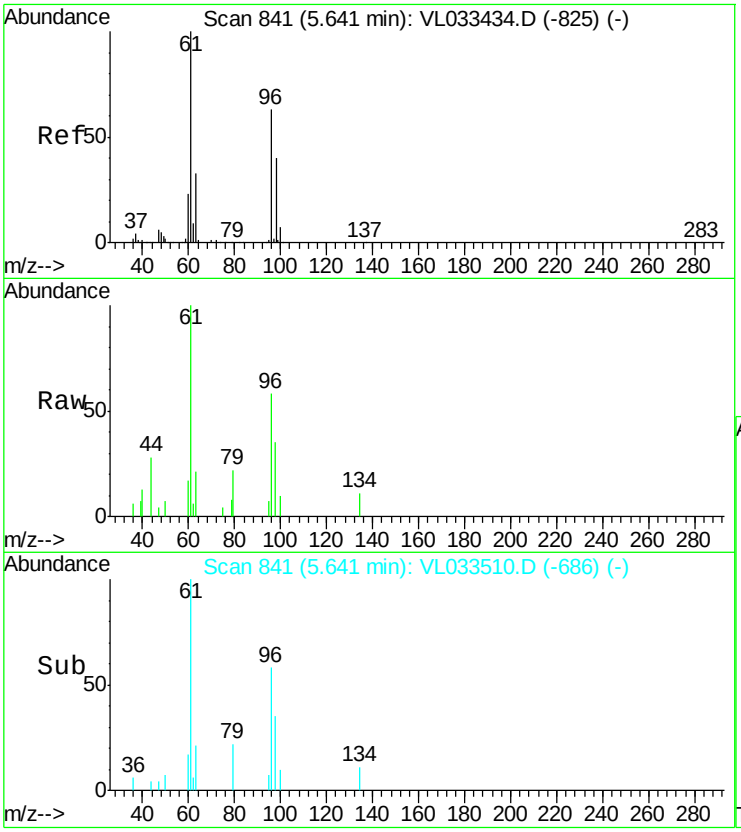


#26
Hexane
Concen: 0.31 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033510.D
Acq: 29 Mar 2019 20:12

Tgt Ion: 57 Resp: 26173

Ion	Ratio	Lower	Upper
57	100		
41	99.0	70.7	106.1
43	83.2	182.6	274.0#
56	55.5	42.0	63.0



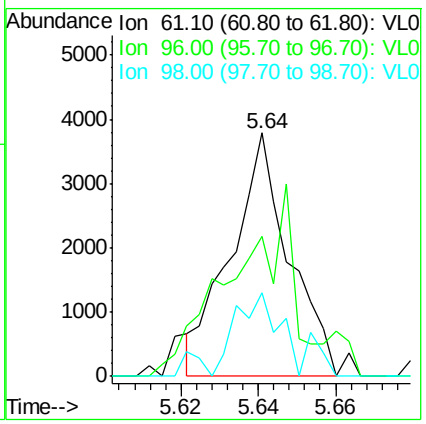


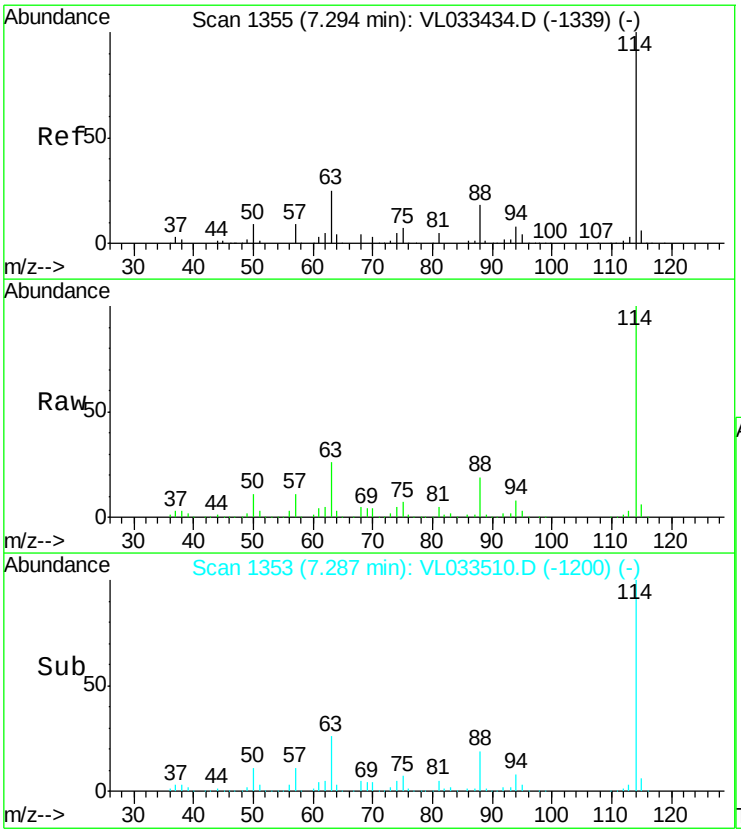
#31
cis-1,2-Dichloroethene
Concen: 0.05 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033510.D
Acq: 29 Mar 2019 20:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 3962

Ion	Ratio	Lower	Upper
61	100		
96	38.9	50.6	76.0#
98	34.5	32.2	48.2

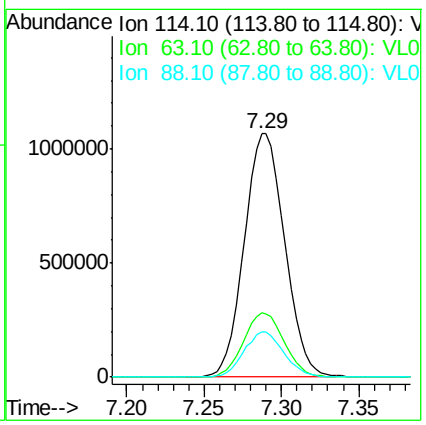


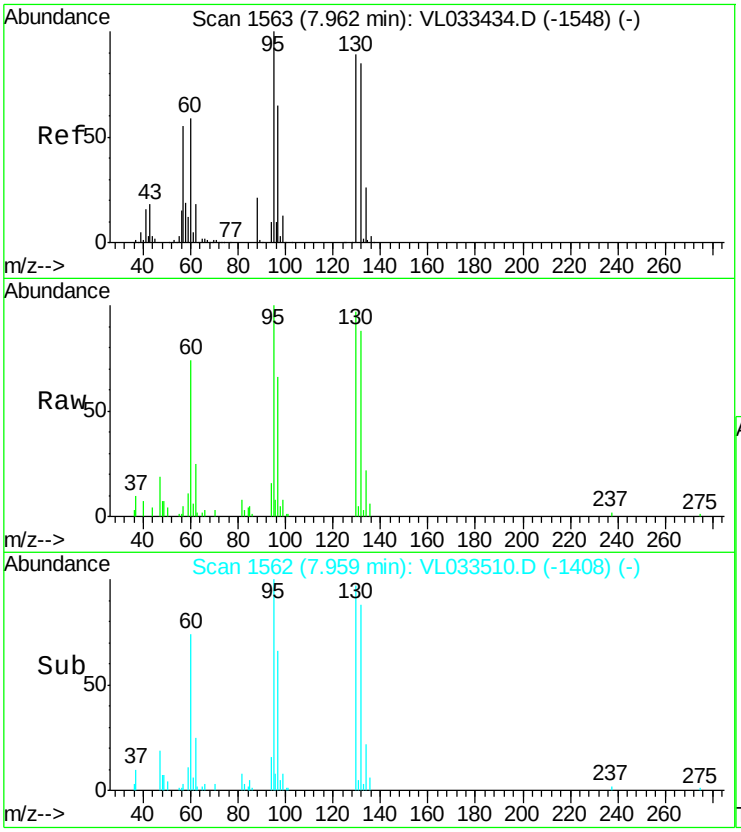


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.01 min
Lab File: VL033510.D
Acq: 29 Mar 2019 20:12

Tgt Ion:114 Resp: 1941549

Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.5	32.3
88	18.3	14.5	21.7



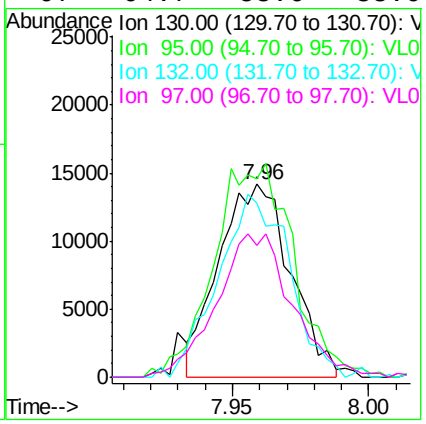


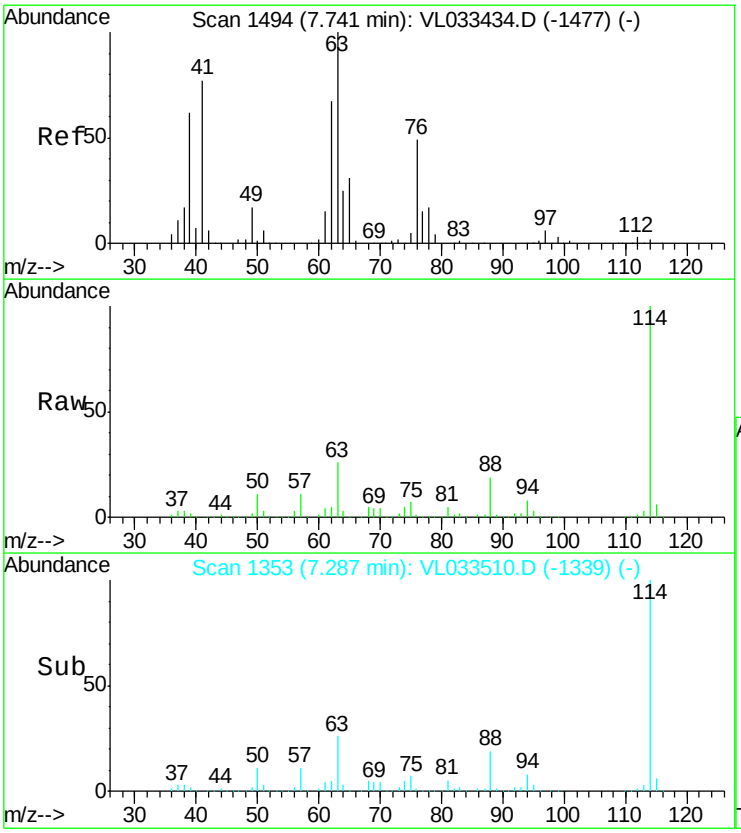
#38
Trichloroethene
Concen: 0.42 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VL033510.D
Acq: 29 Mar 2019 20:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:130 Resp: 25914

Ion	Ratio	Lower	Upper
130	100		
95	96.2	89.8	134.8
132	87.5	76.6	115.0
97	64.7	58.6	88.0

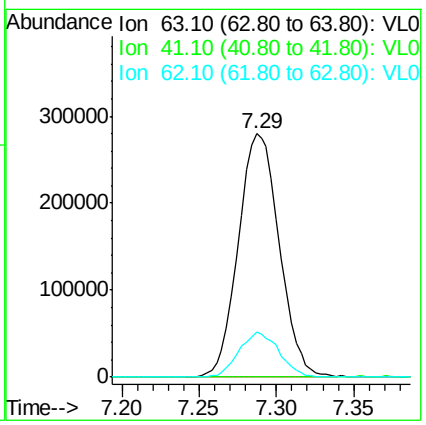


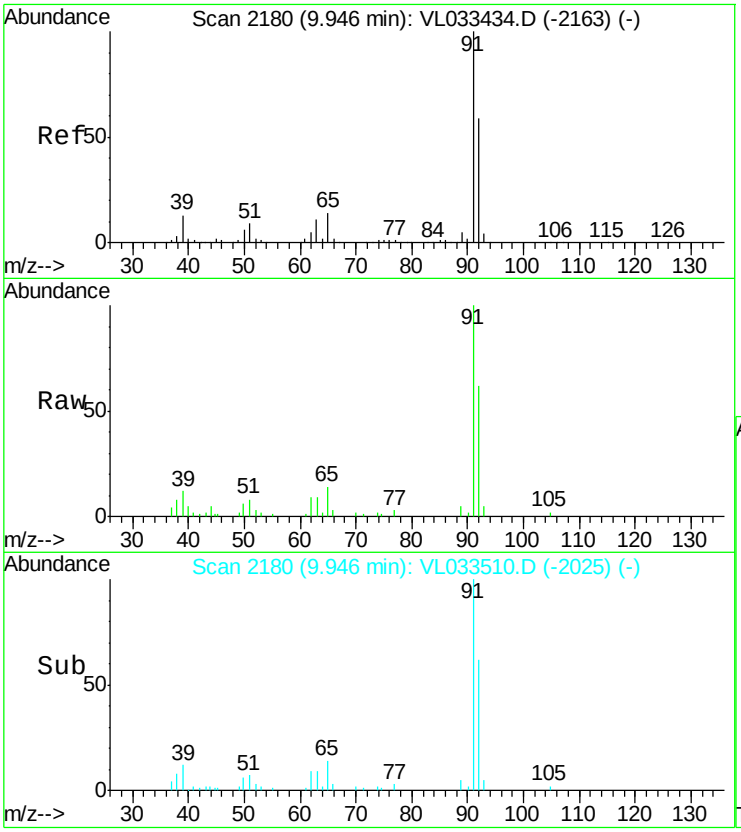


#39
1,2-Dichloropropane
Concen: 8.08 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.45 min
Lab File: VL033510.D
Acq: 29 Mar 2019 20:12

Tgt Ion: 63 Resp: 515510

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.2	91.8#
62	18.3	54.0	81.0#



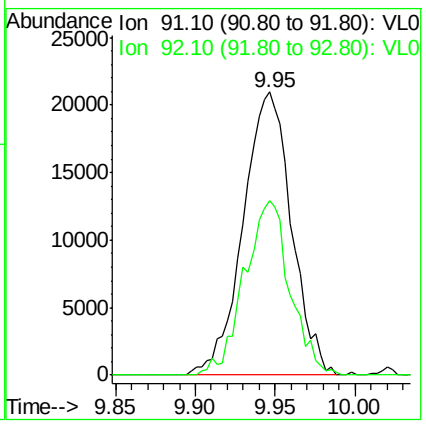


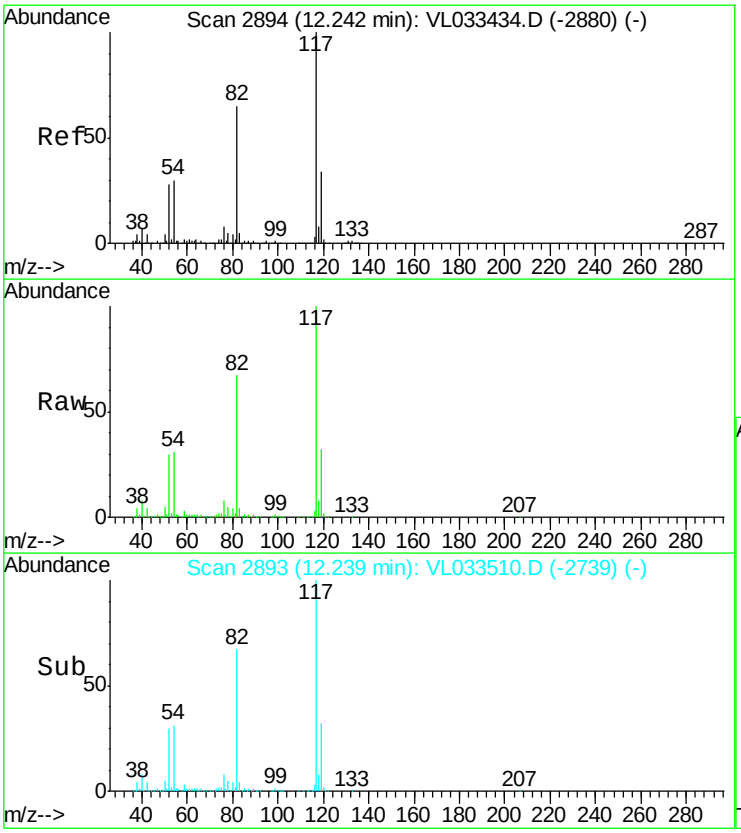
#53
Toluene
Concen: 0.23 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. -0.00 min
Lab File: VL033510.D
Acq: 29 Mar 2019 20:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 43460

Ion	Ratio	Lower	Upper
91	100		
92	58.0	47.4	71.0

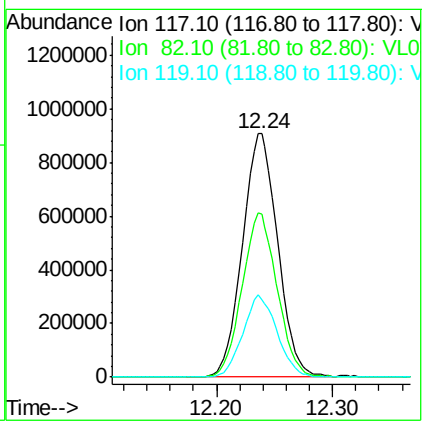


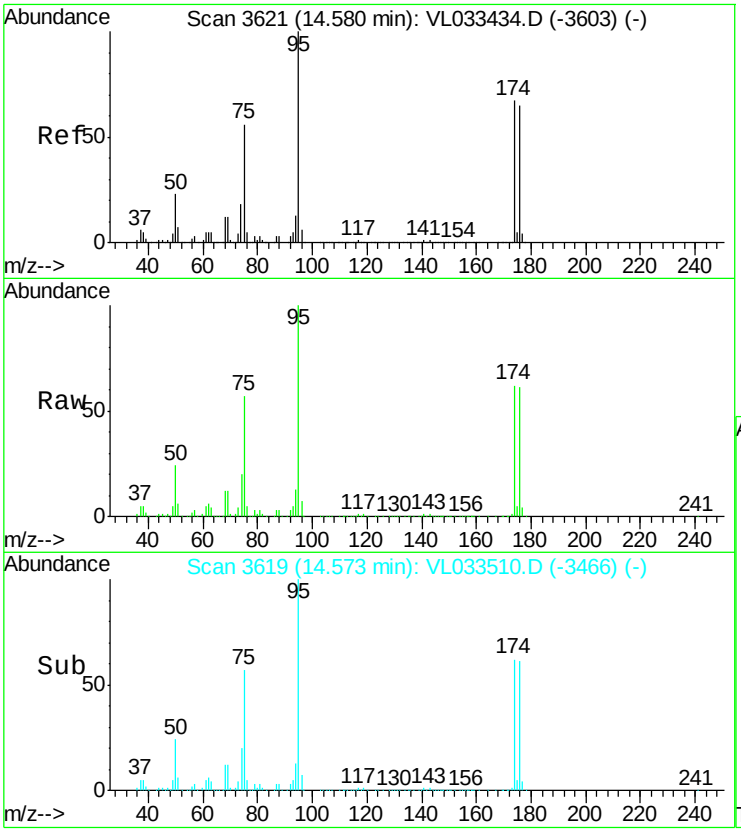


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033510.D
Acq: 29 Mar 2019 20:12

Tgt Ion:117 Resp: 1920501

Ion	Ratio	Lower	Upper
117	100		
82	67.2	51.5	77.3
119	32.6	25.5	38.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.99 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033510.D
Acq: 29 Mar 2019 20:12

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 1504514

Ion	Ratio	Lower	Upper
95	100		
174	66.1	52.9	79.3
175	4.8	3.8	5.6