Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032919\
Data File : VL033512.D
Acq On : 29 Mar 2019 21:33
Operator : SY/AP
Sample : K2042-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 30 01:13:06 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	801942	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	1879659	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	1846813	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1435410	9.91	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	8837	0.08	ppbv		92
3) Chlorodifluoromethane	2.99	51	577568	6.26	ppbv	#	58
4) Chloromethane	3.17	50	3575	0.07	ppbv	#	52
9) Propene	3.04	41	4432	0.11	ppbv	#	16
13) Ethanol	3.65	45	586062	58.41	ppbv		66
15) Acetone	3.90	43	122757	1.27	ppbv		99
17) tert-Butyl alcohol	4.36	59	861	0.05	ppbv	#	73
19) Isopropyl Alcohol	4.03	45	28953	0.47	ppbv	#	91
20) Methylene Chloride	4.41	84	40308	0.98	ppbv		86
25) Ethyl Acetate	5.78	43	27200	0.15	ppbv	#	86
26) Hexane	5.78	57	33040	0.42	ppbv	#	37
31) cis-1,2-Dichloroethene	5.63	61	2962	0.04	ppbv	#	64
38) Trichloroethene	7.96	130	3951	0.07	ppbv	#	70
39) 1,2-Dichloropropane	7.29	63	488325	7.90	ppbv	#	24
53) Toluene	9.94	91	13432	0.07	ppbv	#	21

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

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032919\
Data File : VL033512.D
Acq On : 29 Mar 2019 21:33
Operator : SY/AP
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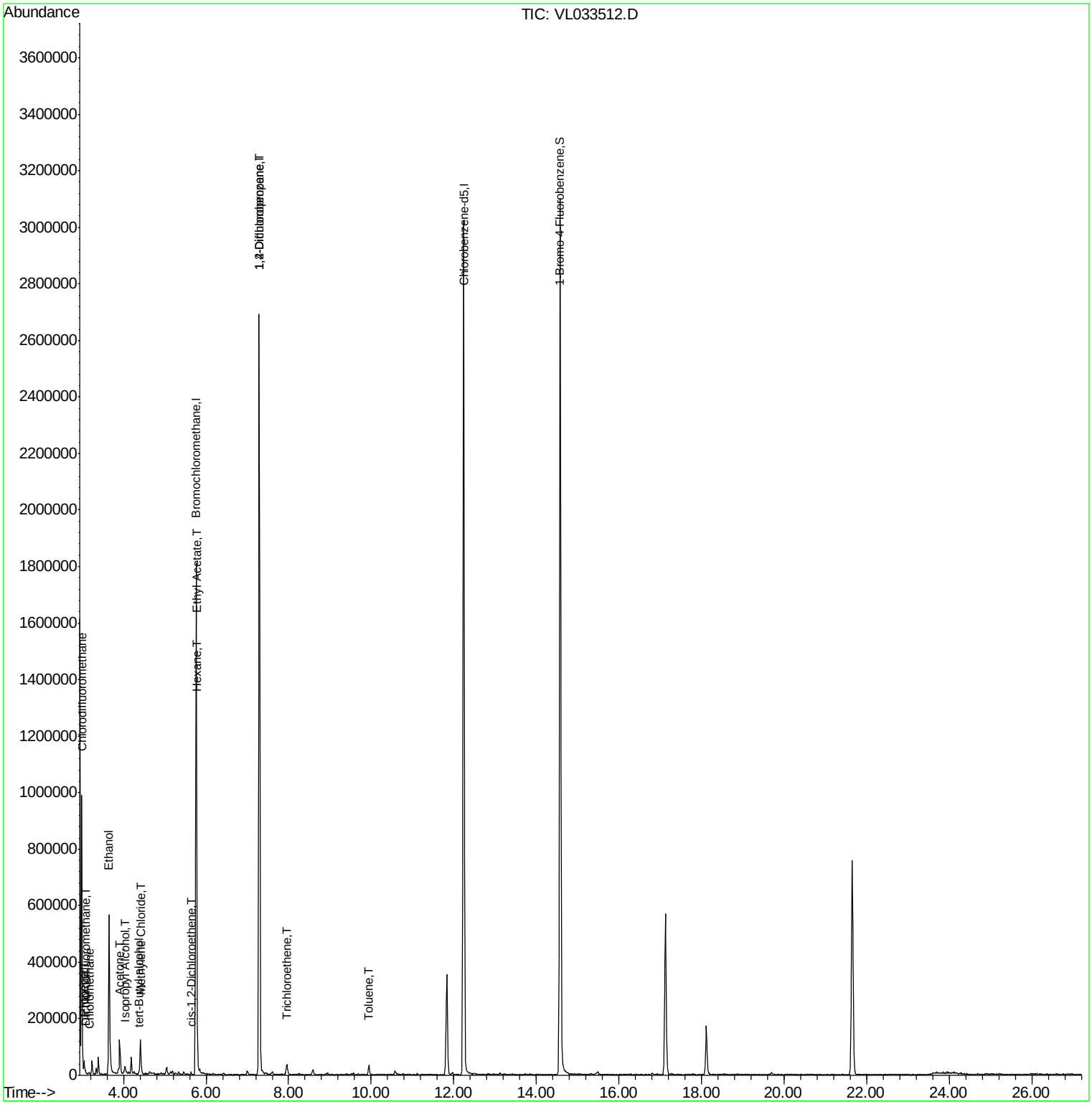
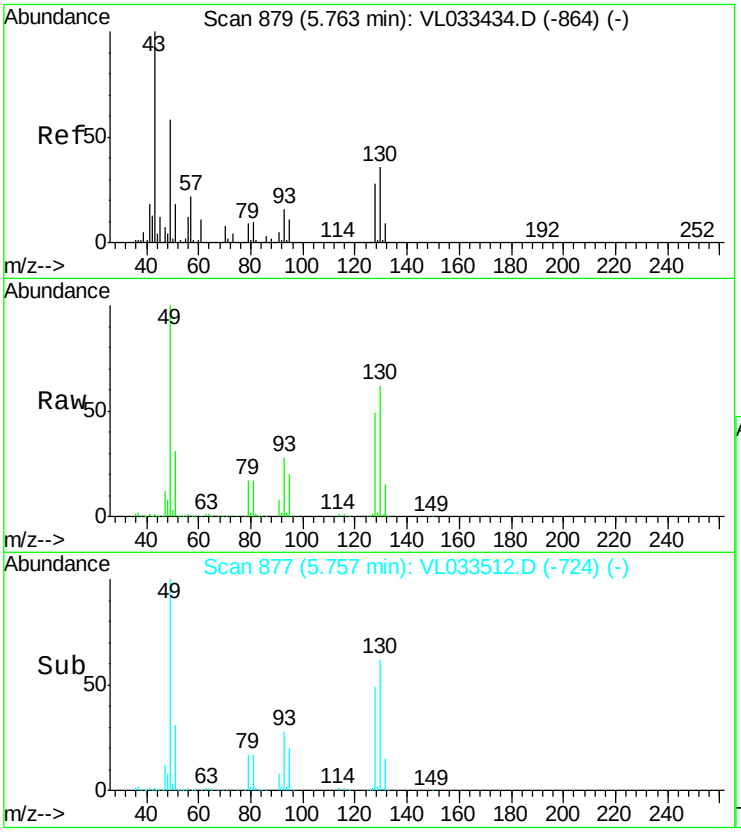
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Mar 30 01:13:06 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



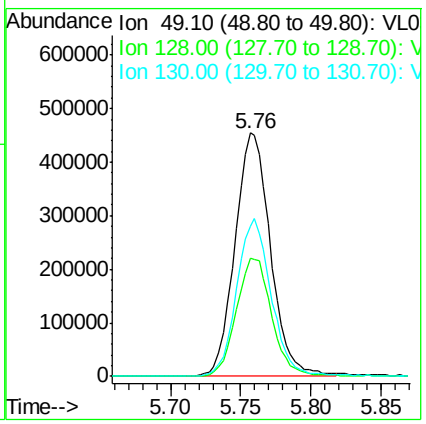


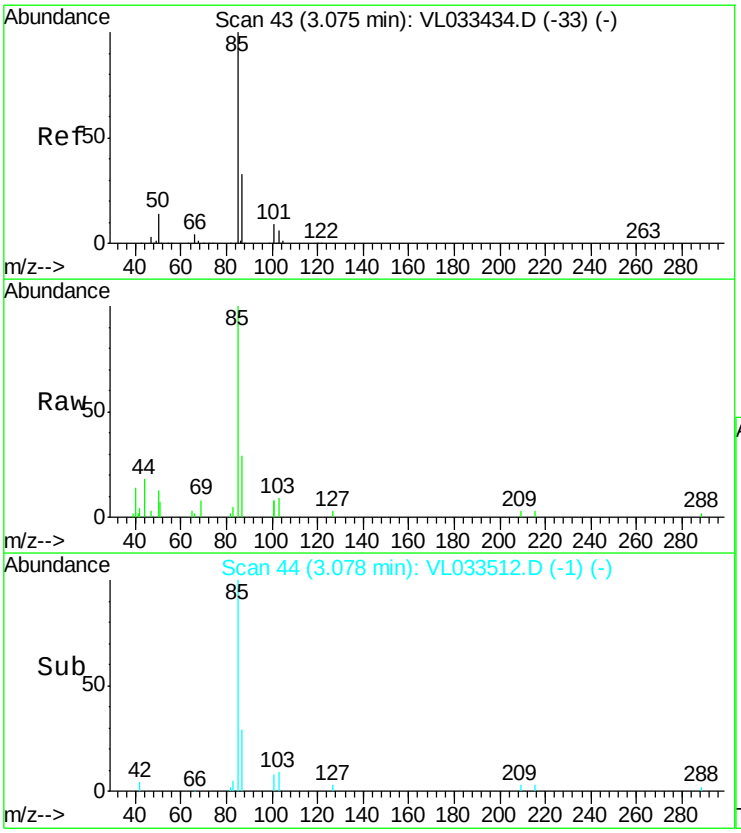
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.01 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 801942

Ion	Ratio	Lower	Upper
49	100		
128	49.1	24.0	72.0
130	63.3	31.2	93.6

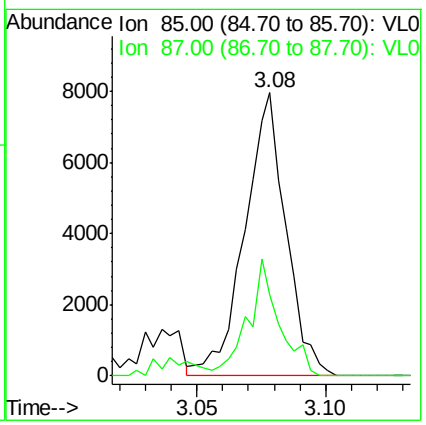


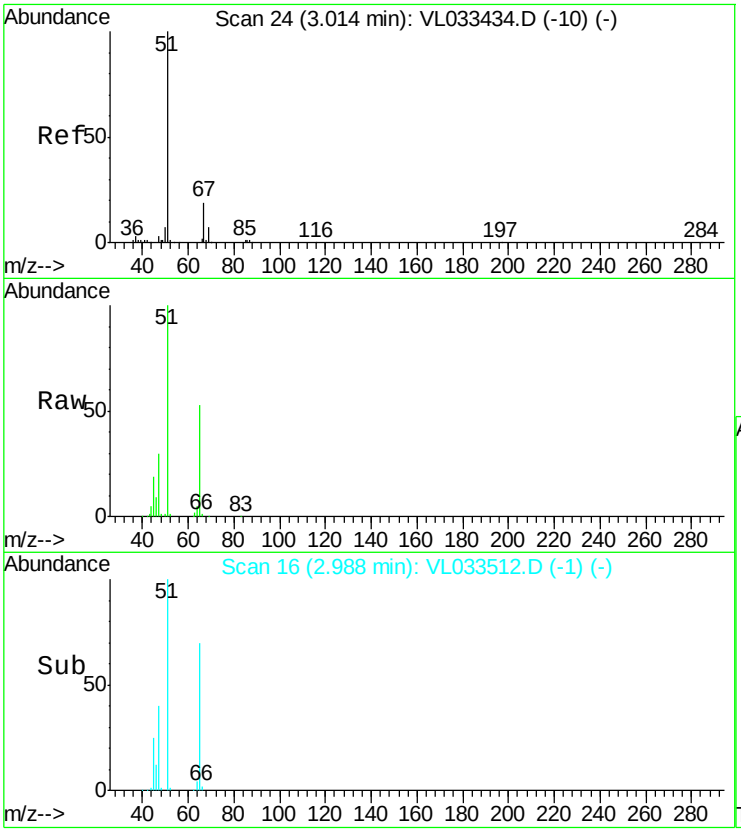


#2
Dichlorodifluoromethane
Concen: 0.08 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Tgt Ion: 85 Resp: 8837

Ion	Ratio	Lower	Upper
85	100		
87	28.6	26.7	40.1



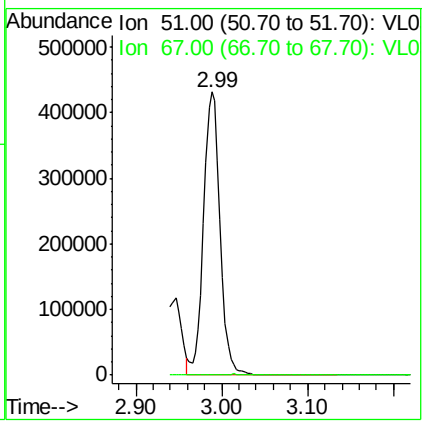


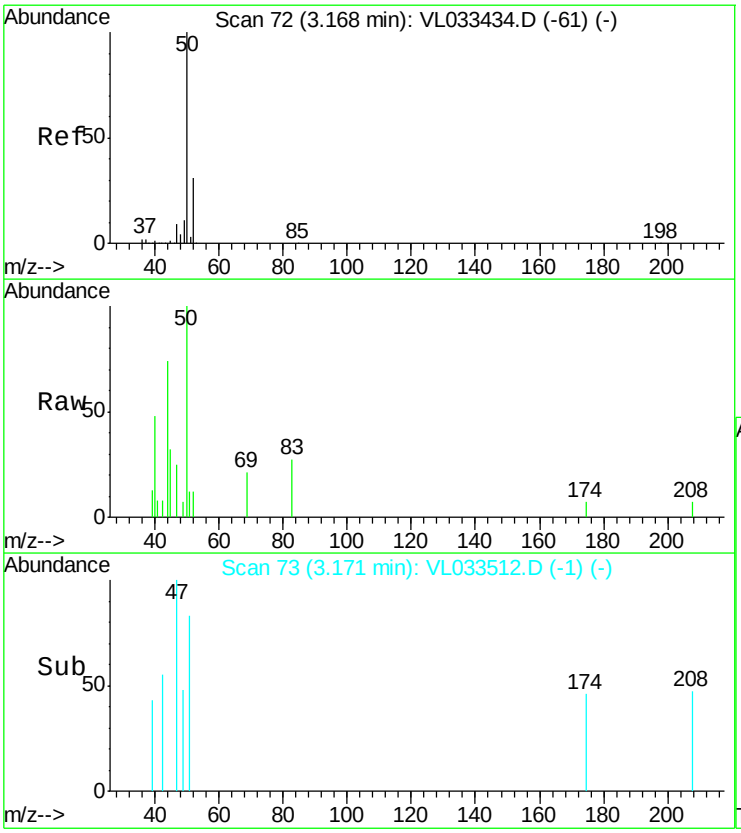
#3
Chlorodifluoromethane
Concen: 6.26 ppbv
RT: 2.99 min Scan# 16
Delta R.T. -0.03 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Tgt Ion: 51 Resp: 577568

Ion	Ratio	Lower	Upper
51	100		
67	0.3	15.7	23.5#

Instrument :
MSVOA_L
ClientSampleId :

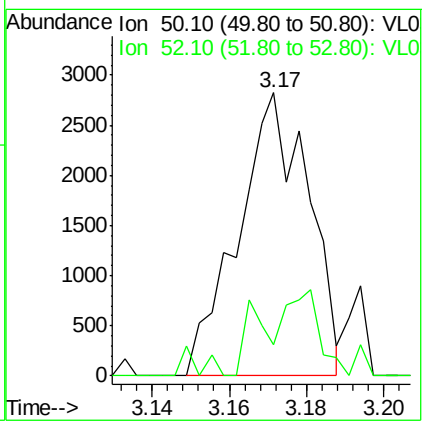


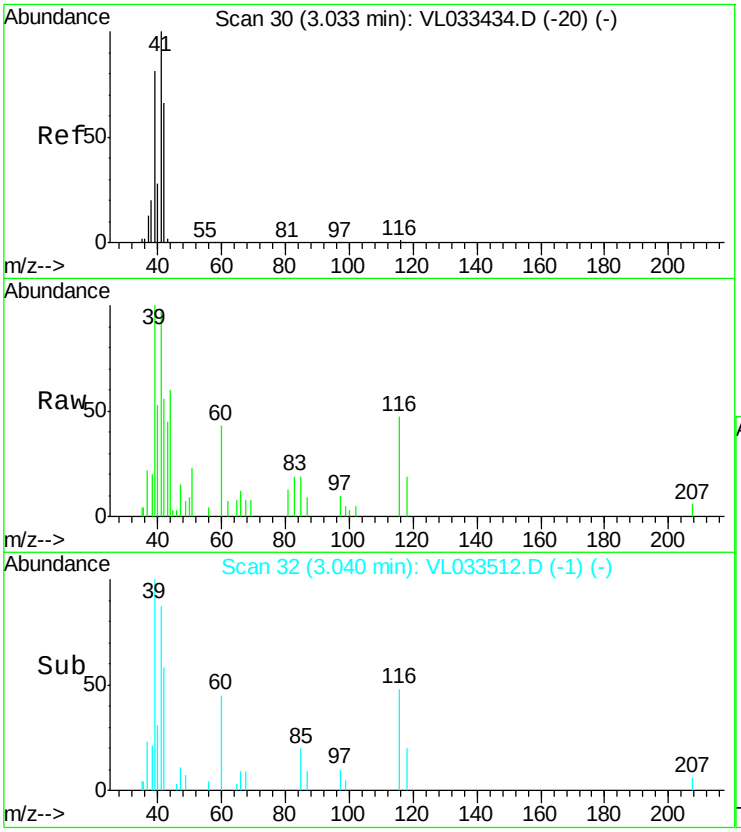


#4
Chloromethane
Concen: 0.07 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Tgt Ion: 50 Resp: 3575

Ion	Ratio	Lower	Upper
50	100		
52	4.7	25.0	37.6#



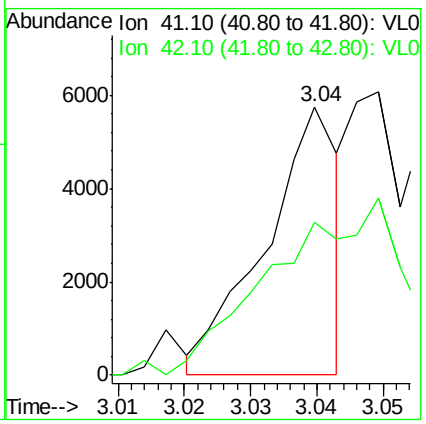


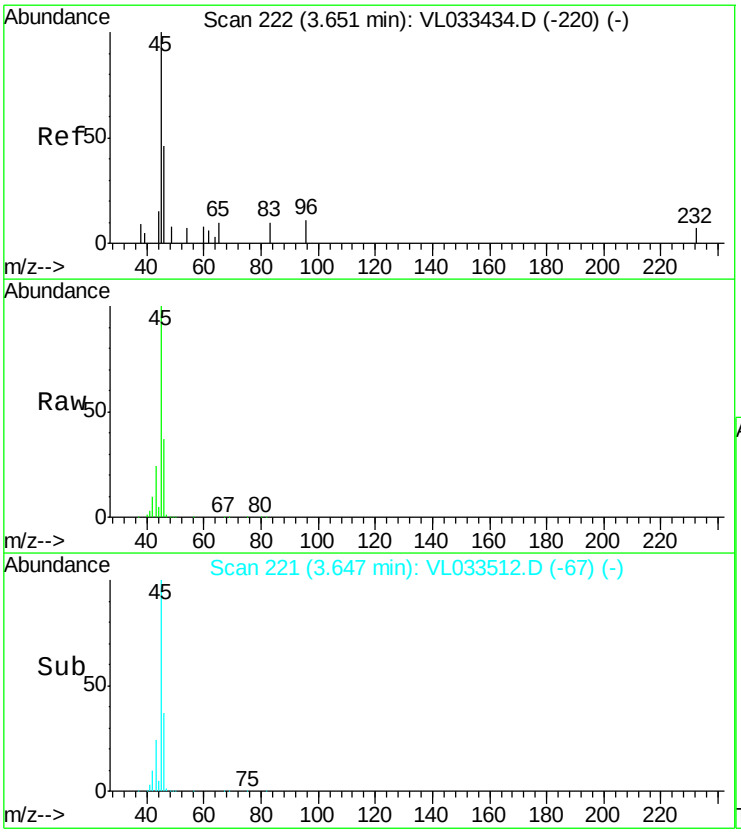
#9
Propene
Concen: 0.11 ppbv
RT: 3.04 min Scan# 32
Delta R.T. 0.01 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 4432

Ion	Ratio	Lower	Upper
41	100		
42	0.0	53.9	80.9#

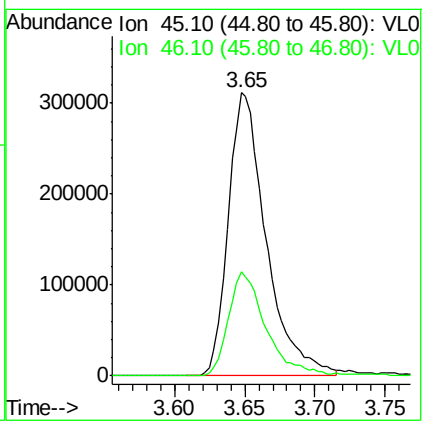


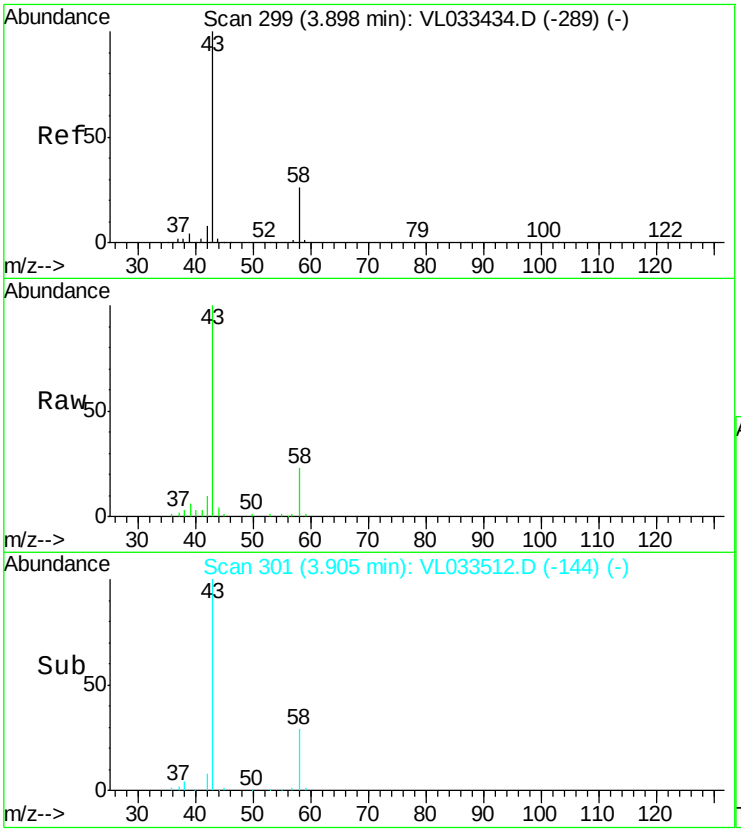


#13
Ethanol
Concen: 58.41 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Tgt Ion: 45 Resp: 586062

Ion	Ratio	Lower	Upper
45	100		
46	36.9	25.4	101.8



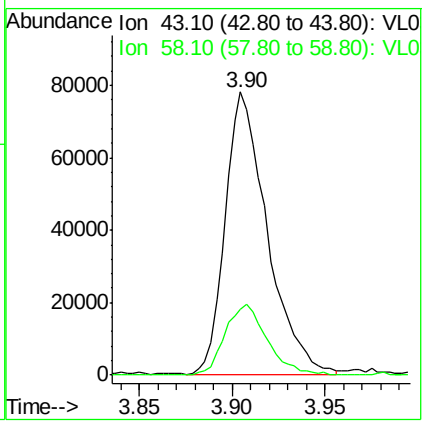


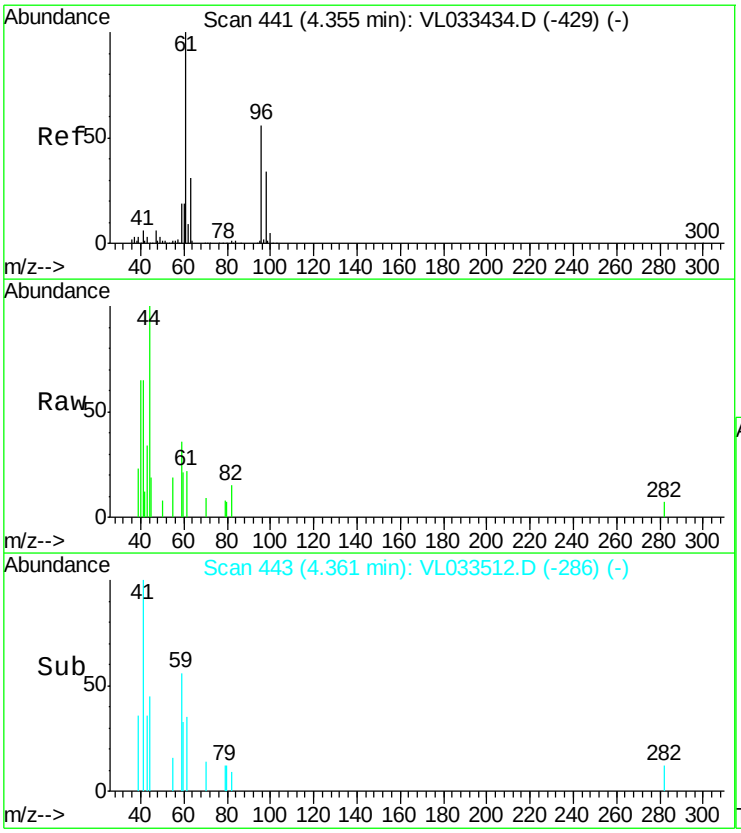
#15
Acetone
Concen: 1.27 ppbv
RT: 3.90 min Scan# 301
Delta R.T. 0.01 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 122757

Ion	Ratio	Lower	Upper
43	100		
58	25.3	20.5	30.7

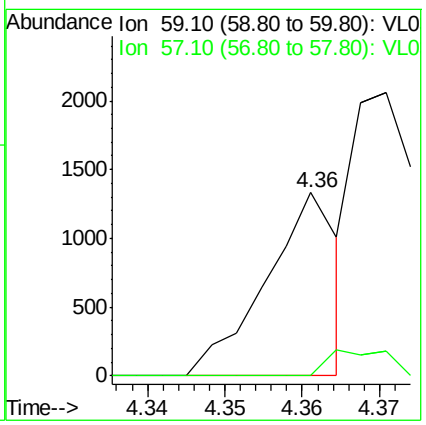


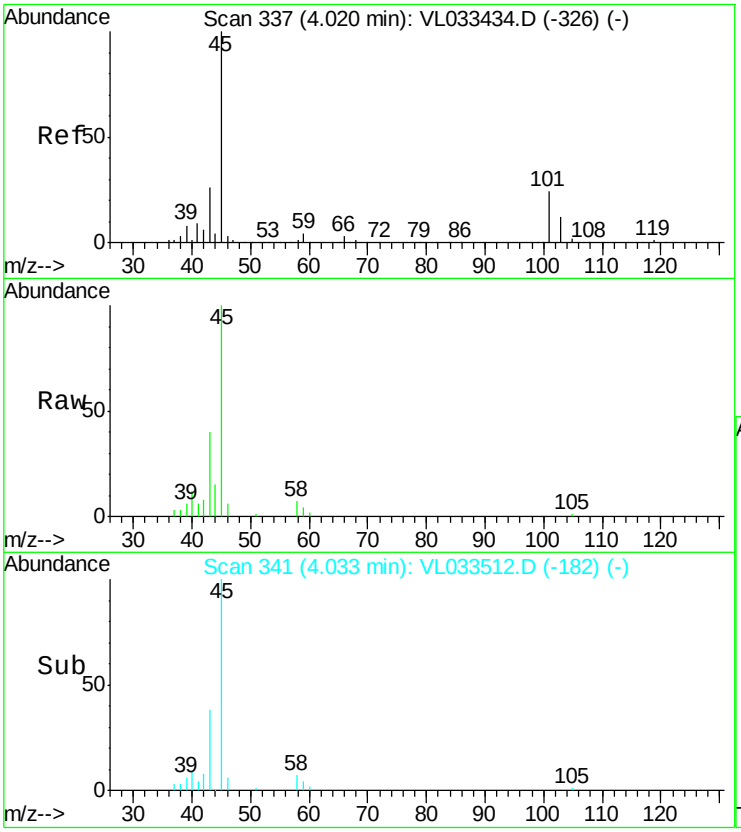


#17
tert-Butyl alcohol
Concen: 0.05 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.01 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Tgt Ion: 59 Resp: 861

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#



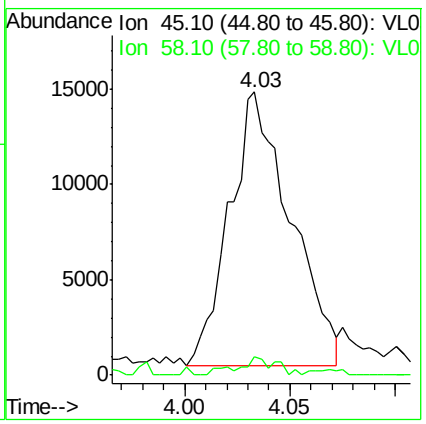


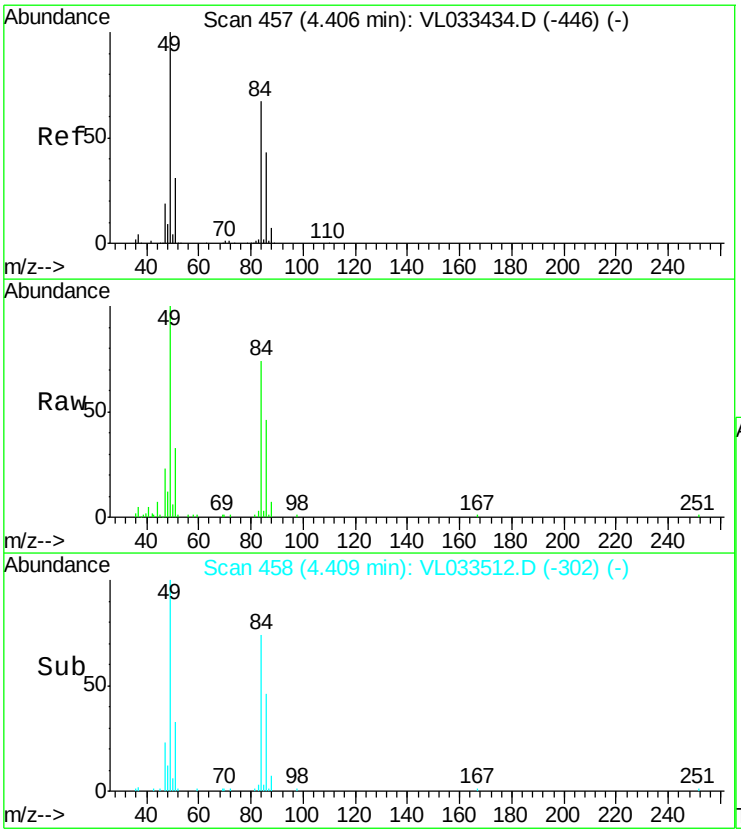
#19
Isopropyl Alcohol
Concen: 0.47 ppbv
RT: 4.03 min Scan# 341
Delta R.T. 0.01 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 28953

Ion	Ratio	Lower	Upper
45	100		
58	5.0	1.4	2.2#

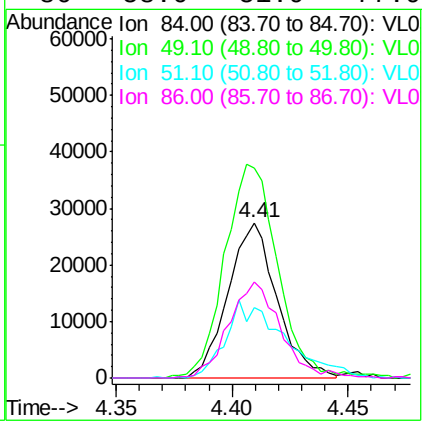


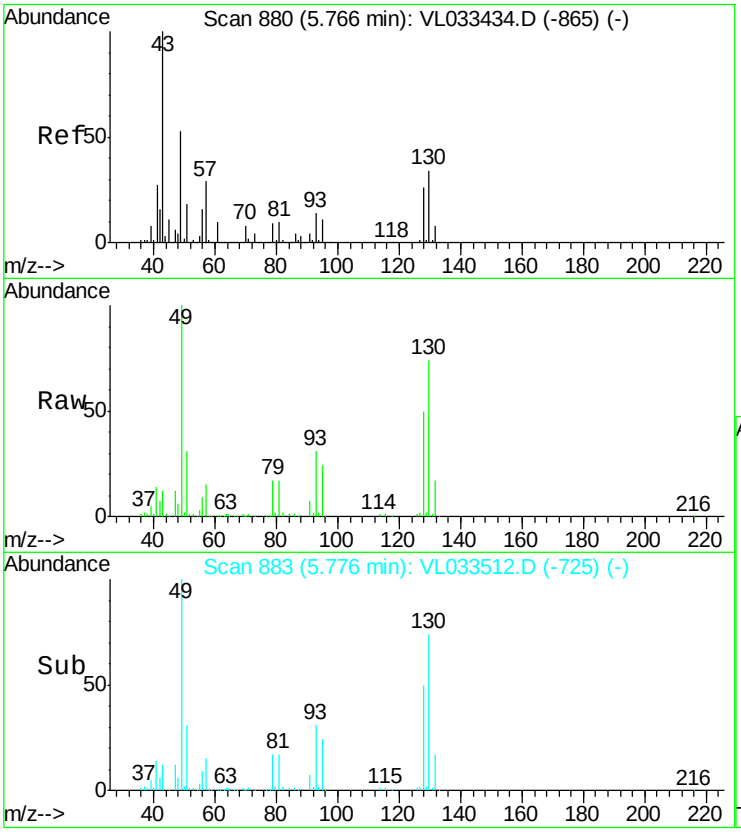


#20
Methylene Chloride
Concen: 0.98 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Tgt Ion: 84 Resp: 40308

Ion	Ratio	Lower	Upper
84	100		
49	126.5	120.0	180.0
51	43.0	36.7	55.1
86	58.0	51.9	77.9



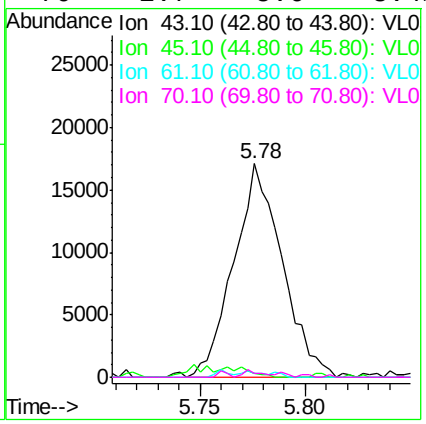


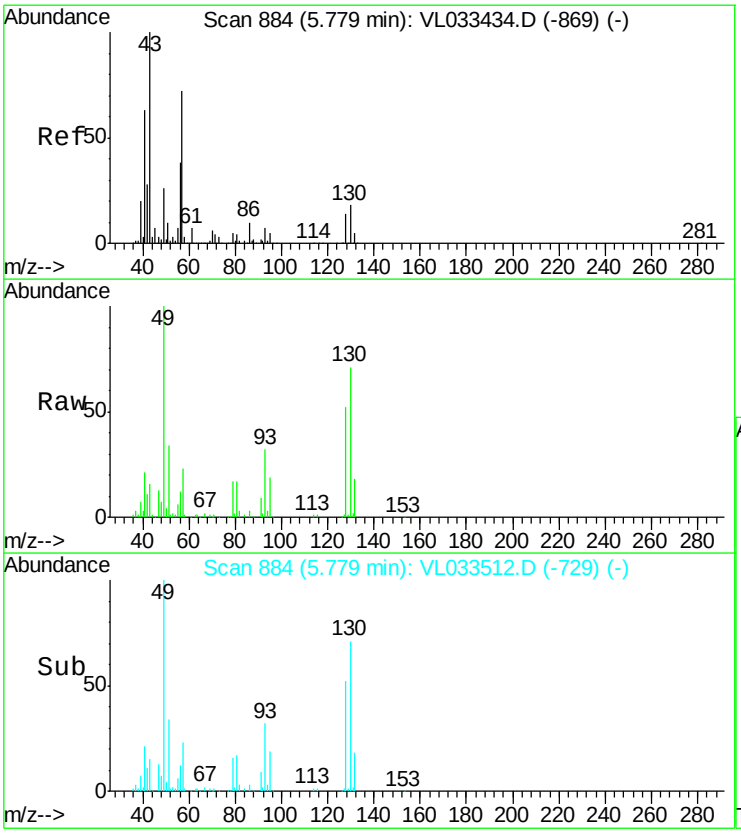
#25
Ethyl Acetate
Concen: 0.15 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 27200

Ion	Ratio	Lower	Upper
43	100		
45	5.4	7.8	11.6#
61	2.6	7.3	10.9#
70	2.7	5.6	8.4#

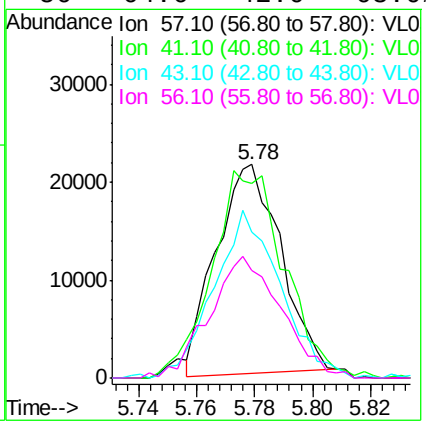


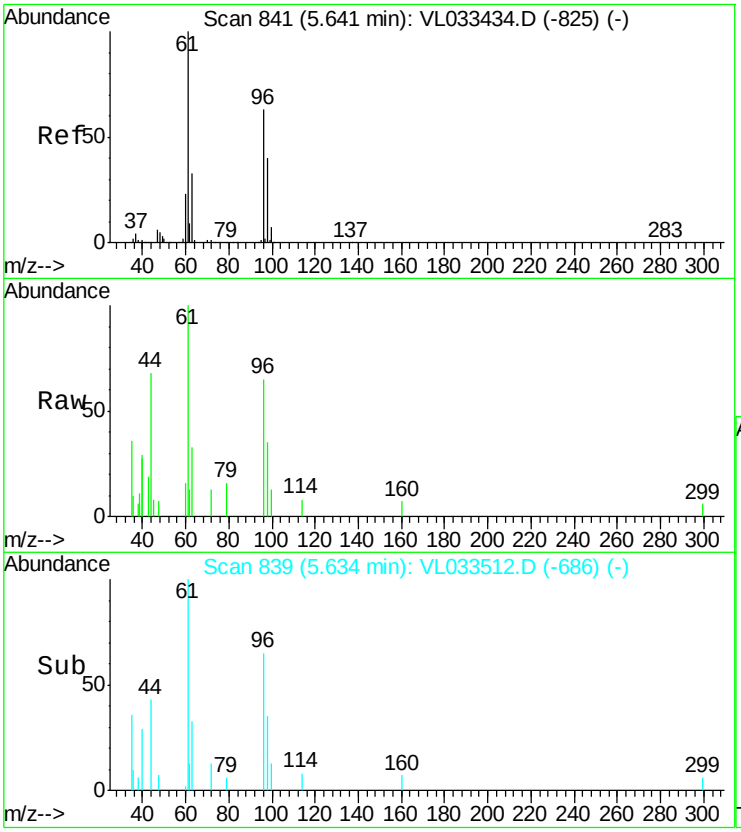


#26
Hexane
Concen: 0.42 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Tgt Ion: 57 Resp: 33040

Ion	Ratio	Lower	Upper
57	100		
41	111.3	70.7	106.1#
43	83.0	182.6	274.0#
56	64.6	42.0	63.0#



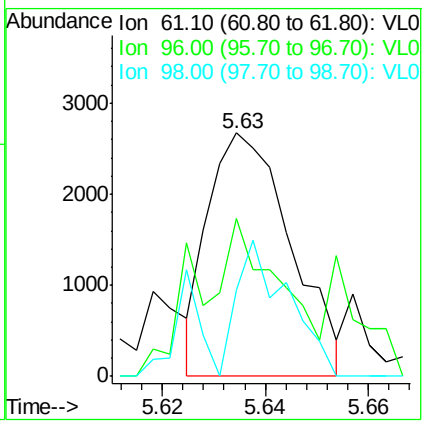


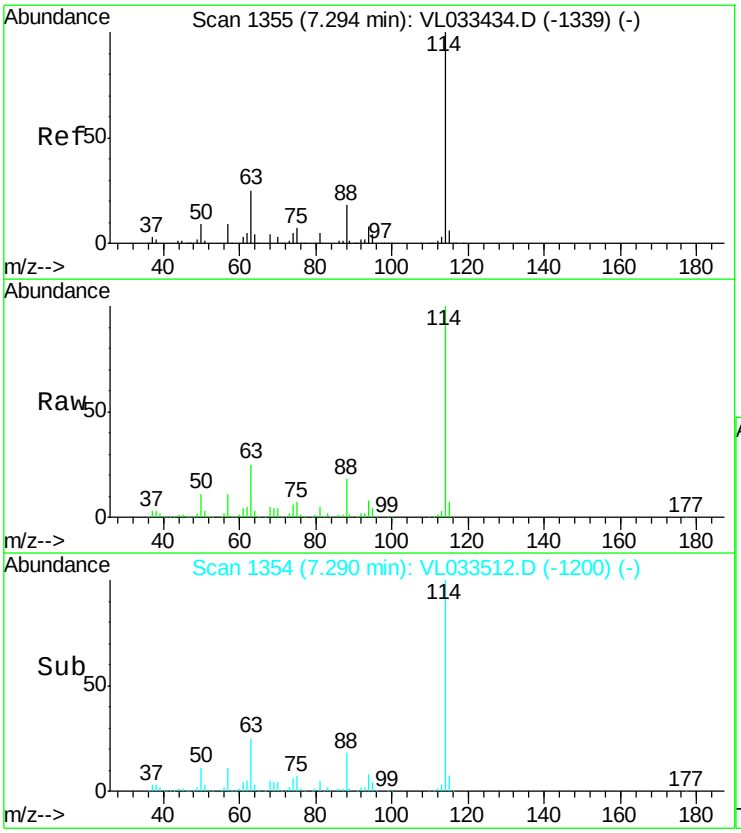
#31
cis-1,2-Dichloroethene
Concen: 0.04 ppbv
RT: 5.63 min Scan# 839
Delta R.T. -0.01 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 2962

Ion	Ratio	Lower	Upper
61	100		
96	18.2	50.6	76.0#
98	41.4	32.2	48.2

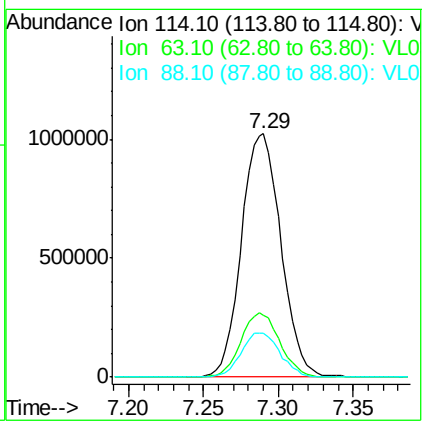


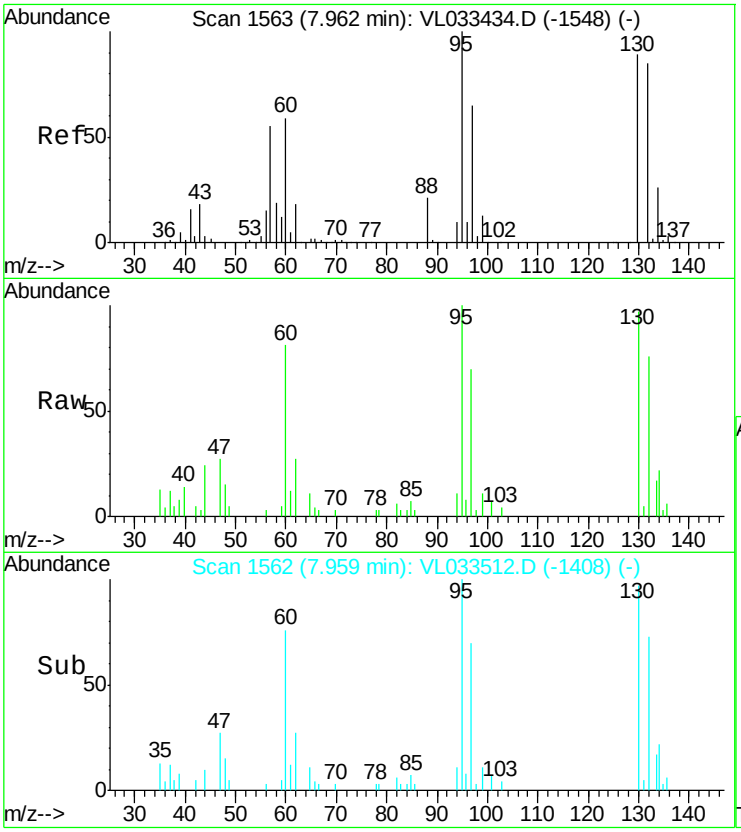


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Tgt Ion:114 Resp: 1879659

Ion	Ratio	Lower	Upper
114	100		
63	26.2	21.5	32.3
88	18.0	14.5	21.7



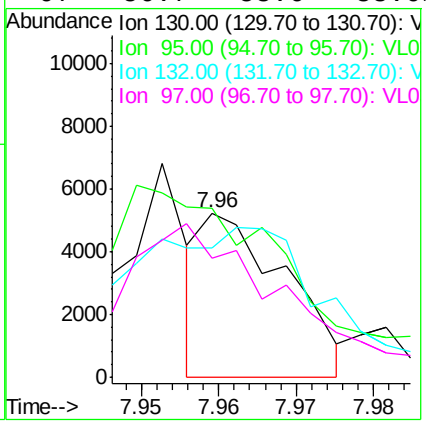


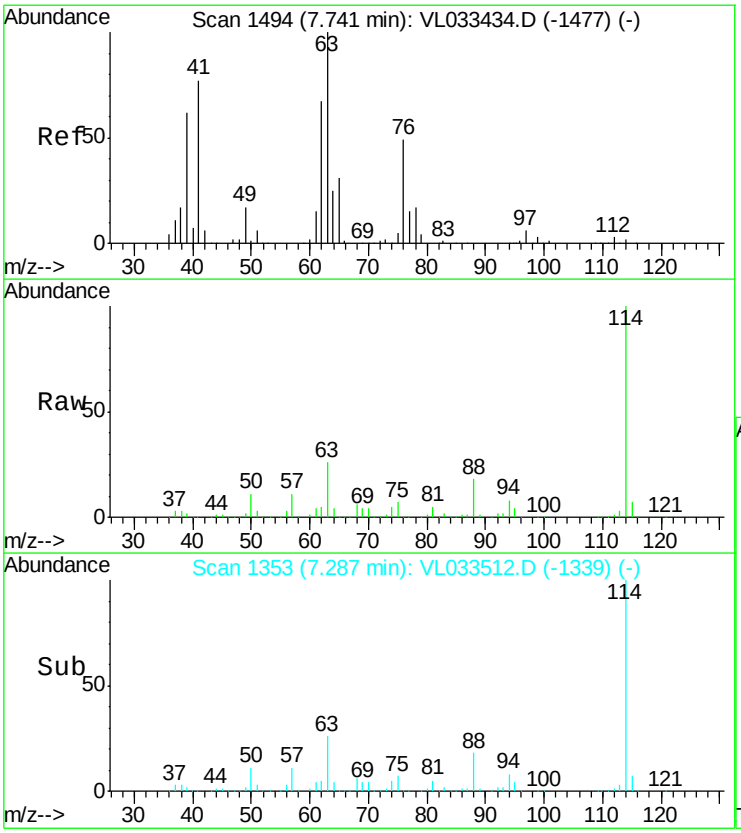
#38
Trichloroethene
Concen: 0.07 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:130 Resp: 3951

Ion	Ratio	Lower	Upper
130	100		
95	99.7	89.8	134.8
132	38.1	76.6	115.0#
97	56.7	58.6	88.0#

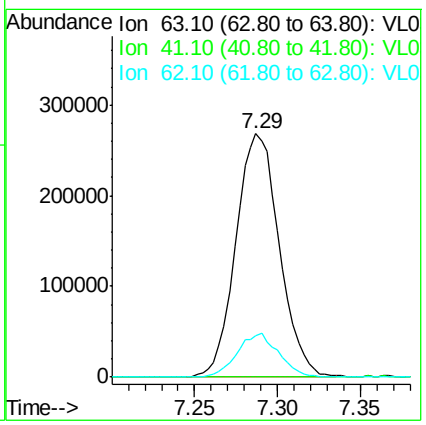


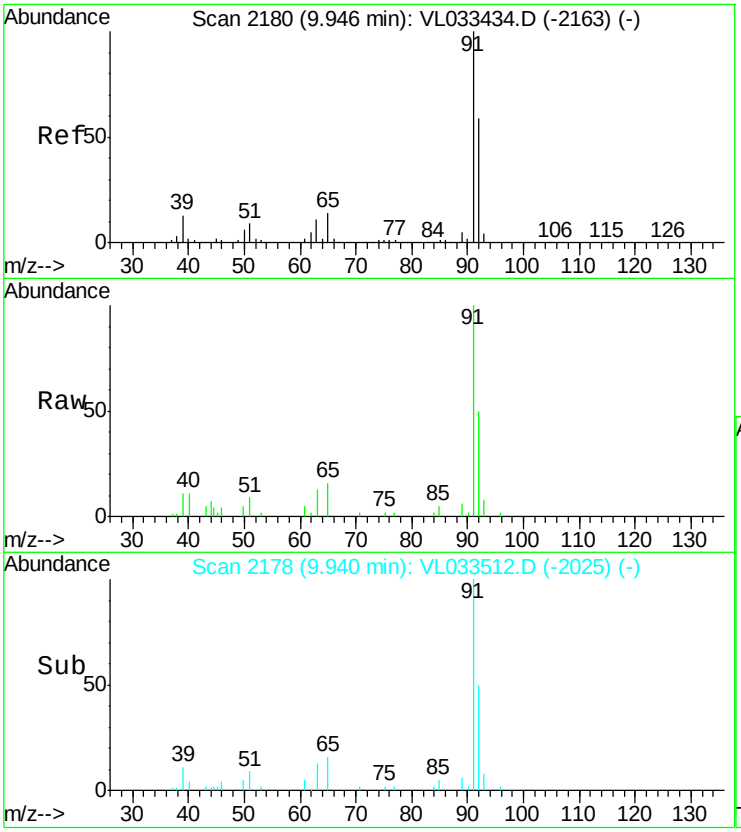


#39
1,2-Dichloropropane
Concen: 7.90 ppbv
RT: 7.29 min Scan# 1353
Delta R.T. -0.45 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Tgt Ion: 63 Resp: 488325

Ion	Ratio	Lower	Upper
63	100		
41	0.1	61.2	91.8#
62	17.2	54.0	81.0#



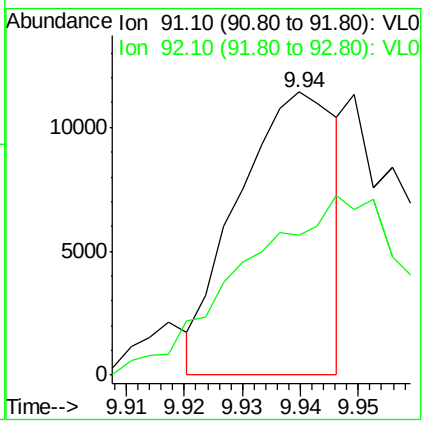


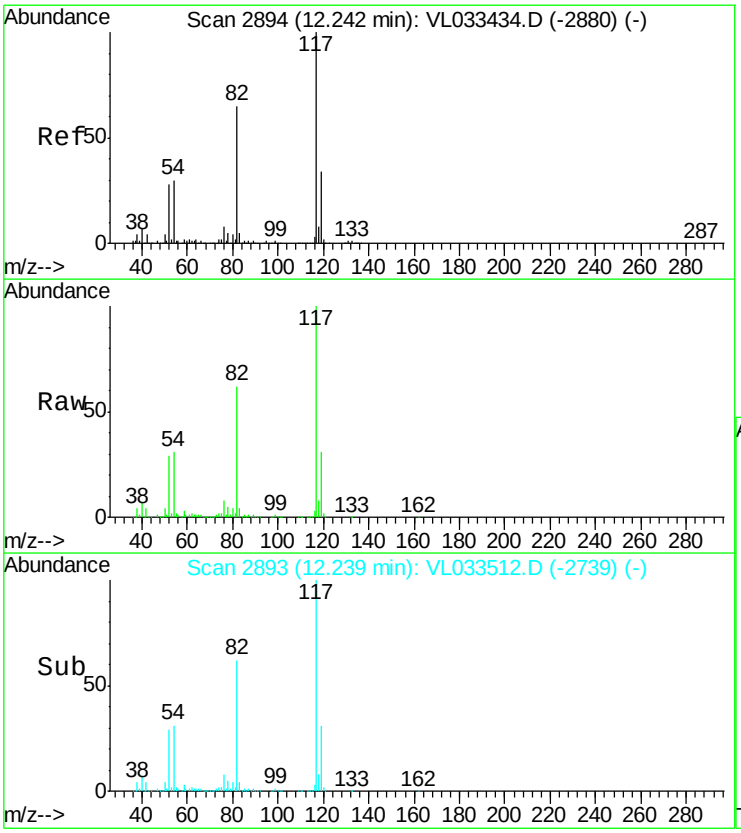
#53
Toluene
Concen: 0.07 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 13432

Ion	Ratio	Lower	Upper
91	100		
92	0.0	47.4	71.0#

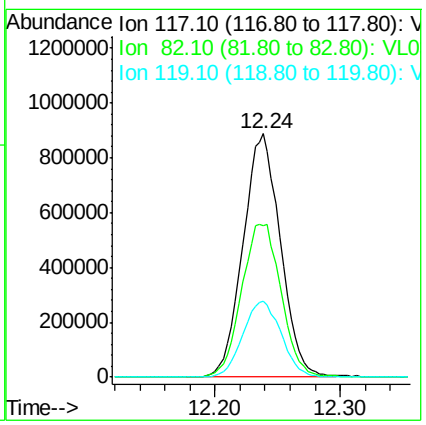


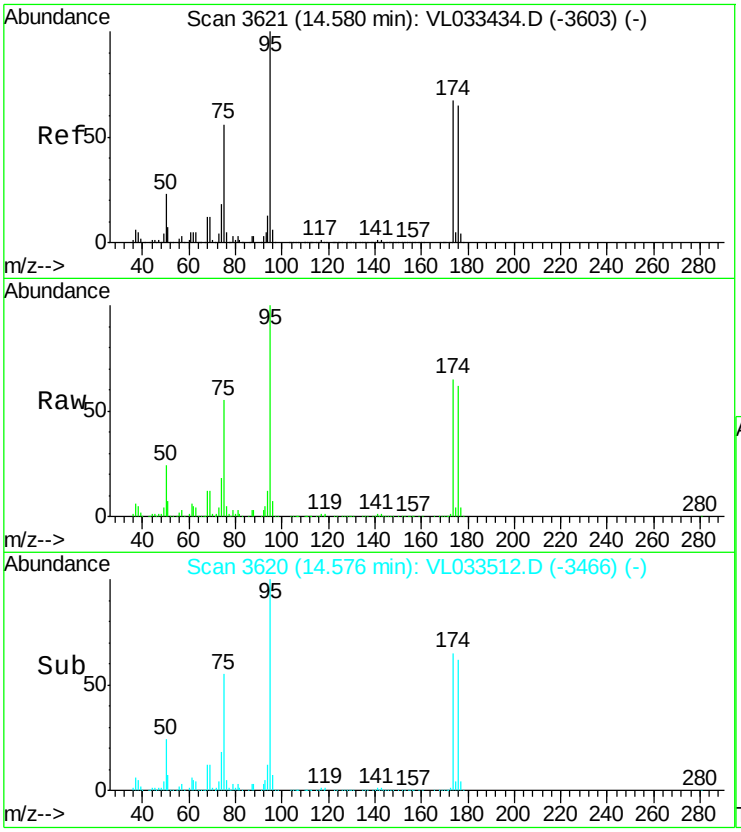


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Tgt Ion:117 Resp: 1846813

Ion	Ratio	Lower	Upper
117	100		
82	66.4	51.5	77.3
119	32.1	25.5	38.3





#68
1-Bromo-4-Fluorobenzene
Concen: 9.91 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL033512.D
Acq: 29 Mar 2019 21:33

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 1435410

Ion	Ratio	Lower	Upper
95	100		
174	65.7	52.9	79.3
175	4.7	3.8	5.6