Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041019\

Quantitation Report (Not Reviewed)

Data File : VL033572.D
Acq On : 10 Apr 2019 20:17
Operator : SY/AP
Sample : K2301-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA2DL

Quant Time: Apr 11 03:46:06 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	919045	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2154301	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2150784	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	1713659	10.16	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	7685	0.057	ppbv		100
3) Chlorodifluoromethane	2.99	51	19760	0.187	ppbv	#	72
4) Chloromethane	3.17	50	1888	0.034	ppbv	#	82
9) Propene	3.04	41	11868	0.267	ppbv		91
13) Ethanol	3.65	45	161289	14.027	ppbv		68
15) Acetone	3.91	43	81728	0.740	ppbv		95
16) 1,3-Butadiene	3.35	39	2261	0.052	ppbv	#	6
19) Isopropyl Alcohol	4.04	45	22440	0.321	ppbv	#	94
20) Methylene Chloride	4.41	84	20098	0.428	ppbv	#	90
25) Ethyl Acetate	5.78	43	7909	0.039	ppbv	#	89
26) Hexane	5.78	57	12354	0.136	ppbv	#	49
34) 2-Butanone	5.35	43	6809	0.053	ppbv		99
36) Benzene	7.00	78	7860	0.043	ppbv	#	81
39) 1,2-Dichloropropane	7.29	63	557993	7.880	ppbv	#	23
52) Tetrachloroethene	11.37	164	5026	0.074	ppbv		90
53) Toluene	9.94	91	13920	0.066	ppbv	#	24
74) 1,2,4-Trimethylbenzene	16.92	105	10135	0.035	ppbv	#	77

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

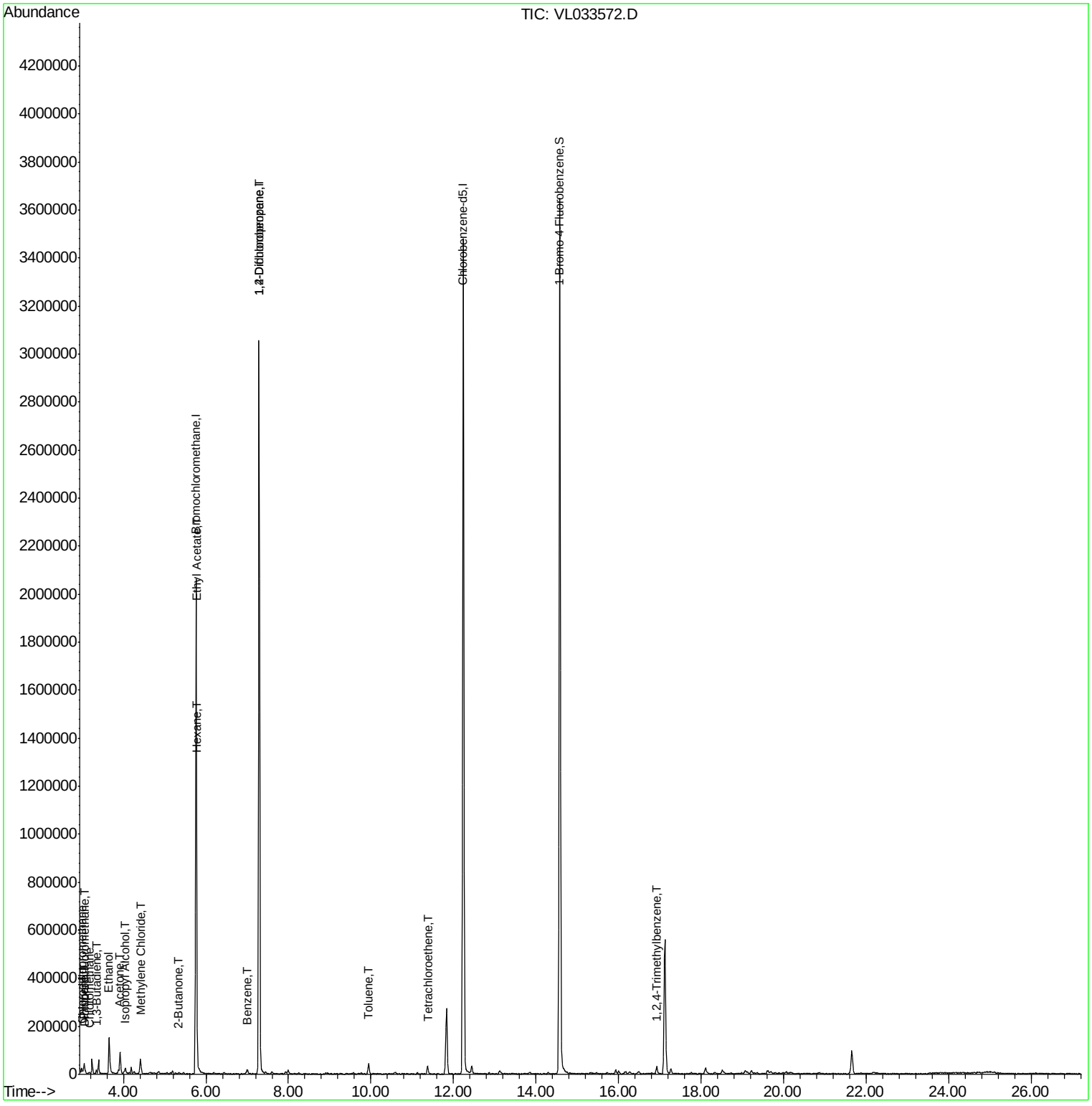
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041019\

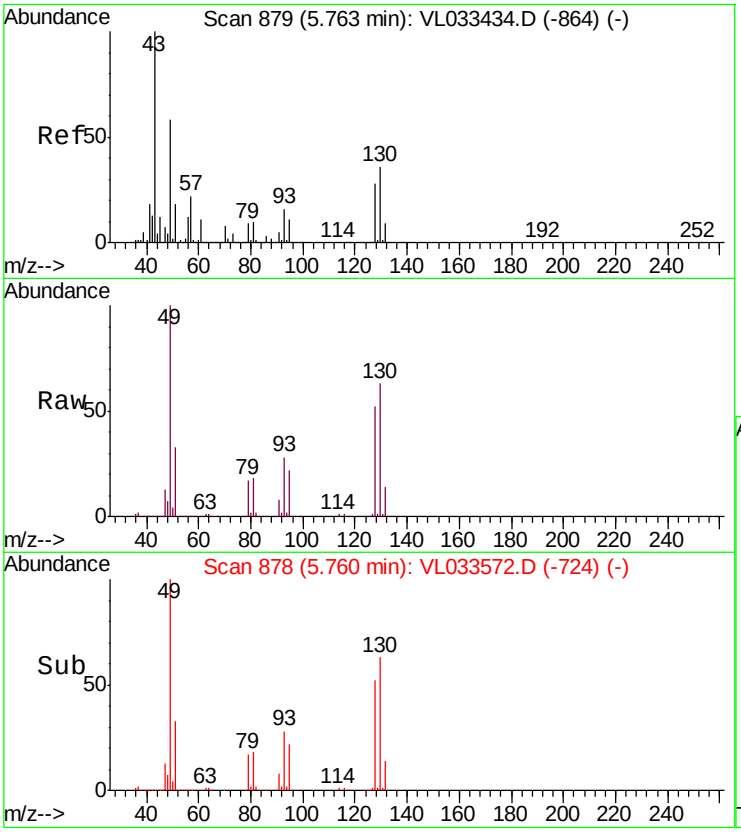
Quantitation Report (Not Reviewed)

Data File : VL033572.D
Acq On : 10 Apr 2019 20:17
Operator : SY/AP
Sample : K2301-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA2DL

Quant Time: Apr 11 03:46:06 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



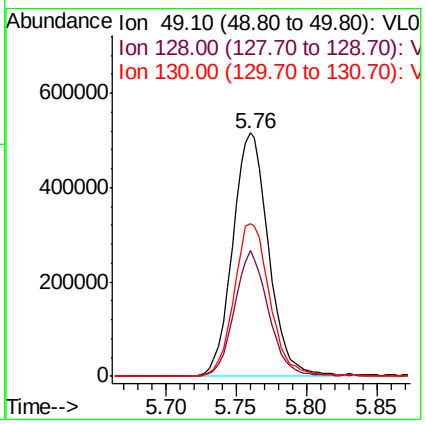


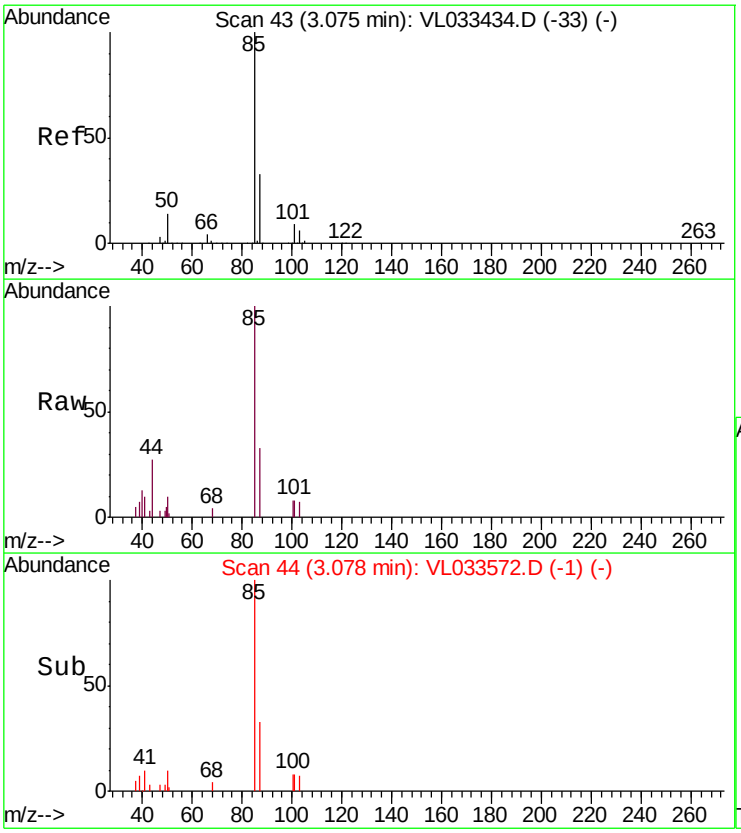
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tgt Ion: 49 Resp: 919045

Ion	Ratio	Lower	Upper
49	100		
128	49.0	24.0	72.0
130	63.1	31.2	93.6

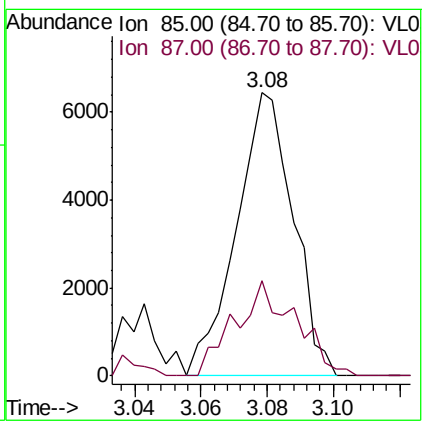


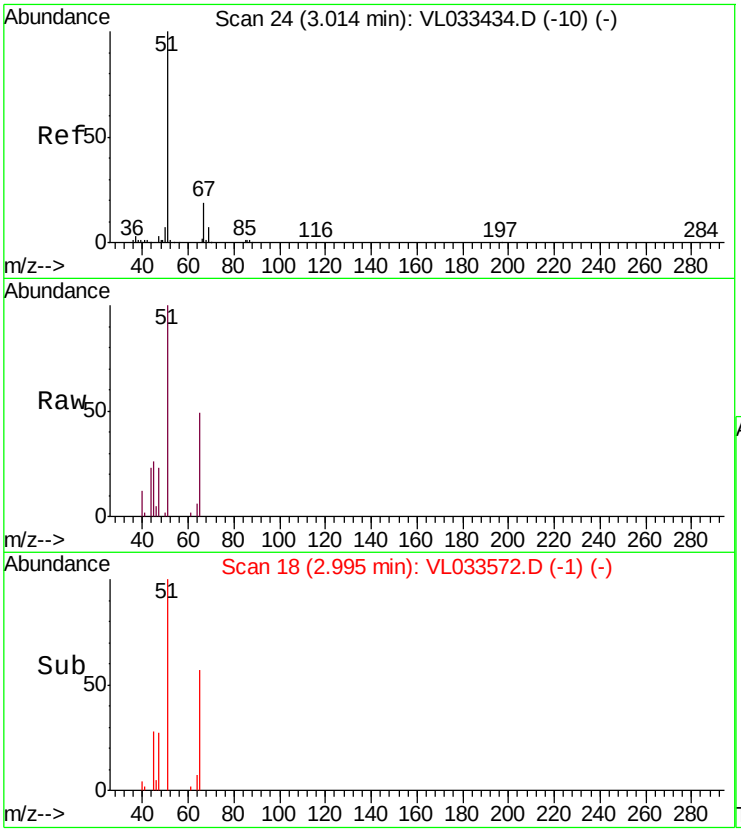


#2
Dichlorodifluoromethane
Concen: 0.057 ppbv
RT: 3.08 min Scan# 44
Delta R.T. 0.00 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Tgt Ion: 85 Resp: 7685

Ion	Ratio	Lower	Upper
85	100		
87	33.5	26.7	40.1



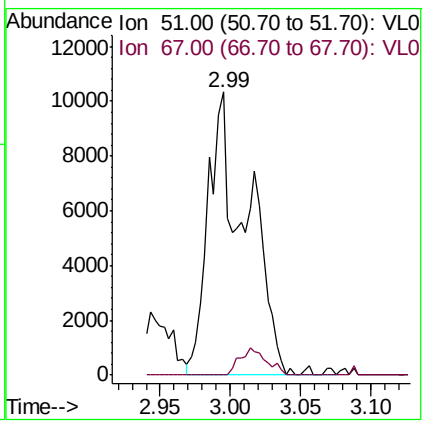


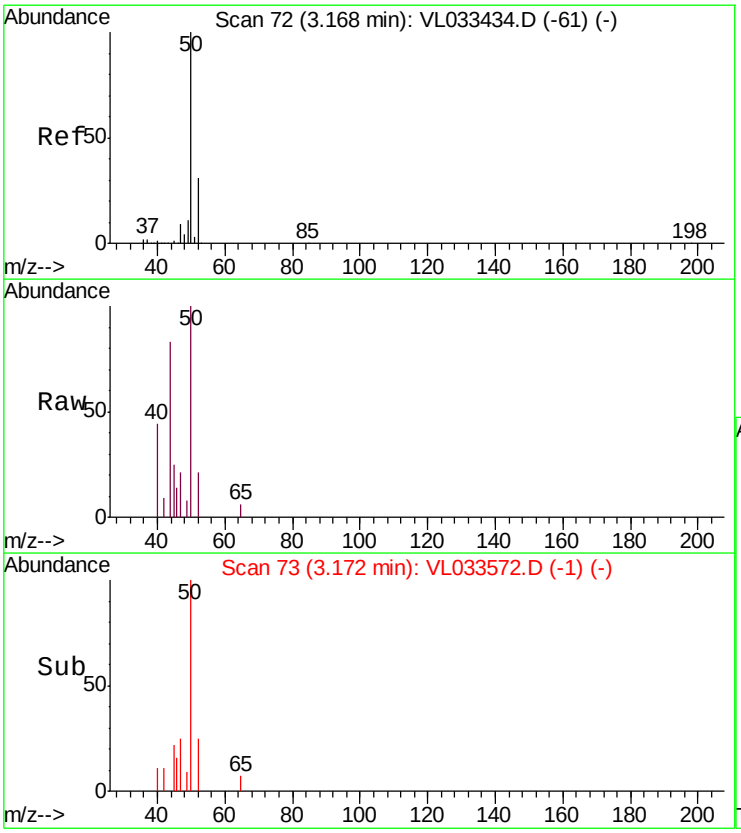
#3
Chlorodifluoromethane
Concen: 0.187 ppbv
RT: 2.99 min Scan# 18
Delta R.T. -0.02 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Instrument : MSVOA_L
ClientSampleId : IA2DL

Tgt Ion: 51 Resp: 19760

Ion	Ratio	Lower	Upper
51	100		
67	6.7	15.7	23.5#

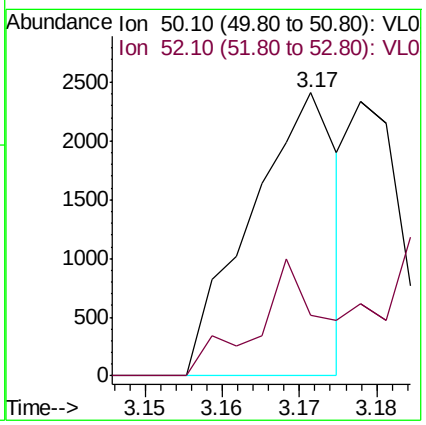


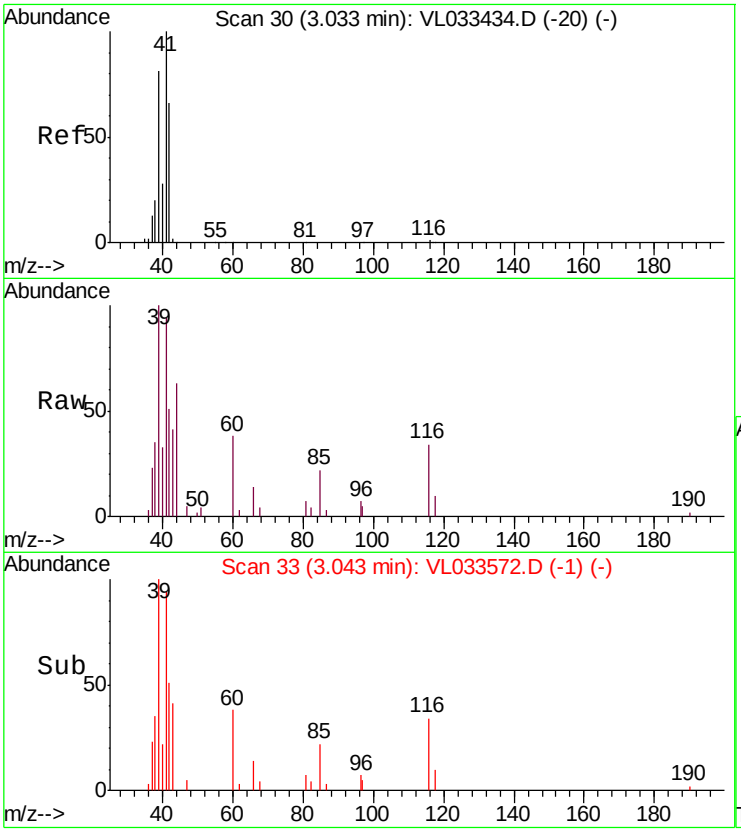


#4
Chloromethane
Concen: 0.034 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Tgt Ion: 50 Resp: 1888

Ion	Ratio	Lower	Upper
50	100		
52	21.4	25.0	37.6#



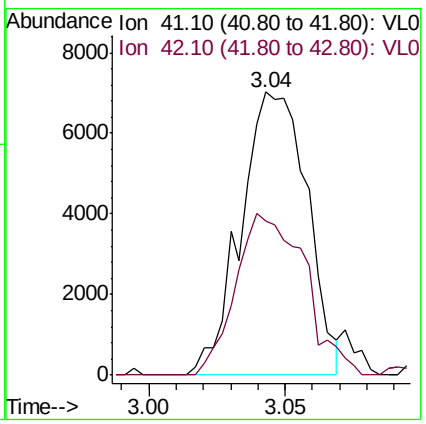


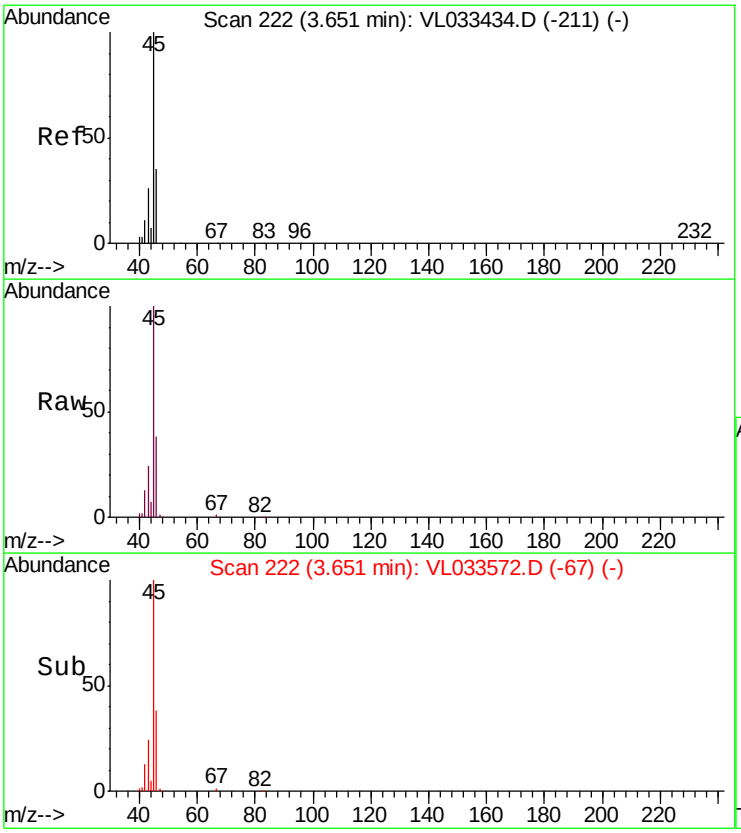
#9
Propene
Concen: 0.267 ppbv
RT: 3.04 min Scan# 33
Delta R.T. 0.01 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tgt Ion: 41 Resp: 11868

Ion	Ratio	Lower	Upper
41	100		
42	60.5	53.9	80.9

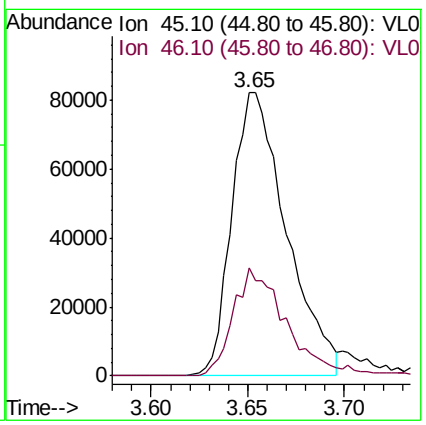


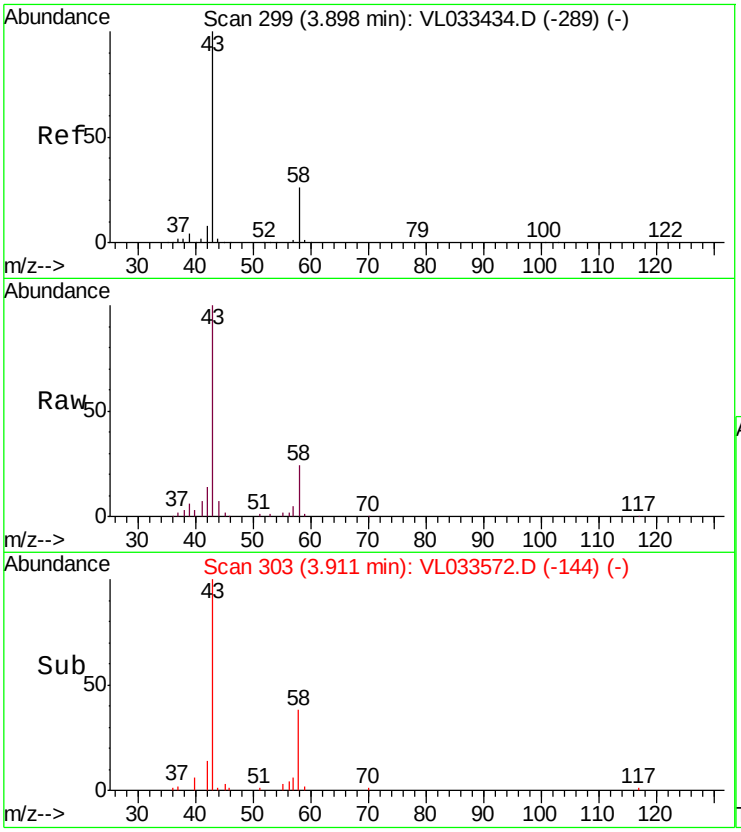


#13
Ethanol
Concen: 14.027 ppbv
RT: 3.65 min Scan# 222
Delta R.T. -0.00 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Tgt Ion: 45 Resp: 161289

Ion	Ratio	Lower	Upper
45	100		
46	38.5	25.4	101.8



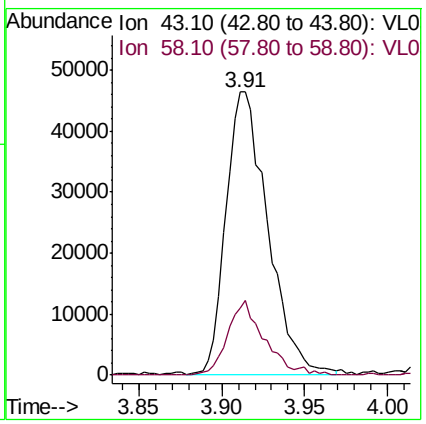


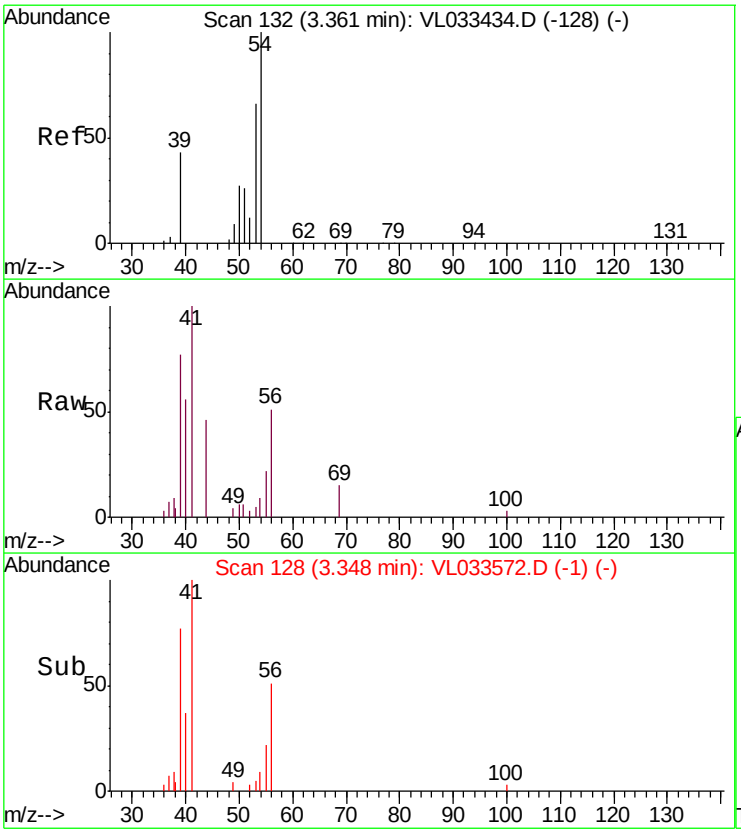
#15
Acetone
Concen: 0.740 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.01 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Instrument : MSVOA_L
ClientSampleId : IA2DL

Tgt Ion: 43 Resp: 81728

Ion	Ratio	Lower	Upper
43	100		
58	23.3	20.5	30.7

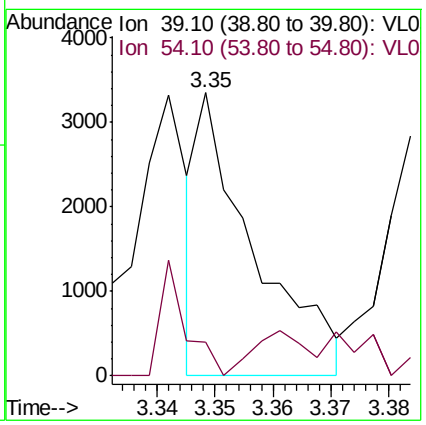


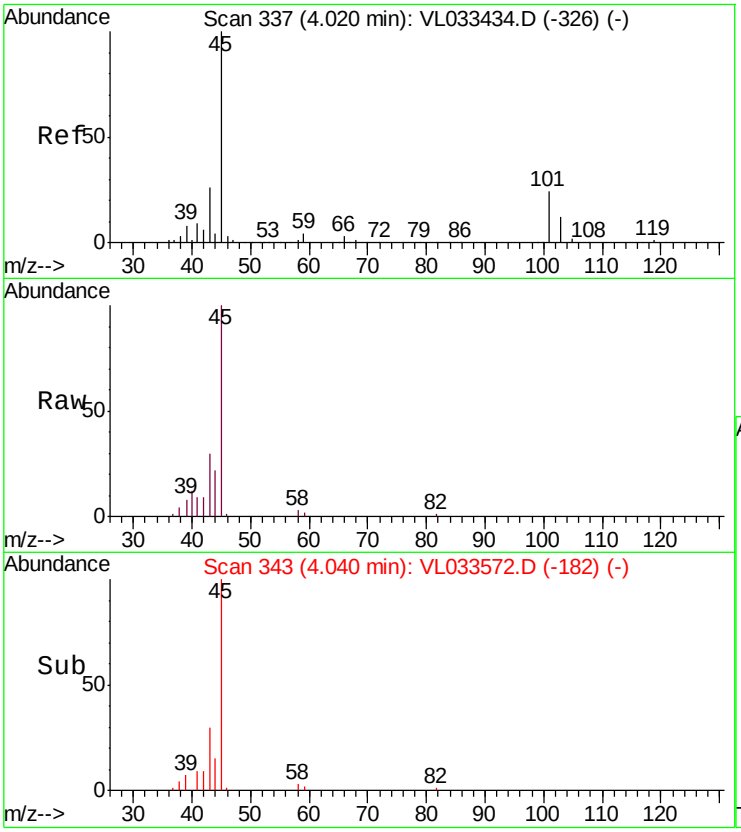


#16
1,3-Butadiene
Concen: 0.052 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.01 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Tgt Ion: 39 Resp: 2261

Ion	Ratio	Lower	Upper
39	100		
54	0.0	69.4	104.2#



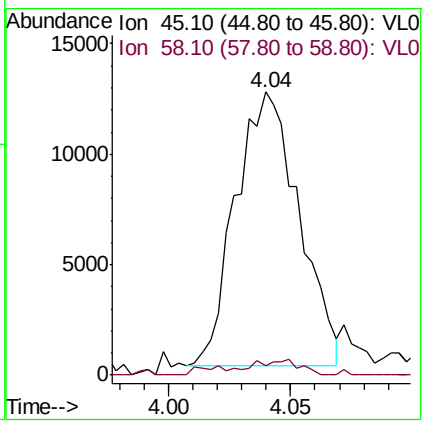


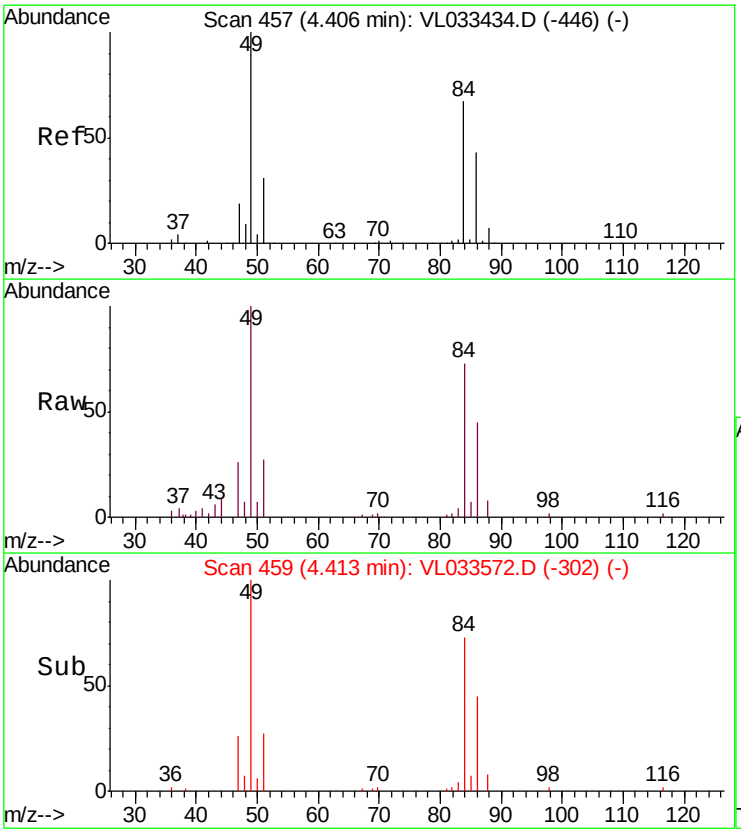
#19
Isopropyl Alcohol
Concen: 0.321 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.02 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Instrument : MSVOA_L
ClientSampleId : IA2DL

Tgt Ion: 45 Resp: 22440

Ion	Ratio	Lower	Upper
45	100		
58	4.0	1.4	2.2#

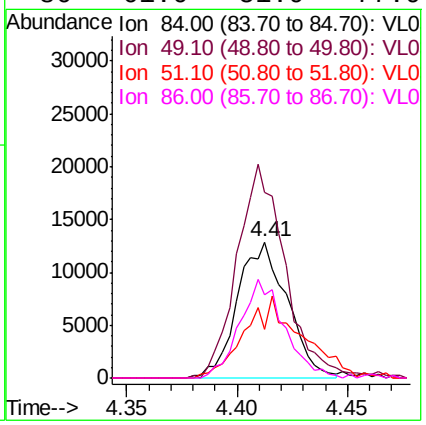


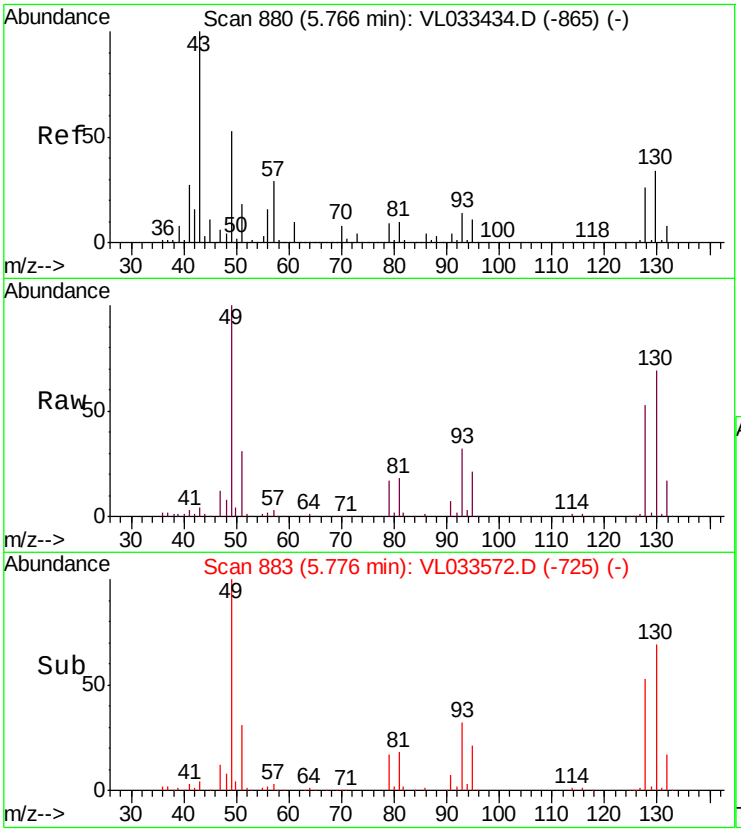


#20
Methylene Chloride
Concen: 0.428 ppbv
RT: 4.41 min Scan# 459
Delta R.T. 0.01 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Tgt Ion: 84 Resp: 20098

Ion	Ratio	Lower	Upper
84	100		
49	136.3	120.0	180.0
51	36.2	36.7	55.1#
86	61.0	51.9	77.9



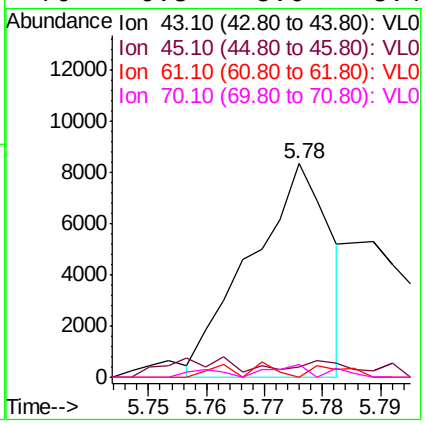


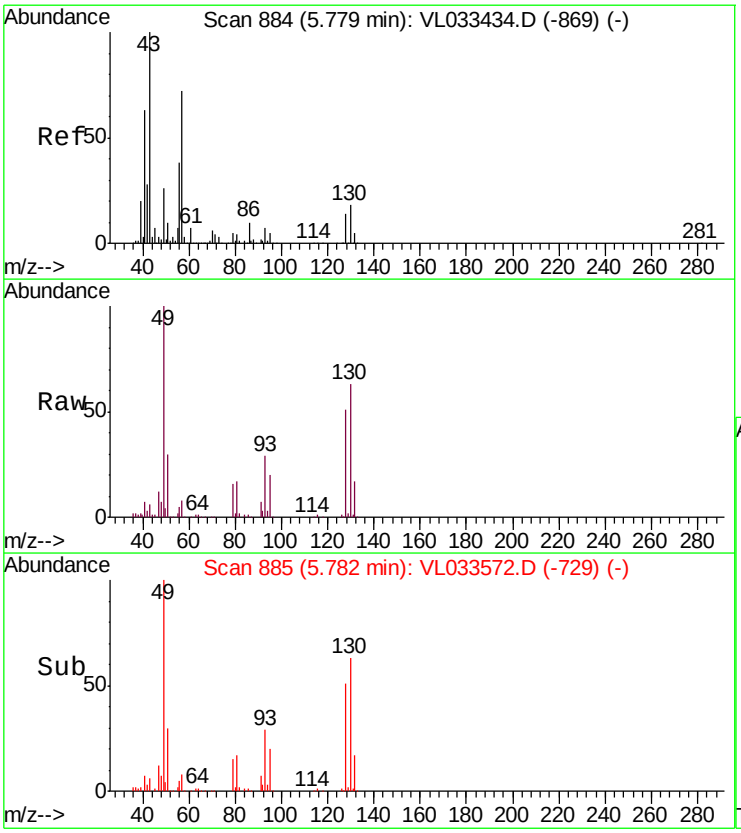
#25
Ethyl Acetate
Concen: 0.039 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tgt Ion: 43 Resp: 7909

Ion	Ratio	Lower	Upper
43	100		
45	15.4	7.8	11.6#
61	4.5	7.3	10.9#
70	6.3	5.6	8.4

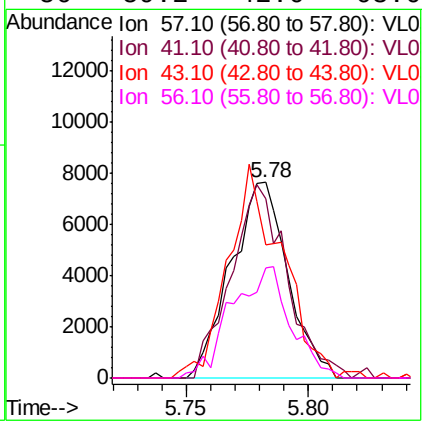


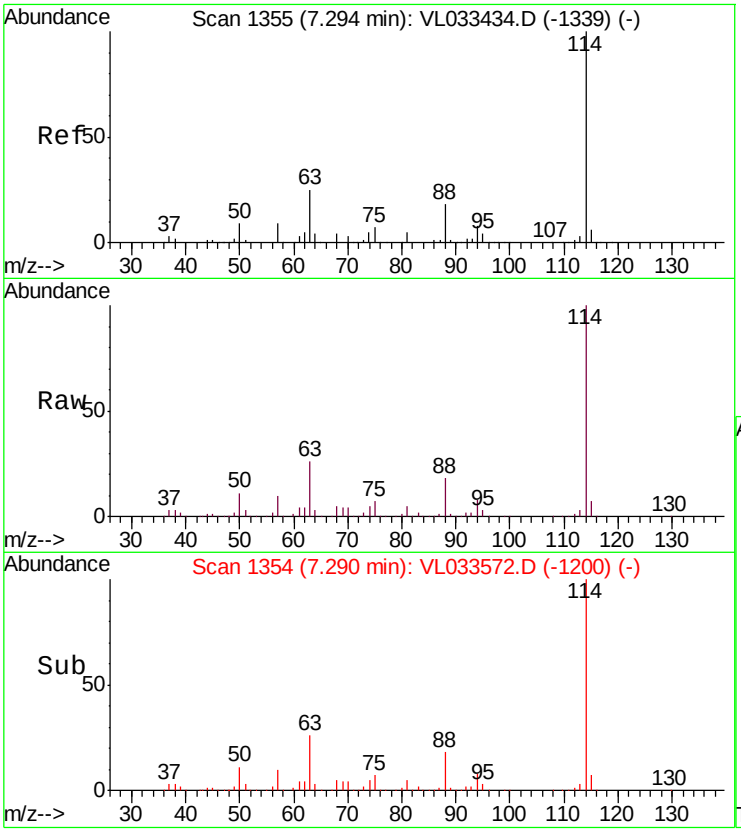


#26
Hexane
Concen: 0.136 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Tgt Ion: 57 Resp: 12354

Ion	Ratio	Lower	Upper
57	100		
41	98.2	70.7	106.1
43	103.8	182.6	274.0#
56	59.2	42.0	63.0



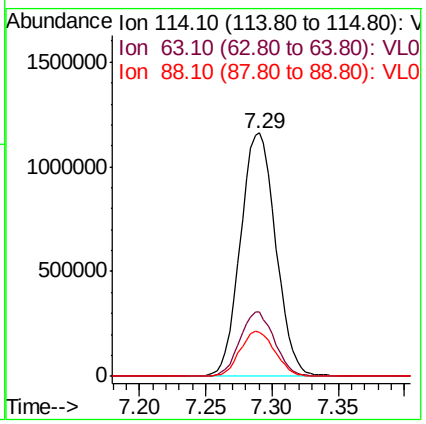


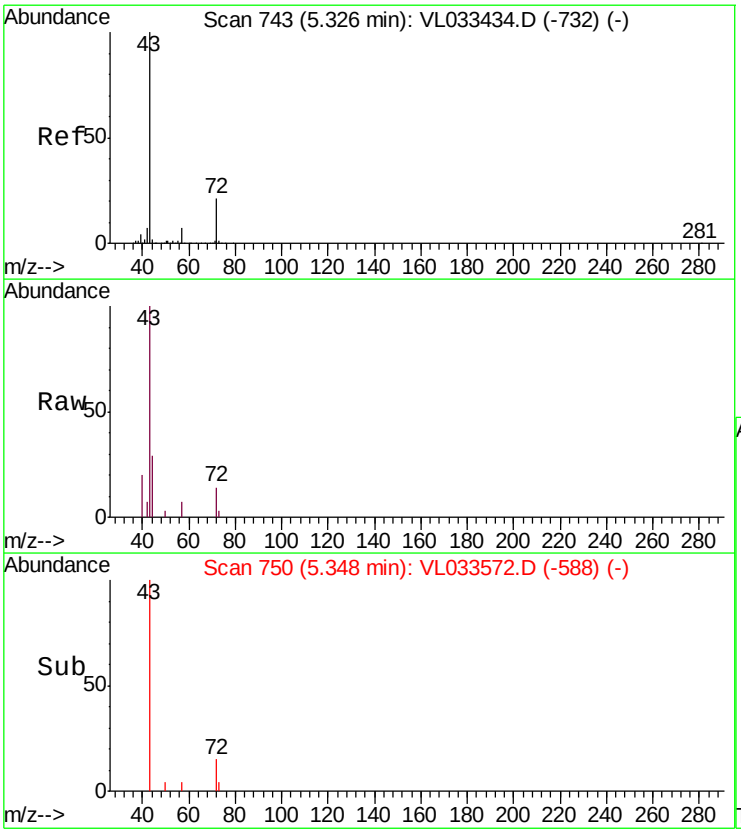
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tgt Ion:114 Resp: 2154301

Ion	Ratio	Lower	Upper
114	100		
63	26.1	21.5	32.3
88	18.3	14.5	21.7

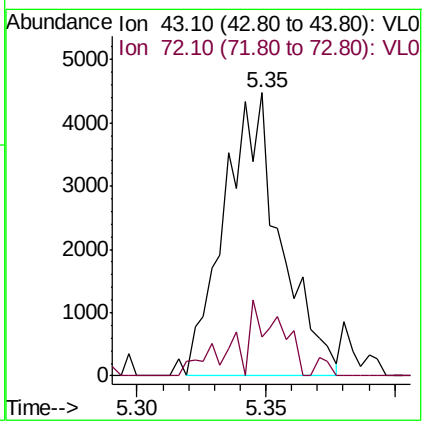


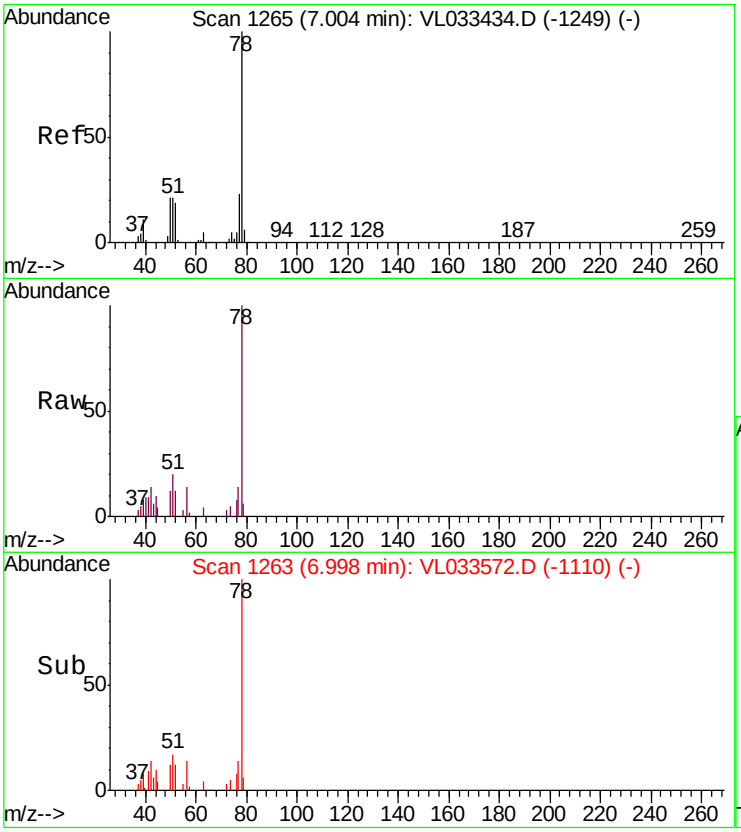


#34
2-Butanone
Concen: 0.053 ppbv
RT: 5.35 min Scan# 750
Delta R.T. 0.02 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Tgt Ion: 43 Resp: 6809

Ion	Ratio	Lower	Upper
43	100		
72	22.2	17.4	26.2



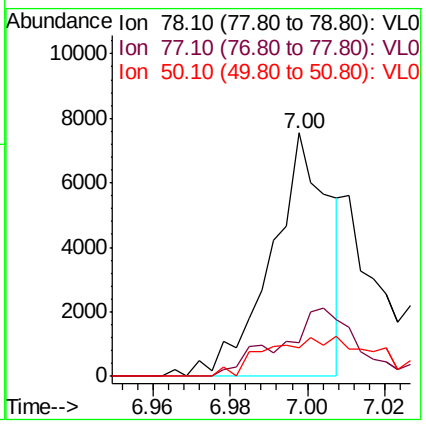


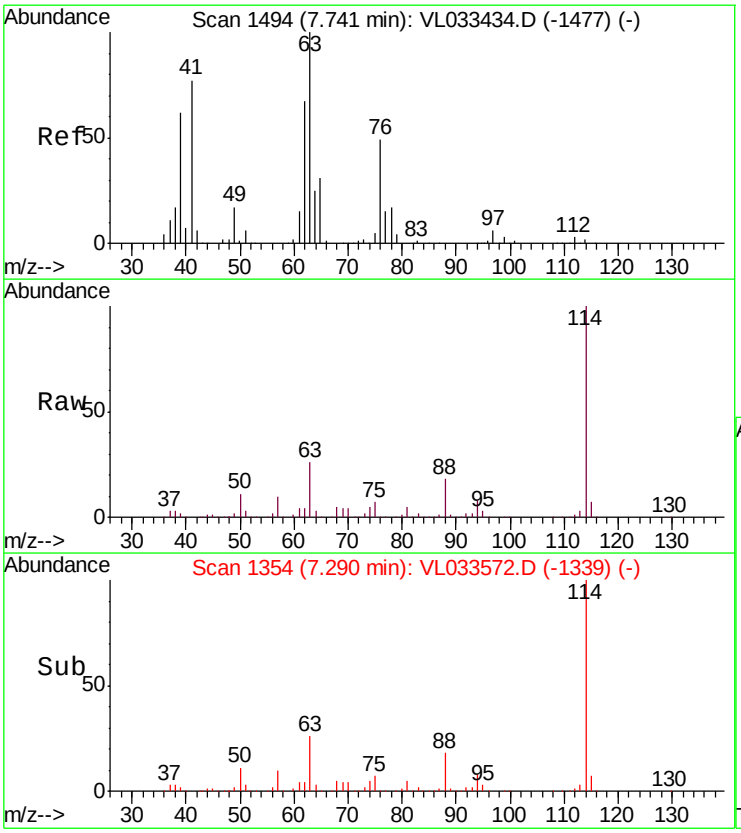
#36
Benzene
Concen: 0.043 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tgt Ion: 78 Resp: 7860

Ion	Ratio	Lower	Upper
78	100		
77	14.0	18.1	27.1#
50	11.7	16.7	25.1#

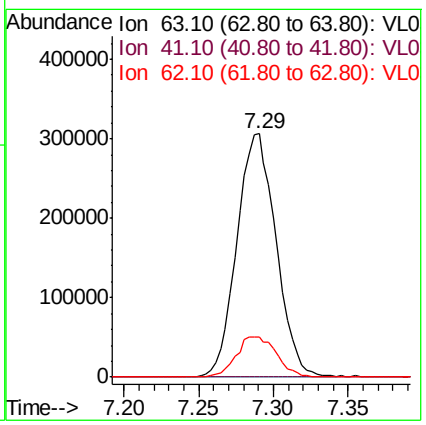


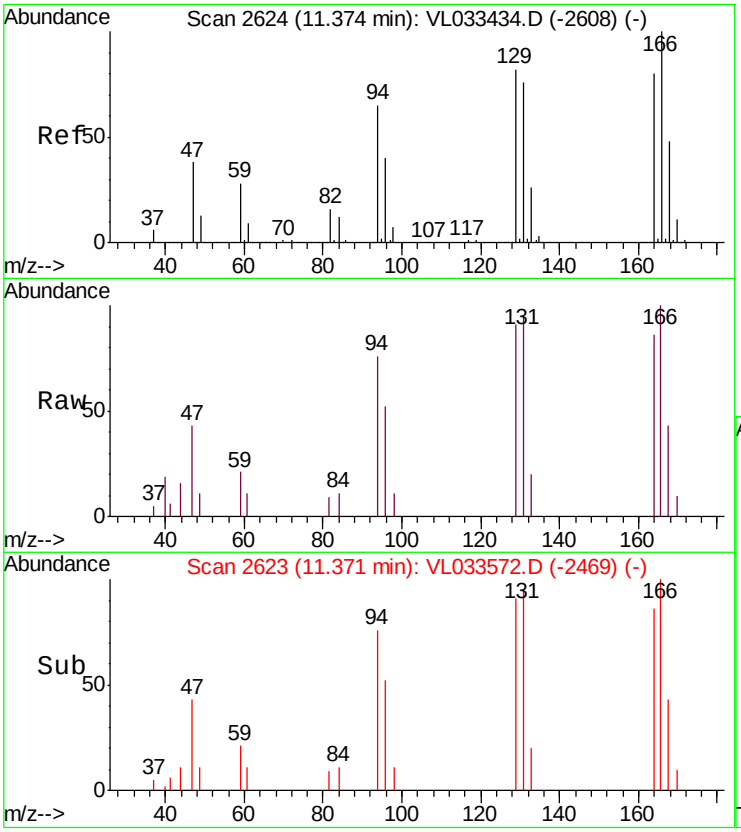


#39
1,2-Dichloropropane
Concen: 7.880 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.45 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Tgt Ion: 63 Resp: 557993

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.2	91.8#
62	16.6	54.0	81.0#



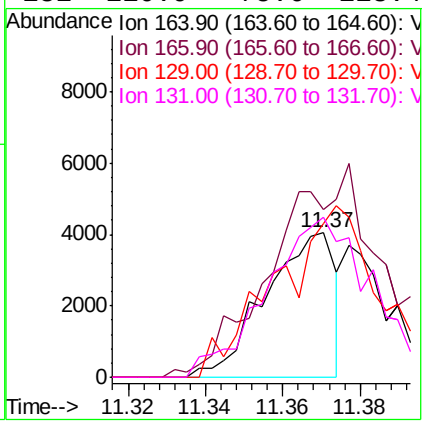


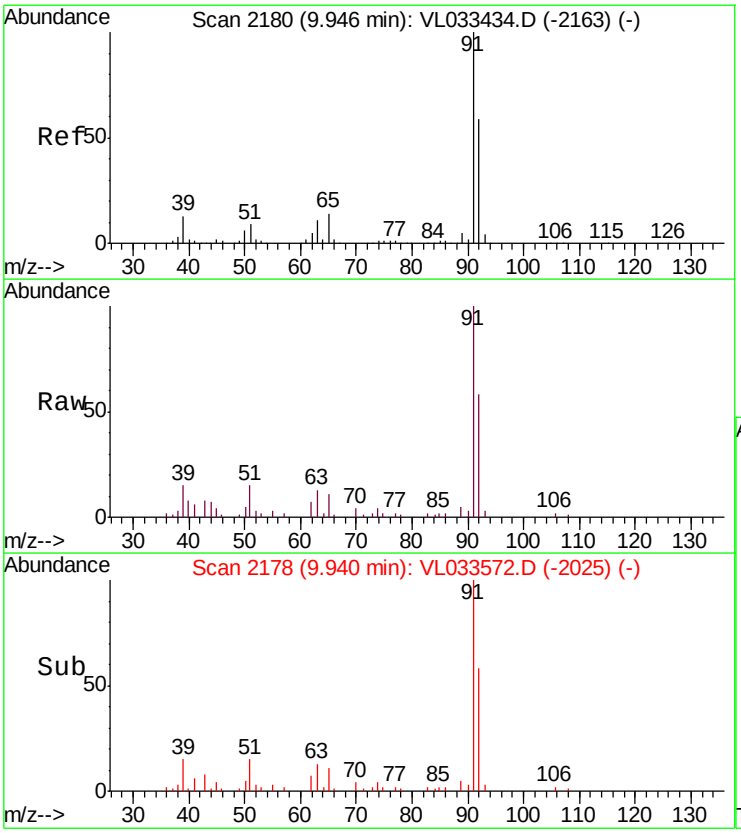
#52
Tetrachloroethene
Concen: 0.074 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Instrument : MSVOA_L
ClientSampleId : IA2DL

Tgt Ion:164 Resp: 5026

Ion	Ratio	Lower	Upper
164	100		
166	112.5	99.5	149.3
129	106.0	81.4	122.2
131	110.9	75.6	113.4

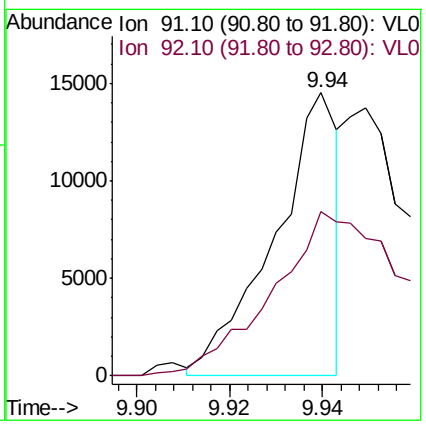


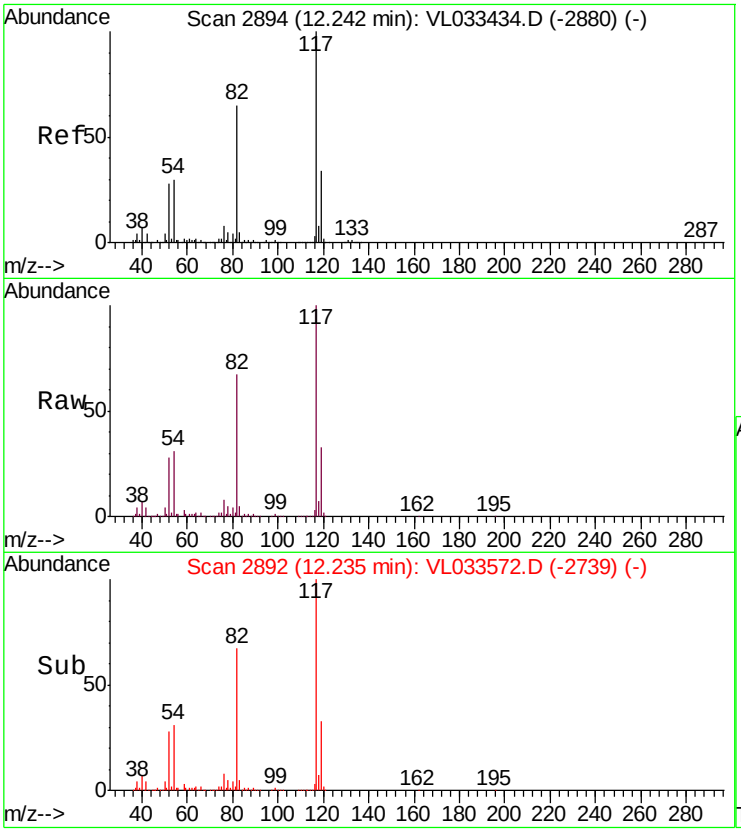


#53
Toluene
Concen: 0.066 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Tgt Ion: 91 Resp: 13920

Ion	Ratio	Lower	Upper
91	100		
92	116.3	47.4	71.0#



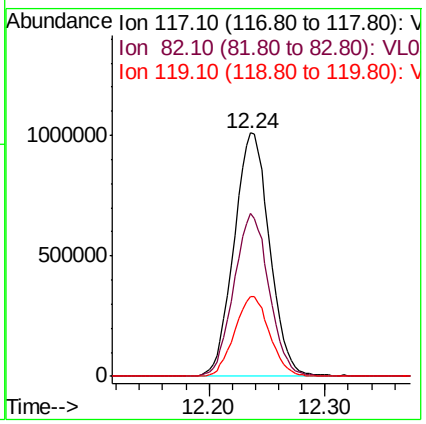


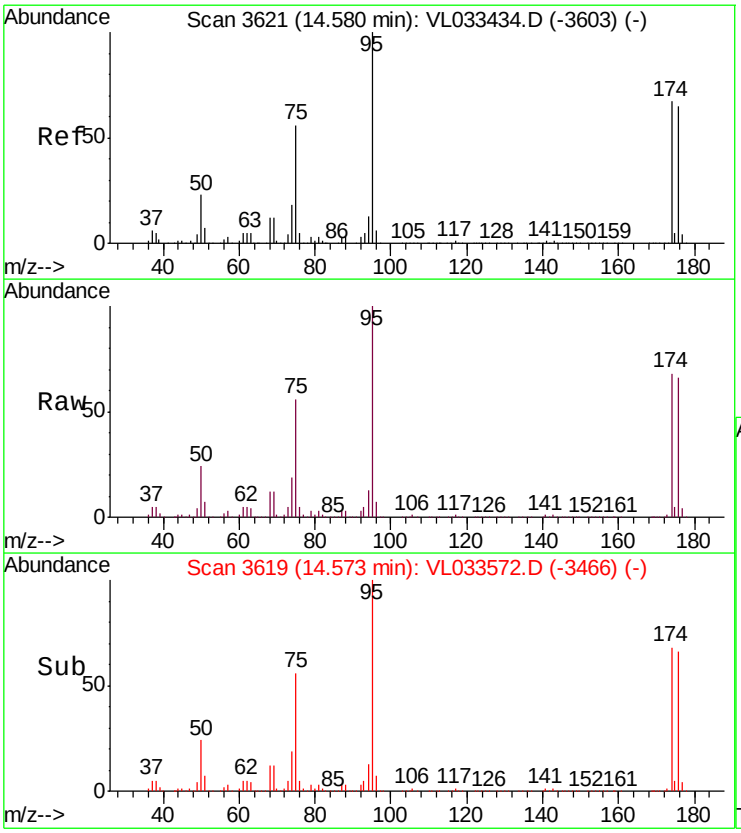
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Instrument : MSVOA_L
ClientSampleId : IA2DL

Tgt Ion:117 Resp: 2150784

Ion	Ratio	Lower	Upper
117	100		
82	66.6	51.5	77.3
119	32.4	25.5	38.3

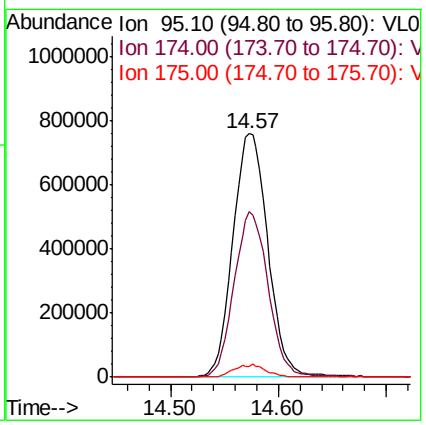


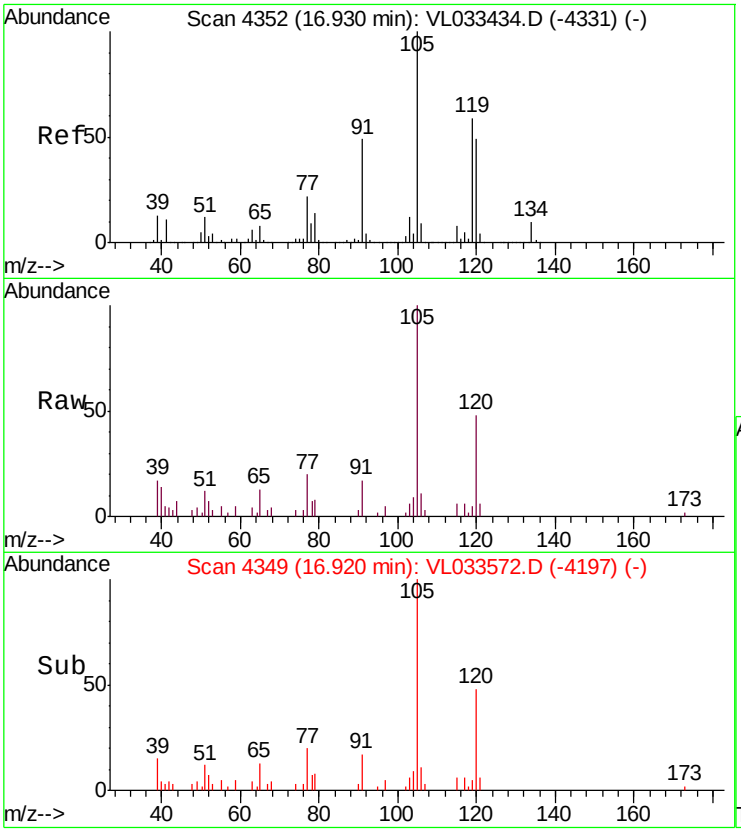


#68
1-Bromo-4-Fluorobenzene
Concen: 10.163 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Tgt Ion: 95 Resp: 1713659

Ion	Ratio	Lower	Upper
95	100		
174	66.7	52.9	79.3
175	4.9	3.8	5.6





#74
1,2,4-Trimethylbenzene
Concen: 0.035 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL033572.D
Acq: 10 Apr 2019 20:17

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tgt Ion:105 Resp: 10135

Ion	Ratio	Lower	Upper
105	100		
120	48.9	39.0	58.6
91	15.3	40.0	60.0#
77	17.5	17.5	26.3