Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032119\

Quantitation Report (Not Reviewed)

Data File : VL033429.D
Acq On : 22 Mar 2019 11:10
Operator : SY/AP
Sample : K1975-04DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV2DL

Quant Time: Mar 23 02:28:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	712780	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1622104	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1634414	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1303346	10.76	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 107.60%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	3.01	51	2825	0.035	ppbv #	84
9) Propene	3.04	41	10225	0.280	ppbv	96
11) Trichlorofluoromethane	4.01	101	7578	0.061	ppbv	95
15) Acetone	3.90	43	421320	3.803	ppbv	98
16) 1,3-Butadiene	3.35	39	6524	0.181	ppbv #	32
17) tert-Butyl alcohol	4.38	59	3401	0.218	ppbv #	74
20) Methylene Chloride	4.41	84	18932	0.524	ppbv	91
23) Vinyl Acetate	5.15	43	6781	0.053	ppbv #	32
25) Ethyl Acetate	5.78	43	8439	0.052	ppbv #	83
26) Hexane	5.78	57	7442	0.103	ppbv #	1
32) 1,1,1-Trichloroethane	6.62	97	245474	2.121	ppbv	98
34) 2-Butanone	5.34	43	30135	0.283	ppbv	98
36) Benzene	7.01	78	7695	0.053	ppbv #	93
37) 1,2-Dichloroethane	6.62	62	17454	0.190	ppbv #	1
39) 1,2-Dichloropropane	7.29	63	435551	8.012	ppbv #	24
52) Tetrachloroethene	11.38	164	1238345	20.476	ppbv	99
53) Toluene	9.95	91	38252	0.232	ppbv	98

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

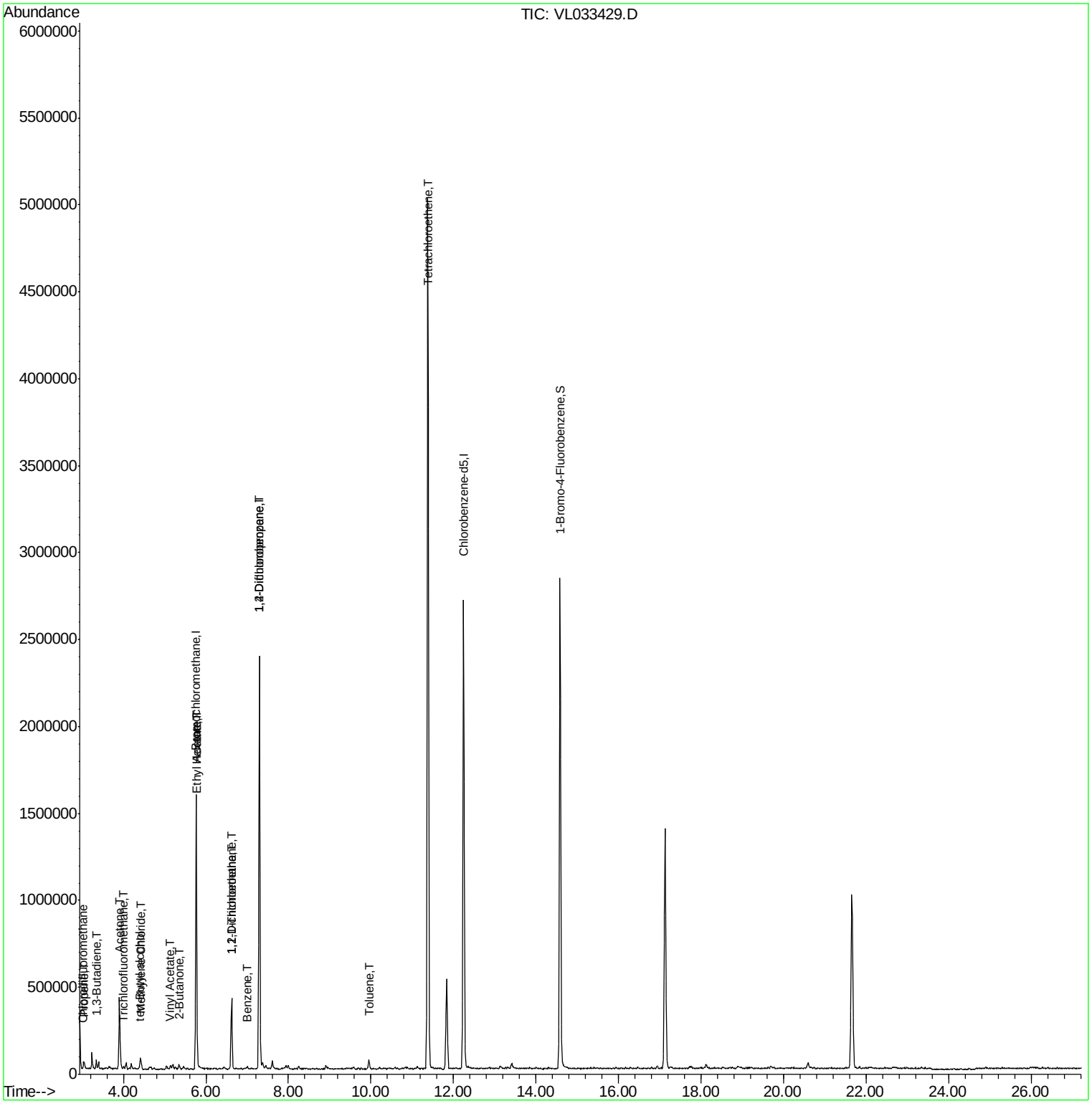
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032119\

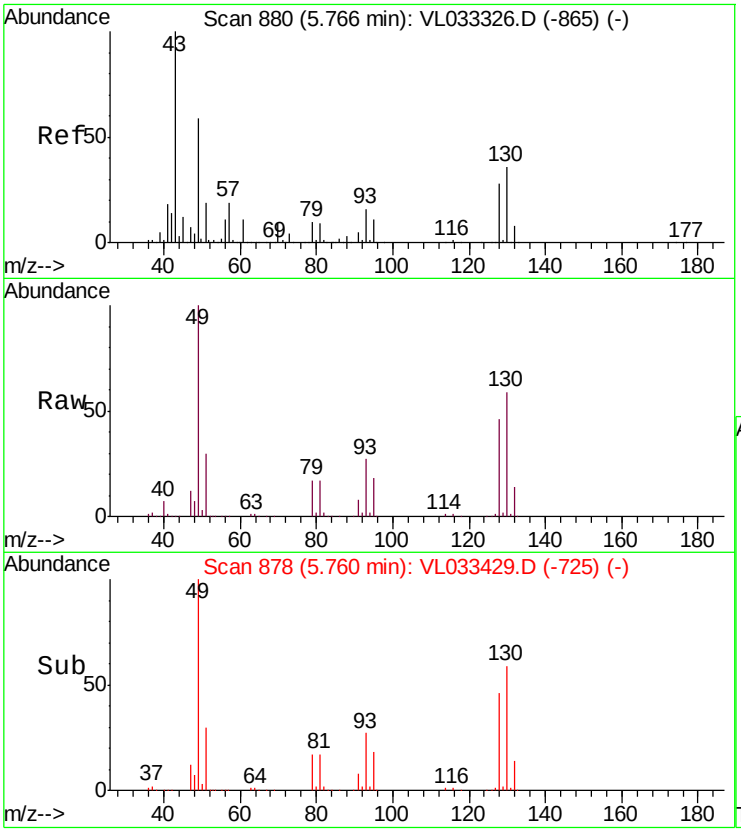
Quantitation Report (Not Reviewed)

Data File : VL033429.D
Acq On : 22 Mar 2019 11:10
Operator : SY/AP
Sample : K1975-04DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV2DL

Quant Time: Mar 23 02:28:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL031519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Mar 15 14:52:14 2019
QLast Update : Fri Mar 15 14:52:14 2019
Response via : Initial Calibration



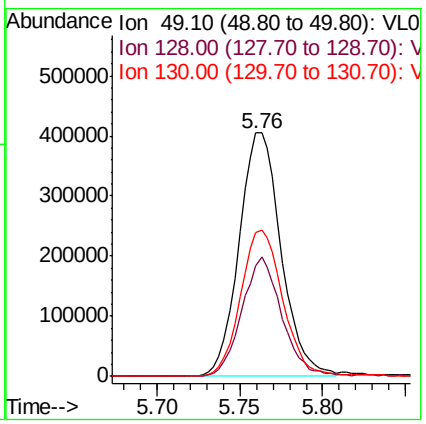


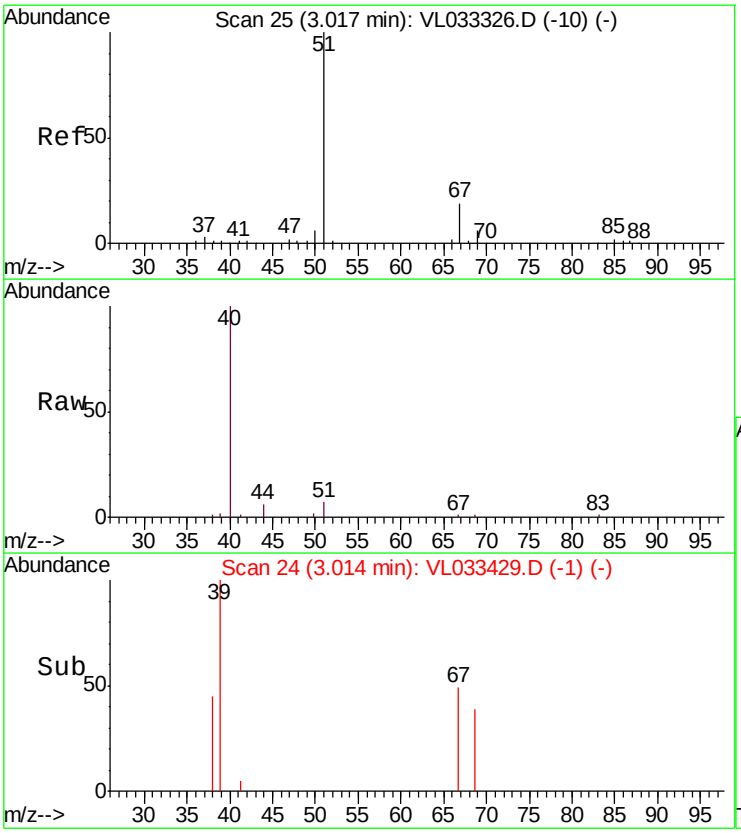
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 49 Resp: 712780

Ion	Ratio	Lower	Upper
49	100		
128	47.1	23.5	70.6
130	60.8	30.1	90.3

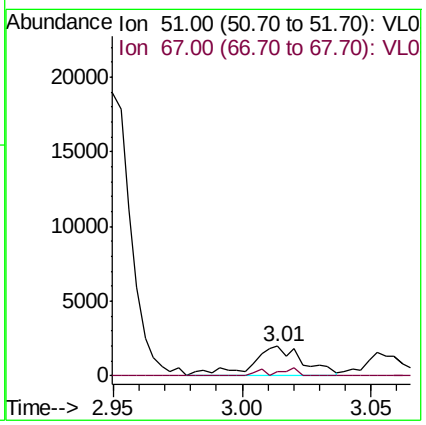


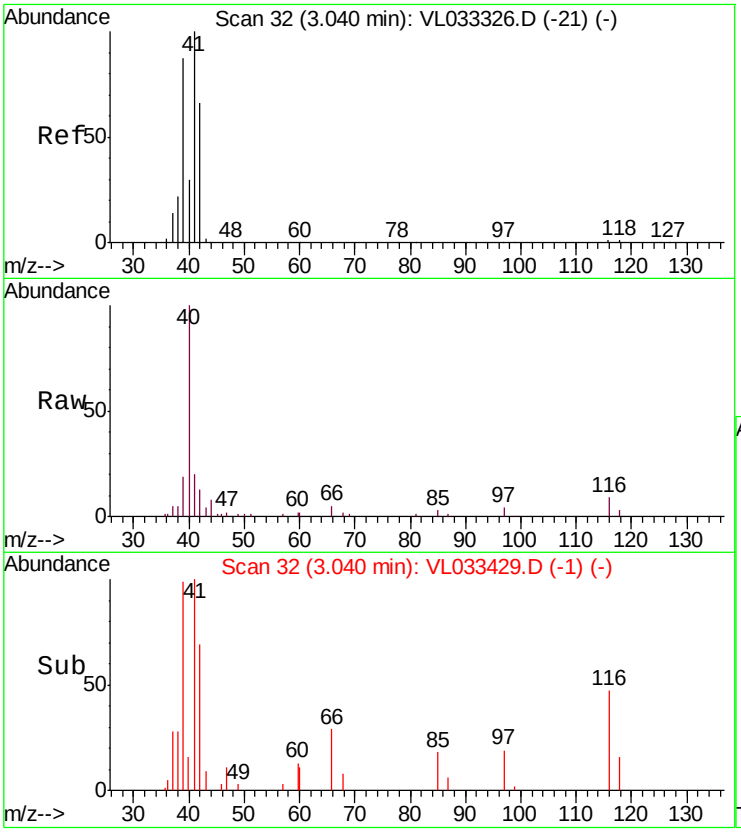


#3
Chlorodifluoromethane
Concen: 0.035 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Tgt Ion: 51 Resp: 2825

Ion	Ratio	Lower	Upper
51	100		
67	11.6	14.9	22.3#



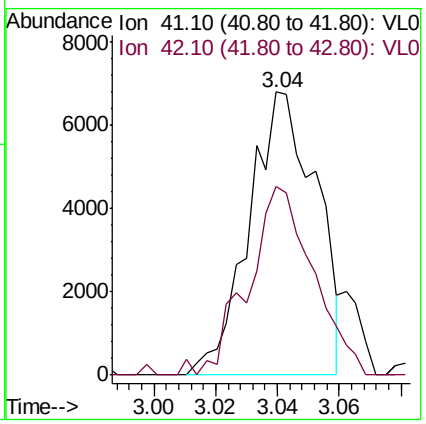


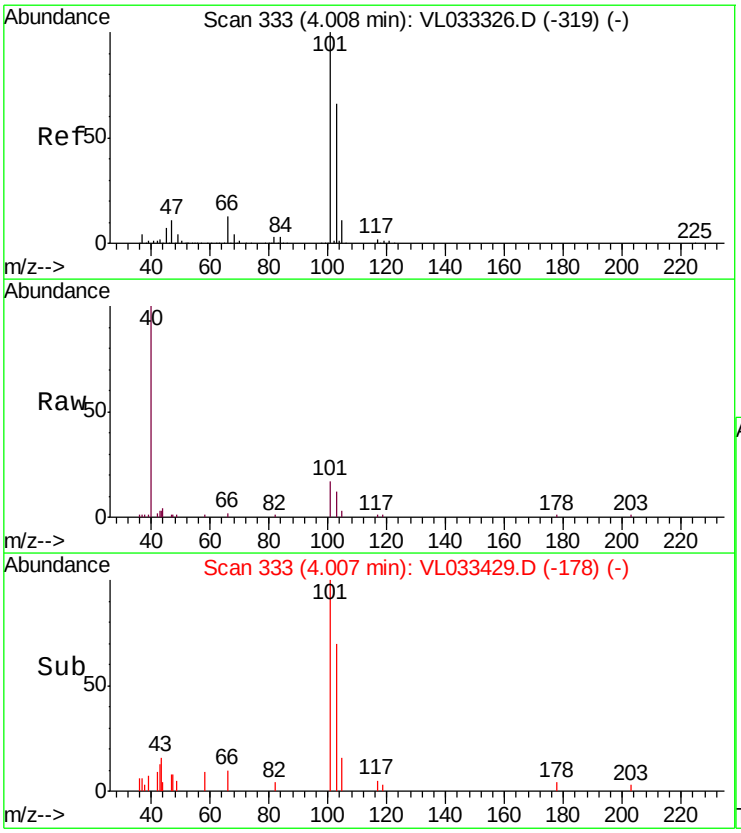
#9
Propene
Concen: 0.280 ppbv
RT: 3.04 min Scan# 32
Delta R.T. -0.00 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 41 Resp: 10225

Ion	Ratio	Lower	Upper
41	100		
42	65.6	55.2	82.8

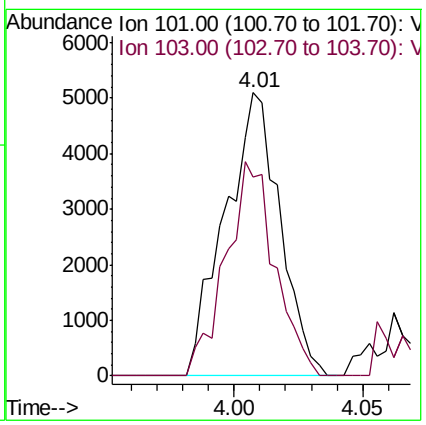


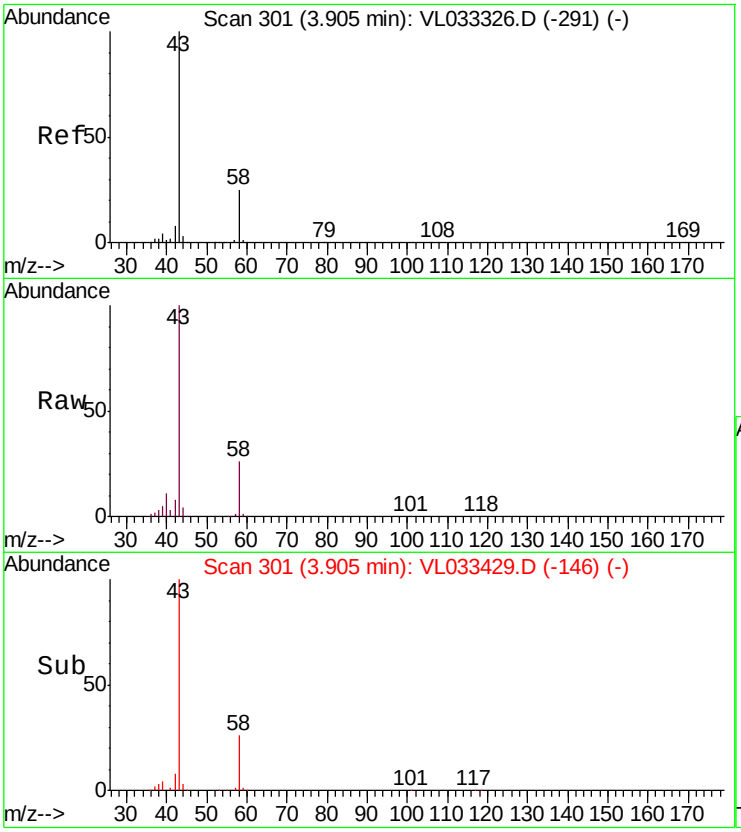


#11
Trichlorofluoromethane
Concen: 0.061 ppbv
RT: 4.01 min Scan# 333
Delta R.T. -0.00 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Tgt Ion:101 Resp: 7578

Ion	Ratio	Lower	Upper
101	100		
103	70.1	52.9	79.3



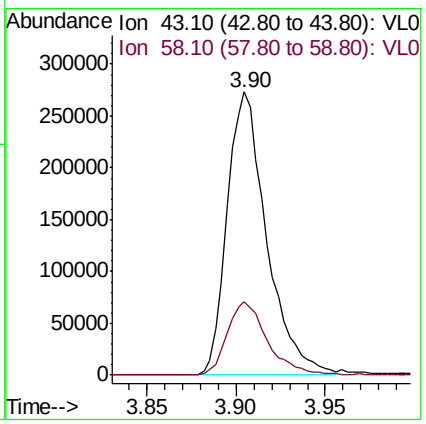


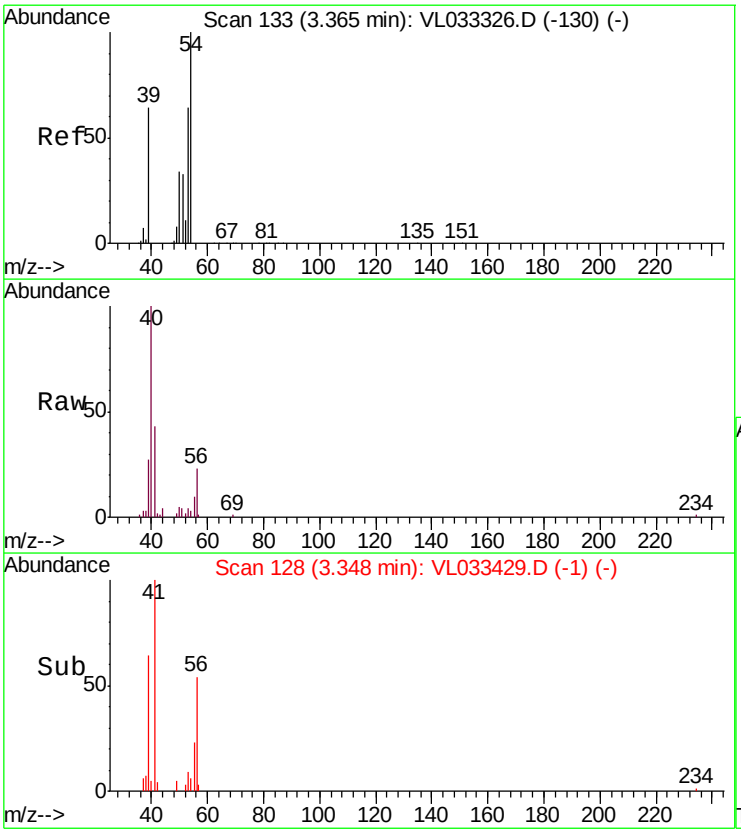
#15
Acetone
Concen: 3.803 ppbv
RT: 3.90 min Scan# 301
Delta R.T. -0.00 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 43 Resp: 421320

Ion	Ratio	Lower	Upper
43	100		
58	26.7	20.4	30.6

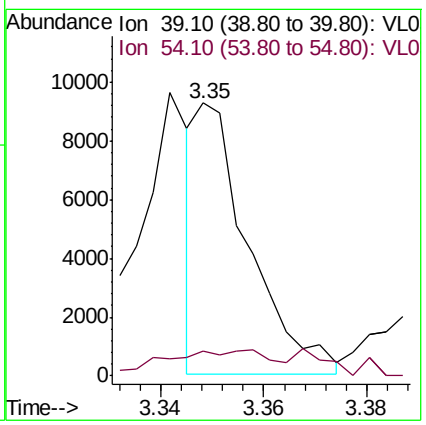


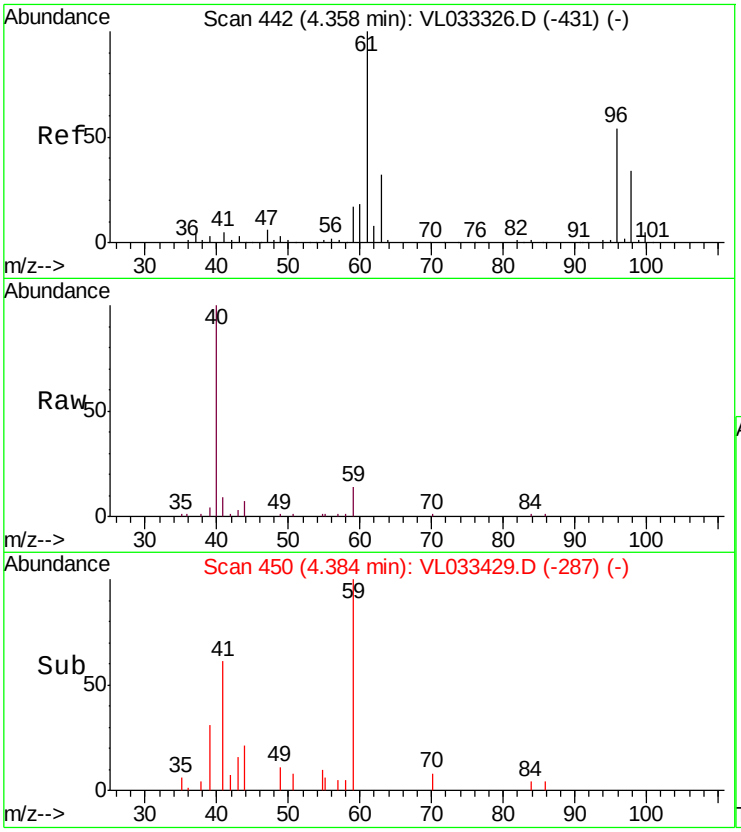


#16
1,3-Butadiene
Concen: 0.181 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.02 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Tgt Ion: 39 Resp: 6524

Ion	Ratio	Lower	Upper
39	100		
54	29.4	76.8	115.2#



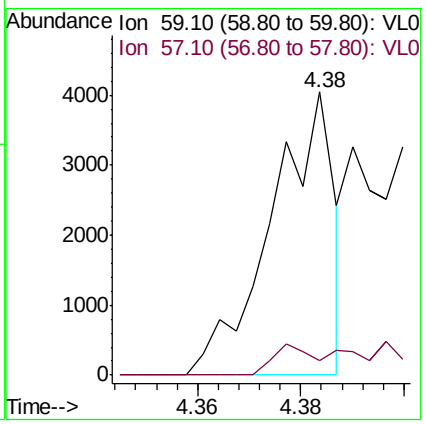


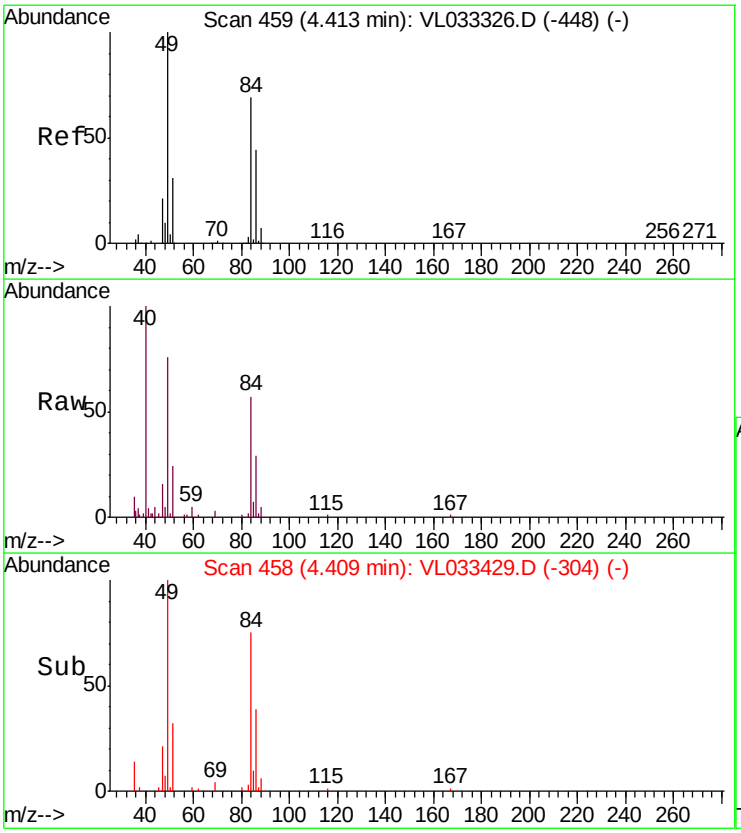
#17
tert-Butyl alcohol
Concen: 0.218 ppbv
RT: 4.38 min Scan# 450
Delta R.T. 0.03 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 59 Resp: 3401

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.7	11.5#

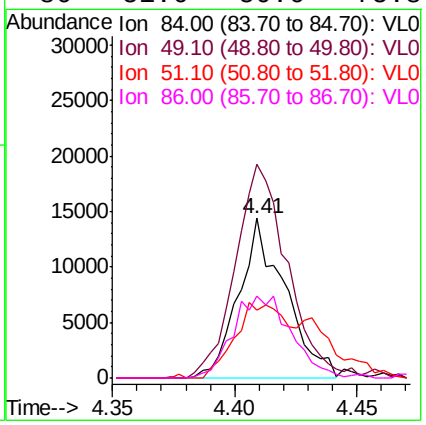


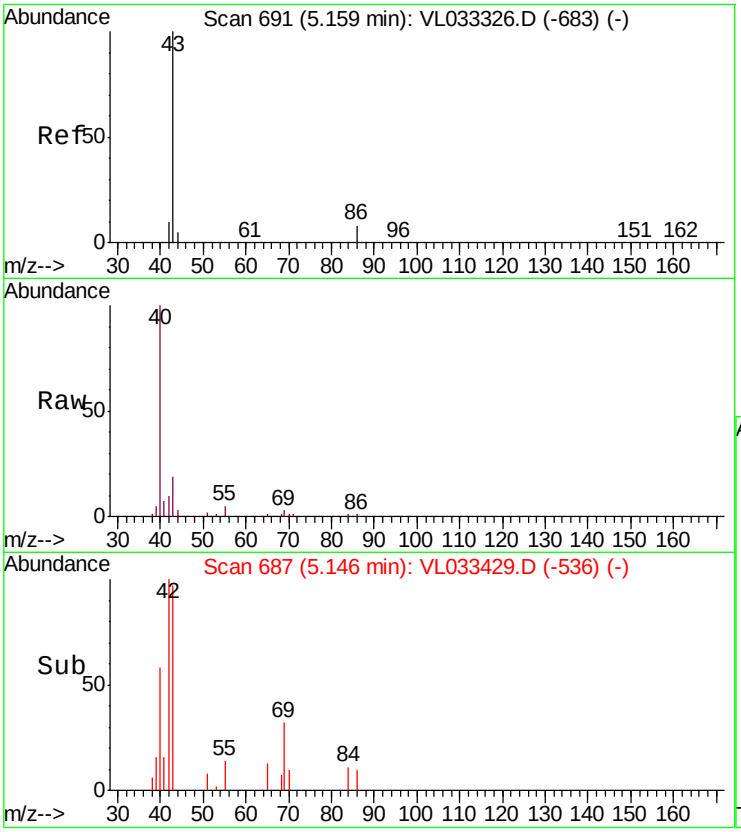


#20
Methylene Chloride
Concen: 0.524 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Tgt Ion: 84 Resp: 18932

Ion	Ratio	Lower	Upper
84	100		
49	133.7	115.4	173.0
51	42.1	35.8	53.6
86	51.6	50.6	75.8



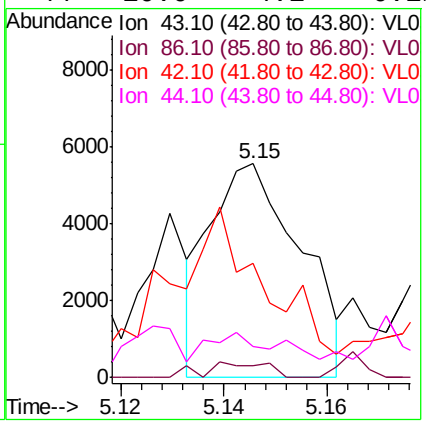


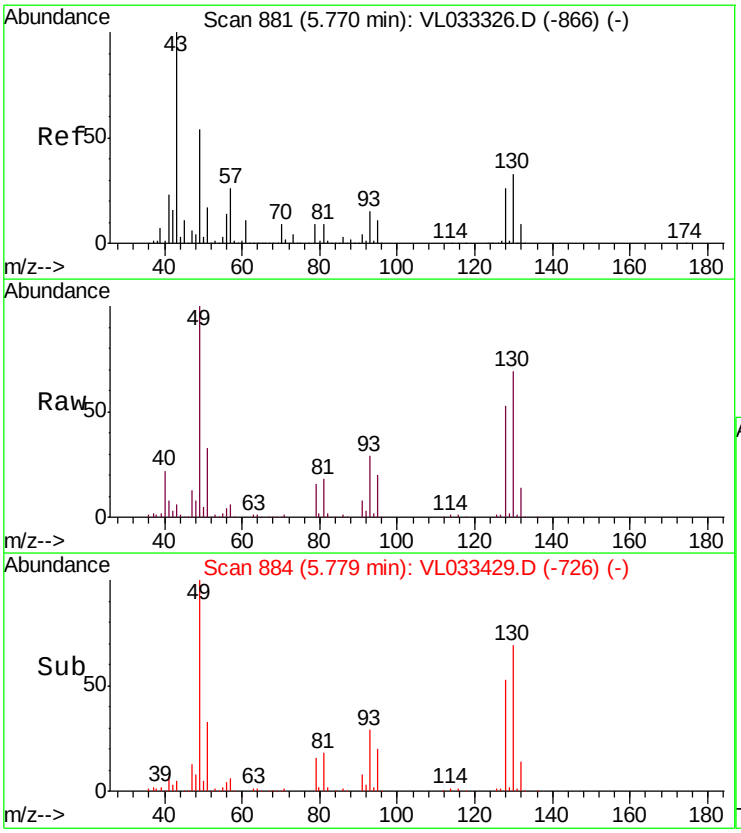
#23
Vinyl Acetate
Concen: 0.053 ppbv
RT: 5.15 min Scan# 687
Delta R.T. -0.01 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Instrument : MSVOA_L
ClientSampleId : SV2DL

Tgt Ion: 43 Resp: 6781

Ion	Ratio	Lower	Upper
43	100		
86	0.4	6.2	9.2#
42	58.4	8.1	12.1#
44	10.0	4.1	6.1#

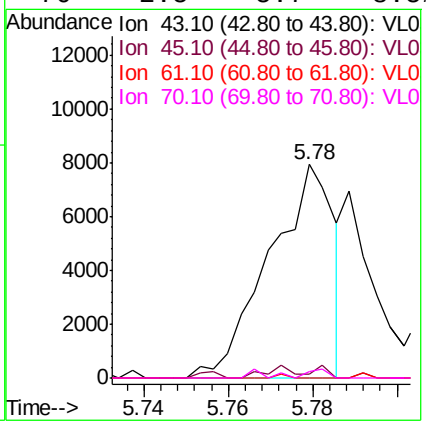


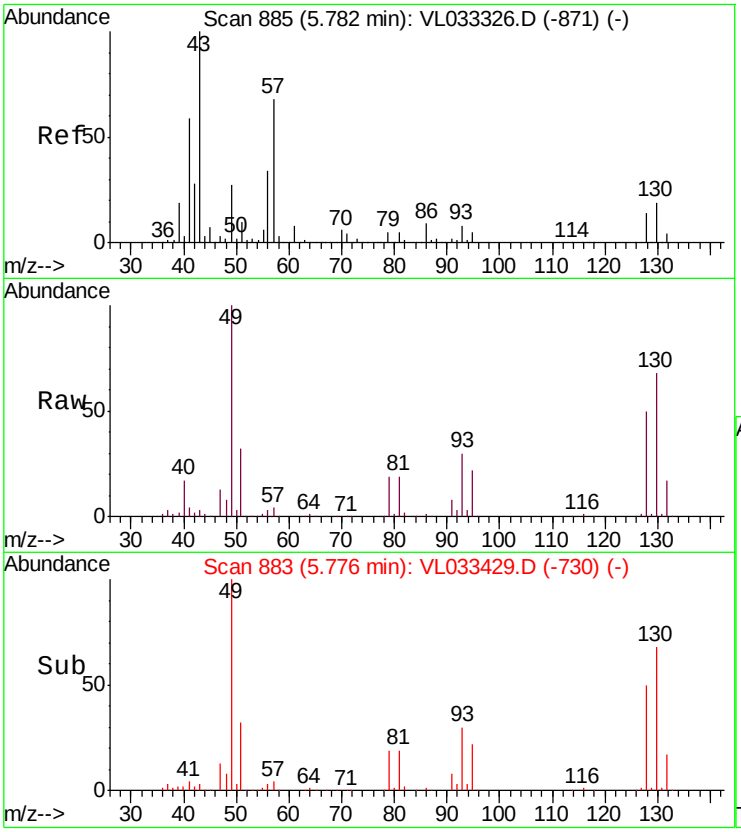


#25
Ethyl Acetate
Concen: 0.052 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.01 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Tgt Ion: 43 Resp: 8439

Ion	Ratio	Lower	Upper
43	100		
45	5.2	7.9	11.9#
61	0.0	7.4	11.2#
70	2.5	5.7	8.5#



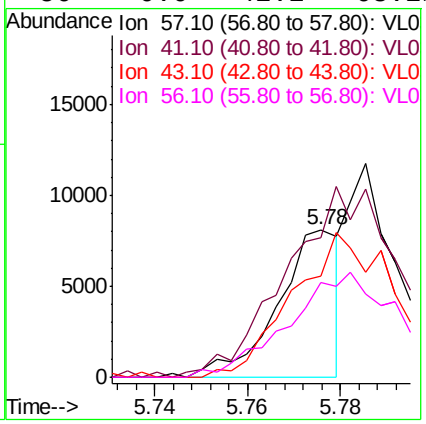


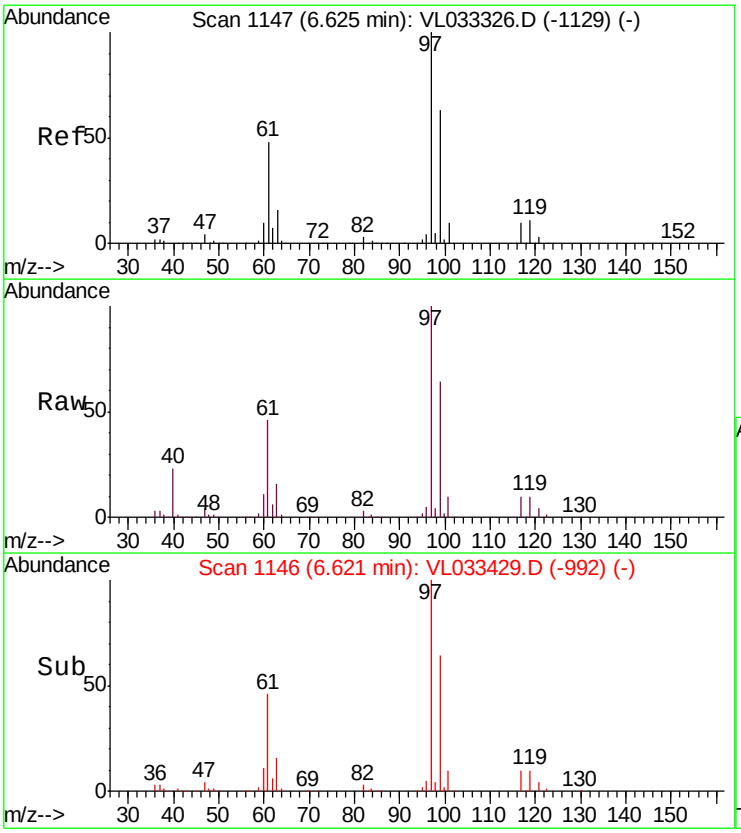
#26
Hexane
Concen: 0.103 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.01 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Instrument : MSVOA_L
ClientSampleId : SV2DL

Tgt Ion: 57 Resp: 7442

Ion	Ratio	Lower	Upper
57	100		
41	0.0	70.5	105.7#
43	0.0	181.8	272.8#
56	0.0	42.2	63.2#

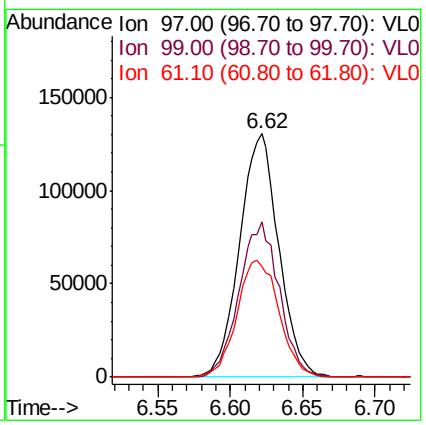


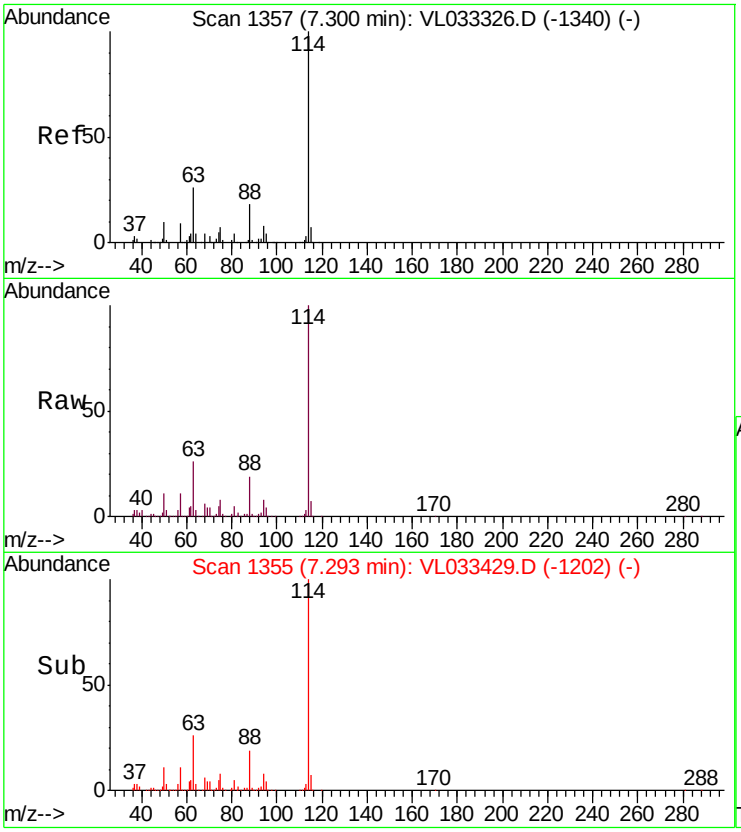


#32
1,1,1-Trichloroethane
Concen: 2.121 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Tgt Ion: 97 Resp: 245474

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.0	76.6
61	51.4	39.3	58.9



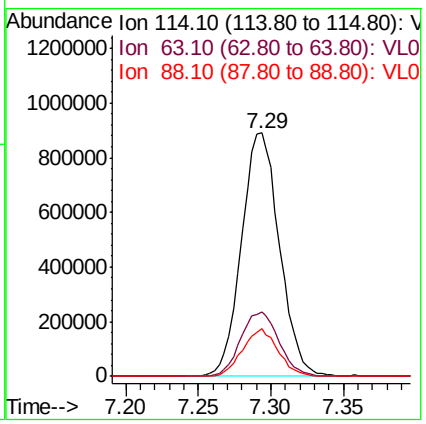


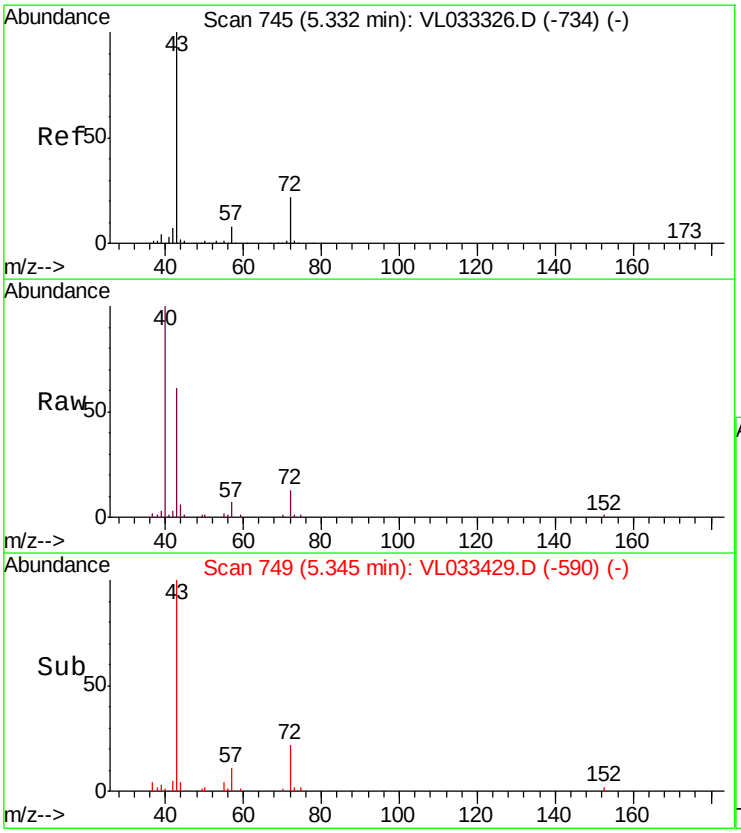
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion:114 Resp: 1622104

Ion	Ratio	Lower	Upper
114	100		
63	26.9	21.4	32.2
88	18.3	14.5	21.7

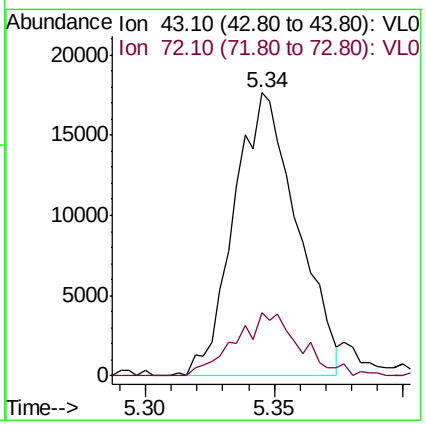


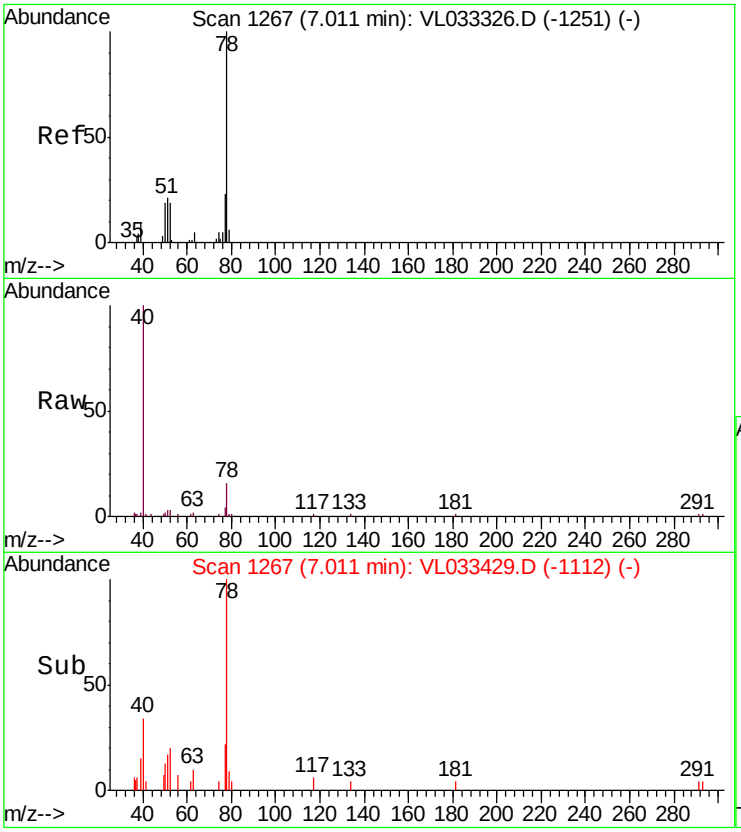


#34
2-Butanone
Concen: 0.283 ppbv
RT: 5.34 min Scan# 749
Delta R.T. 0.01 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Tgt Ion: 43 Resp: 30135

Ion	Ratio	Lower	Upper
43	100		
72	22.9	17.7	26.5



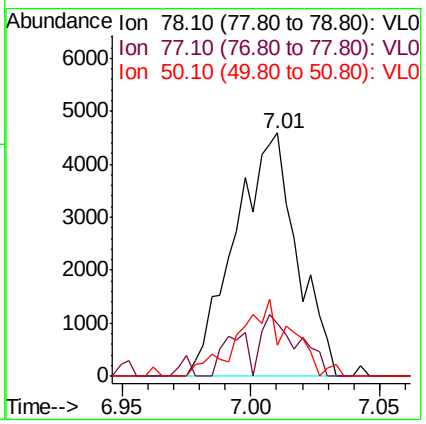


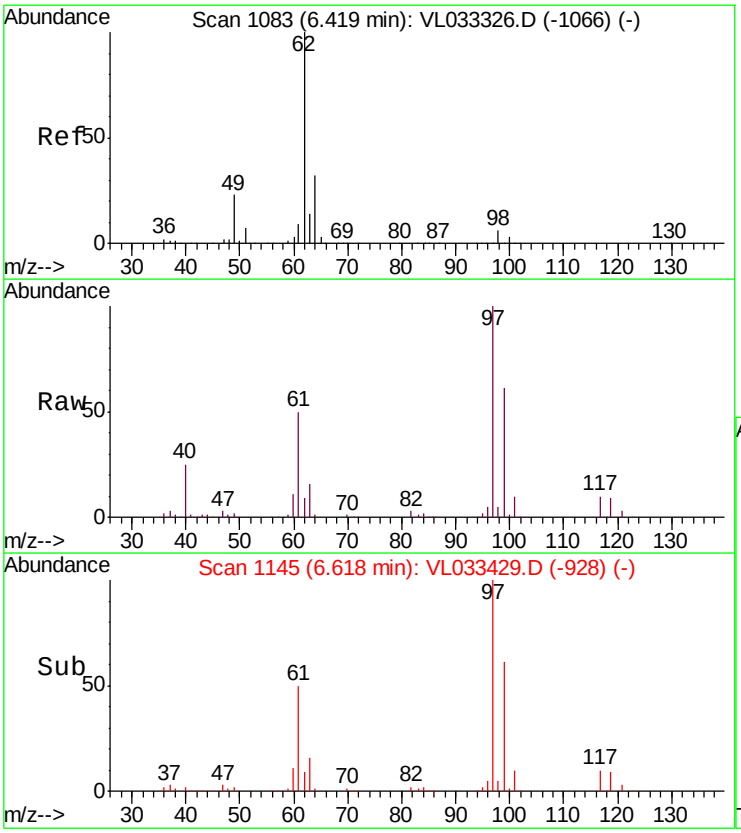
#36
Benzene
Concen: 0.053 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 78 Resp: 7695

Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.1	27.1
50	12.8	15.2	22.8#

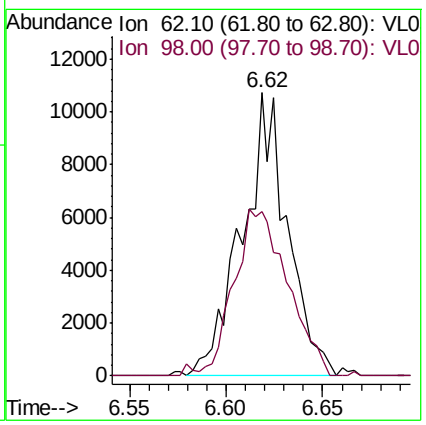


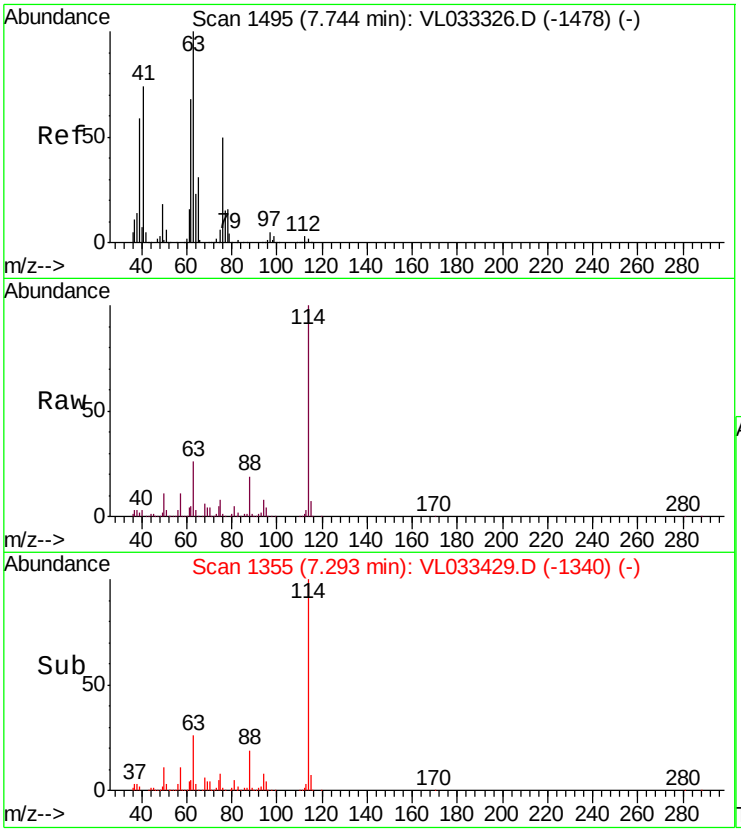


#37
1,2-Dichloroethane
Concen: 0.190 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. 0.20 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Tgt Ion: 62 Resp: 17454

Ion	Ratio	Lower	Upper
62	100		
98	70.8	4.5	6.7#



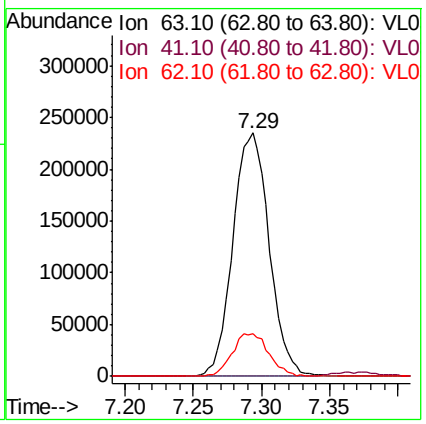


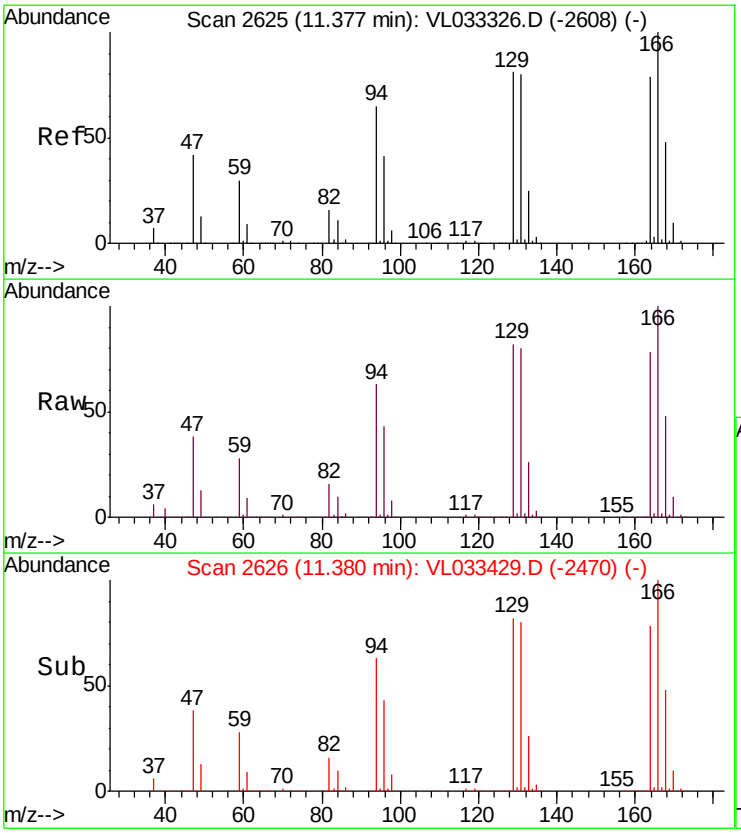
#39
1,2-Dichloropropane
Concen: 8.012 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.45 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Instrument : MSVOA_L
ClientSampleId : SV2DL

Tgt Ion: 63 Resp: 435551

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.5	89.3#
62	17.6	54.7	82.1#

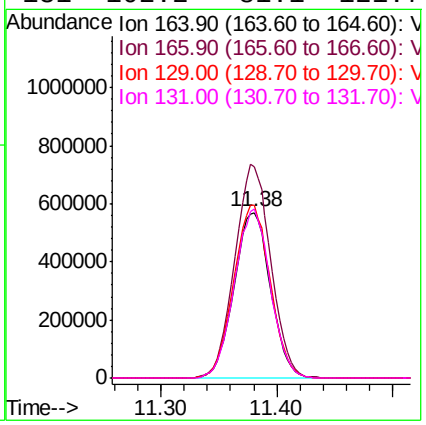


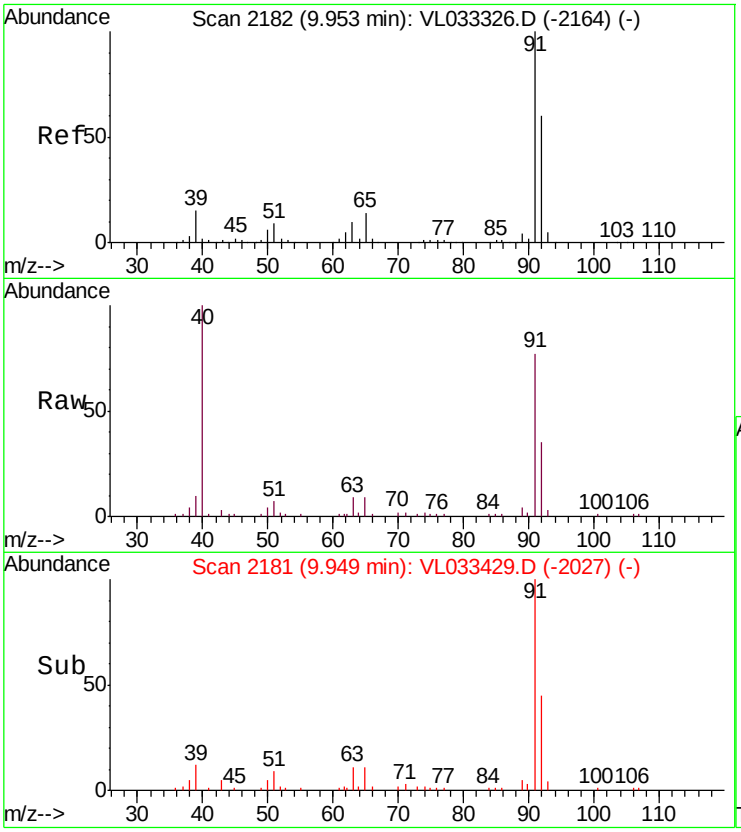


#52
Tetrachloroethene
Concen: 20.476 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. 0.00 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Tgt Ion:164 Resp: 1238345

Ion	Ratio	Lower	Upper
164	100		
166	127.9	101.5	152.3
129	104.7	82.2	123.2
131	102.2	81.1	121.7



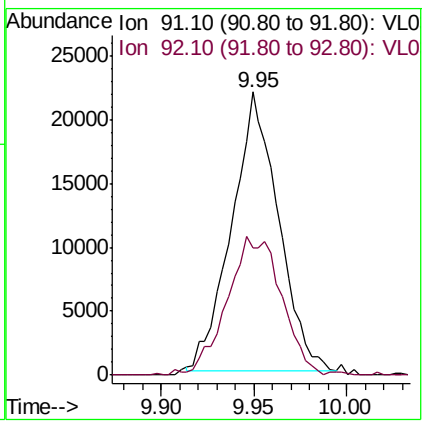


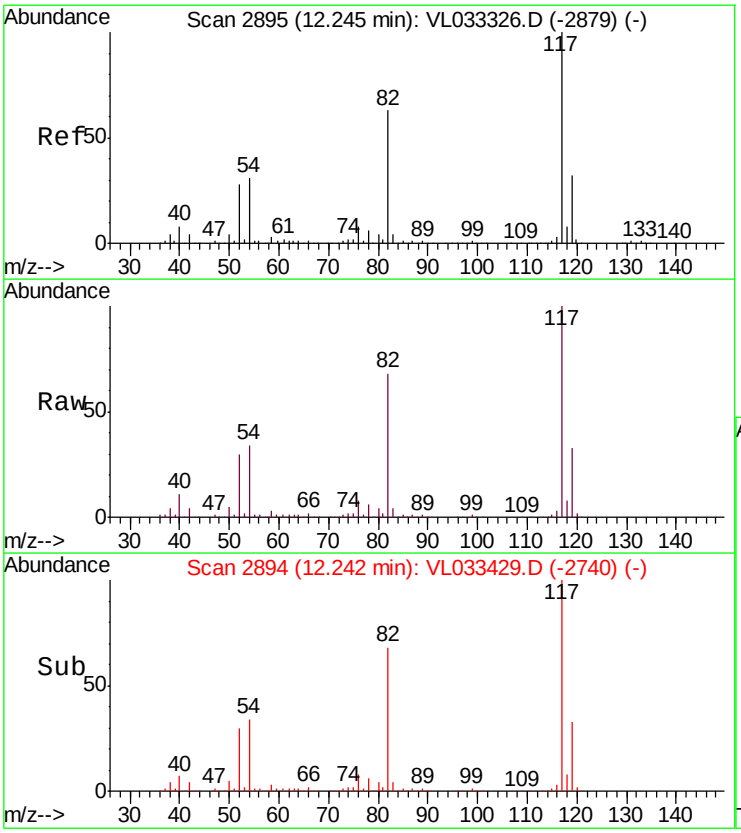
#53
Toluene
Concen: 0.232 ppbv
RT: 9.95 min Scan# 2181
Delta R.T. -0.00 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Instrument : MSVOA_L
ClientSampleId : SV2DL

Tgt Ion: 91 Resp: 38252

Ion	Ratio	Lower	Upper
91	100		
92	58.0	47.4	71.0

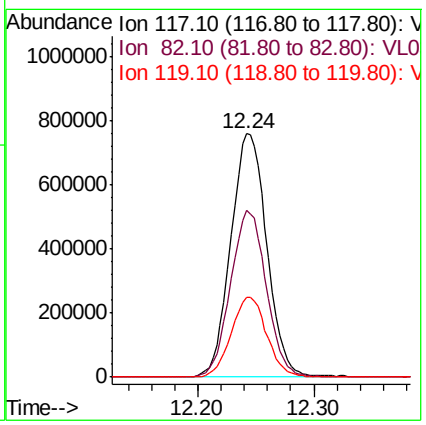


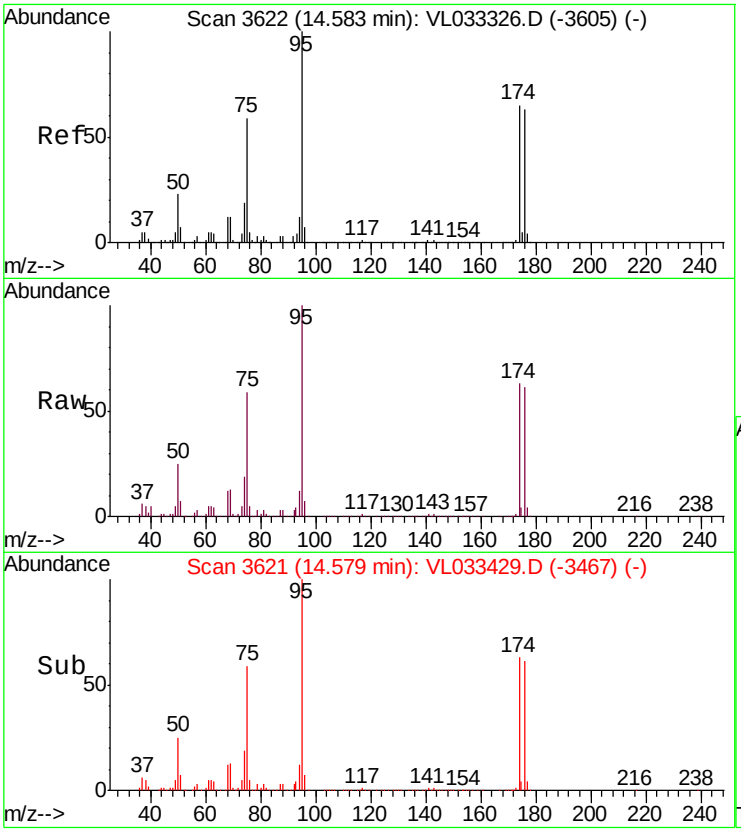


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Tgt Ion:117 Resp: 1634414

Ion	Ratio	Lower	Upper
117	100		
82	68.2	53.4	80.2
119	32.6	27.3	40.9





#68
1-Bromo-4-Fluorobenzene
Concen: 10.762 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 95 Resp: 1303346

Ion	Ratio	Lower	Upper
95	100		
174	64.5	51.5	77.3
175	4.8	3.8	5.6