Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
Data File : VL034429.D
Acq On : 2 Dec 2019 16:54
Operator : SY/AP
Sample : K6068-02DL2 80X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-2DL2

Quant Time: Dec 03 02:50:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.69	49	888519	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.21	114	1786207	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.15	117	1725595	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.48	95	1438339	9.91	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	217617	1.354	ppbv		93
8) Dichlorotetrafluoroethane	3.03	85	217617	1.508	ppbv	#	19
9) Propene	2.99	41	7590	0.154	ppbv	#	61
13) Ethanol	3.61	45	6971	0.508	ppbv	#	40
15) Acetone	3.86	43	88010	0.692	ppbv		97
17) tert-Butyl alcohol	4.31	59	3359	0.031	ppbv	#	71
19) Isopropyl Alcohol	3.98	45	33509	0.411	ppbv	#	96
20) Methylene Chloride	4.35	84	6377	0.141	ppbv	#	74
22) trans-1,2-Dichloroethene	4.90	96	2343	0.050	ppbv		93
24) 1,1-Dichloroethane	5.03	63	9514	0.075	ppbv	#	93
29) Chloroform	5.77	83	38426	0.243	ppbv		88
31) cis-1,2-Dichloroethene	5.57	61	244844	2.429	ppbv		93
32) 1,1,1-Trichloroethane	6.54	97	181469	1.225	ppbv		97
38) Trichloroethene	7.88	130	4414332	60.243	ppbv		96
39) 1,2-Dichloropropane	7.88	63	14441	0.210	ppbv	#	1
42) Bromodichloromethane	7.88	83	40562	0.244	ppbv		95
52) Tetrachloroethene	11.28	164	271141	3.510	ppbv		93

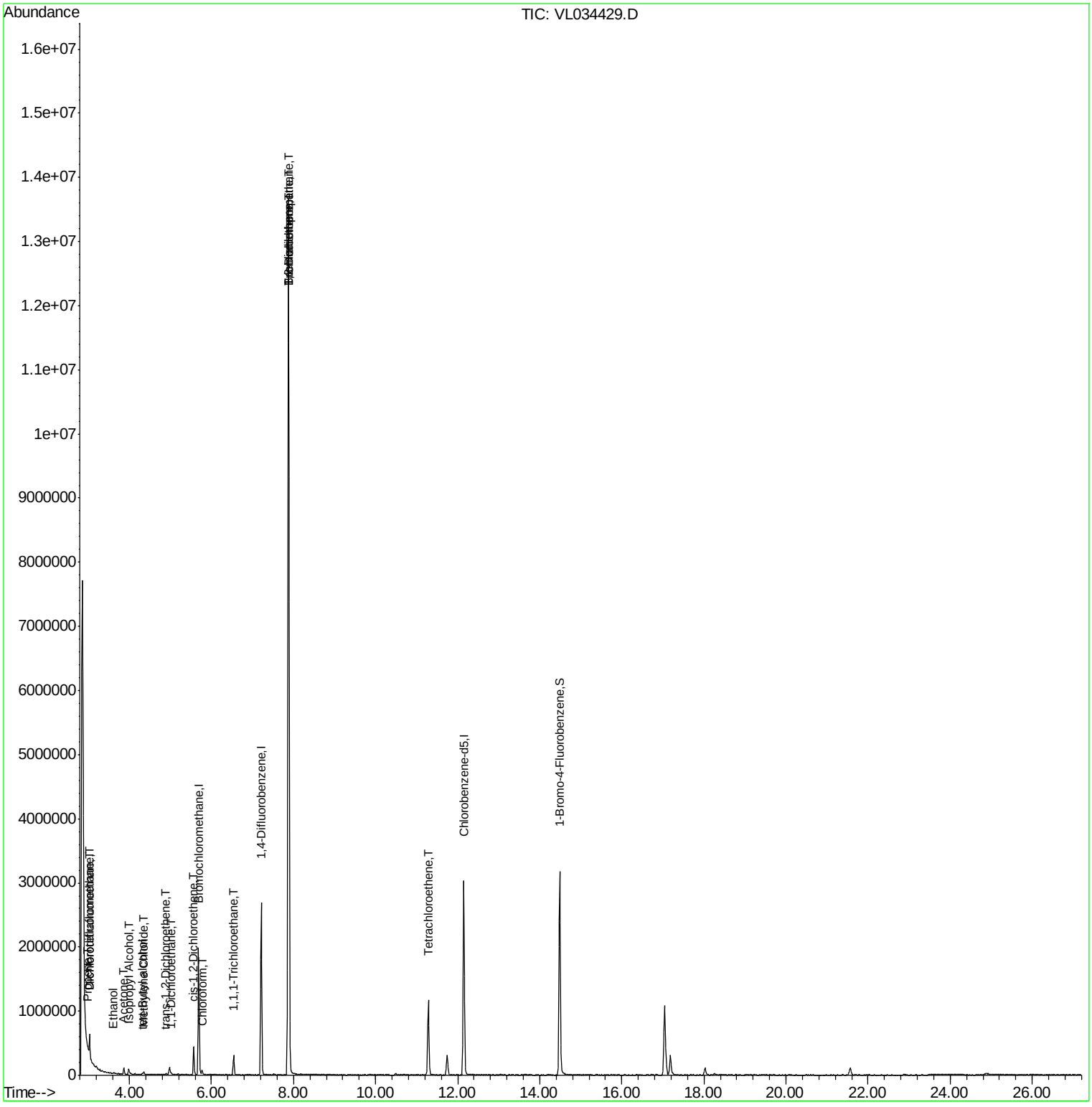
(#) = qualifier out of range (m) = manual integration (+) = signals summed

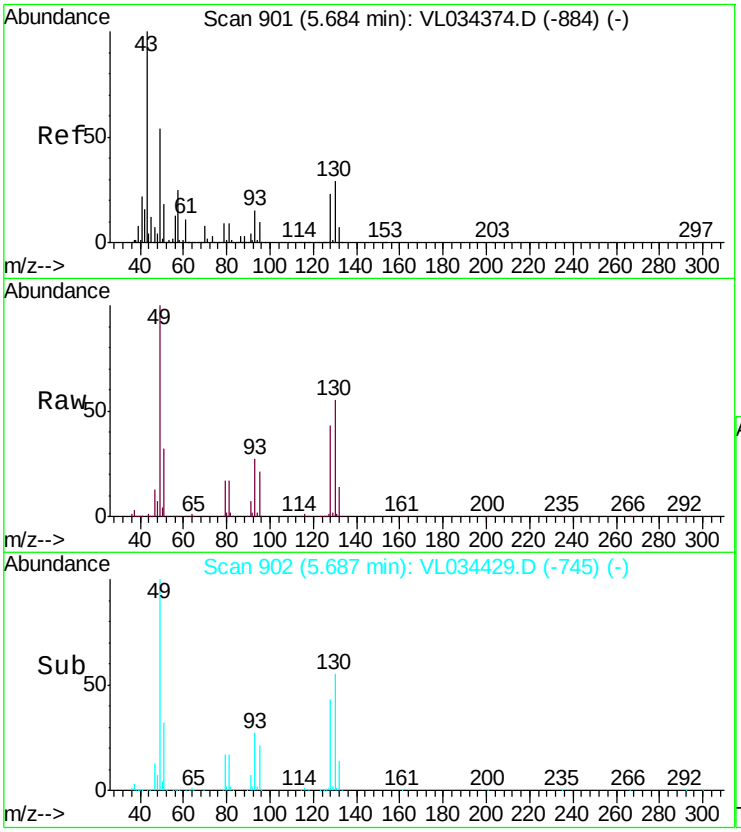
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
Data File : VL034429.D
Acq On : 2 Dec 2019 16:54
Operator : SY/AP
Sample : K6068-02DL2 80X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL2

Quant Time: Dec 03 02:50:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration



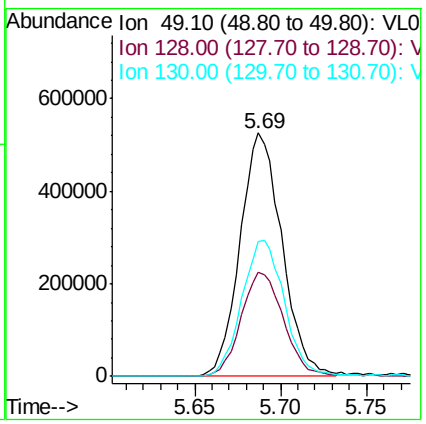


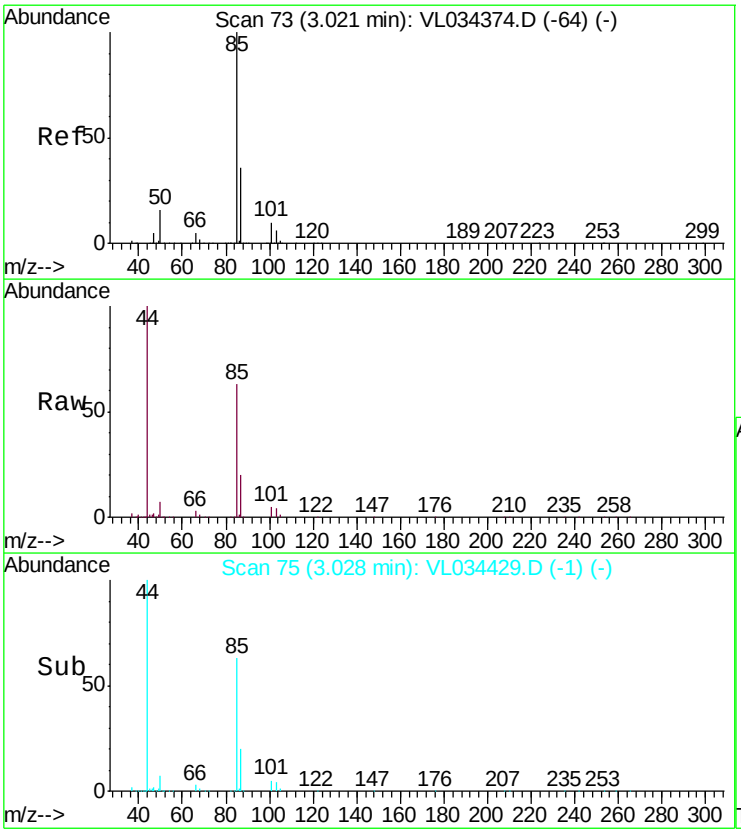
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL034429.D
Acq: 2 Dec 2019 16:54

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL2

Tgt Ion: 49 Resp: 888519

Ion	Ratio	Lower	Upper
49	100		
128	43.7	21.8	65.3
130	57.1	28.0	84.0

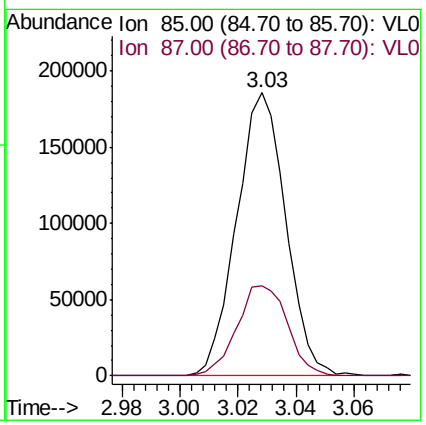


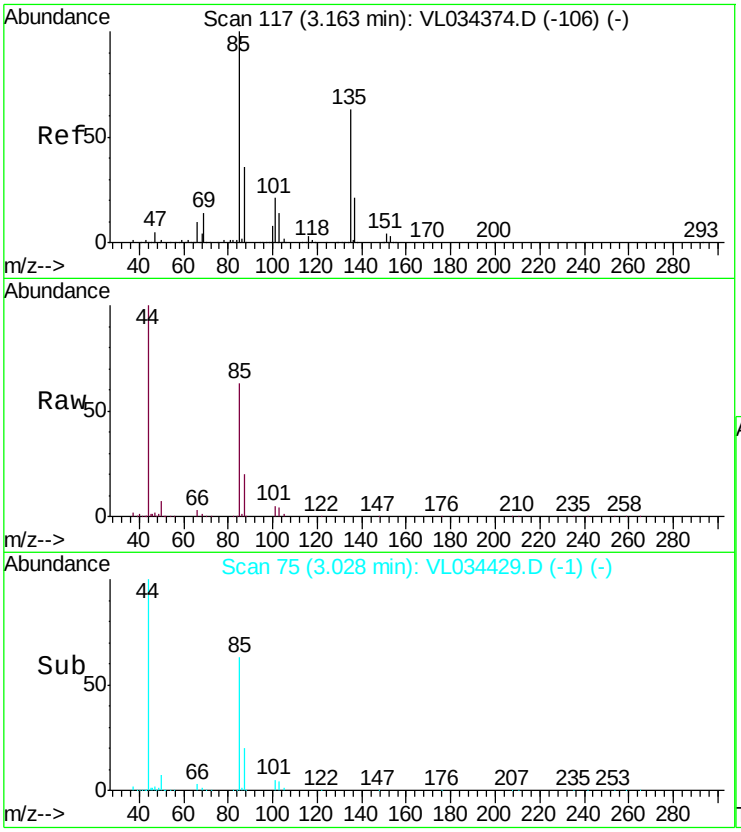


#2
Dichlorodifluoromethane
Concen: 1.354 ppbv
RT: 3.03 min Scan# 75
Delta R.T. 0.01 min
Lab File: VL034429.D
Acq: 2 Dec 2019 16:54

Tgt Ion: 85 Resp: 217617

Ion	Ratio	Lower	Upper
85	100		
87	31.3	28.5	42.7



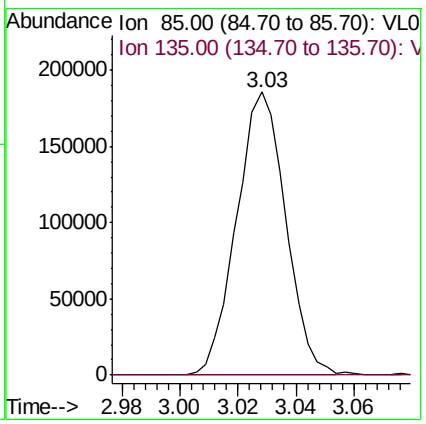


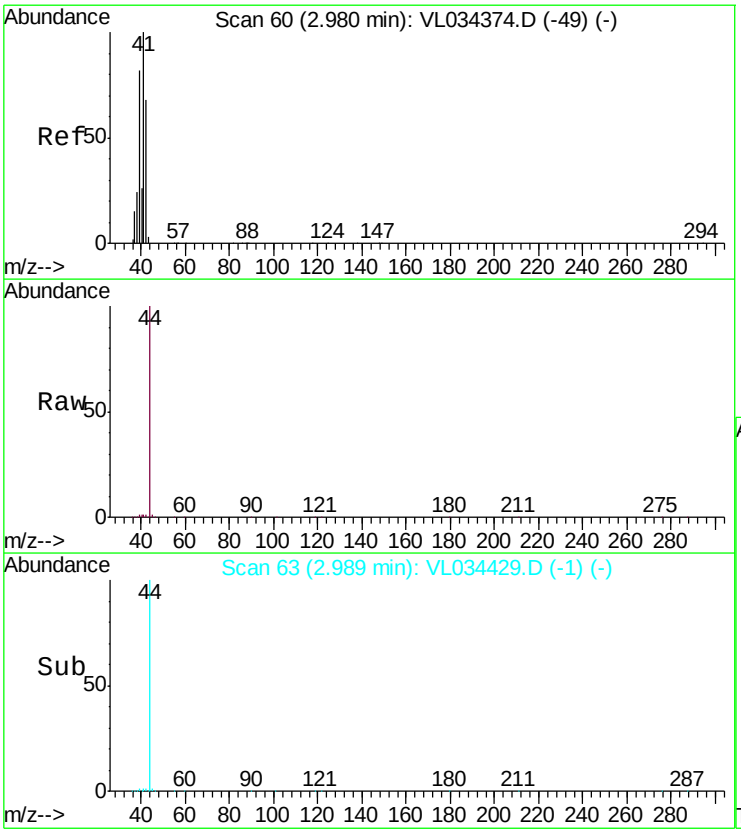
#8
Dichlorotetrafluoroethane
Concen: 1.508 ppbv
RT: 3.03 min Scan# 75
Delta R.T. -0.13 min
Lab File: VL034429.D
Acq: 2 Dec 2019 16:54

Instrument : MSVOA_L
ClientSampleId : SV-2DL2

Tgt Ion: 85 Resp: 217617

Ion	Ratio	Lower	Upper
85	100		
135	0.2	51.1	76.7#

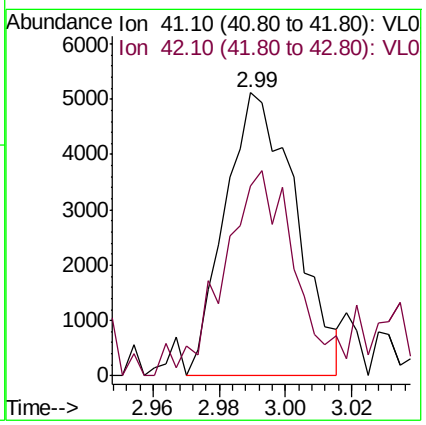


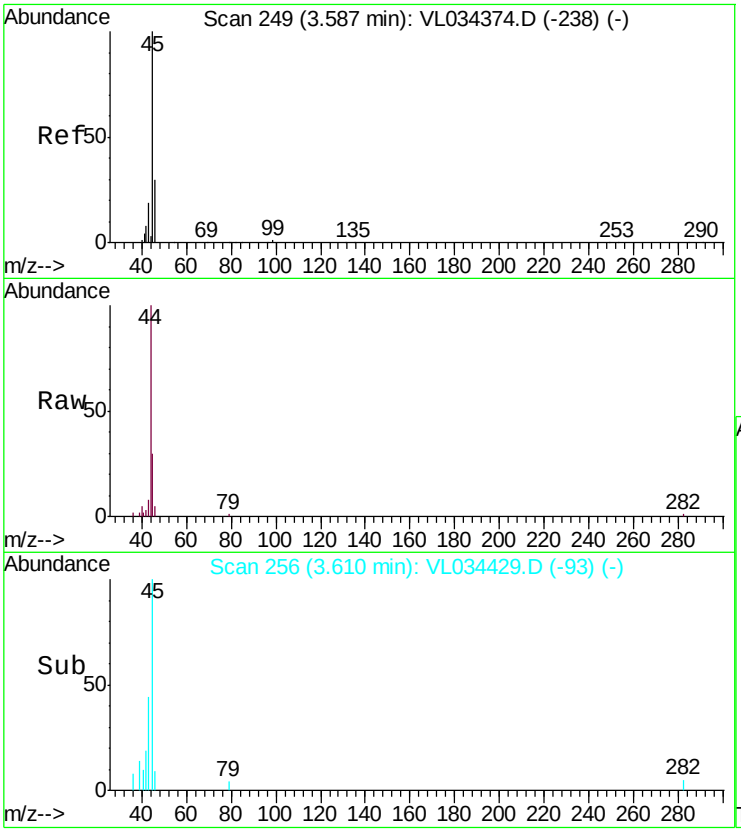


#9
Propene
Concen: 0.154 ppbv
RT: 2.99 min Scan# 63
Delta R.T. 0.01 min
Lab File: VL034429.D
Acq: 2 Dec 2019 16:54

Tgt Ion: 41 Resp: 7590

Ion	Ratio	Lower	Upper
41	100		
42	100.0	54.6	82.0#



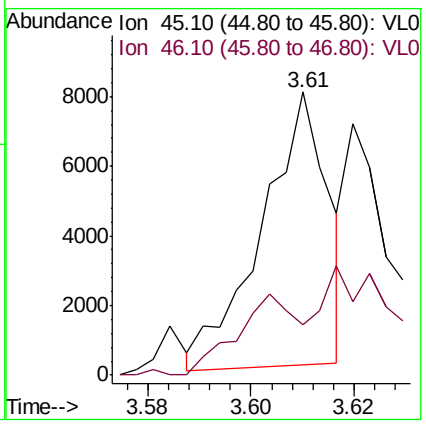


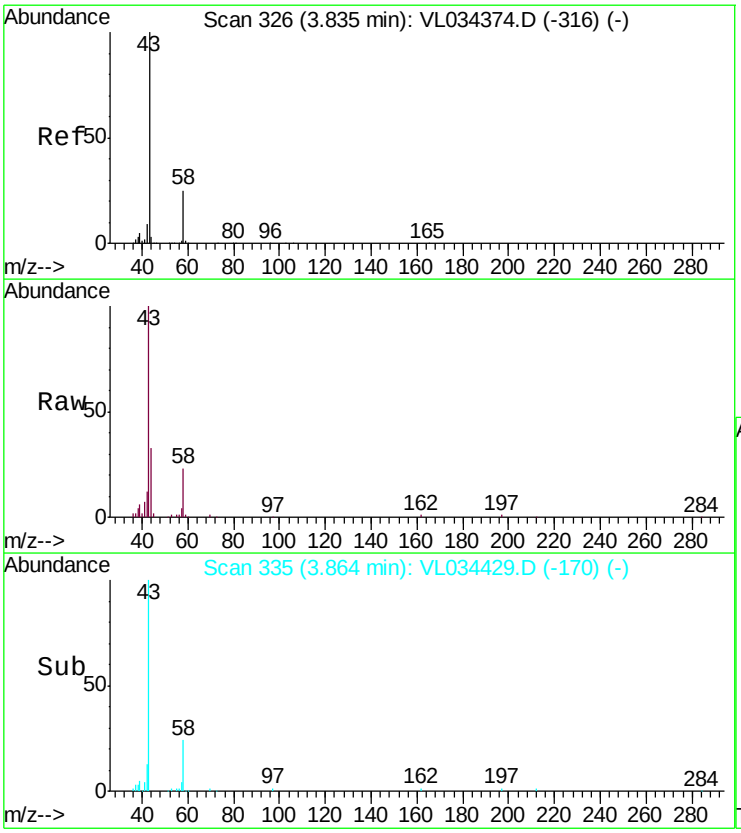
#13
Ethanol
Concen: 0.508 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.02 min
Lab File: VL034429.D
Acq: 2 Dec 2019 16:54

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL2

Tgt Ion: 45 Resp: 6971

Ion	Ratio	Lower	Upper
45	100		
46	0.0	13.8	55.4#

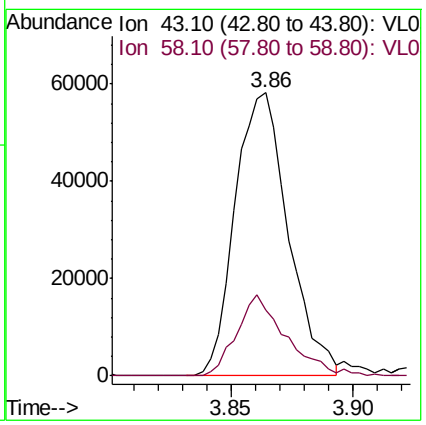


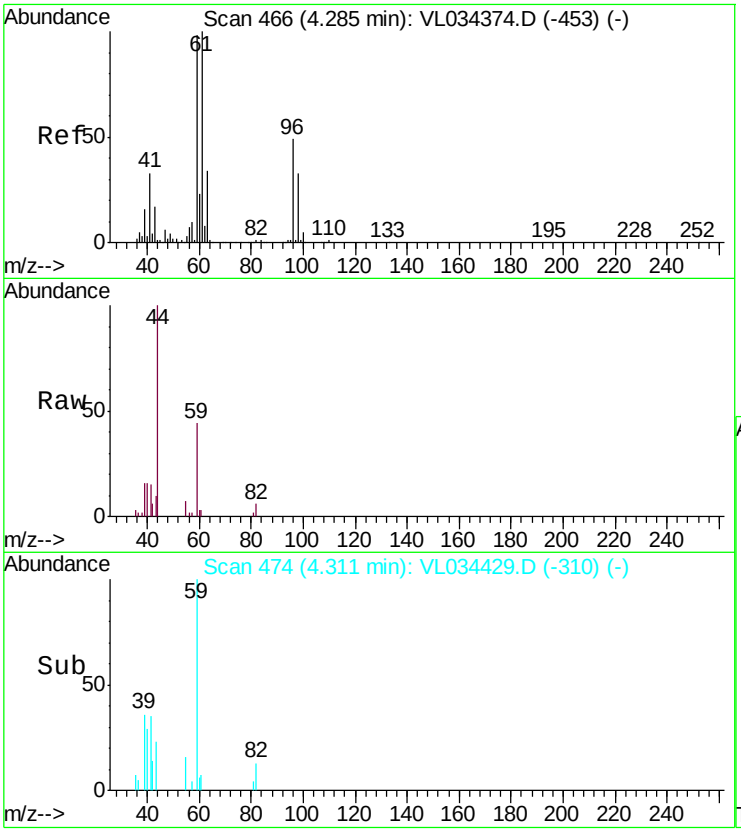


#15
Acetone
Concen: 0.692 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.03 min
Lab File: VL034429.D
Acq: 2 Dec 2019 16:54

Tgt Ion: 43 Resp: 88010

Ion	Ratio	Lower	Upper
43	100		
58	26.6	20.2	30.4



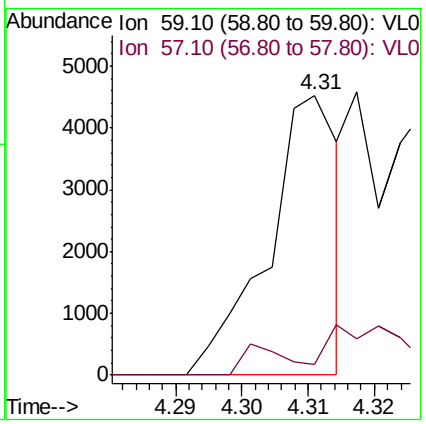


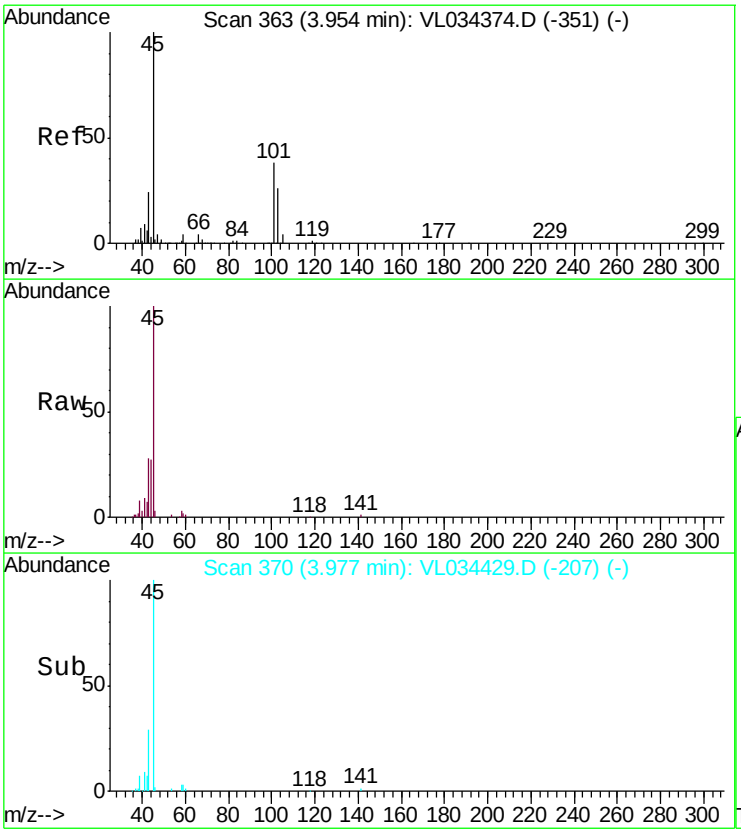
#17
tert-Butyl alcohol
Concen: 0.031 ppbv
RT: 4.31 min Scan# 474
Delta R.T. 0.03 min
Lab File: VL034429.D
Acq: 2 Dec 2019 16:54

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL2

Tgt Ion: 59 Resp: 3359

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.8	13.2#

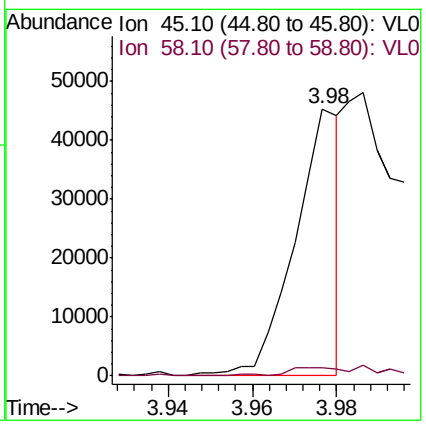


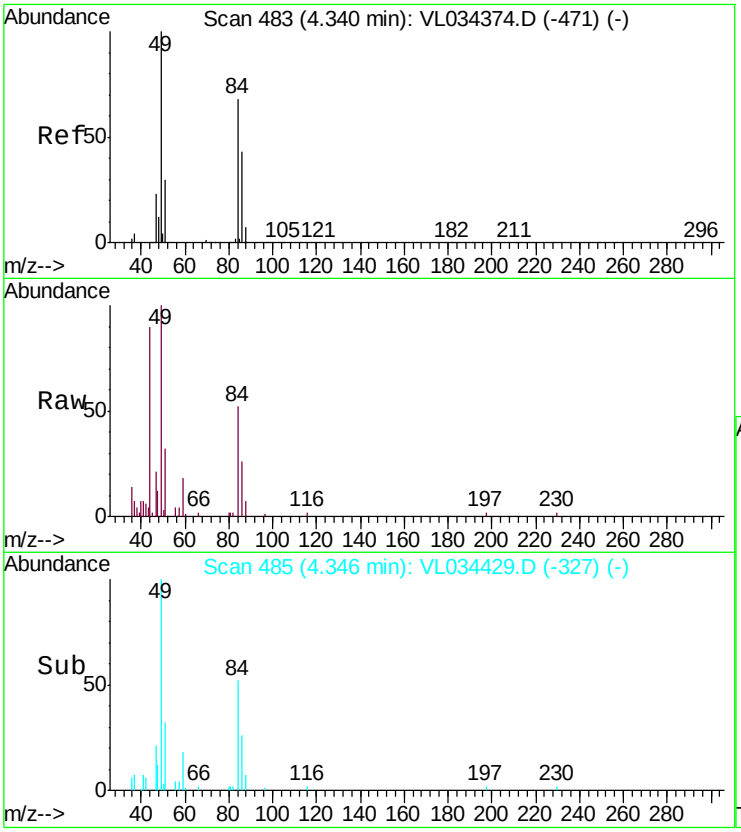


#19
Isopropyl Alcohol
Concen: 0.411 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.02 min
Lab File: VL034429.D
Acq: 2 Dec 2019 16:54

Tgt Ion: 45 Resp: 33509

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.3	1.9#



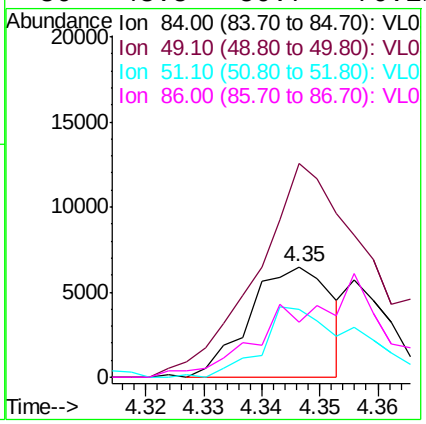


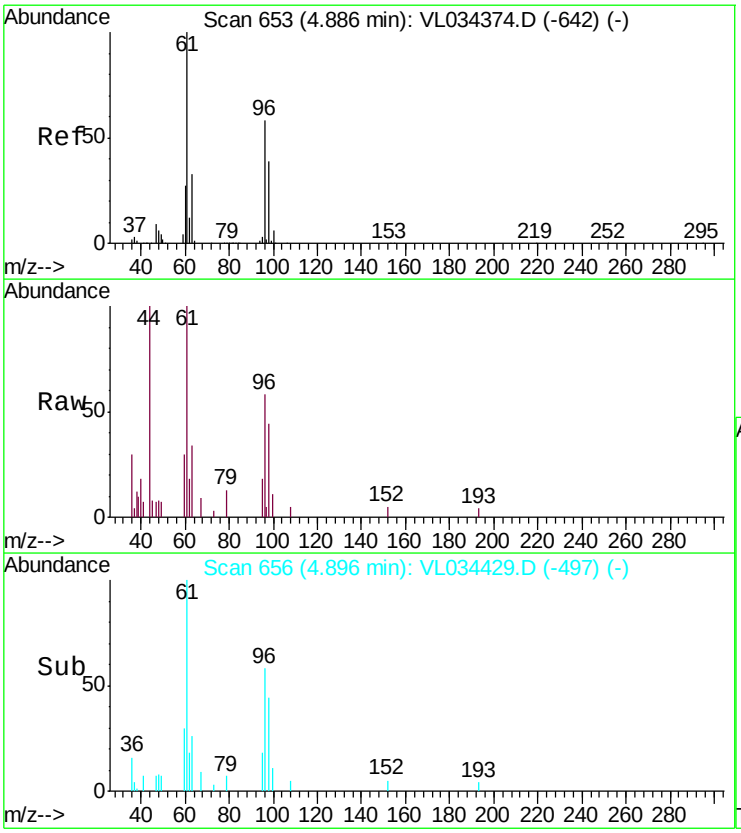
#20
Methylene Chloride
Concen: 0.141 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.01 min
Lab File: VL034429.D
Acq: 2 Dec 2019 16:54

Instrument : MSVOA_L
ClientSampleId : SV-2DL2

Tgt Ion: 84 Resp: 6377

Ion	Ratio	Lower	Upper
84	100		
49	179.3	116.8	175.2#
51	59.1	35.6	53.4#
86	43.5	50.7	76.1#

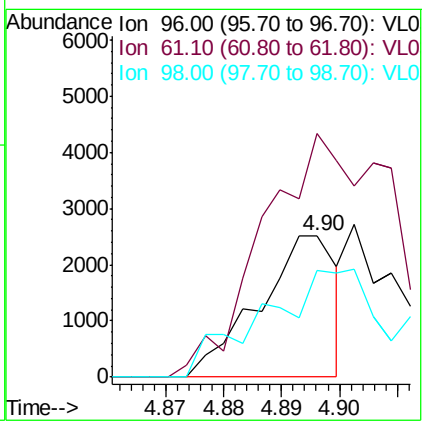


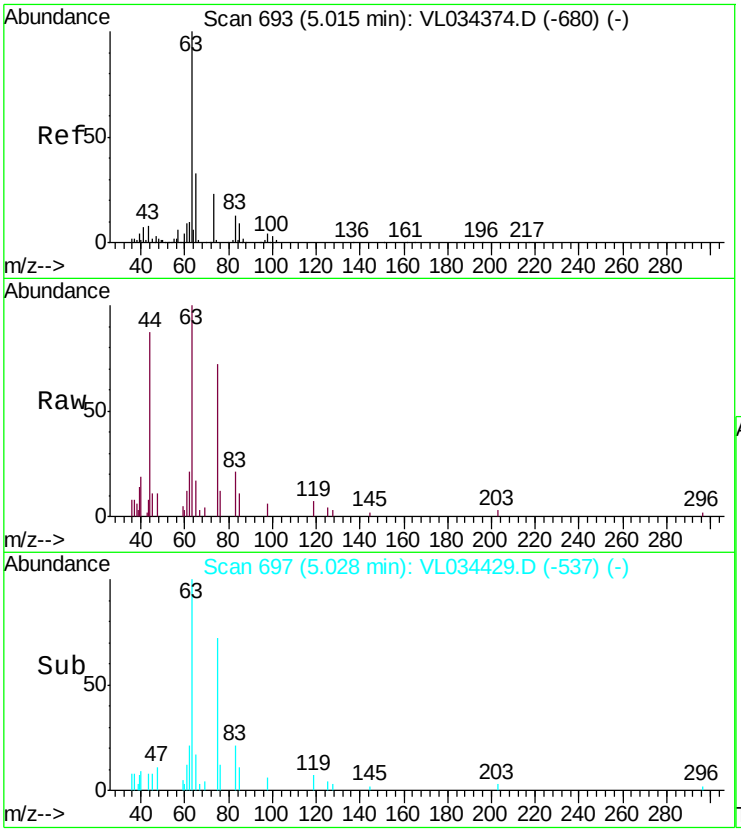


#22
trans-1,2-Dichloroethene
Concen: 0.050 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.01 min
Lab File: VL034429.D
Acq: 2 Dec 2019 16:54

Tgt Ion: 96 Resp: 2343

Ion	Ratio	Lower	Upper
96	100		
61	164.0	137.9	206.9
98	75.7	53.5	80.3



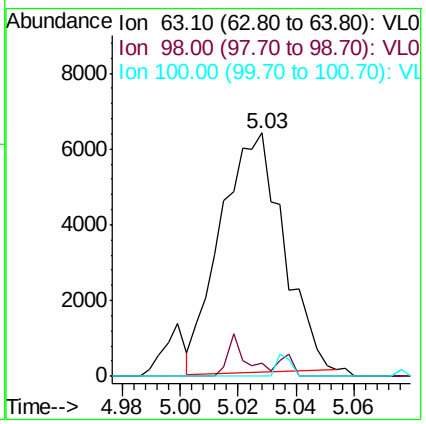


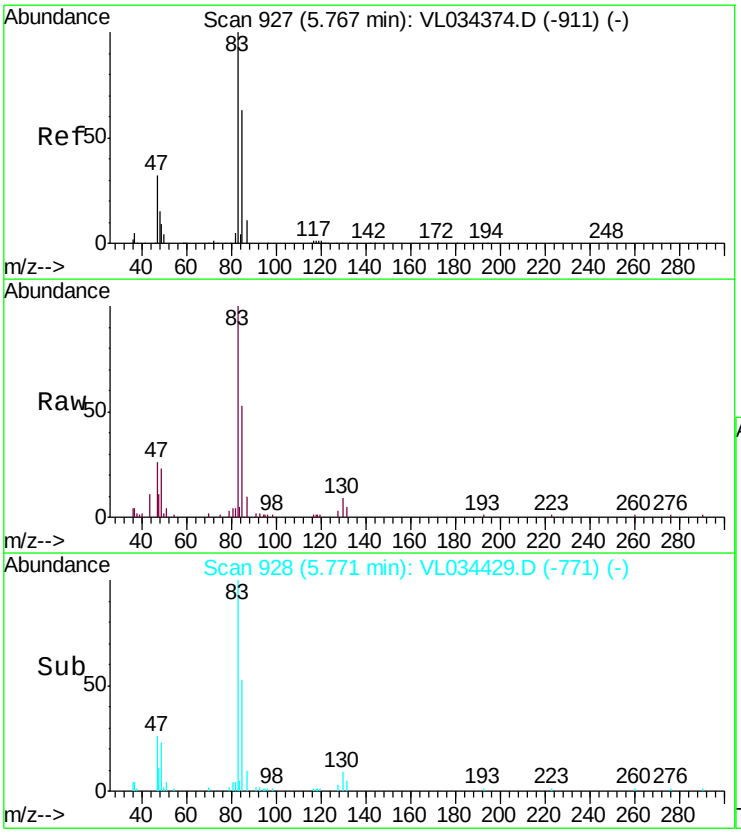
#24
1,1-Dichloroethane
Concen: 0.075 ppbv
RT: 5.03 min Scan# 697
Delta R.T. 0.01 min
Lab File: VL034429.D
Acq: 2 Dec 2019 16:54

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL2

Tgt Ion: 63 Resp: 9514

Ion	Ratio	Lower	Upper
63	100		
98	5.7	1.9	5.7#
100	0.0	1.4	4.0#

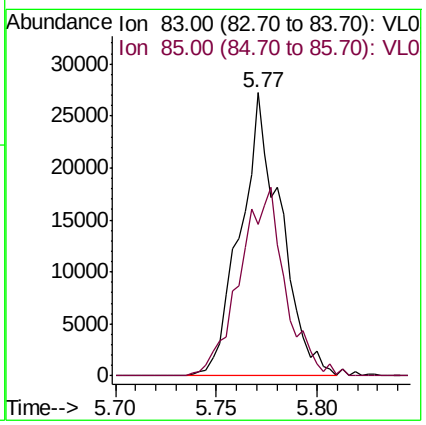


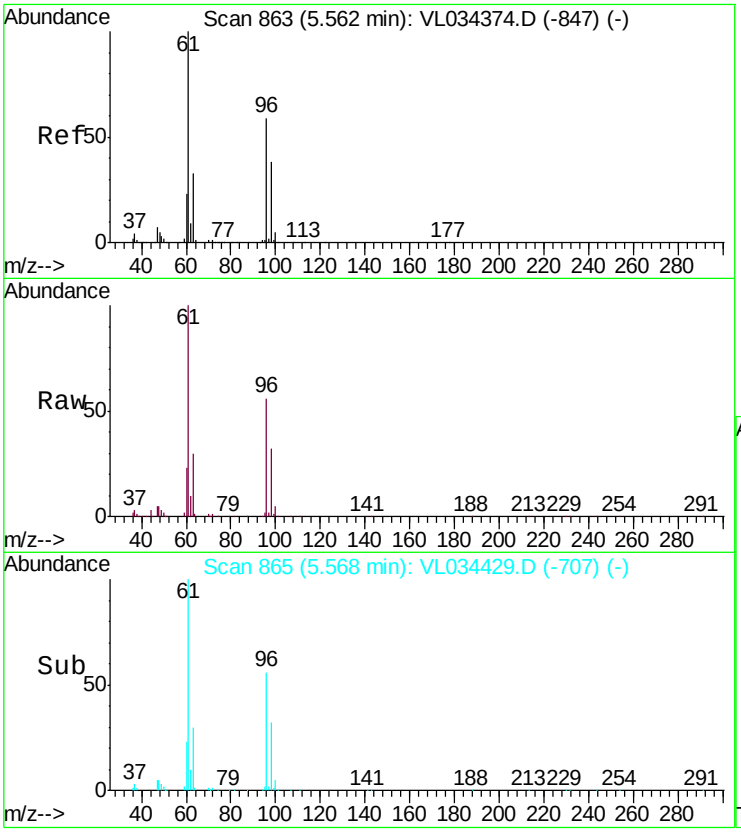


#29
Chloroform
Concen: 0.243 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.00 min
Lab File: VL034429.D
Acq: 2 Dec 2019 16:54

Tgt Ion: 83 Resp: 38426

Ion	Ratio	Lower	Upper
83	100		
85	53.3	50.4	75.6



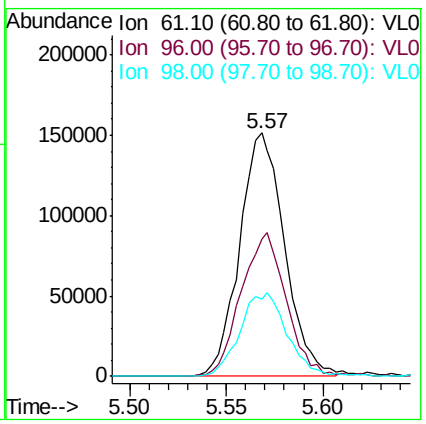


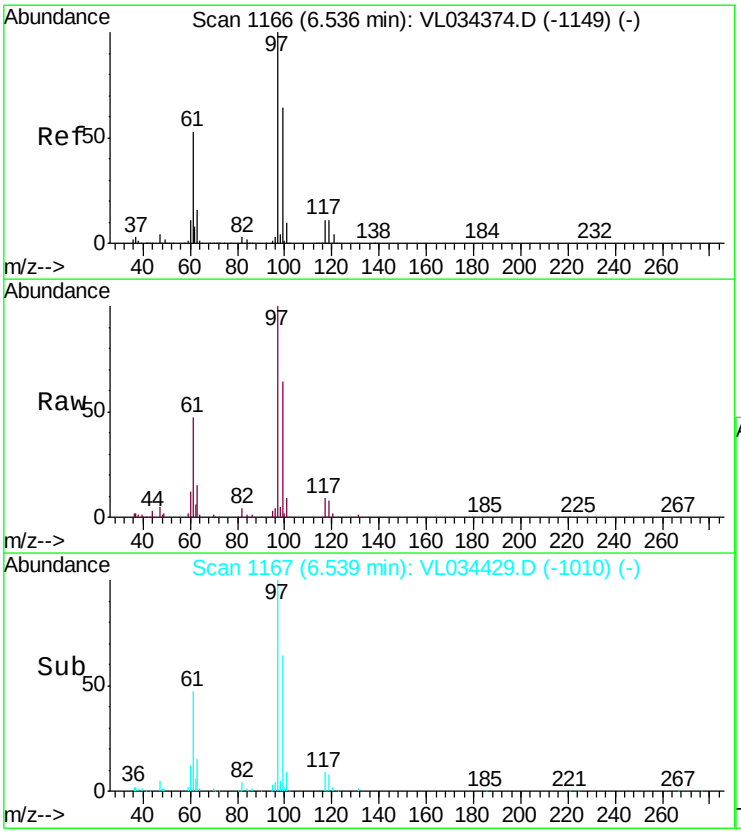
#31
cis-1,2-Dichloroethene
Concen: 2.429 ppbv
RT: 5.57 min Scan# 865
Delta R.T. 0.01 min
Lab File: VL034429.D
Acq: 2 Dec 2019 16:54

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL2

Tgt Ion: 61 Resp: 244844

Ion	Ratio	Lower	Upper
61	100		
96	56.3	47.4	71.2
98	31.8	30.6	45.8

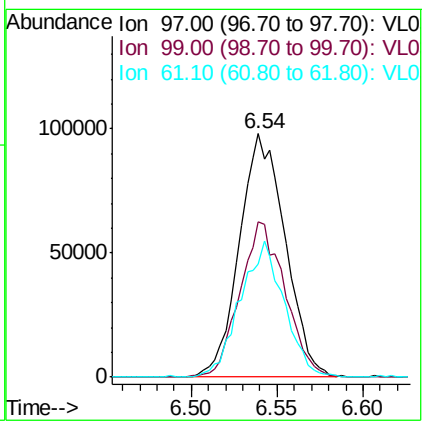


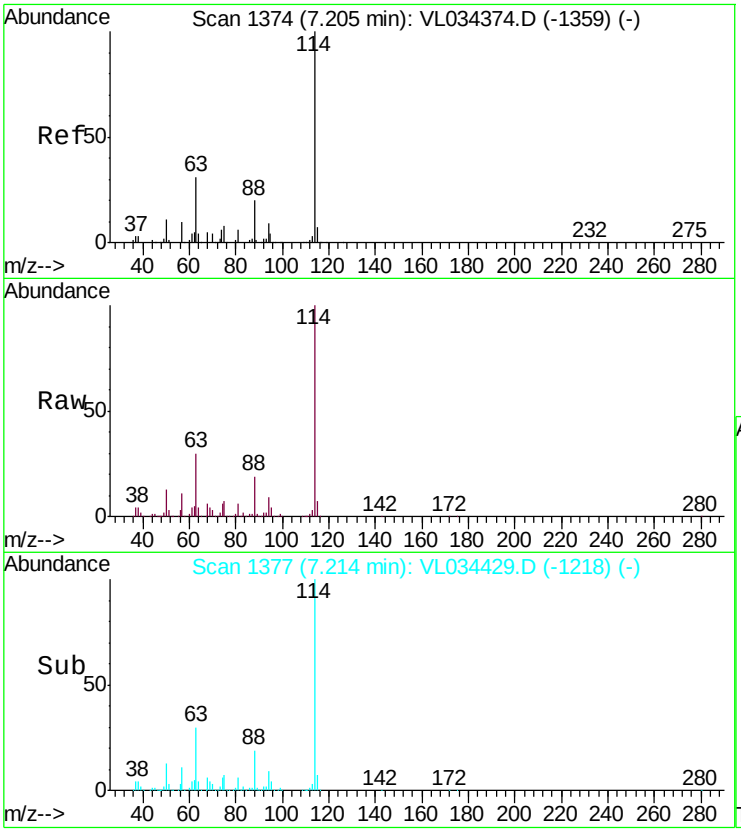


#32
1,1,1-Trichloroethane
Concen: 1.225 ppbv
RT: 6.54 min Scan# 1167
Delta R.T. 0.00 min
Lab File: VL034429.D
Acq: 2 Dec 2019 16:54

Tgt Ion: 97 Resp: 181469

Ion	Ratio	Lower	Upper
97	100		
99	62.6	52.3	78.5
61	53.6	43.7	65.5



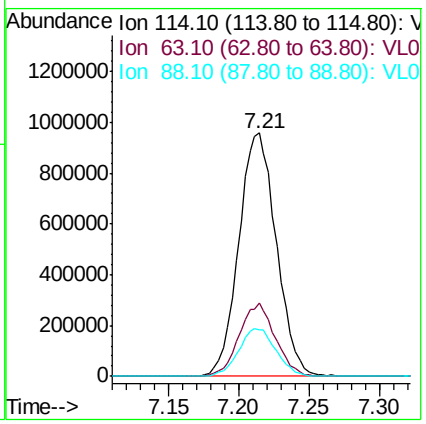


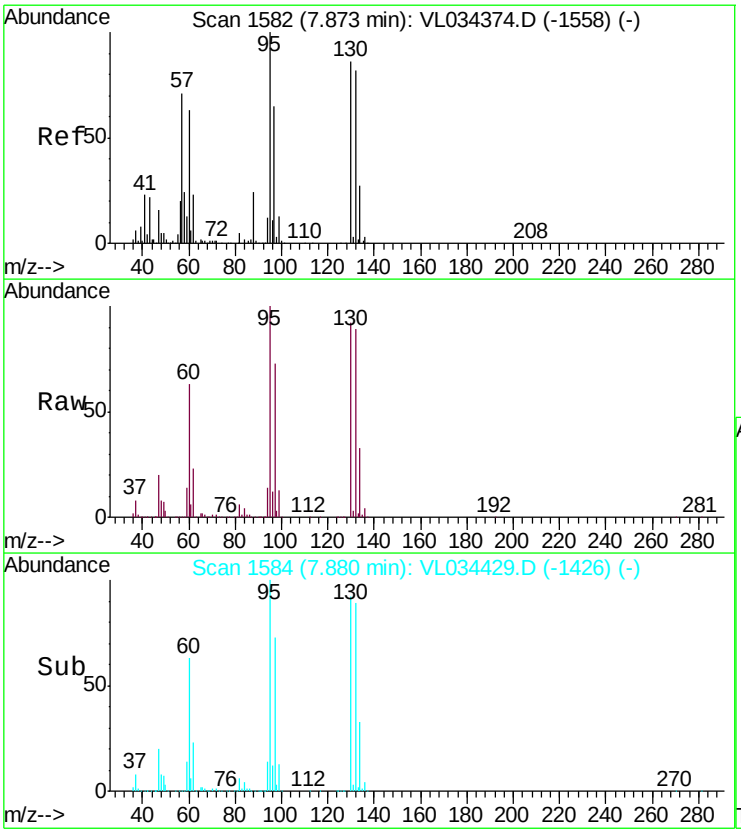
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1377
Delta R.T. 0.01 min
Lab File: VL034429.D
Acq: 2 Dec 2019 16:54

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL2

Tgt Ion:114 Resp: 1786207

Ion	Ratio	Lower	Upper
114	100		
63	28.9	24.2	36.4
88	19.5	15.9	23.9

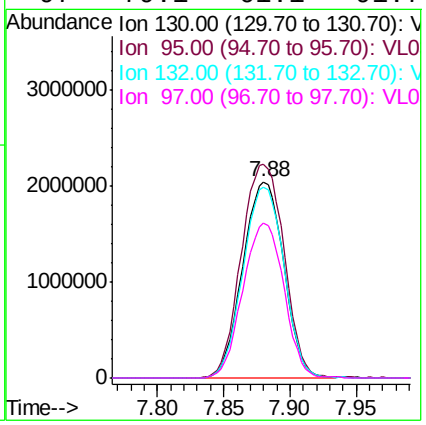


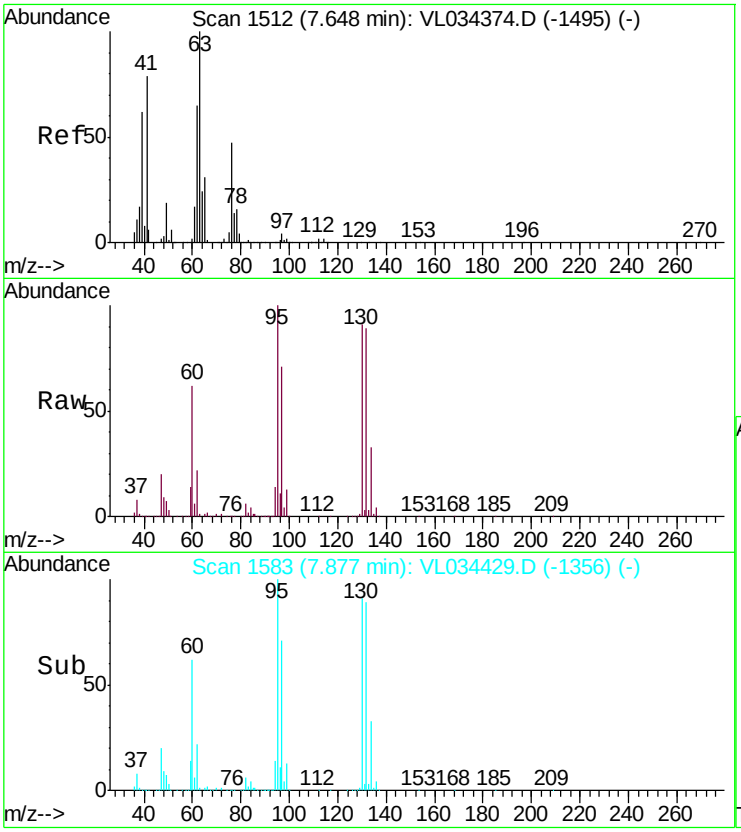


#38
Trichloroethene
Concen: 60.243 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL034429.D
Acq: 2 Dec 2019 16:54

Tgt Ion:130 Resp: 4414332

Ion	Ratio	Lower	Upper
130	100		
95	109.0	93.4	140.0
132	97.1	76.4	114.6
97	79.1	61.1	91.7



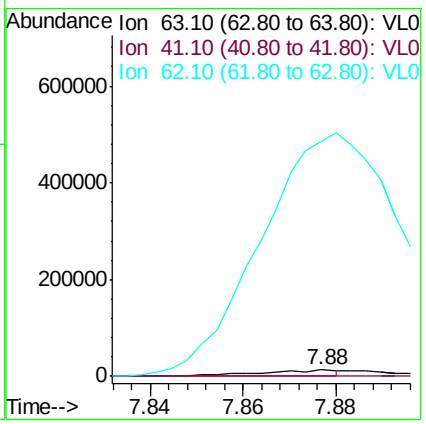


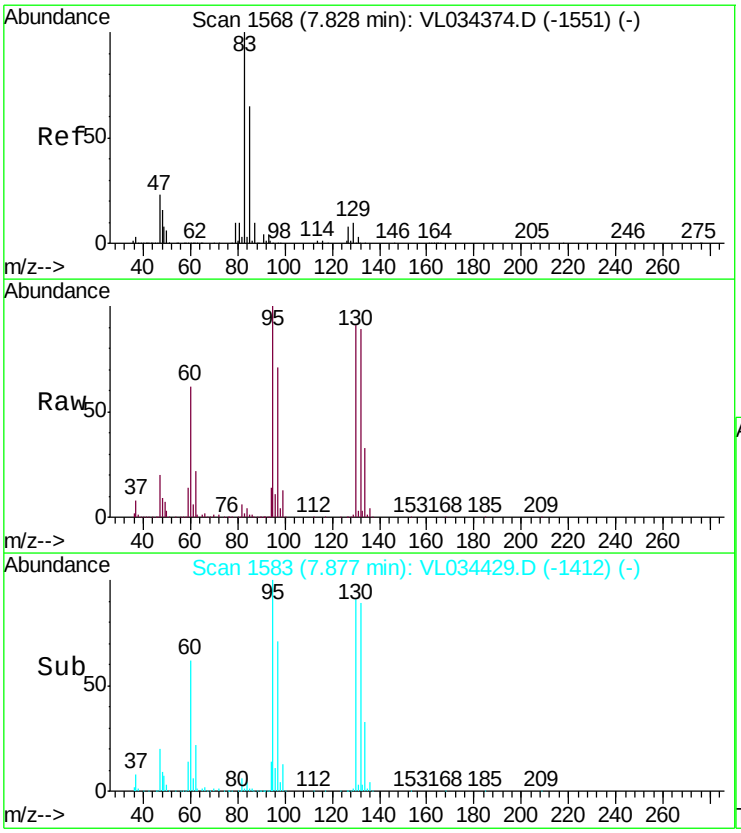
#39
1,2-Dichloropropane
Concen: 0.210 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.23 min
Lab File: VL034429.D
Acq: 2 Dec 2019 16:54

Instrument : MSVOA_L
ClientSampleId : SV-2DL2

Tgt Ion: 63 Resp: 14441

Ion	Ratio	Lower	Upper
63	100		
41	5.3	63.1	94.7#
62	3647.2	52.3	78.5#

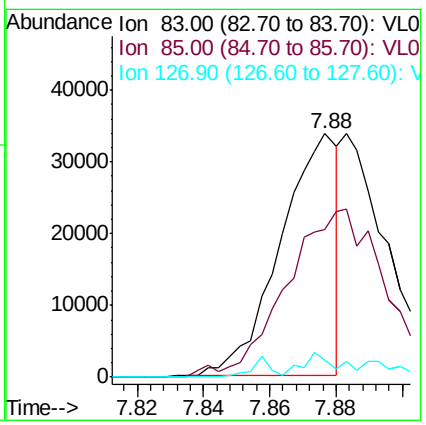


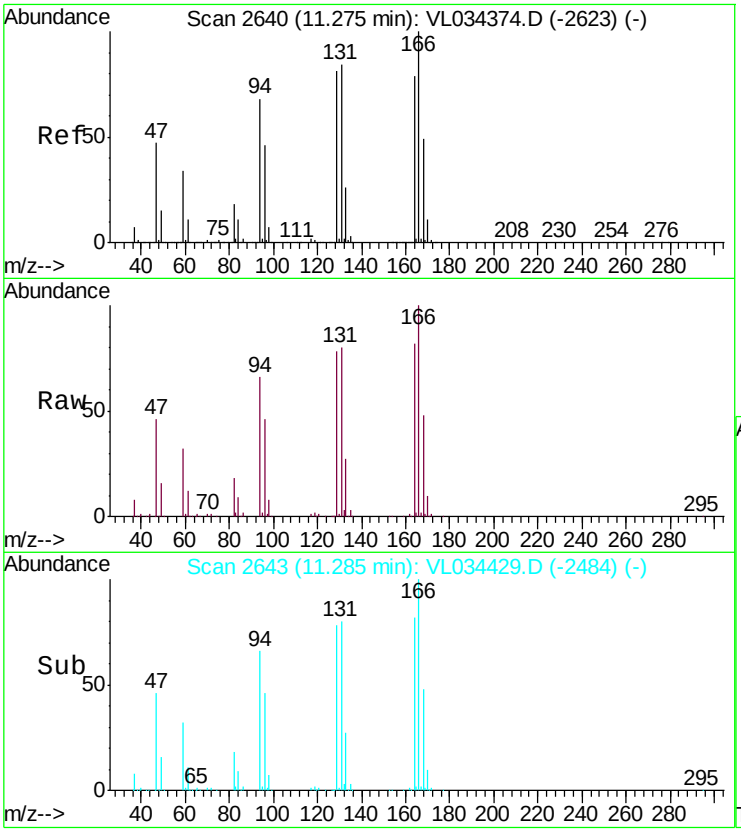


#42
Bromodichloromethane
Concen: 0.244 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.05 min
Lab File: VL034429.D
Acq: 2 Dec 2019 16:54

Tgt Ion: 83 Resp: 40562

Ion	Ratio	Lower	Upper
83	100		
85	61.0	52.3	78.5
127	7.1	6.1	9.1



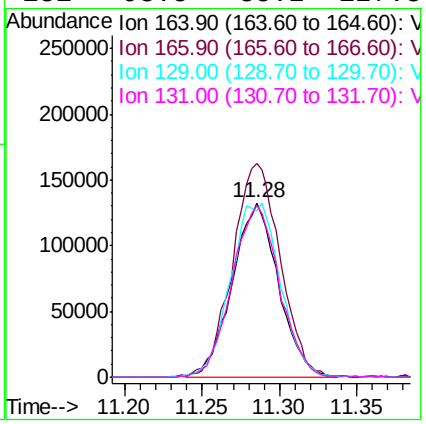


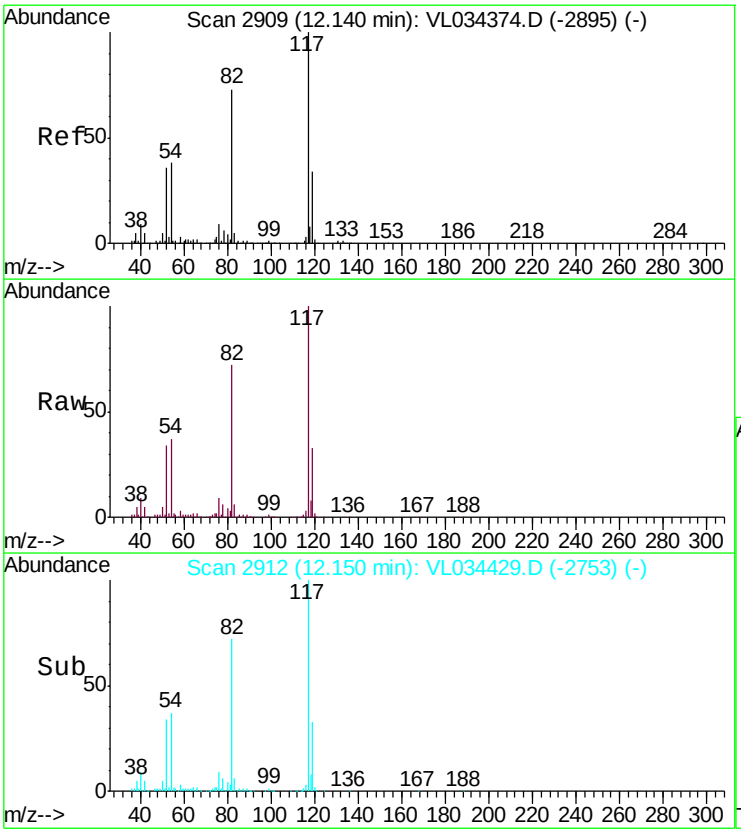
#52
Tetrachloroethene
Concen: 3.510 ppbv
RT: 11.28 min Scan# 2643
Delta R.T. 0.01 min
Lab File: VL034429.D
Acq: 2 Dec 2019 16:54

Instrument : MSVOA_L
ClientSampleId : SV-2DL2

Tgt Ion:164 Resp: 271141

Ion	Ratio	Lower	Upper
164	100		
166	122.3	101.7	152.5
129	94.4	82.6	123.8
131	98.5	85.2	127.8

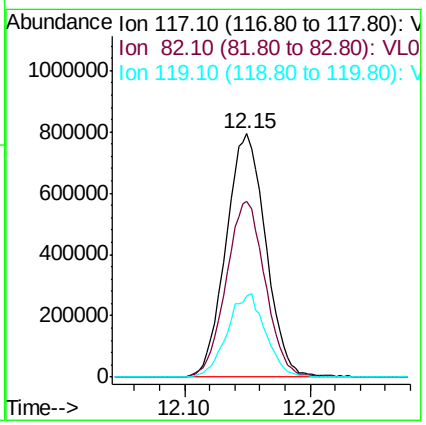


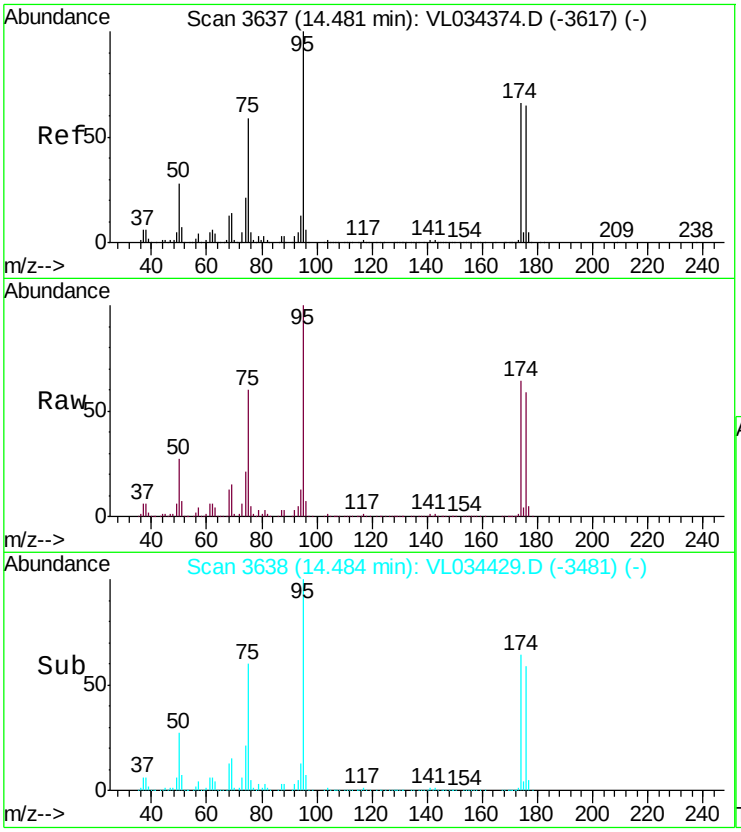


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.01 min
Lab File: VL034429.D
Acq: 2 Dec 2019 16:54

Tgt Ion:117 Resp: 1725595

Ion	Ratio	Lower	Upper
117	100		
82	72.2	57.5	86.3
119	33.4	25.4	38.2





#68
1-Bromo-4-Fluorobenzene
Concen: 9.908 ppbv
RT: 14.48 min Scan# 3638
Delta R.T. 0.00 min
Lab File: VL034429.D
Acq: 2 Dec 2019 16:54

Instrument :
MSVOA_L
ClientSampleId :
SV-2DL2

Tgt Ion: 95 Resp: 1438339

Ion	Ratio	Lower	Upper
95	100		
174	67.0	52.2	78.2
175	4.9	3.8	5.8