Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051719\

Quantitation Report (Not Reviewed)

Data File : VL033716.D
Acq On : 17 May 2019 14:44
Operator : SY/AP
Sample : K2893-02DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Quant Time: May 17 23:22:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	1070803	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2725983	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2438286	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	2097162	10.61	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	63330	0.281	ppbv		97
3) Chlorodifluoromethane	3.39	51	91586	0.747	ppbv	#	57
4) Chloromethane	3.17	50	19269	0.275	ppbv	#	88
5) Vinyl Chloride	3.29	62	866	0.012	ppbv	#	71
6) Bromomethane	3.52	94	2451	0.056	ppbv		94
7) Chloroethane	3.59	64	820	0.032	ppbv		93
8) Dichlorotetrafluoroethane	3.22	85	7636	0.042	ppbv		92
9) Propene	3.24	41	1805994	34.617	ppbv		98
10) Heptane	8.25	43	742156	5.024	ppbv		100
11) Trichlorofluoromethane	4.01	101	77512	0.360	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.06	101	381152	2.534	ppbv	#	13
13) Ethanol	3.66	45	893360	52.980	ppbv		100
15) Acetone	3.89	43	4026868	27.104	ppbv		92
16) 1,3-Butadiene	3.34	39	239600	4.050	ppbv	#	17
17) tert-Butyl alcohol	4.37	59	109126	0.908	ppbv	#	72
18) 1,1-Dichloroethene	4.35	96	660	0.010	ppbv		94
19) Isopropyl Alcohol	4.06	45	1867090	19.491	ppbv	#	1
20) Methylene Chloride	4.41	84	216384	3.783	ppbv		98
21) Allyl Chloride	4.37	41	35759	0.386	ppbv	#	72
22) trans-1,2-Dichloroethene	4.96	96	1066	0.016	ppbv	#	45
23) Vinyl Acetate	5.14	43	295309	1.508	ppbv	#	1
24) 1,1-Dichloroethane	5.09	63	4947	0.033	ppbv	#	86
25) Ethyl Acetate	5.78	43	994333	3.810	ppbv	#	90
26) Hexane	5.78	57	1107234	9.869	ppbv	#	48
27) Carbon Disulfide	4.62	76	658434	4.278	ppbv		97
28) Methyl tert-Butyl Ether	5.10	73	2646	0.014	ppbv	#	54
29) Chloroform	5.85	83	27376	0.132	ppbv		98
30) Cyclohexane	7.25	84	245739	2.605	ppbv		87
31) cis-1,2-Dichloroethene	5.76	61	37886	0.341	ppbv	#	30
32) 1,1,1-Trichloroethane	6.61	97	2799	0.014	ppbv	#	23
34) 2-Butanone	5.33	43	464022	2.746	ppbv		96
35) Carbon Tetrachloride	7.13	117	9855	0.045	ppbv		88
36) Benzene	7.00	78	820785	3.310	ppbv		96
37) 1,2-Dichloroethane	6.41	62	15180	0.095	ppbv	#	92
38) Trichloroethene	7.95	130	2020	0.022	ppbv	#	75
39) 1,2-Dichloropropane	7.29	63	667216	7.217	ppbv	#	23
40) 1,4-Dioxane	7.98	88	7005	0.181	ppbv	#	1
41) Tetrahydrofuran	6.15	42	226826	2.396	ppbv		98
42) Bromodichloromethane	7.91	83	9816	0.045	ppbv	#	44
43) Methyl Methacrylate	8.13	69	1497	0.016	ppbv	#	1
44) 2,2,4-Trimethylpentane	7.99	57	64266	0.153	ppbv	#	1

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051719\

Quantitation Report (Not Reviewed)

Data File : VL033716.D
Acq On : 17 May 2019 14:44
Operator : SY/AP
Sample : K2893-02DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Quant Time: May 17 23:22:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) cis-1,3-Dichloropropene	8.83	75	1879	0.014	ppbv	#	75
50) 4-Methyl-2-Pentanone	8.87	43	99023	0.381	ppbv		96
51) 2-Hexanone	10.26	43	182202	0.898	ppbv	#	99
52) Tetrachloroethene	11.37	164	32281	0.370	ppbv		95
53) Toluene	9.95	91	3891878	14.551	ppbv		99
57) Chlorobenzene	12.29	112	2478	0.012	ppbv	#	26
58) Ethyl Benzene	12.86	91	4040105	12.512	ppbv		99
59) m/p-Xylene	13.12	91	9542638	33.808	ppbv		96
60) o-Xylene	13.85	91	2502366	8.795	ppbv		99
61) Styrene	13.68	104	30704	0.160	ppbv	#	34
62) Isopropylbenzene	14.82	105	68574	0.179	ppbv		96
63) 1,1,2,2-Tetrachloroethane	13.83	83	2451	0.012	ppbv	#	25
64) n-propylbenzene	15.72	120	3362	0.034	ppbv	#	1
65) tert-Butylbenzene	16.90	119	8685	0.025	ppbv	#	18
66) Benzyl Chloride	17.15	91	2172	0.013	ppbv	#	66
67) sec-Butylbenzene	17.47	105	15848	0.032	ppbv	#	78
69) p-Isopropyltoluene	17.82	119	55554	0.137	ppbv	#	87
70) n-Butylbenzene	18.72	91	9790	0.023	ppbv	#	33
71) 2-Chlorotoluene	15.61	91	5124	0.018	ppbv	#	35
72) 4-Ethyltoluene	16.00	105	63871	0.196	ppbv	#	93
73) 1,3,5-Trimethylbenzene	16.15	105	68282	0.215	ppbv		89
74) 1,2,4-Trimethylbenzene	16.93	105	165278	0.478	ppbv	#	78
75) 1,3-Dichlorobenzene	17.16	146	3455	0.016	ppbv	#	23
76) 1,4-Dichlorobenzene	17.30	146	68521	0.341	ppbv	#	1
77) 1,2-Dichlorobenzene	17.99	146	3253	0.016	ppbv	#	1
78) Hexachloro-1,3-Butadiene	23.54	225	2983	0.020	ppbv	#	1
79) Naphthalene	22.41	128	31773	0.099	ppbv	#	92
81) 1,2,4-Trichlorobenzene	22.14	180	3618	0.019	ppbv	#	1

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

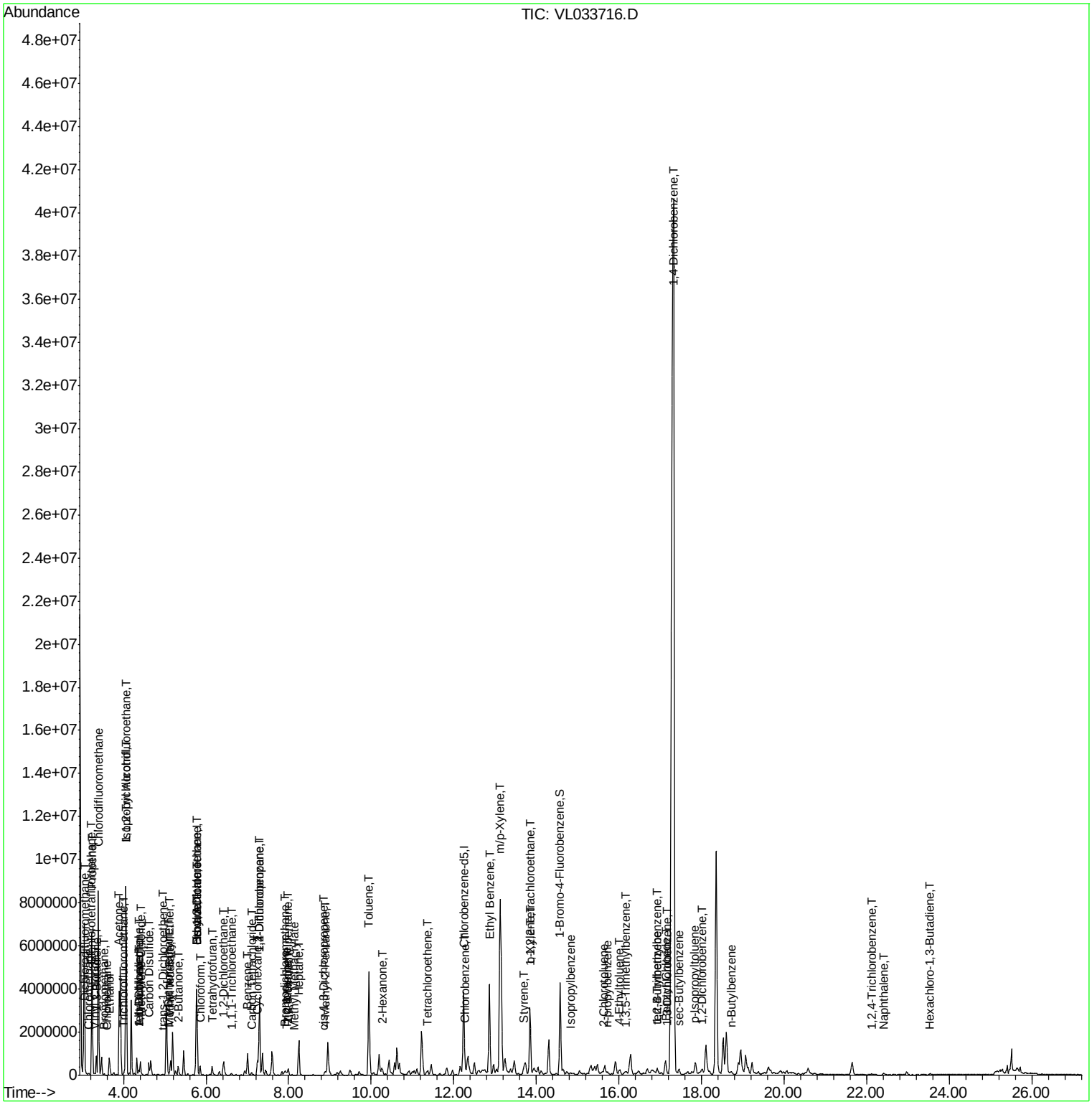
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051719\

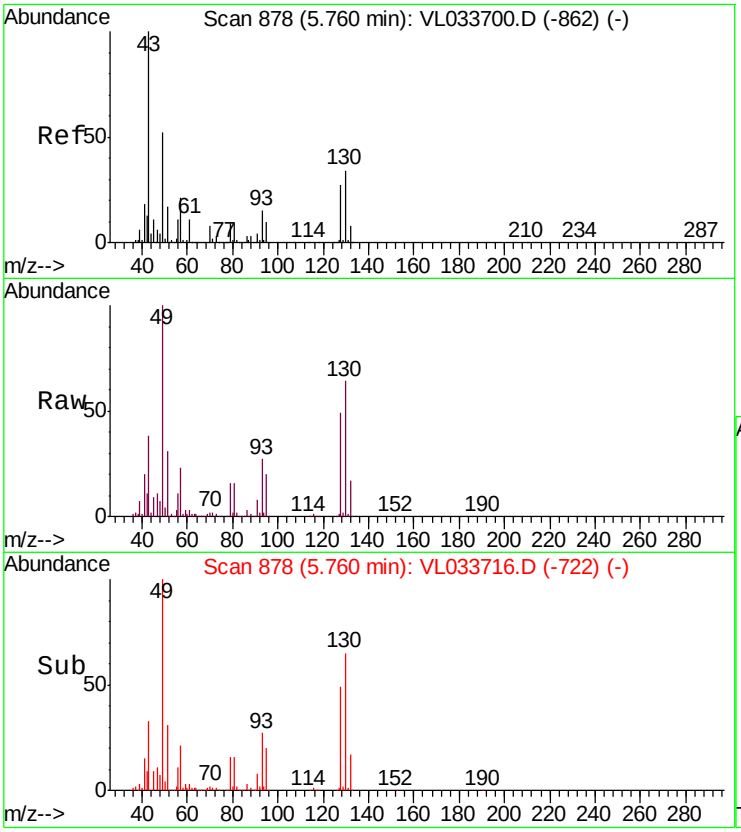
Quantitation Report (Not Reviewed)

Data File : VL033716.D
Acq On : 17 May 2019 14:44
Operator : SY/AP
Sample : K2893-02DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Quant Time: May 17 23:22:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



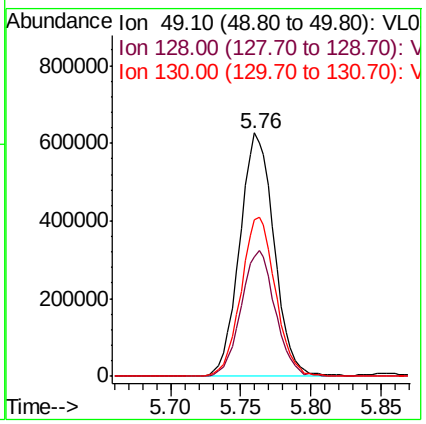


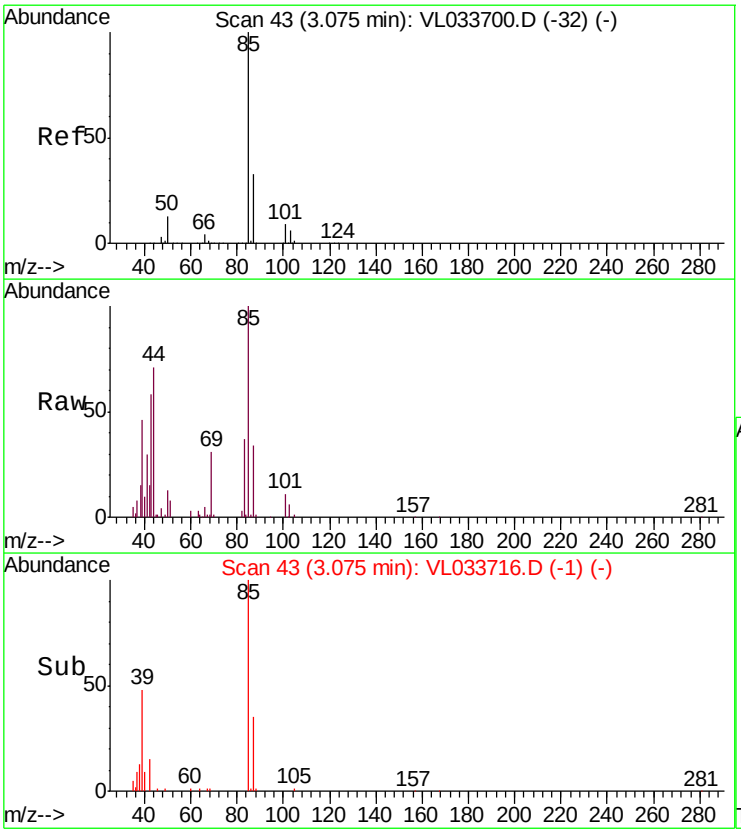
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tgt Ion: 49 Resp: 1070803

Ion	Ratio	Lower	Upper
49	100		
128	51.2	25.2	75.6
130	65.6	32.5	97.5

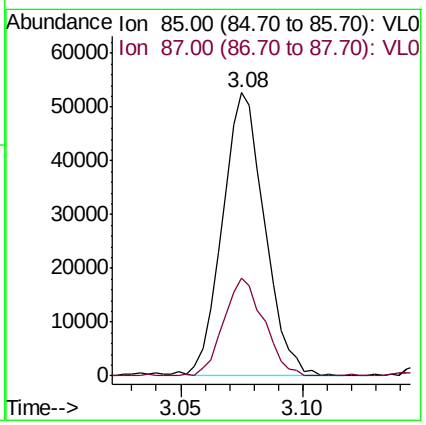


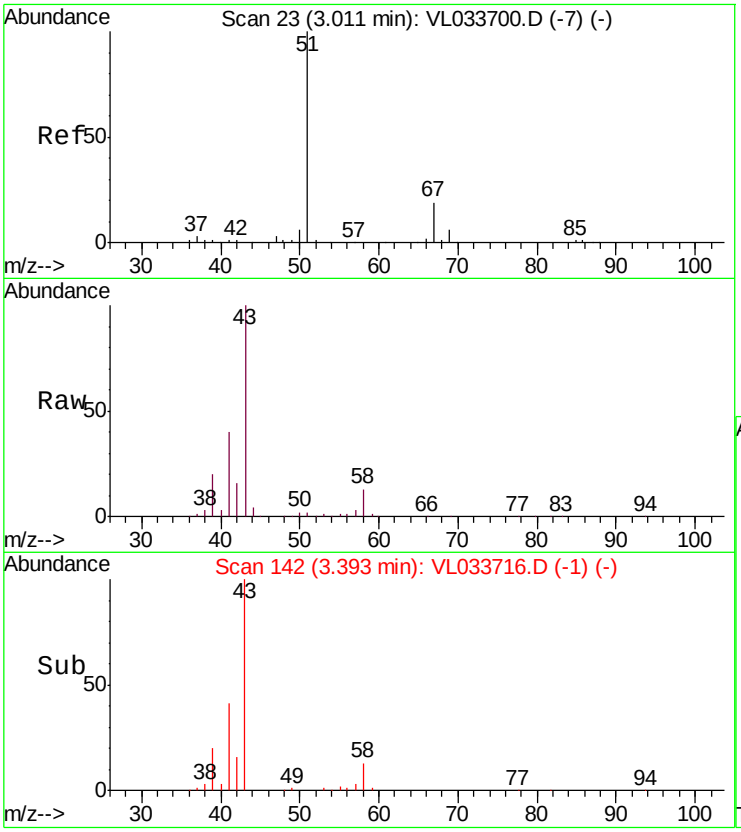


#2
Dichlorodifluoromethane
Concen: 0.281 ppbv
RT: 3.08 min Scan# 43
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 85 Resp: 63330

Ion	Ratio	Lower	Upper
85	100		
87	34.4	26.3	39.5



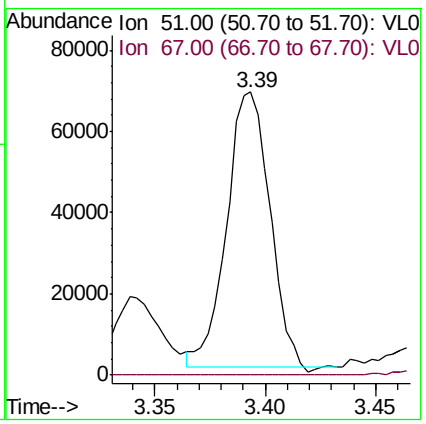


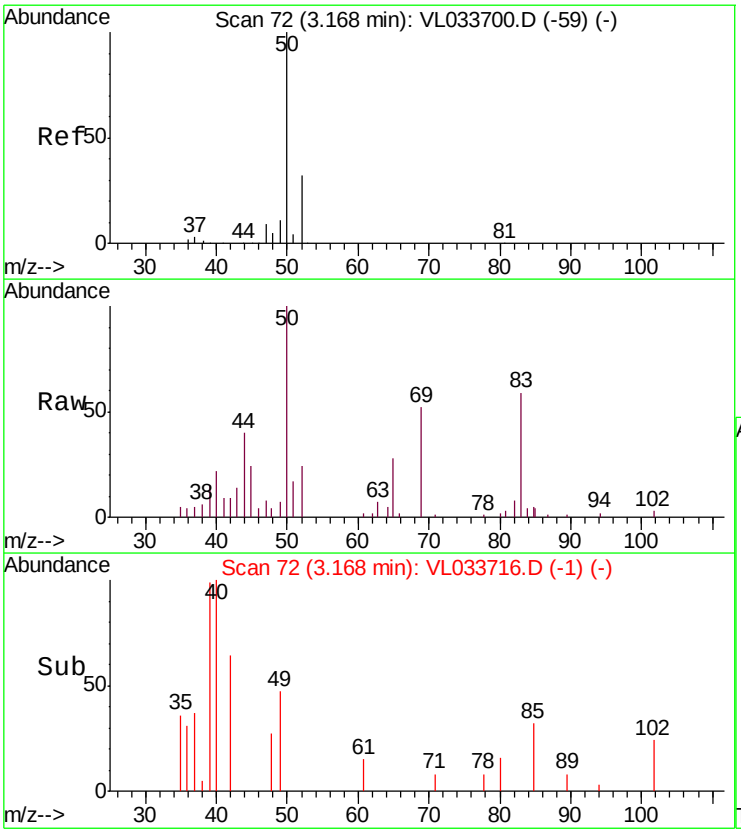
#3
Chlorodifluoromethane
Concen: 0.747 ppbv
RT: 3.39 min Scan# 142
Delta R.T. 0.38 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tgt Ion: 51 Resp: 91586

Ion	Ratio	Lower	Upper
51	100		
67	0.0	15.6	23.4#

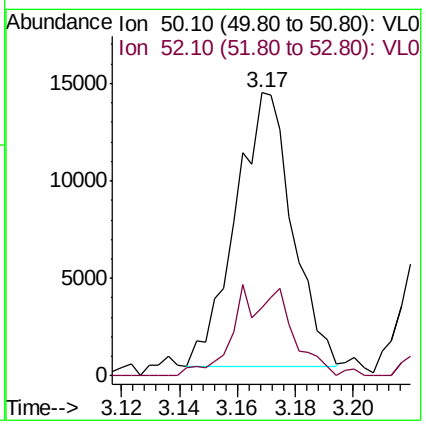


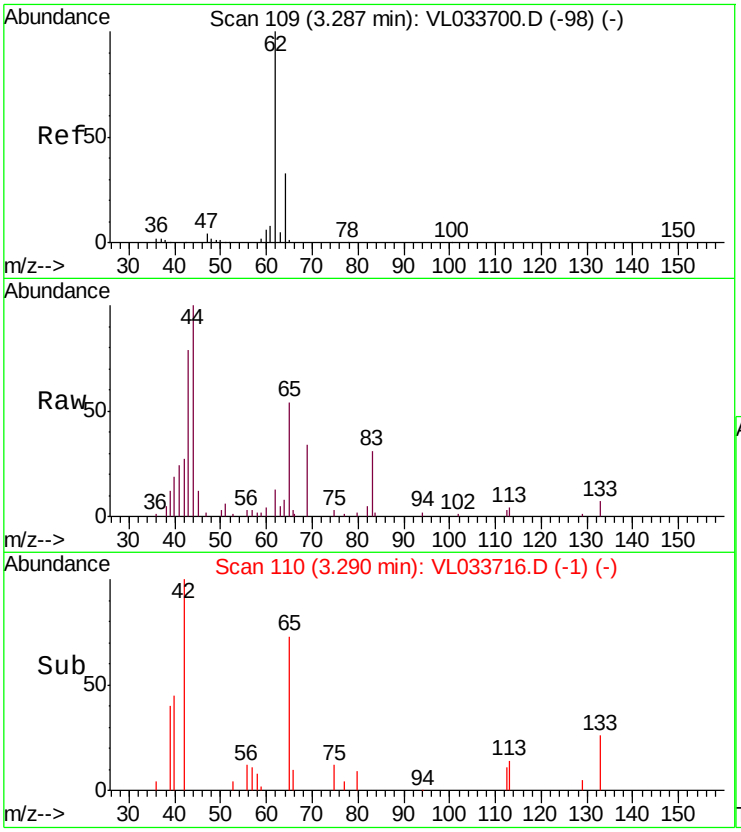


#4
Chloromethane
Concen: 0.275 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 50 Resp: 19269

Ion	Ratio	Lower	Upper
50	100		
52	25.2	25.7	38.5#



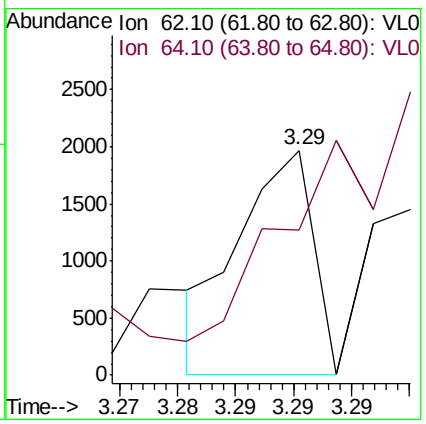


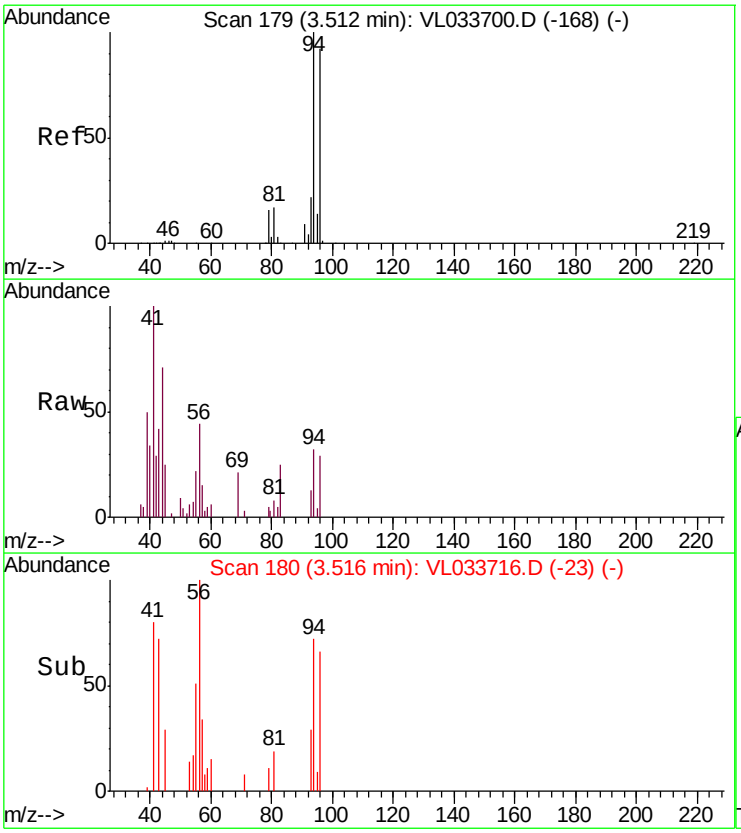
#5
Vinyl Chloride
Concen: 0.012 ppbv
RT: 3.29 min Scan# 110
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Tgt Ion: 62 Resp: 866

Ion	Ratio	Lower	Upper
62	100		
64	49.4	26.4	39.6#

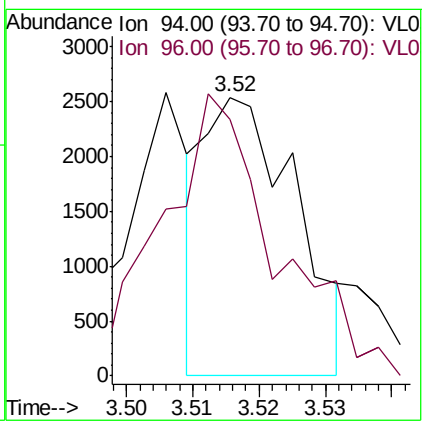


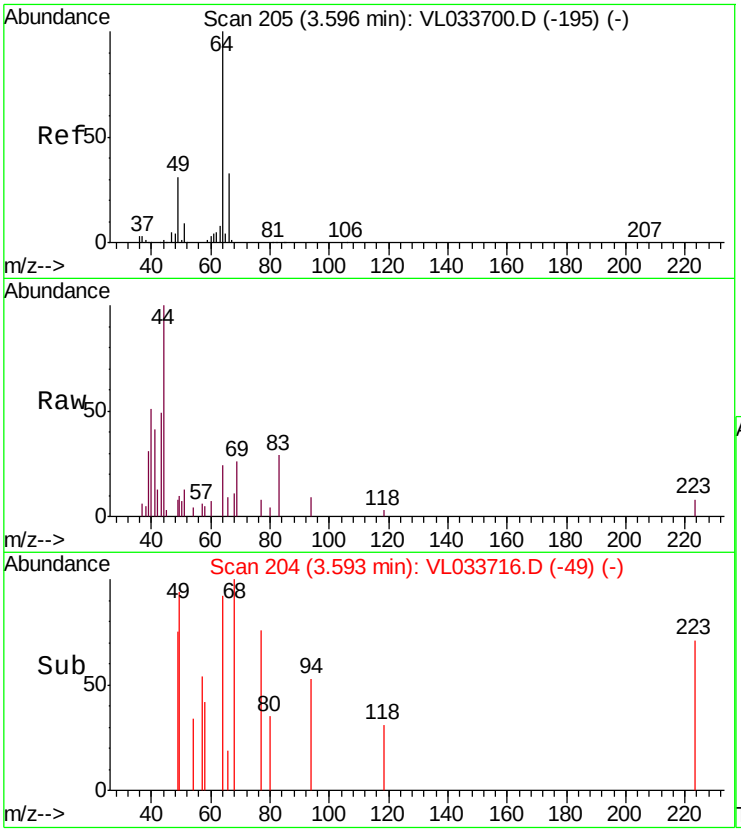


#6
Bromomethane
Concen: 0.056 ppbv
RT: 3.52 min Scan# 180
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 94 Resp: 2451

Ion	Ratio	Lower	Upper
94	100		
96	86.1	73.6	110.4



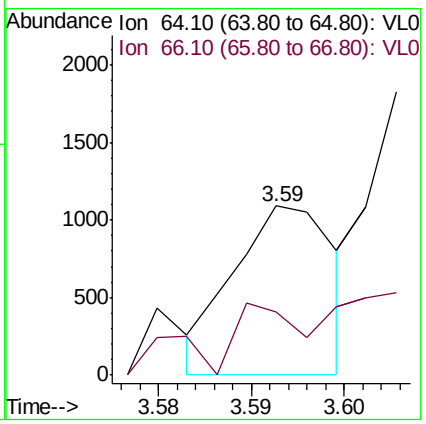


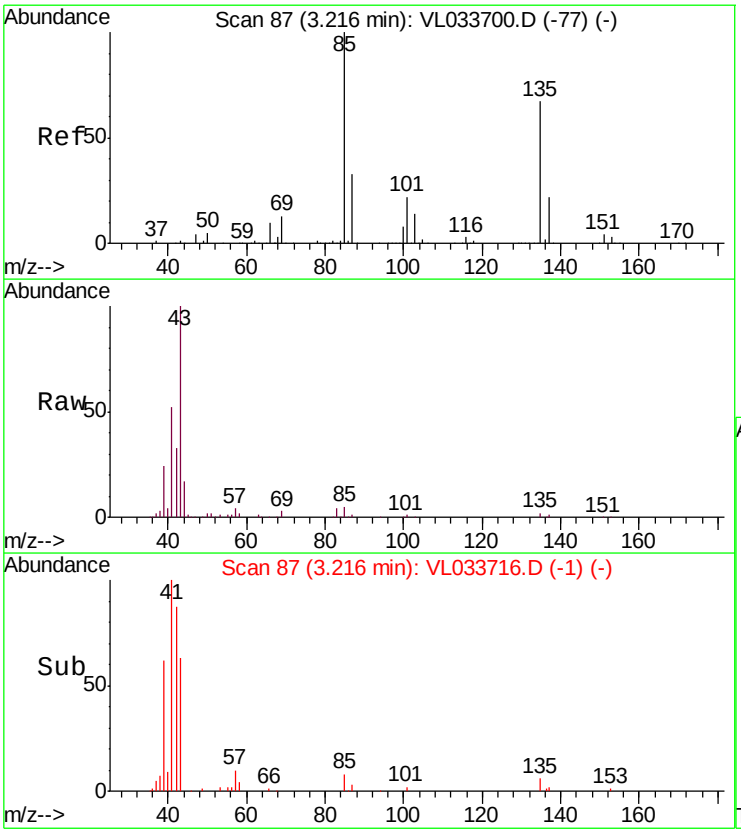
#7
Chloroethane
Concen: 0.032 ppbv
RT: 3.59 min Scan# 204
Delta R.T. -0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tgt Ion: 64 Resp: 820

Ion	Ratio	Lower	Upper
64	100		
66	37.4	26.6	40.0

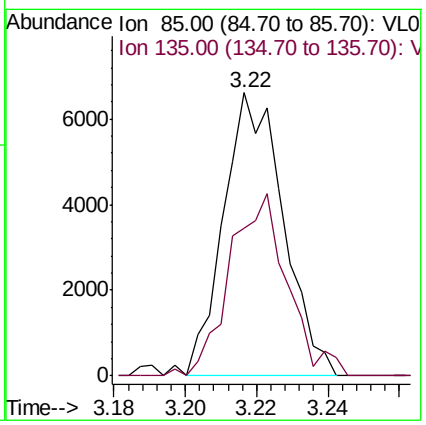


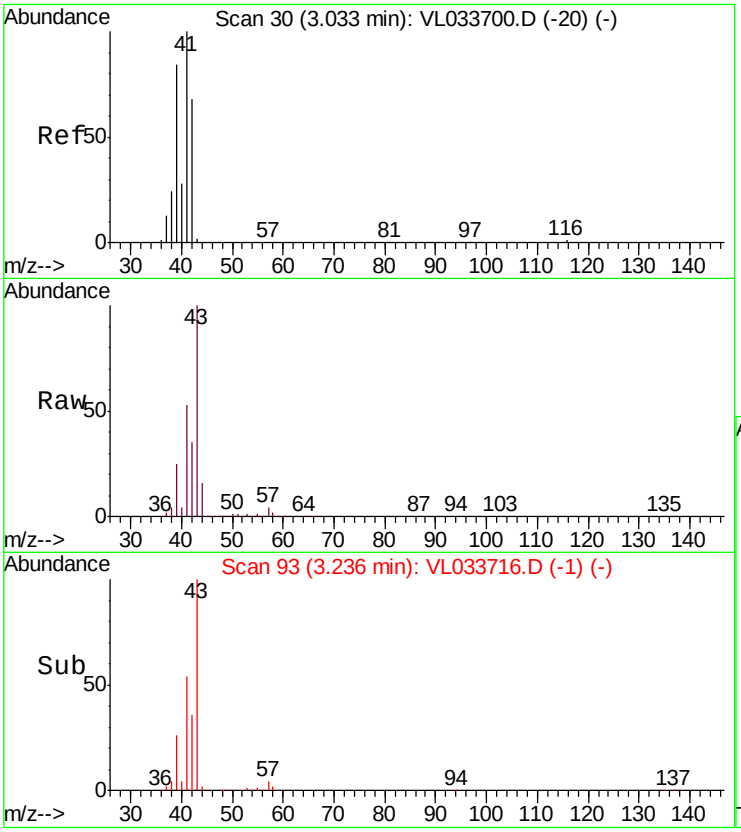


#8
Dichlorotetrafluoroethane
Concen: 0.042 ppbv
RT: 3.22 min Scan# 87
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 85 Resp: 7636

Ion	Ratio	Lower	Upper
85	100		
135	62.0	54.5	81.7



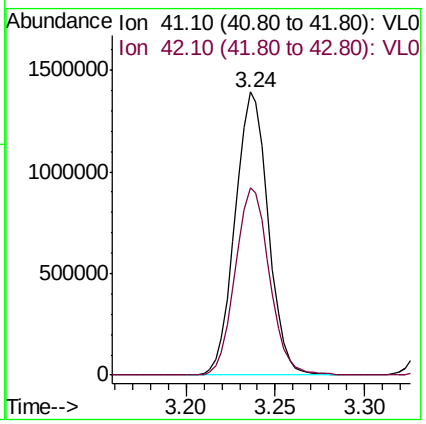


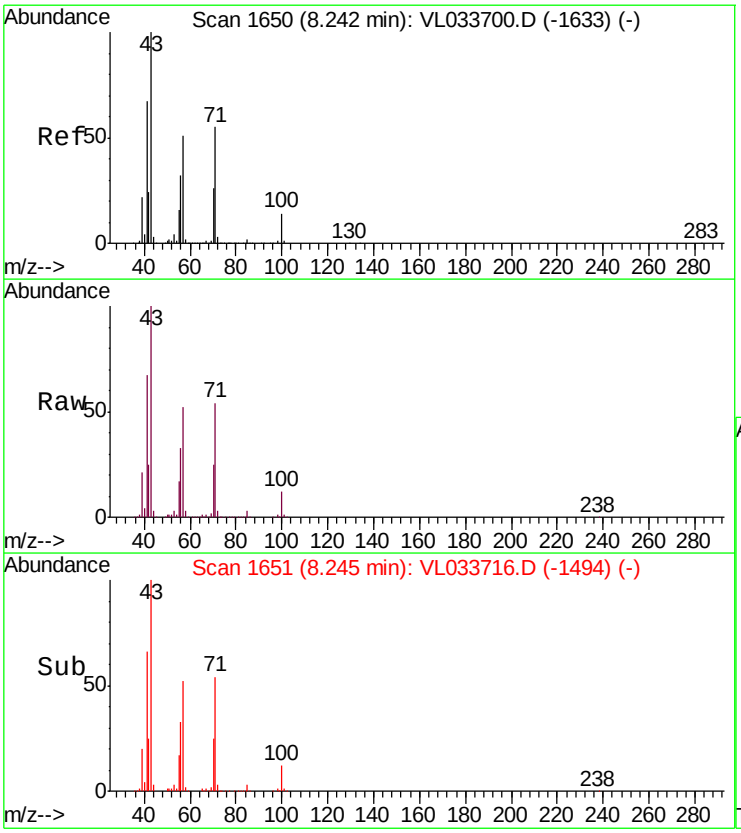
#9
Propene
Concen: 34.617 ppbv
RT: 3.24 min Scan# 93
Delta R.T. 0.20 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tgt Ion: 41 Resp: 1805994

Ion	Ratio	Lower	Upper
41	100		
42	68.7	56.1	84.1

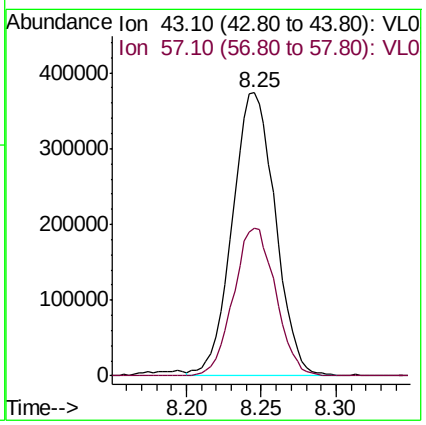


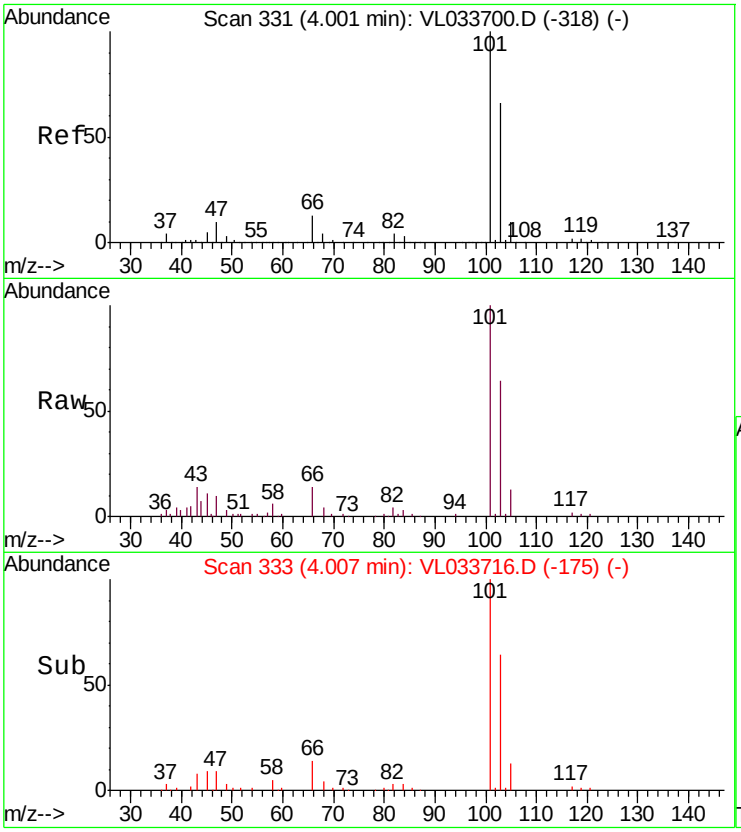


#10
Heptane
Concen: 5.024 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 43 Resp: 742156

Ion	Ratio	Lower	Upper
43	100		
57	51.7	41.4	62.0



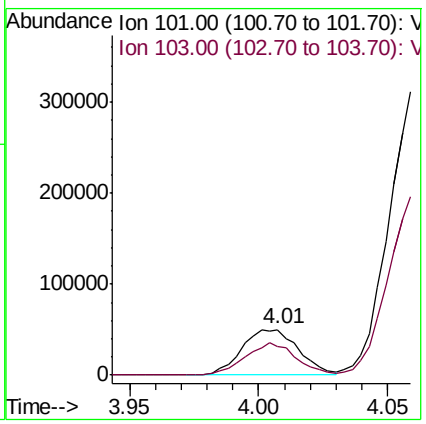


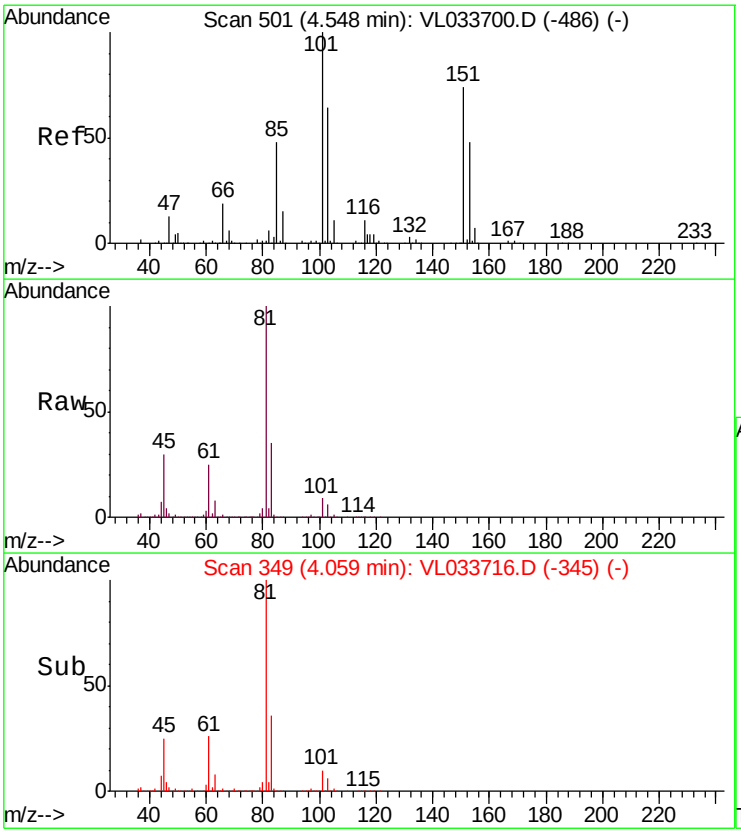
#11
Trichlorofluoromethane
Concen: 0.360 ppbv
RT: 4.01 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tgt Ion:101 Resp: 77512

Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.6	78.8

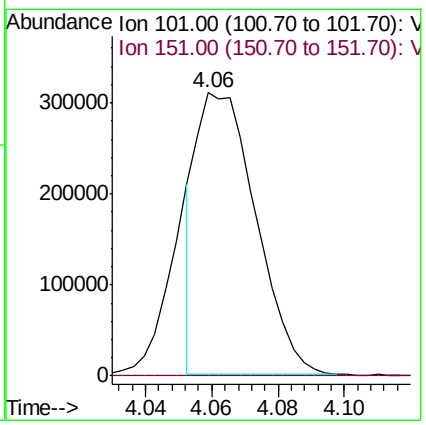


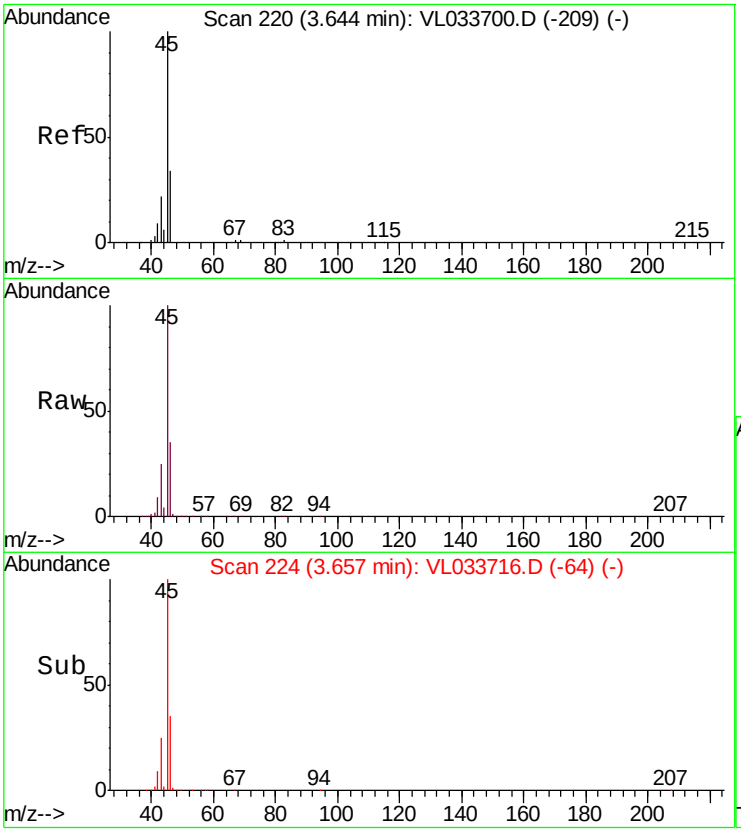


#12
1,1,2-Trichlorotrifluoroethane
Concen: 2.534 ppbv
RT: 4.06 min Scan# 349
Delta R.T. -0.49 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion:101 Resp: 381152

Ion	Ratio	Lower	Upper
101	100		
151	0.0	58.2	87.4#



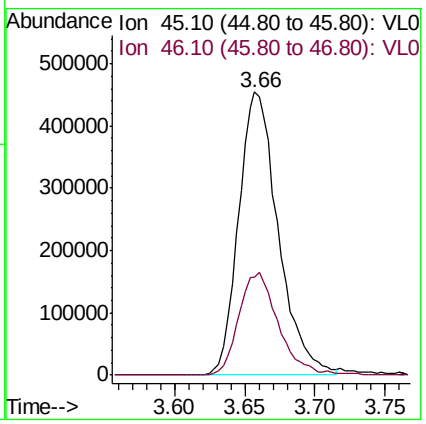


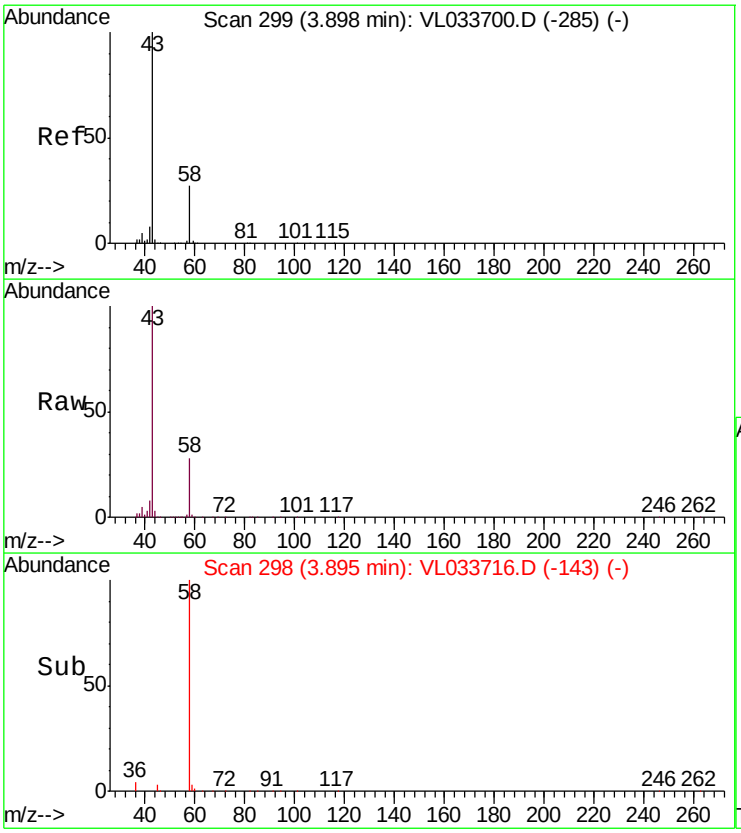
#13
Ethanol
Concen: 52.980 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tgt Ion: 45 Resp: 893360

Ion	Ratio	Lower	Upper
45	100		
46	36.7	14.8	59.0

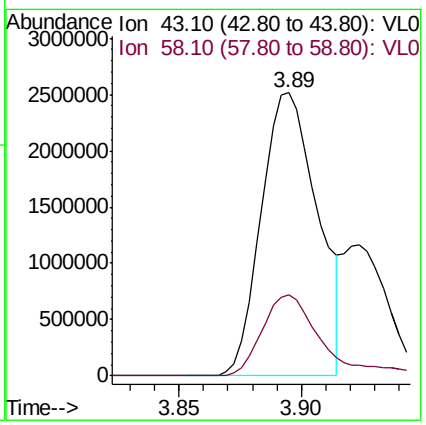


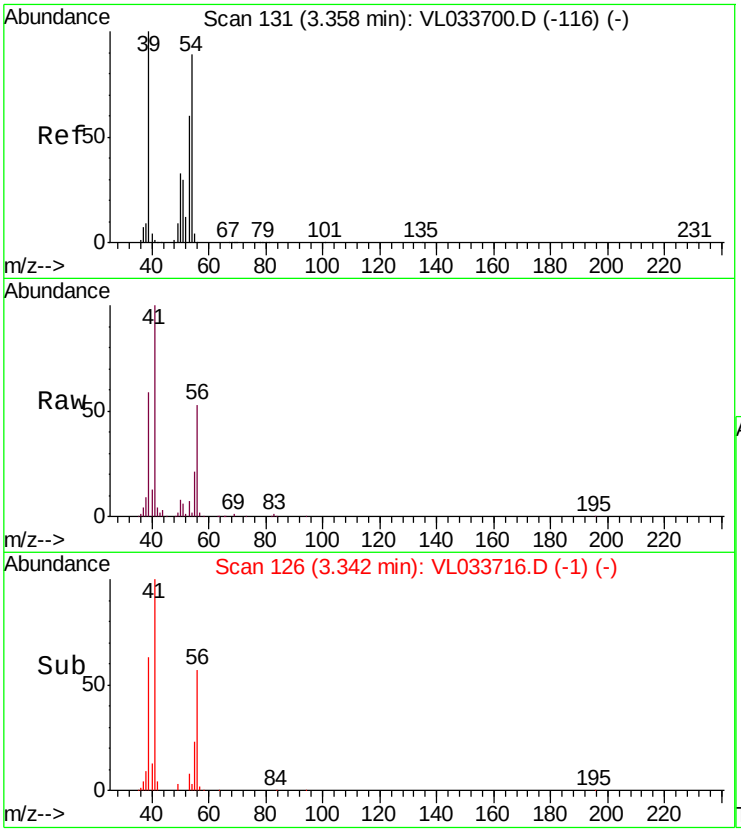


#15
Acetone
Concen: 27.104 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 43 Resp: 4026868

Ion	Ratio	Lower	Upper
43	100		
58	30.9	21.3	31.9



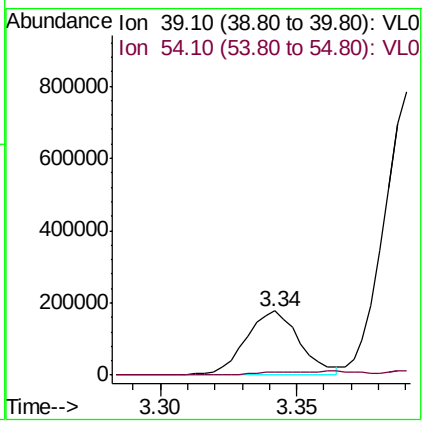


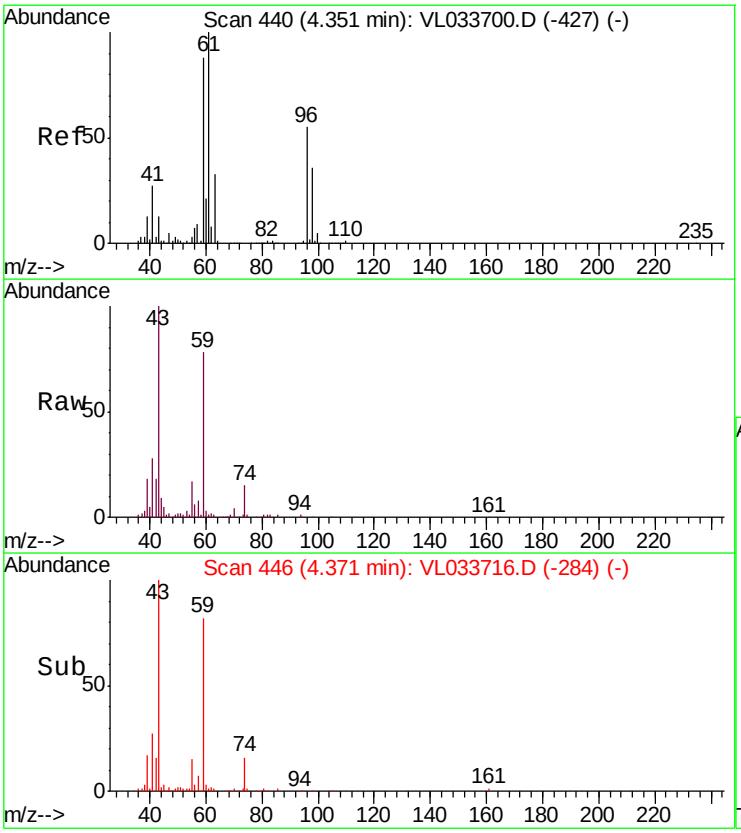
#16
1,3-Butadiene
Concen: 4.050 ppbv
RT: 3.34 min Scan# 126
Delta R.T. -0.02 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tgt Ion: 39 Resp: 239600

Ion	Ratio	Lower	Upper
39	100		
54	10.0	69.0	103.6#

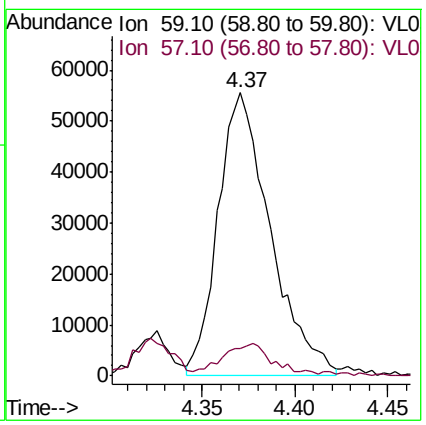


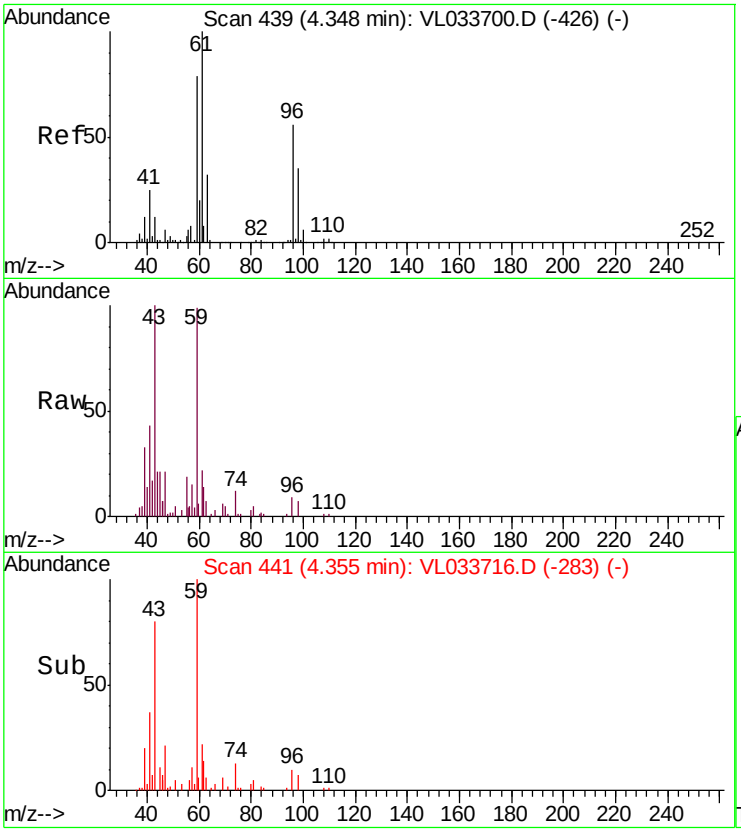


#17
tert-Butyl alcohol
Concen: 0.908 ppbv
RT: 4.37 min Scan# 446
Delta R.T. 0.02 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 59 Resp: 109126

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#



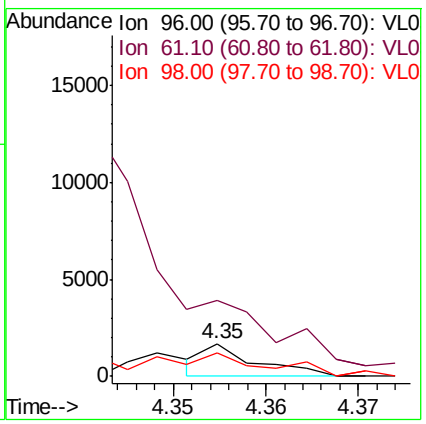


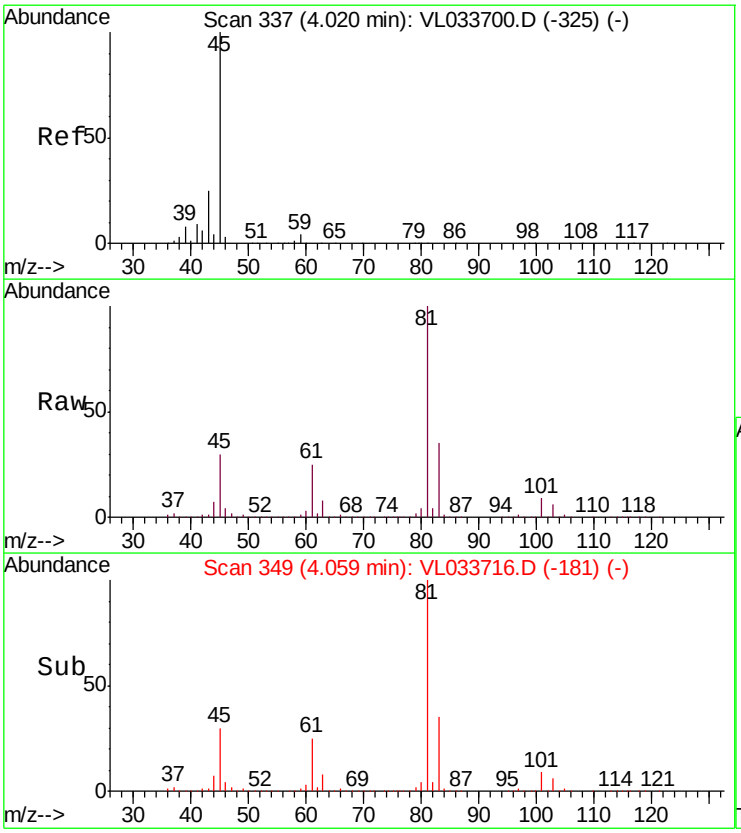
#18
1,1-Dichloroethene
Concen: 0.010 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.01 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Tgt Ion: 96 Resp: 660

Ion	Ratio	Lower	Upper
96	100		
61	182.7	143.1	214.7
98	73.6	49.5	74.3

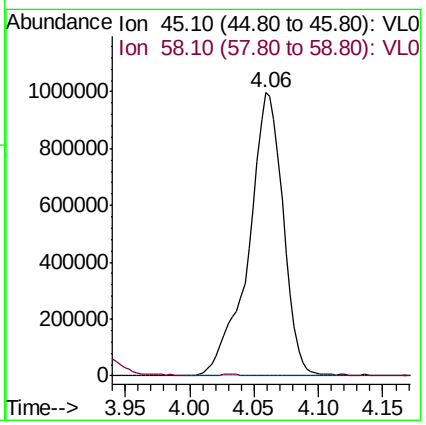


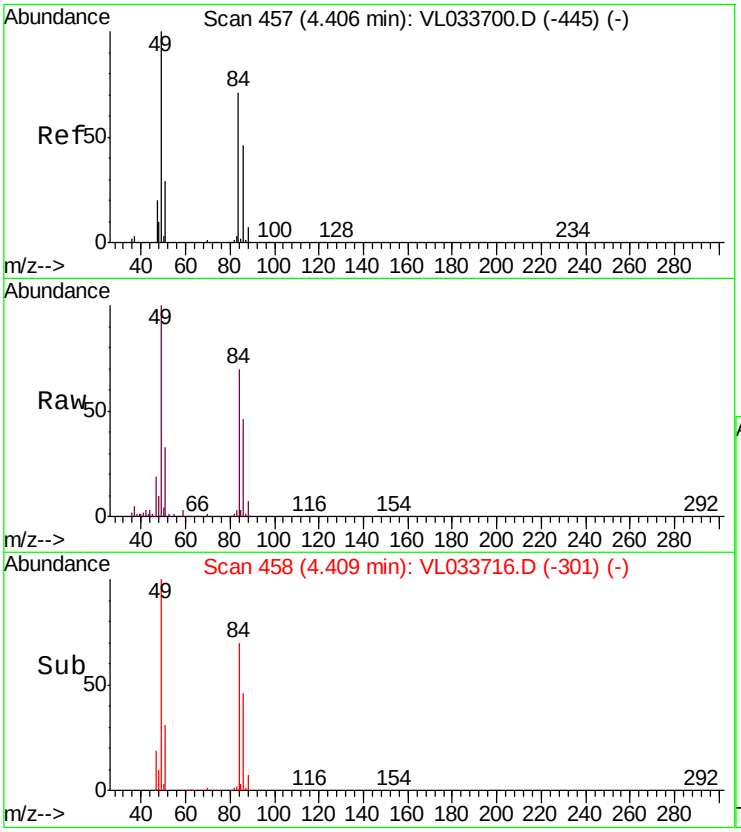


#19
Isopropyl Alcohol
Concen: 19.491 ppbv
RT: 4.06 min Scan# 349
Delta R.T. 0.04 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 45 Resp: 1867090

Ion	Ratio	Lower	Upper
45	100		
58	66.7	1.6	2.4#



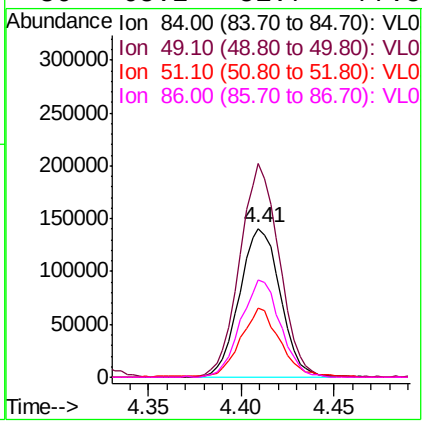


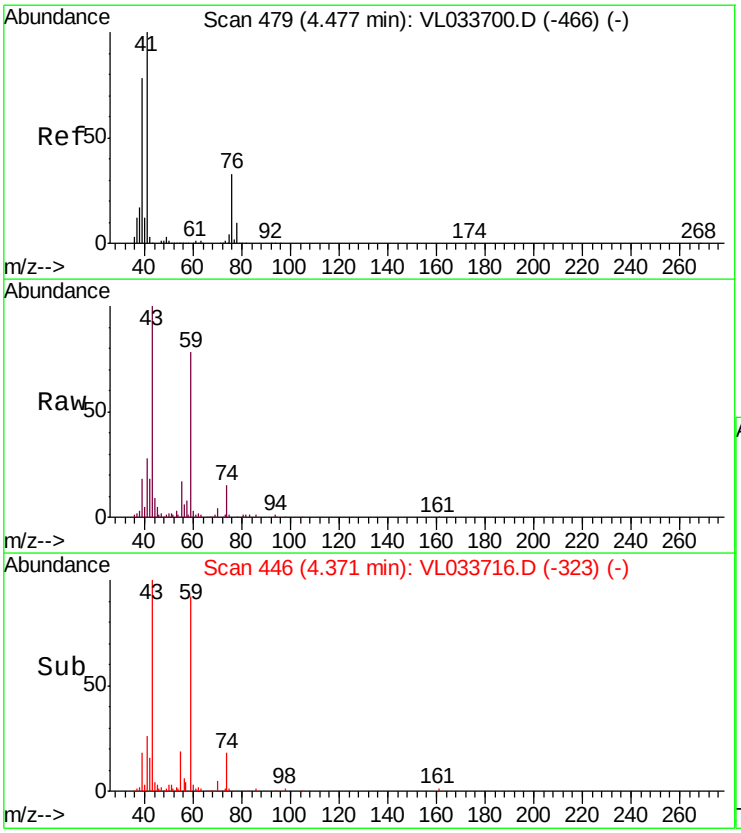
#20
Methylene Chloride
Concen: 3.783 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Tgt Ion: 84 Resp: 216384

Ion	Ratio	Lower	Upper
84	100		
49	143.0	112.8	169.2
51	46.0	33.4	50.0
86	65.2	51.7	77.5

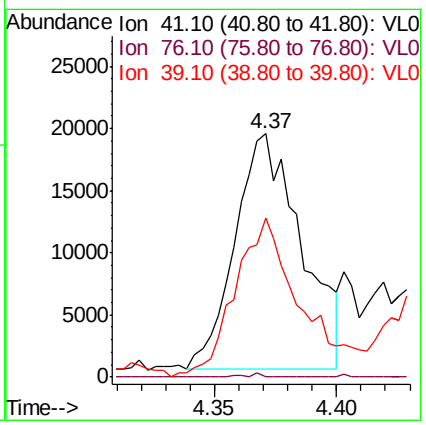


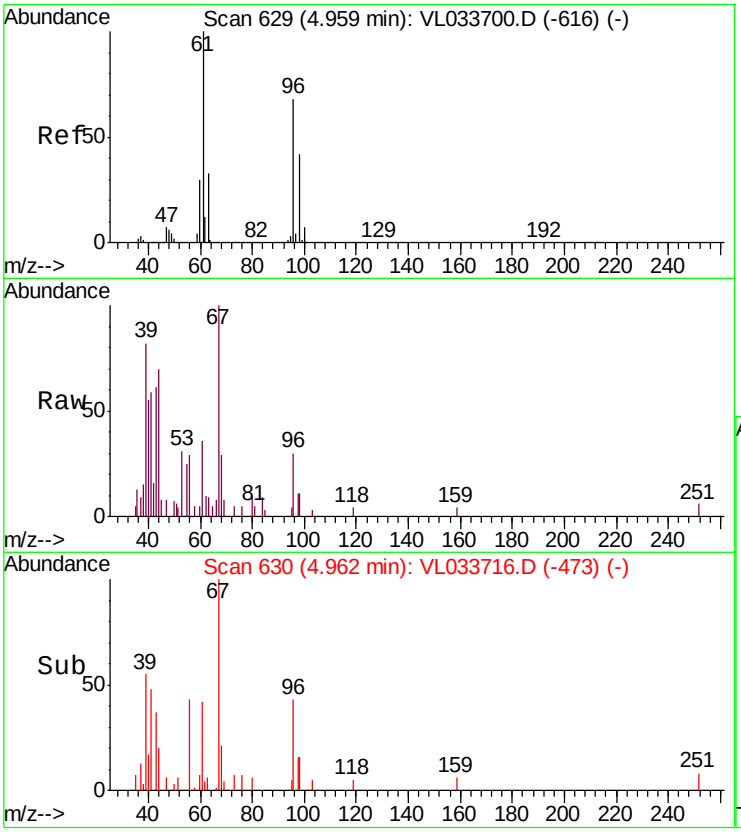


#21
Allyl Chloride
Concen: 0.386 ppbv
RT: 4.37 min Scan# 446
Delta R.T. -0.11 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 41 Resp: 35759

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.9	38.9#
39	66.4	64.6	97.0



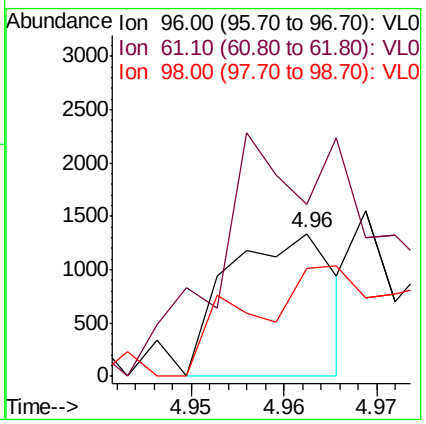


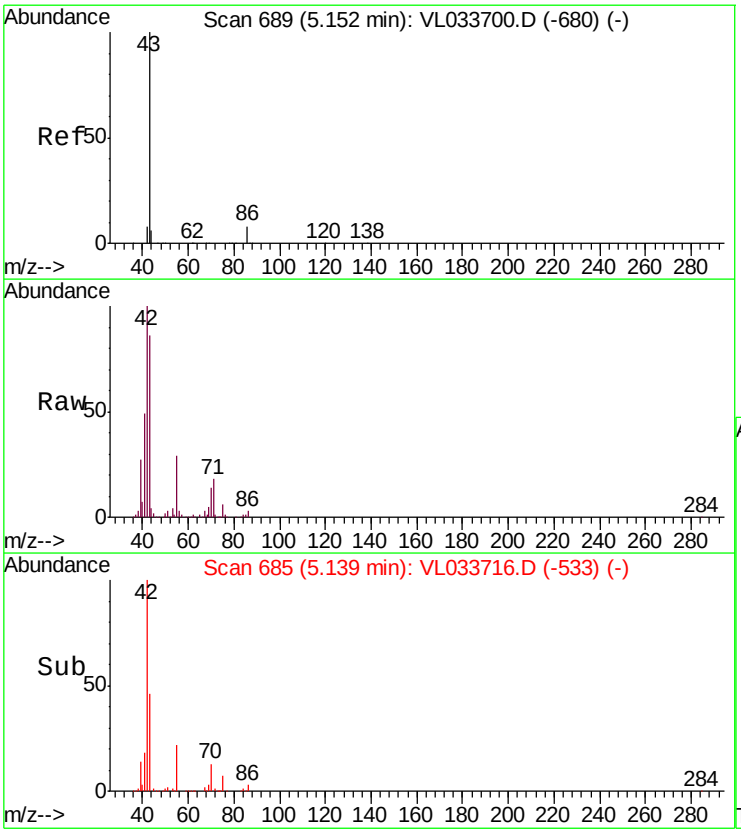
#22
trans-1,2-Dichloroethene
Concen: 0.016 ppbv
RT: 4.96 min Scan# 630
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Tgt Ion: 96 Resp: 1066

Ion	Ratio	Lower	Upper
96	100		
61	58.6	116.8	175.2#
98	75.4	49.4	74.0#

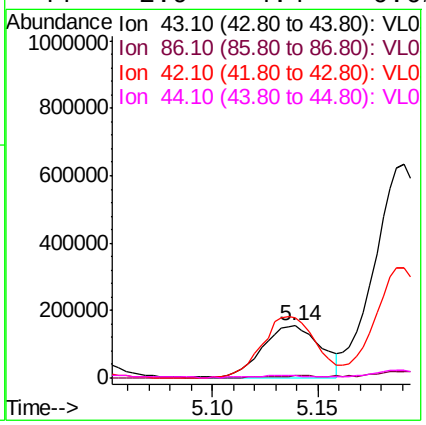


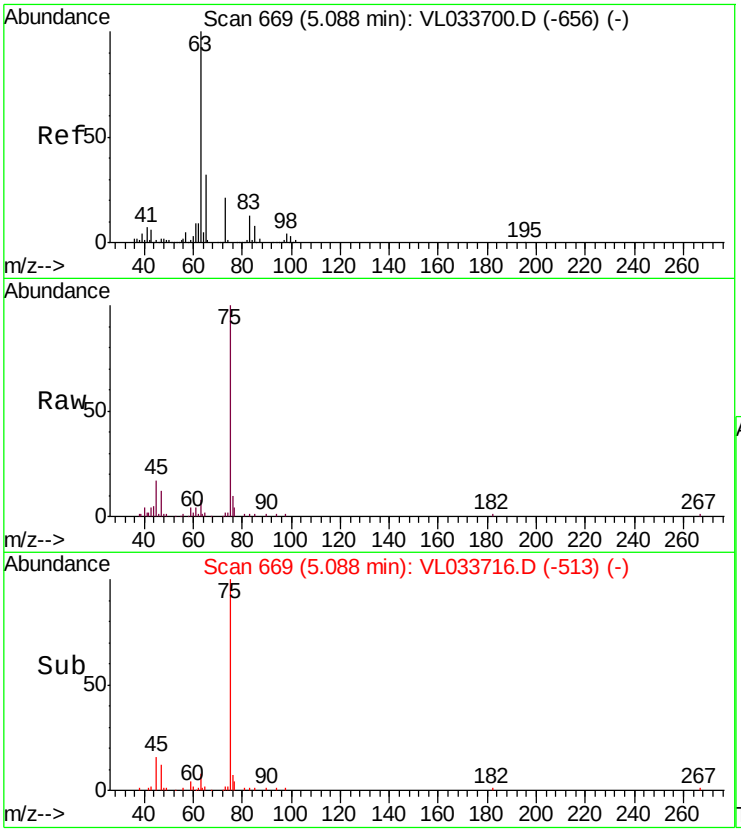


#23
Vinyl Acetate
Concen: 1.508 ppbv
RT: 5.14 min Scan# 685
Delta R.T. -0.01 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 43 Resp: 295309

Ion	Ratio	Lower	Upper
43	100		
86	3.8	6.0	9.0#
42	116.2	7.5	11.3#
44	2.9	4.4	6.6#



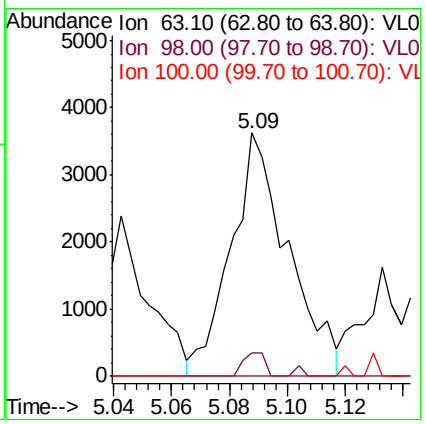


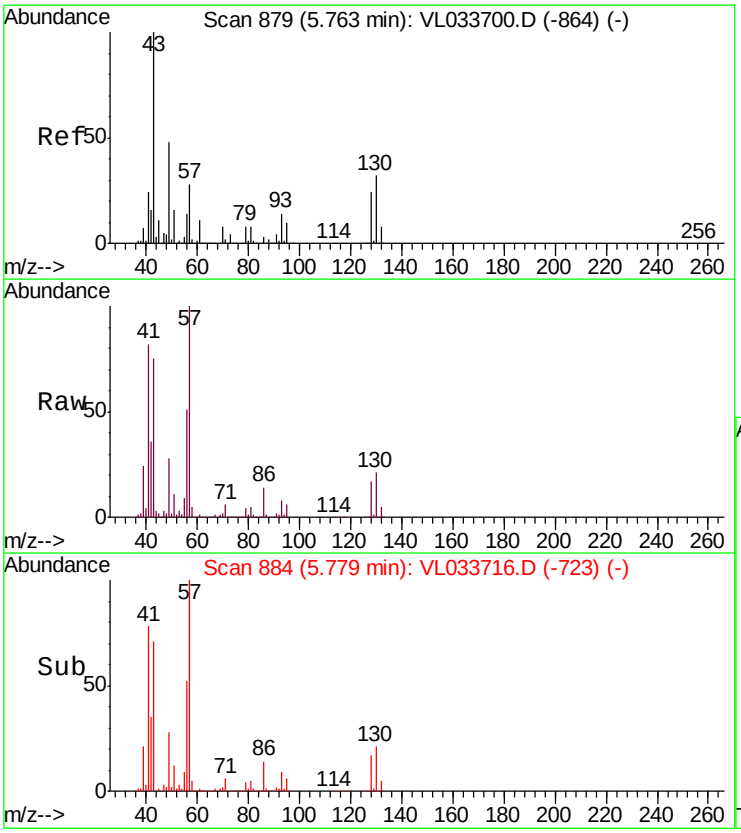
#24
1,1-Dichloroethane
Concen: 0.033 ppbv
RT: 5.09 min Scan# 669
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Tgt Ion: 63 Resp: 4947

Ion	Ratio	Lower	Upper
63	100		
98	9.7	1.8	5.5#
100	0.0	1.4	4.2#

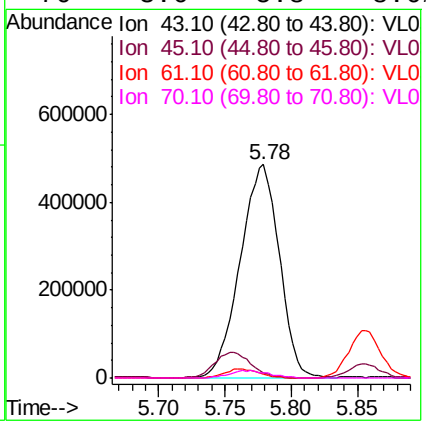


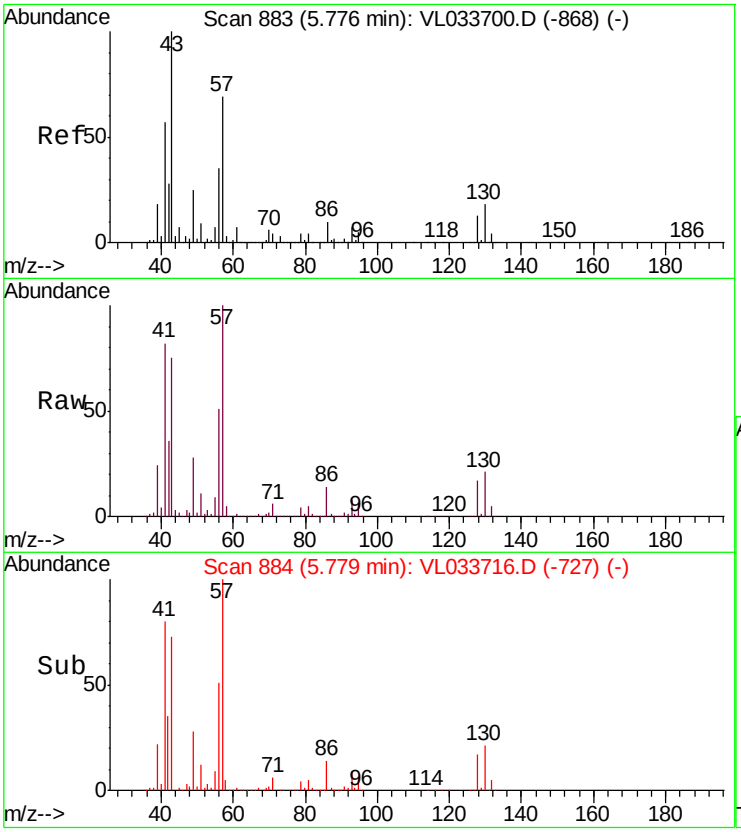


#25
Ethyl Acetate
Concen: 3.810 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.02 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 43 Resp: 994333

Ion	Ratio	Lower	Upper
43	100		
45	11.2	7.9	11.9
61	3.9	7.7	11.5#
70	3.6	5.8	8.6#



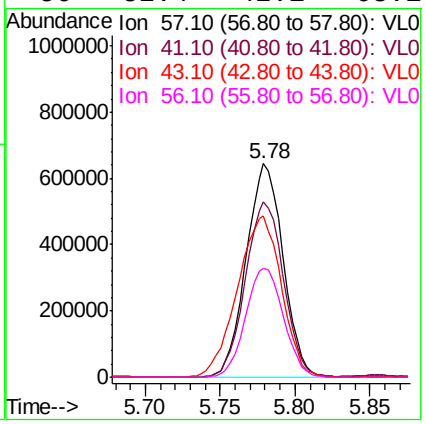


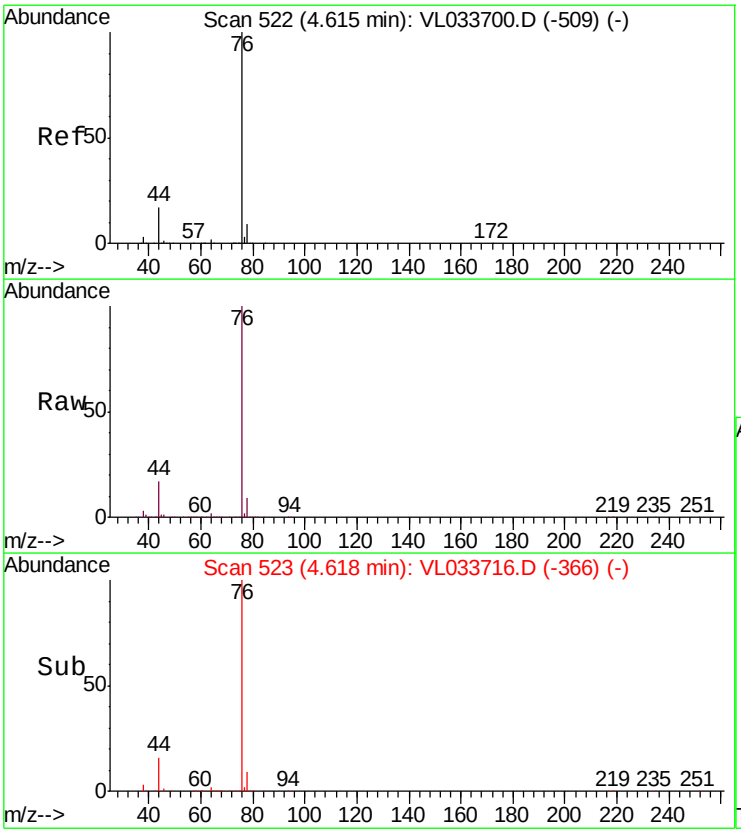
#26
Hexane
Concen: 9.869 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Tgt Ion: 57 Resp: 1107234

Ion	Ratio	Lower	Upper
57	100		
41	85.0	69.8	104.6
43	89.8	181.8	272.6#
56	52.4	42.1	63.1

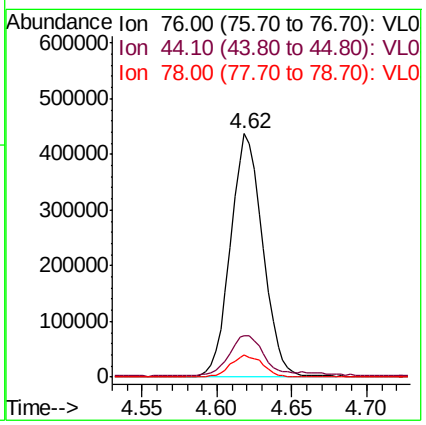


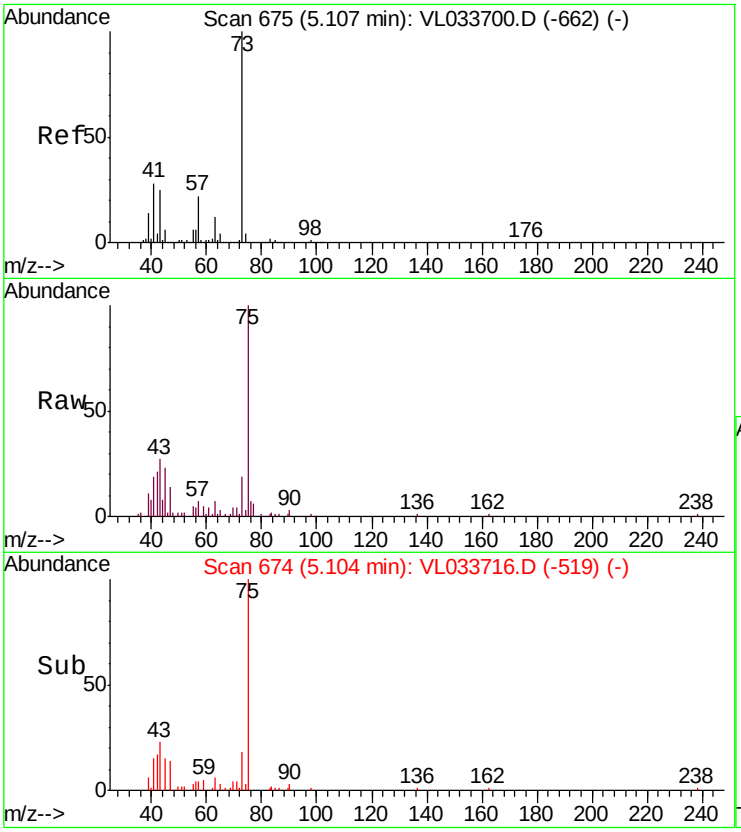


#27
Carbon Disulfide
Concen: 4.278 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 76 Resp: 658434

Ion	Ratio	Lower	Upper
76	100		
44	19.5	13.8	20.8
78	9.0	7.4	11.0



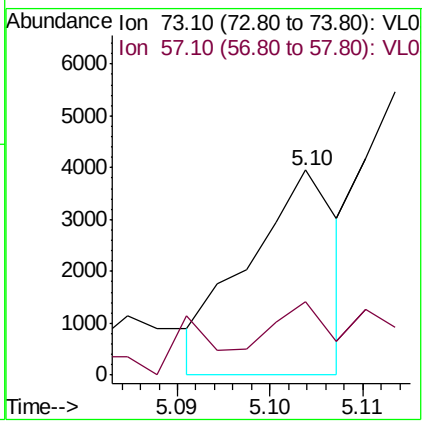


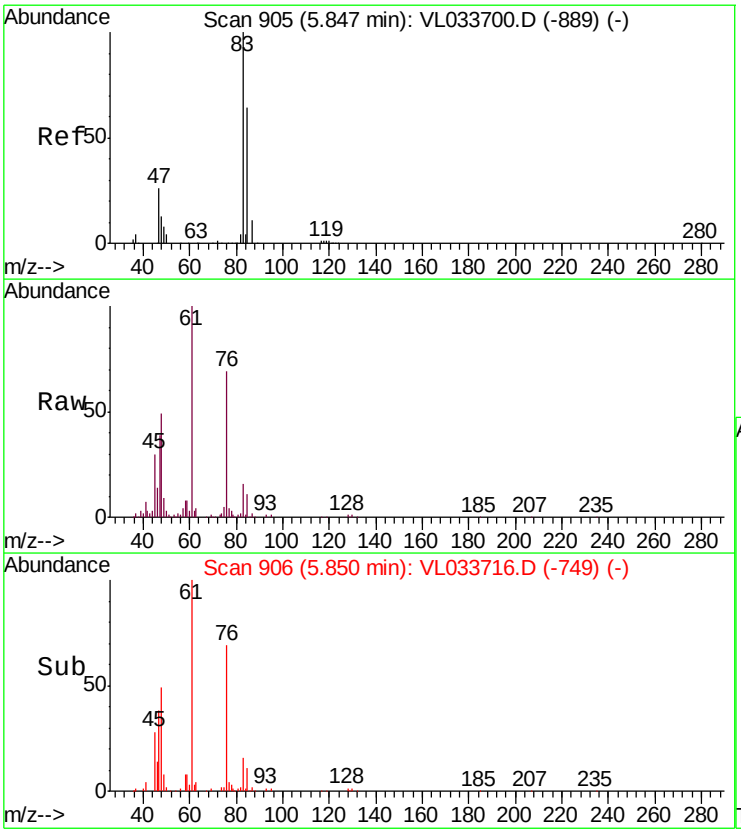
#28
Methyl tert-Butyl Ether
Concen: 0.014 ppbv
RT: 5.10 min Scan# 674
Delta R.T. -0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Tgt Ion: 73 Resp: 2646

Ion	Ratio	Lower	Upper
73	100		
57	0.0	17.4	26.2#

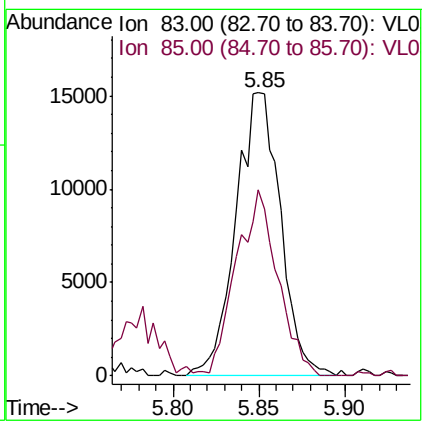


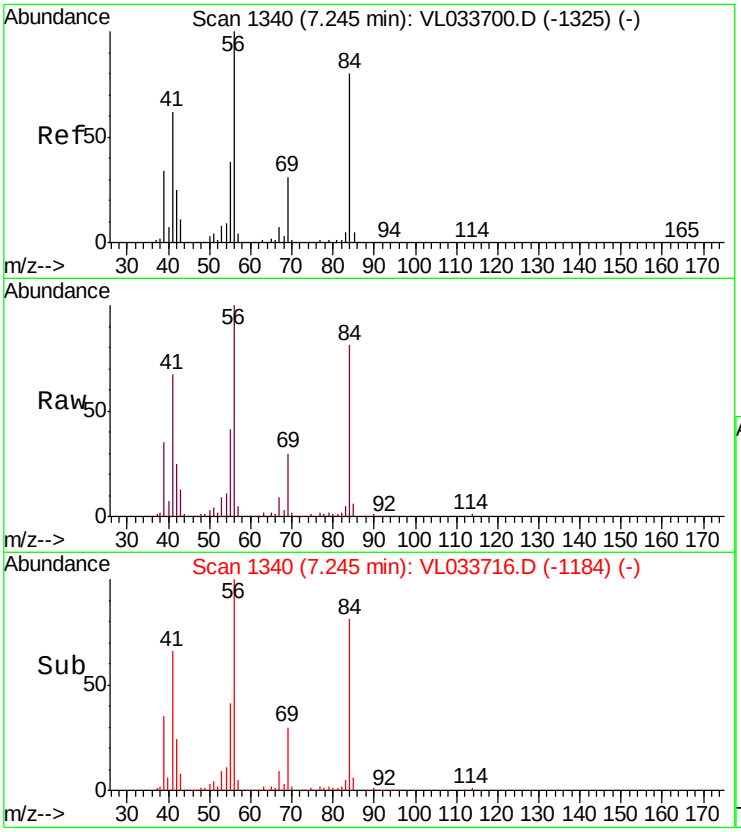


#29
Chloroform
Concen: 0.132 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 83 Resp: 27376

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.5	77.3



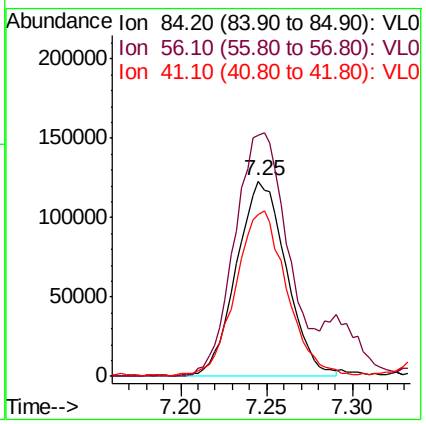


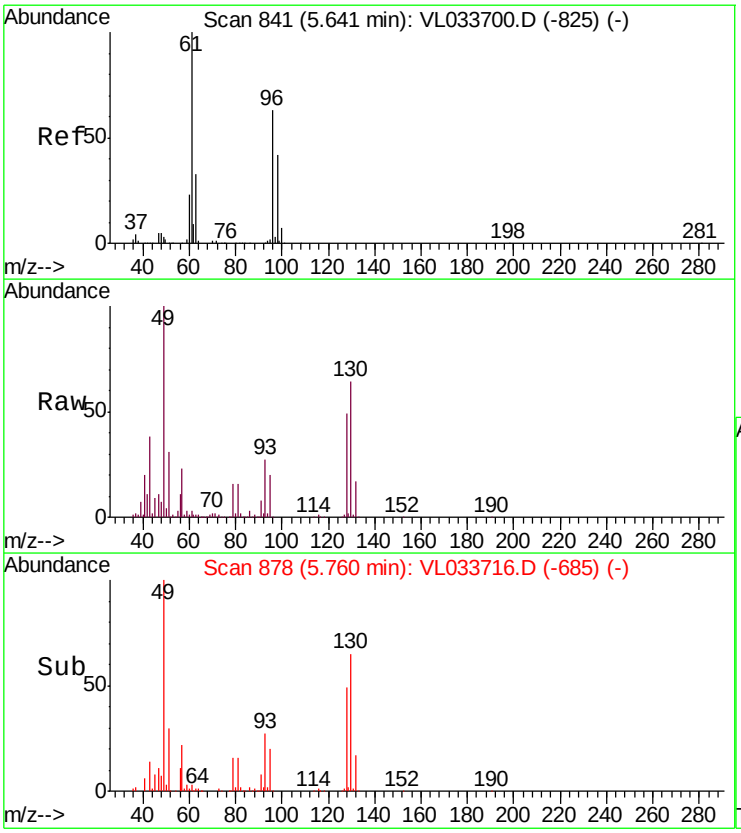
#30
Cyclohexane
Concen: 2.605 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tgt Ion: 84 Resp: 245739

Ion	Ratio	Lower	Upper
84	100		
56	157.1	107.7	161.5
41	85.9	66.0	99.0

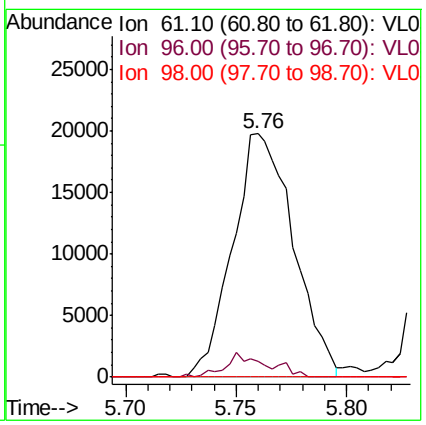


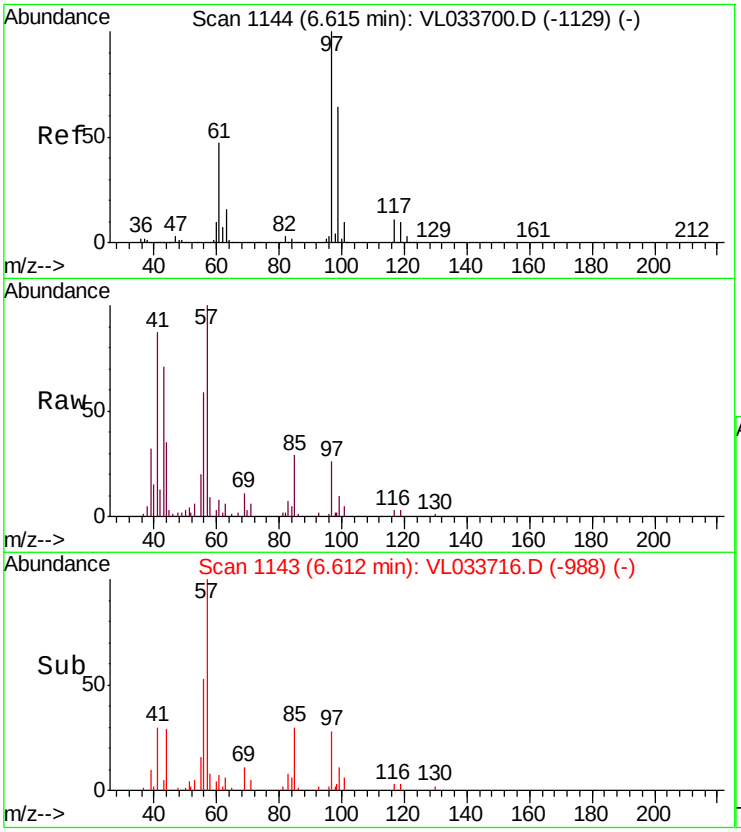


#31
cis-1,2-Dichloroethene
Concen: 0.341 ppbv
RT: 5.76 min Scan# 878
Delta R.T. 0.12 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 61 Resp: 37886

Ion	Ratio	Lower	Upper
61	100		
96	6.6	50.8	76.2#
98	0.0	33.3	49.9#



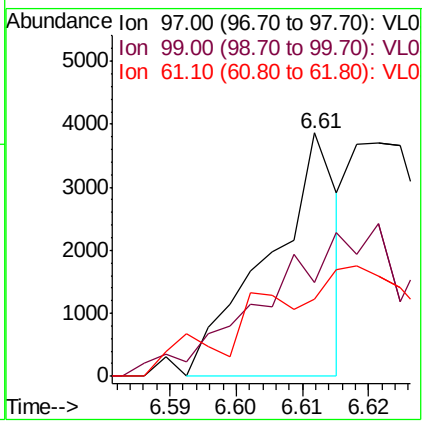


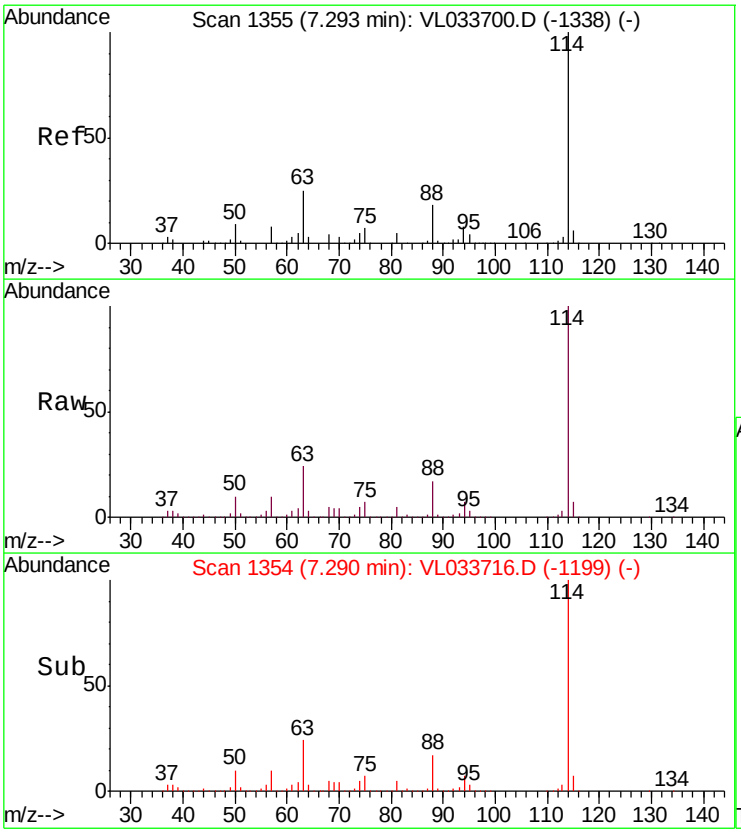
#32
1,1,1-Trichloroethane
Concen: 0.014 ppbv
RT: 6.61 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Tgt Ion: 97 Resp: 2799

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.5	77.3#
61	0.0	37.8	56.8#

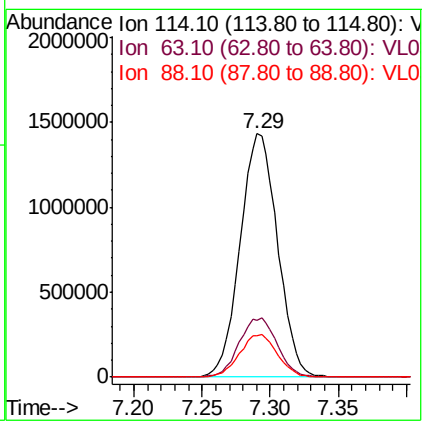


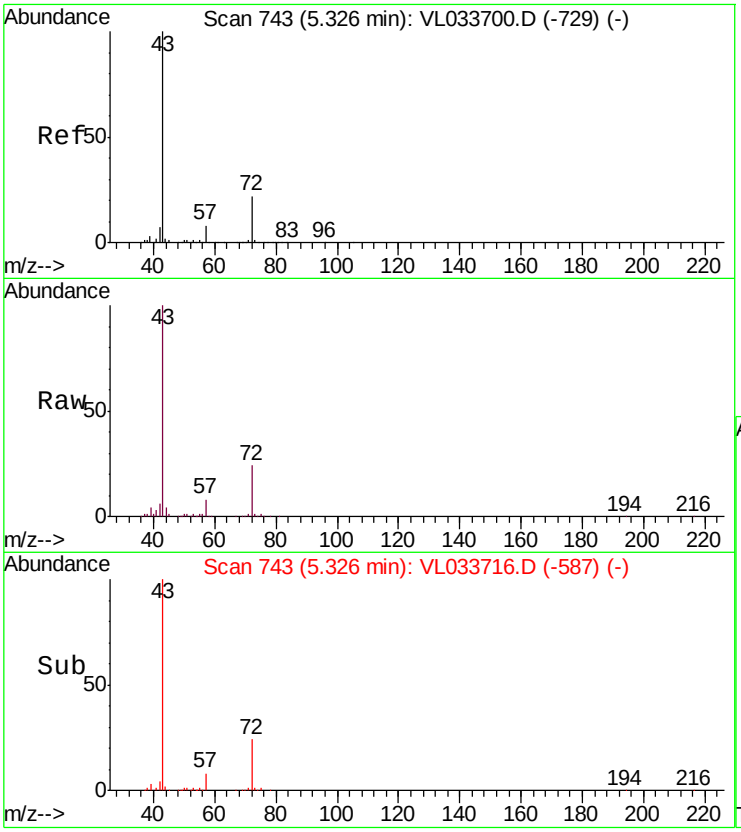


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion:114 Resp: 2725983

Ion	Ratio	Lower	Upper
114	100		
63	24.9	20.9	31.3
88	17.5	14.3	21.5



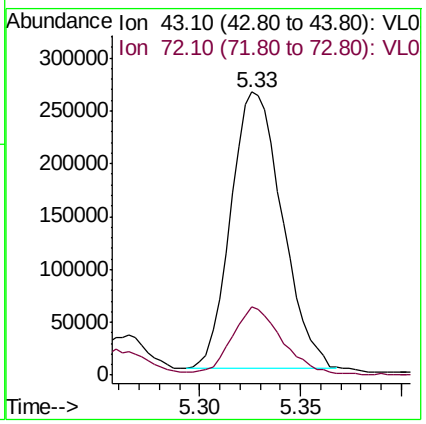


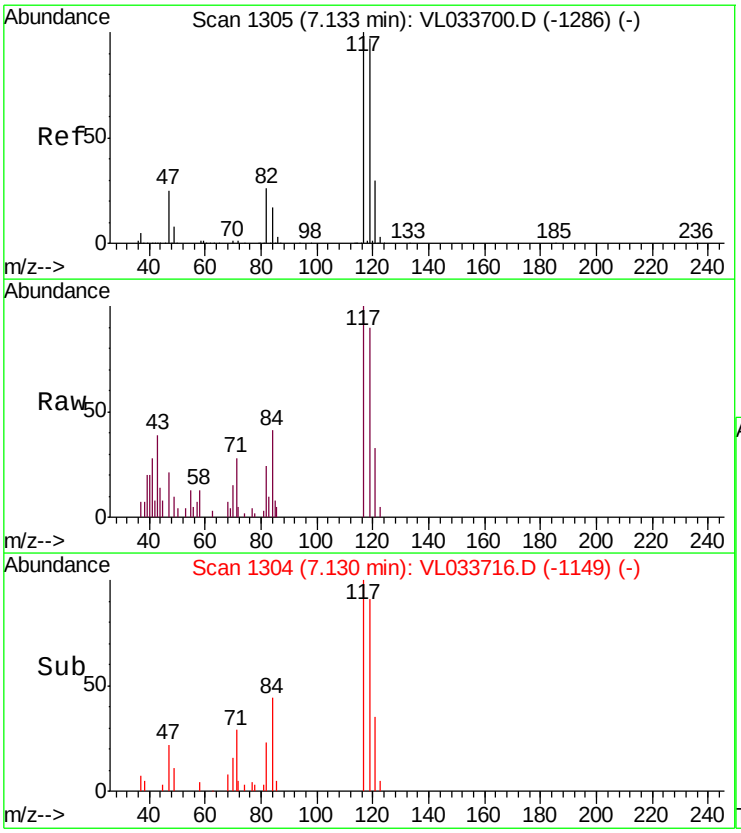
#34
2-Butanone
Concen: 2.746 ppbv
RT: 5.33 min Scan# 743
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Tgt Ion: 43 Resp: 464022

Ion	Ratio	Lower	Upper
43	100		
72	24.1	17.8	26.6

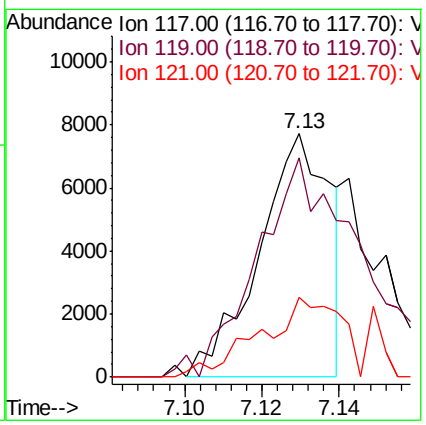


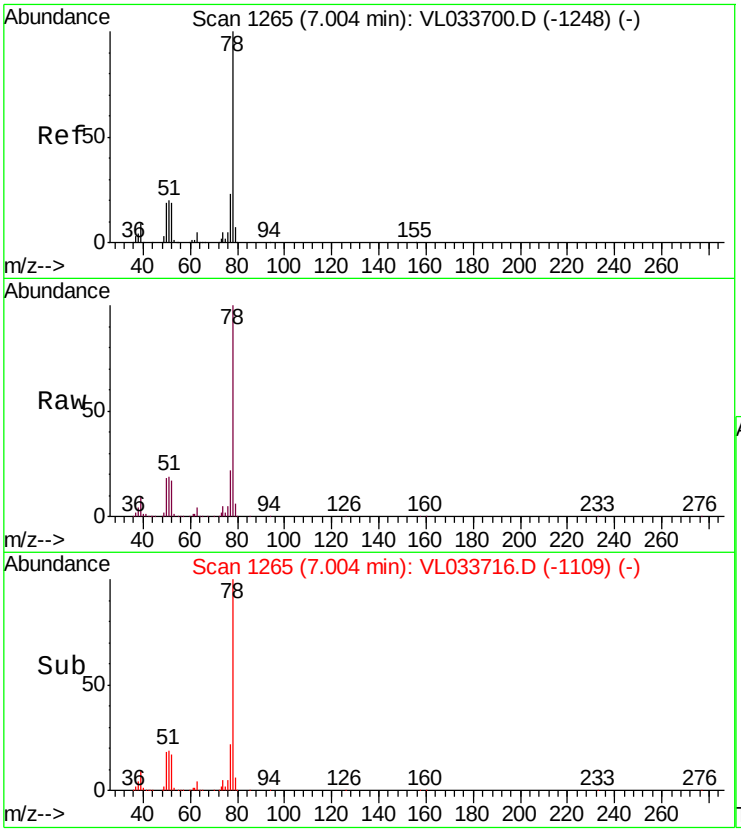


#35
Carbon Tetrachloride
Concen: 0.045 ppbv
RT: 7.13 min Scan# 1304
Delta R.T. -0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion:117 Resp: 9855

Ion	Ratio	Lower	Upper
117	100		
119	80.8	77.2	115.8
121	30.7	24.1	36.1



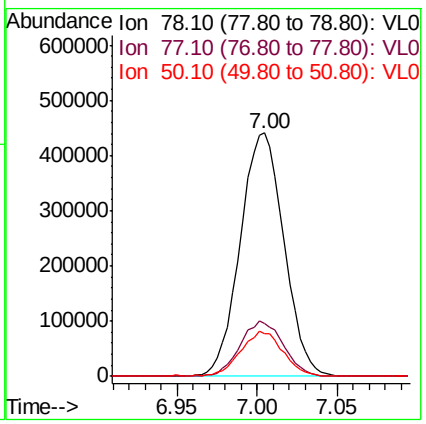


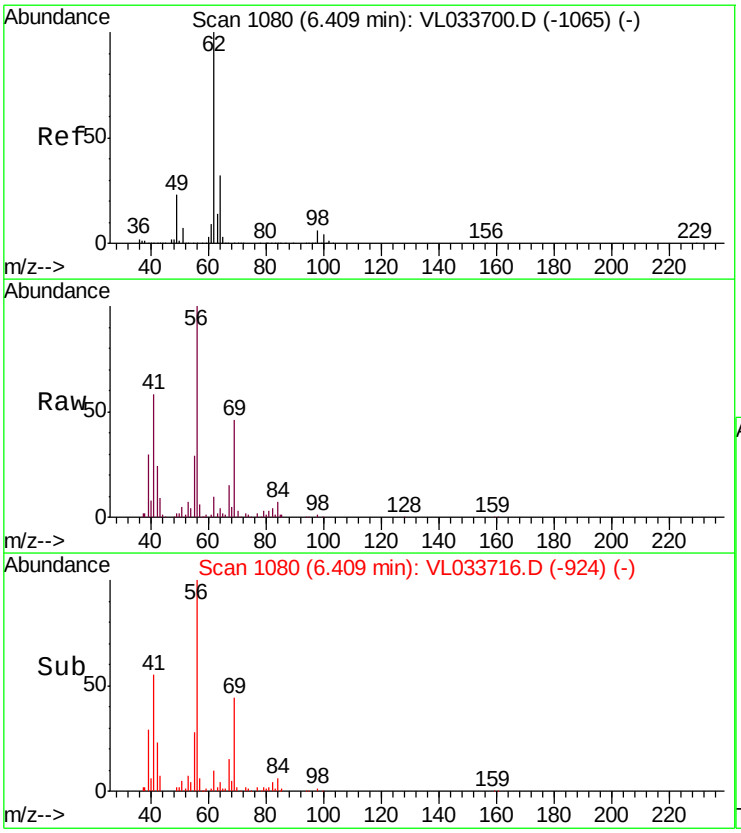
#36
Benzene
Concen: 3.310 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tgt Ion: 78 Resp: 820785

Ion	Ratio	Lower	Upper
78	100		
77	21.4	18.4	27.6
50	17.5	15.5	23.3

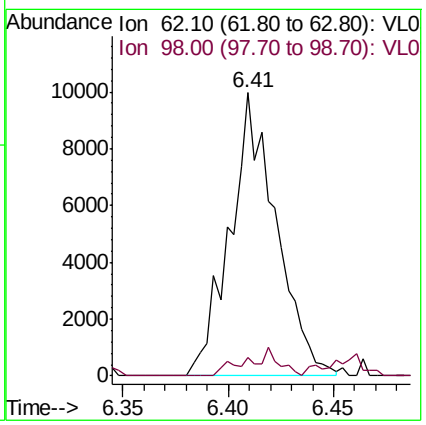


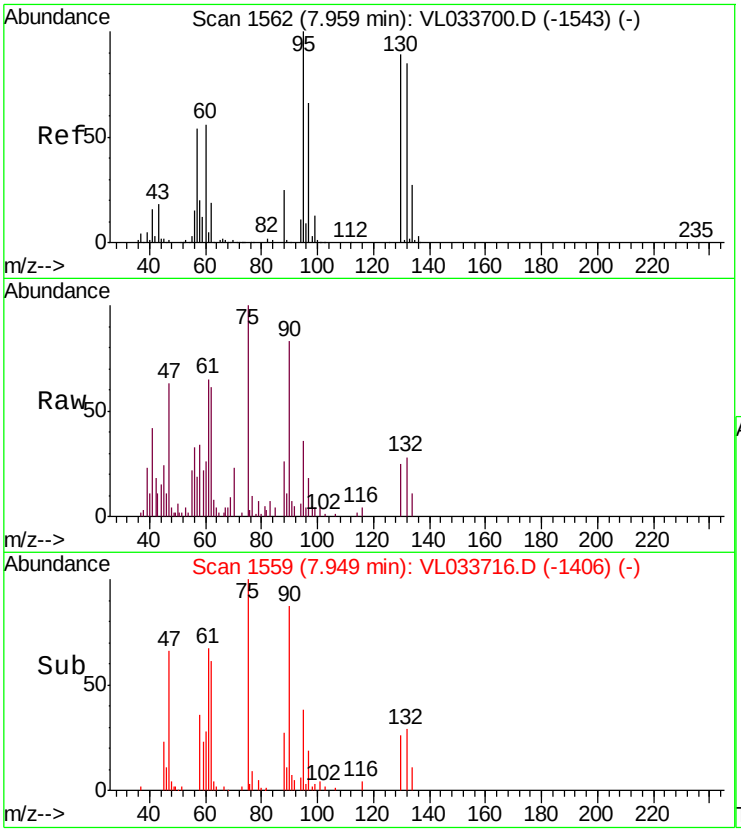


#37
1,2-Dichloroethane
Concen: 0.095 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 62 Resp: 15180

Ion	Ratio	Lower	Upper
62	100		
98	8.4	4.5	6.7#



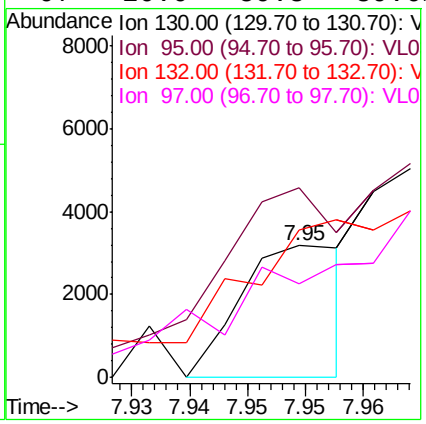


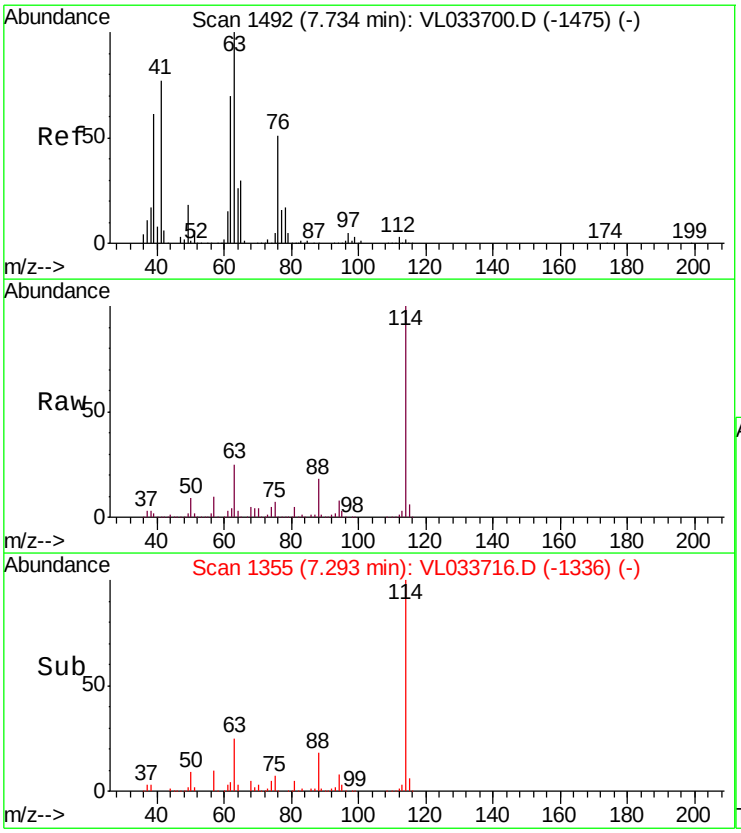
#38
Trichloroethene
Concen: 0.022 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.01 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Tgt Ion:130 Resp: 2020

Ion	Ratio	Lower	Upper
130	100		
95	100.3	90.2	135.4
132	85.3	76.4	114.6
97	20.0	59.8	89.6#

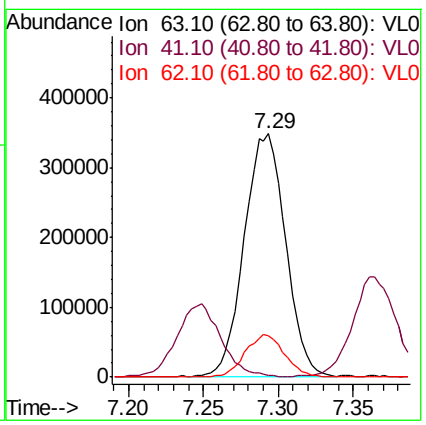


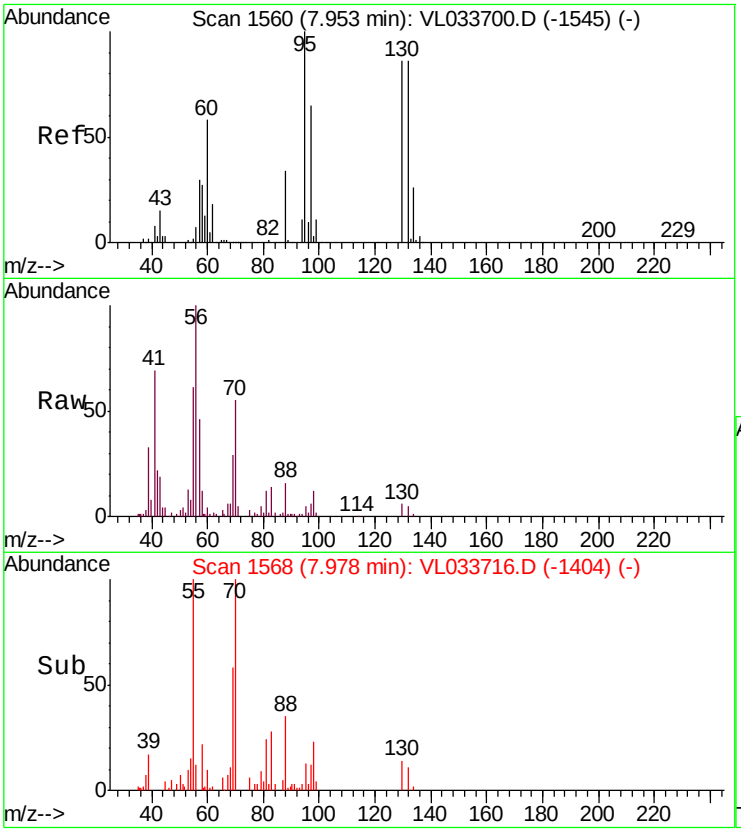


#39
1,2-Dichloropropane
Concen: 7.217 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.44 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 63 Resp: 667216

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.5	92.3#
62	17.1	56.2	84.4#



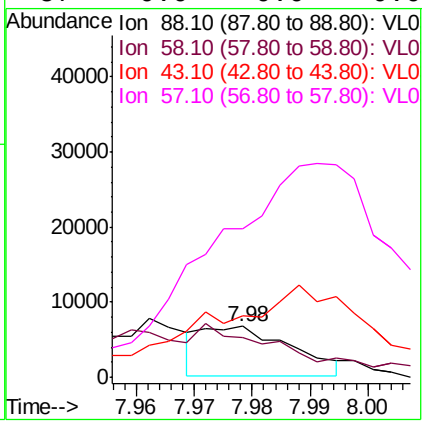


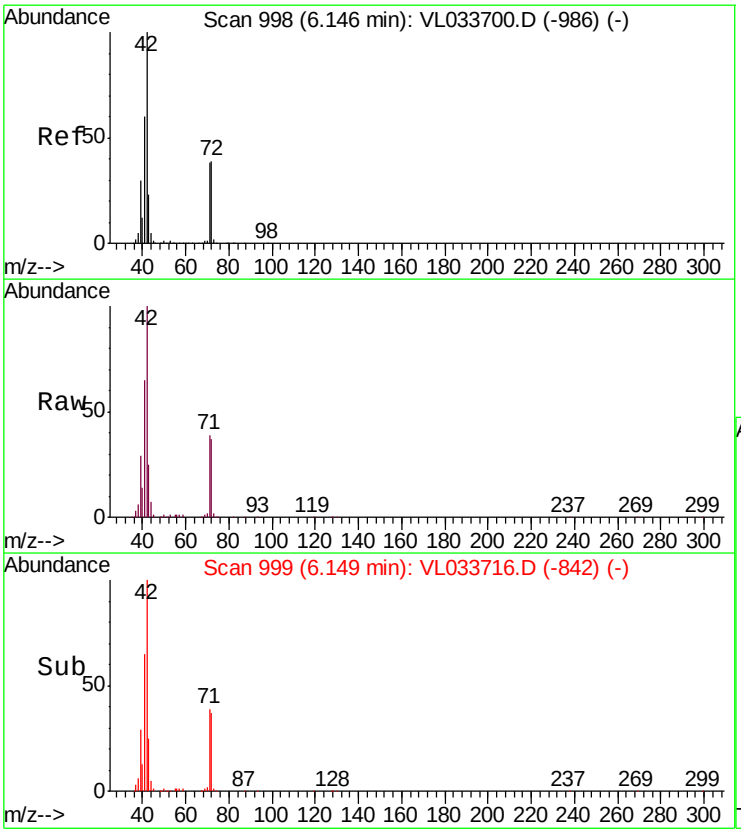
#40
1,4-Dioxane
Concen: 0.181 ppbv
RT: 7.98 min Scan# 1568
Delta R.T. 0.03 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Tgt Ion: 88 Resp: 7005

Ion	Ratio	Lower	Upper
88	100		
58	254.0	101.8	152.6#
43	0.0	0.0	0.0
57	0.0	0.0	0.0

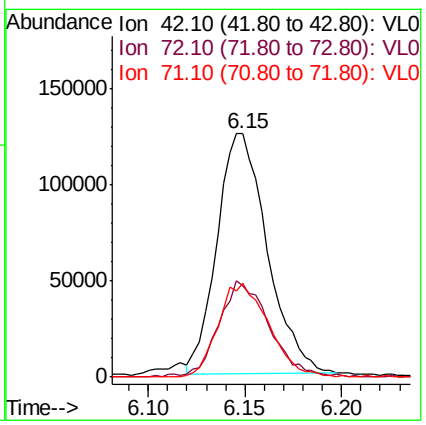


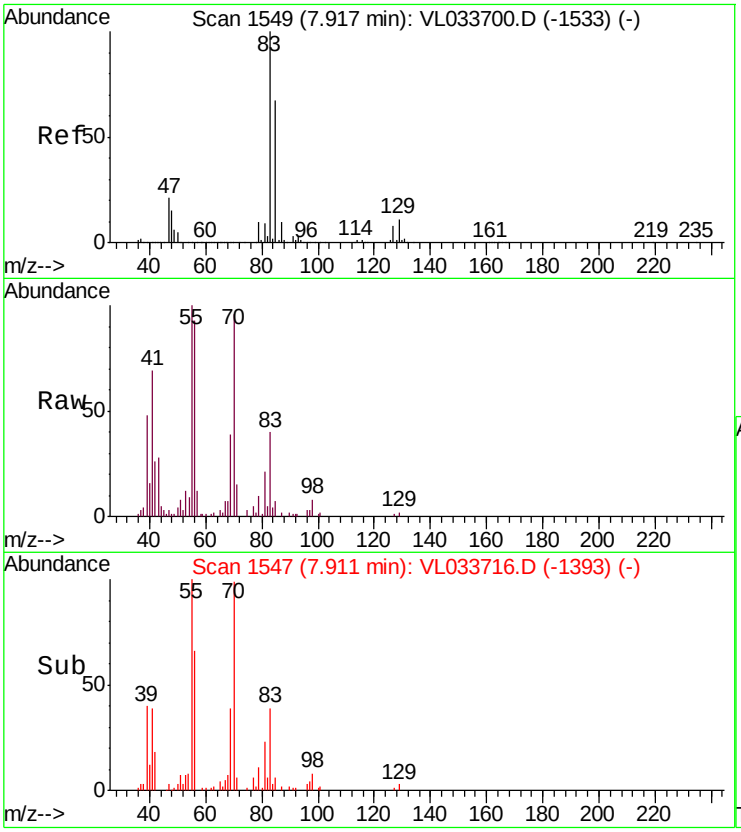


#41
Tetrahydrofuran
Concen: 2.396 ppbv
RT: 6.15 min Scan# 999
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 42 Resp: 226826

Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.0	48.0
71	39.7	30.4	45.6



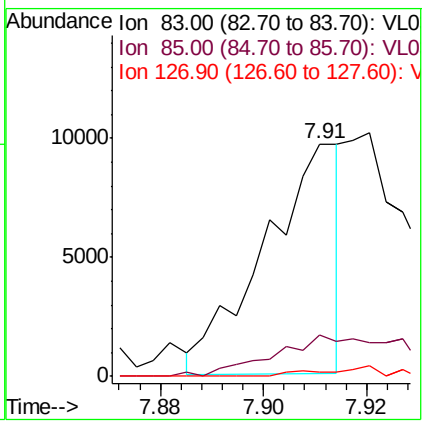


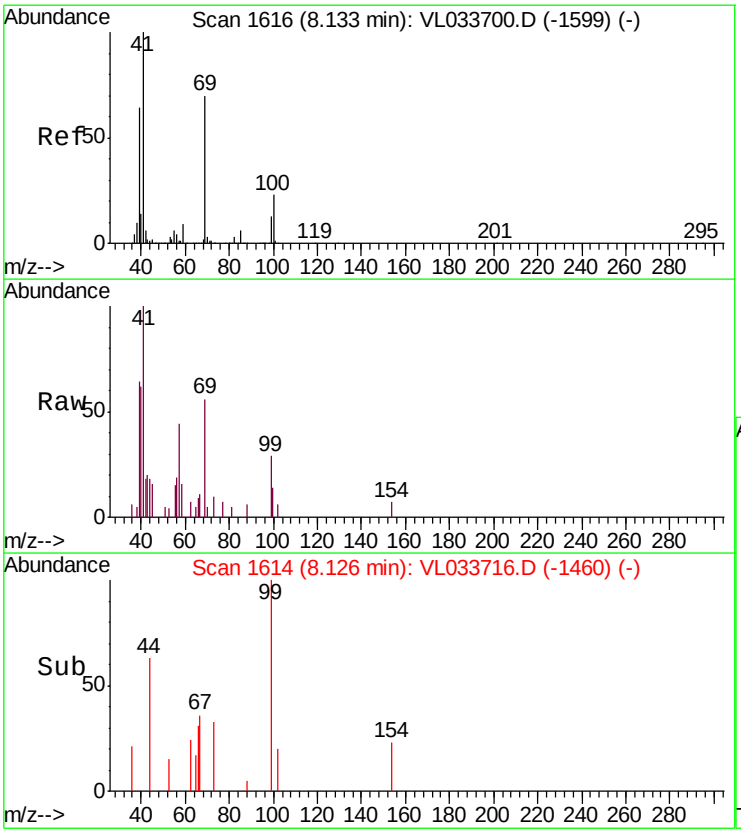
#42
Bromodichloromethane
Concen: 0.045 ppbv
RT: 7.91 min Scan# 1547
Delta R.T. -0.01 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Tgt Ion: 83 Resp: 9816

Ion	Ratio	Lower	Upper
83	100		
85	17.9	53.3	79.9#
127	2.0	6.5	9.7#

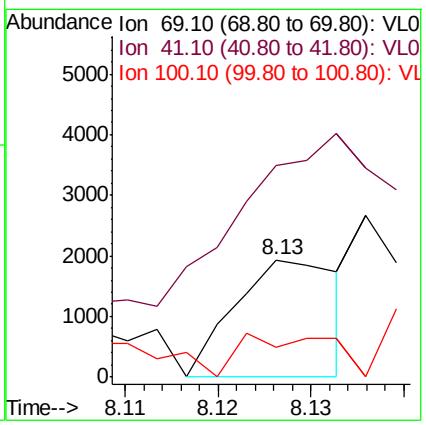


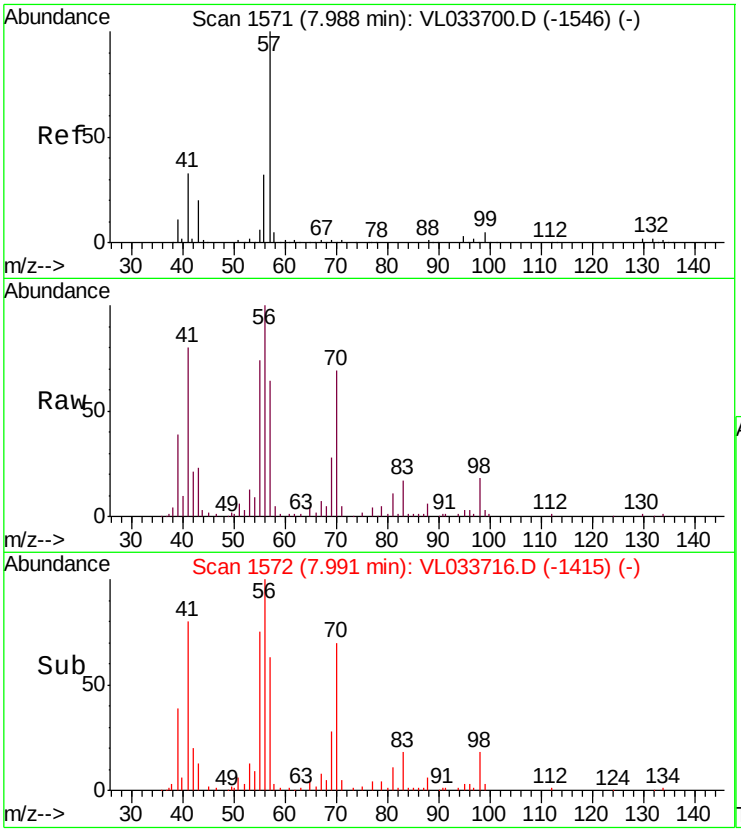


#43
Methyl Methacrylate
Concen: 0.016 ppbv
RT: 8.13 min Scan# 1614
Delta R.T. -0.01 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 69 Resp: 1497

Ion	Ratio	Lower	Upper
69	100		
41	0.0	116.3	174.5#
100	0.0	25.3	37.9#



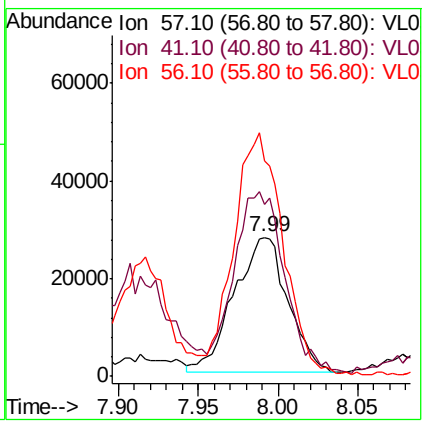


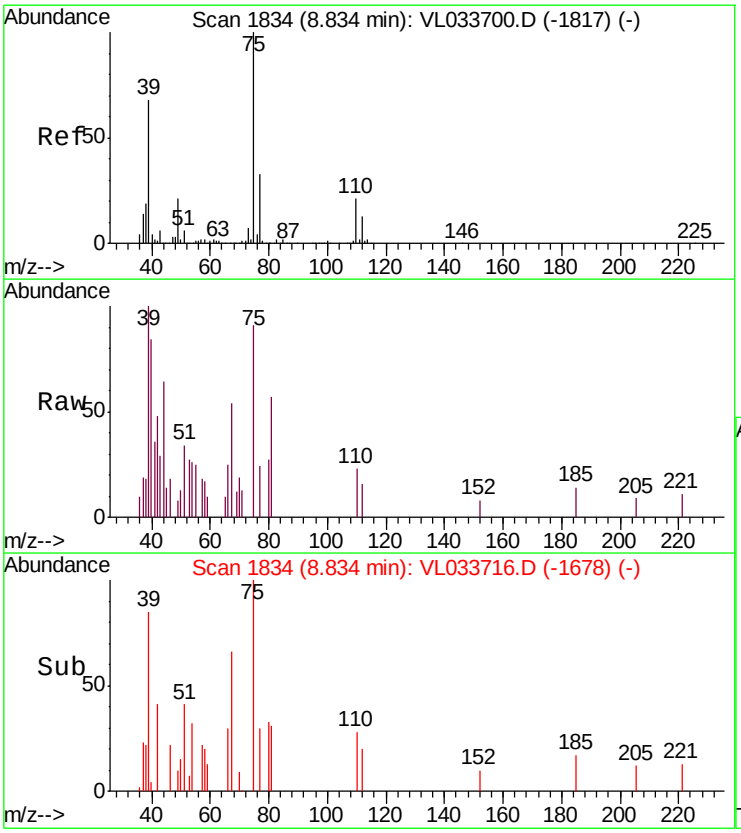
#44
2,2,4-Trimethylpentane
Concen: 0.153 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tgt Ion: 57 Resp: 64266

Ion	Ratio	Lower	Upper
57	100		
41	124.2	25.4	38.0#
56	160.3	24.7	37.1#

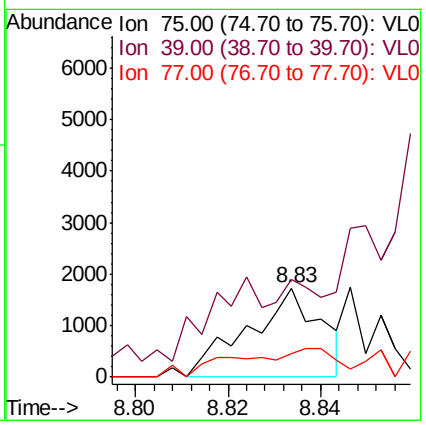


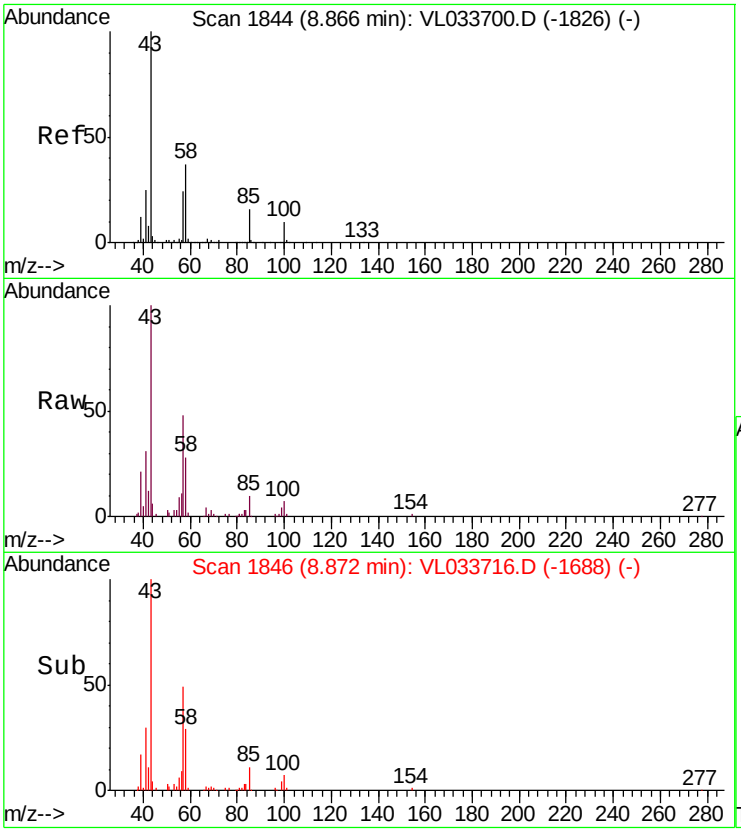


#46
cis-1,3-Dichloropropene
Concen: 0.014 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 75 Resp: 1879

Ion	Ratio	Lower	Upper
75	100		
39	42.0	54.4	81.6#
77	26.8	26.6	39.8



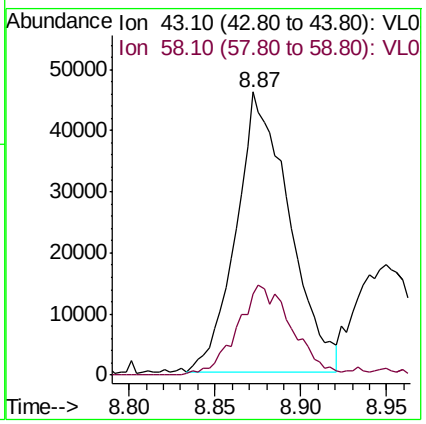


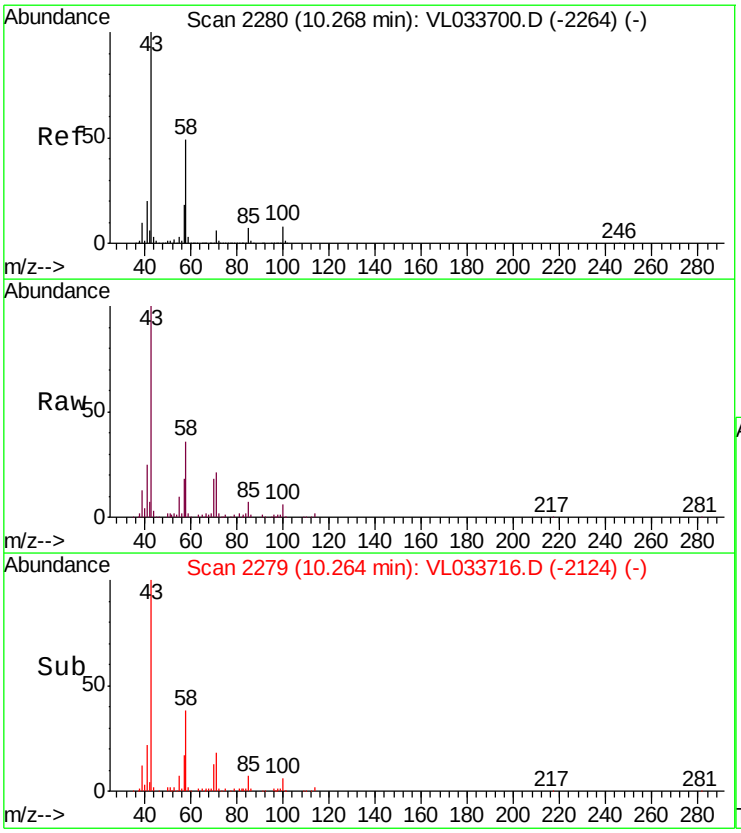
#50
4-Methyl-2-Pentanone
Concen: 0.381 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. 0.01 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Tgt Ion: 43 Resp: 99023

Ion	Ratio	Lower	Upper
43	100		
58	33.3	28.6	43.0

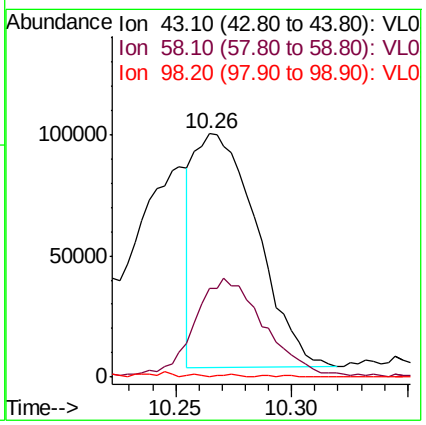


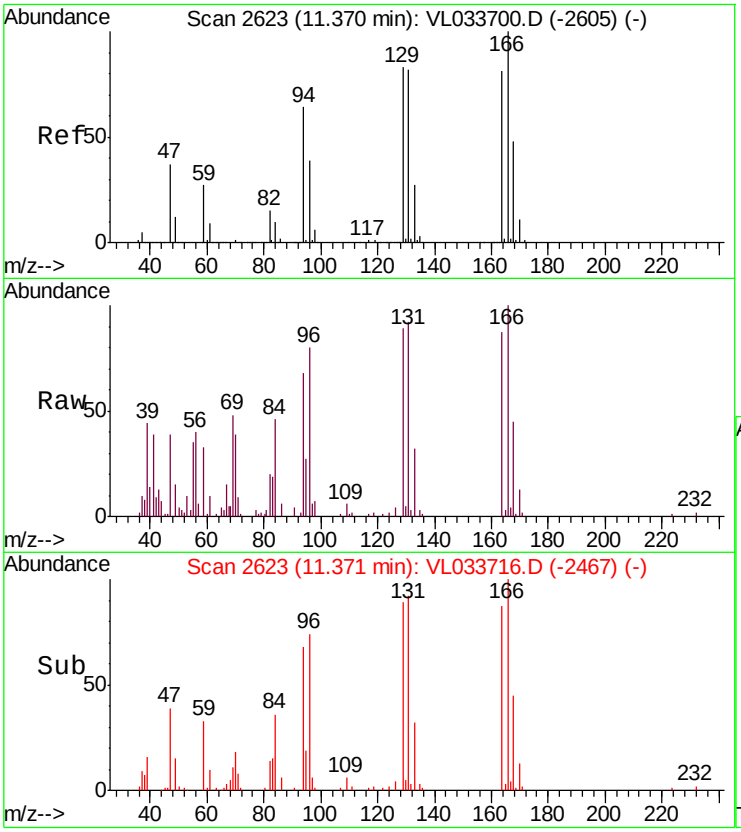


#51
2-Hexanone
Concen: 0.898 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. -0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 43 Resp: 182202

Ion	Ratio	Lower	Upper
43	100		
58	47.5	38.7	58.1
98	0.0	0.2	0.4#



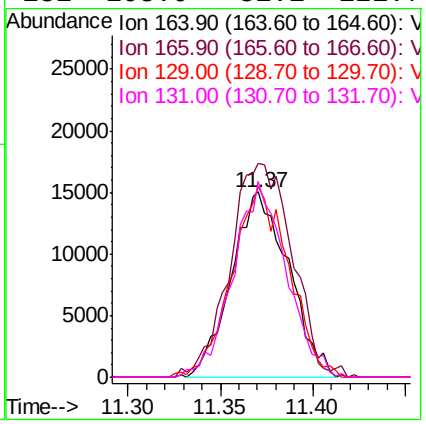


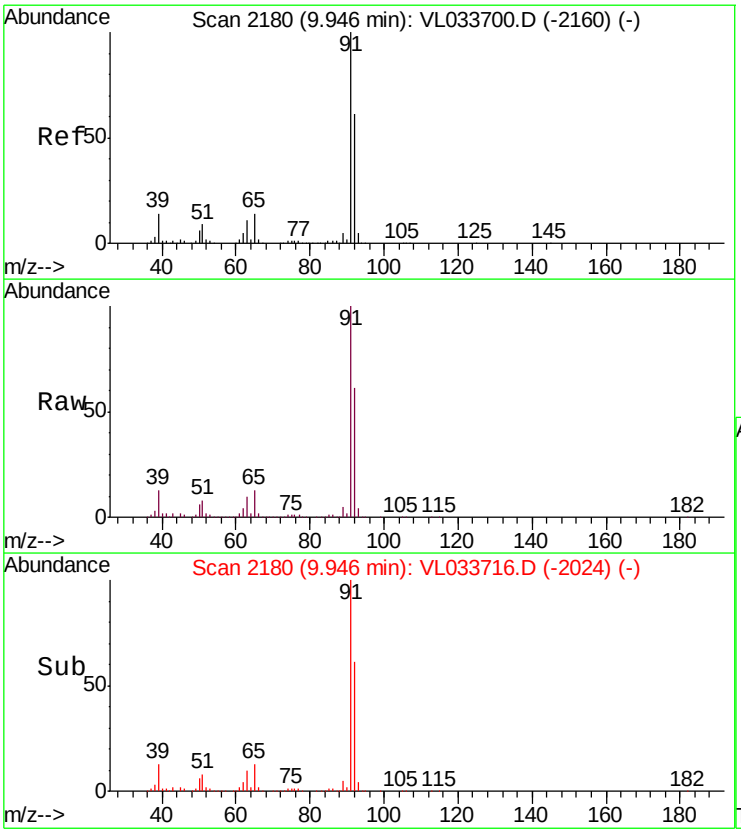
#52
Tetrachloroethene
Concen: 0.370 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Tgt Ion:164 Resp: 32281

Ion	Ratio	Lower	Upper
164	100		
166	116.6	98.9	148.3
129	101.7	81.8	122.6
131	108.0	81.1	121.7

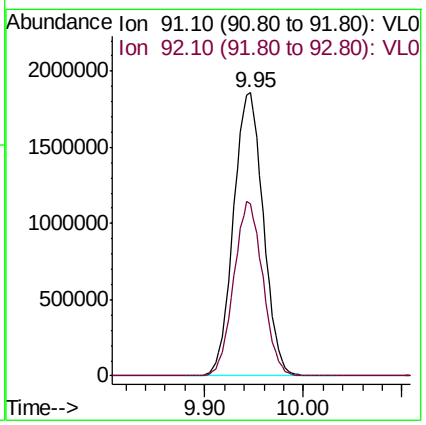


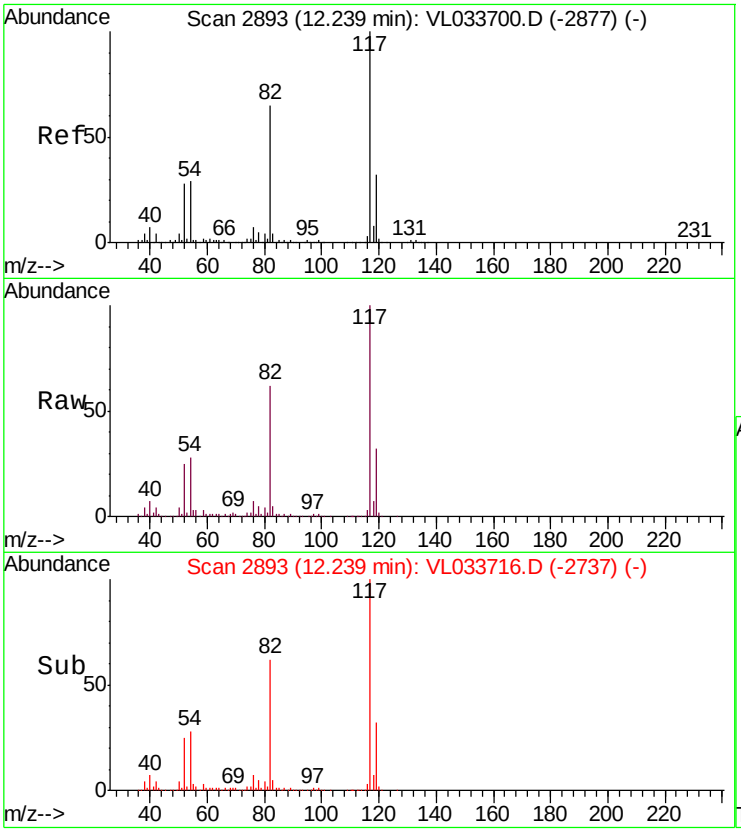


#53
Toluene
Concen: 14.551 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 91 Resp: 3891878

Ion	Ratio	Lower	Upper
91	100		
92	60.0	47.6	71.4



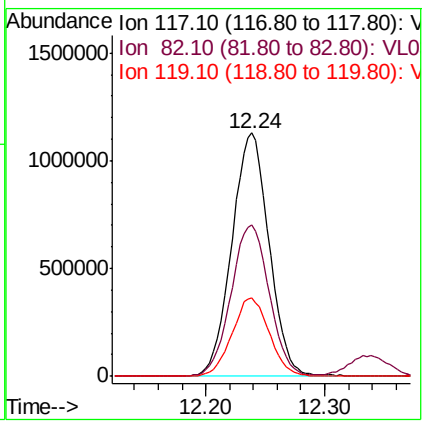


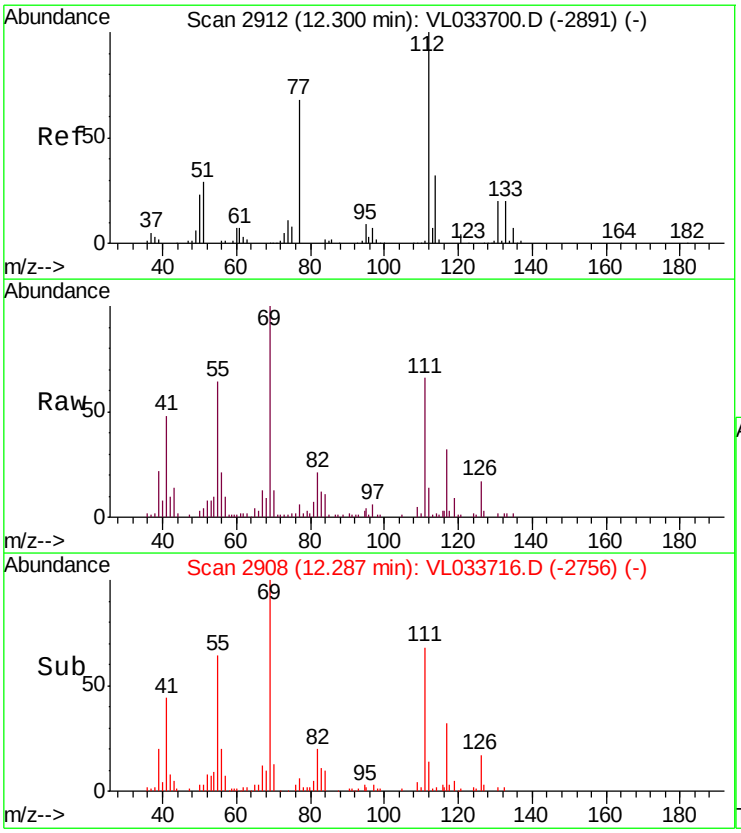
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Tgt Ion:117 Resp: 2438286

Ion	Ratio	Lower	Upper
117	100		
82	64.2	49.4	74.0
119	32.4	24.9	37.3

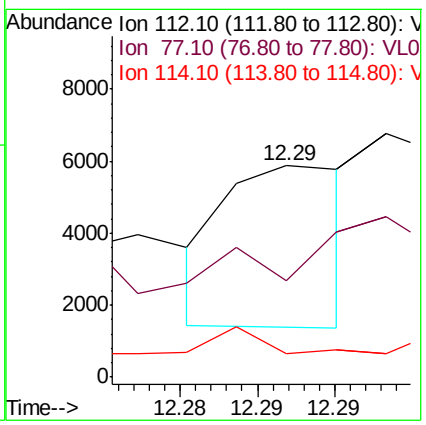


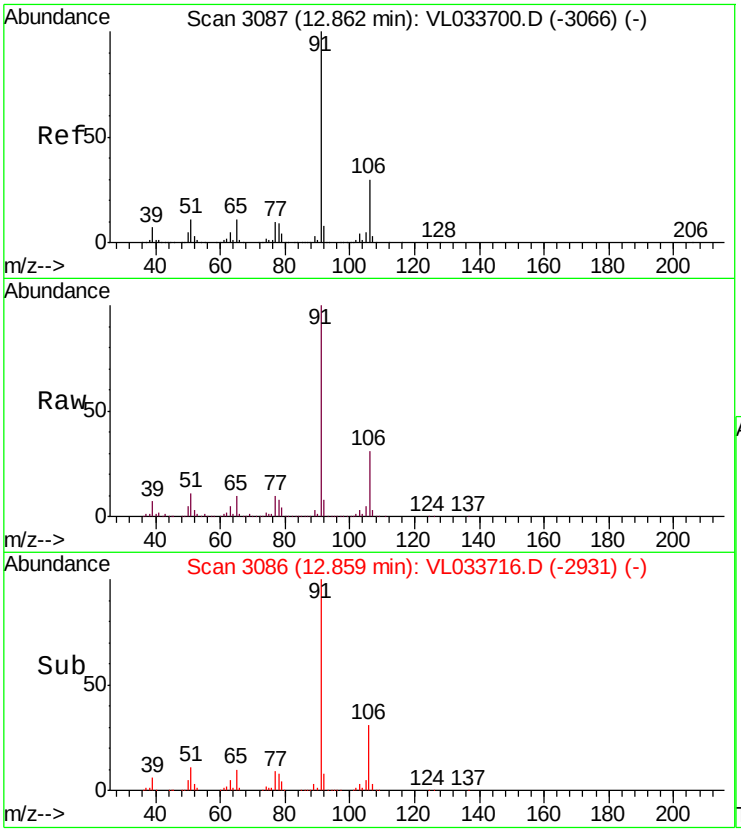


#57
Chlorobenzene
Concen: 0.012 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. -0.01 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion:112 Resp: 2478

Ion	Ratio	Lower	Upper
112	100		
77	3.3	55.4	83.0#
114	0.0	29.3	35.8#



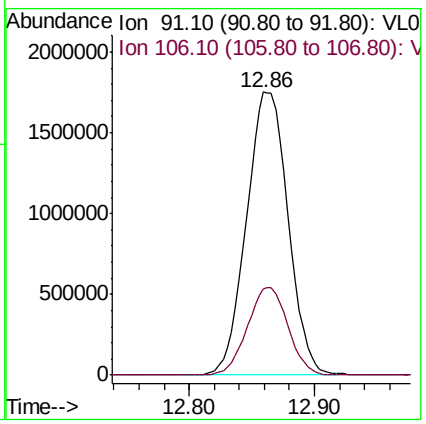


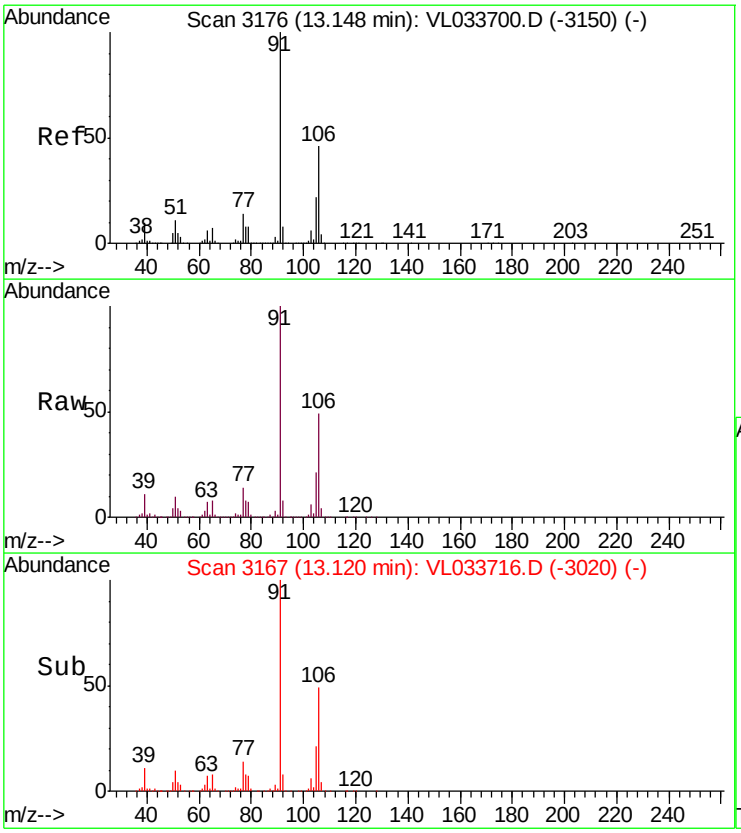
#58
Ethyl Benzene
Concen: 12.512 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Tgt Ion: 91 Resp: 4040105

Ion	Ratio	Lower	Upper
91	100		
106	30.6	23.9	35.9

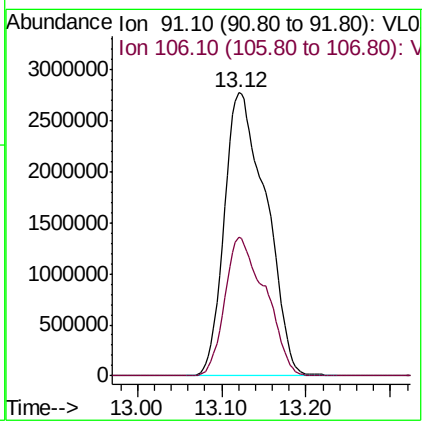


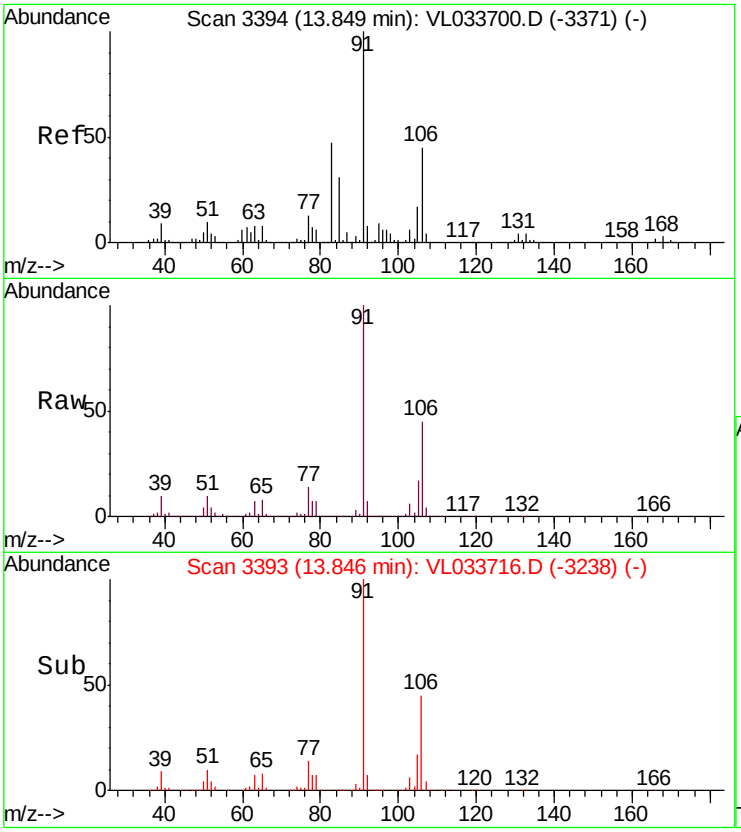


#59
m/p-Xylene
Concen: 33.808 ppbv
RT: 13.12 min Scan# 3167
Delta R.T. -0.03 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 91 Resp: 9542638

Ion	Ratio	Lower	Upper
91	100		
106	47.6	35.8	53.6



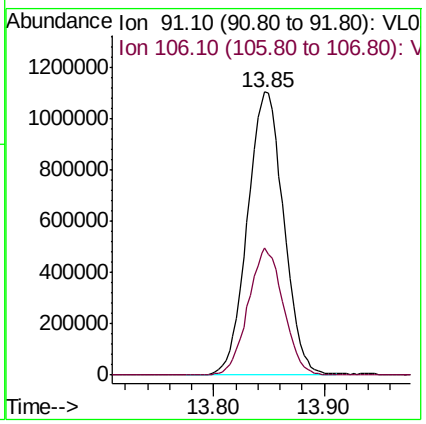


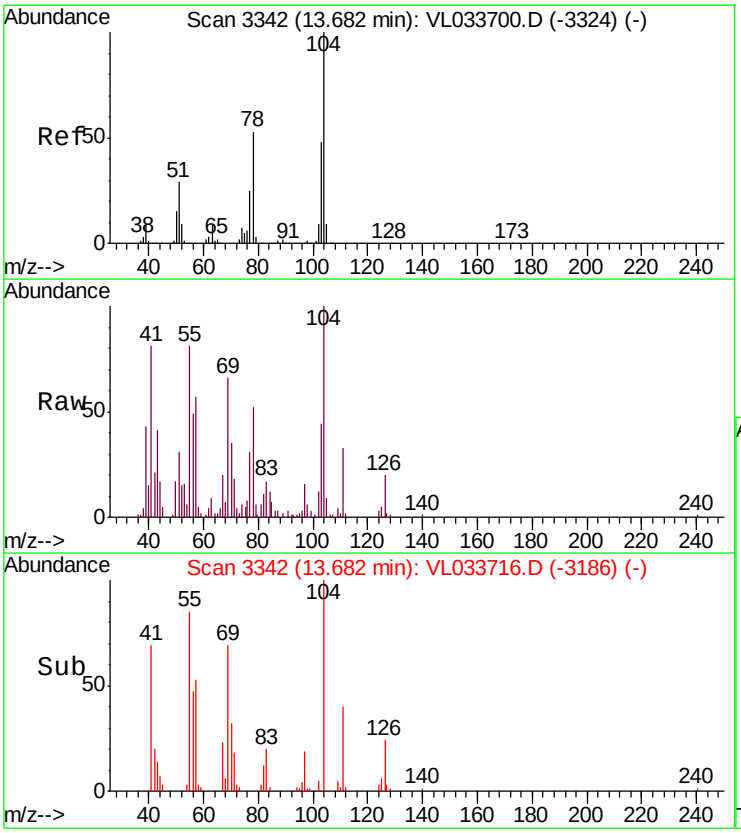
#60
o-Xylene
Concen: 8.795 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tgt Ion: 91 Resp: 2502366

Ion	Ratio	Lower	Upper
91	100		
106	44.0	21.6	64.8

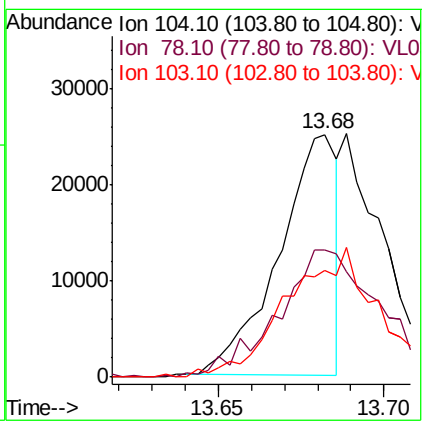


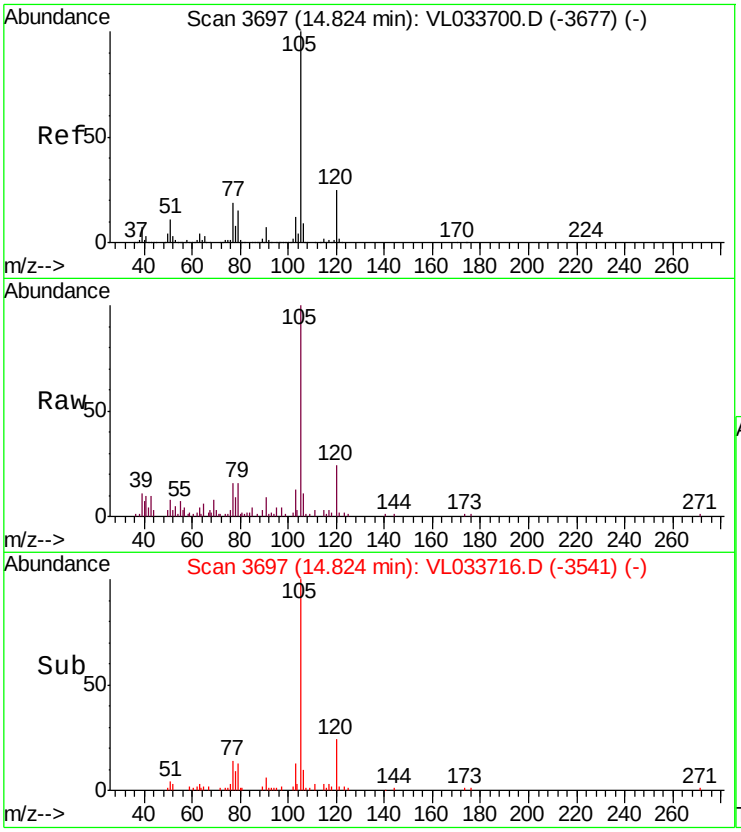


#61
Styrene
Concen: 0.160 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion:104 Resp: 30704

Ion	Ratio	Lower	Upper
104	100		
78	97.3	42.6	64.0#
103	0.0	37.8	56.6#



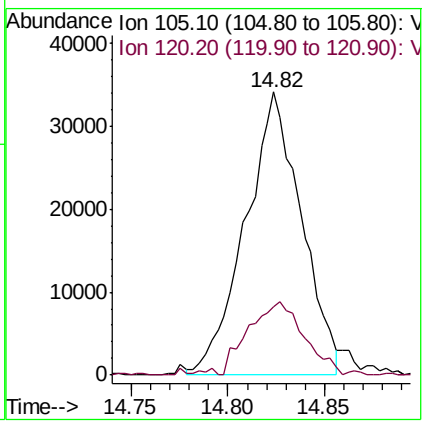


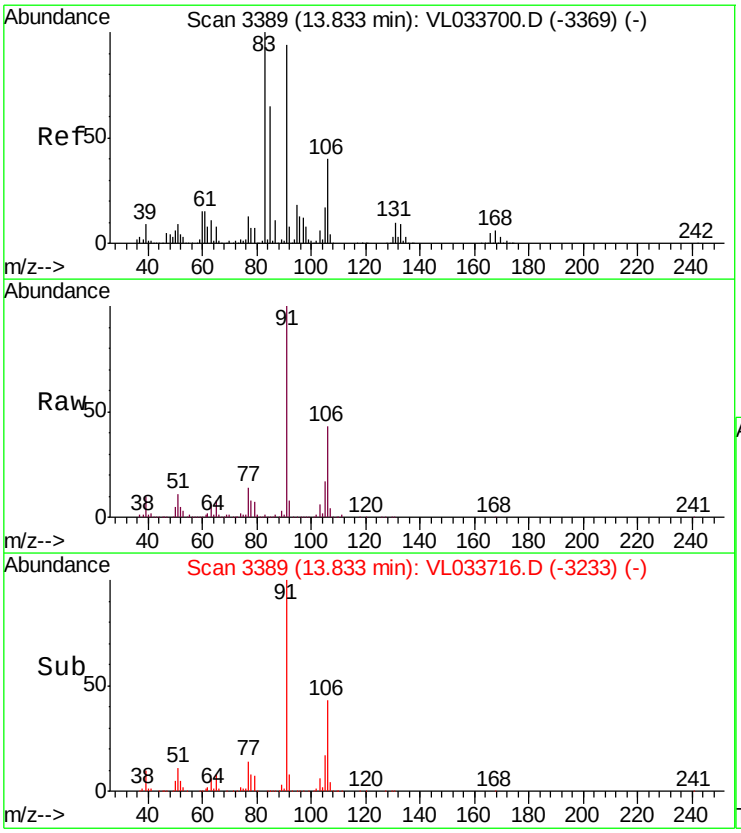
#62
Isopropylbenzene
Concen: 0.179 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tgt Ion:105 Resp: 68574

Ion	Ratio	Lower	Upper
105	100		
120	27.1	20.1	30.1

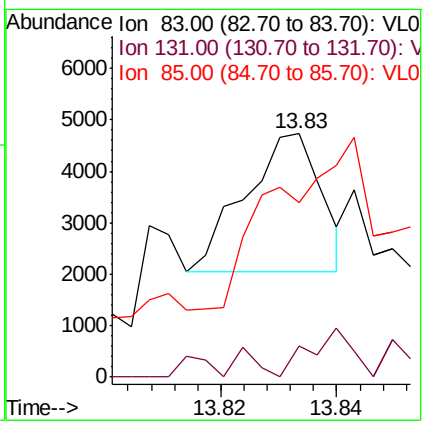


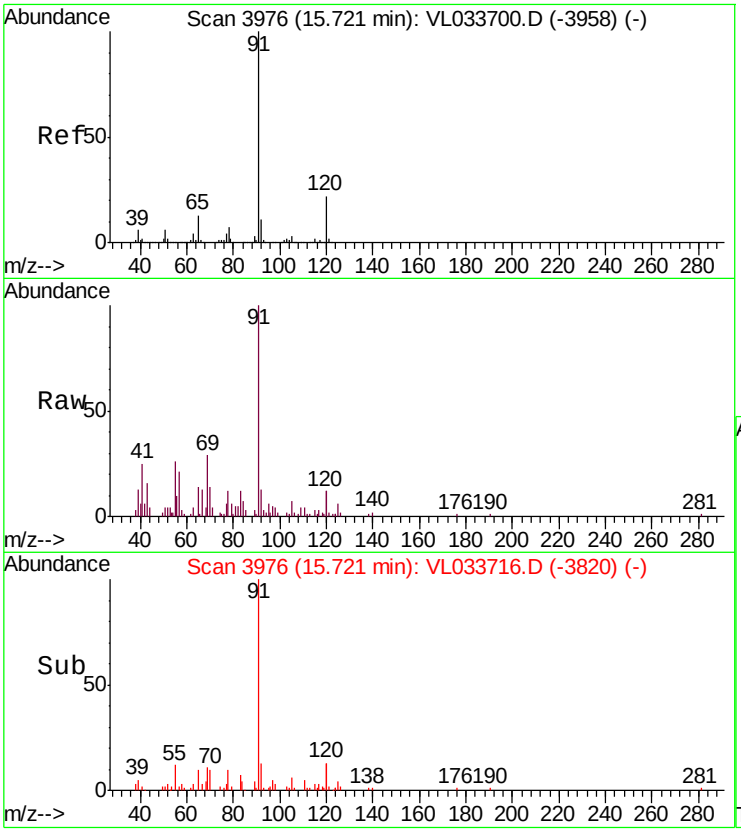


#63
1,1,2,2-Tetrachloroethane
Concen: 0.012 ppbv
RT: 13.83 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 83 Resp: 2451

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3#
85	0.0	32.3	96.9#



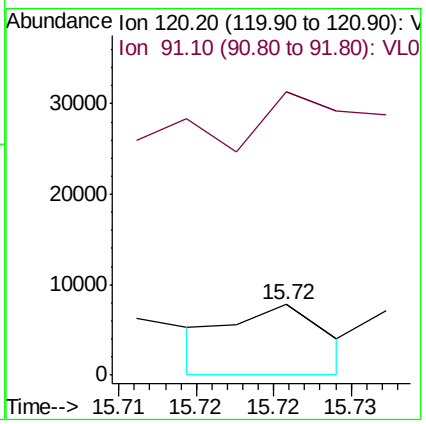


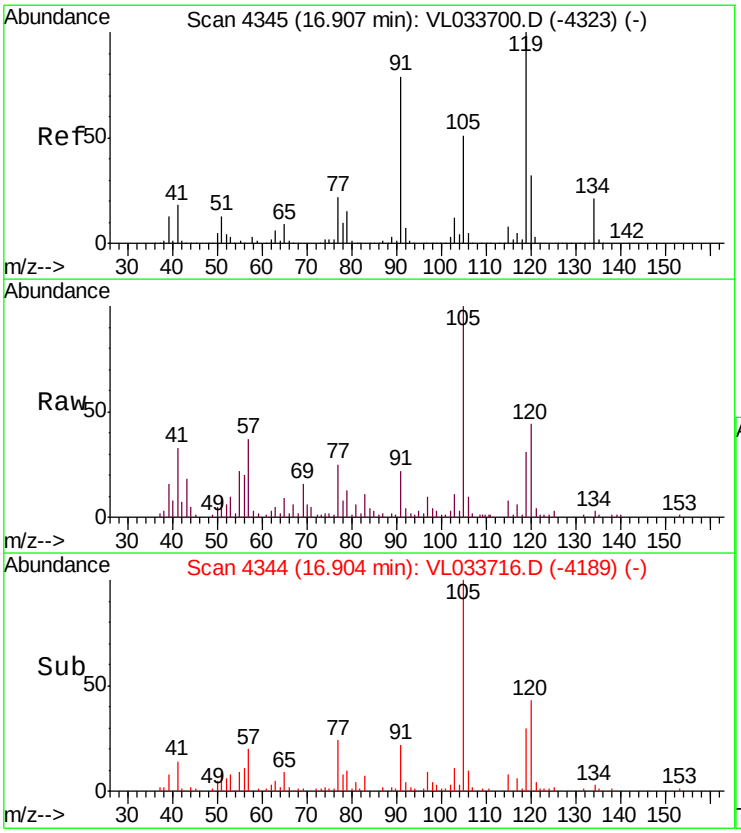
#64
n-propylbenzene
Concen: 0.034 ppbv
RT: 15.72 min Scan# 3976
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Tgt Ion:120 Resp: 3362

Ion	Ratio	Lower	Upper
120	100		
91	2061.0	379.1	568.7#

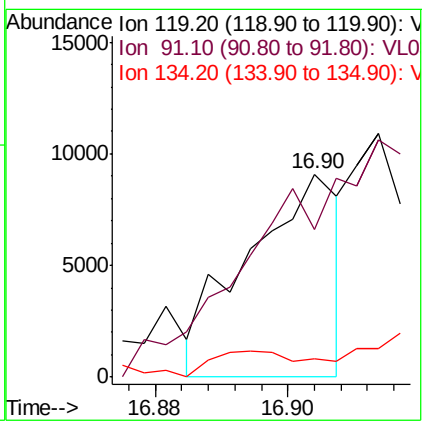


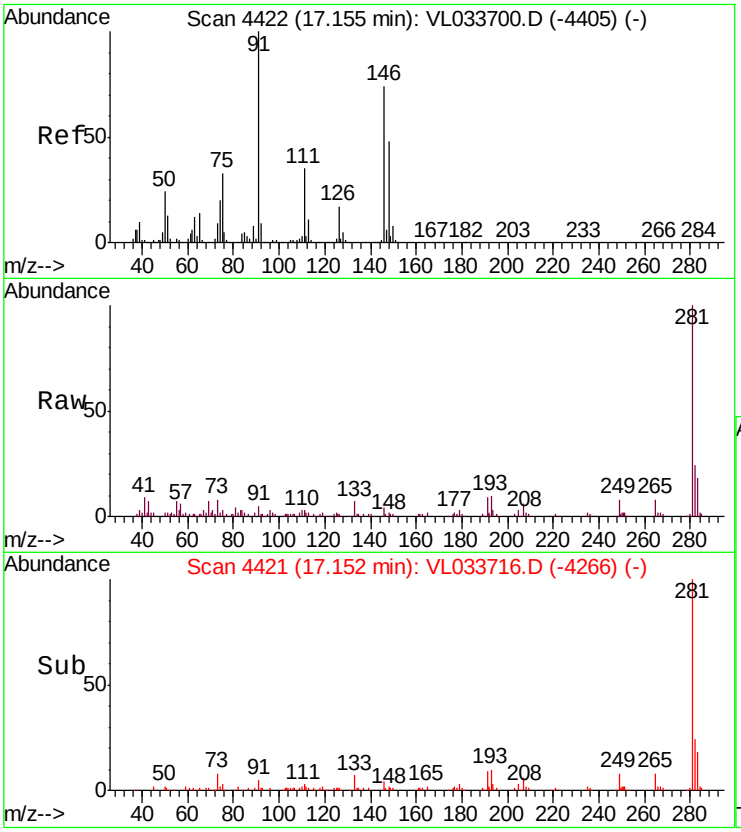


#65
tert-Butylbenzene
Concen: 0.025 ppbv
RT: 16.90 min Scan# 4344
Delta R.T. -0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion:119 Resp: 8685

Ion	Ratio	Lower	Upper
119	100		
91	0.0	65.3	97.9#
134	0.0	15.7	23.5#



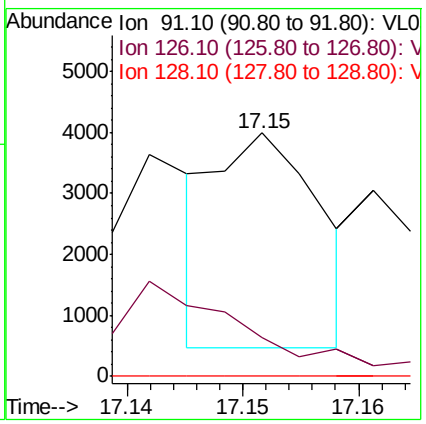


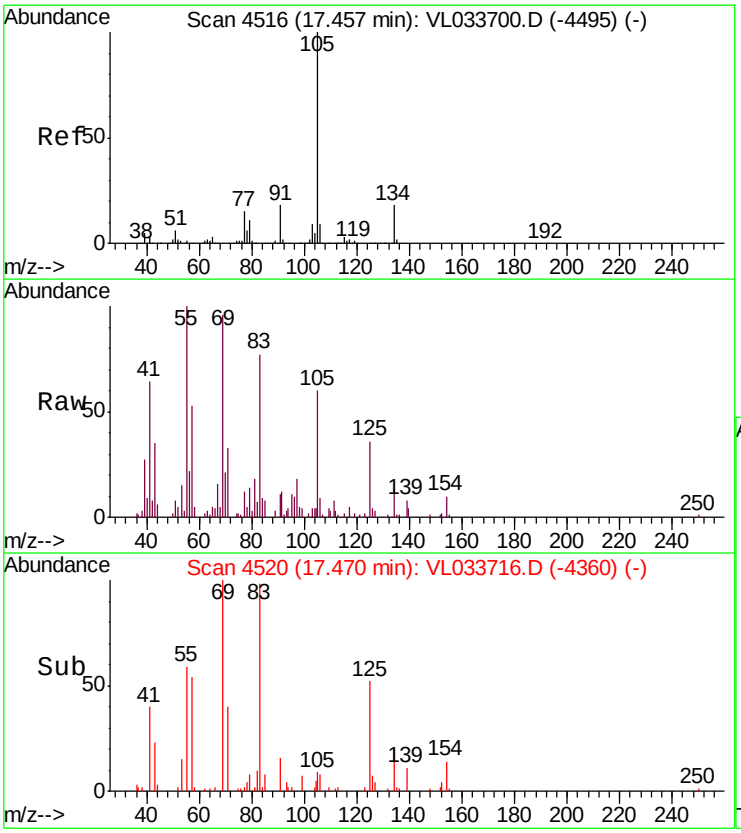
#66
Benzyl Chloride
Concen: 0.013 ppbv
RT: 17.15 min Scan# 4421
Delta R.T. -0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Tgt Ion: 91 Resp: 2172

Ion	Ratio	Lower	Upper
91	100		
126	0.0	13.5	20.3#
128	0.0	4.3	6.5#

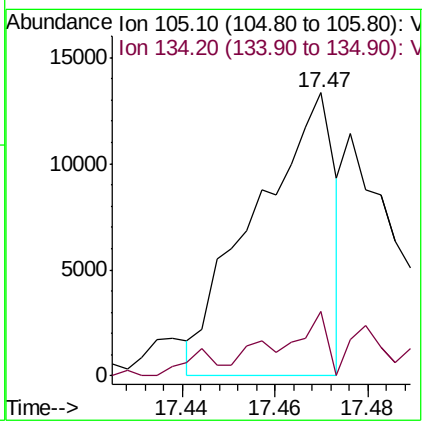


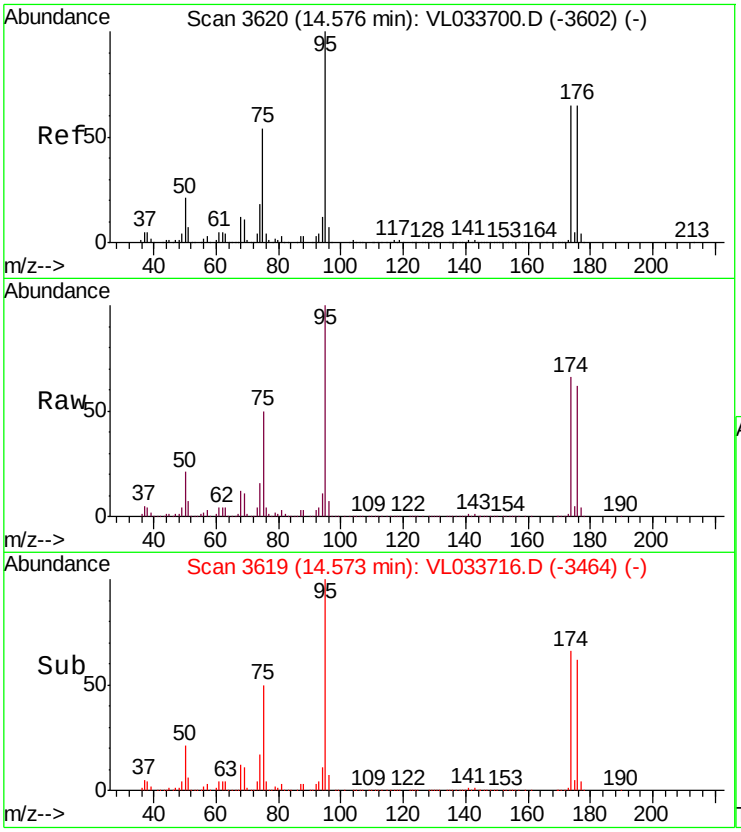


#67
sec-Butylbenzene
Concen: 0.032 ppbv
RT: 17.47 min Scan# 4520
Delta R.T. 0.01 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion:105 Resp: 15848

Ion	Ratio	Lower	Upper
105	100		
134	28.1	14.6	22.0#



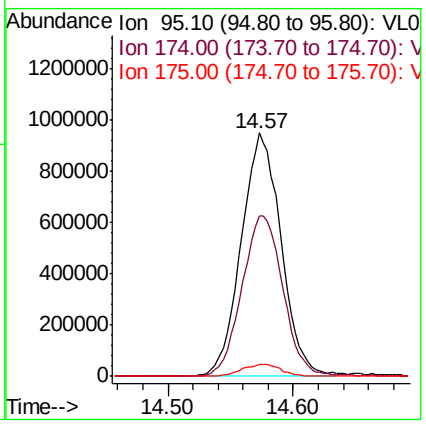


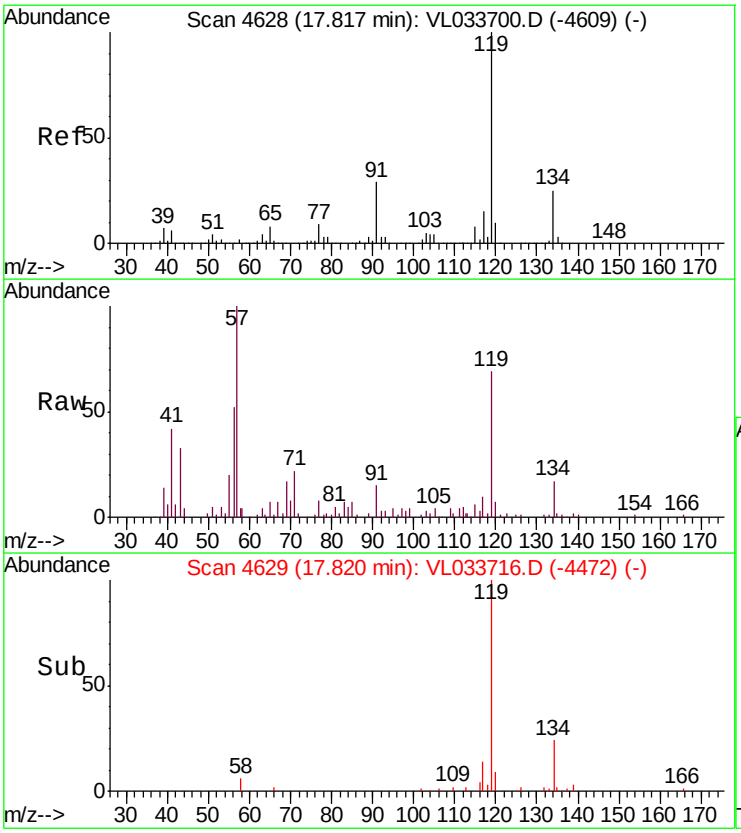
#68
1-Bromo-4-Fluorobenzene
Concen: 10.610 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tgt Ion: 95 Resp: 2097162

Ion	Ratio	Lower	Upper
95	100		
174	68.6	53.9	80.9
175	4.9	3.8	5.8

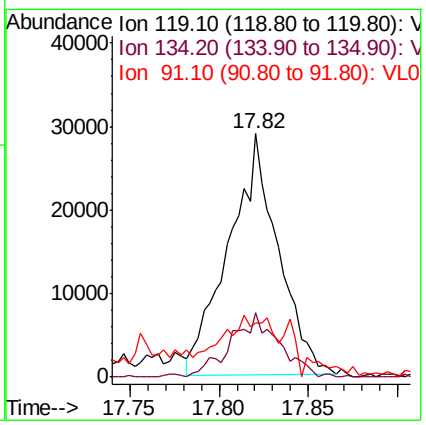


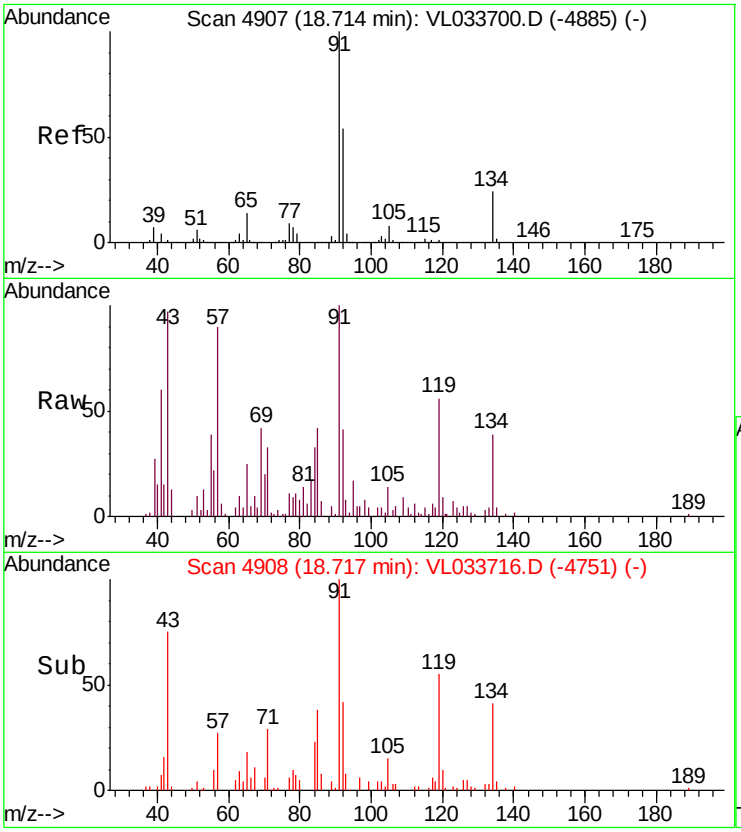


#69
p-Isopropyltoluene
Concen: 0.137 ppbv
RT: 17.82 min Scan# 4629
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion:119 Resp: 55554

Ion	Ratio	Lower	Upper
119	100		
134	26.3	20.3	30.5
91	40.7	23.1	34.7#



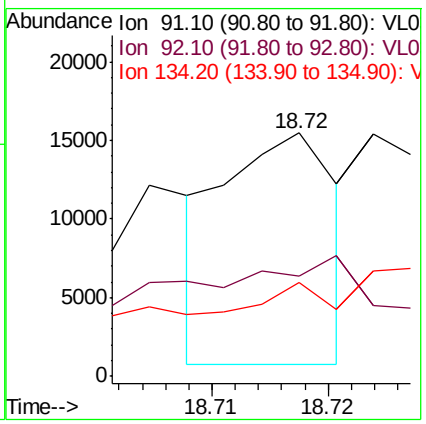


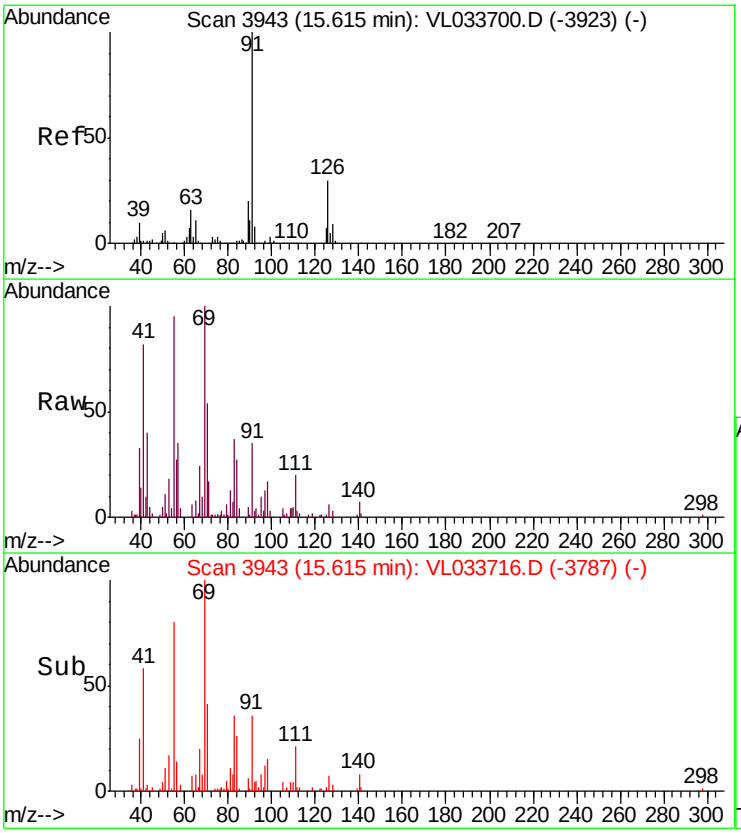
#70
n-Butylbenzene
Concen: 0.023 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tgt Ion: 91 Resp: 9790

Ion	Ratio	Lower	Upper
91	100		
92	0.0	42.6	63.8#
134	0.0	18.1	27.1#

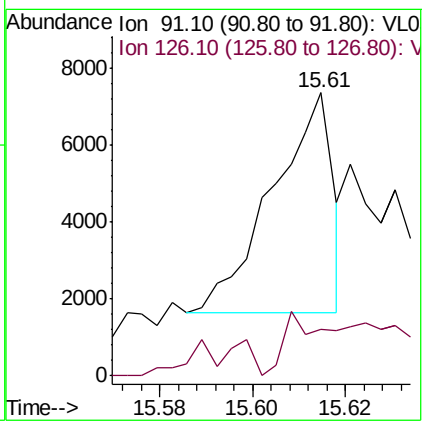


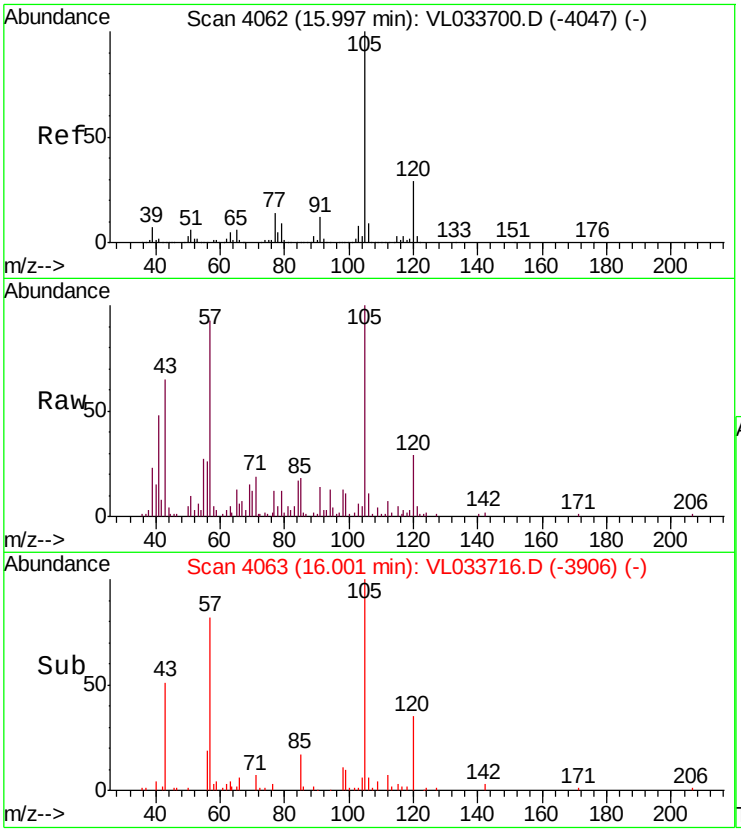


#71
2-Chlorotoluene
Concen: 0.018 ppbv
RT: 15.61 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion: 91 Resp: 5124

Ion	Ratio	Lower	Upper
91	100		
126	65.1	12.0	47.8#



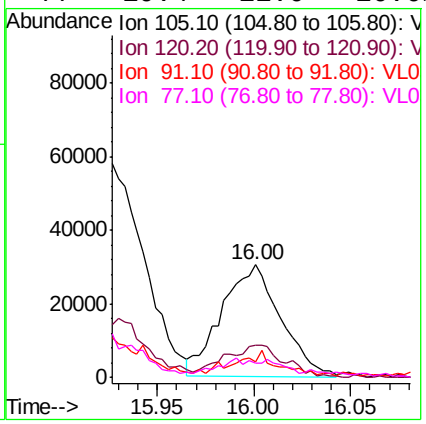


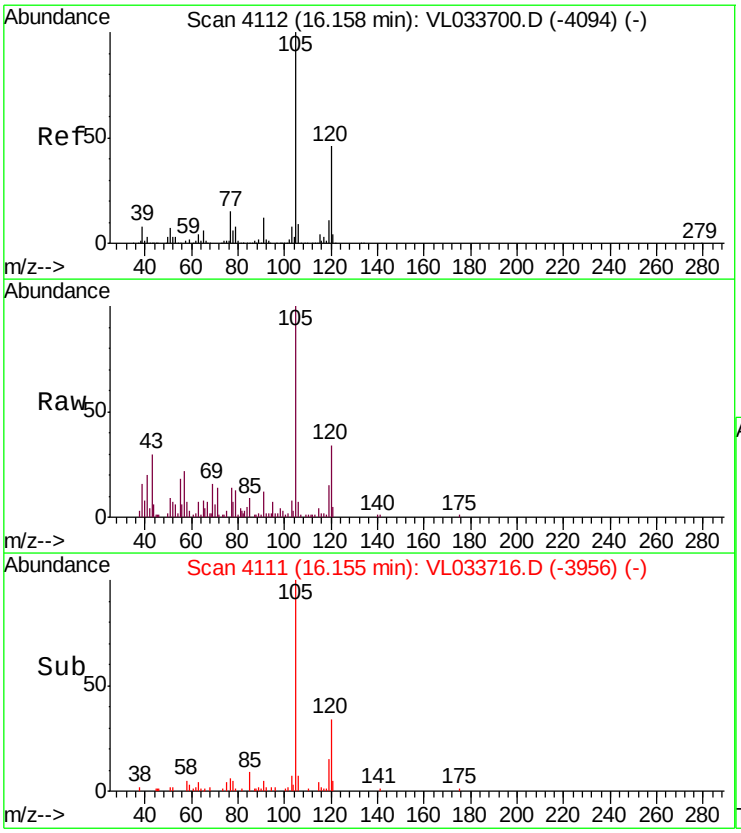
#72
4-Ethyltoluene
Concen: 0.196 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Tgt Ion:105 Resp: 63871

Ion	Ratio	Lower	Upper
105	100		
120	30.1	23.1	34.7
91	16.4	10.4	15.6#
77	19.4	11.0	16.6#

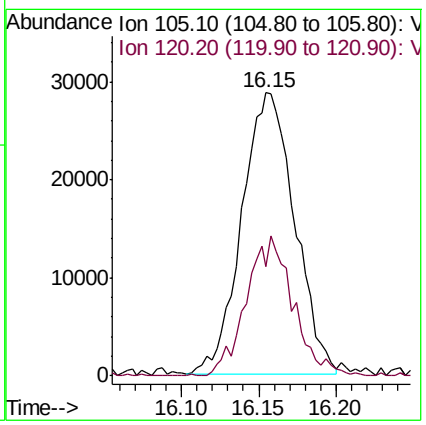


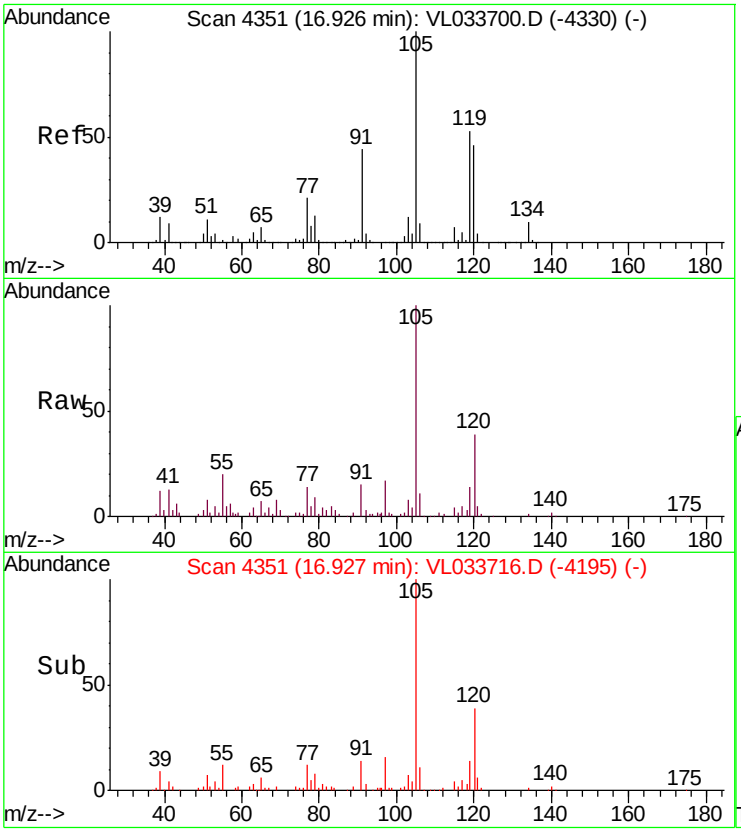


#73
1,3,5-Trimethylbenzene
Concen: 0.215 ppbv
RT: 16.15 min Scan# 4111
Delta R.T. -0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion:105 Resp: 68282

Ion	Ratio	Lower	Upper
105	100		
120	38.9	37.0	55.4



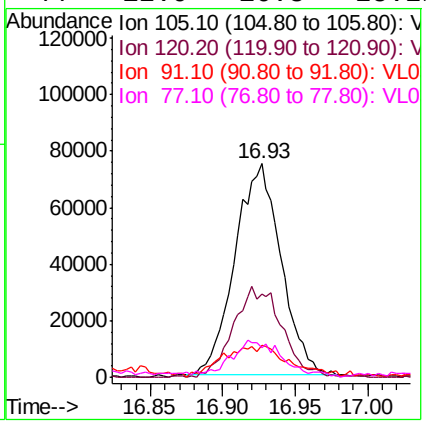


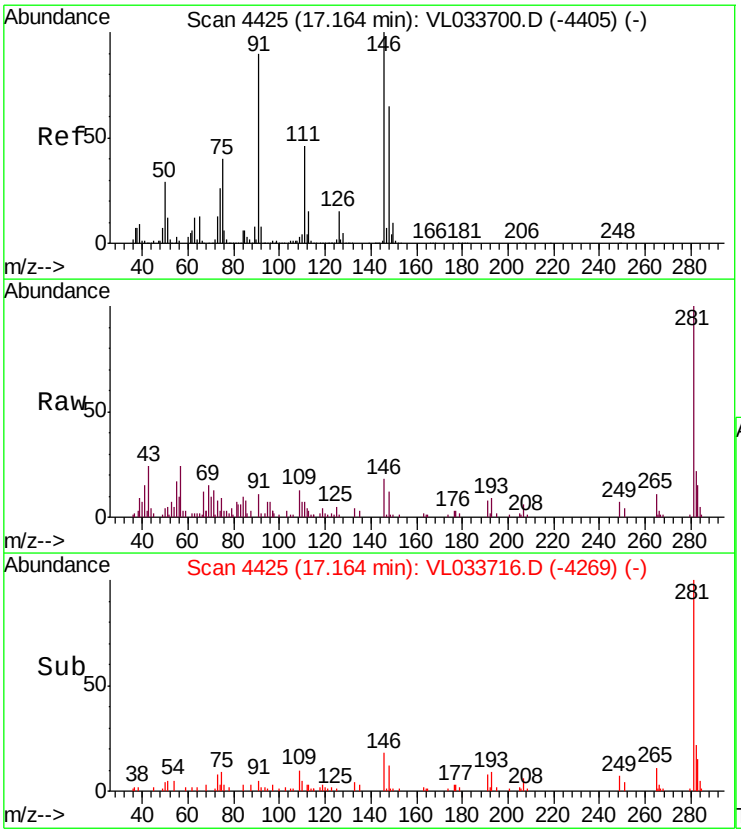
#74
1,2,4-Trimethylbenzene
Concen: 0.478 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tgt Ion:105 Resp: 165278

Ion	Ratio	Lower	Upper
105	100		
120	44.7	36.8	55.2
91	15.3	35.4	53.0#
77	12.9	16.8	25.2#

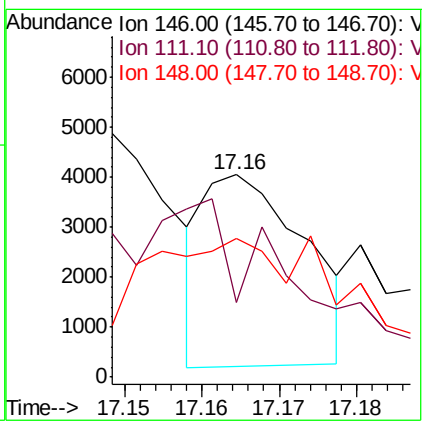


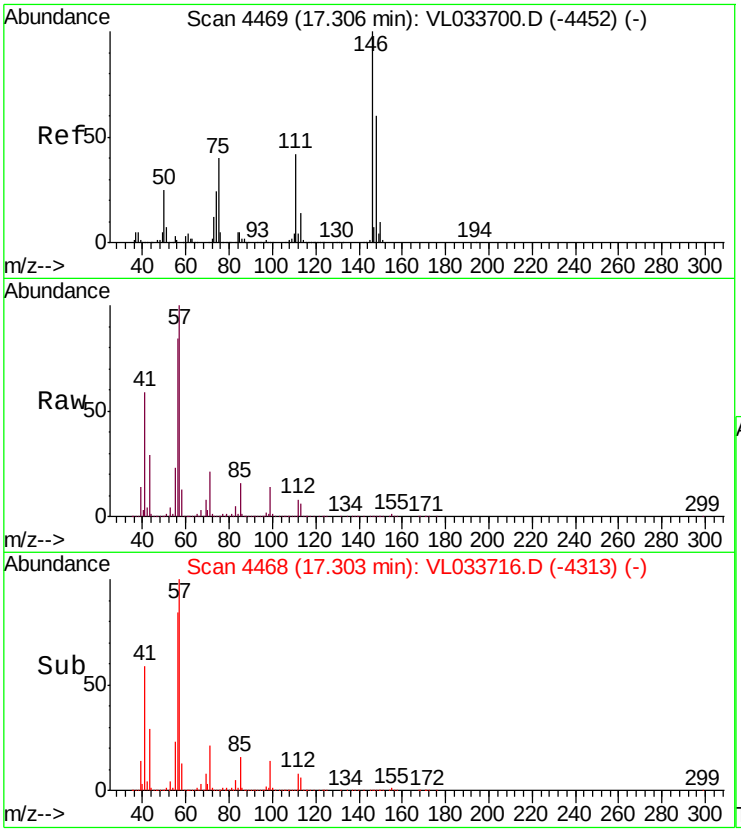


#75
1,3-Dichlorobenzene
Concen: 0.016 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion:146 Resp: 3455

Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.9	68.8#
148	0.0	32.0	96.2#



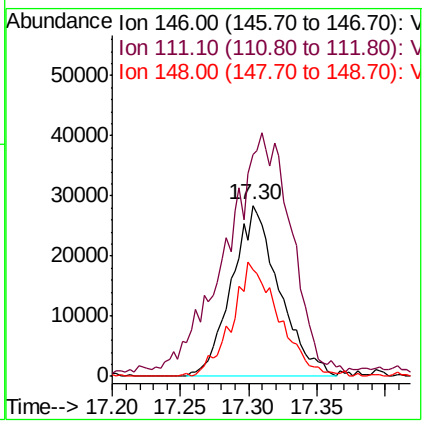


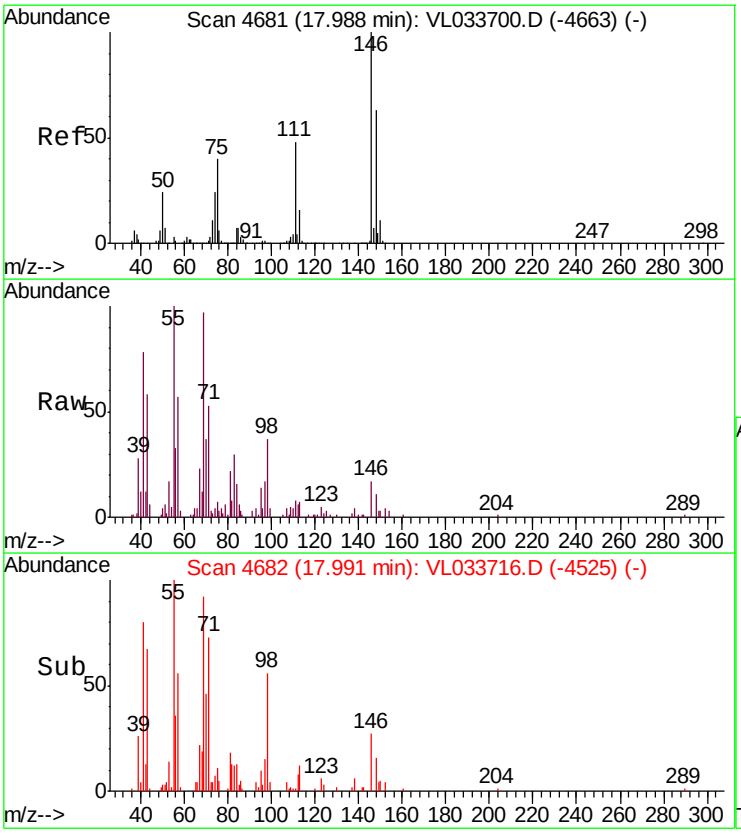
#76
1,4-Dichlorobenzene
Concen: 0.341 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument : MSVOA_L
ClientSampleId : SV-02DUP

Tgt Ion:146 Resp: 68521

Ion	Ratio	Lower	Upper
146	100		
111	199.2	21.9	65.8#
148	66.4	32.1	96.3

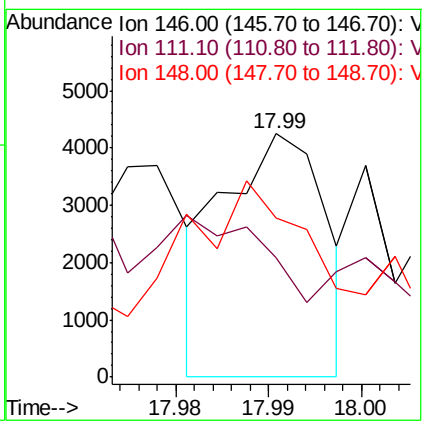


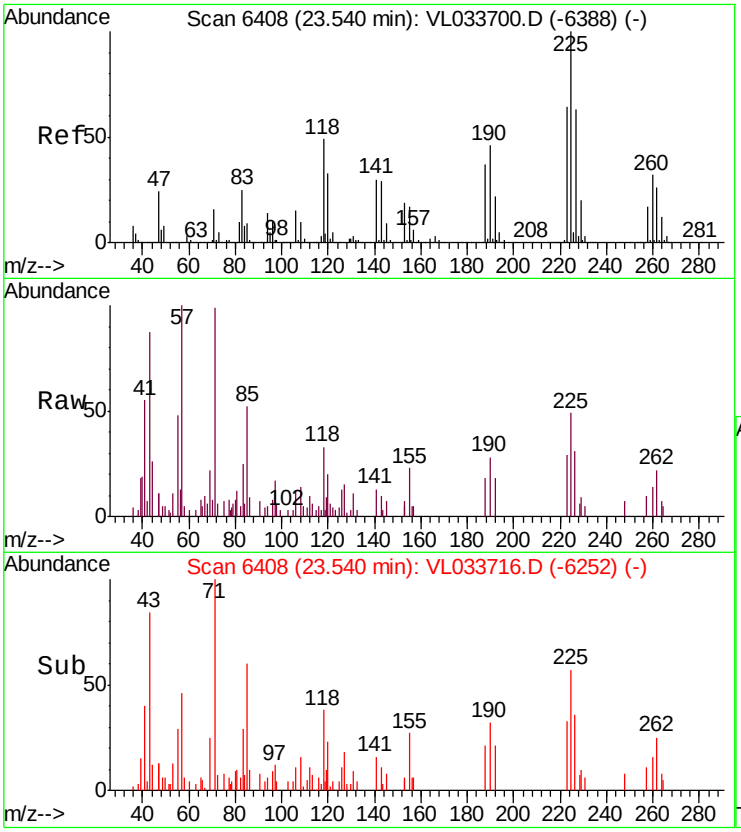


#77
1,2-Dichlorobenzene
Concen: 0.016 ppbv
RT: 17.99 min Scan# 4682
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion:146 Resp: 3253

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.5	70.5#
148	187.9	32.1	96.3#



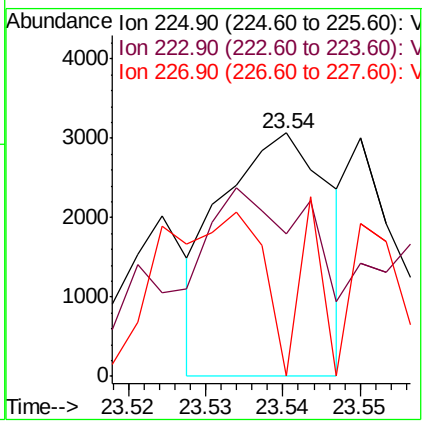


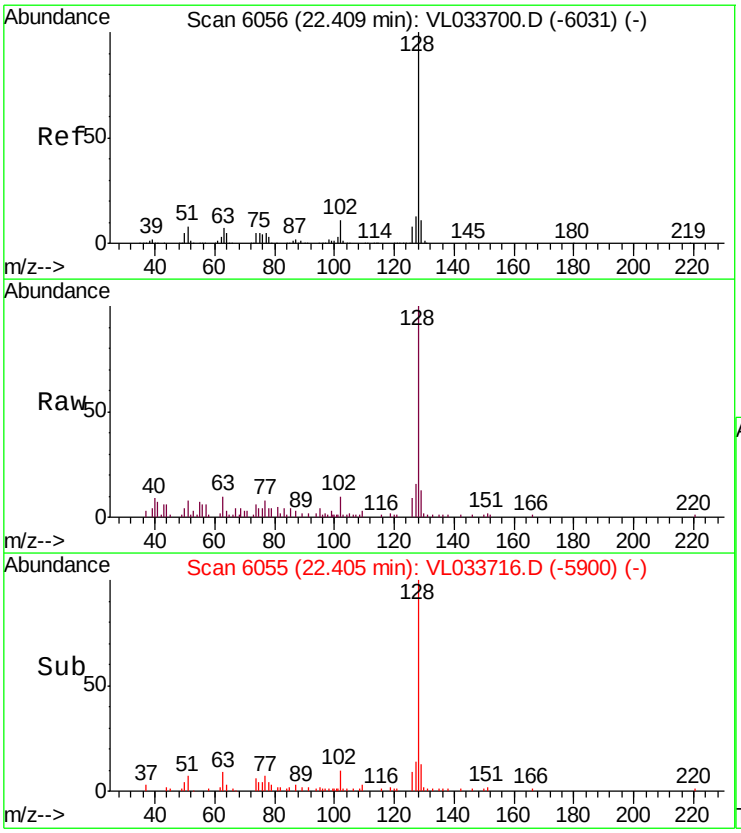
#78
Hexachloro-1,3-Butadiene
Concen: 0.020 ppbv
RT: 23.54 min Scan# 6408
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tgt Ion:225 Resp: 2983

Ion	Ratio	Lower	Upper
225	100		
223	157.9	50.2	75.4#
227	132.0	50.7	76.1#

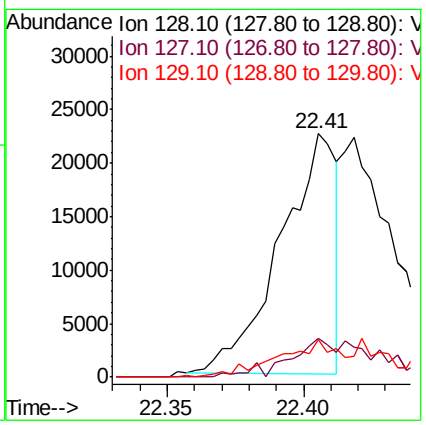


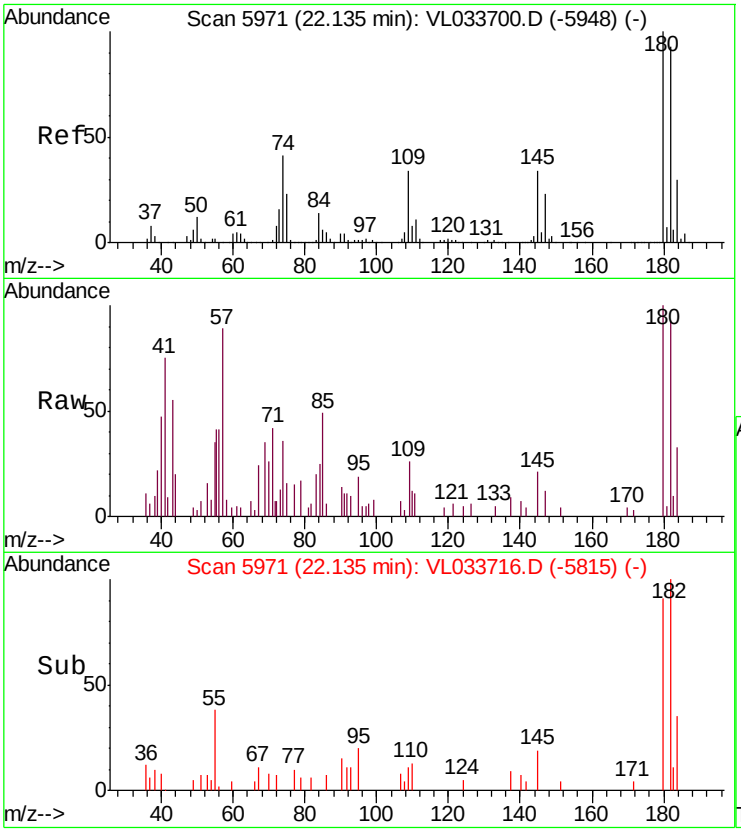


#79
Naphthalene
Concen: 0.099 ppbv
RT: 22.41 min Scan# 6055
Delta R.T. -0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Tgt Ion:128 Resp: 31773

Ion	Ratio	Lower	Upper
128	100		
127	16.3	10.6	16.0#
129	14.6	8.9	13.3#





#81
1,2,4-Trichlorobenzene
Concen: 0.019 ppbv
RT: 22.14 min Scan# 5971
Delta R.T. 0.00 min
Lab File: VL033716.D
Acq: 17 May 2019 14:44

Instrument :
MSVOA_L
ClientSampleId :
SV-02DUP

Tgt Ion:180 Resp: 3618

Ion	Ratio	Lower	Upper
180	100		
182	355.2	76.1	114.1#
184	45.8	24.6	37.0#