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

Quantitation Report (Not Reviewed)

Data File : VL033712.D
Acq On : 17 May 2019 12:02
Operator : SY/AP
Sample : K2893-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-02

Quant Time: May 17 23:20:15 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	1001755	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2516254	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2305794	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	2064171	11.04	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 110.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	52810	0.250	ppbv		93
3) Chlorodifluoromethane	3.39	51	93295	0.813	ppbv	#	58
4) Chloromethane	3.17	50	21135	0.322	ppbv		92
5) Vinyl Chloride	3.28	62	5381	0.080	ppbv		98
6) Bromomethane	3.51	94	3125	0.077	ppbv		99
7) Chloroethane	3.59	64	1064	0.045	ppbv	#	75
8) Dichlorotetrafluoroethane	3.22	85	12229	0.072	ppbv		86
9) Propene	3.24	41	1646569	33.737	ppbv		99
10) Heptane	8.25	43	738656	5.344	ppbv		97
11) Trichlorofluoromethane	4.00	101	94257	0.468	ppbv		84
12) 1,1,2-Trichlorotrifluoroet	4.55	101	19867	0.141	ppbv		100
13) Ethanol	3.66	45	872988	55.340	ppbv		99
14) Bromoethene	3.79	108	2445	0.047	ppbv	#	56
15) Acetone	3.89	43	4359421	31.365	ppbv		94
16) 1,3-Butadiene	3.34	39	242511	4.382	ppbv	#	17
17) tert-Butyl alcohol	4.37	59	113529	1.010	ppbv	#	72
18) 1,1-Dichloroethene	4.35	96	2779	0.047	ppbv	#	45
19) Isopropyl Alcohol	4.06	45	1961646	21.889	ppbv	#	1
20) Methylene Chloride	4.41	84	183520	3.429	ppbv		97
21) Allyl Chloride	4.37	41	21747	0.251	ppbv	#	59
23) Vinyl Acetate	5.14	43	288287	1.573	ppbv	#	1
24) 1,1-Dichloroethane	5.09	63	9732	0.070	ppbv	#	97
25) Ethyl Acetate	5.78	43	954822	3.911	ppbv	#	90
26) Hexane	5.78	57	1033365	9.845	ppbv	#	49
27) Carbon Disulfide	4.62	76	688486	4.781	ppbv		98
28) Methyl tert-Butyl Ether	5.11	73	5729	0.033	ppbv	#	54
29) Chloroform	5.85	83	33022	0.171	ppbv		92
30) Cyclohexane	7.25	84	243894	2.764	ppbv		89
31) cis-1,2-Dichloroethene	5.64	61	5956	0.057	ppbv		95
32) 1,1,1-Trichloroethane	6.62	97	6111	0.032	ppbv	#	23
34) 2-Butanone	5.33	43	460260	2.951	ppbv		96
35) Carbon Tetrachloride	7.14	117	18789	0.093	ppbv		87
36) Benzene	7.00	78	816920	3.569	ppbv		97
37) 1,2-Dichloroethane	6.41	62	20396	0.138	ppbv	#	83
38) Trichloroethene	7.96	130	11731	0.138	ppbv	#	77
39) 1,2-Dichloropropane	7.29	63	638246	7.479	ppbv	#	23
40) 1,4-Dioxane	7.97	88	10524	0.295	ppbv	#	31
41) Tetrahydrofuran	6.15	42	217218	2.486	ppbv		98
42) Bromodichloromethane	7.91	83	15320	0.076	ppbv	#	61
43) Methyl Methacrylate	8.13	69	2907	0.035	ppbv	#	1
44) 2,2,4-Trimethylpentane	7.99	57	60796	0.157	ppbv	#	1

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

Quantitation Report (Not Reviewed)

Data File : VL033712.D
Acq On : 17 May 2019 12:02
Operator : SY/AP
Sample : K2893-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-02

Quant Time: May 17 23:20:15 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)
45) t-1,3-Dichloropropene	9.42	75	2093	0.020	ppbv		100
46) cis-1,3-Dichloropropene	8.83	75	3283	0.026	ppbv	#	79
47) 1,1,2-Trichloroethane	9.61	97	1846	0.019	ppbv	#	41
48) Dibromochloromethane	10.44	129	3157	0.019	ppbv	#	11
50) 4-Methyl-2-Pentanone	8.88	43	97534	0.407	ppbv		96
51) 2-Hexanone	10.26	43	169012	0.903	ppbv	#	29
52) Tetrachloroethene	11.36	164	12284	0.153	ppbv		89
53) Toluene	9.94	91	3831064	15.518	ppbv		99
54) 1,2-Dibromoethane	10.74	107	2094	0.014	ppbv		88
56) 1,1,1,2-Tetrachloroethane	12.28	131	1077	0.010	ppbv	#	9
57) Chlorobenzene	12.29	112	12512	0.066	ppbv	#	57
58) Ethyl Benzene	12.86	91	4024384	13.180	ppbv		99
59) m/p-Xylene	13.12	91	9681977	36.273	ppbv		96
60) o-Xylene	13.84	91	2506609	9.316	ppbv		99
61) Styrene	13.68	104	56746	0.313	ppbv		94
62) Isopropylbenzene	14.83	105	81934	0.226	ppbv		97
63) 1,1,2,2-Tetrachloroethane	13.83	83	2159	0.011	ppbv	#	25
64) n-propylbenzene	15.72	120	9060	0.097	ppbv	#	1
65) tert-Butylbenzene	16.91	119	19514	0.059	ppbv	#	22
66) Benzyl Chloride	17.15	91	2187	0.014	ppbv	#	1
67) sec-Butylbenzene	17.47	105	47846	0.103	ppbv		97
69) p-Isopropyltoluene	17.82	119	49172	0.128	ppbv	#	62
70) n-Butylbenzene	18.71	91	27962	0.068	ppbv	#	45
71) 2-Chlorotoluene	15.61	91	5296	0.020	ppbv	#	1
72) 4-Ethyltoluene	15.99	105	45202	0.147	ppbv	#	65
73) 1,3,5-Trimethylbenzene	16.15	105	54225	0.181	ppbv		88
74) 1,2,4-Trimethylbenzene	16.92	105	174805	0.535	ppbv	#	82
75) 1,3-Dichlorobenzene	17.16	146	7049	0.035	ppbv	#	1
76) 1,4-Dichlorobenzene	17.30	146	75707	0.398	ppbv	#	10
77) 1,2-Dichlorobenzene	17.98	146	8348	0.044	ppbv	#	1
78) Hexachloro-1,3-Butadiene	23.54	225	10001	0.070	ppbv	#	53
79) Naphthalene	22.41	128	14623	0.048	ppbv	#	91
80) Naphthalene,2-methyl-	25.11	142	18701	0.162	ppbv		97
81) 1,2,4-Trichlorobenzene	22.13	180	4622	0.026	ppbv	#	1

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

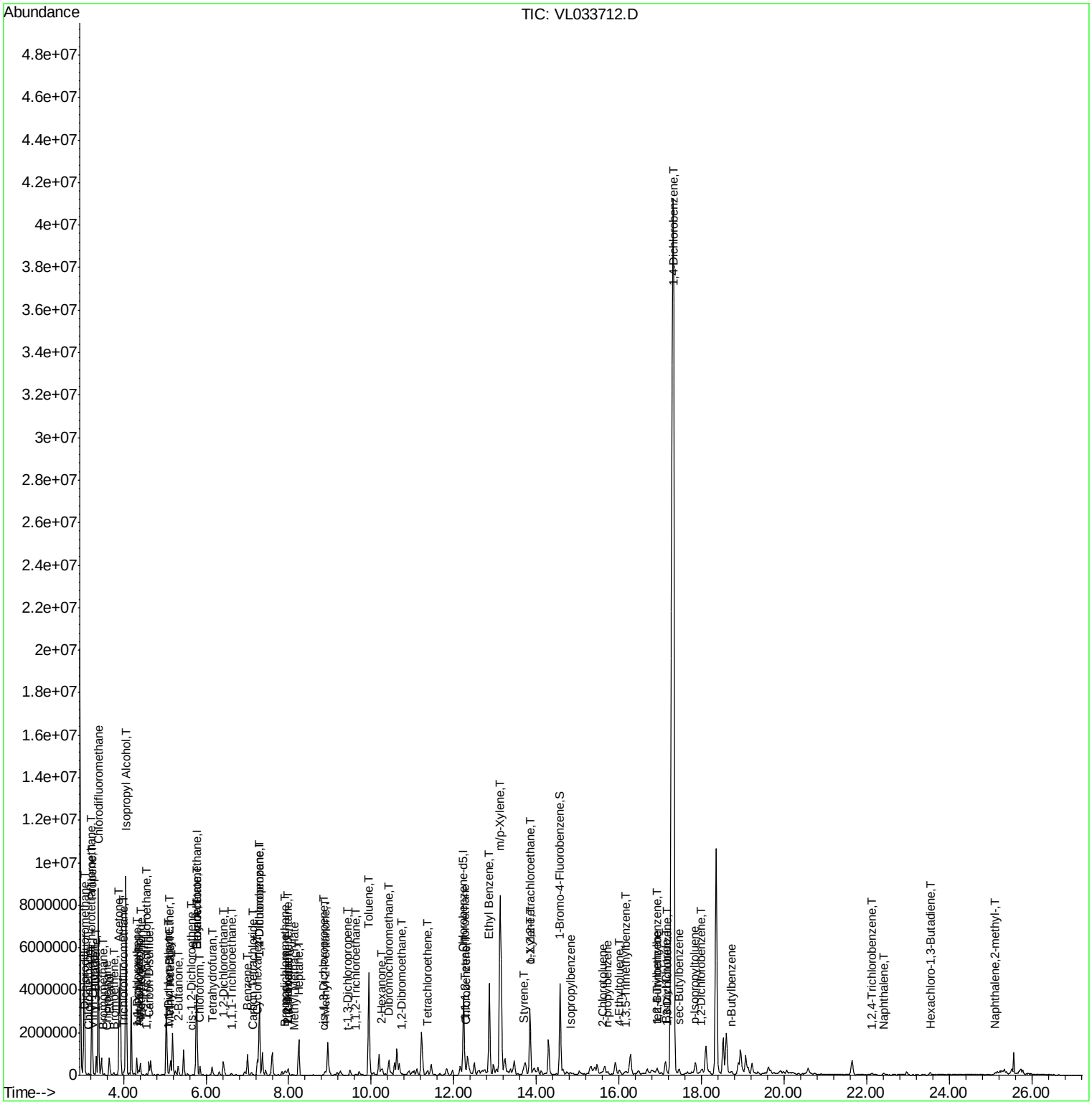
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051719\

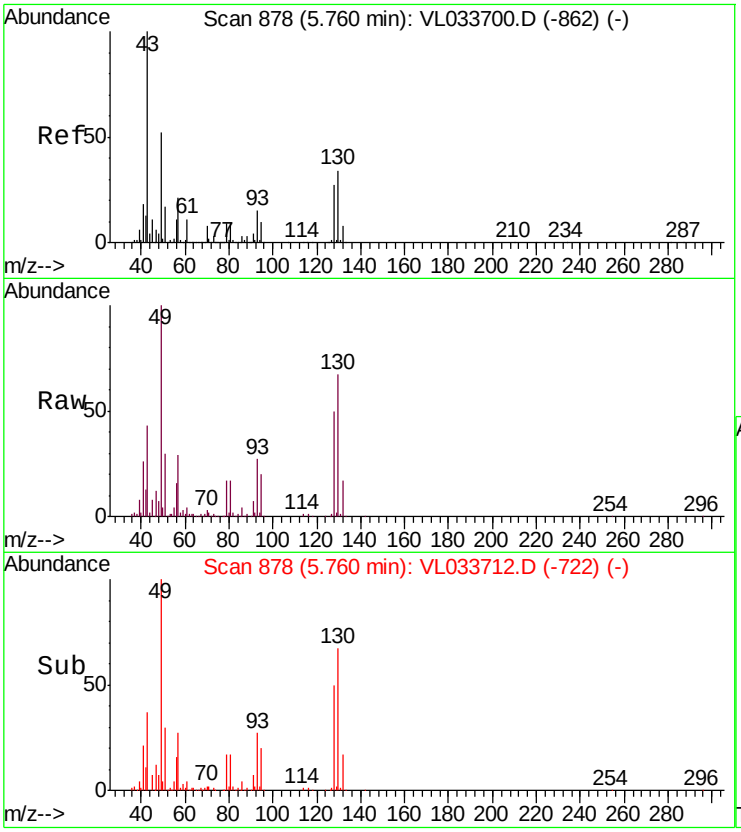
Quantitation Report (Not Reviewed)

Data File : VL033712.D
Acq On : 17 May 2019 12:02
Operator : SY/AP
Sample : K2893-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-02

Quant Time: May 17 23:20:15 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



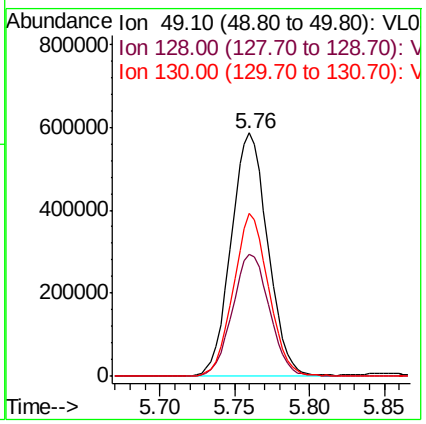


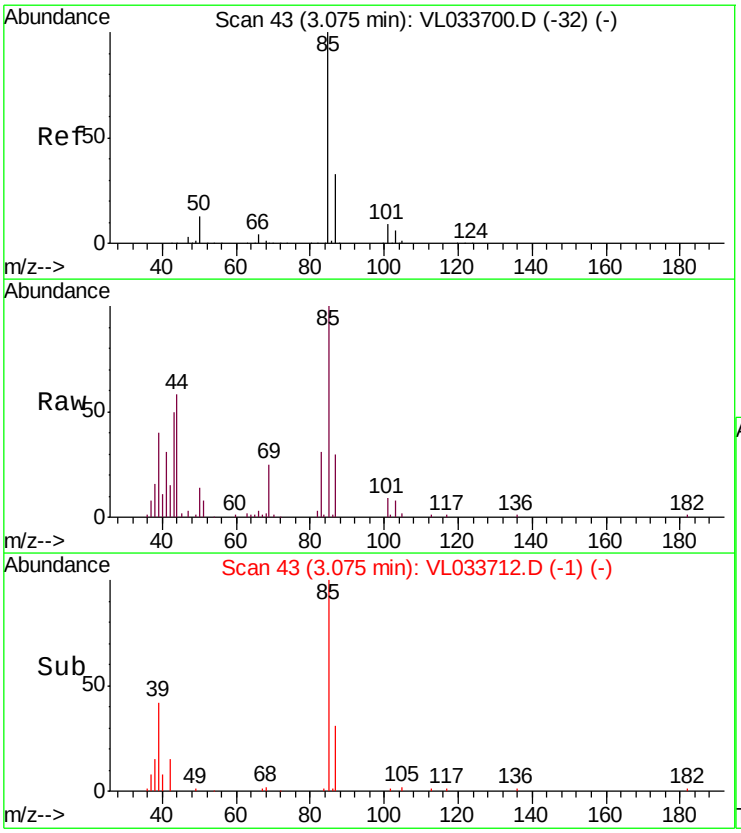
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 49 Resp: 1001755

Ion	Ratio	Lower	Upper
49	100		
128	50.9	25.2	75.6
130	64.6	32.5	97.5

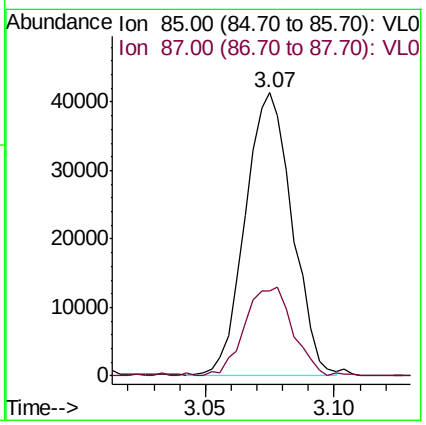


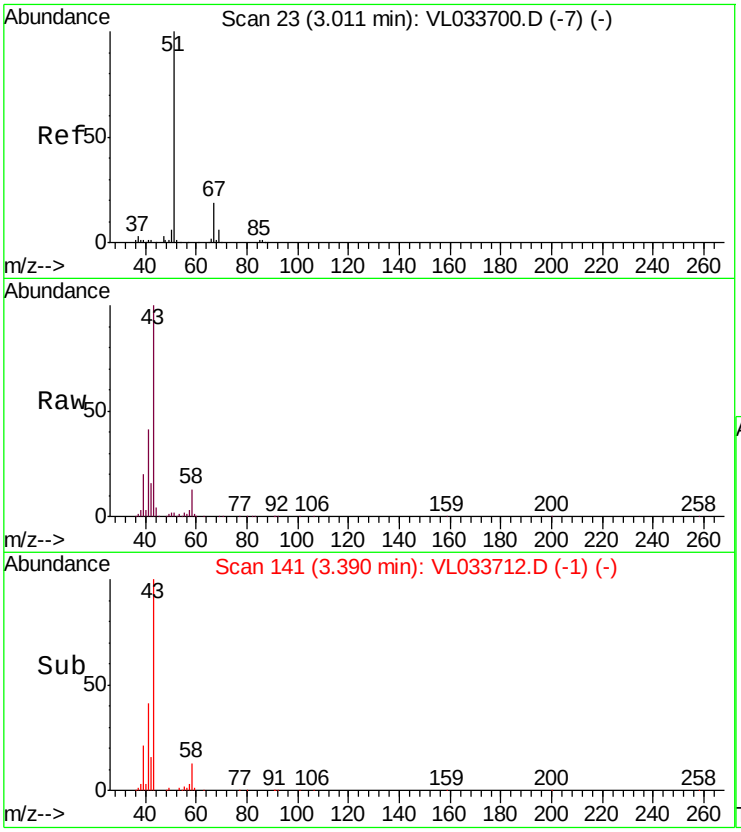


#2
Dichlorodifluoromethane
Concen: 0.250 ppbv
RT: 3.07 min Scan# 43
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 85 Resp: 52810

Ion	Ratio	Lower	Upper
85	100		
87	29.0	26.3	39.5



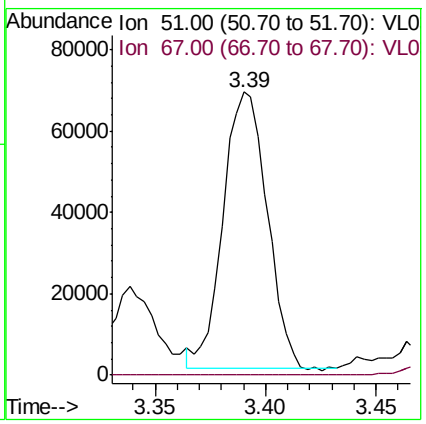


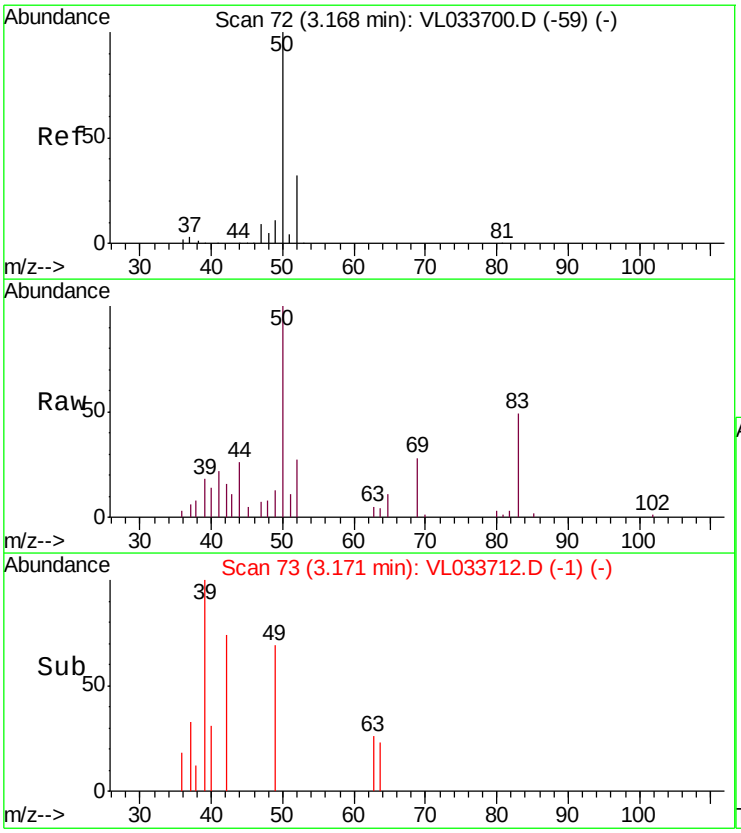
#3
Chlorodifluoromethane
Concen: 0.813 ppbv
RT: 3.39 min Scan# 141
Delta R.T. 0.38 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion: 51 Resp: 93295

Ion	Ratio	Lower	Upper
51	100		
67	0.2	15.6	23.4#

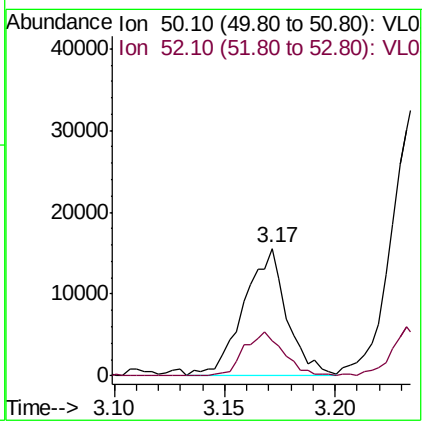


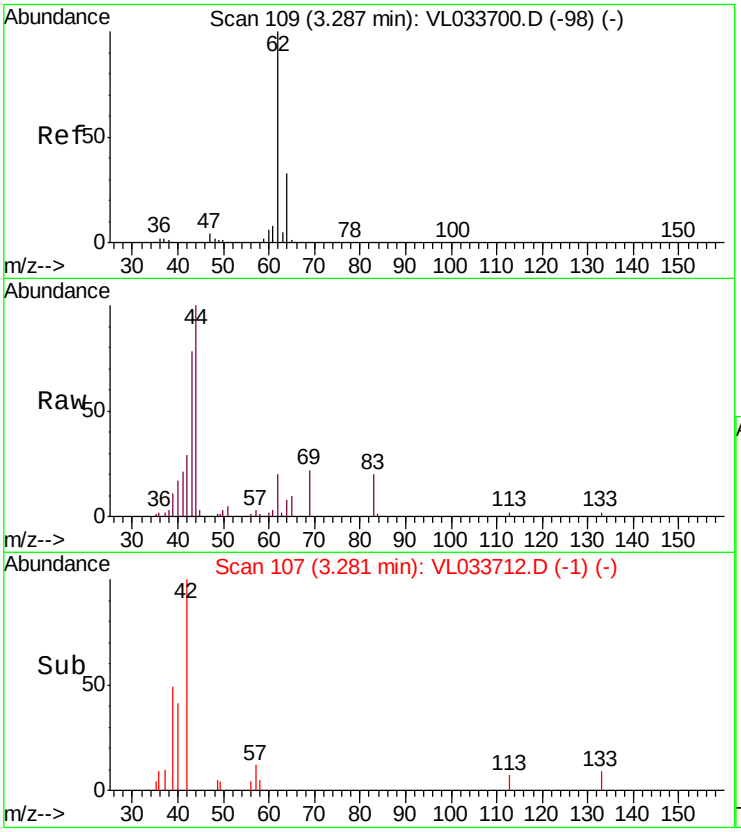


#4
Chloromethane
Concen: 0.322 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 50 Resp: 21135

Ion	Ratio	Lower	Upper
50	100		
52	27.4	25.7	38.5



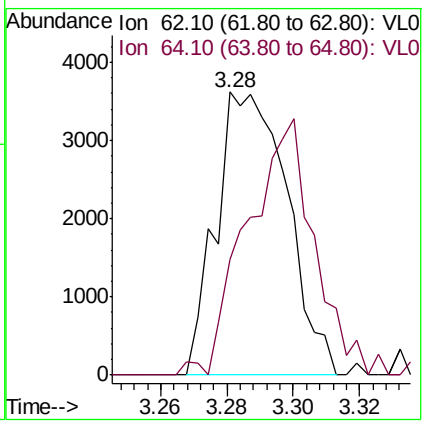


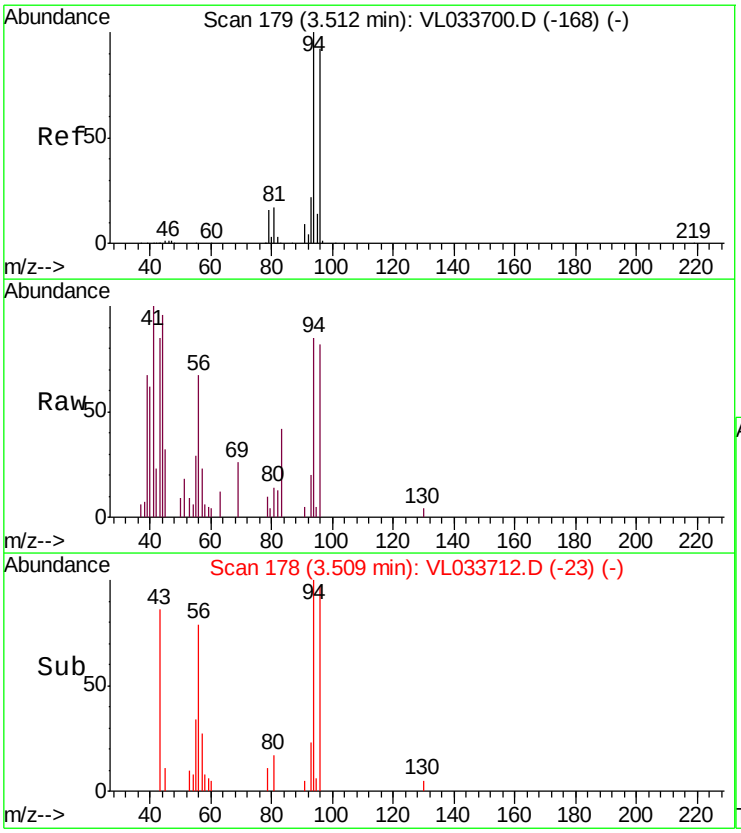
#5
Vinyl Chloride
Concen: 0.080 ppbv
RT: 3.28 min Scan# 107
Delta R.T. -0.01 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion: 62 Resp: 5381

Ion	Ratio	Lower	Upper
62	100		
64	32.0	26.4	39.6

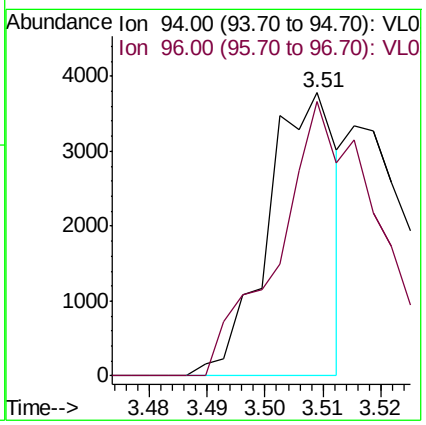


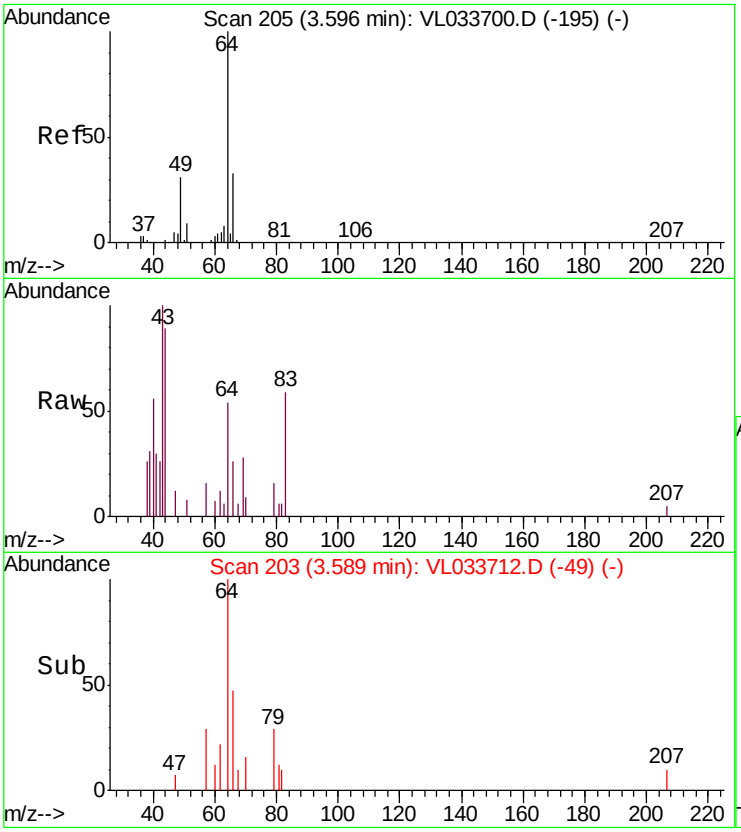


#6
Bromomethane
Concen: 0.077 ppbv
RT: 3.51 min Scan# 178
Delta R.T. -0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 94 Resp: 3125

Ion	Ratio	Lower	Upper
94	100		
96	91.5	73.6	110.4



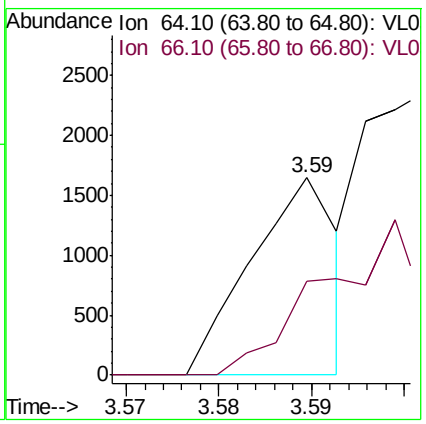


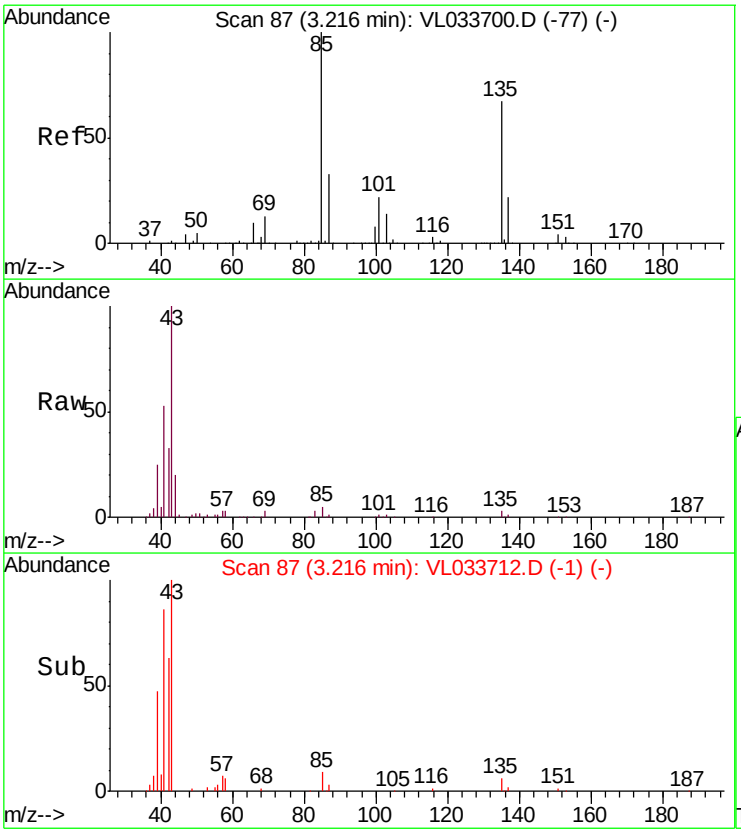
#7
Chloroethane
Concen: 0.045 ppbv
RT: 3.59 min Scan# 203
Delta R.T. -0.01 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 64 Resp: 1064

Ion	Ratio	Lower	Upper
64	100		
66	47.3	26.6	40.0#

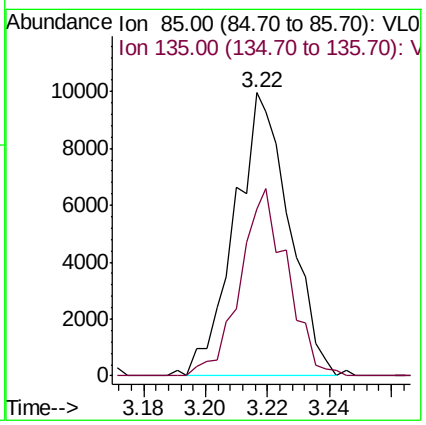


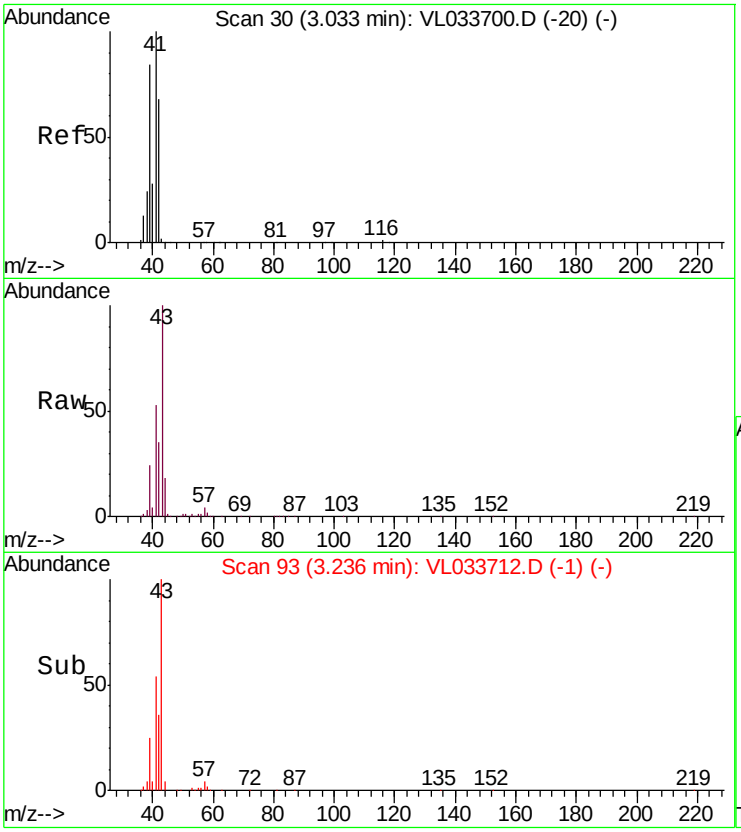


#8
Dichlorotetrafluoroethane
Concen: 0.072 ppbv
RT: 3.22 min Scan# 87
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 85 Resp: 12229

Ion	Ratio	Lower	Upper
85	100		
135	57.1	54.5	81.7



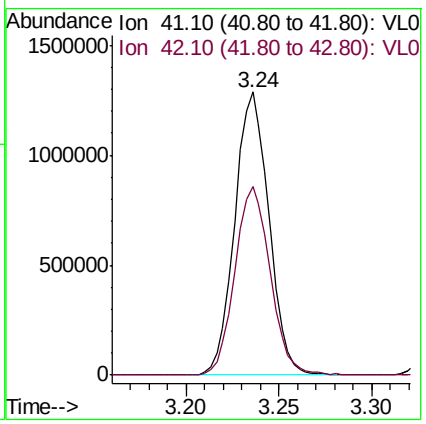


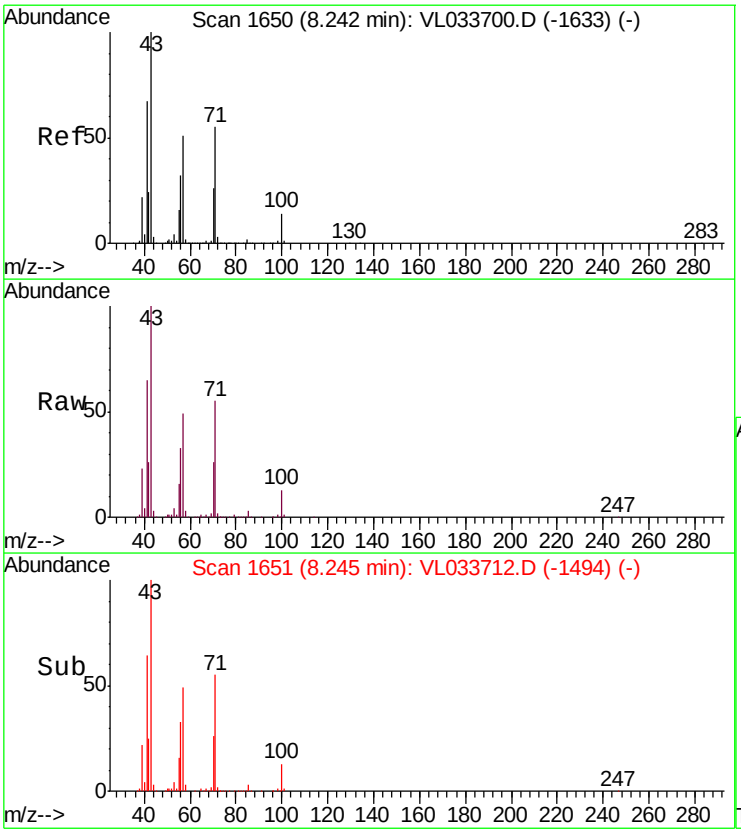
#9
Propene
Concen: 33.737 ppbv
RT: 3.24 min Scan# 93
Delta R.T. 0.20 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 41 Resp: 1646569

Ion	Ratio	Lower	Upper
41	100		
42	69.0	56.1	84.1

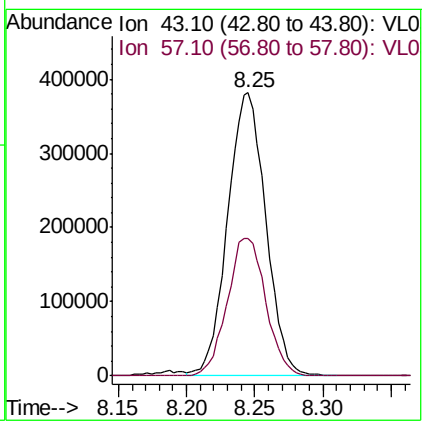


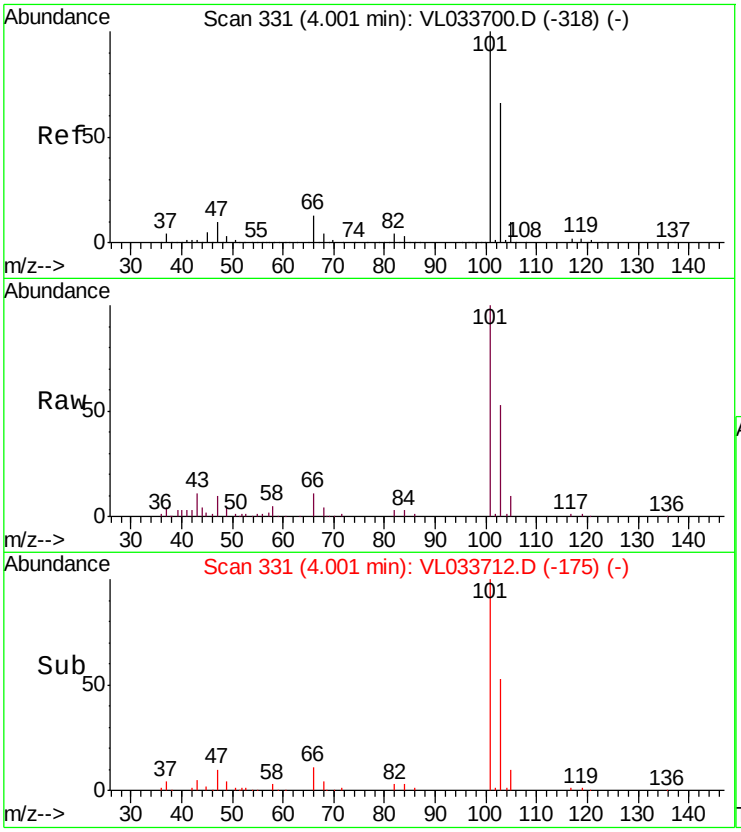


#10
Heptane
Concen: 5.344 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 43 Resp: 738656

Ion	Ratio	Lower	Upper
43	100		
57	49.3	41.4	62.0



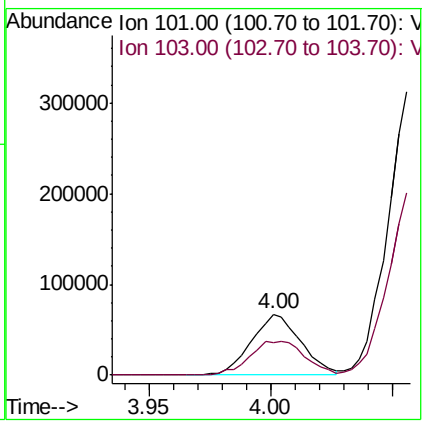


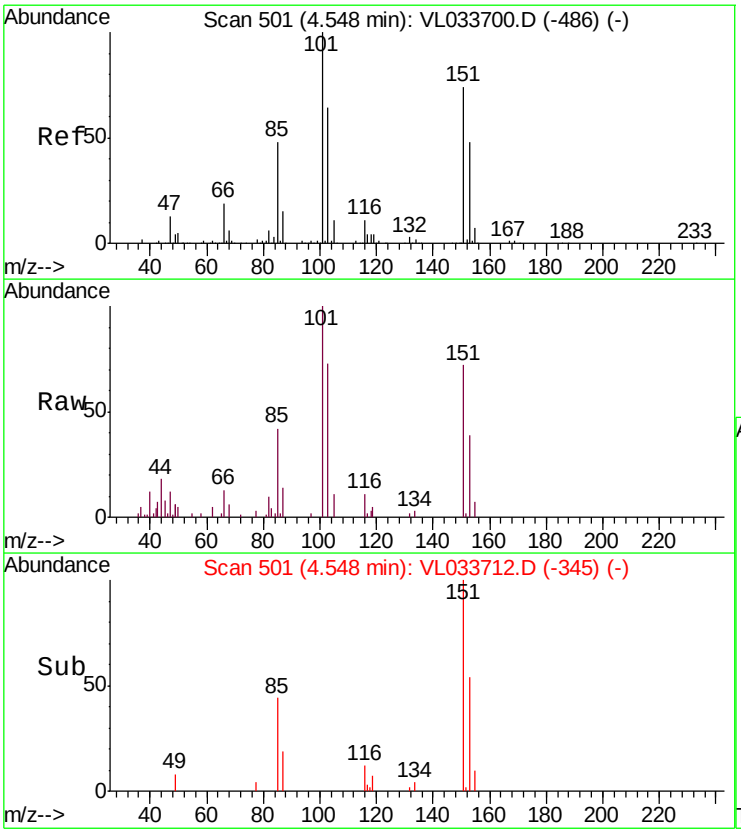
#11
Trichlorofluoromethane
Concen: 0.468 ppbv
RT: 4.00 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion:101 Resp: 94257

Ion	Ratio	Lower	Upper
101	100		
103	52.8	52.6	78.8

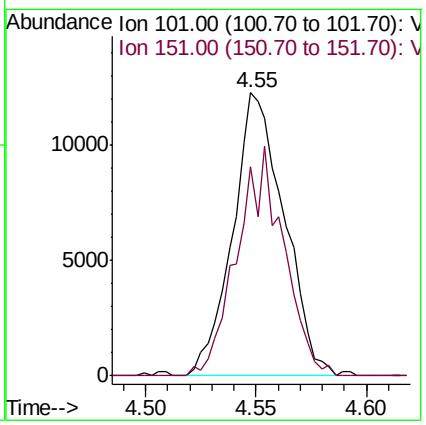


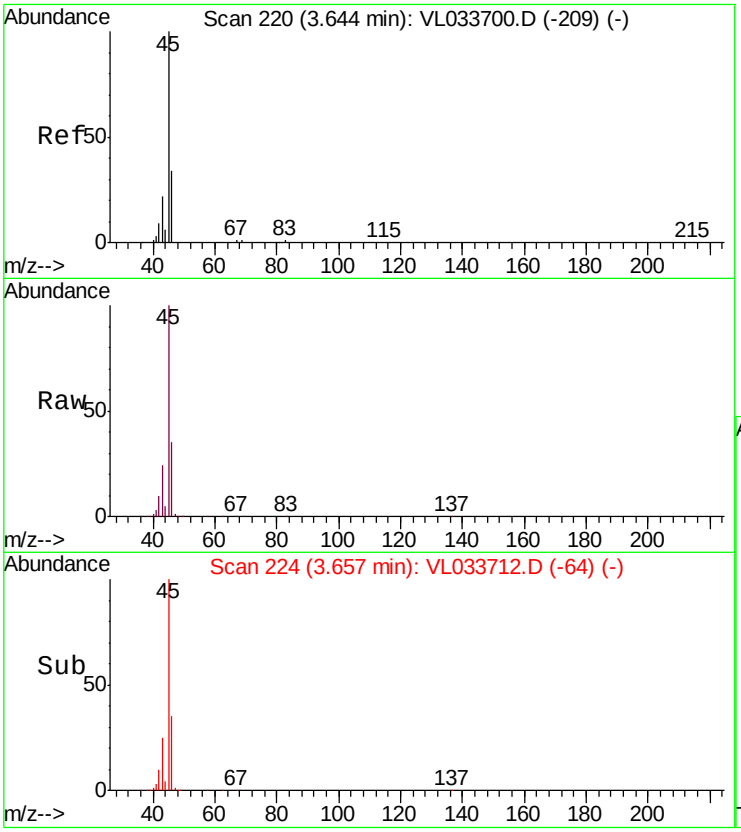


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.141 ppbv
RT: 4.55 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion:101 Resp: 19867

Ion	Ratio	Lower	Upper
101	100		
151	73.1	58.2	87.4



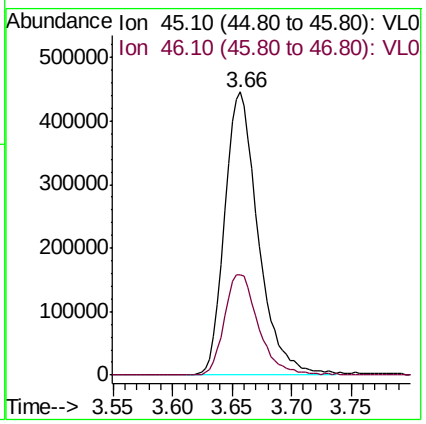


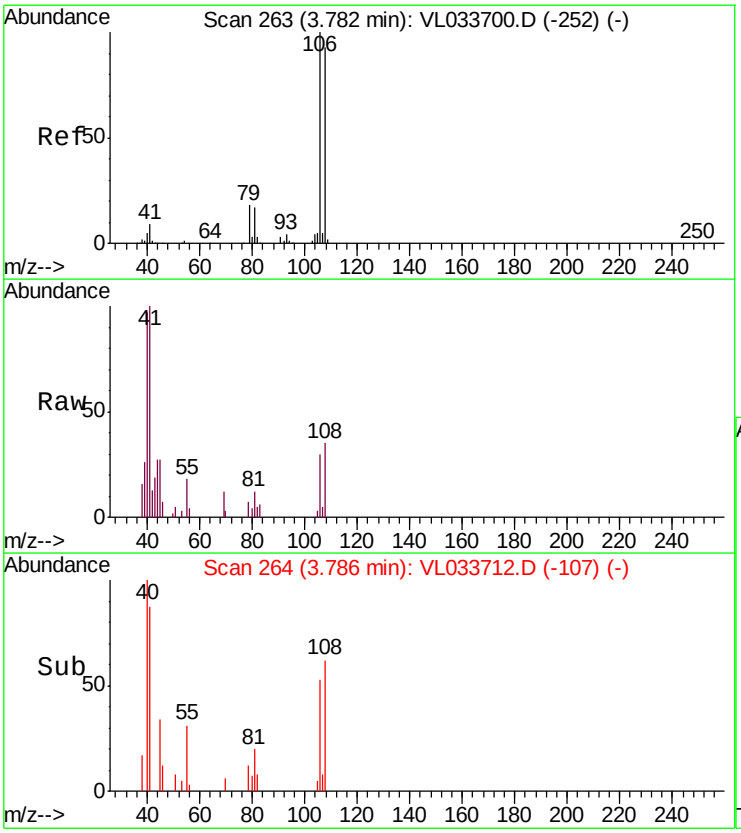
#13
Ethanol
Concen: 55.340 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion: 45 Resp: 872988

Ion	Ratio	Lower	Upper
45	100		
46	36.1	14.8	59.0

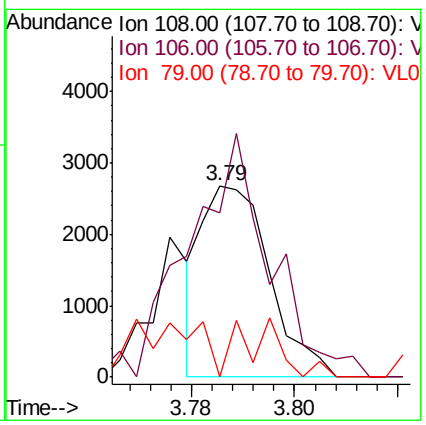


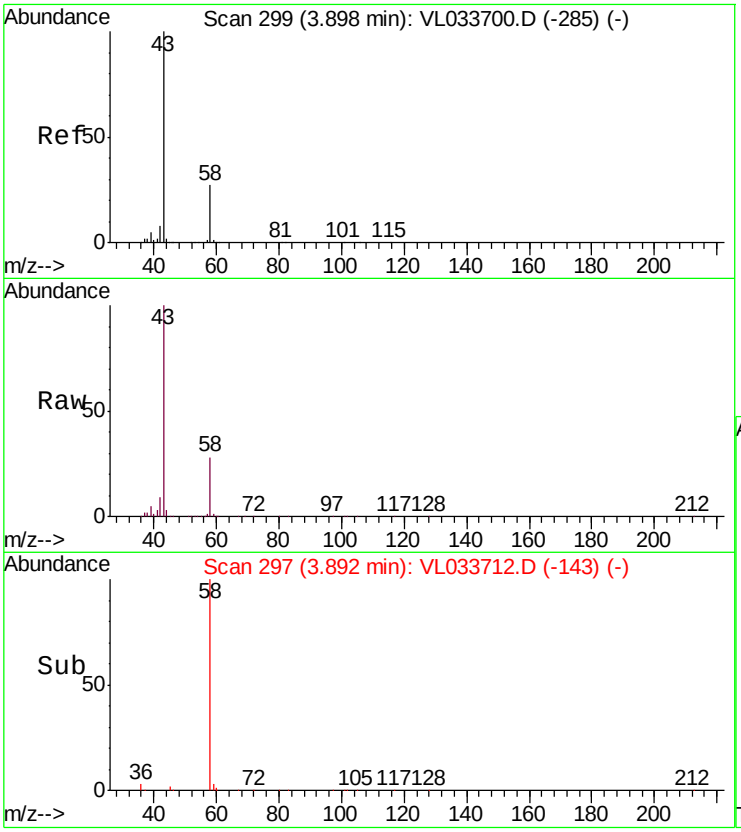


#14
Bromoethene
Concen: 0.047 ppbv
RT: 3.79 min Scan# 264
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion:108 Resp: 2445

Ion	Ratio	Lower	Upper
108	100		
106	154.4	86.5	129.7#
79	0.0	15.1	22.7#



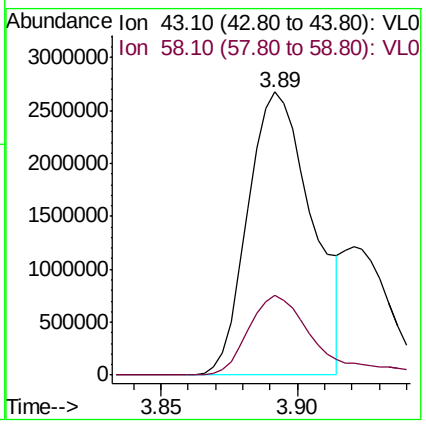


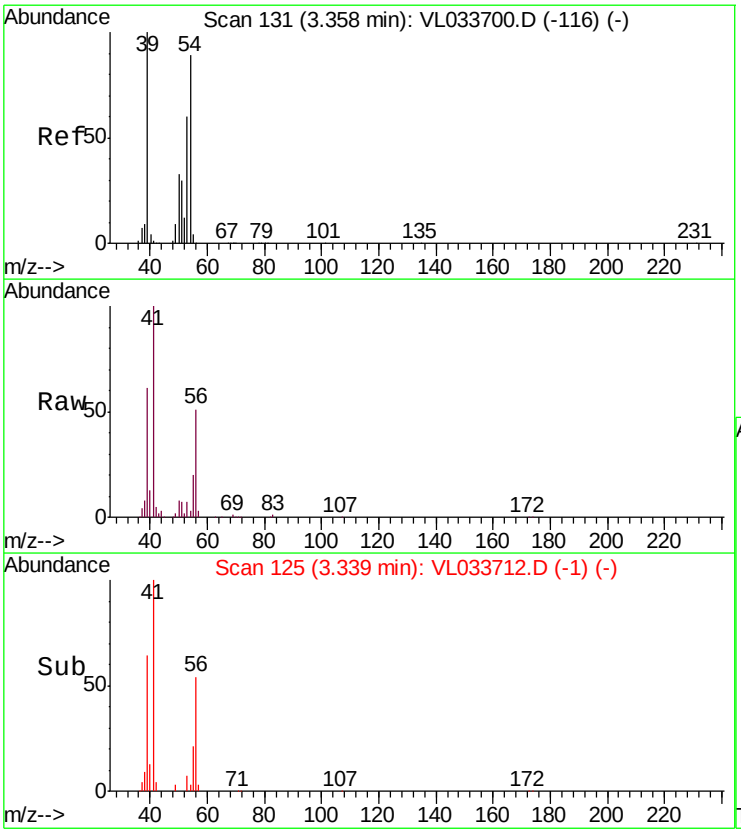
#15
Acetone
Concen: 31.365 ppbv
RT: 3.89 min Scan# 297
Delta R.T. -0.01 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion: 43 Resp: 4359421

Ion	Ratio	Lower	Upper
43	100		
58	29.7	21.3	31.9

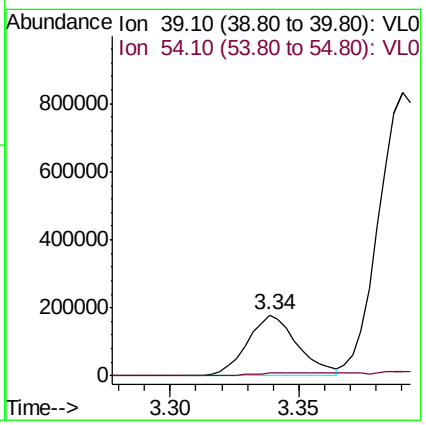


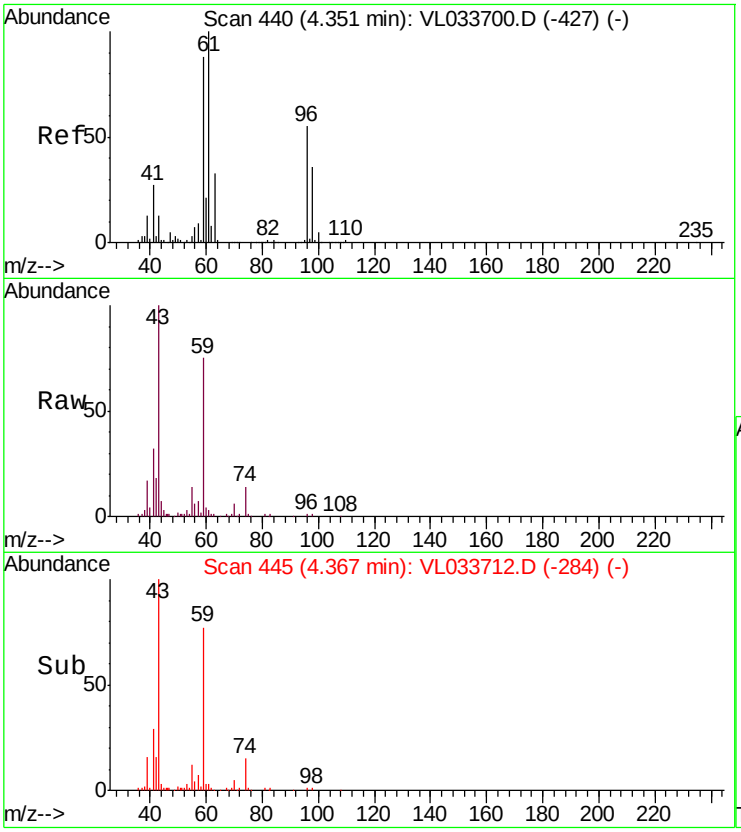


#16
1,3-Butadiene
Concen: 4.382 ppbv
RT: 3.34 min Scan# 125
Delta R.T. -0.02 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 39 Resp: 242511

Ion	Ratio	Lower	Upper
39	100		
54	10.1	69.0	103.6#



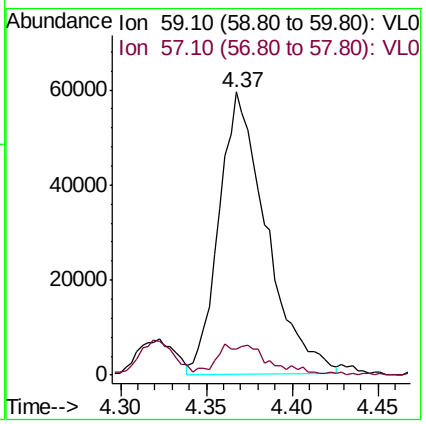


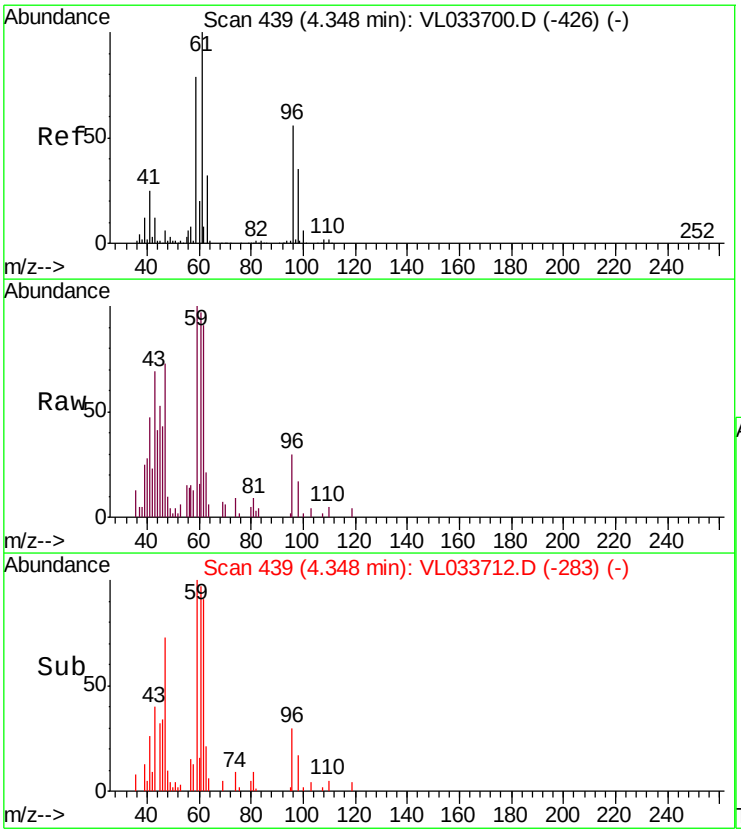
#17
tert-Butyl alcohol
Concen: 1.010 ppbv
RT: 4.37 min Scan# 445
Delta R.T. 0.02 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 59 Resp: 113529

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

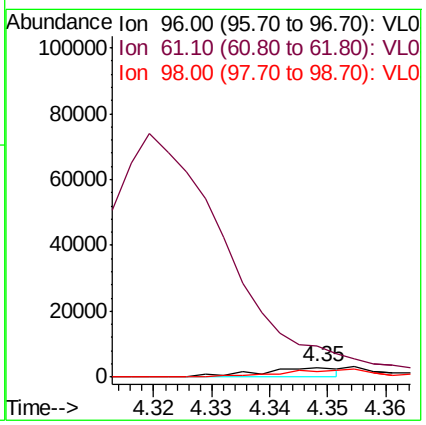


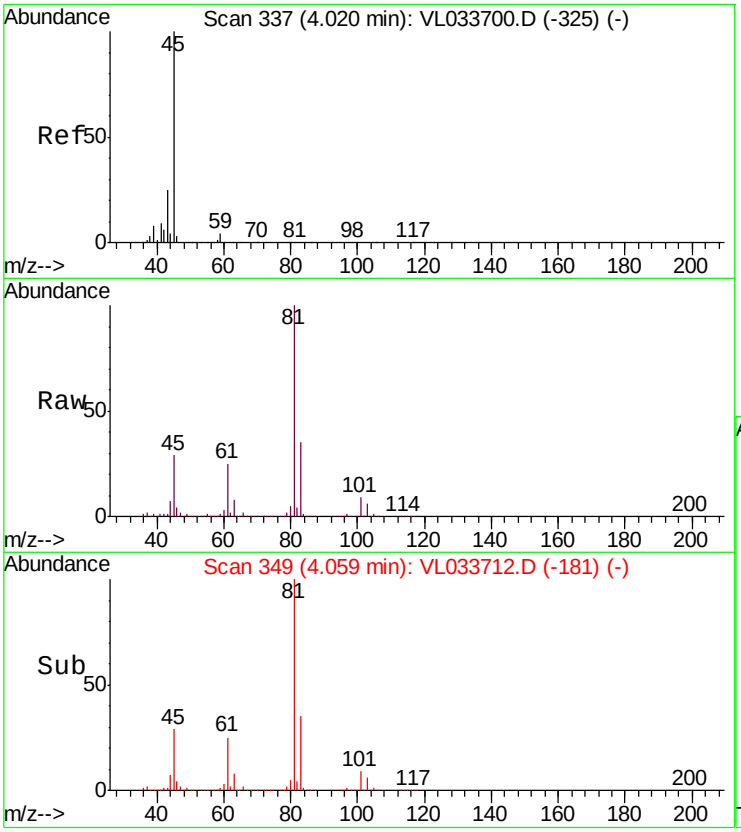


#18
1,1-Dichloroethene
Concen: 0.047 ppbv
RT: 4.35 min Scan# 439
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 96 Resp: 2779

Ion	Ratio	Lower	Upper
96	100		
61	78.4	143.1	214.7#
98	55.7	49.5	74.3



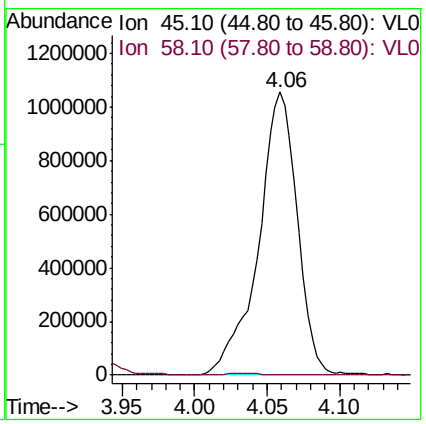


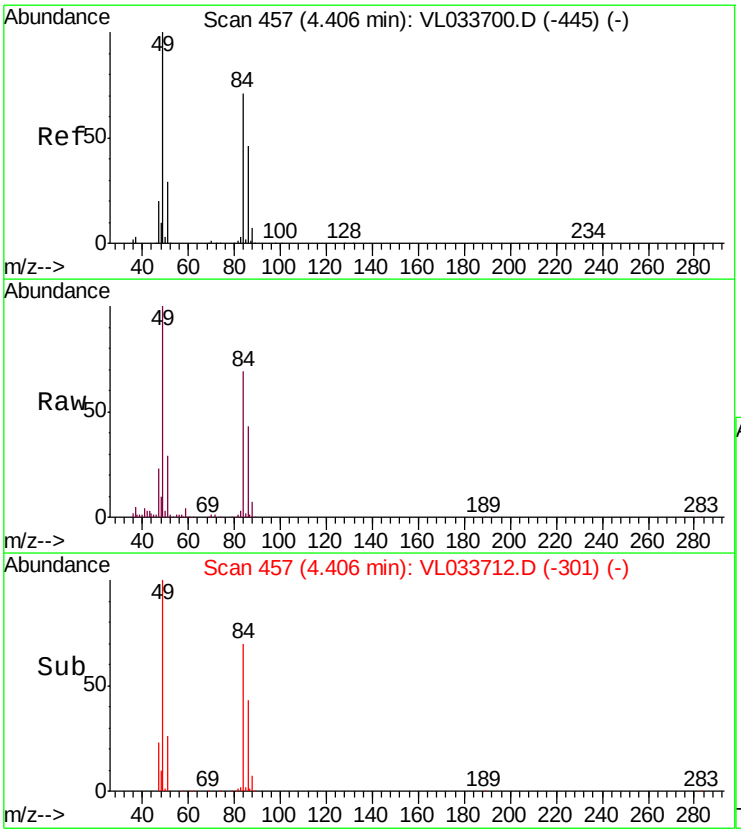
#19
Isopropyl Alcohol
Concen: 21.889 ppbv
RT: 4.06 min Scan# 349
Delta R.T. 0.04 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion: 45 Resp: 1961646

Ion	Ratio	Lower	Upper
45	100		
58	66.0	1.6	2.4#

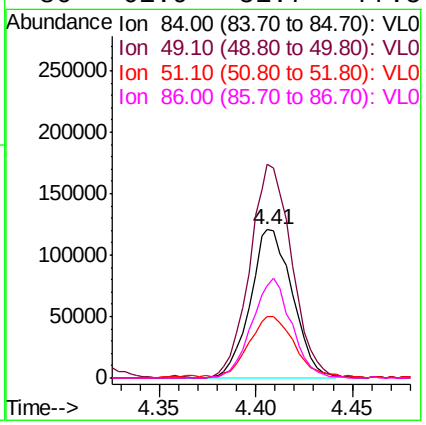


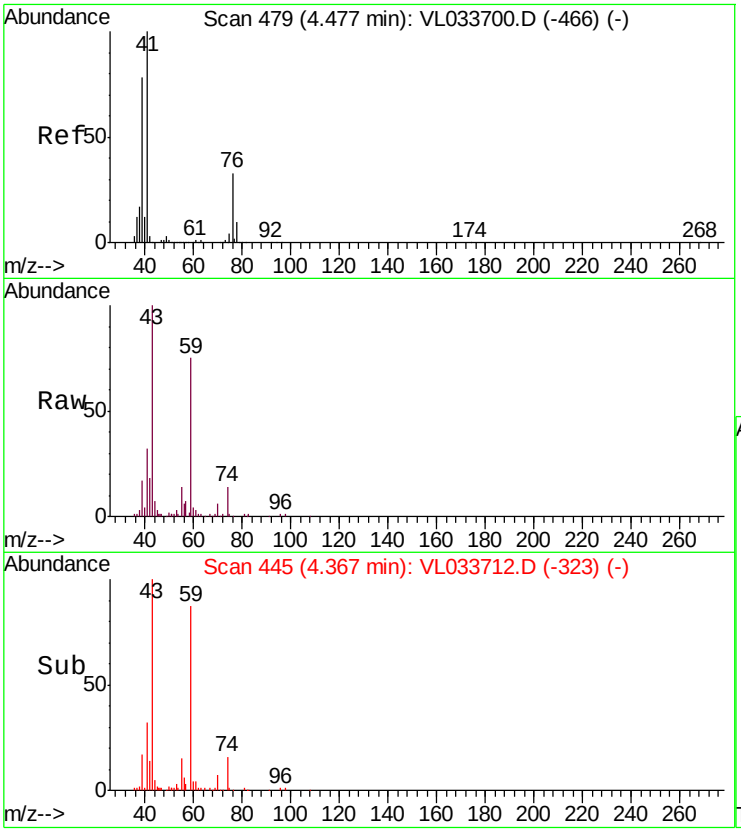


#20
Methylene Chloride
Concen: 3.429 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 84 Resp: 183520

Ion	Ratio	Lower	Upper
84	100		
49	143.5	112.8	169.2
51	39.9	33.4	50.0
86	61.9	51.7	77.5



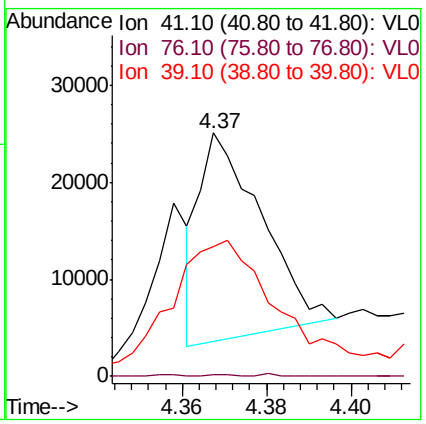


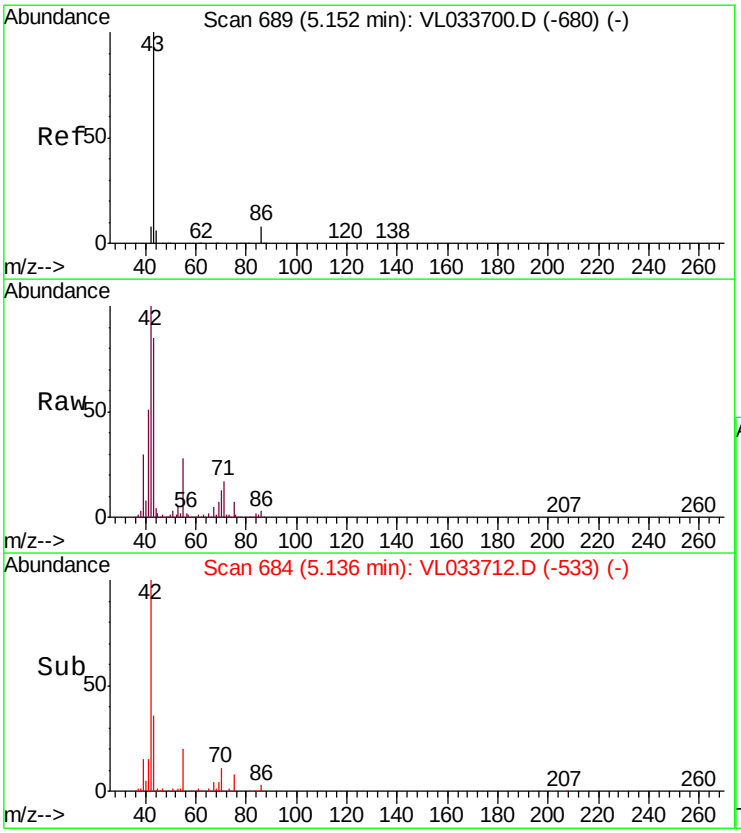
#21
Allyl Chloride
Concen: 0.251 ppbv
RT: 4.37 min Scan# 445
Delta R.T. -0.11 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion: 41 Resp: 21747

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.9	38.9#
39	111.3	64.6	97.0#

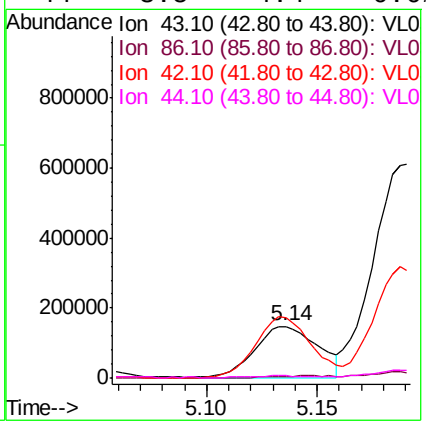


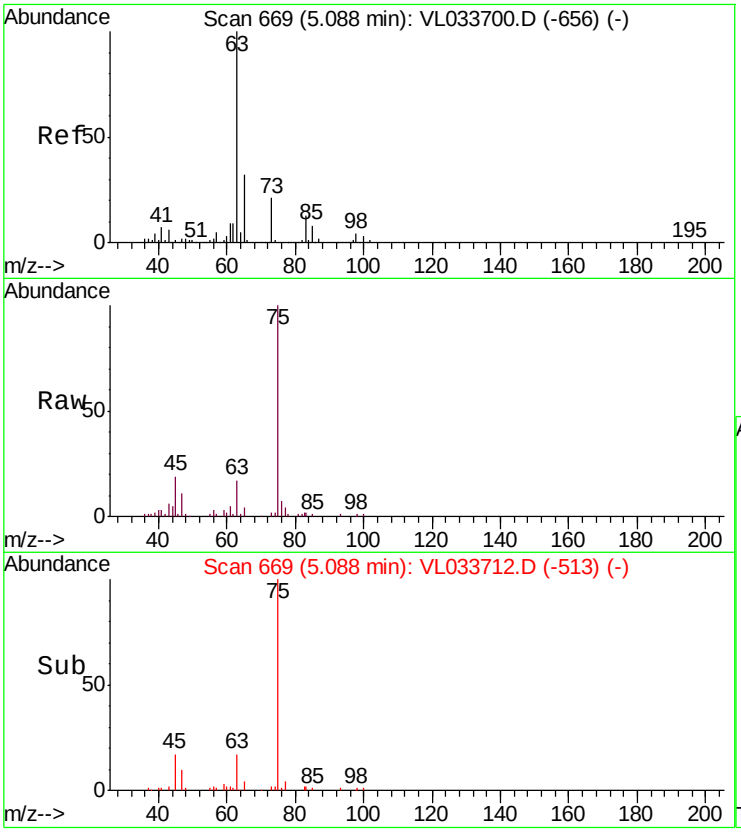


#23
Vinyl Acetate
Concen: 1.573 ppbv
RT: 5.14 min Scan# 684
Delta R.T. -0.02 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 43 Resp: 288287

Ion	Ratio	Lower	Upper
43	100		
86	2.9	6.0	9.0#
42	120.3	7.5	11.3#
44	3.5	4.4	6.6#



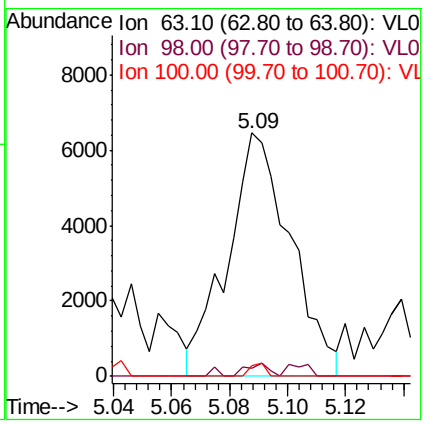


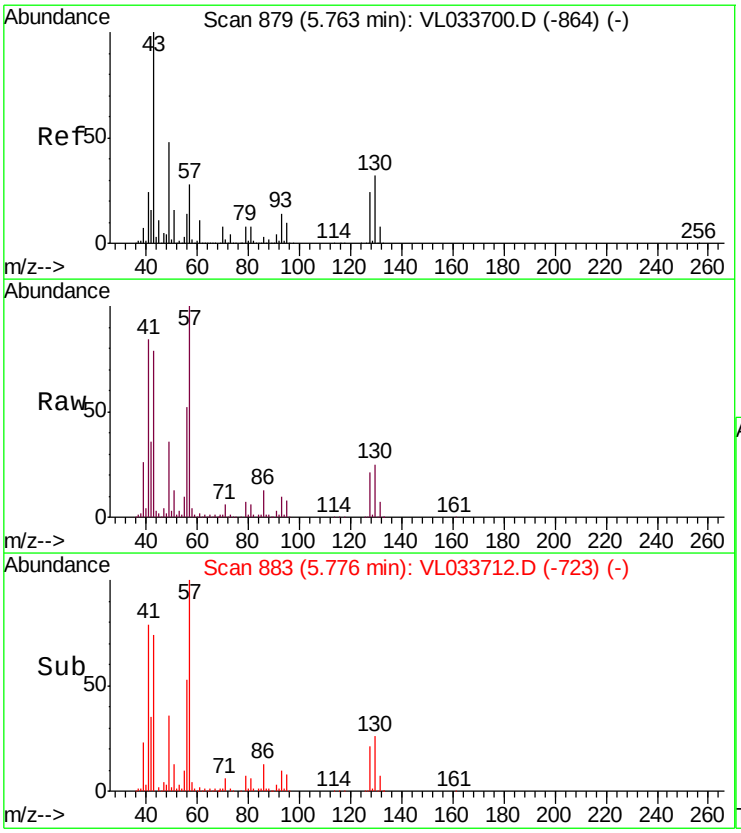
#24
1,1-Dichloroethane
Concen: 0.070 ppbv
RT: 5.09 min Scan# 669
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion: 63 Resp: 9732

Ion	Ratio	Lower	Upper
63	100		
98	3.3	1.8	5.5
100	4.9	1.4	4.2#

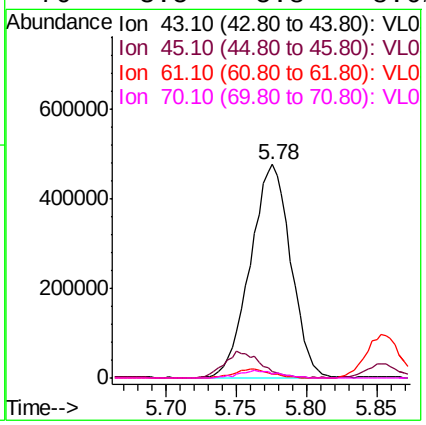


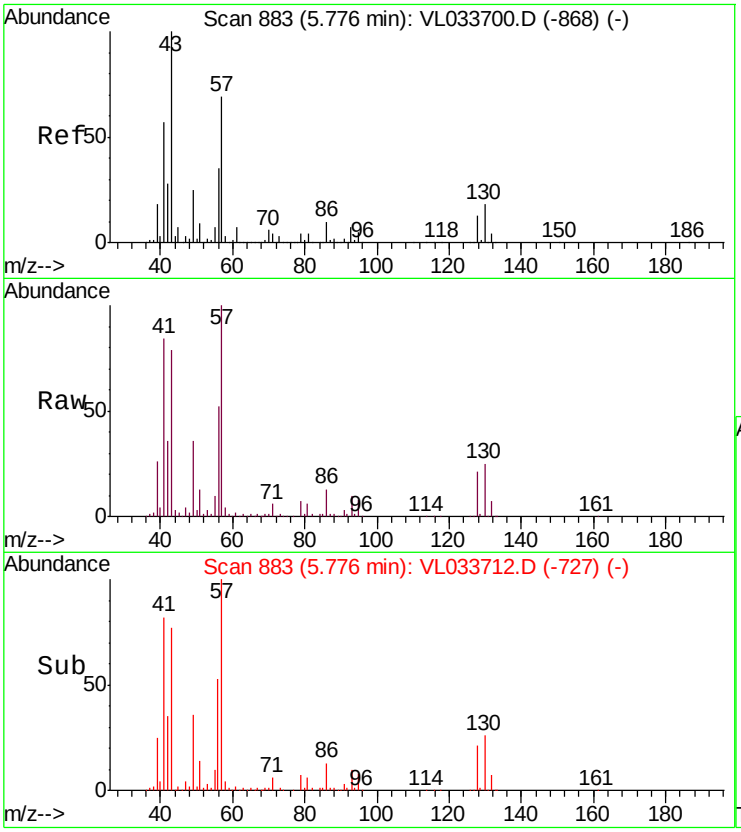


#25
Ethyl Acetate
Concen: 3.911 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.01 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 43 Resp: 954822

Ion	Ratio	Lower	Upper
43	100		
45	11.4	7.9	11.9
61	4.0	7.7	11.5#
70	3.5	5.8	8.6#



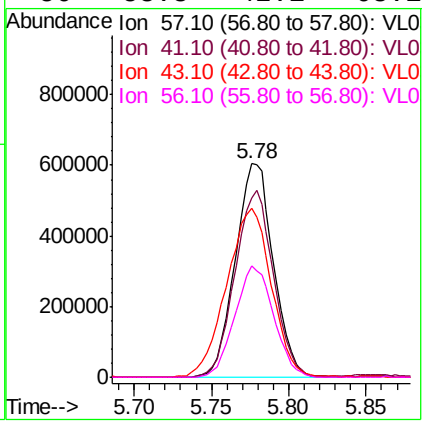


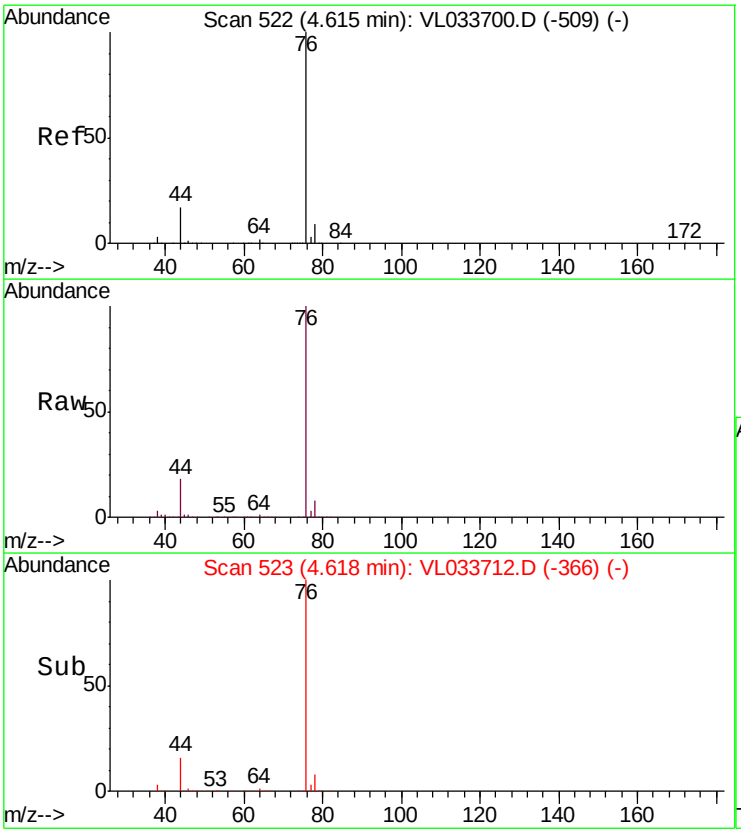
#26
Hexane
Concen: 9.845 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion: 57 Resp: 1033365

Ion	Ratio	Lower	Upper
57	100		
41	88.1	69.8	104.6
43	92.4	181.8	272.6#
56	53.3	42.1	63.1

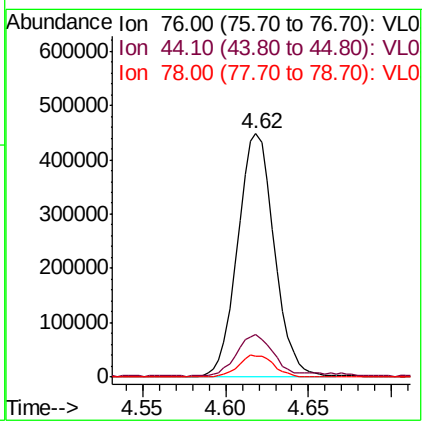


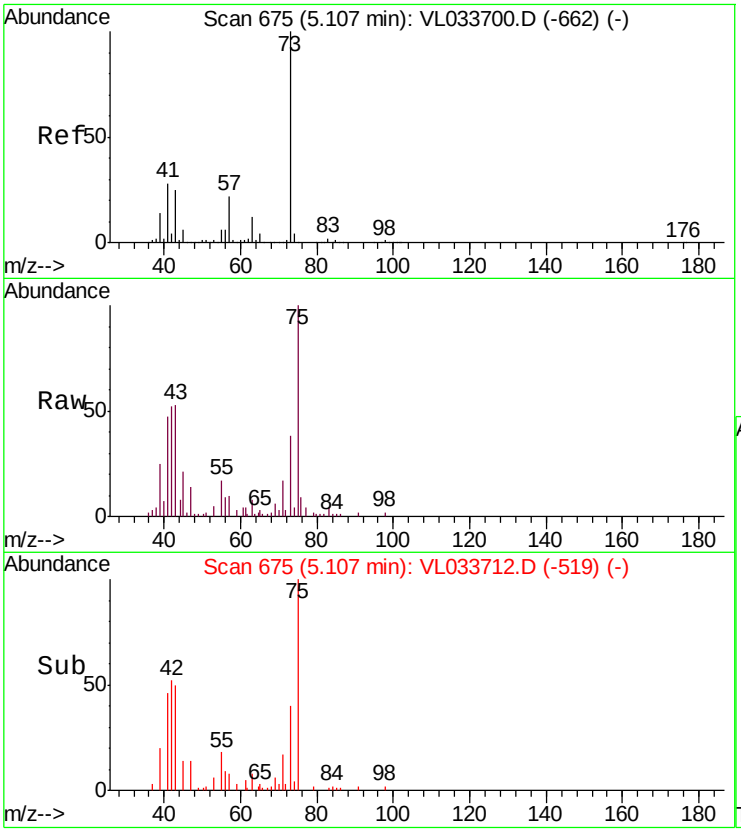


#27
Carbon Disulfide
Concen: 4.781 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 76 Resp: 688486

Ion	Ratio	Lower	Upper
76	100		
44	18.6	13.8	20.8
78	9.1	7.4	11.0



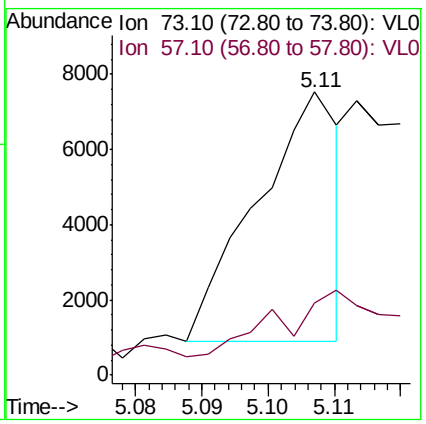


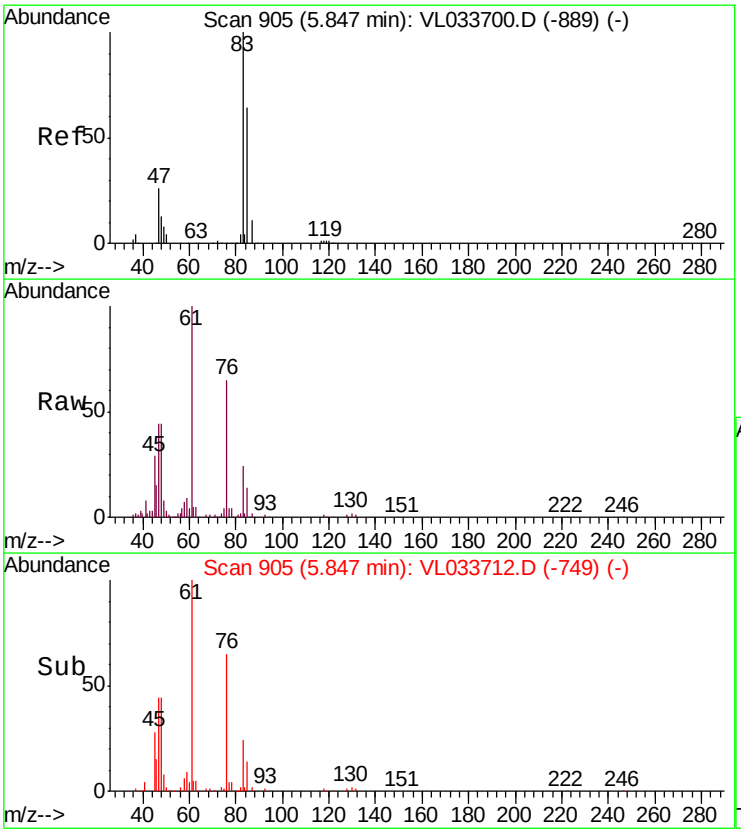
#28
Methyl tert-Butyl Ether
Concen: 0.033 ppbv
RT: 5.11 min Scan# 675
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 73 Resp: 5729

Ion	Ratio	Lower	Upper
73	100		
57	0.0	17.4	26.2#

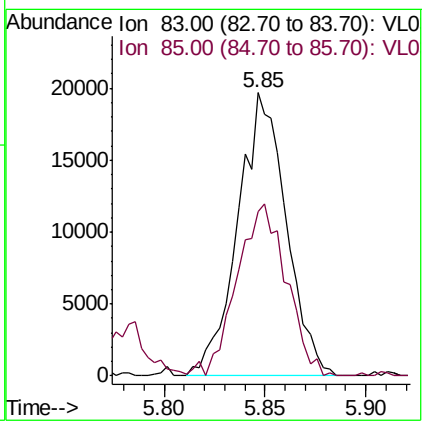


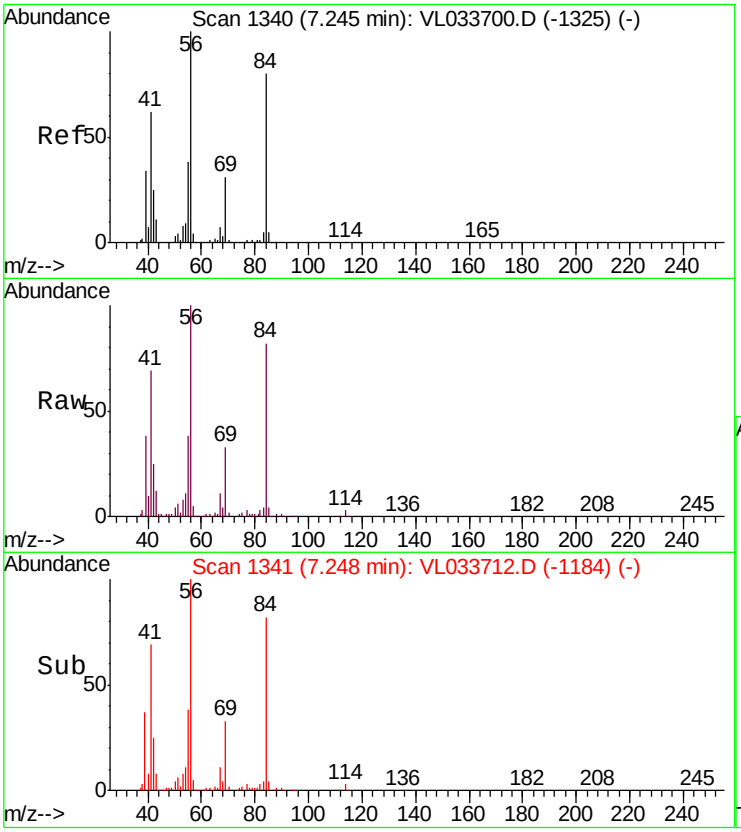


#29
Chloroform
Concen: 0.171 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 83 Resp: 33022

Ion	Ratio	Lower	Upper
83	100		
85	58.0	51.5	77.3



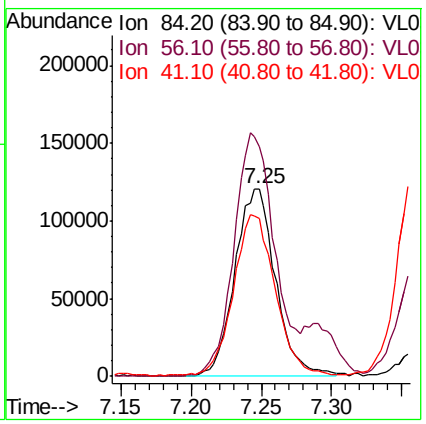


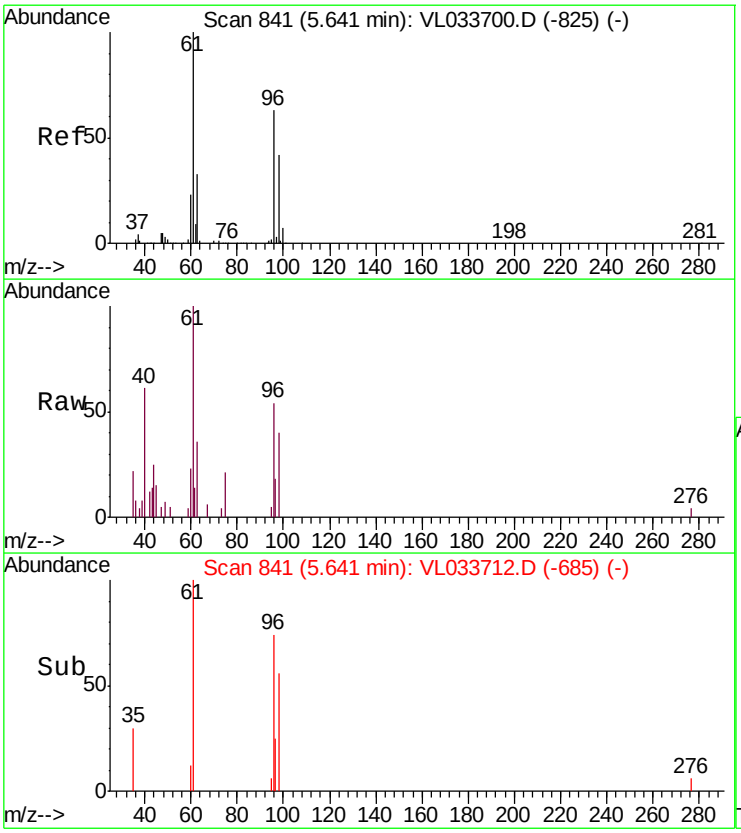
#30
Cyclohexane
Concen: 2.764 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 84 Resp: 243894

Ion	Ratio	Lower	Upper
84	100		
56	151.8	107.7	161.5
41	87.9	66.0	99.0

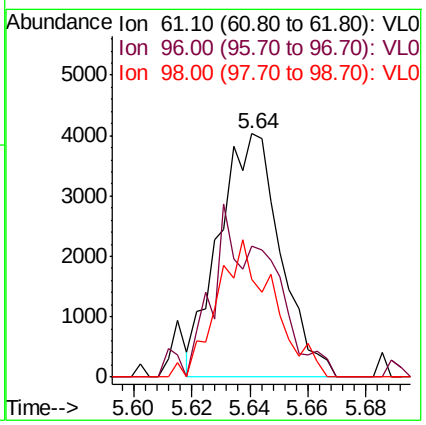


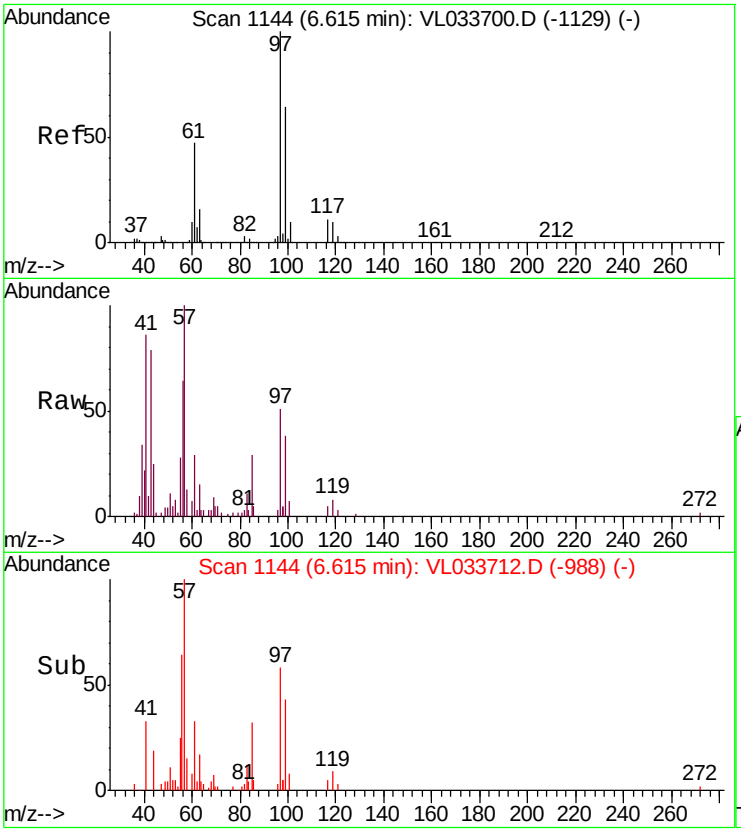


#31
cis-1,2-Dichloroethene
Concen: 0.057 ppbv
RT: 5.64 min Scan# 841
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 61 Resp: 5956

Ion	Ratio	Lower	Upper
61	100		
96	62.6	50.8	76.2
98	35.3	33.3	49.9



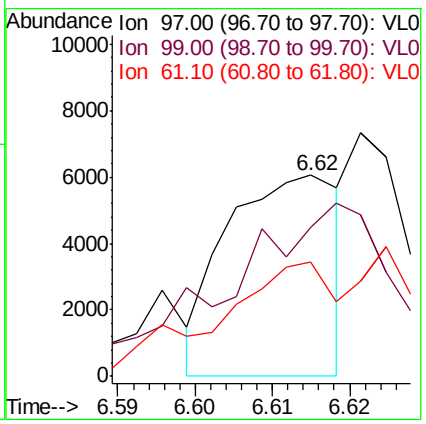


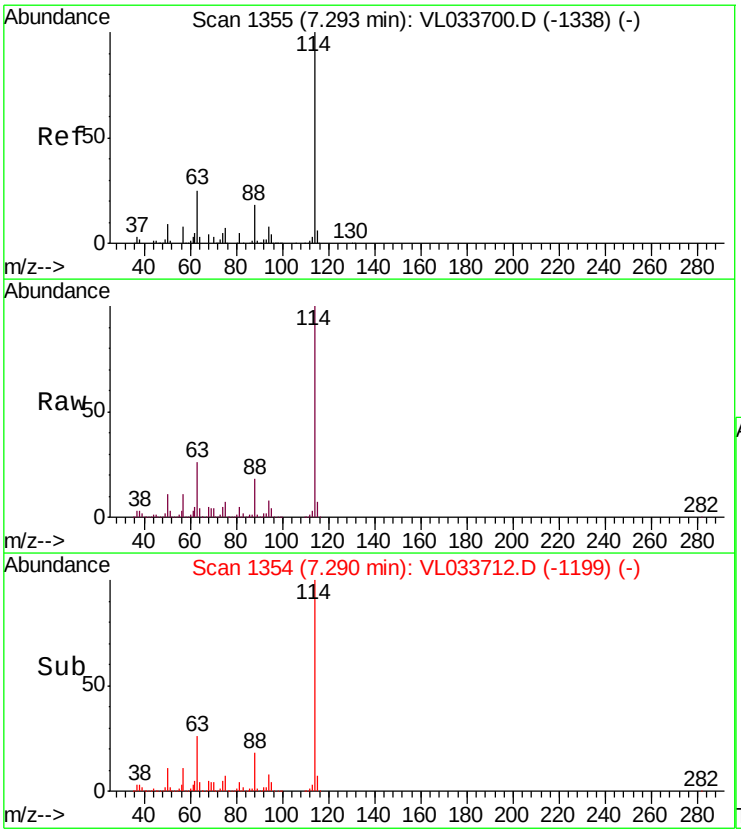
#32
1,1,1-Trichloroethane
Concen: 0.032 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion: 97 Resp: 6111

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

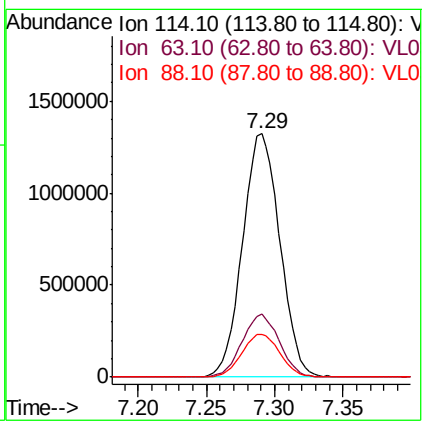


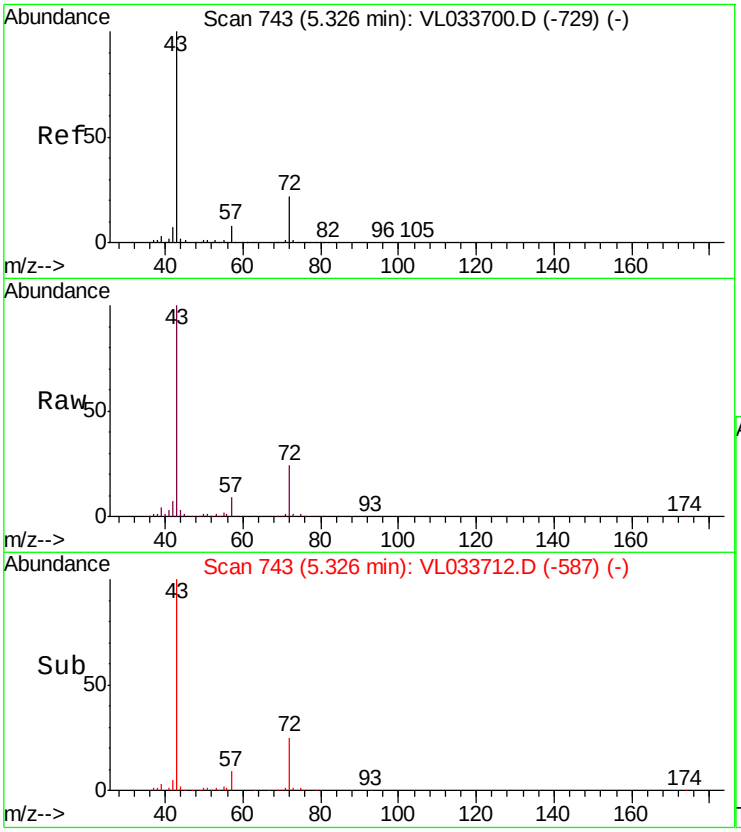


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion:114 Resp: 2516254

Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.9	31.3
88	17.8	14.3	21.5



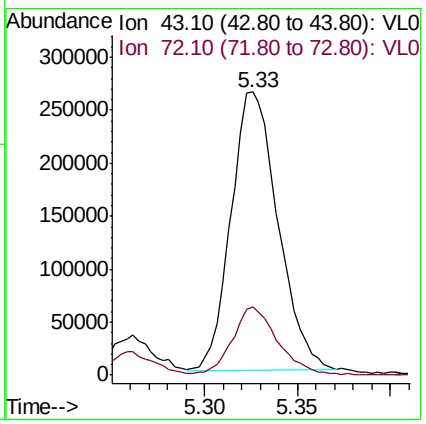


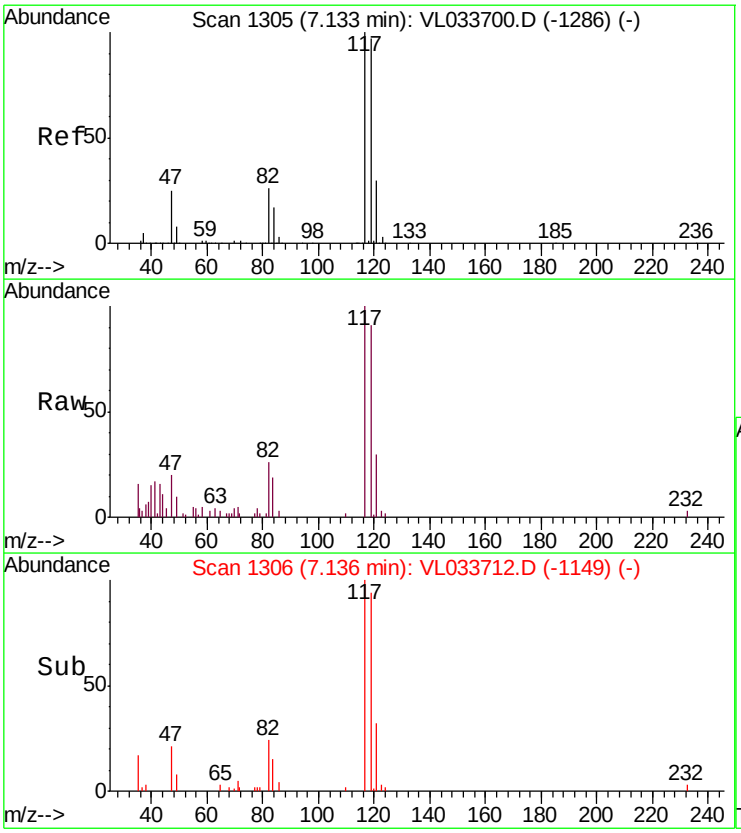
#34
2-Butanone
Concen: 2.951 ppbv
RT: 5.33 min Scan# 743
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 43 Resp: 460260

Ion	Ratio	Lower	Upper
43	100		
72	24.1	17.8	26.6

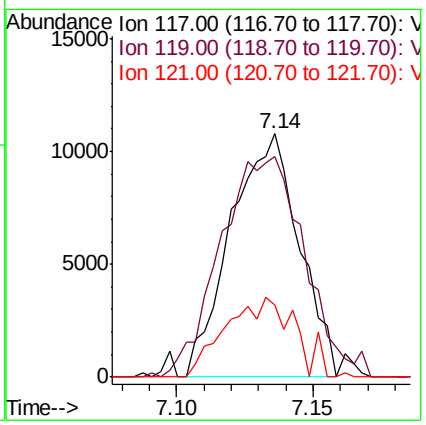


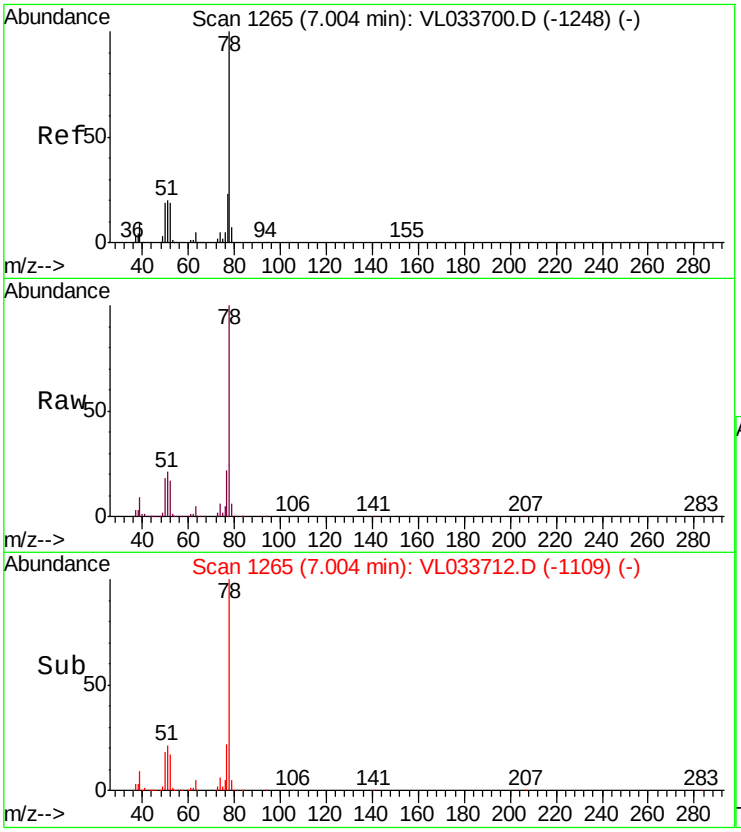


#35
Carbon Tetrachloride
Concen: 0.093 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion:117 Resp: 18789

Ion	Ratio	Lower	Upper
117	100		
119	79.8	77.2	115.8
121	29.8	24.1	36.1



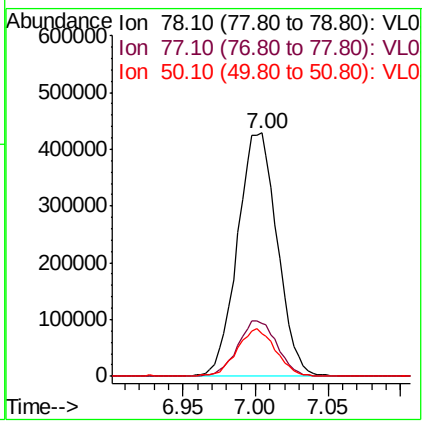


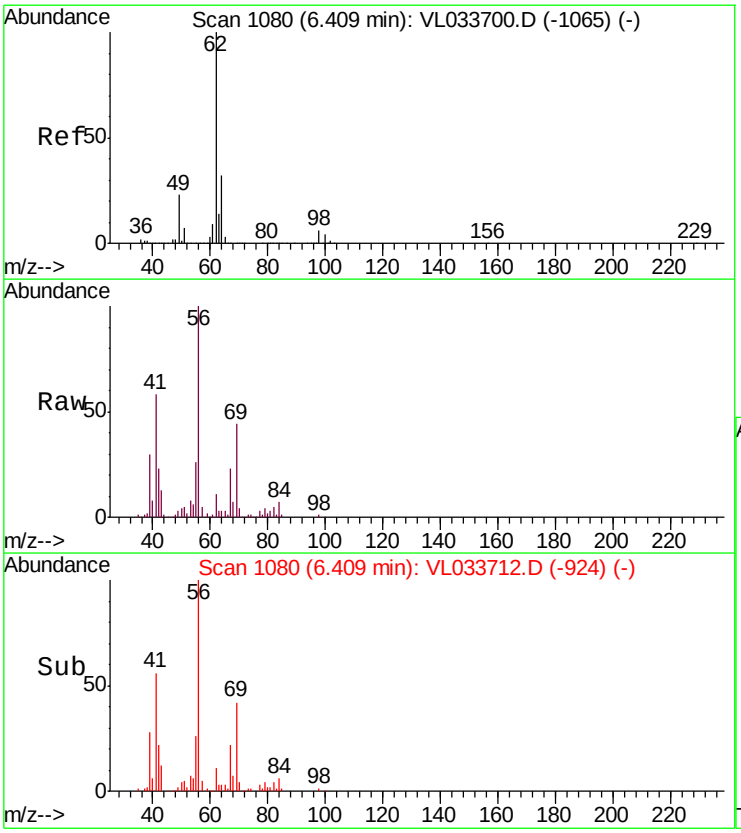
#36
Benzene
Concen: 3.569 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 78 Resp: 816920

Ion	Ratio	Lower	Upper
78	100		
77	21.6	18.4	27.6
50	17.6	15.5	23.3

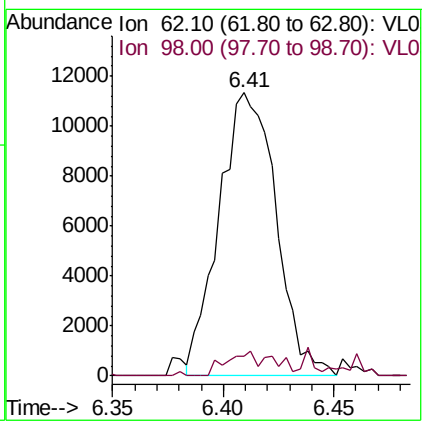


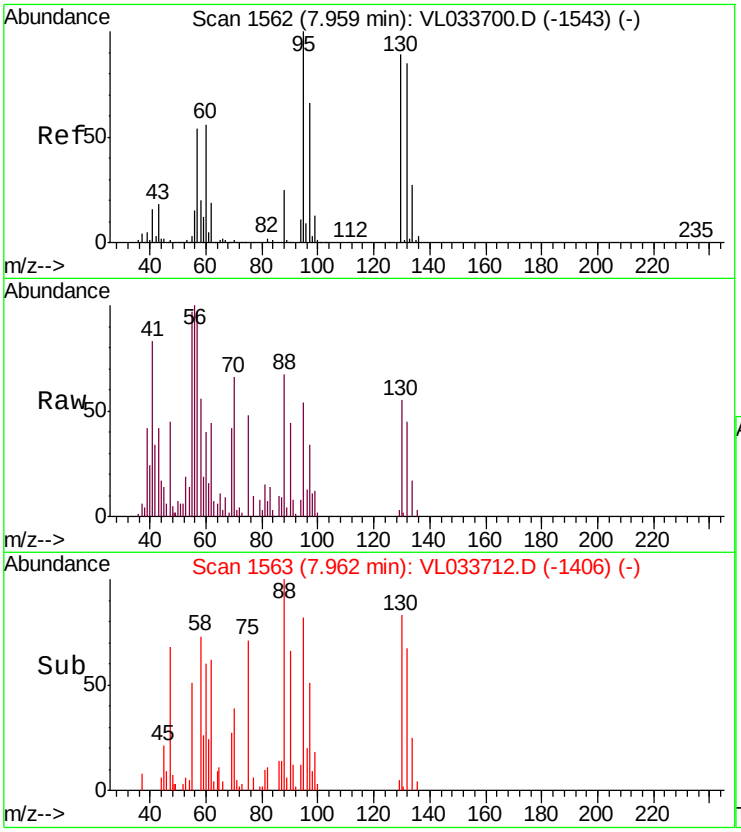


#37
1,2-Dichloroethane
Concen: 0.138 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 62 Resp: 20396

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.5	6.7#



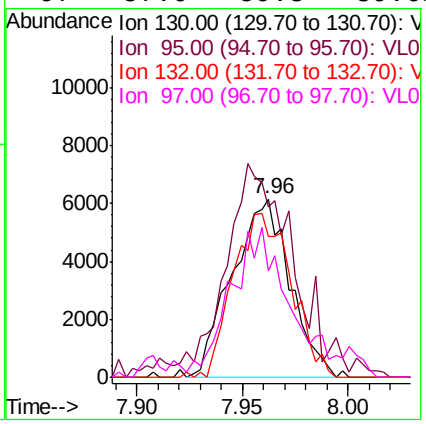


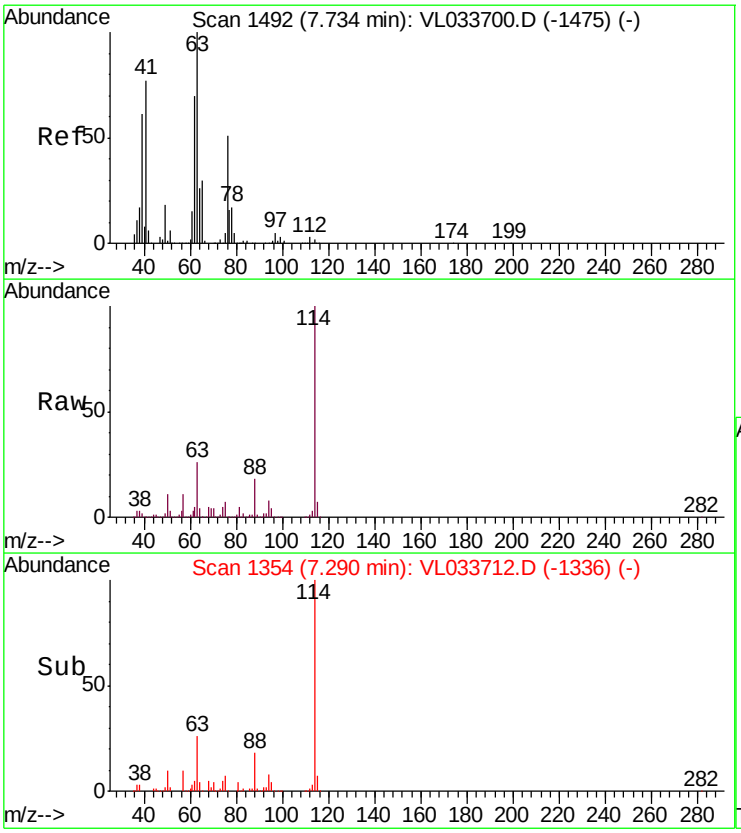
#38
Trichloroethene
Concen: 0.138 ppbv
RT: 7.96 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion:130 Resp: 11731

Ion	Ratio	Lower	Upper
130	100		
95	81.1	90.2	135.4#
132	78.8	76.4	114.6
97	57.0	59.8	89.6#

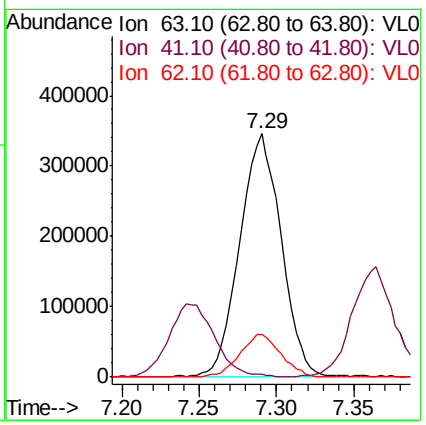


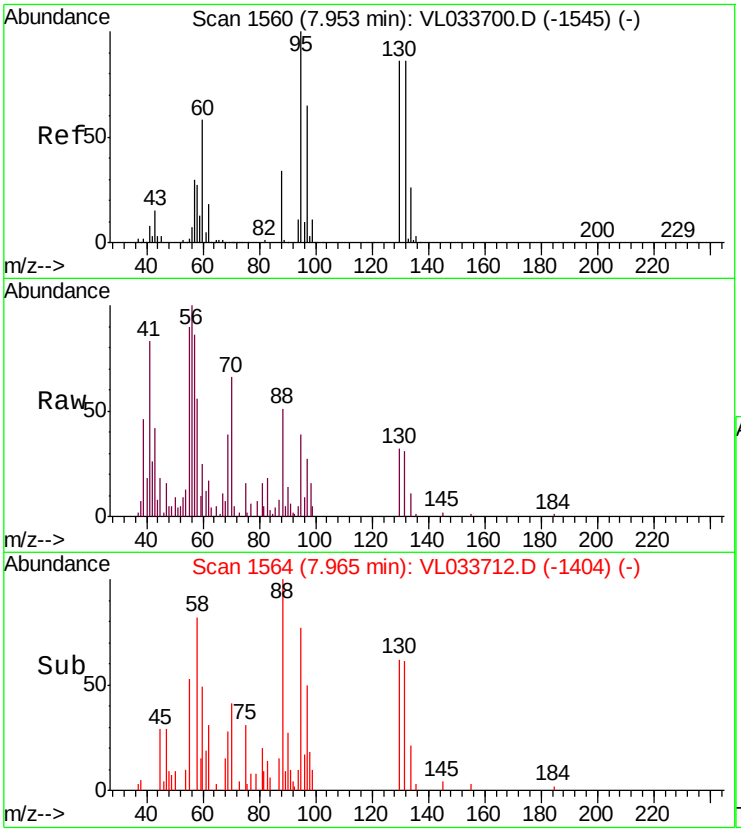


#39
1,2-Dichloropropane
Concen: 7.479 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.44 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 63 Resp: 638246

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.5	92.3#
62	17.2	56.2	84.4#



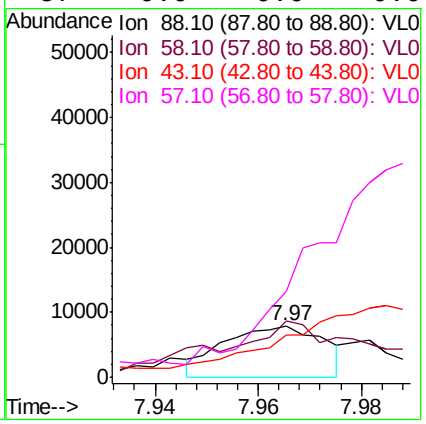


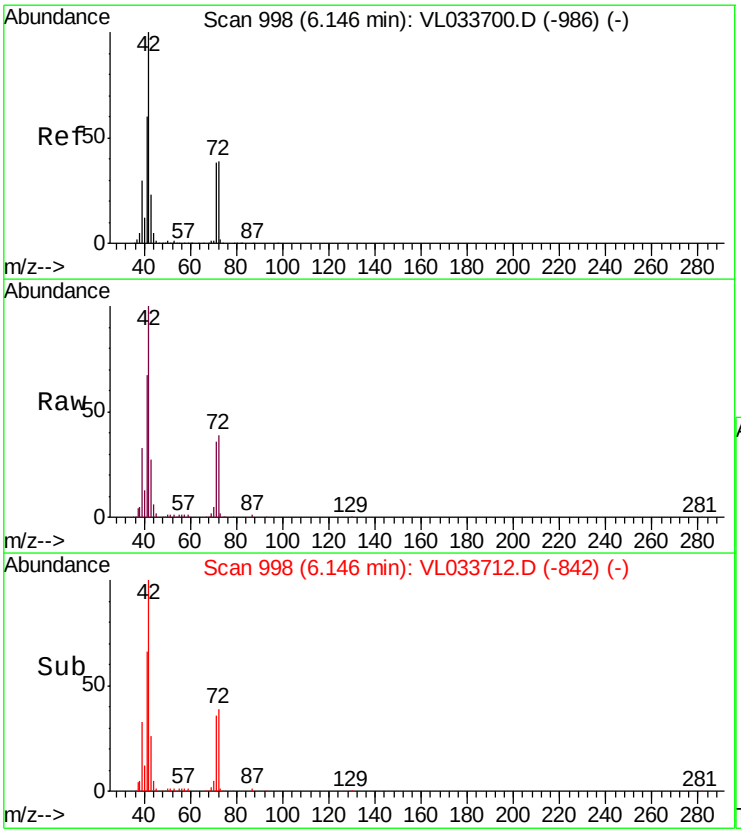
#40
1,4-Dioxane
Concen: 0.295 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion: 88 Resp: 10524

Ion	Ratio	Lower	Upper
88	100		
58	206.6	101.8	152.6#
43	0.0	0.0	0.0
57	0.0	0.0	0.0

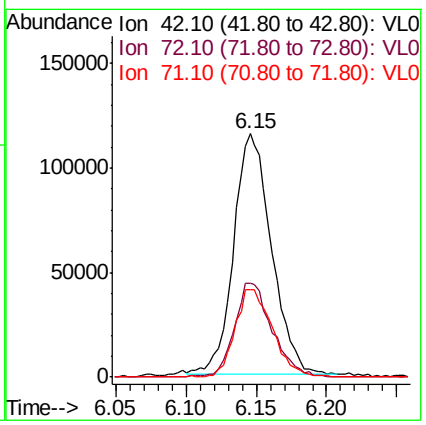


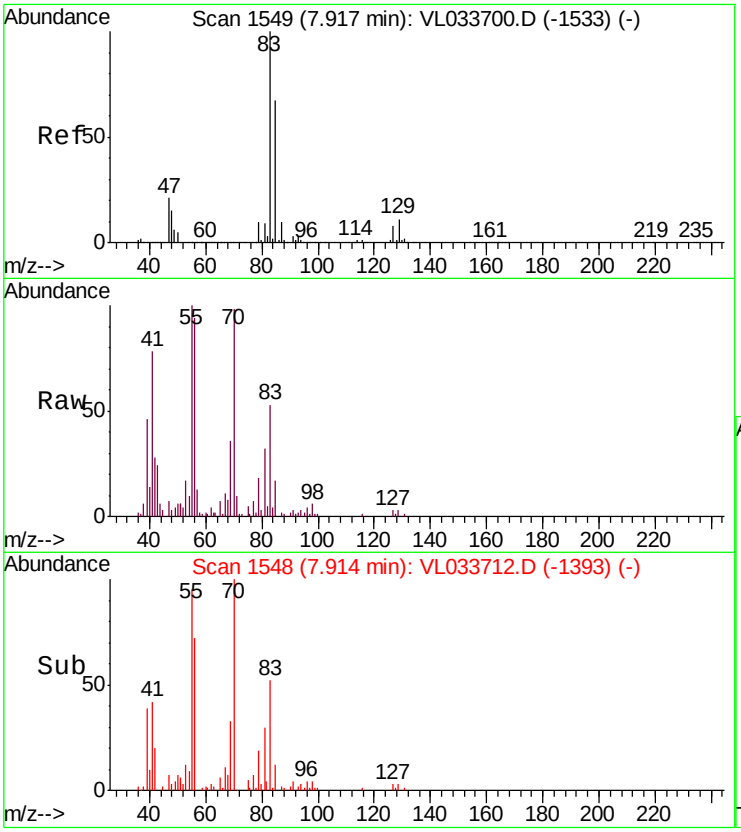


#41
Tetrahydrofuran
Concen: 2.486 ppbv
RT: 6.15 min Scan# 998
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 42 Resp: 217218

Ion	Ratio	Lower	Upper
42	100		
72	38.9	32.0	48.0
71	36.2	30.4	45.6



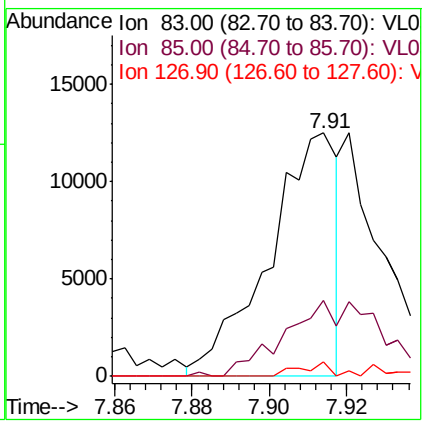


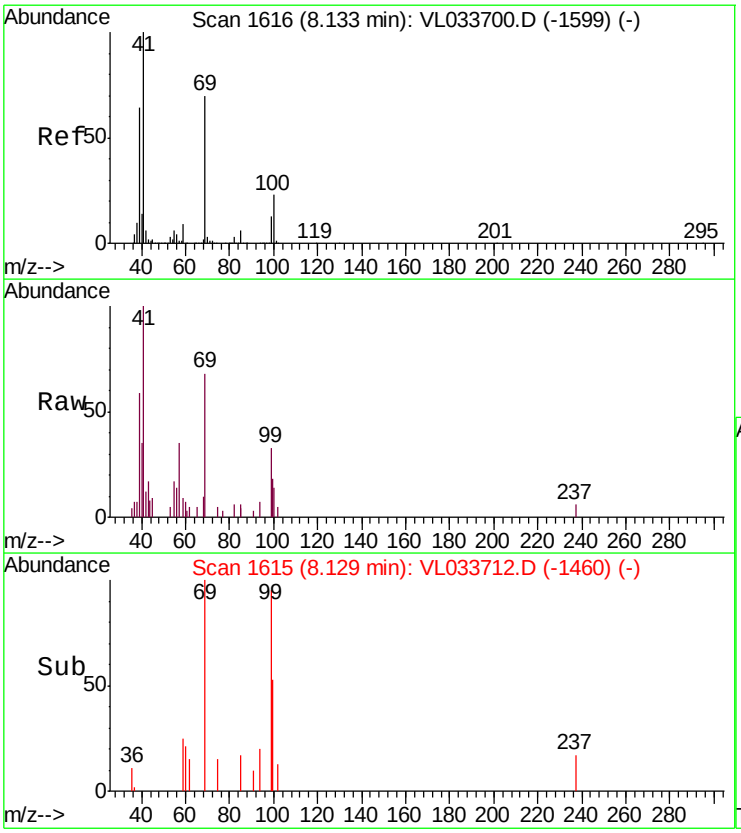
#42
Bromodichloromethane
Concen: 0.076 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion: 83 Resp: 15320

Ion	Ratio	Lower	Upper
83	100		
85	32.4	53.3	79.9#
127	6.5	6.5	9.7#

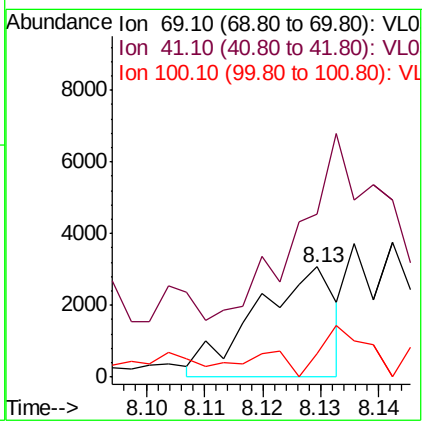


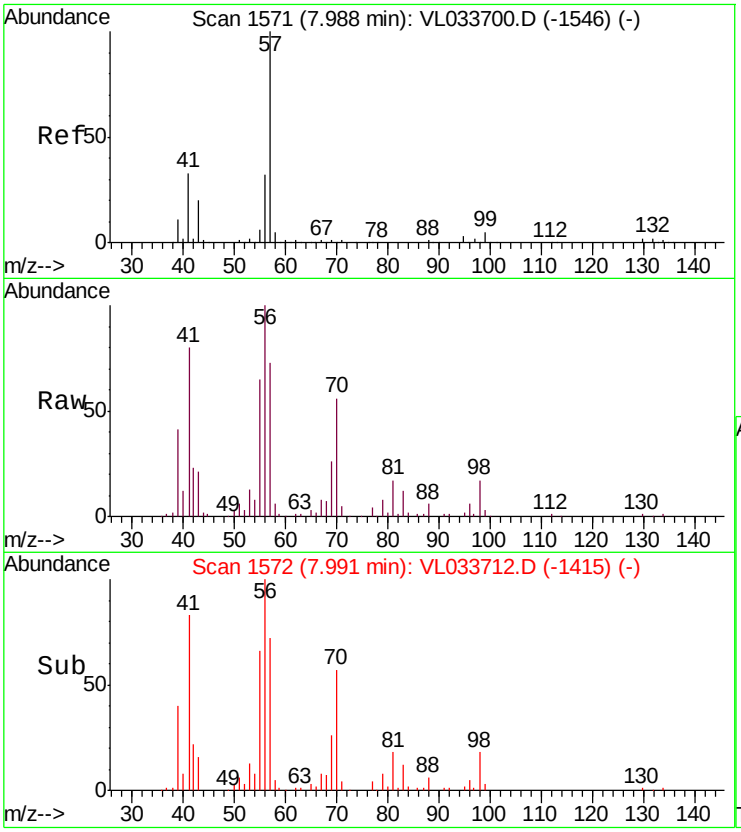


#43
Methyl Methacrylate
Concen: 0.035 ppbv
RT: 8.13 min Scan# 1615
Delta R.T. -0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 69 Resp: 2907

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



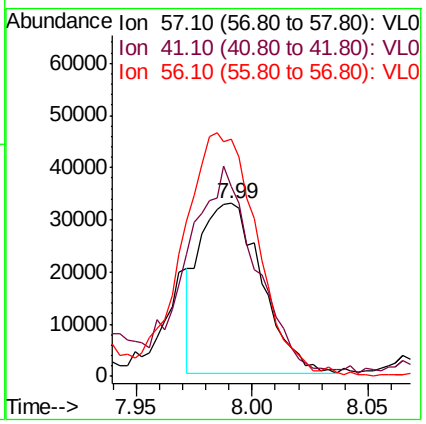


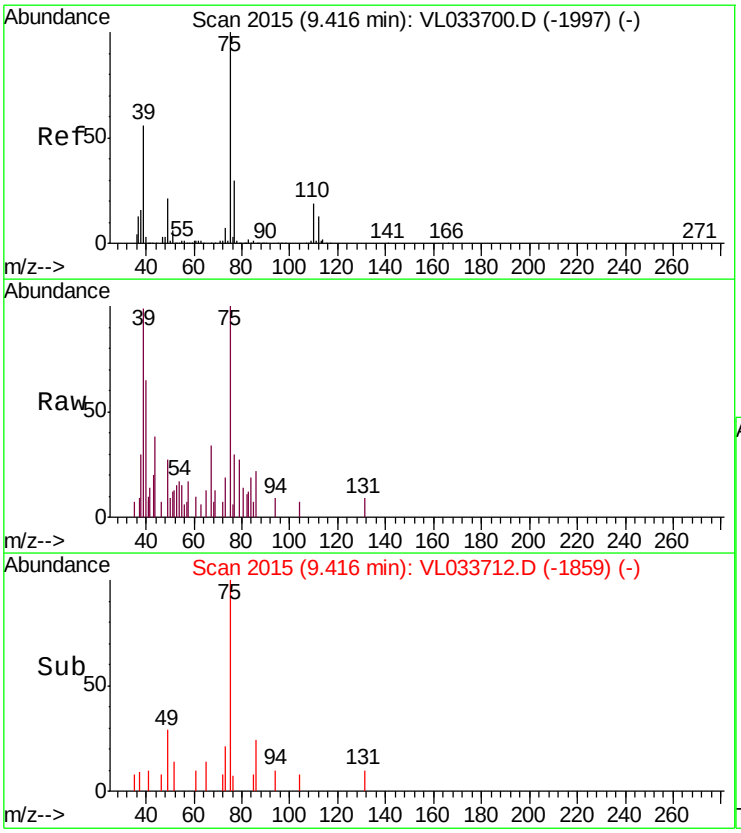
#44
2,2,4-Trimethylpentane
Concen: 0.157 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion: 57 Resp: 60796

Ion	Ratio	Lower	Upper
57	100		
41	128.6	25.4	38.0#
56	171.4	24.7	37.1#

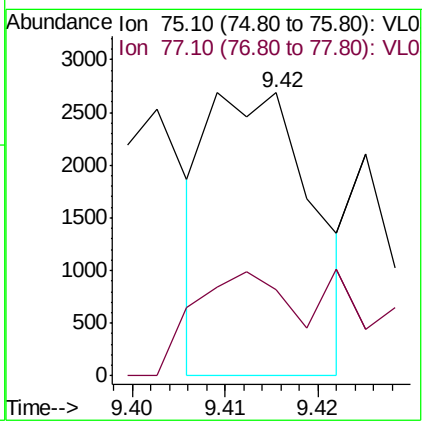


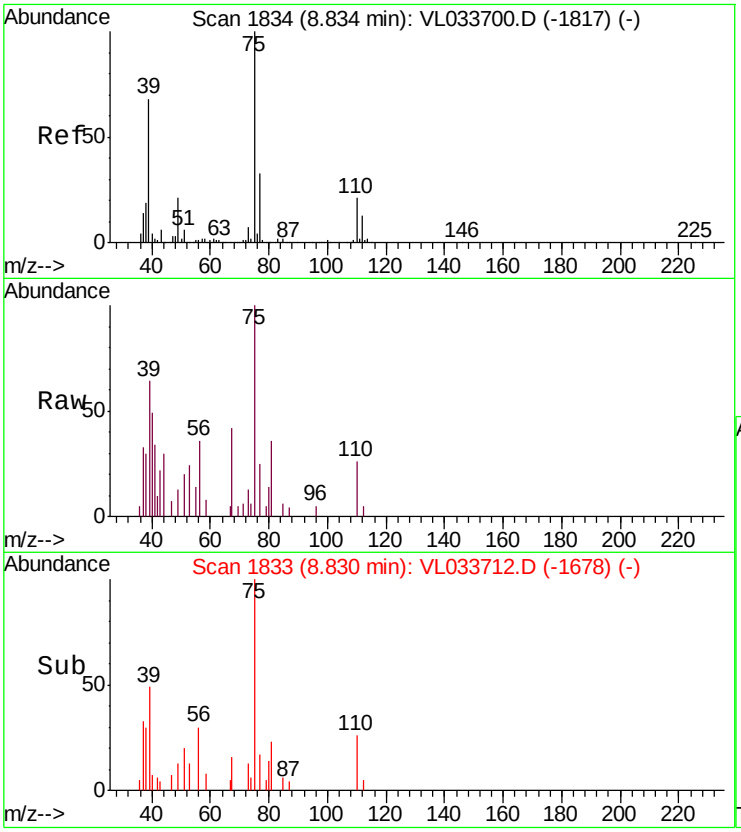


#45
t-1,3-Dichloropropene
Concen: 0.020 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 75 Resp: 2093

Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.4	36.6



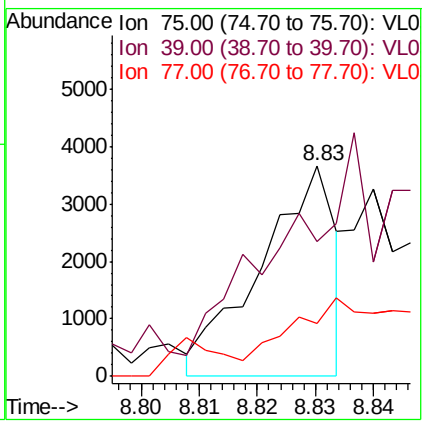


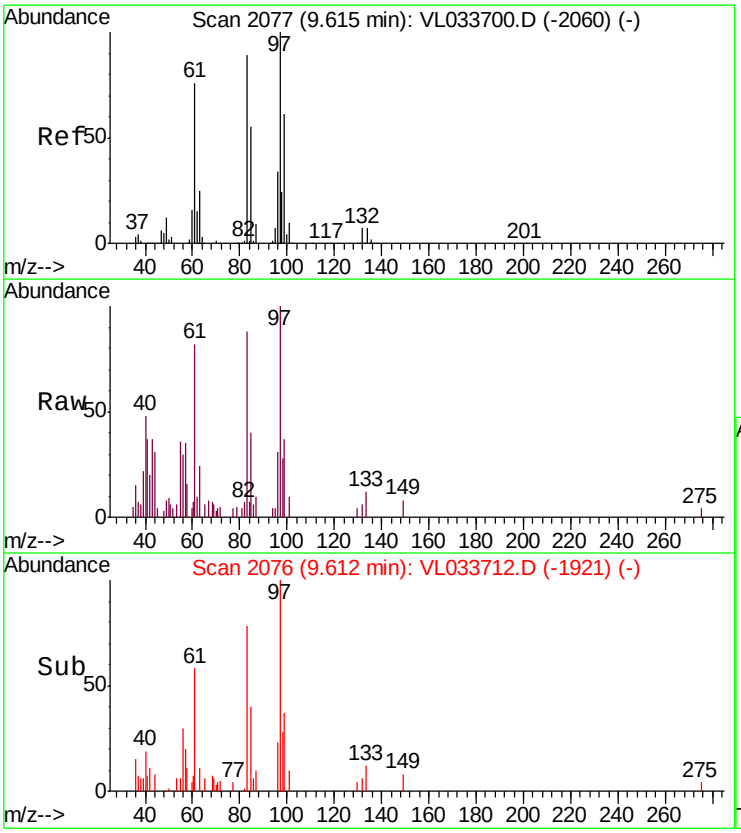
#46
cis-1,3-Dichloropropene
Concen: 0.026 ppbv
RT: 8.83 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion: 75 Resp: 3283

Ion	Ratio	Lower	Upper
75	100		
39	60.1	54.4	81.6
77	7.5	26.6	39.8#

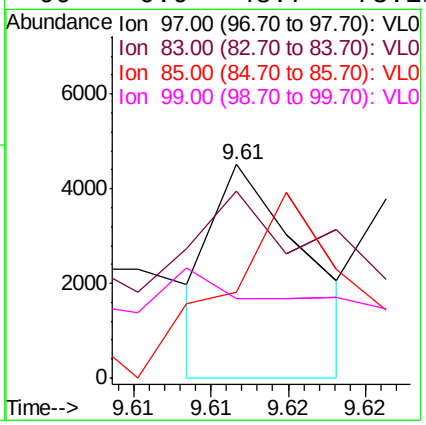


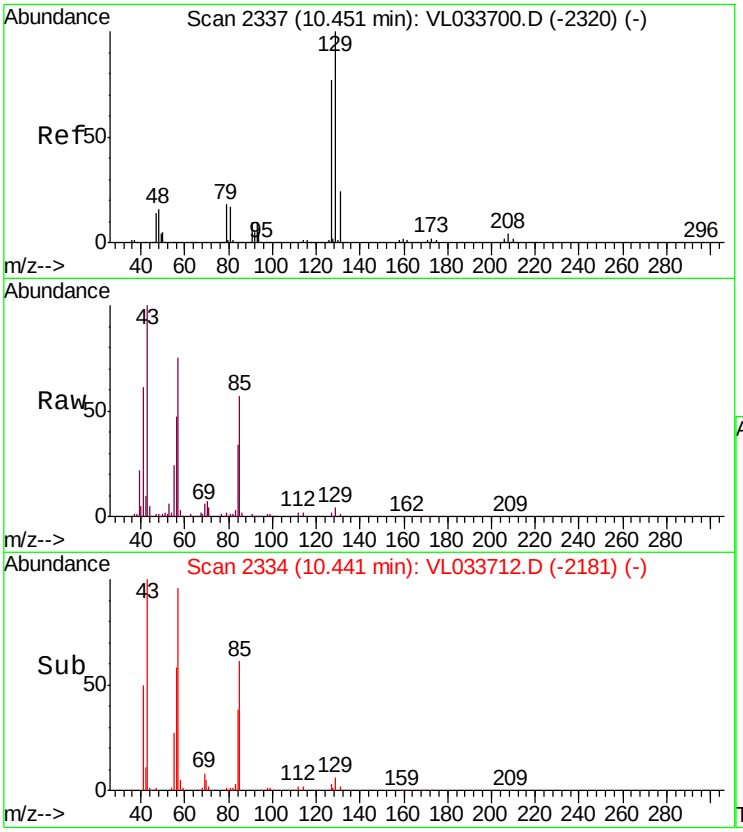


#47
1,1,2-Trichloroethane
Concen: 0.019 ppbv
RT: 9.61 min Scan# 2076
Delta R.T. -0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 97 Resp: 1846

Ion	Ratio	Lower	Upper
97	100		
83	49.7	70.8	106.2#
85	9.5	43.7	65.5#
99	0.0	48.7	73.1#



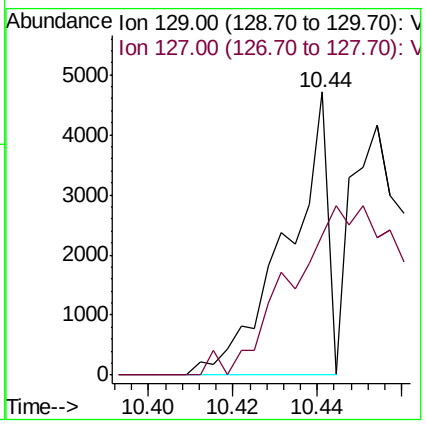


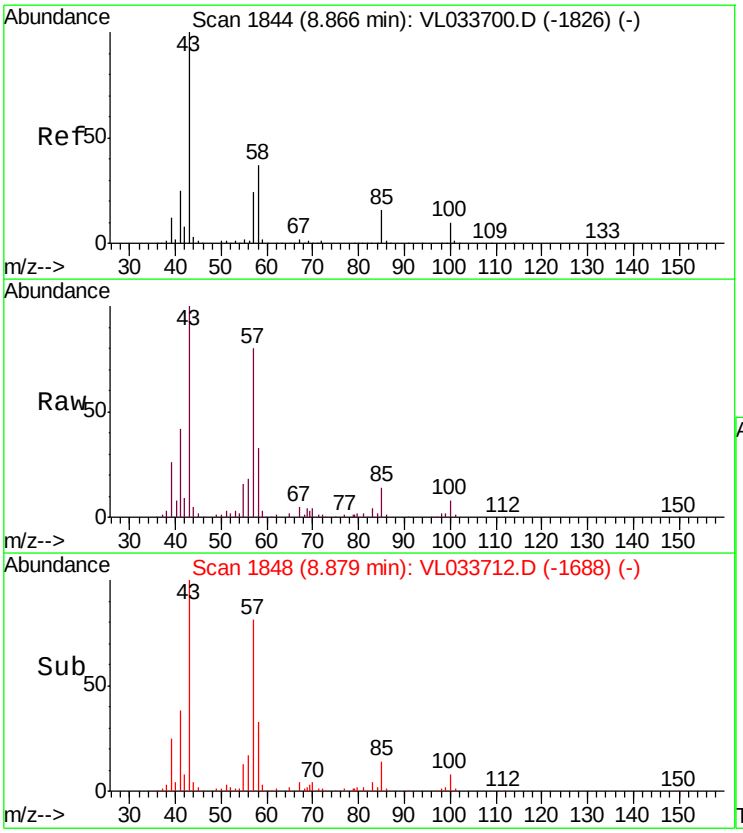
#48
Dibromochloromethane
Concen: 0.019 ppbv
RT: 10.44 min Scan# 2334
Delta R.T. -0.01 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion:129 Resp: 3157

Ion	Ratio	Lower	Upper
129	100		
127	0.0	38.6	116.0#

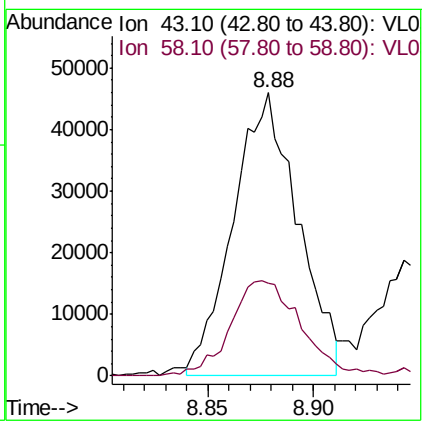


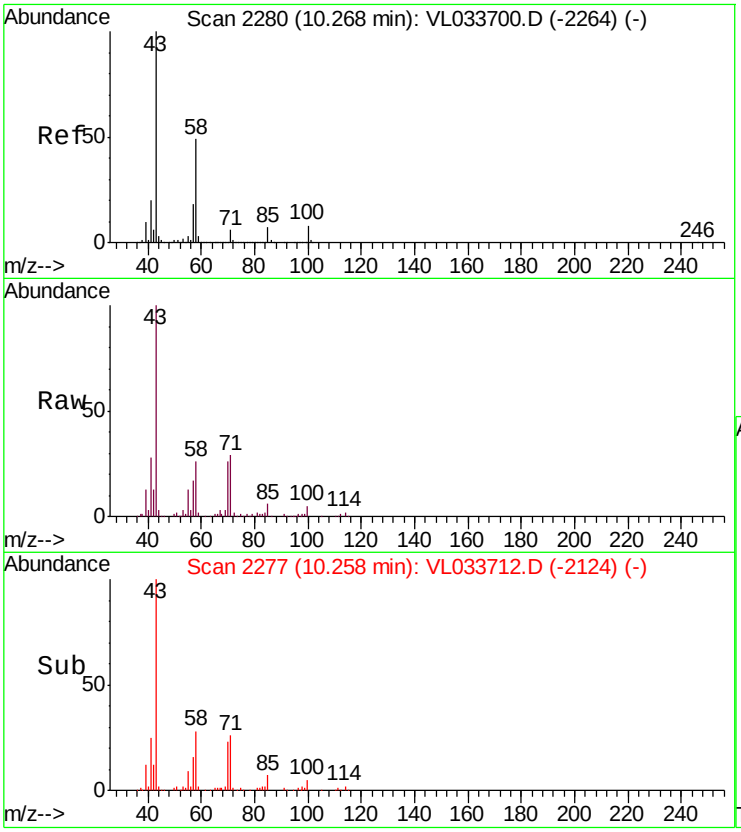


#50
4-Methyl-2-Pentanone
Concen: 0.407 ppbv
RT: 8.88 min Scan# 1848
Delta R.T. 0.01 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 43 Resp: 97534

Ion	Ratio	Lower	Upper
43	100		
58	38.2	28.6	43.0



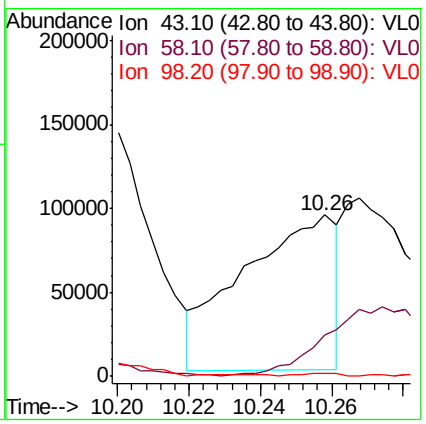


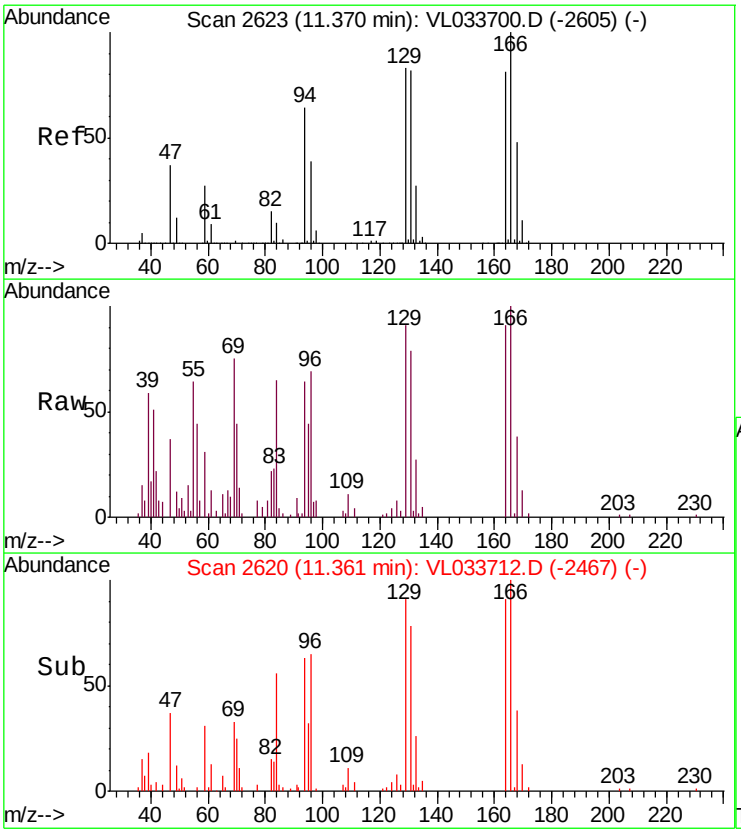
#51
2-Hexanone
Concen: 0.903 ppbv
RT: 10.26 min Scan# 2277
Delta R.T. -0.01 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion: 43 Resp: 169012

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.7	58.1#
98	1.6	0.2	0.4#

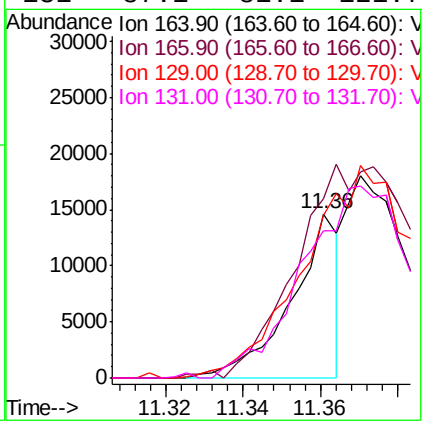


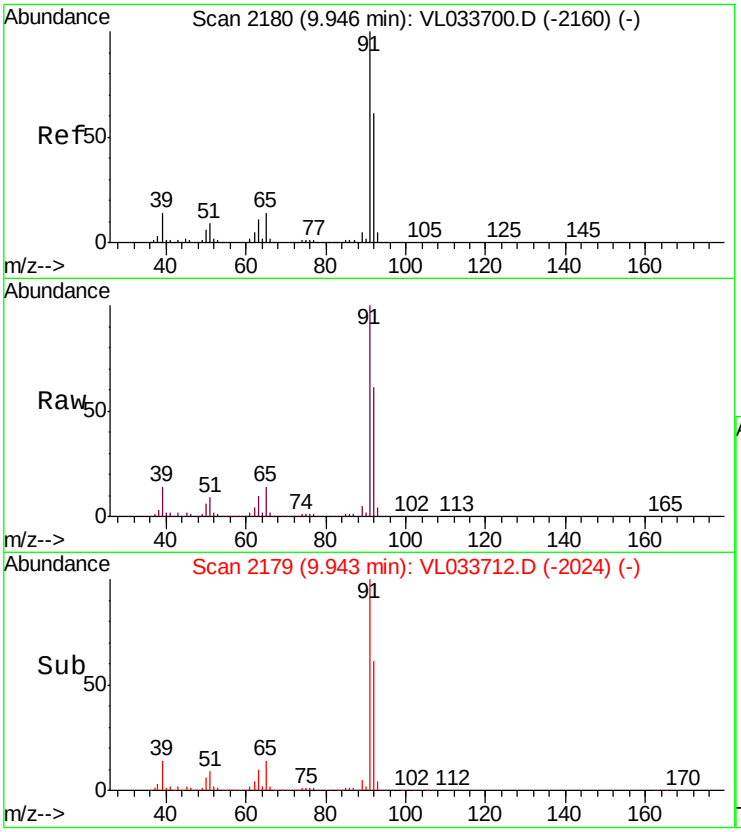


#52
Tetrachloroethene
Concen: 0.153 ppbv
RT: 11.36 min Scan# 2620
Delta R.T. -0.01 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion:164 Resp: 12284

Ion	Ratio	Lower	Upper
164	100		
166	107.0	98.9	148.3
129	97.9	81.8	122.6
131	87.1	81.1	121.7



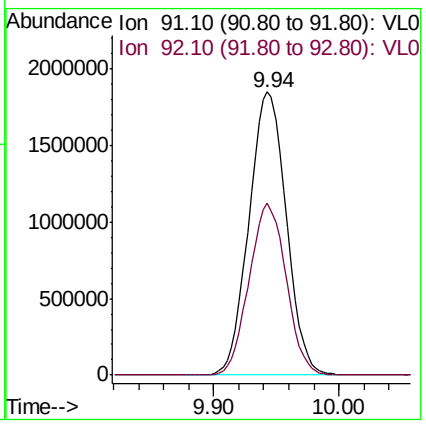


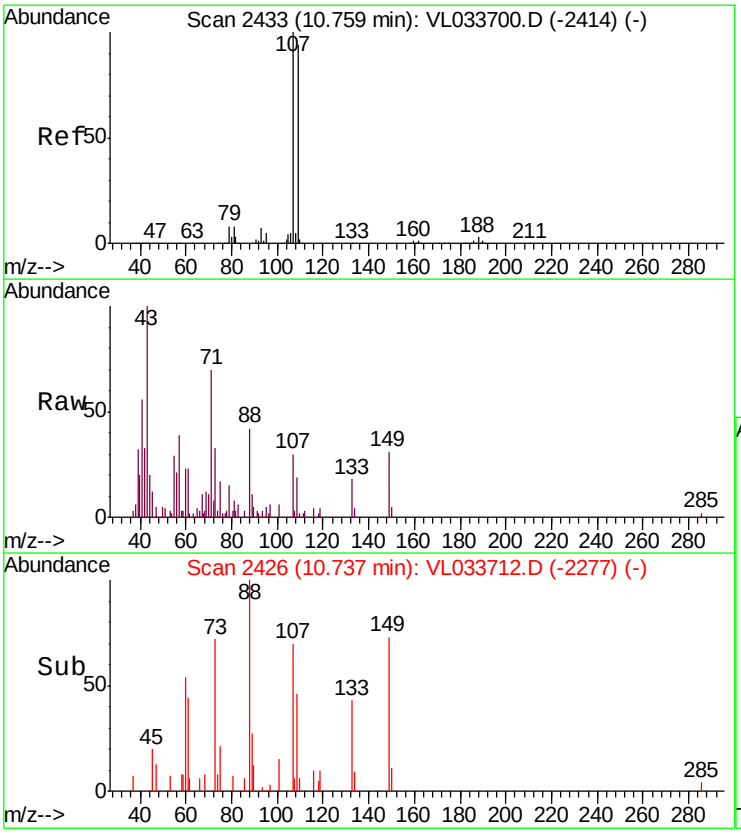
#53
Toluene
Concen: 15.518 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion: 91 Resp: 3831064

Ion	Ratio	Lower	Upper
91	100		
92	60.4	47.6	71.4

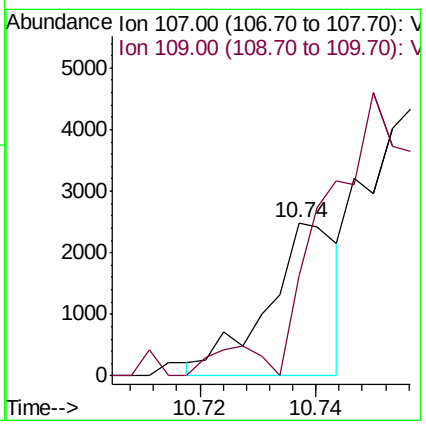


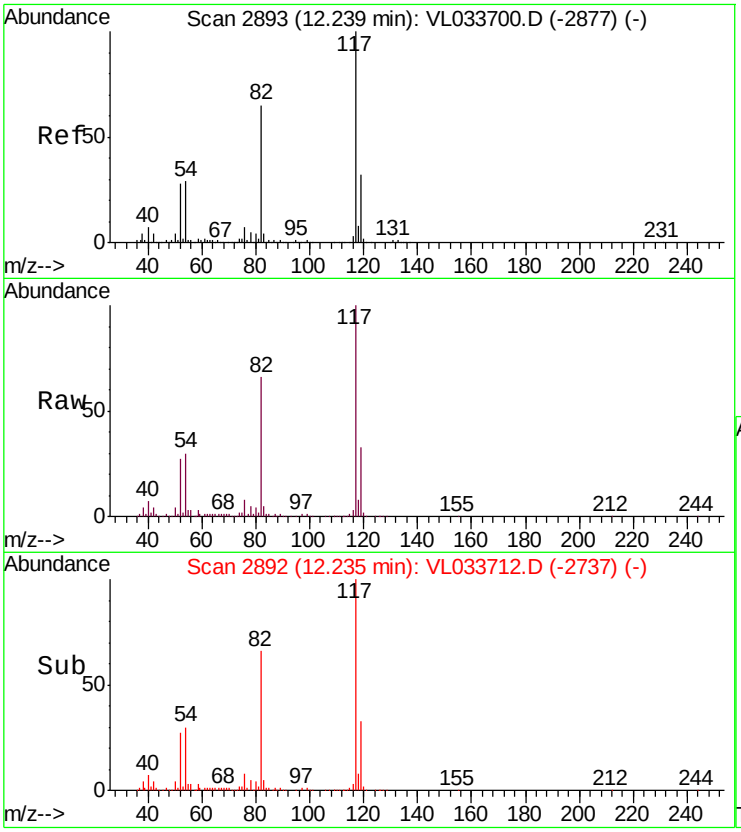


#54
1,2-Dibromoethane
Concen: 0.014 ppbv
RT: 10.74 min Scan# 2426
Delta R.T. -0.02 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion:107 Resp: 2094

Ion	Ratio	Lower	Upper
107	100		
109	82.1	75.2	112.8



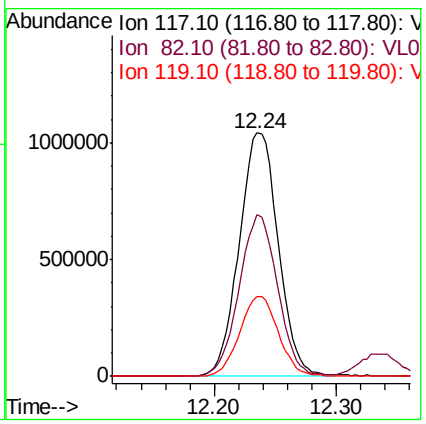


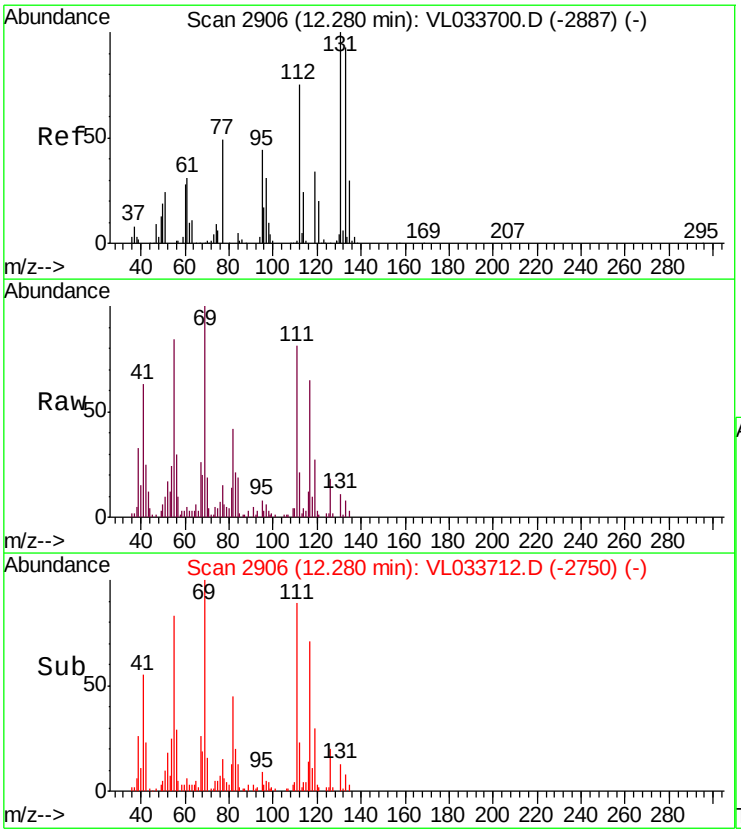
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion:117 Resp: 2305794

Ion	Ratio	Lower	Upper
117	100		
82	65.6	49.4	74.0
119	32.8	24.9	37.3

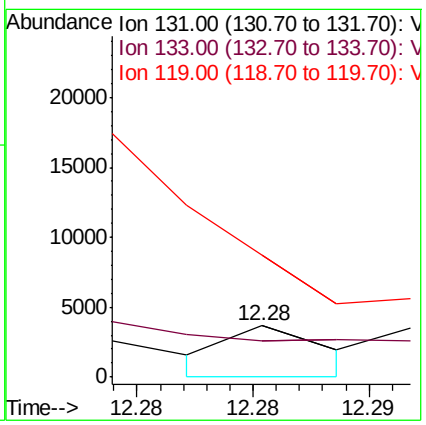


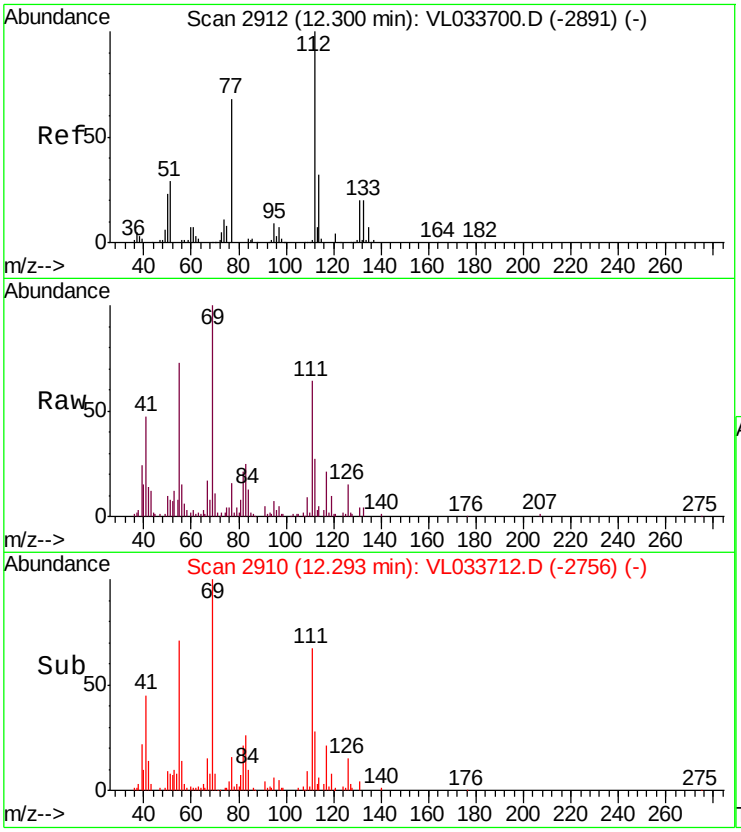


#56
1,1,1,2-Tetrachloroethane
Concen: 0.010 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion:131 Resp: 1077

Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.6	114.8#
119	0.0	49.0	73.4#



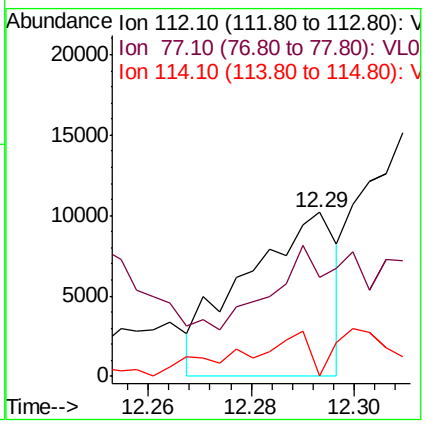


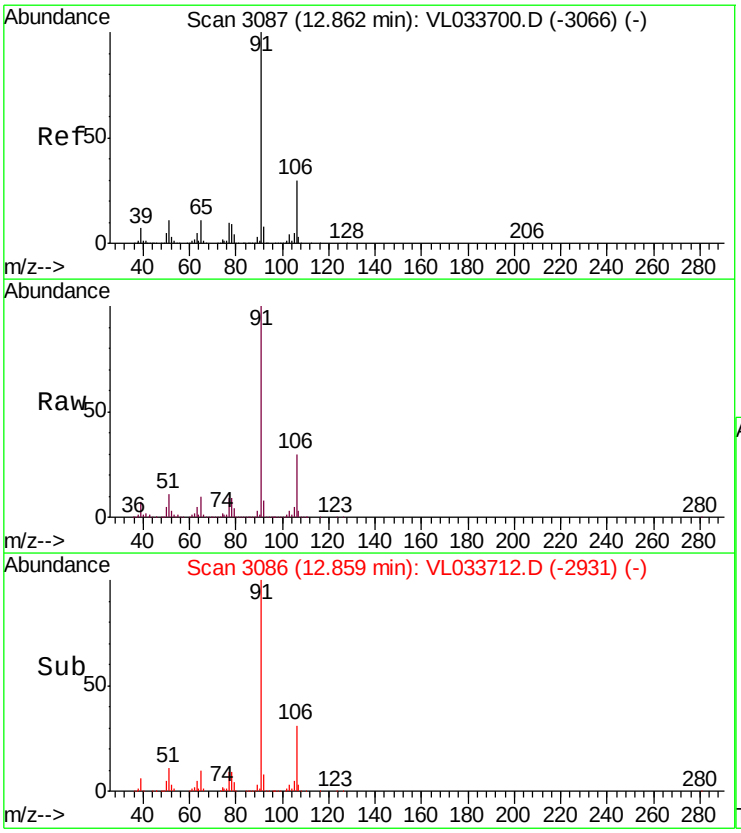
#57
Chlorobenzene
Concen: 0.066 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.01 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion:112 Resp: 12512

Ion	Ratio	Lower	Upper
112	100		
77	40.3	55.4	83.0#
114	0.0	29.3	35.8#

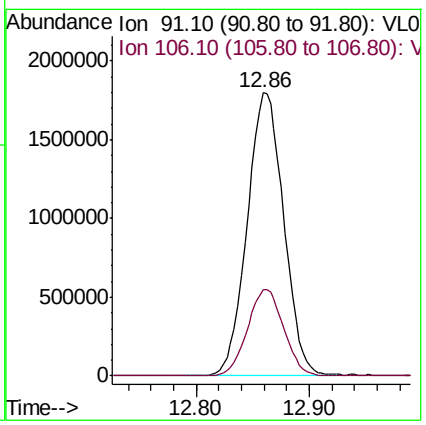


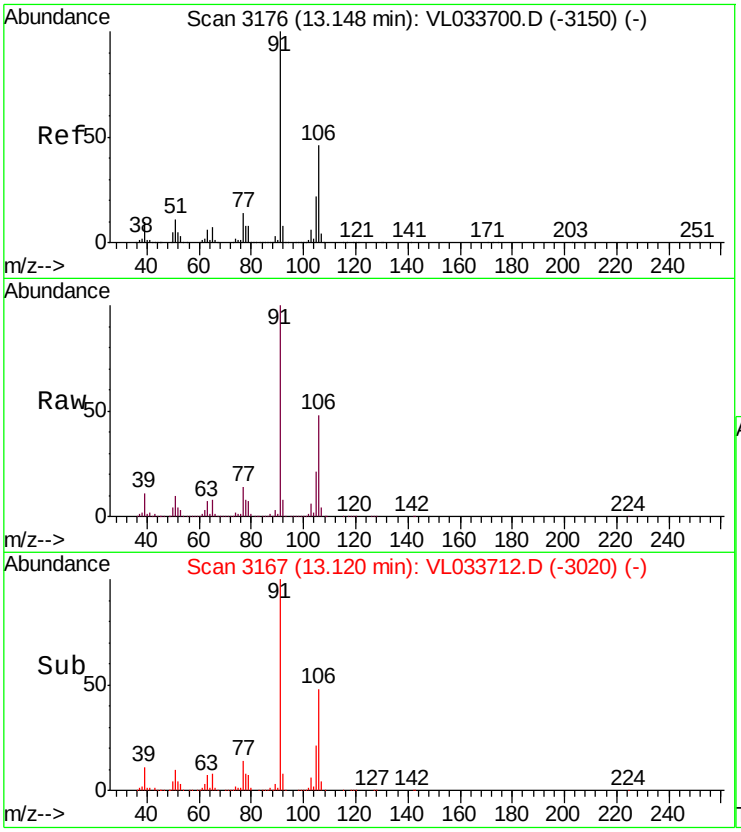


#58
Ethyl Benzene
Concen: 13.180 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 91 Resp: 4024384

Ion	Ratio	Lower	Upper
91	100		
106	30.5	23.9	35.9



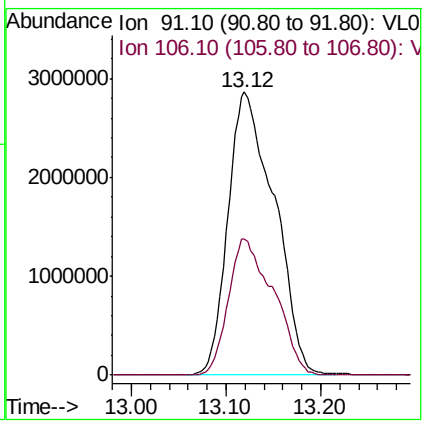


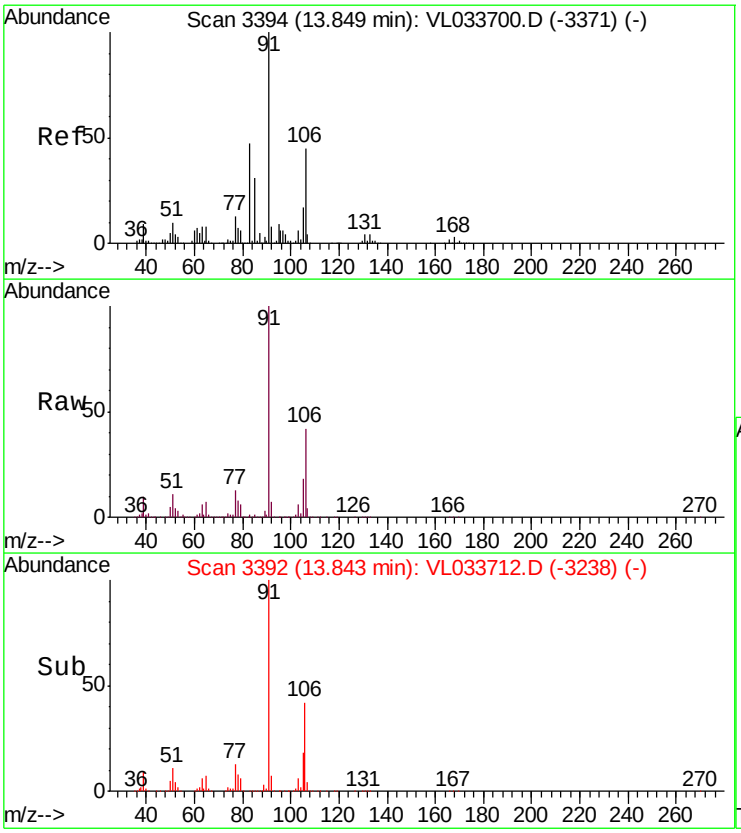
#59
m/p-Xylene
Concen: 36.273 ppbv
RT: 13.12 min Scan# 3167
Delta R.T. -0.03 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion: 91 Resp: 9681977

Ion	Ratio	Lower	Upper
91	100		
106	47.4	35.8	53.6

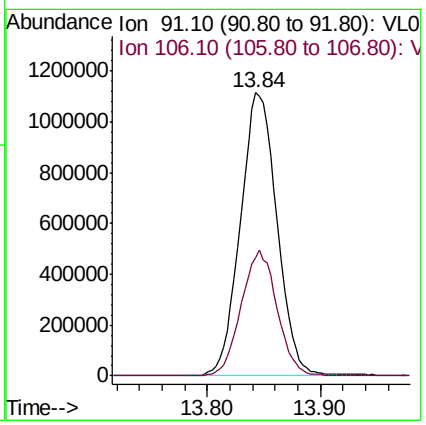


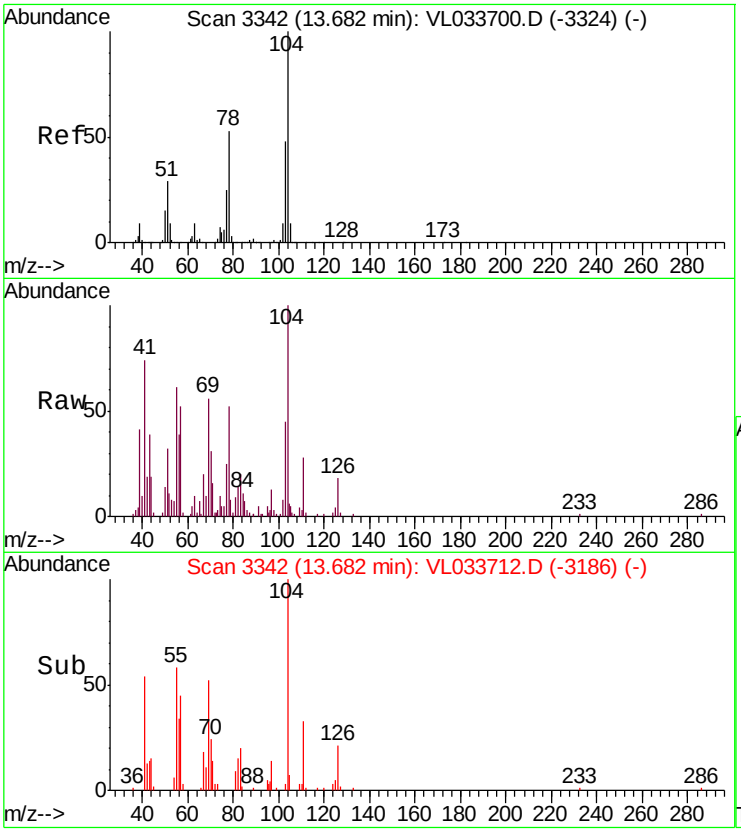


#60
o-Xylene
Concen: 9.316 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.01 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 91 Resp: 2506609

Ion	Ratio	Lower	Upper
91	100		
106	43.8	21.6	64.8



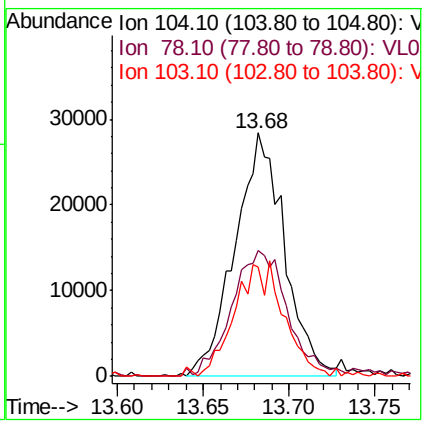


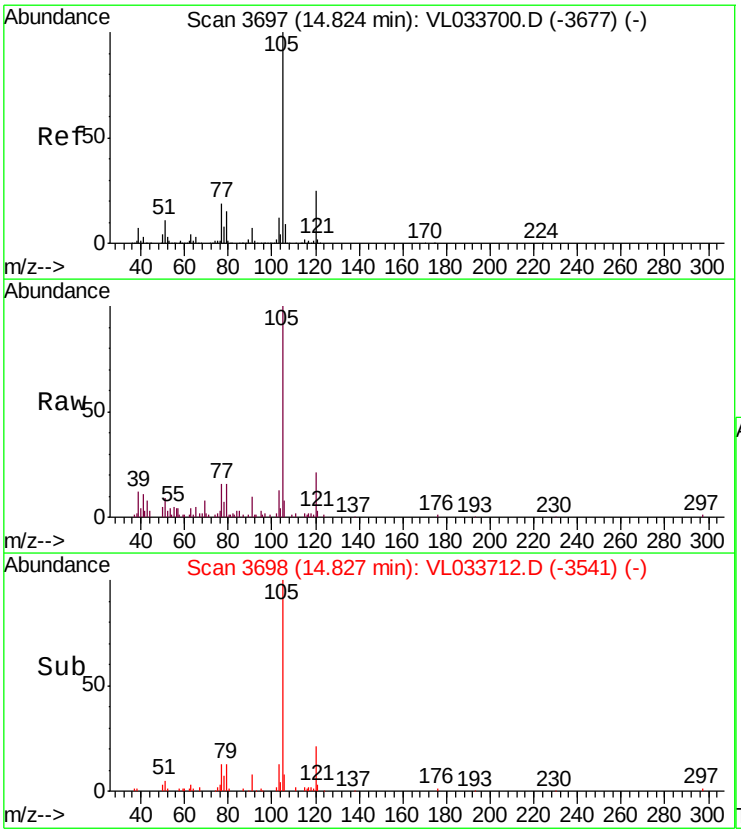
#61
Styrene
Concen: 0.313 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion:104 Resp: 56746

Ion	Ratio	Lower	Upper
104	100		
78	61.1	42.6	64.0
103	47.7	37.8	56.6

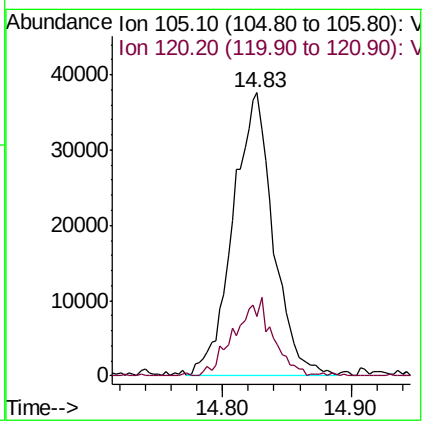


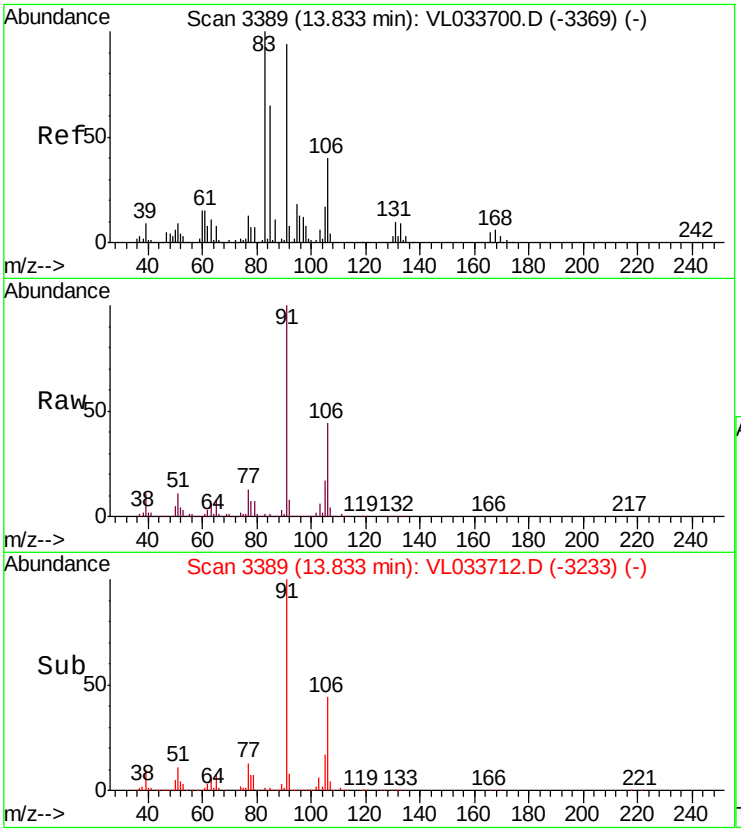


#62
Isopropylbenzene
Concen: 0.226 ppbv
RT: 14.83 min Scan# 3698
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion:105 Resp: 81934

Ion	Ratio	Lower	Upper
105	100		
120	26.5	20.1	30.1



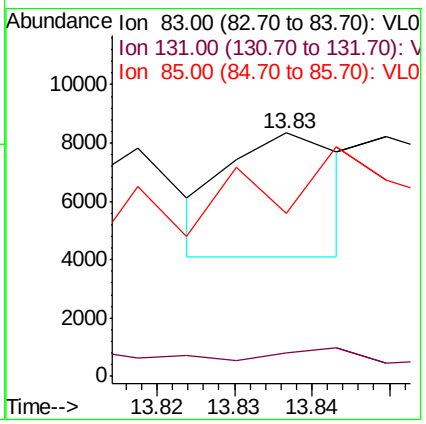


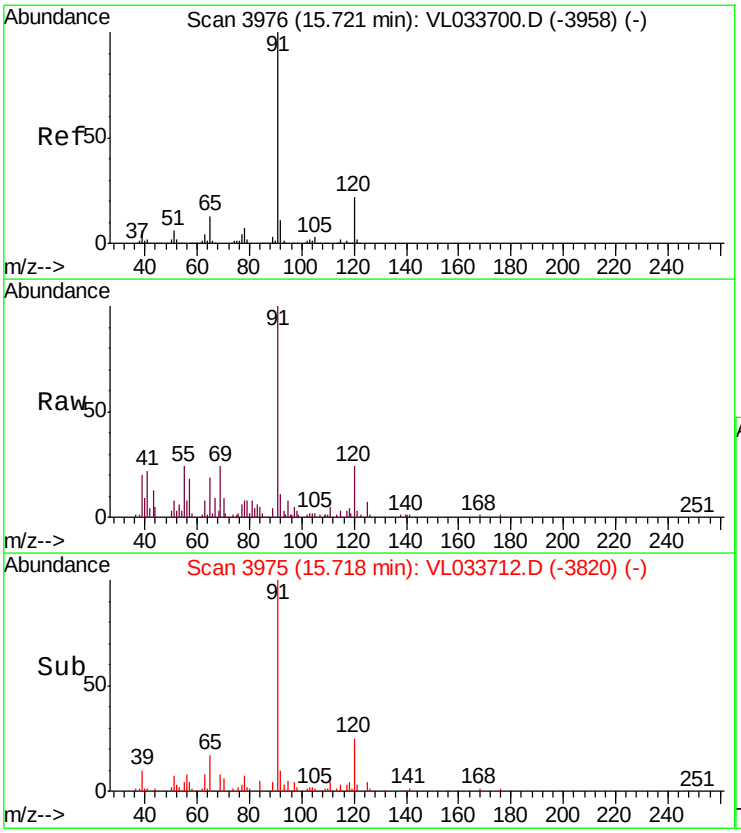
#63
1,1,2,2-Tetrachloroethane
Concen: 0.011 ppbv
RT: 13.83 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion: 83 Resp: 2159

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

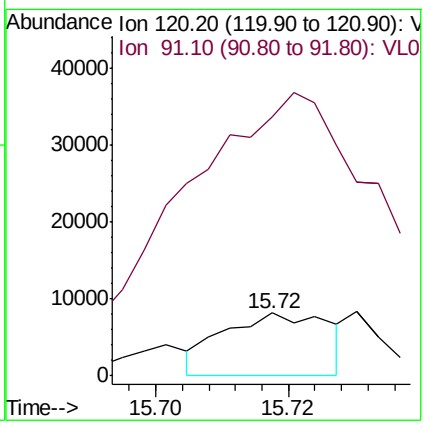


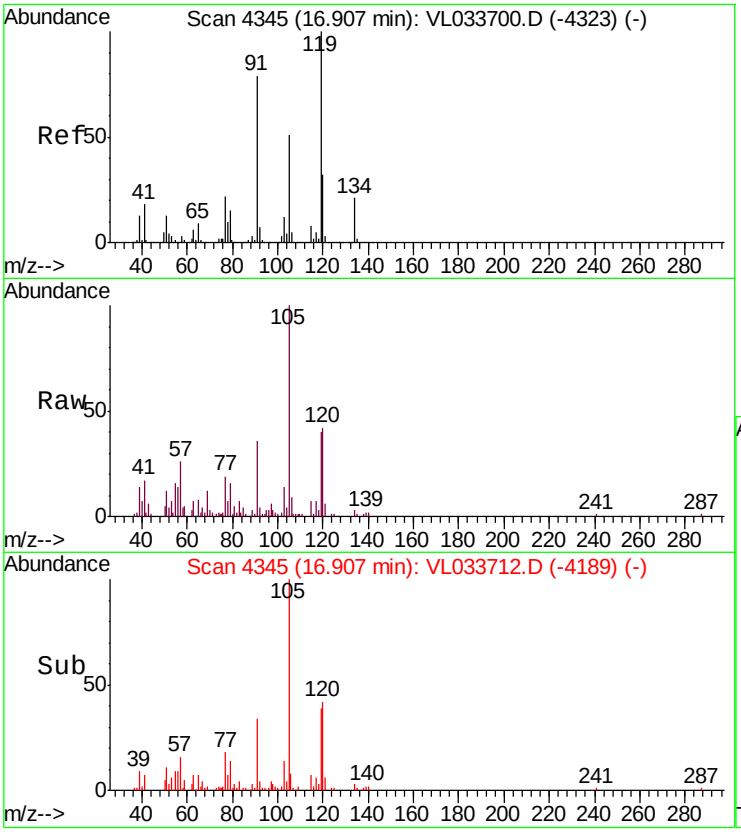


#64
n-propylbenzene
Concen: 0.097 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. -0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion:120 Resp: 9060

Ion	Ratio	Lower	Upper
120	100		
91	974.3	379.1	568.7#



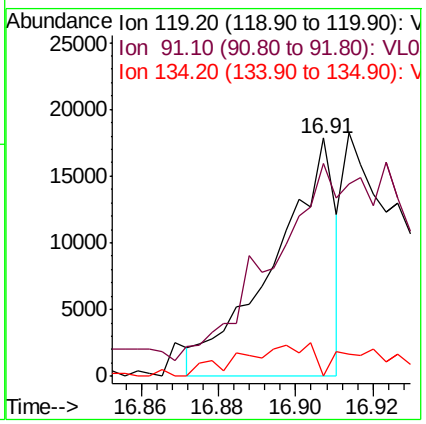


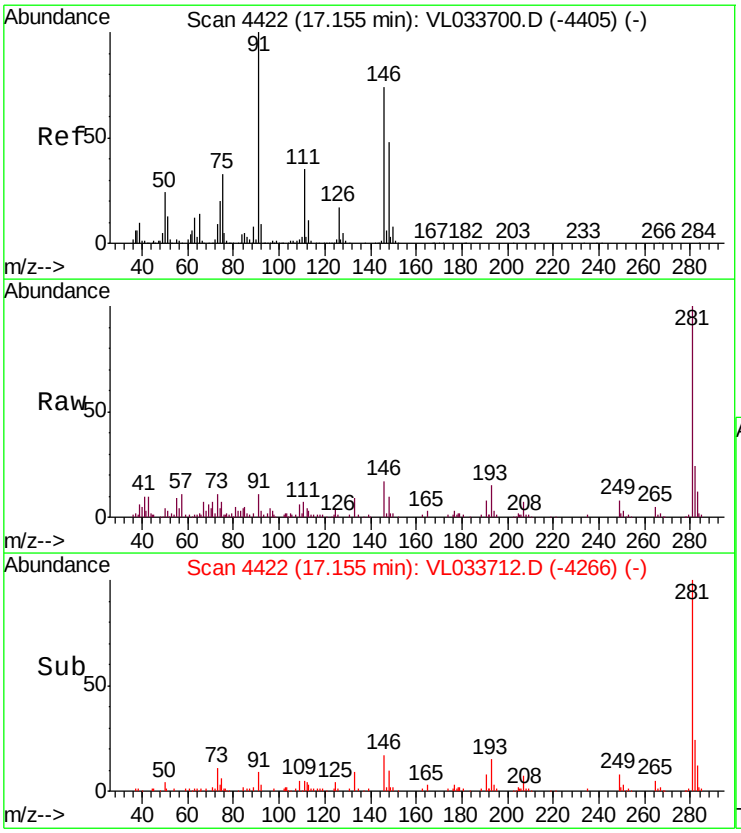
#65
tert-Butylbenzene
Concen: 0.059 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion:119 Resp: 19514

Ion	Ratio	Lower	Upper
119	100		
91	0.0	65.3	97.9#
134	30.2	15.7	23.5#

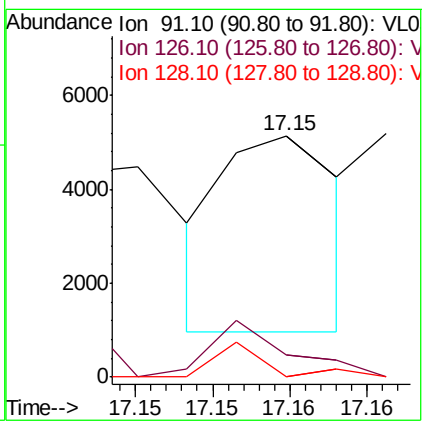


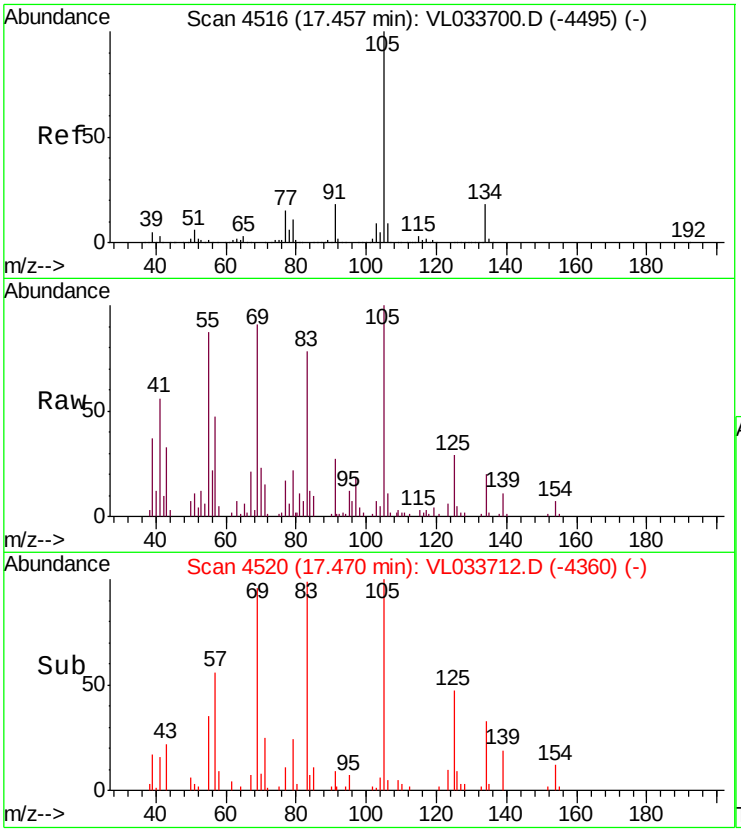


#66
Benzyl Chloride
Concen: 0.014 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 91 Resp: 2187

Ion	Ratio	Lower	Upper
91	100		
126	84.1	13.5	20.3#
128	8.0	4.3	6.5#



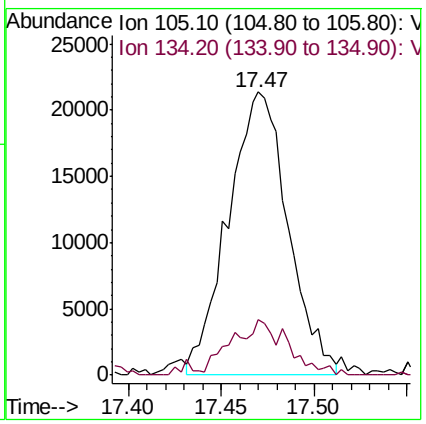


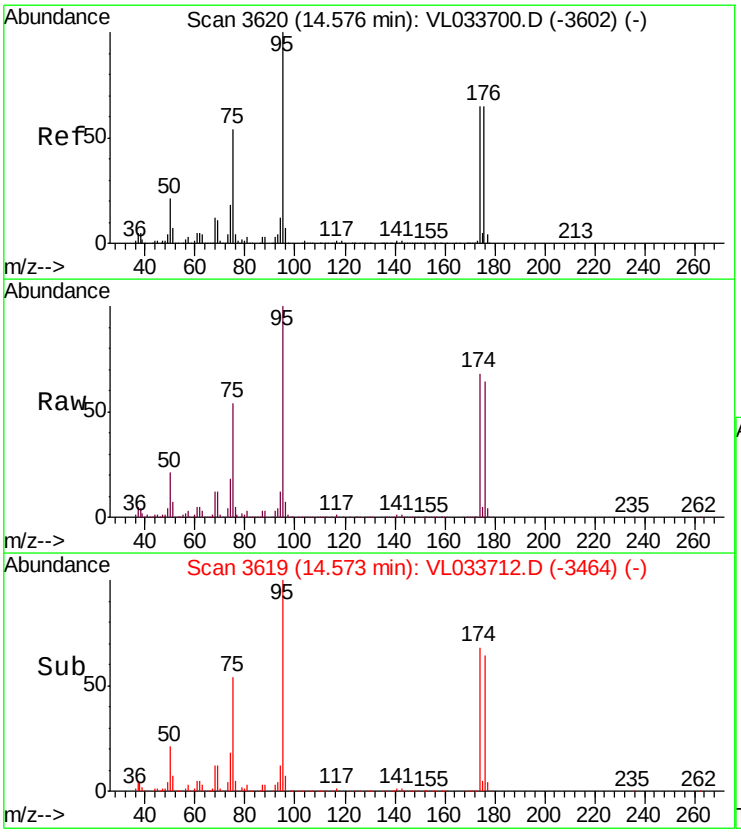
#67
sec-Butylbenzene
Concen: 0.103 ppbv
RT: 17.47 min Scan# 4520
Delta R.T. 0.01 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion:105 Resp: 47846

Ion	Ratio	Lower	Upper
105	100		
134	19.5	14.6	22.0

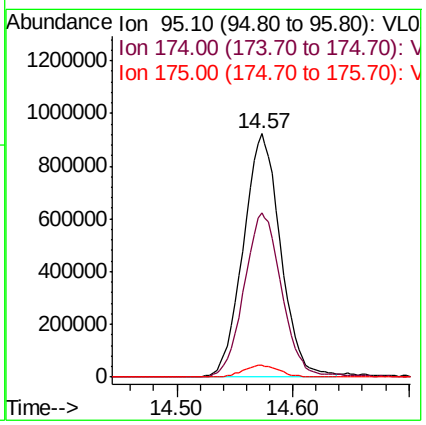


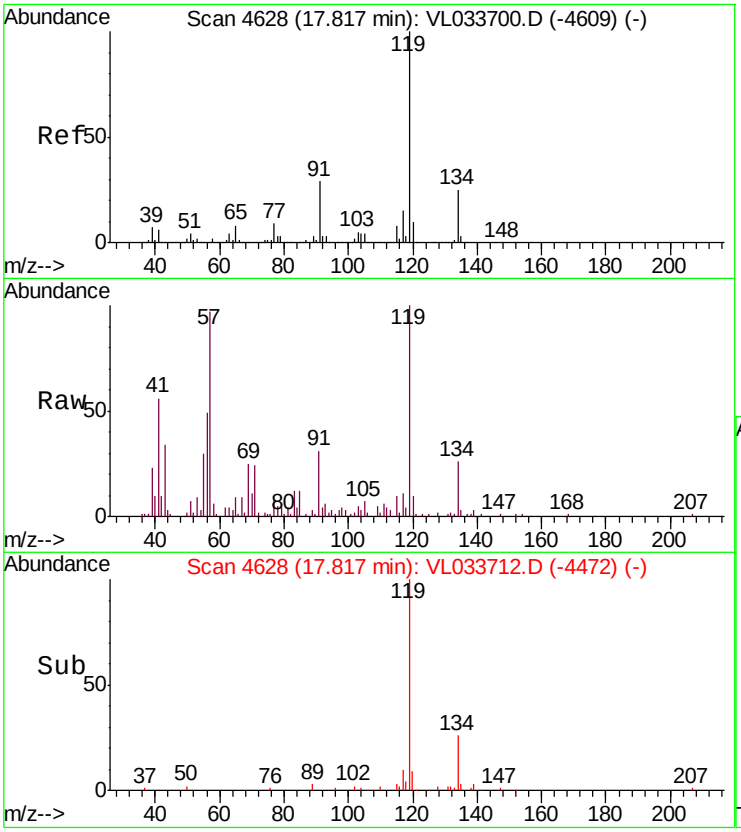


#68
1-Bromo-4-Fluorobenzene
Concen: 11.043 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 95 Resp: 2064171

Ion	Ratio	Lower	Upper
95	100		
174	68.6	53.9	80.9
175	4.7	3.8	5.8



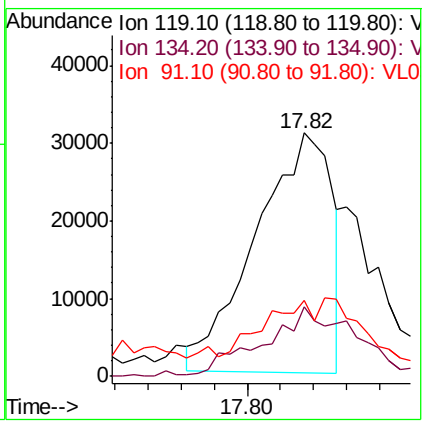


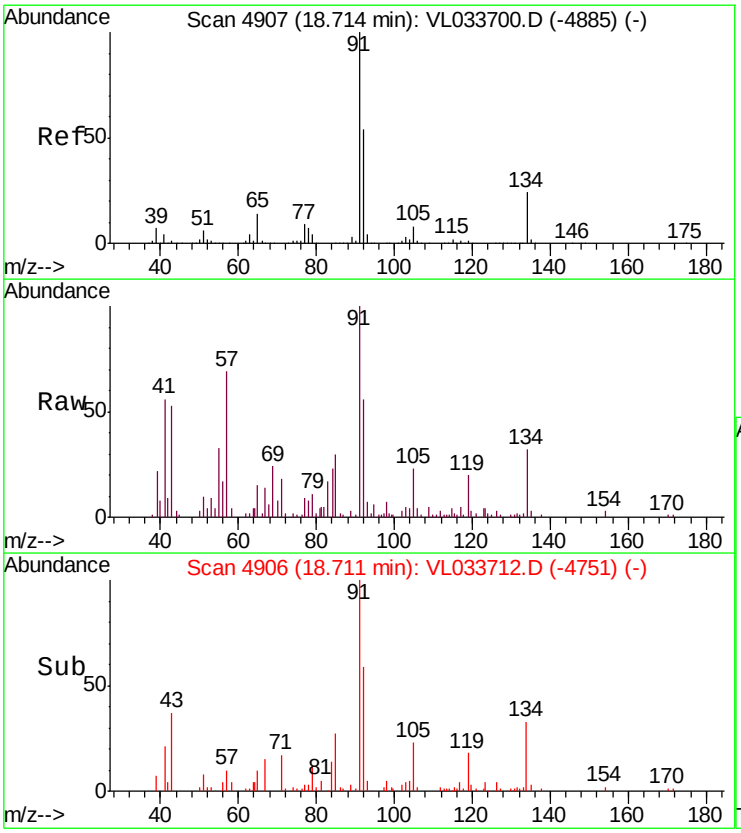
#69
p-Isopropyltoluene
Concen: 0.128 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion:119 Resp: 49172

Ion	Ratio	Lower	Upper
119	100		
134	35.7	20.3	30.5#
91	0.0	23.1	34.7#

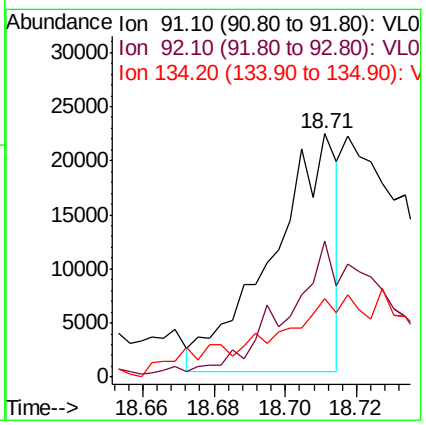


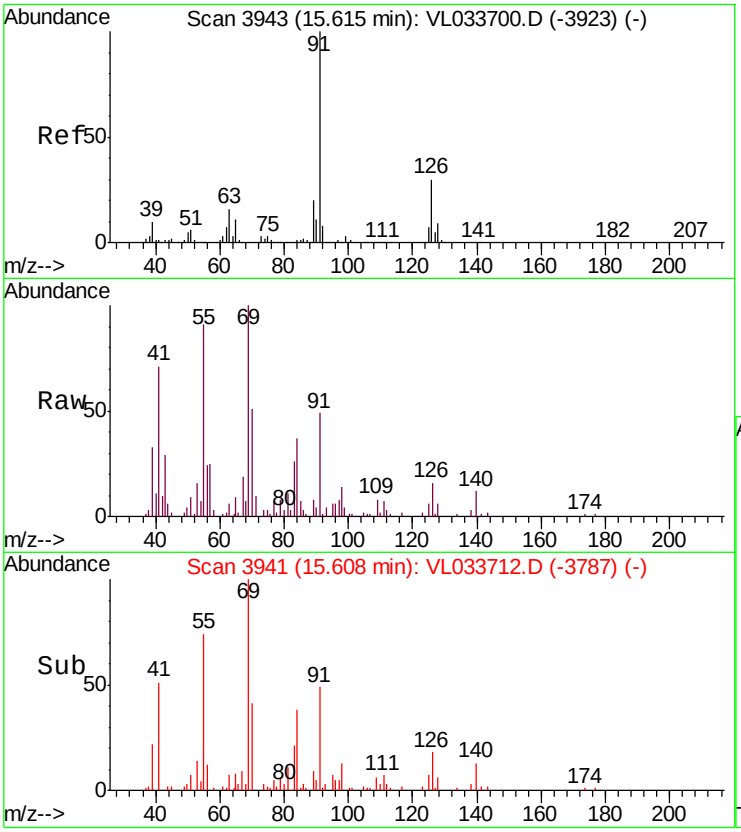


#70
n-Butylbenzene
Concen: 0.068 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. -0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion: 91 Resp: 27962

Ion	Ratio	Lower	Upper
91	100		
92	94.5	42.6	63.8#
134	0.0	18.1	27.1#



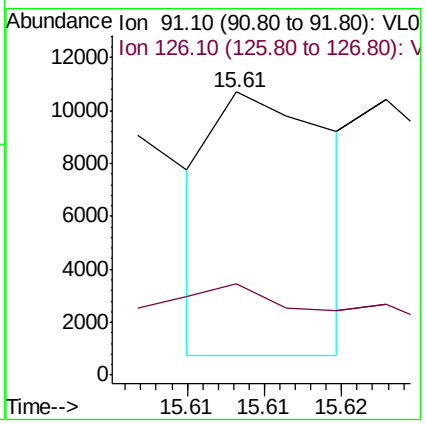


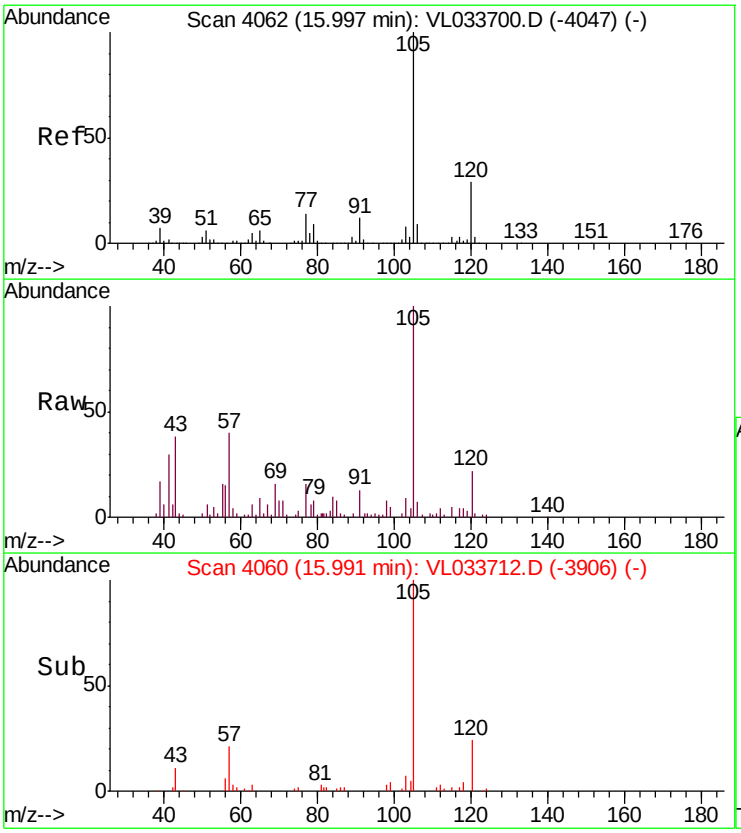
#71
2-Chlorotoluene
Concen: 0.020 ppbv
RT: 15.61 min Scan# 3941
Delta R.T. -0.01 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 91 Resp: 5296

Ion	Ratio	Lower	Upper
91	100		
126	146.5	12.0	47.8#

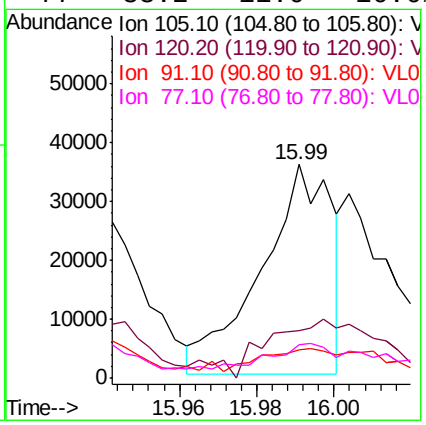


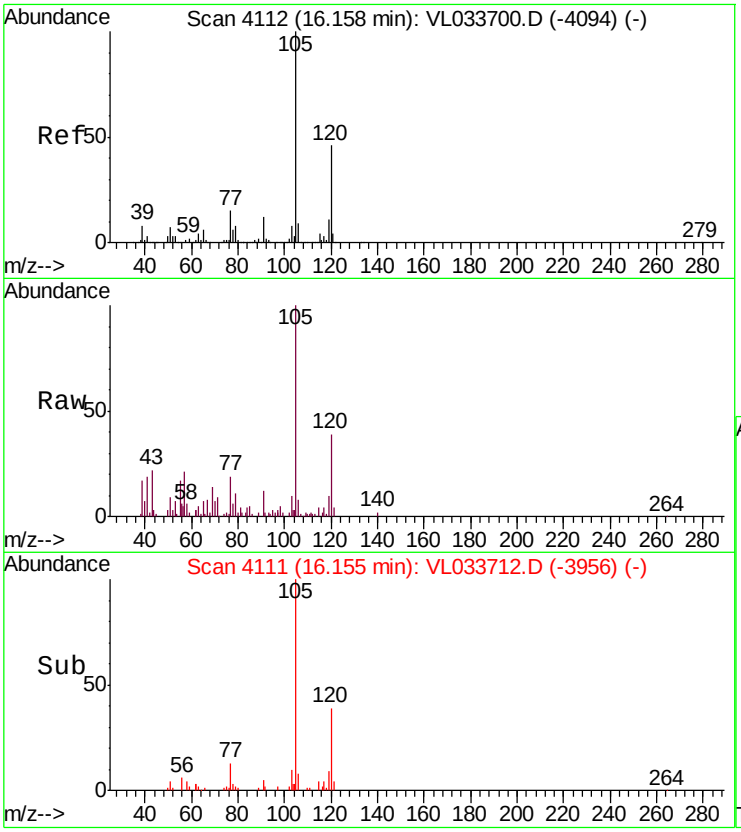


#72
4-Ethyltoluene
Concen: 0.147 ppbv
RT: 15.99 min Scan# 4060
Delta R.T. -0.01 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion:105 Resp: 45202

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	34.7#
91	24.3	10.4	15.6#
77	33.2	11.0	16.6#



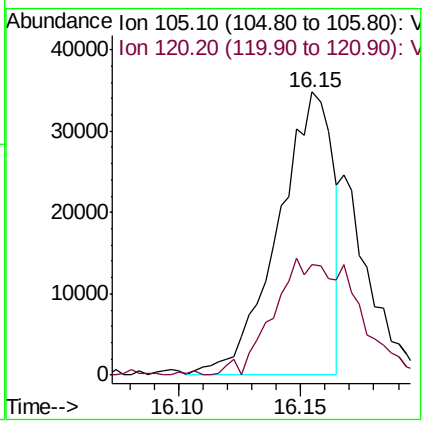


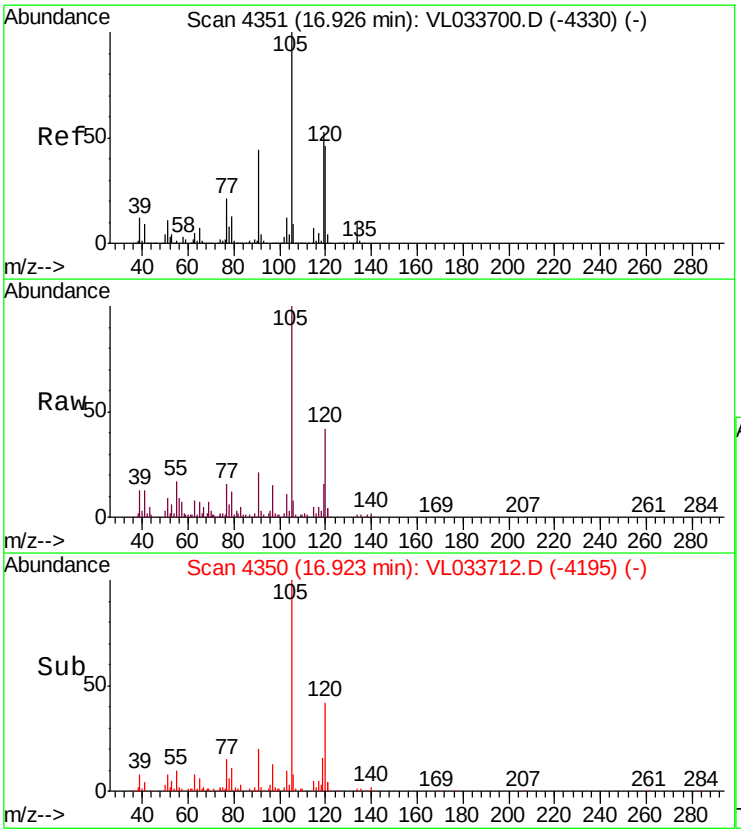
#73
1,3,5-Trimethylbenzene
Concen: 0.181 ppbv
RT: 16.15 min Scan# 4111
Delta R.T. -0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion:105 Resp: 54225

Ion	Ratio	Lower	Upper
105	100		
120	38.3	37.0	55.4

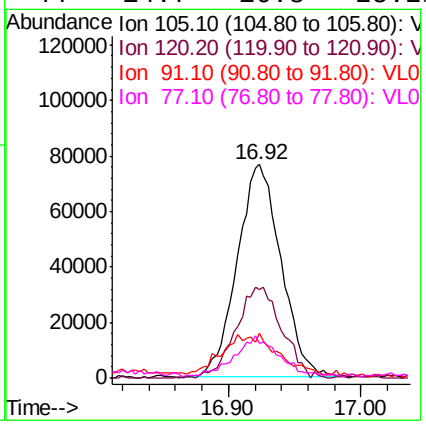


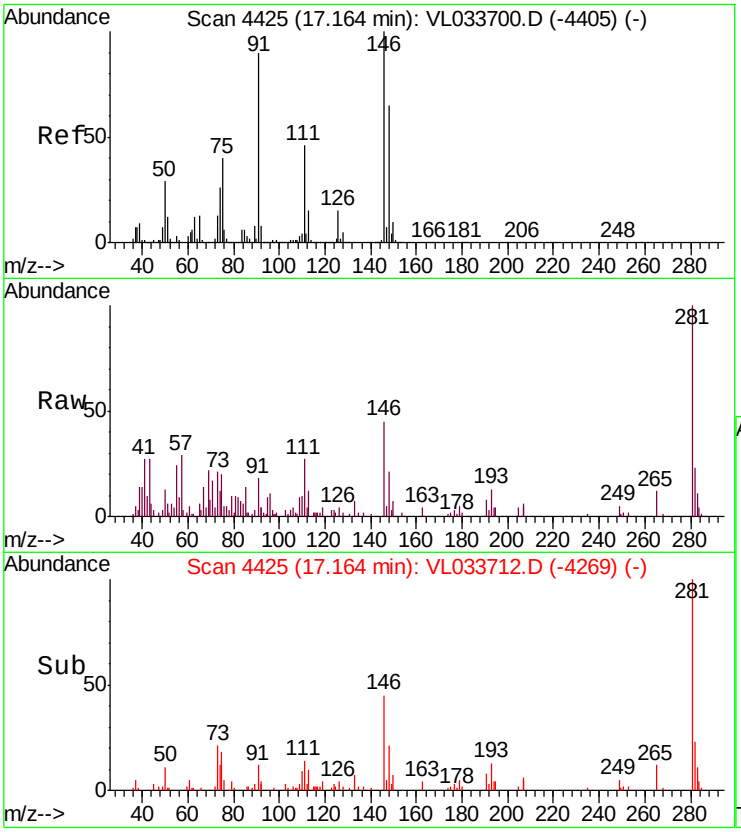


#74
1,2,4-Trimethylbenzene
Concen: 0.535 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion:105 Resp: 174805

Ion	Ratio	Lower	Upper
105	100		
120	45.7	36.8	55.2
91	18.8	35.4	53.0#
77	14.7	16.8	25.2#



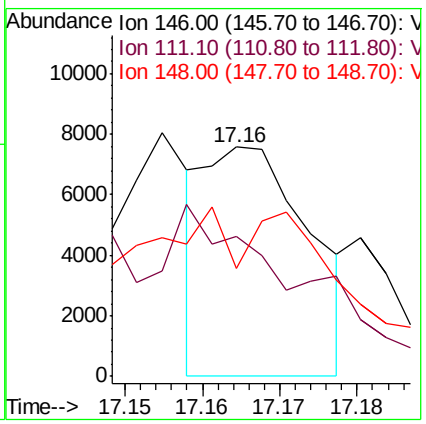


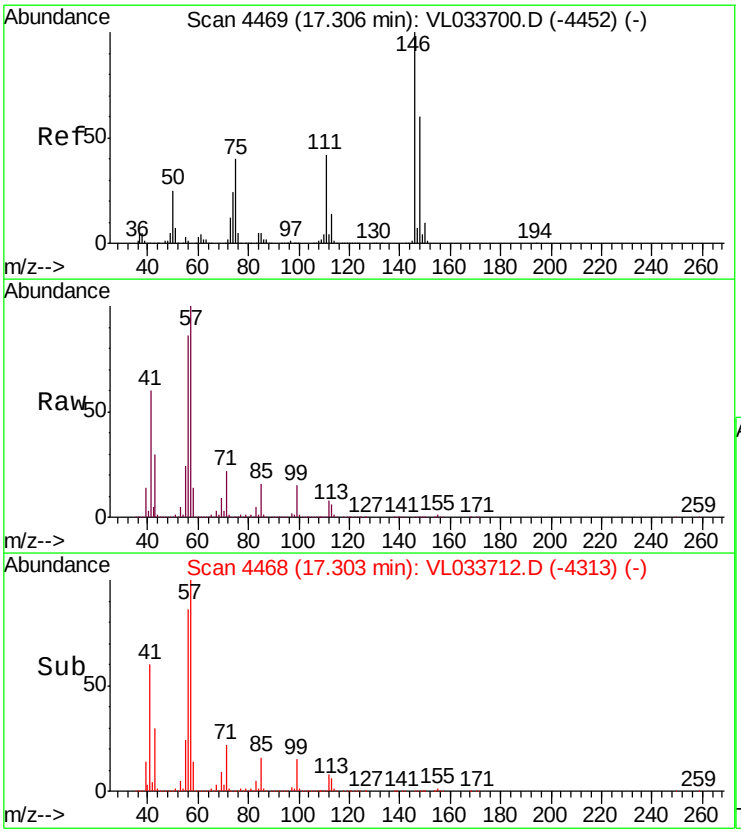
#75
1,3-Dichlorobenzene
Concen: 0.035 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion:146 Resp: 7049

Ion	Ratio	Lower	Upper
146	100		
111	254.5	22.9	68.8#
148	195.7	32.0	96.2#

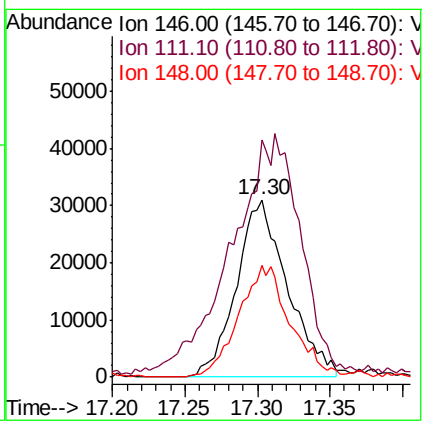


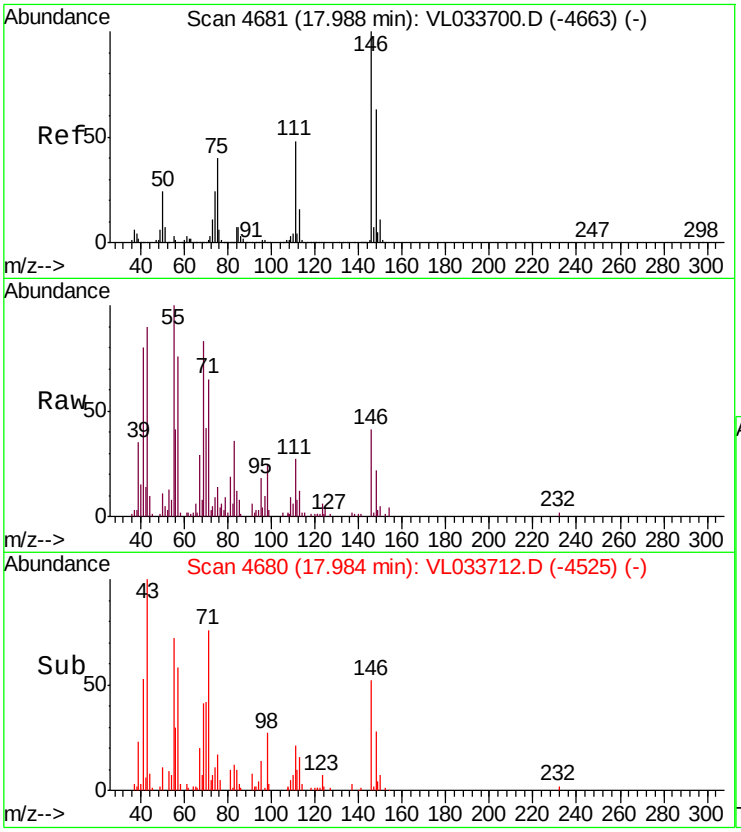


#76
1,4-Dichlorobenzene
Concen: 0.398 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion:146 Resp: 75707

Ion	Ratio	Lower	Upper
146	100		
111	186.8	21.9	65.8#
148	64.5	32.1	96.3



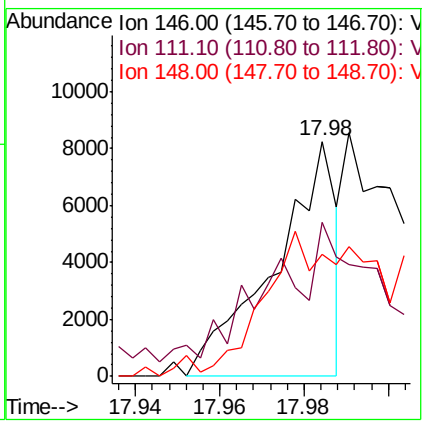


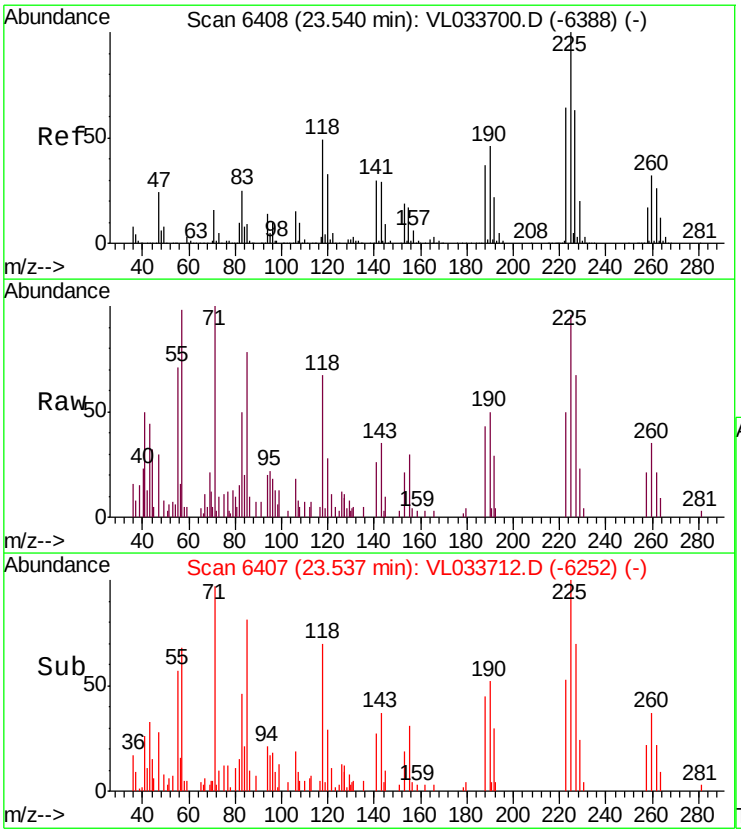
#77
1,2-Dichlorobenzene
Concen: 0.044 ppbv
RT: 17.98 min Scan# 4680
Delta R.T. -0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument : MSVOA_L
ClientSampleId : SV-02

Tgt Ion:146 Resp: 8348

Ion	Ratio	Lower	Upper
146	100		
111	120.0	23.5	70.5#
148	138.4	32.1	96.3#

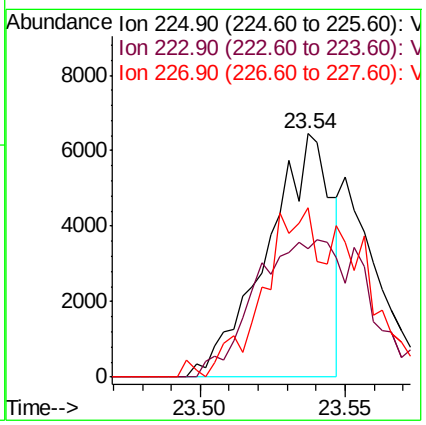


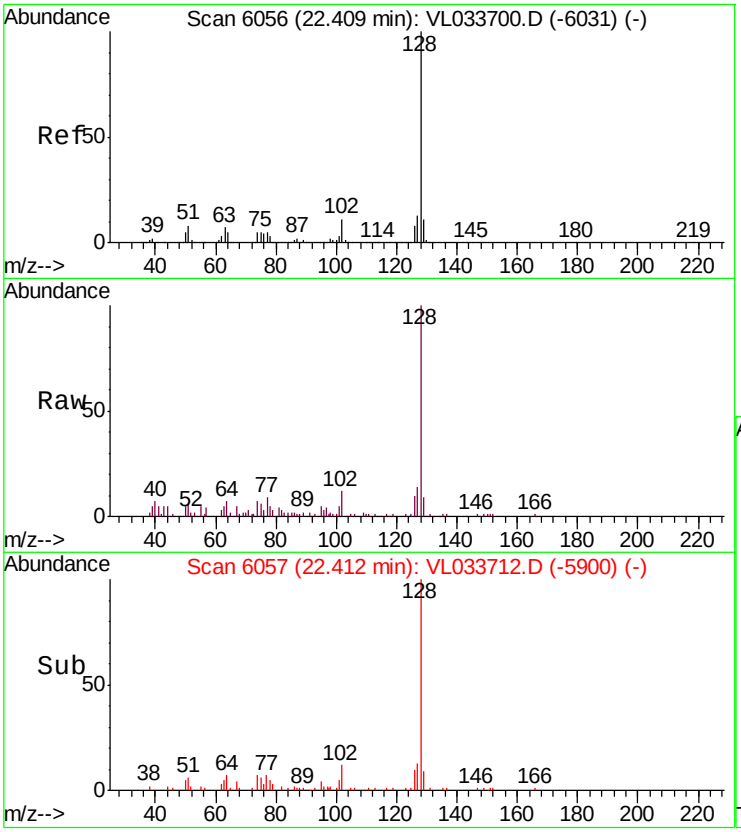


#78
Hexachloro-1,3-Butadiene
Concen: 0.070 ppbv
RT: 23.54 min Scan# 6407
Delta R.T. -0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion:225 Resp: 10001

Ion	Ratio	Lower	Upper
225	100		
223	97.6	50.2	75.4#
227	102.3	50.7	76.1#



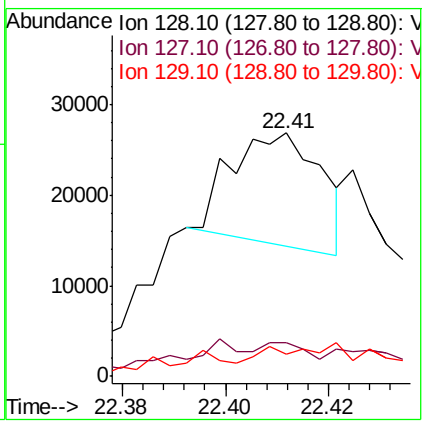


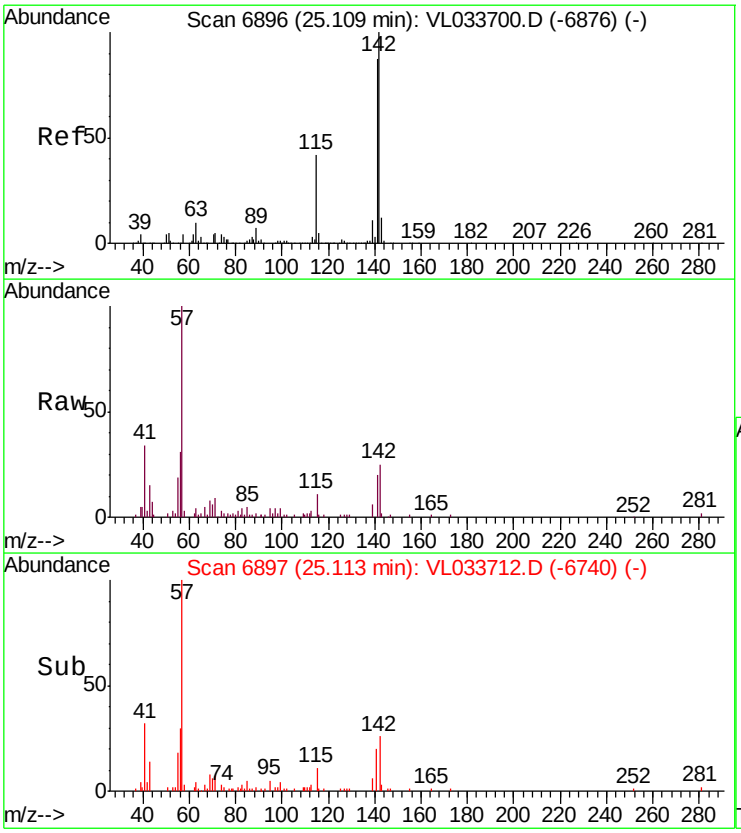
#79
Naphthalene
Concen: 0.048 ppbv
RT: 22.41 min Scan# 6057
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion:128 Resp: 14623

Ion	Ratio	Lower	Upper
128	100		
127	17.9	10.6	16.0#
129	9.2	8.9	13.3

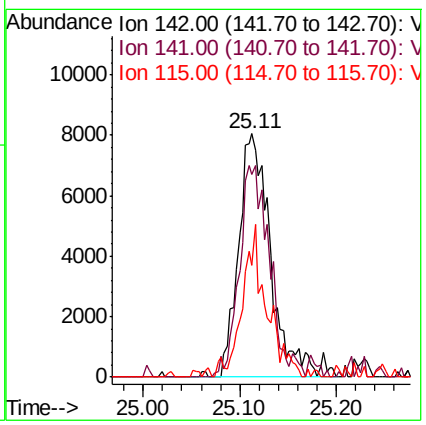


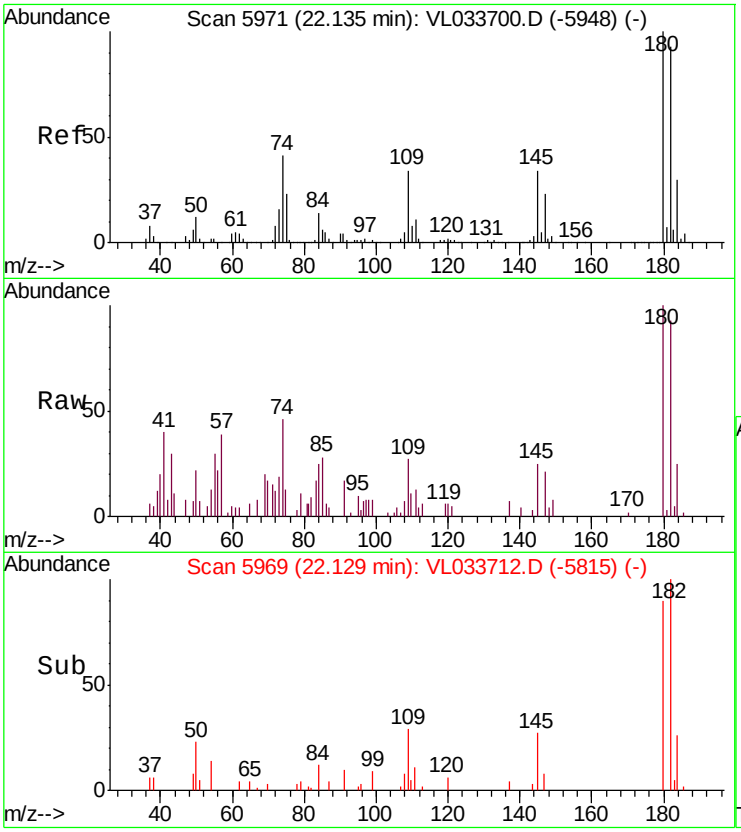


#80
Naphthalene,2-methyl-
Concen: 0.162 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Tgt Ion:142 Resp: 18701

Ion	Ratio	Lower	Upper
142	100		
141	83.6	67.2	100.8
115	48.6	34.1	51.1





#81
1,2,4-Trichlorobenzene
Concen: 0.026 ppbv
RT: 22.13 min Scan# 5969
Delta R.T. -0.01 min
Lab File: VL033712.D
Acq: 17 May 2019 12:02

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion:180 Resp: 4622

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.1	114.1#
184	129.2	24.6	37.0#