Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091620\
Data File : VL035643.D
Acq On : 17 Sep 2020 00:24
Operator : SY/AP
Sample : VL0916ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Quant Time: Sep 17 07:10:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1094171	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	4362914	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	4220480	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	3158456	10.54	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	68700	0.362	ppbv		99
3) Chlorodifluoromethane	2.98	51	31419	0.260	ppbv		98
4) Chloromethane	3.13	50	17443	0.269	ppbv		97
5) Vinyl Chloride	3.25	62	18308	0.229	ppbv	#	83
6) Bromomethane	3.47	94	16118	0.240	ppbv		98
7) Chloroethane	3.56	64	6750	0.239	ppbv	#	87
8) Dichlorotetrafluoroethane	3.18	85	60618	0.264	ppbv		89
9) Propene	3.00	41	12387	0.266	ppbv		93
10) Heptane	8.13	43	19150	0.153	ppbv		98
11) Trichlorofluoromethane	3.94	101	70729	0.256	ppbv		95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	52741	0.253	ppbv		96
13) Ethanol	3.61	45	2524	0.218	ppbv	#	37
14) Bromoethene	3.74	108	18378	0.205	ppbv		96
15) Acetone	3.86	43	36166	0.300	ppbv		97
16) 1,3-Butadiene	3.32	39	9263	0.206	ppbv		100
17) tert-Butyl alcohol	4.32	59	27731	0.189	ppbv		99
18) 1,1-Dichloroethene	4.29	96	21445	0.233	ppbv		93
19) Isopropyl Alcohol	3.99	45	15278	0.212	ppbv	#	83
20) Methylene Chloride	4.34	84	55342	0.616	ppbv		96
21) Allyl Chloride	4.40	41	12903	0.228	ppbv		95
22) trans-1,2-Dichloroethene	4.88	96	23590	0.241	ppbv		91
23) Vinyl Acetate	5.07	43	26348	0.170	ppbv	#	89
24) 1,1-Dichloroethane	5.01	63	38149	0.239	ppbv		97
25) Ethyl Acetate	5.68	43	47338	0.222	ppbv		97
26) Hexane	5.68	57	31939	0.264	ppbv		85
27) Carbon Disulfide	4.55	76	32848	0.189	ppbv	#	91
28) Methyl tert-Butyl Ether	5.05	73	36597	0.174	ppbv		99
29) Chloroform	5.75	83	56999	0.232	ppbv		99
30) Cyclohexane	7.13	84	13533	0.105	ppbv	#	17
31) cis-1,2-Dichloroethene	5.54	61	19460	0.157	ppbv		92
32) 1,1,1-Trichloroethane	6.51	97	46856	0.196	ppbv		94
34) 2-Butanone	5.26	43	22029	0.170	ppbv		98
35) Carbon Tetrachloride	7.01	117	47127	0.215	ppbv		88
36) Benzene	6.89	78	48224	0.171	ppbv	#	93
37) 1,2-Dichloroethane	6.30	62	32423	0.241	ppbv		97
38) Trichloroethene	7.83	130	28057	0.171	ppbv		92
39) 1,2-Dichloropropane	7.61	63	9845	0.103	ppbv		92
41) Tetrahydrofuran	6.08	42	9186	0.134	ppbv		91
42) Bromodichloromethane	7.79	83	48101	0.221	ppbv	#	97
43) Methyl Methacrylate	8.02	69	15064	0.138	ppbv		92
44) 2,2,4-Trimethylpentane	7.87	57	60866	0.164	ppbv	#	86

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091620\
Data File : VL035643.D
Acq On : 17 Sep 2020 00:24
Operator : SY/AP
Sample : VL0916ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Quant Time: Sep 17 07:10:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
45) t-1,3-Dichloropropene	9.27	75	6401	0.058 ppbv		91
46) cis-1,3-Dichloropropene	8.71	75	19388	0.141 ppbv	#	92
47) 1,1,2-Trichloroethane	9.47	97	31899	0.227 ppbv		95
48) Dibromochloromethane	10.31	129	36148	0.163 ppbv		100
49) Bromoform	13.05	173	11656	0.058 ppbv	#	1
50) 4-Methyl-2-Pentanone	8.77	43	13598	0.073 ppbv	#	60
51) 2-Hexanone	10.17	43	12041	0.078 ppbv	#	95
52) Tetrachloroethene	11.23	164	17354	0.105 ppbv		94
53) Toluene	9.81	91	48758	0.137 ppbv		96
54) 1,2-Dibromoethane	10.62	107	21007	0.094 ppbv		94
56) 1,1,1,2-Tetrachloroethane	12.14	131	14212	0.083 ppbv	#	8
57) Chlorobenzene	12.15	112	81363	0.262 ppbv	#	96
58) Ethyl Benzene	12.99	91	51832	0.119 ppbv		92
59) m/p-Xylene	13.01	91	42182	0.116 ppbv	#	24
60) o-Xylene	13.70	91	28792	0.079 ppbv	#	32
61) Styrene	13.54	104	32065	0.114 ppbv		99
62) Isopropylbenzene	14.68	105	113216	0.192 ppbv		92
63) 1,1,2,2-Tetrachloroethane	13.69	83	75021	0.264 ppbv		98
64) n-propylbenzene	15.57	120	15698	0.087 ppbv	#	1
65) tert-Butylbenzene	16.77	119	78062	0.143 ppbv		90
66) Benzyl Chloride	17.00	91	10429	0.077 ppbv	#	61
67) sec-Butylbenzene	17.31	105	127346	0.175 ppbv		91
69) p-Isopropyltoluene	17.67	119	90456	0.142 ppbv		96
70) n-Butylbenzene	18.58	91	100873	0.164 ppbv	#	86
71) 2-Chlorotoluene	15.46	91	72970	0.170 ppbv		92
72) 4-Ethyltoluene	15.85	105	63461	0.136 ppbv	#	94
73) 1,3,5-Trimethylbenzene	16.01	105	62602	0.145 ppbv		93
74) 1,2,4-Trimethylbenzene	16.78	105	79126	0.167 ppbv		94
75) 1,3-Dichlorobenzene	17.01	146	61928	0.177 ppbv		71
76) 1,4-Dichlorobenzene	17.15	146	70374	0.204 ppbv		97
77) 1,2-Dichlorobenzene	17.84	146	74802	0.220 ppbv		98
78) Hexachloro-1,3-Butadiene	23.40	225	26437	0.122 ppbv	#	22
79) Naphthalene	22.23	128	92561	0.176 ppbv	#	95
80) Naphthalene,2-methyl-	25.00	142	11420	0.064 ppbv		95
81) 1,2,4-Trichlorobenzene	21.95	180	29619	0.094 ppbv	#	11

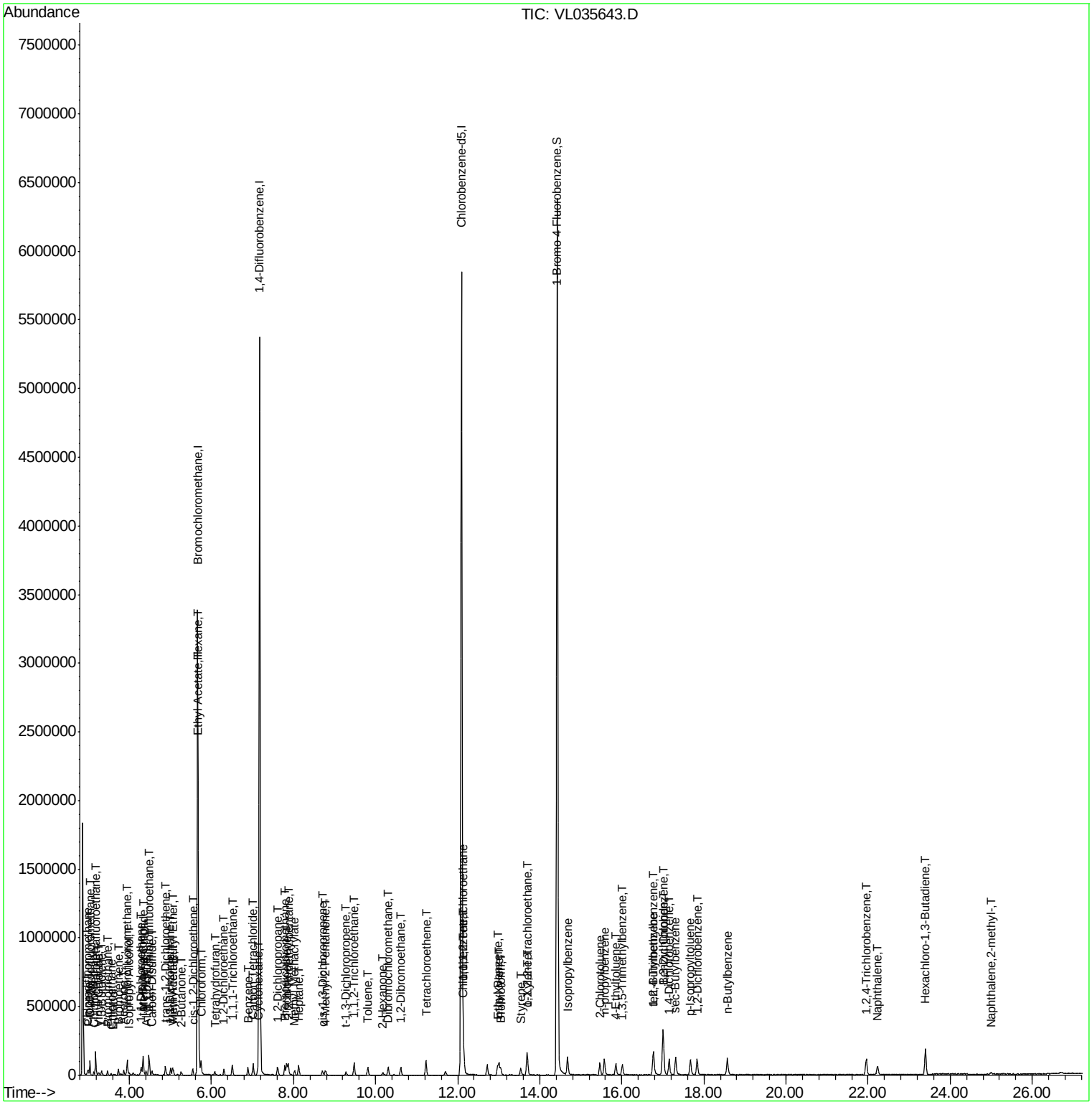
(#) = qualifier out of range (m) = manual integration (+) = signals summed

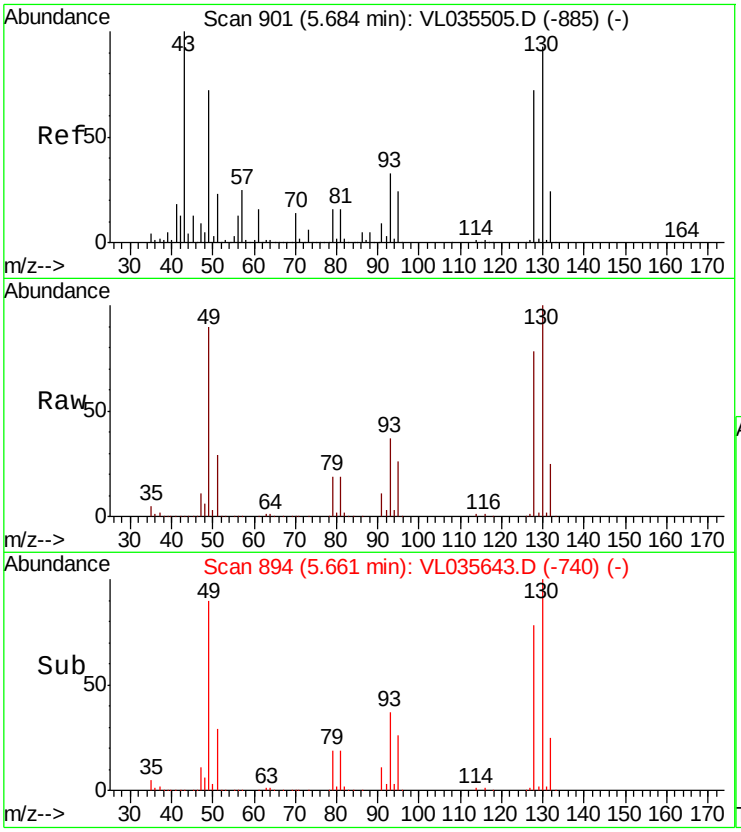
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL091620\
Data File : VL035643.D
Acq On : 17 Sep 2020 00:24
Operator : SY/AP
Sample : VL0916ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Quant Time: Sep 17 07:10:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Sep 14 15:19:50 2020
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration



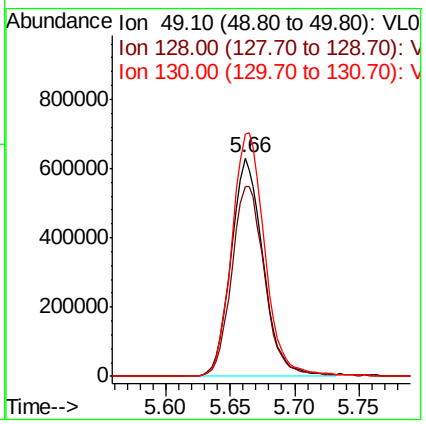


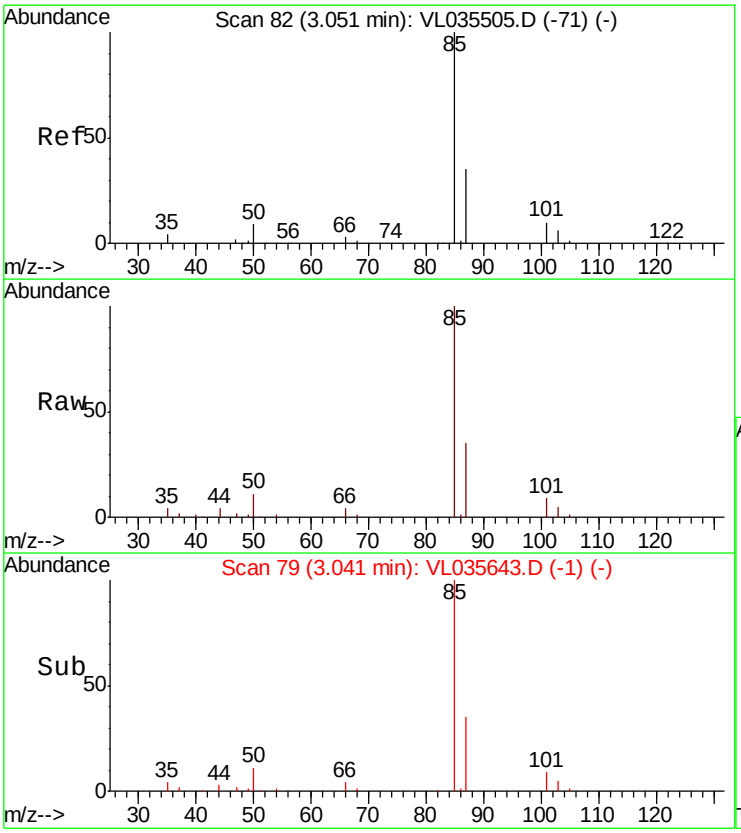
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 49 Resp: 1094171

Ion	Ratio	Lower	Upper
49	100		
128	90.7	50.0	150.1
130	115.7	64.4	193.2

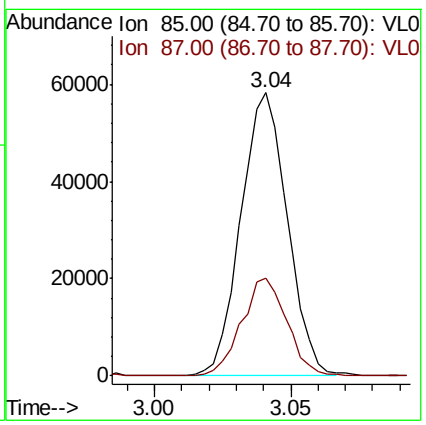


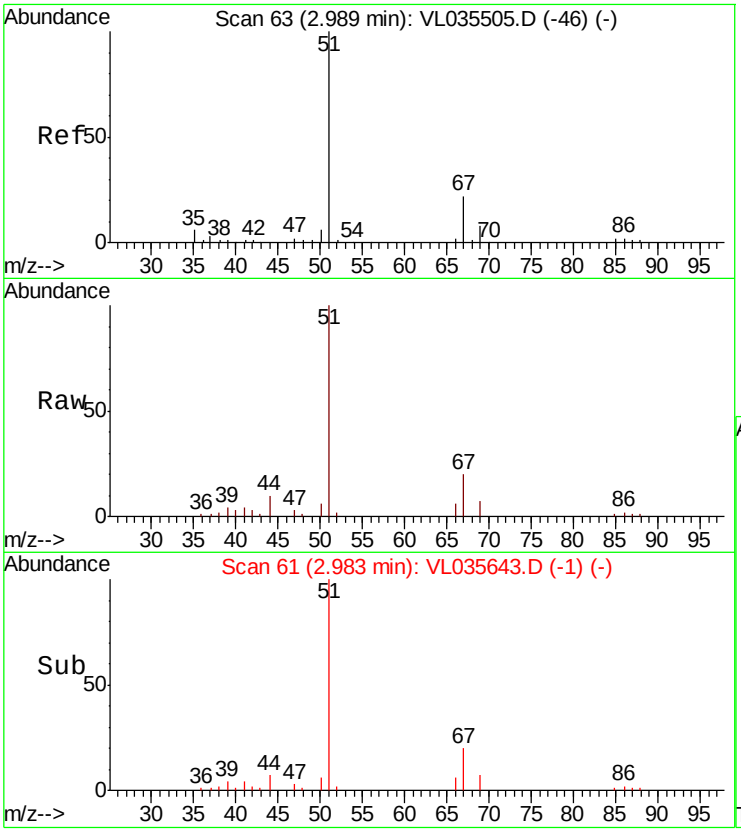


#2
Dichlorodifluoromethane
Concen: 0.362 ppbv
RT: 3.04 min Scan# 79
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 85 Resp: 68700

Ion	Ratio	Lower	Upper
85	100		
87	34.5	28.0	42.0

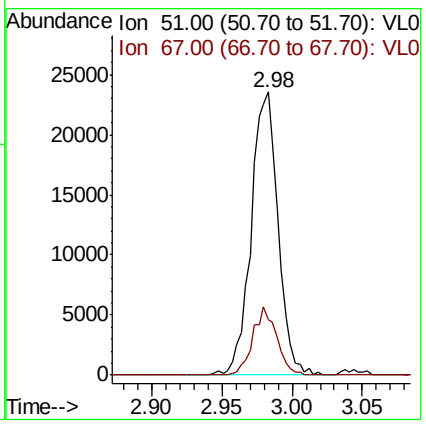




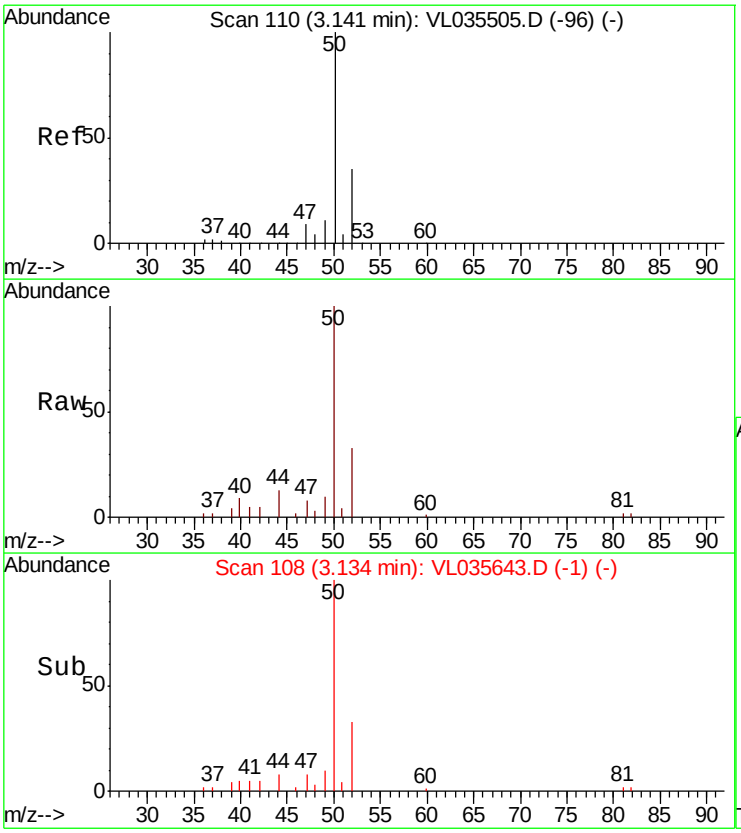
#3
Chlorodifluoromethane
Concen: 0.260 ppbv
RT: 2.98 min Scan# 61
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 51 Resp: 31419

Ion	Ratio	Lower	Upper
51	100		
67	21.5	17.8	26.8



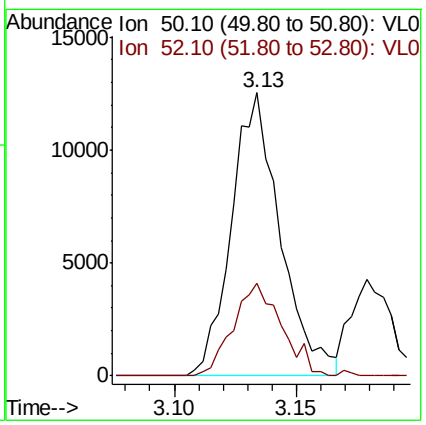
Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

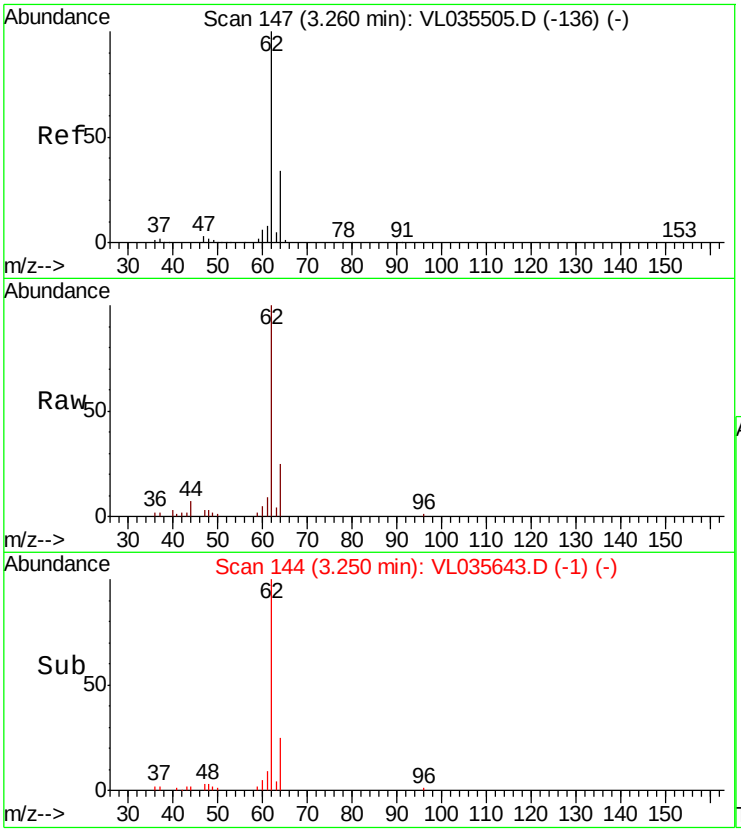


#4
Chloromethane
Concen: 0.269 ppbv
RT: 3.13 min Scan# 108
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 50 Resp: 17443

Ion	Ratio	Lower	Upper
50	100		
52	32.6	27.7	41.5



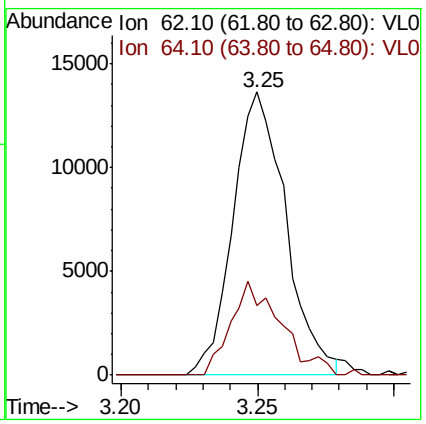


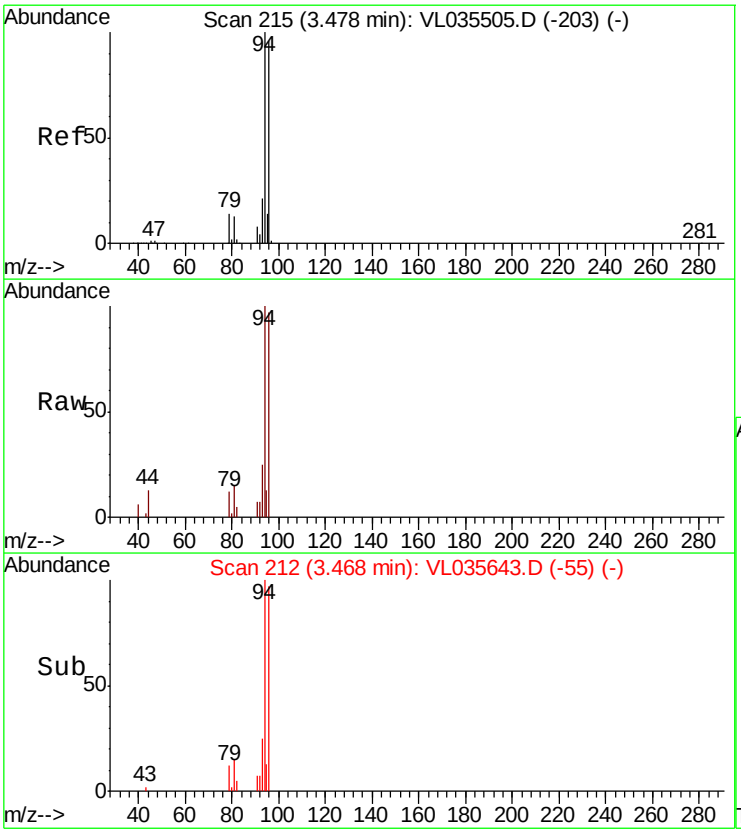
#5
Vinyl Chloride
Concen: 0.229 ppbv
RT: 3.25 min Scan# 144
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 62 Resp: 18308

Ion	Ratio	Lower	Upper
62	100		
64	24.8	27.4	41.2#

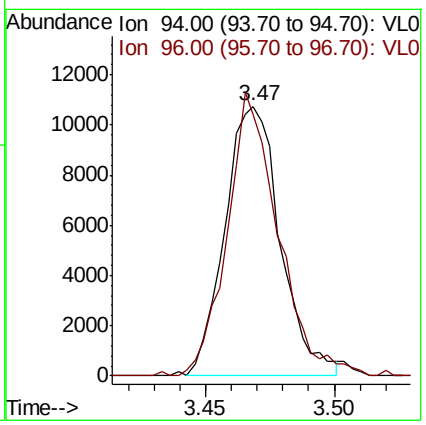


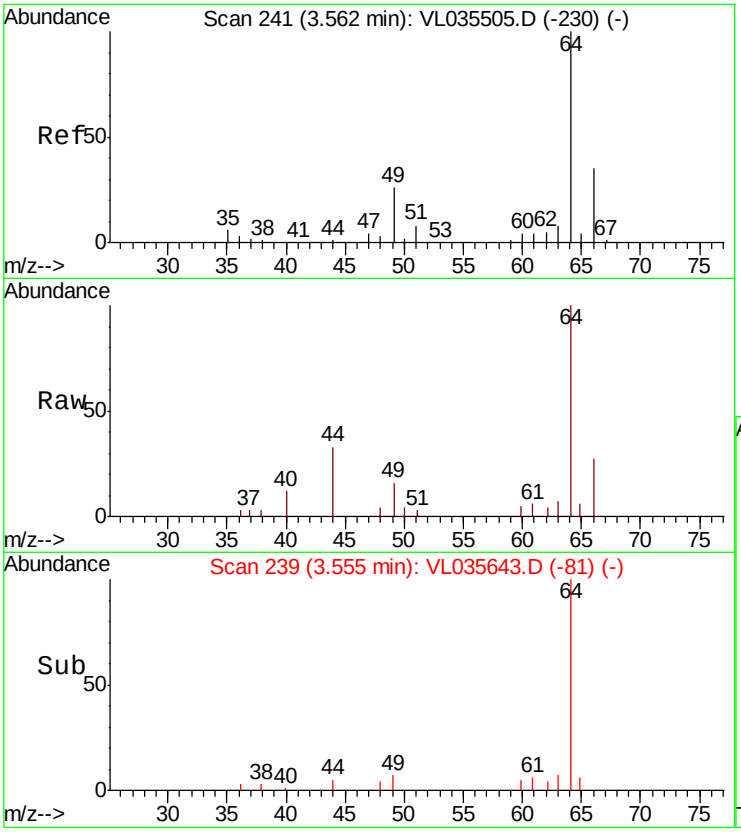


#6
Bromomethane
Concen: 0.240 ppbv
RT: 3.47 min Scan# 212
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 94 Resp: 16118

Ion	Ratio	Lower	Upper
94	100		
96	94.9	77.1	115.7



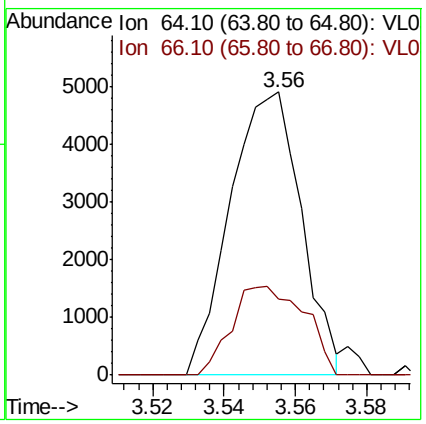


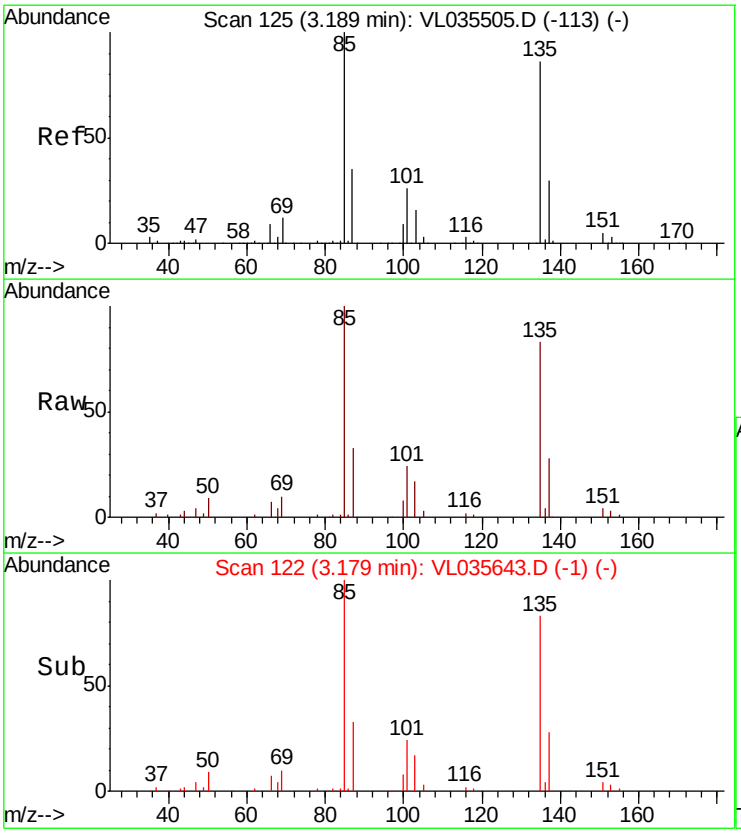
#7
Chloroethane
Concen: 0.239 ppbv
RT: 3.56 min Scan# 239
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 64 Resp: 6750

Ion	Ratio	Lower	Upper
64	100		
66	26.9	27.7	41.5#

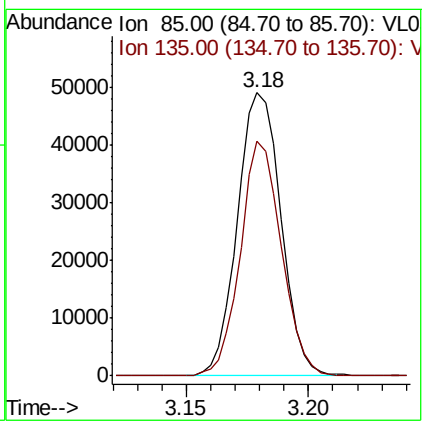


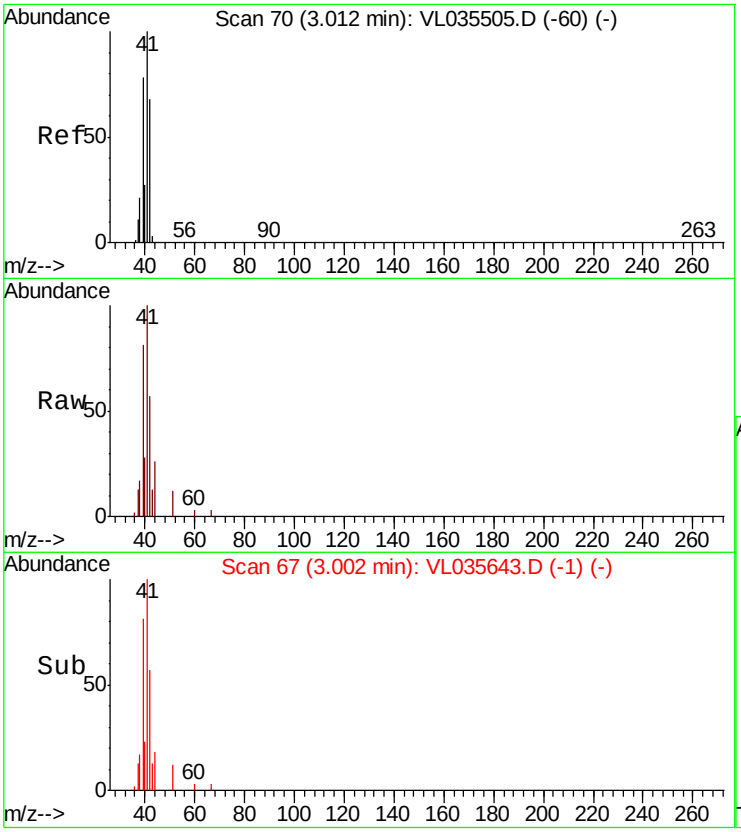


#8
Dichlorotetrafluoroethane
Concen: 0.264 ppbv
RT: 3.18 min Scan# 122
Delta R.T. 0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 85 Resp: 60618

Ion	Ratio	Lower	Upper
85	100		
135	77.9	70.4	105.6



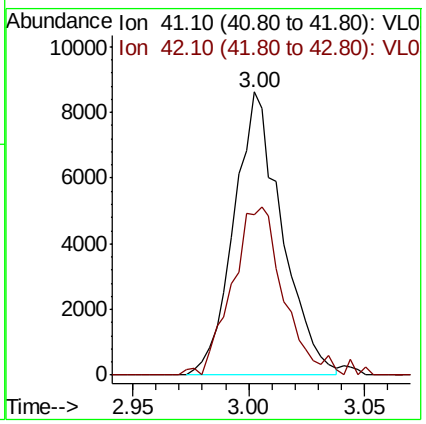


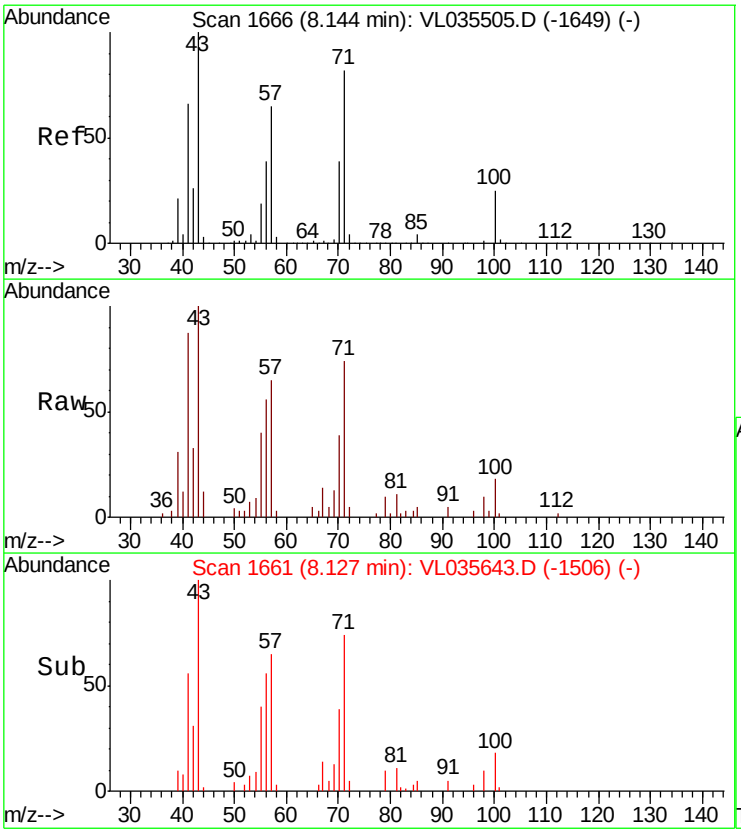
#9
Propene
Concen: 0.266 ppbv
RT: 3.00 min Scan# 67
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tgt Ion: 41 Resp: 12387

Ion	Ratio	Lower	Upper
41	100		
42	64.7	56.3	84.5

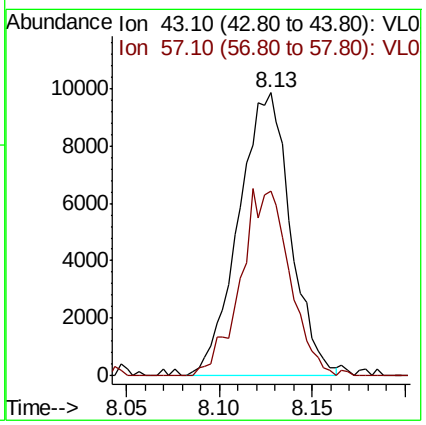


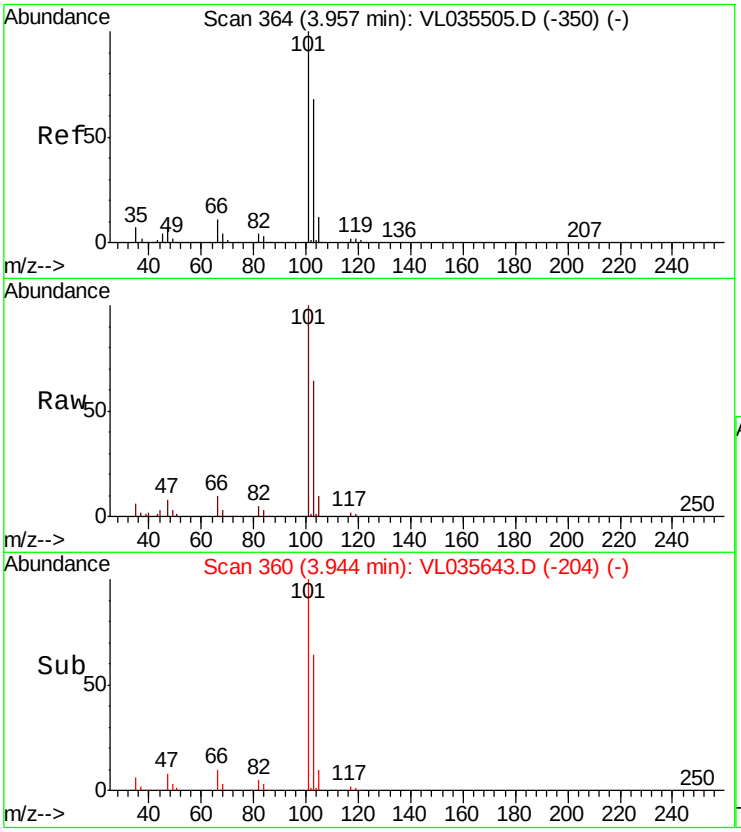


#10
Heptane
Concen: 0.153 ppbv
RT: 8.13 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 43 Resp: 19150

Ion	Ratio	Lower	Upper
43	100		
57	62.8	51.4	77.0



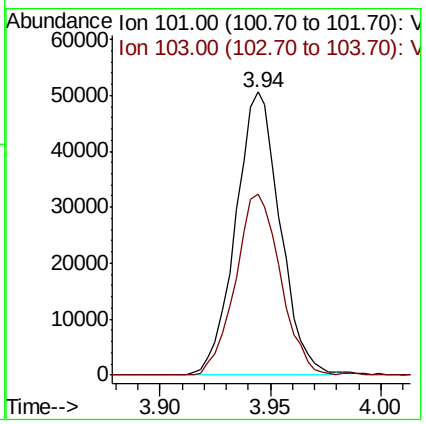


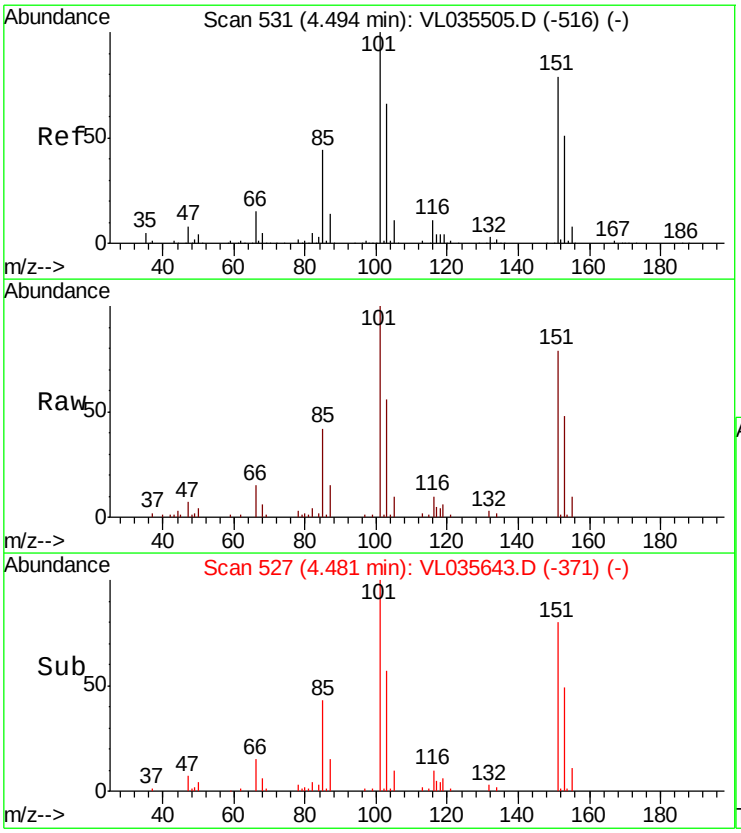
#11
Trichlorofluoromethane
Concen: 0.256 ppbv
RT: 3.94 min Scan# 360
Delta R.T. 0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tgt Ion:101 Resp: 70729

Ion	Ratio	Lower	Upper
101	100		
103	64.1	54.5	81.7

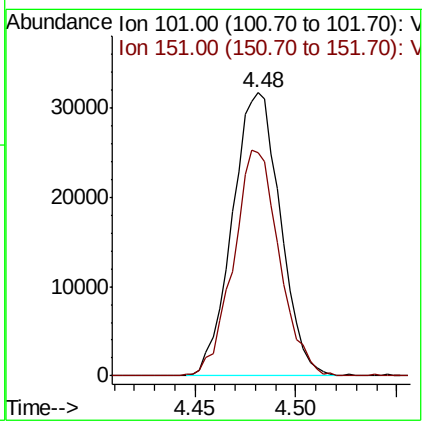


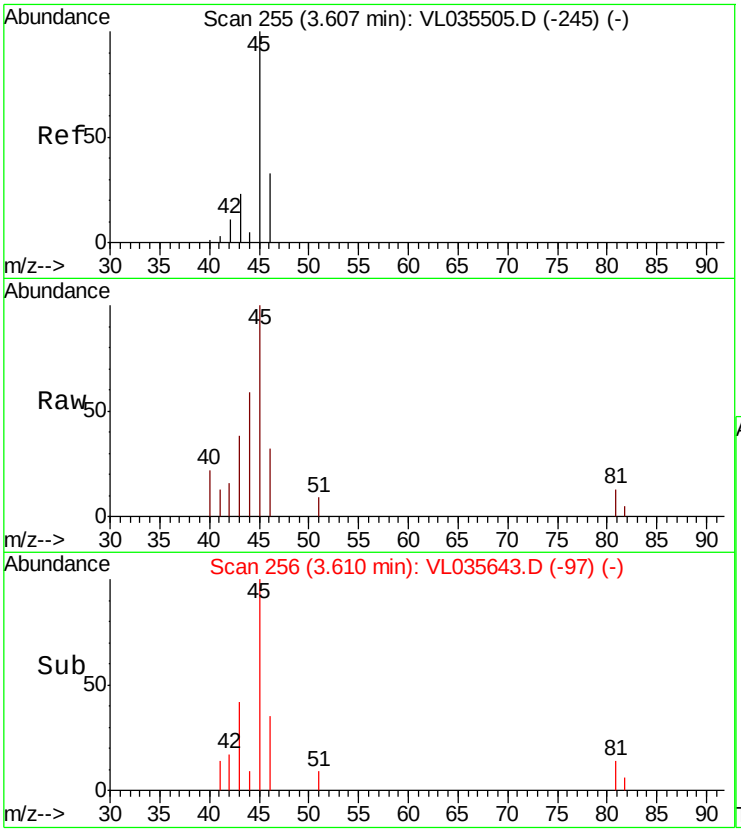


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.253 ppbv
RT: 4.48 min Scan# 527
Delta R.T. 0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion:101 Resp: 52741

Ion	Ratio	Lower	Upper
101	100		
151	76.3	63.5	95.3



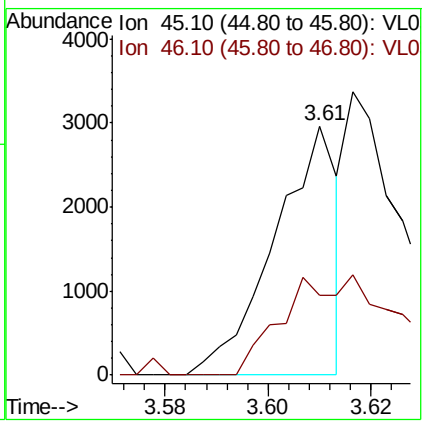


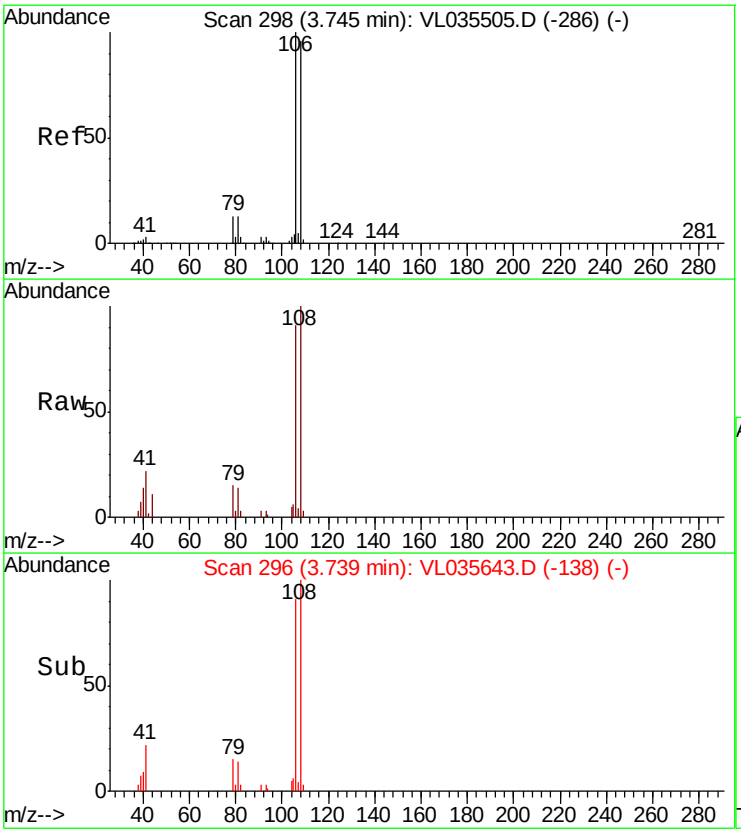
#13
Ethanol
Concen: 0.218 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 45 Resp: 2524

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.2	60.6#

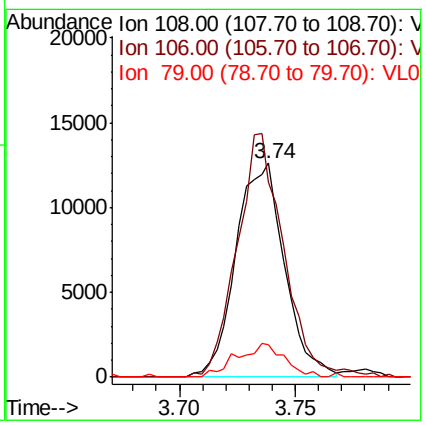


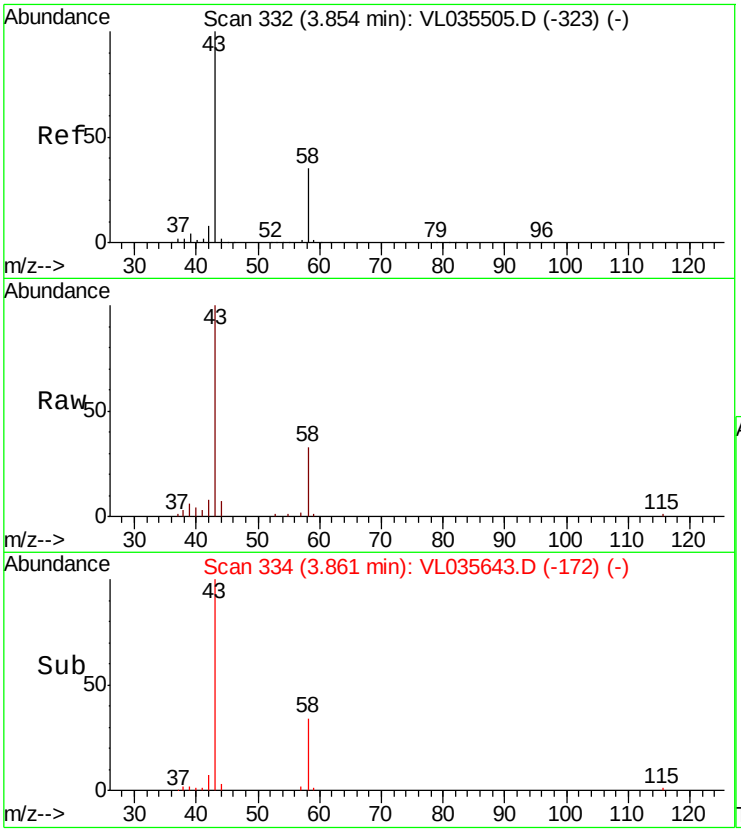


#14
Bromoethene
Concen: 0.205 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion:108 Resp: 18378

Ion	Ratio	Lower	Upper
108	100		
106	109.7	84.9	127.3
79	15.6	10.8	16.2



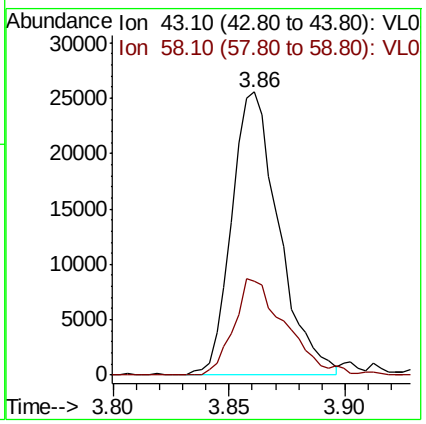


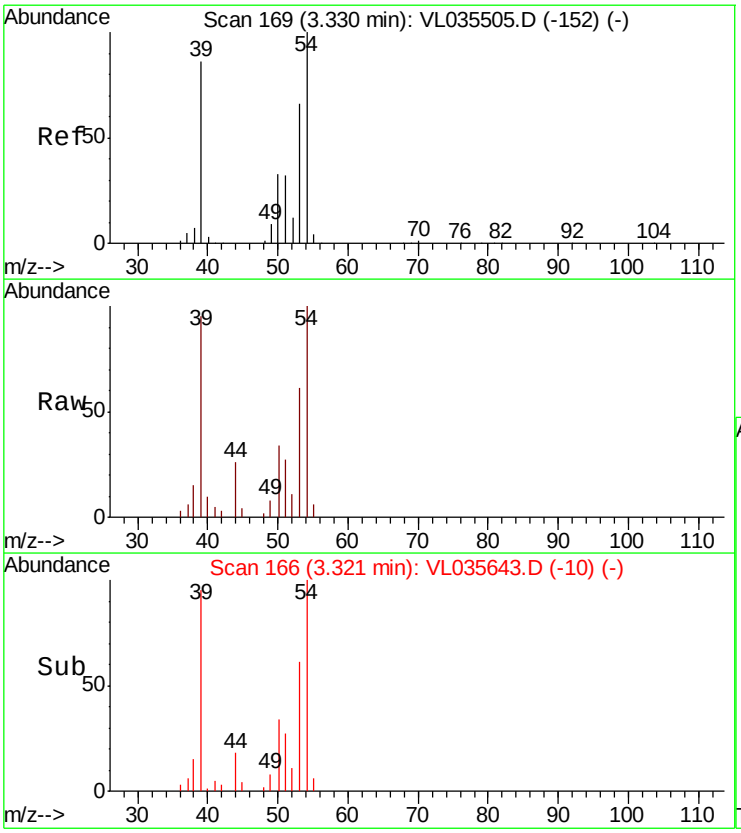
#15
Acetone
Concen: 0.300 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.02 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 43 Resp: 36166

Ion	Ratio	Lower	Upper
43	100		
58	37.3	28.4	42.6

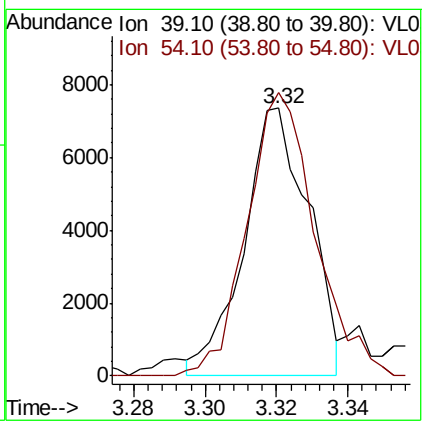


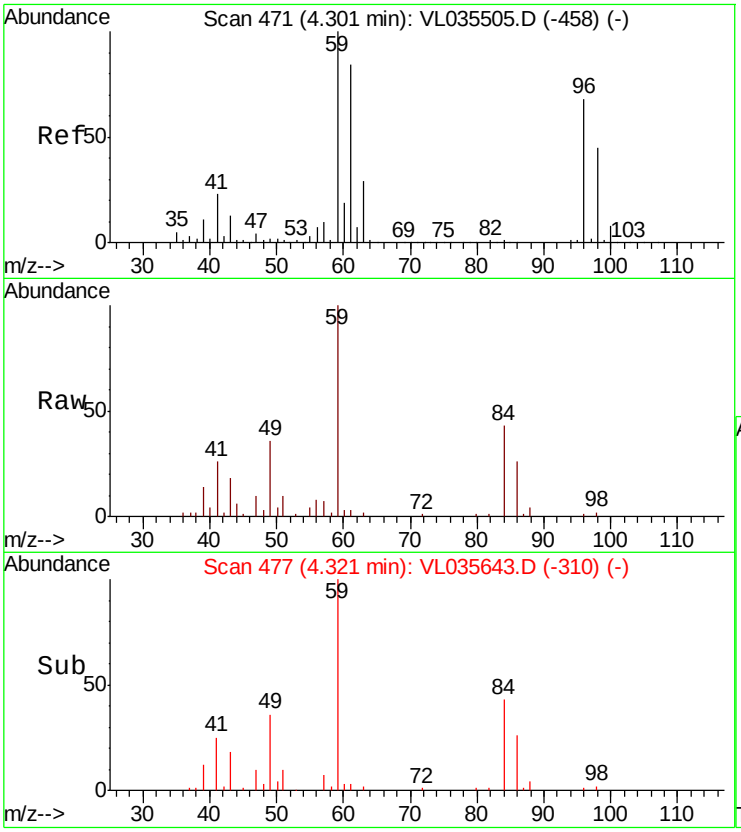


#16
1,3-Butadiene
Concen: 0.206 ppbv
RT: 3.32 min Scan# 166
Delta R.T. 0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 39 Resp: 9263

Ion	Ratio	Lower	Upper
39	100		
54	111.0	88.4	132.6



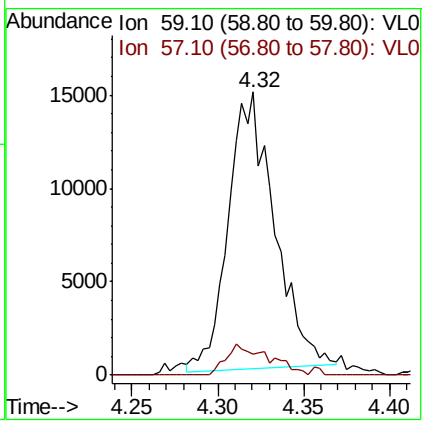


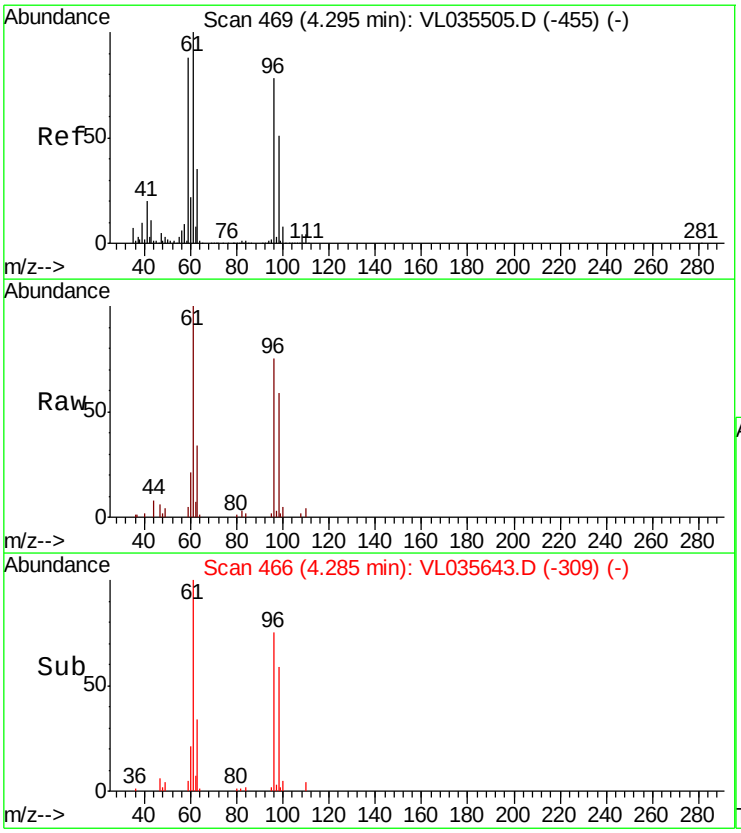
#17
tert-Butyl alcohol
Concen: 0.189 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.04 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 59 Resp: 27731

Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.4	12.6

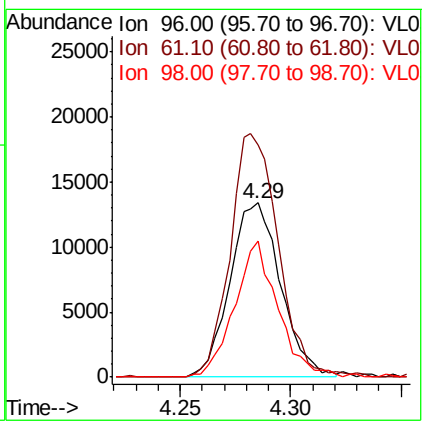


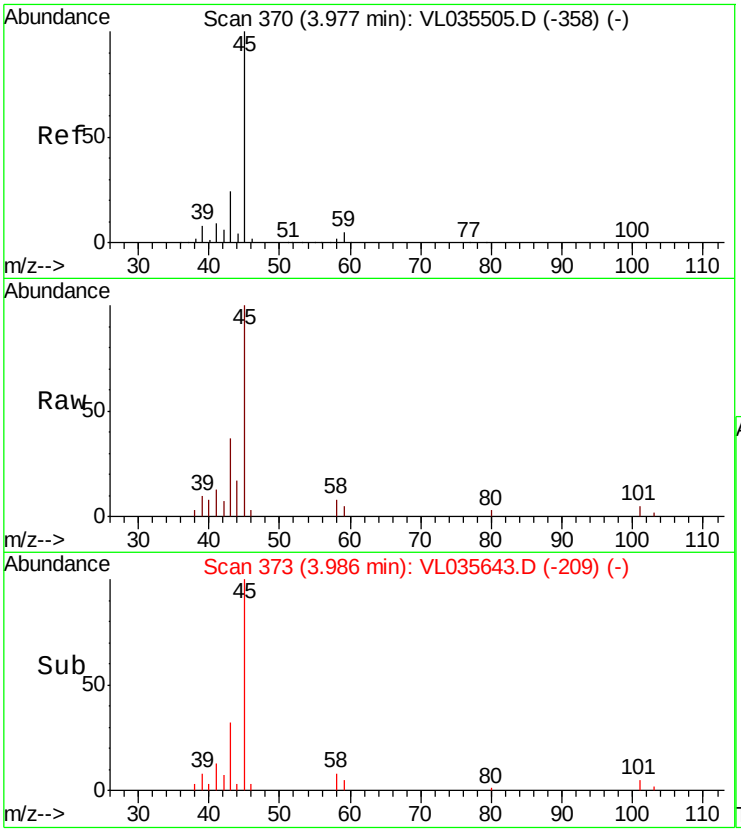


#18
1,1-Dichloroethene
Concen: 0.233 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 96 Resp: 21445

Ion	Ratio	Lower	Upper
96	100		
61	132.8	103.0	154.6
98	77.8	52.8	79.2



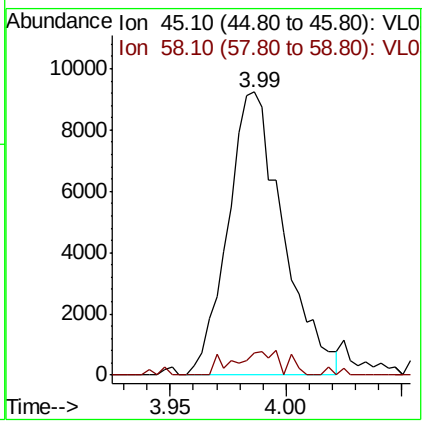


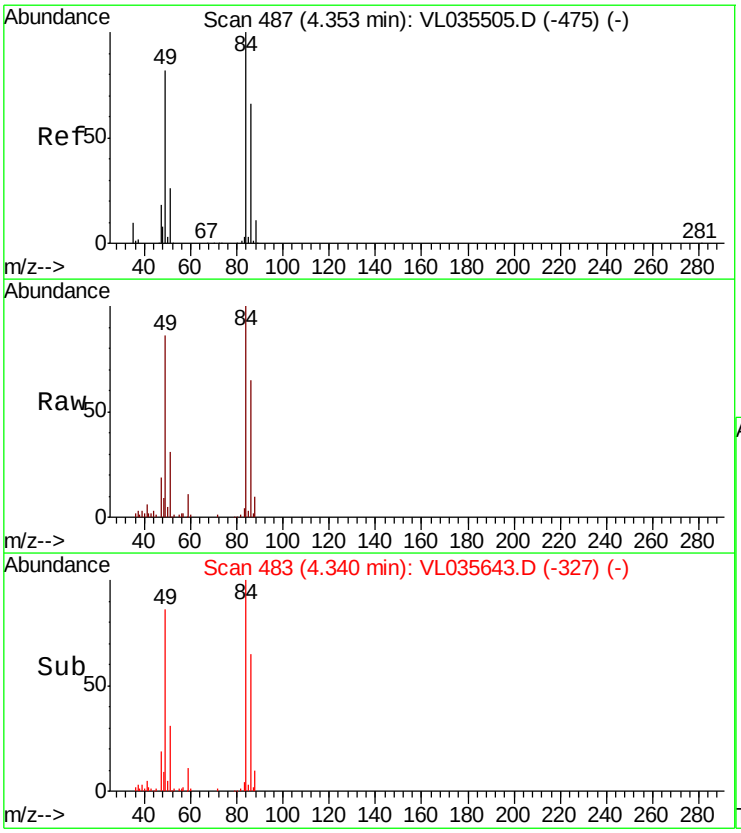
#19
Isopropyl Alcohol
Concen: 0.212 ppbv
RT: 3.99 min Scan# 373
Delta R.T. 0.03 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 45 Resp: 15278

Ion	Ratio	Lower	Upper
45	100		
58	8.2	2.0	3.0#

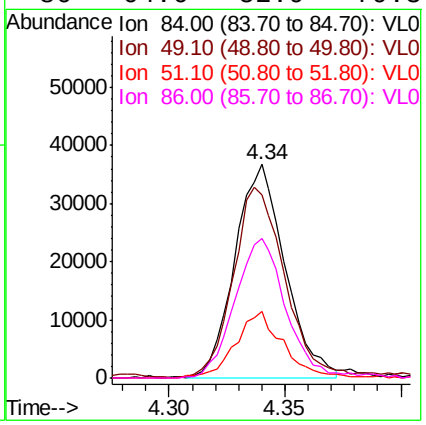


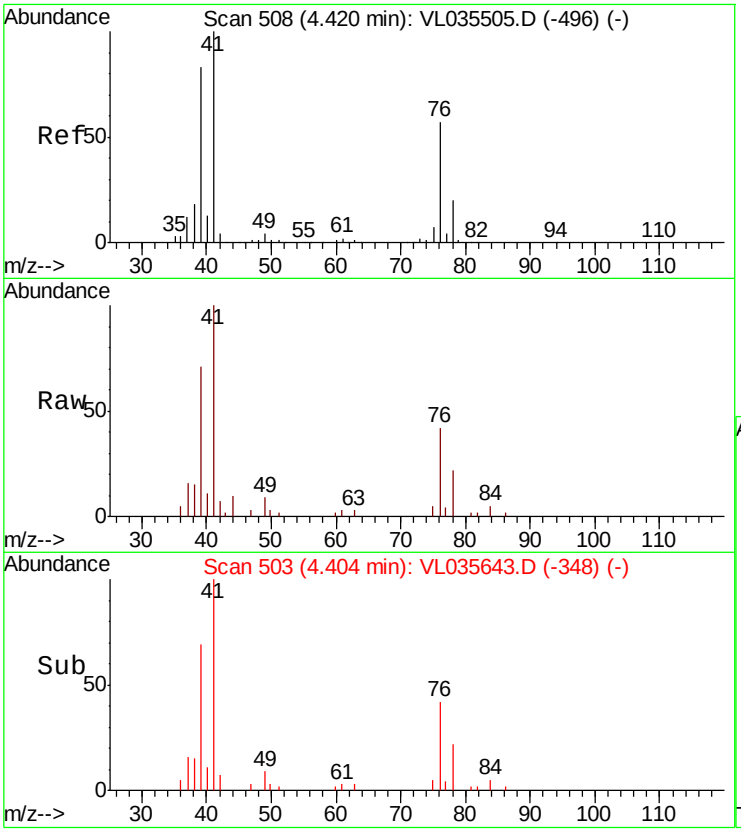


#20
Methylene Chloride
Concen: 0.616 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 84 Resp: 55342

Ion	Ratio	Lower	Upper
84	100		
49	85.4	65.4	98.0
51	29.8	21.5	32.3
86	64.6	52.9	79.3



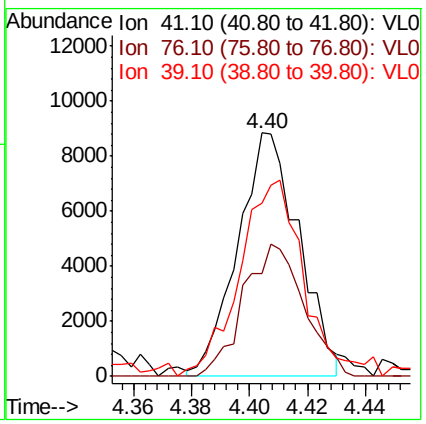


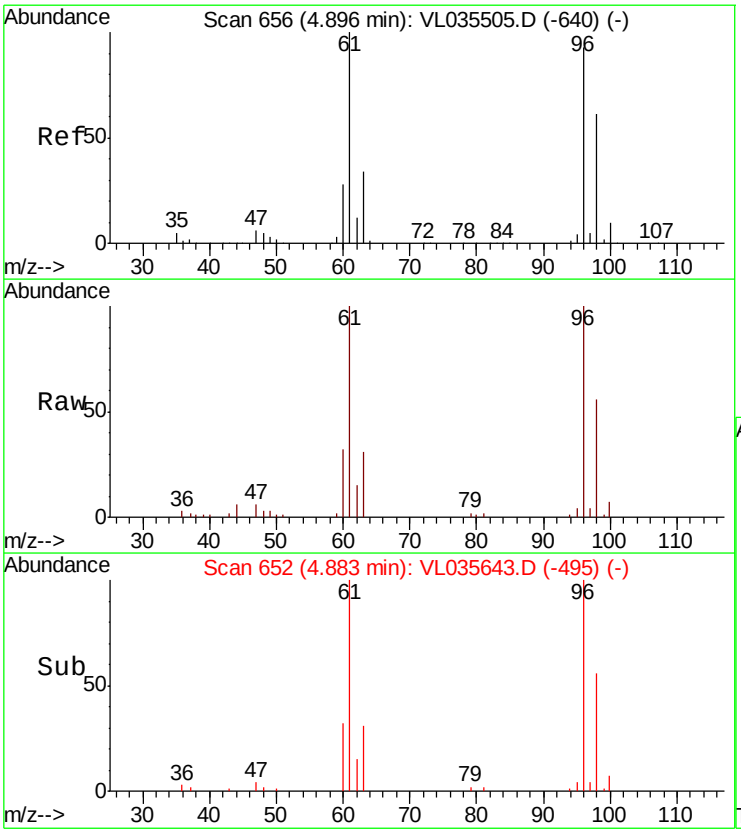
#21
Allyl Chloride
Concen: 0.228 ppbv
RT: 4.40 min Scan# 503
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 41 Resp: 12903

Ion	Ratio	Lower	Upper
41	100		
76	54.1	46.2	69.2
39	89.0	67.8	101.6

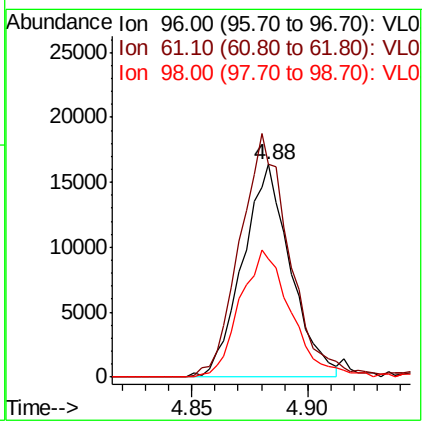


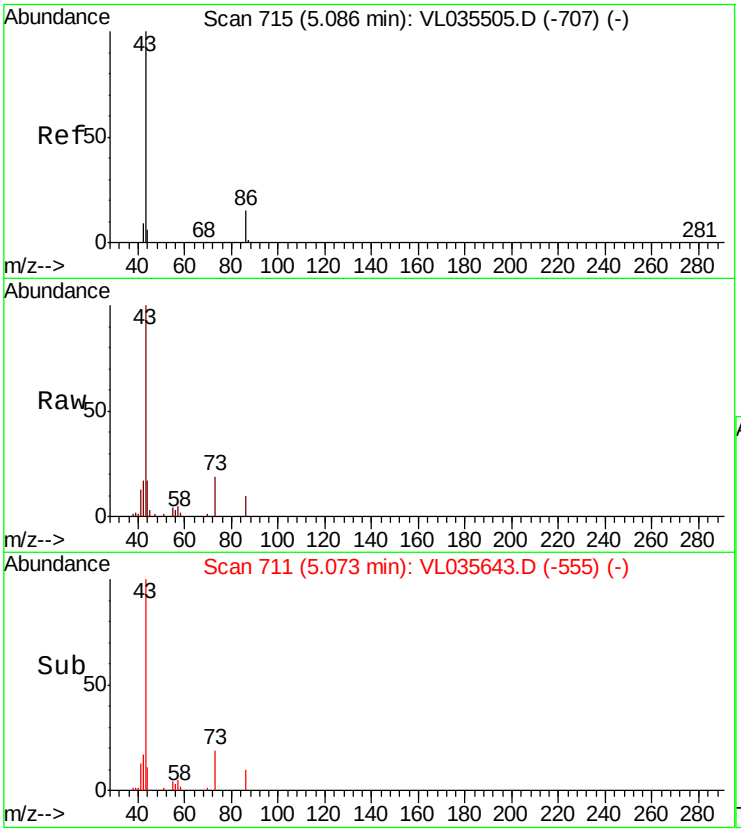


#22
trans-1,2-Dichloroethene
Concen: 0.241 ppbv
RT: 4.88 min Scan# 652
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 96 Resp: 23590

Ion	Ratio	Lower	Upper
96	100		
61	99.9	86.0	129.0
98	55.8	52.3	78.5



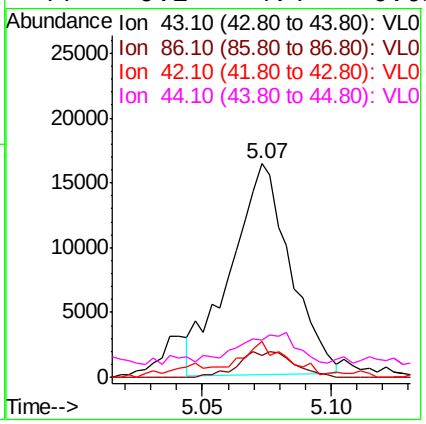


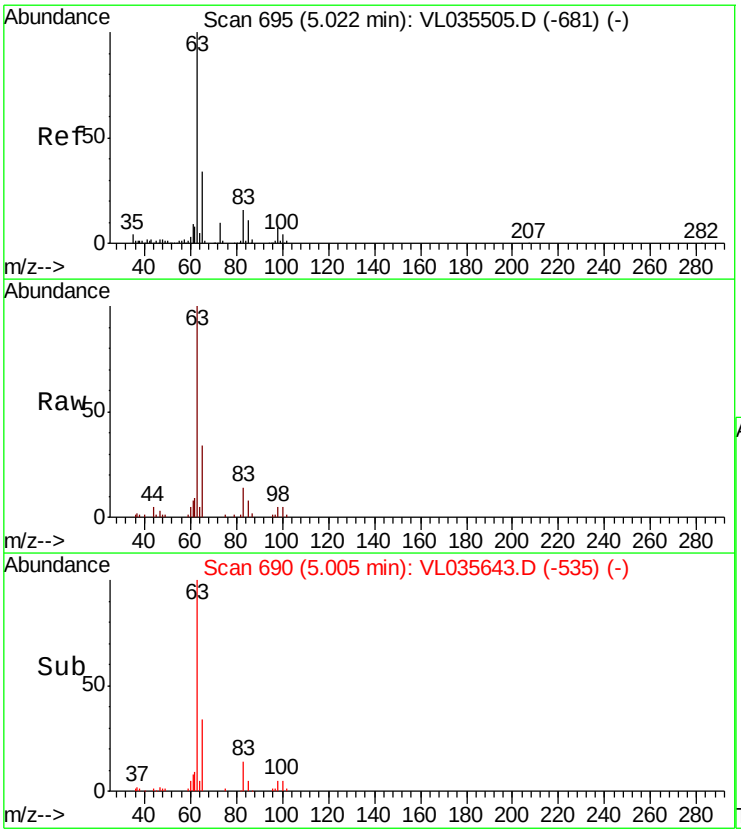
#23
Vinyl Acetate
Concen: 0.170 ppbv
RT: 5.07 min Scan# 711
Delta R.T. 0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 43 Resp: 26348

Ion	Ratio	Lower	Upper
43	100		
86	10.7	10.6	16.0
42	15.3	7.5	11.3#
44	9.2	4.4	6.6#

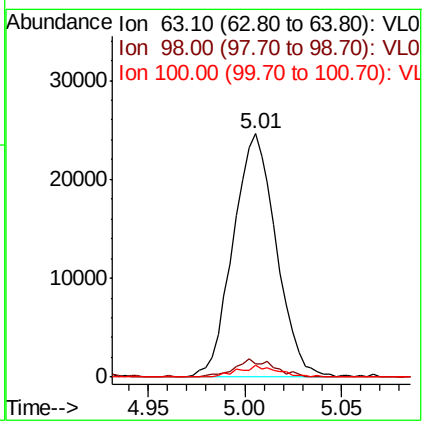


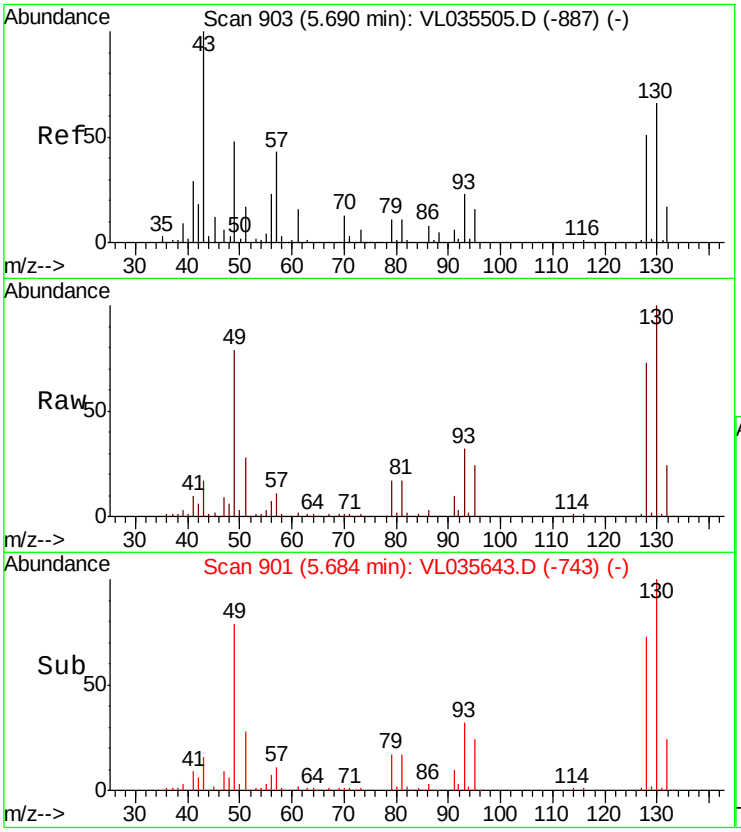


#24
1,1-Dichloroethane
Concen: 0.239 ppbv
RT: 5.01 min Scan# 690
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 63 Resp: 38149

Ion	Ratio	Lower	Upper
63	100		
98	5.3	3.4	10.1
100	4.7	2.1	6.5



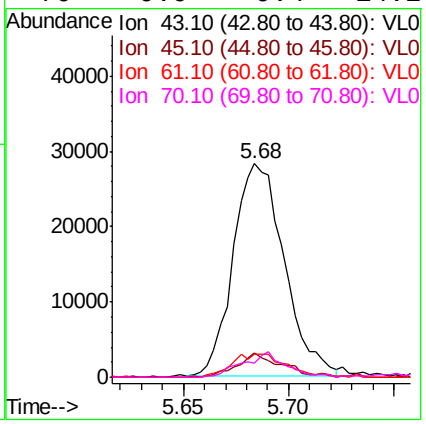


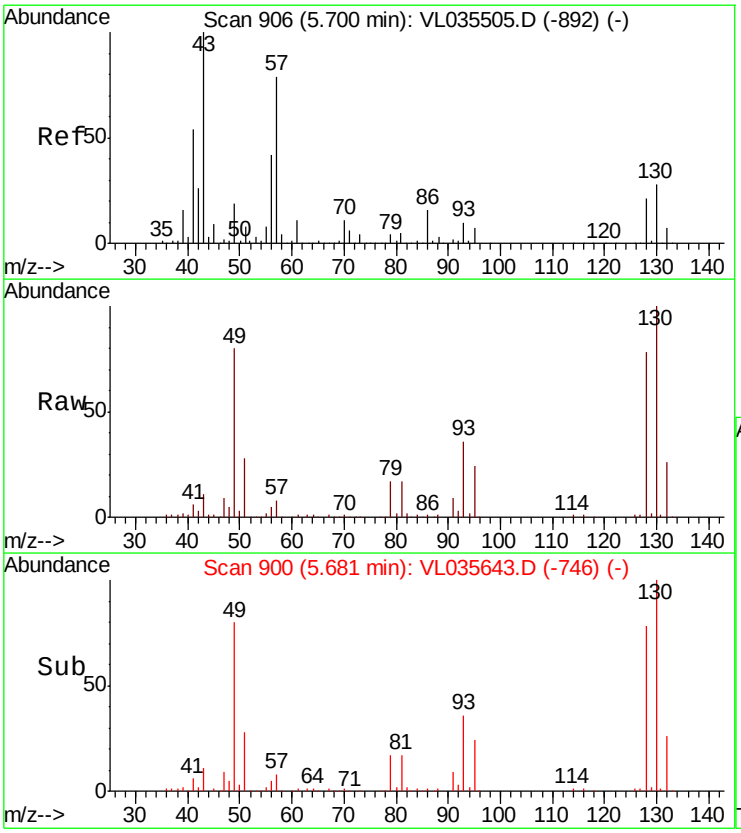
#25
Ethyl Acetate
Concen: 0.222 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 43 Resp: 47338

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.4	12.6
61	12.0	10.6	16.0
70	9.9	9.4	14.2

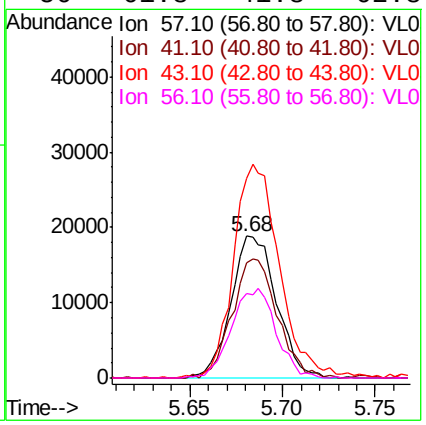


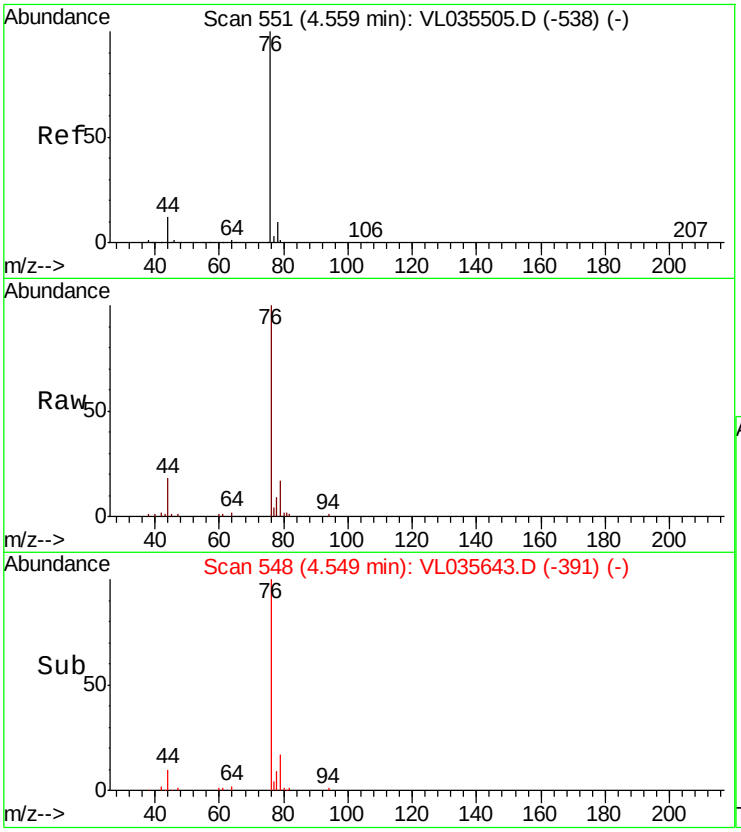


#26
Hexane
Concen: 0.264 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 57 Resp: 31939

Ion	Ratio	Lower	Upper
57	100		
41	83.6	55.9	83.9
43	155.8	141.8	212.8
56	61.8	41.8	62.8



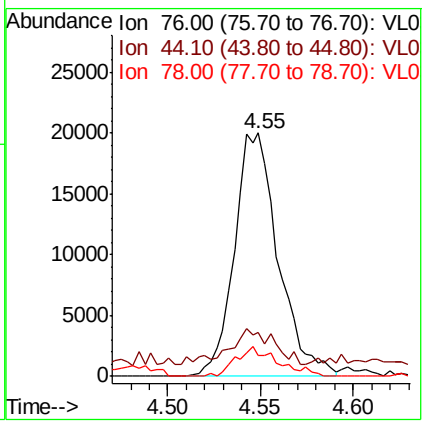


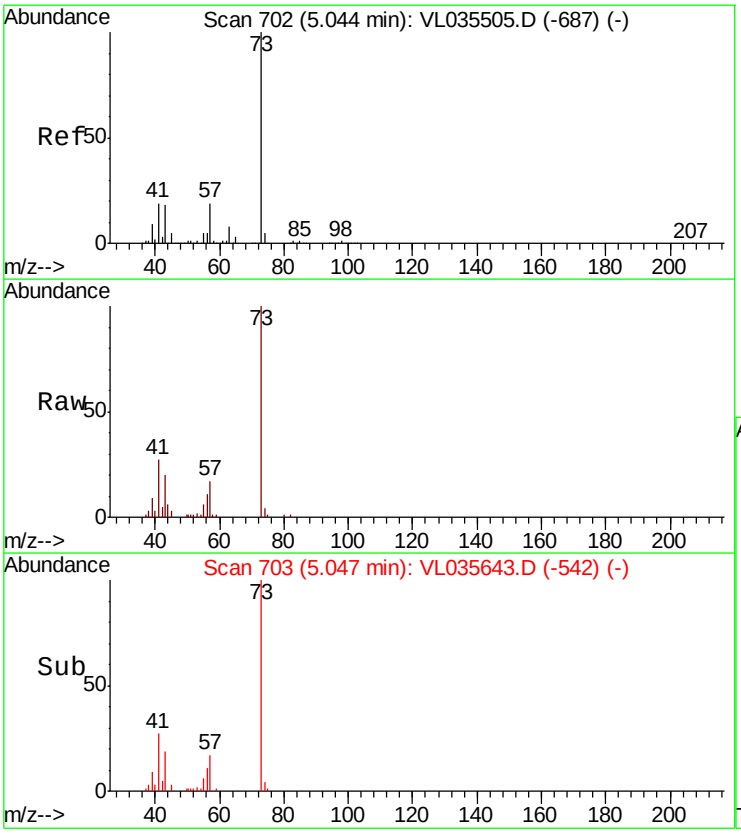
#27
Carbon Disulfide
Concen: 0.189 ppbv
RT: 4.55 min Scan# 548
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 76 Resp: 32848

Ion	Ratio	Lower	Upper
76	100		
44	16.1	9.3	13.9#
78	11.5	7.8	11.6

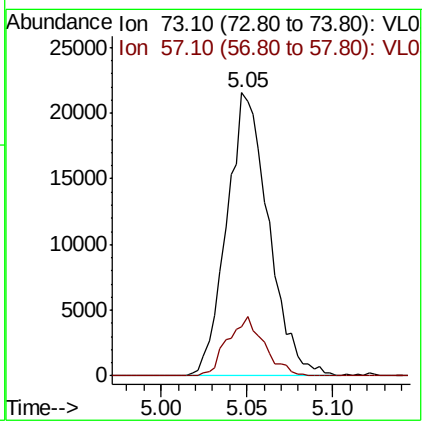


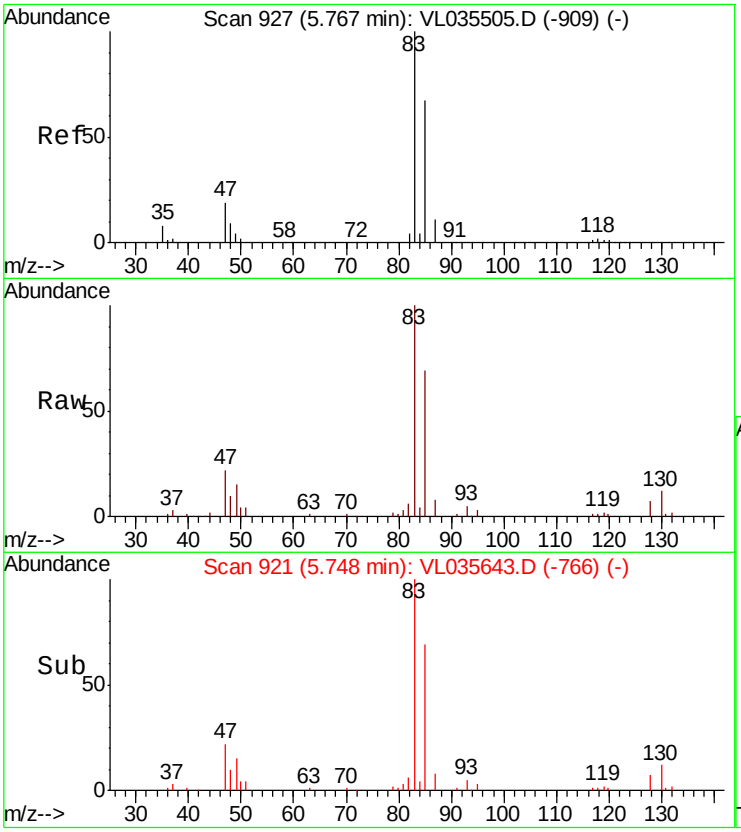


#28
Methyl tert-Butyl Ether
Concen: 0.174 ppbv
RT: 5.05 min Scan# 703
Delta R.T. 0.02 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 73 Resp: 36597

Ion	Ratio	Lower	Upper
73	100		
57	18.3	15.2	22.8



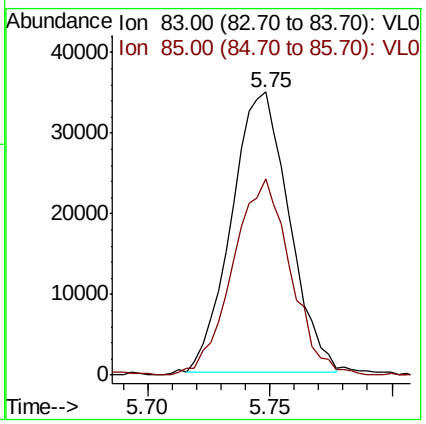


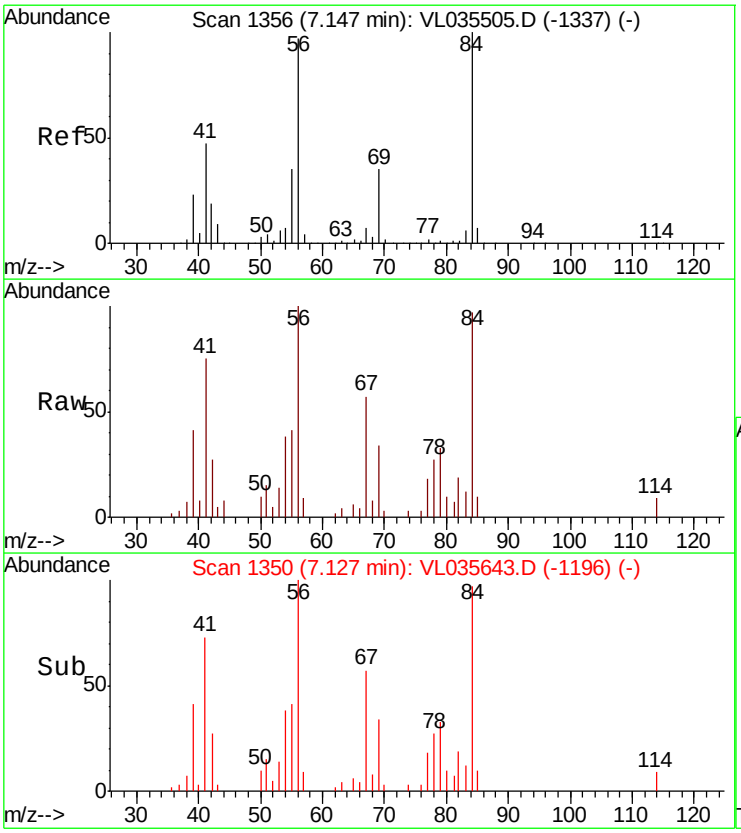
#29
Chloroform
Concen: 0.232 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 83 Resp: 56999

Ion	Ratio	Lower	Upper
83	100		
85	68.3	53.9	80.9

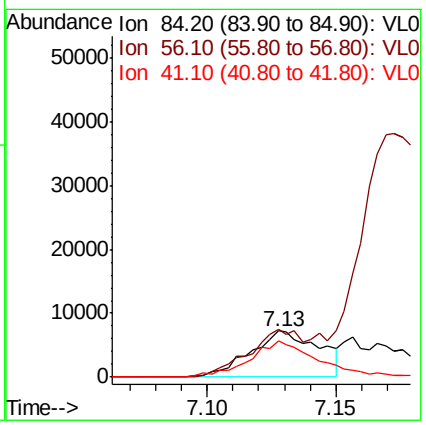


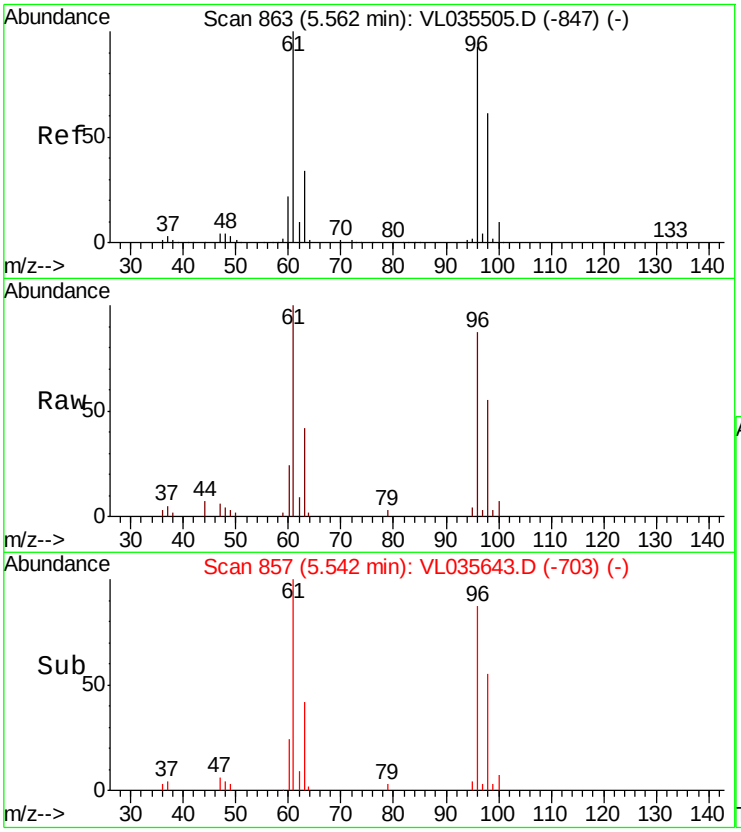


#30
Cyclohexane
Concen: 0.105 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 84 Resp: 13533

Ion	Ratio	Lower	Upper
84	100		
56	0.0	80.1	120.1#
41	78.3	38.1	57.1#



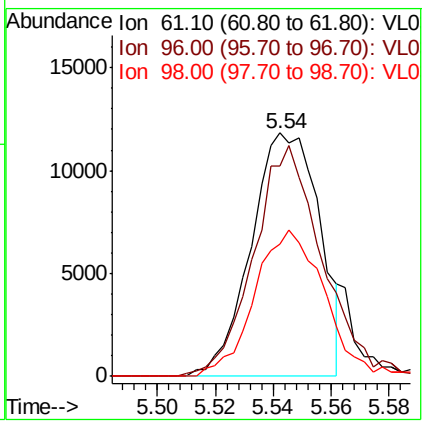


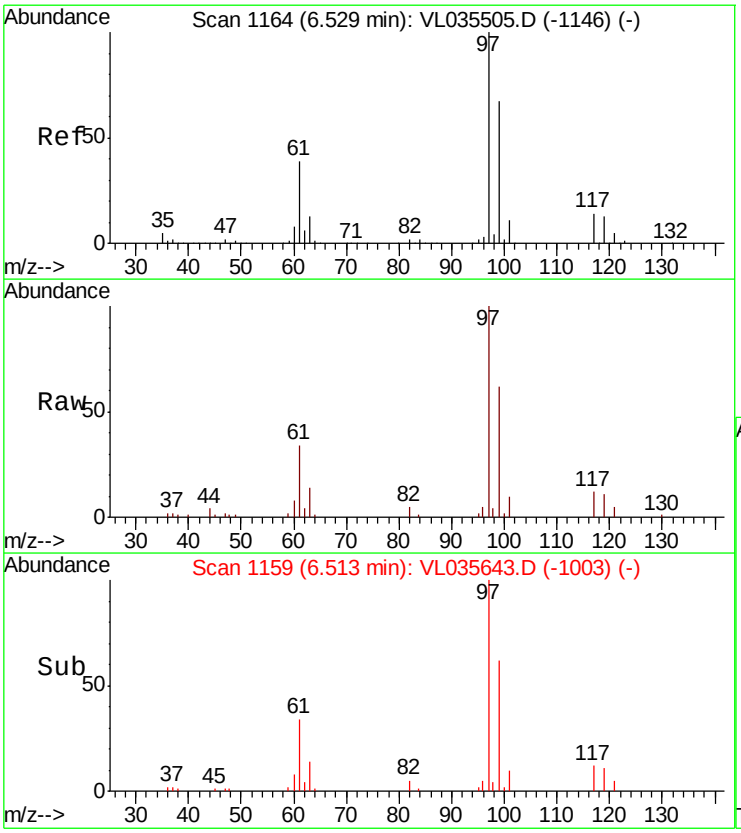
#31
cis-1,2-Dichloroethene
Concen: 0.157 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 61 Resp: 19460

Ion	Ratio	Lower	Upper
61	100		
96	85.3	74.4	111.6
98	54.6	49.2	73.8

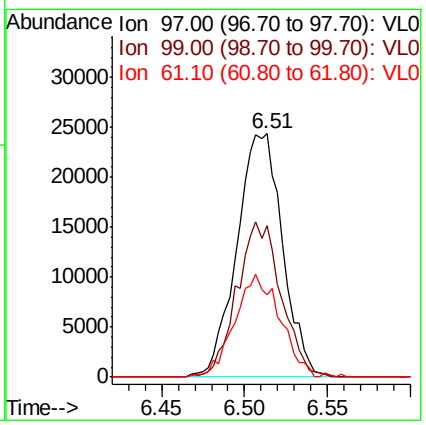


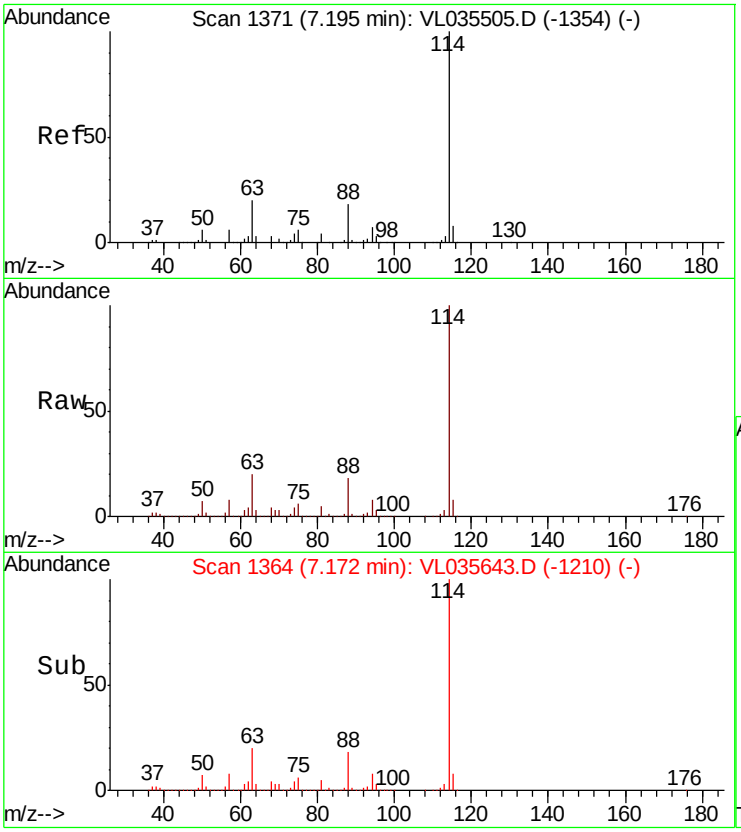


#32
1,1,1-Trichloroethane
Concen: 0.196 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. 0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 97 Resp: 46856

Ion	Ratio	Lower	Upper
97	100		
99	61.3	53.3	79.9
61	41.8	30.6	46.0



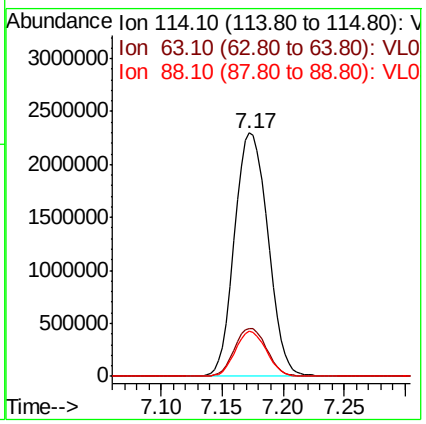


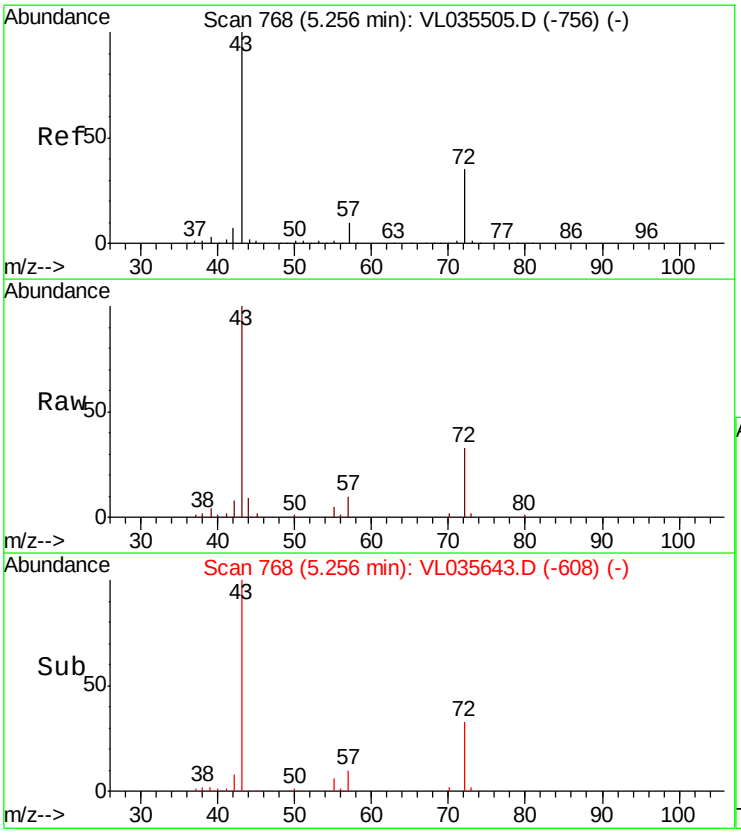
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument :
MSVOA_L
ClientSampleId :
VL0916ABS01

Tgt Ion:114 Resp: 4362914

Ion	Ratio	Lower	Upper
114	100		
63	19.2	14.7	22.1
88	17.2	13.4	20.2

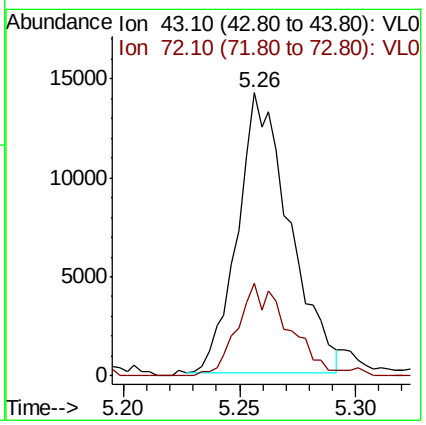


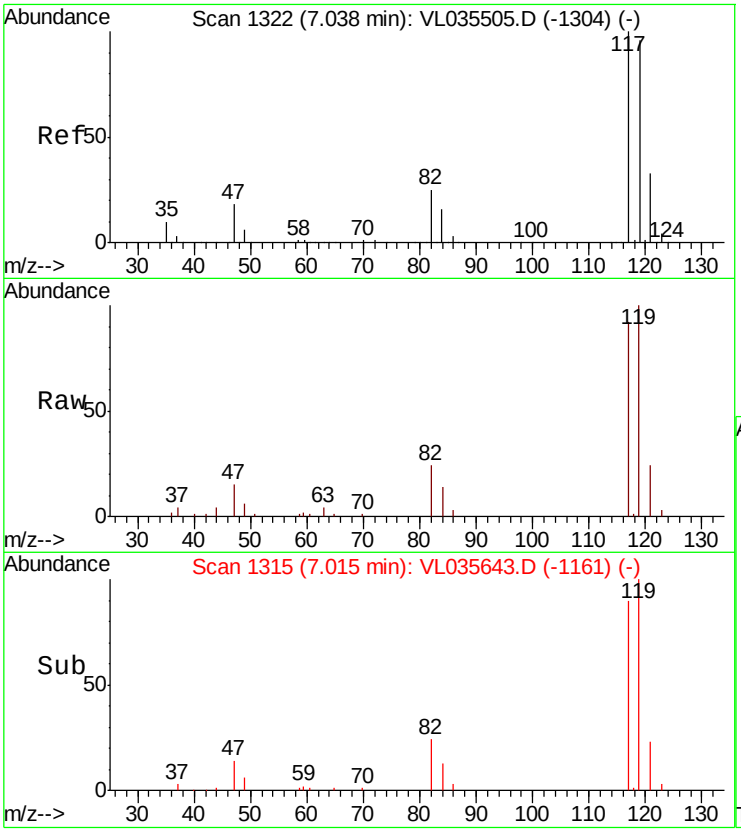


#34
2-Butanone
Concen: 0.170 ppbv
RT: 5.26 min Scan# 768
Delta R.T. 0.02 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 43 Resp: 22029

Ion	Ratio	Lower	Upper
43	100		
72	33.4	27.7	41.5



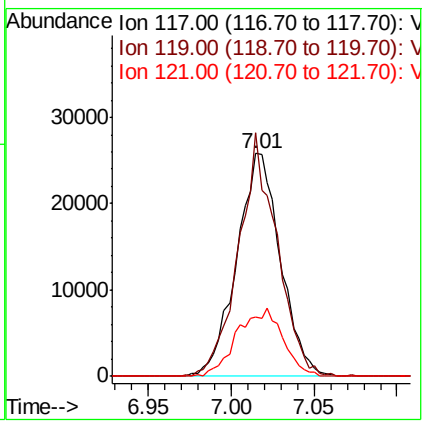


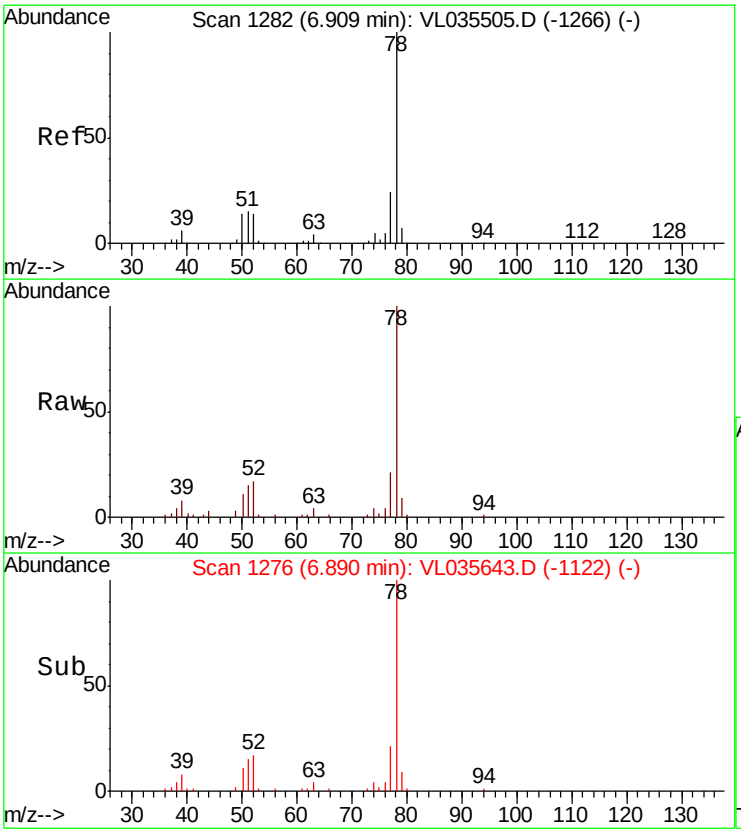
#35
Carbon Tetrachloride
Concen: 0.215 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion:117 Resp: 47127

Ion	Ratio	Lower	Upper
117	100		
119	109.2	77.2	115.8
121	26.4	26.1	39.1

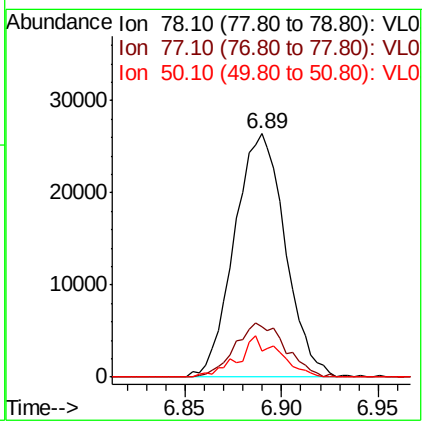


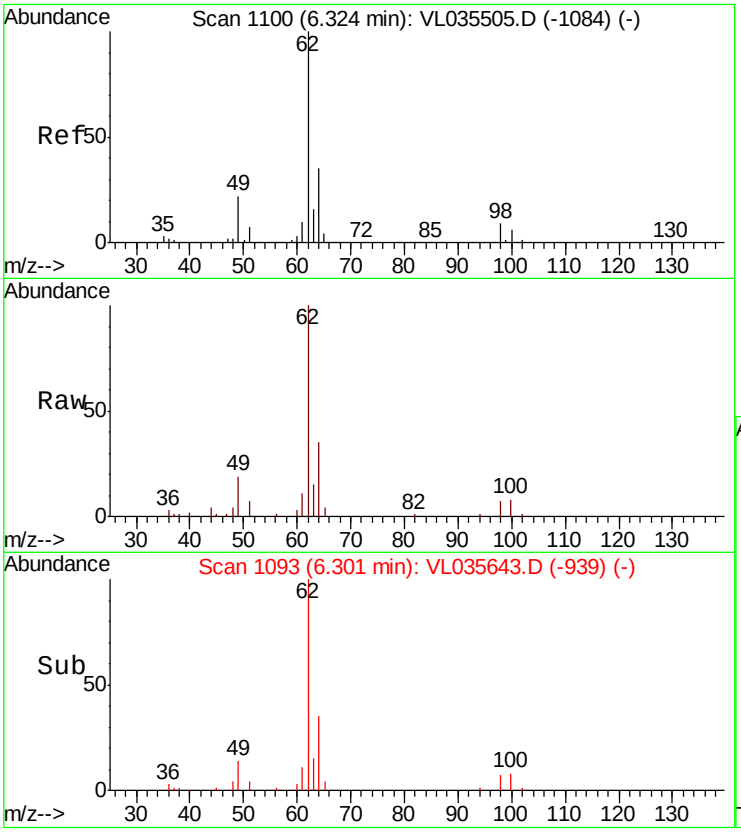


#36
Benzene
Concen: 0.171 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 78 Resp: 48224

Ion	Ratio	Lower	Upper
78	100		
77	20.9	19.3	28.9
50	10.9	11.0	16.6#



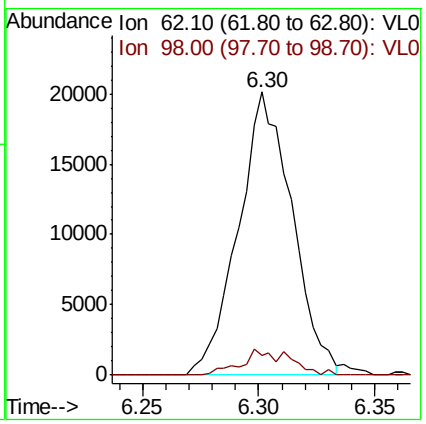


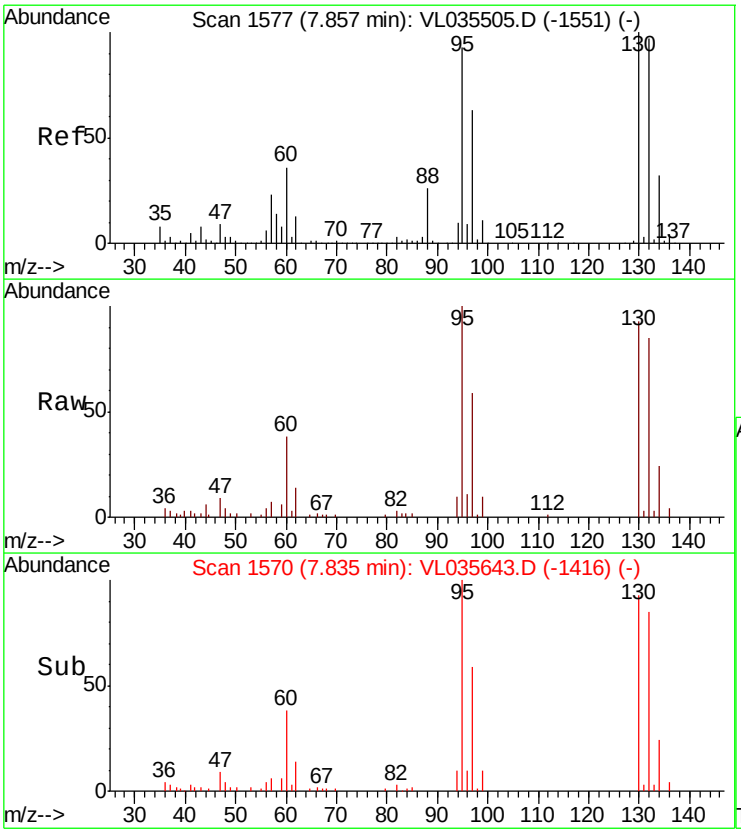
#37
1,2-Dichloroethane
Concen: 0.241 ppbv
RT: 6.30 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 62 Resp: 32423

Ion	Ratio	Lower	Upper
62	100		
98	8.2	7.4	11.0

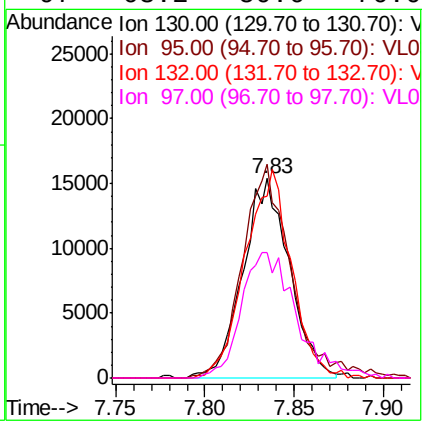


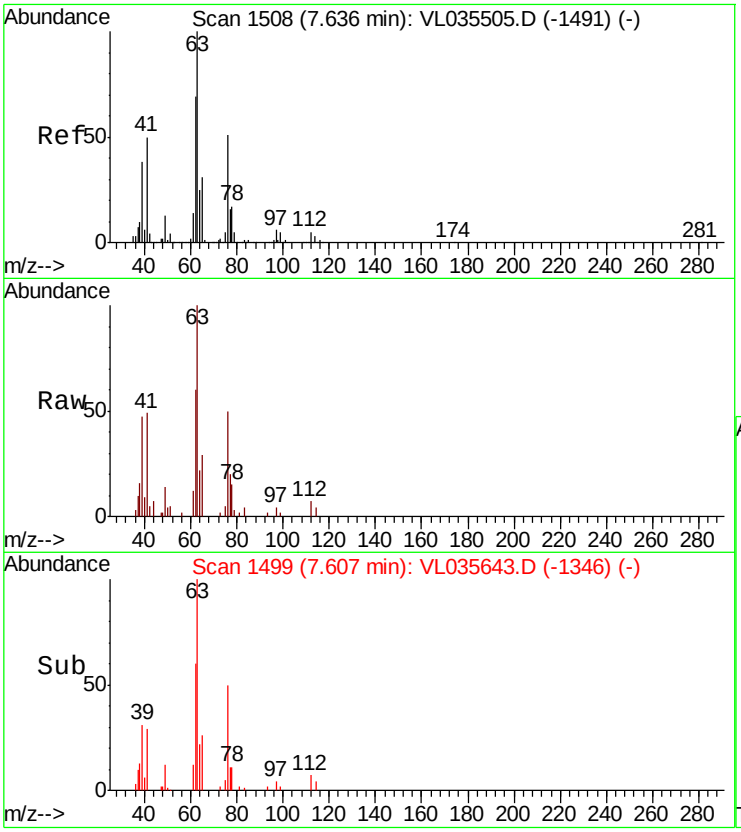


#38
Trichloroethene
Concen: 0.171 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion:130 Resp: 28057

Ion	Ratio	Lower	Upper
130	100		
95	107.2	74.6	112.0
132	91.3	77.6	116.4
97	63.2	50.6	76.0



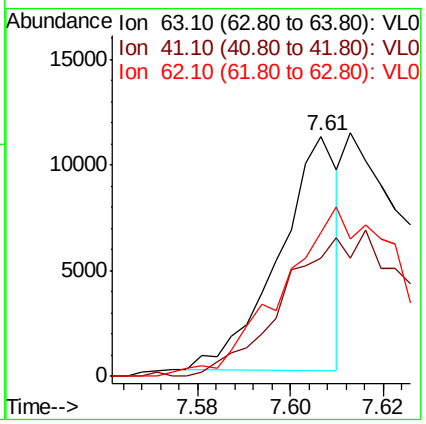


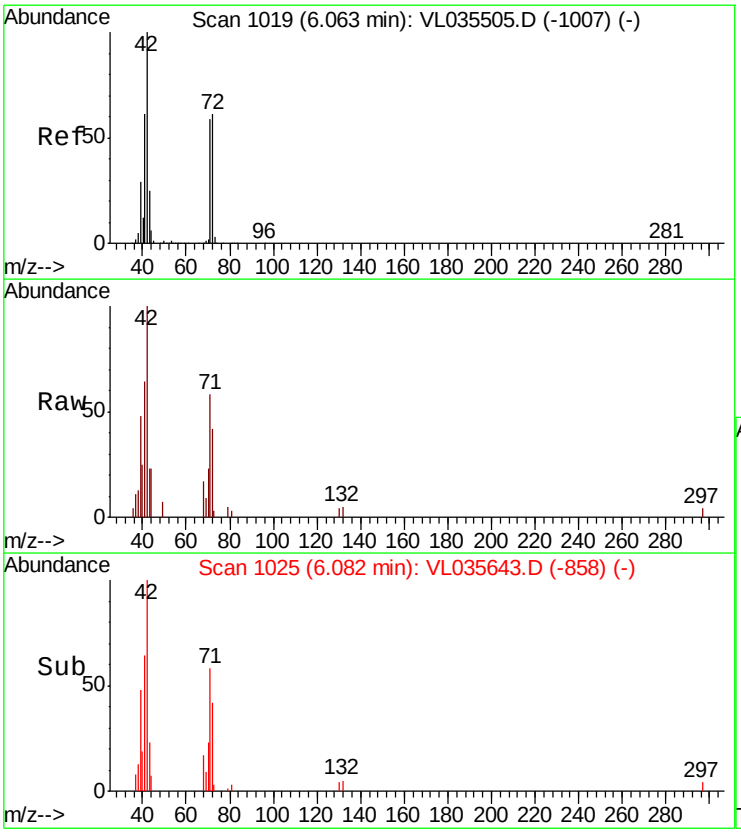
#39
1,2-Dichloropropane
Concen: 0.103 ppbv
RT: 7.61 min Scan# 1499
Delta R.T. -0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 63 Resp: 9845

Ion	Ratio	Lower	Upper
63	100		
41	50.7	40.0	60.0
62	58.3	55.4	83.0

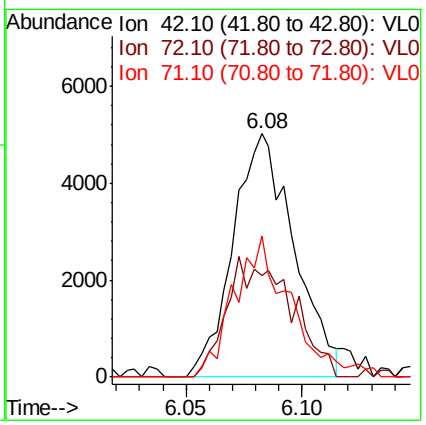


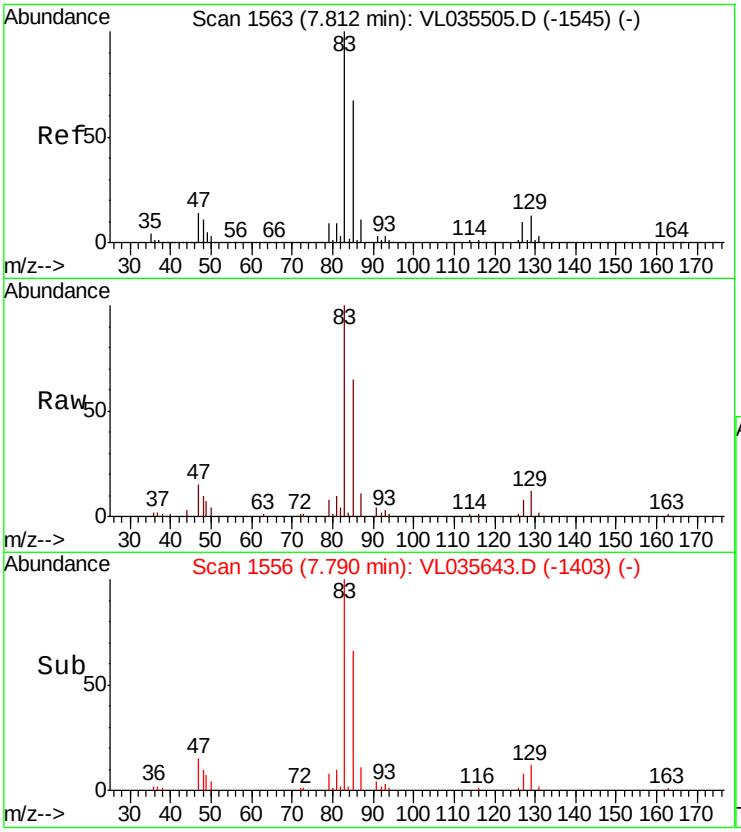


#41
Tetrahydrofuran
Concen: 0.134 ppbv
RT: 6.08 min Scan# 1025
Delta R.T. 0.04 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 42 Resp: 9186

Ion	Ratio	Lower	Upper
42	100		
72	51.8	48.6	73.0
71	53.7	46.1	69.1



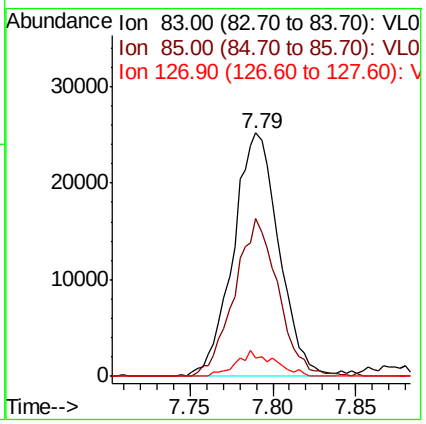


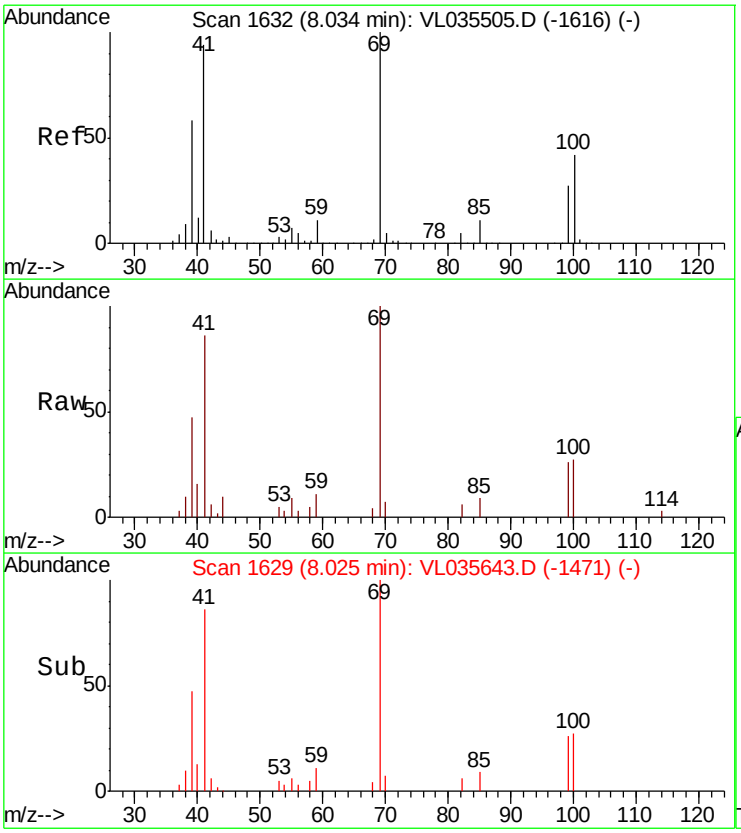
#42
Bromodichloromethane
Concen: 0.221 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 83 Resp: 48101

Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.7	80.5
127	7.5	8.1	12.1#

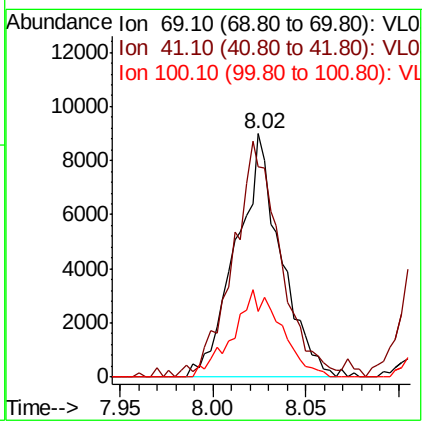


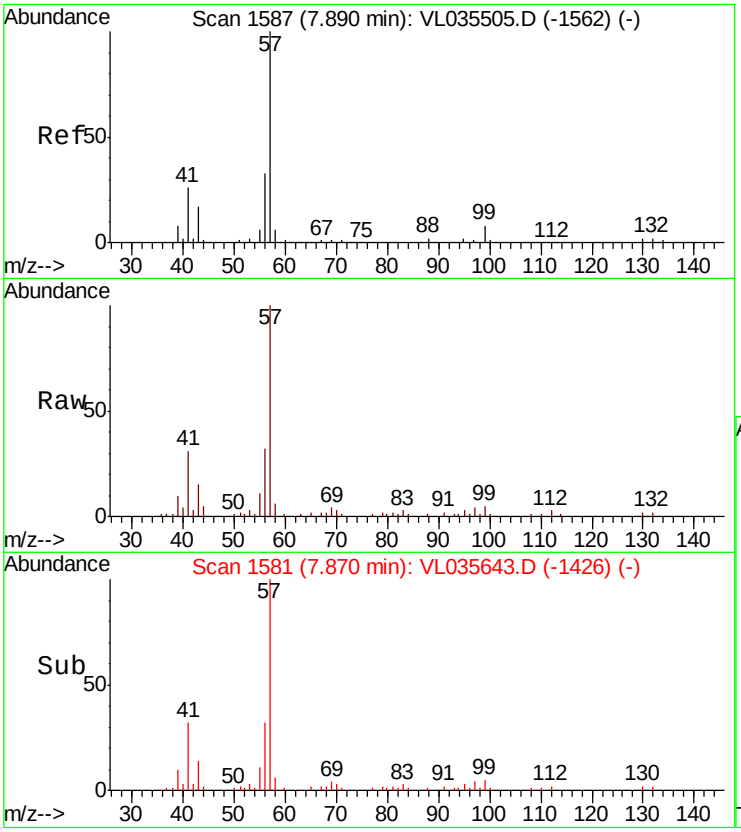


#43
Methyl Methacrylate
Concen: 0.138 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 69 Resp: 15064

Ion	Ratio	Lower	Upper
69	100		
41	103.9	76.6	114.8
100	38.6	33.8	50.6



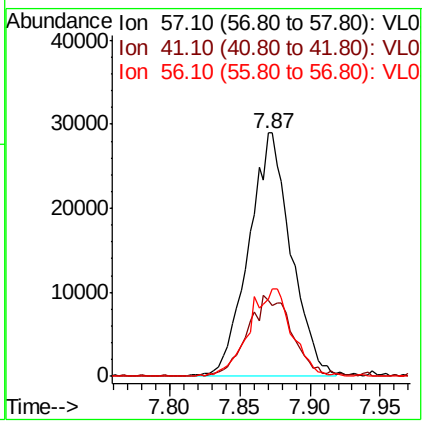


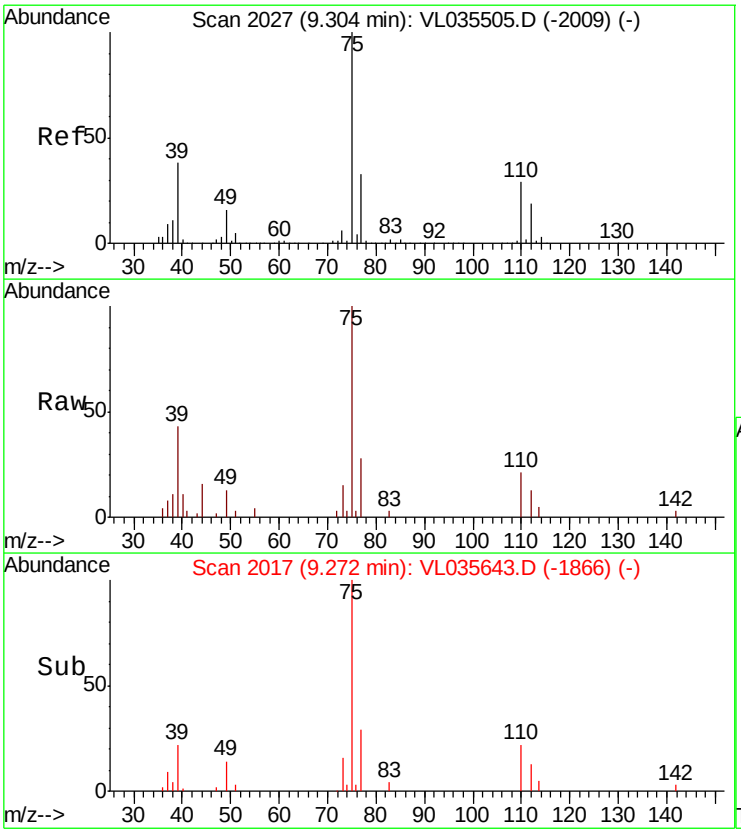
#44
2,2,4-Trimethylpentane
Concen: 0.164 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 57 Resp: 60866

Ion	Ratio	Lower	Upper
57	100		
41	35.5	20.5	30.7#
56	36.6	25.3	37.9

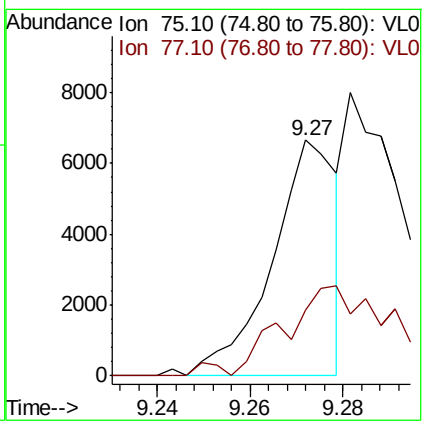


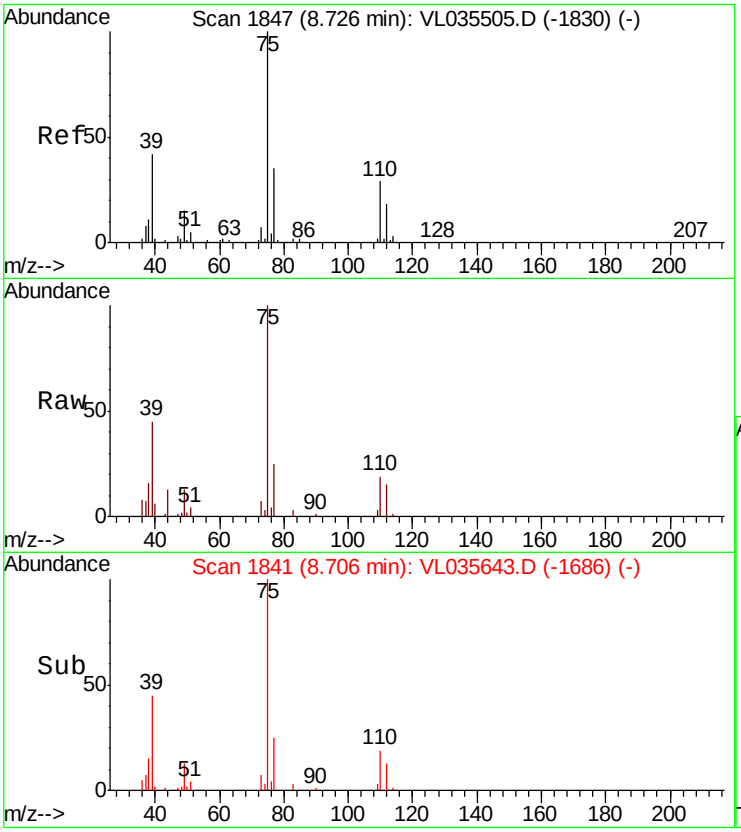


#45
t-1,3-Dichloropropene
Concen: 0.058 ppbv
RT: 9.27 min Scan# 2017
Delta R.T. -0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 75 Resp: 6401

Ion	Ratio	Lower	Upper
75	100		
77	27.8	26.5	39.7



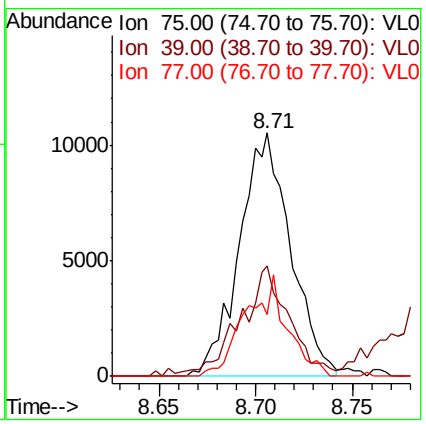


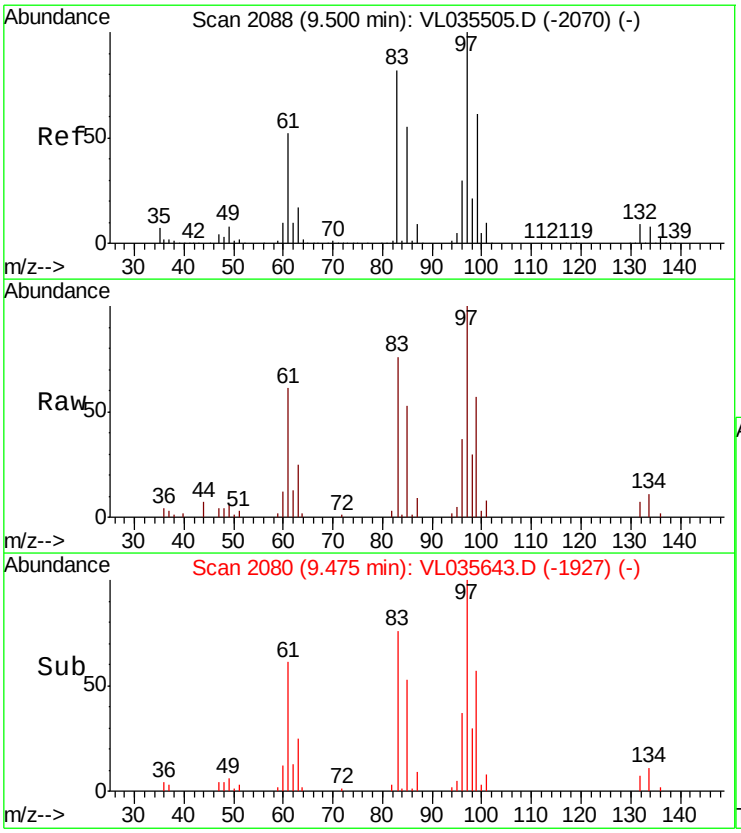
#46
cis-1,3-Dichloropropene
Concen: 0.141 ppbv
RT: 8.71 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 75 Resp: 19388

Ion	Ratio	Lower	Upper
75	100		
39	43.1	33.7	50.5
77	25.3	27.8	41.6#

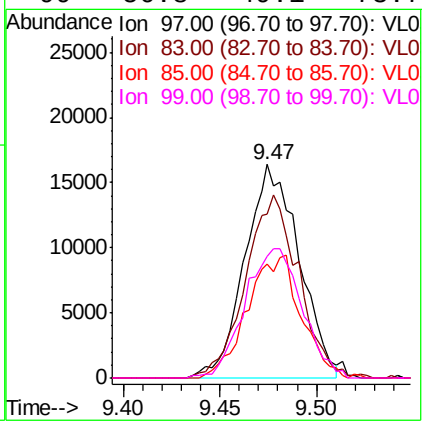


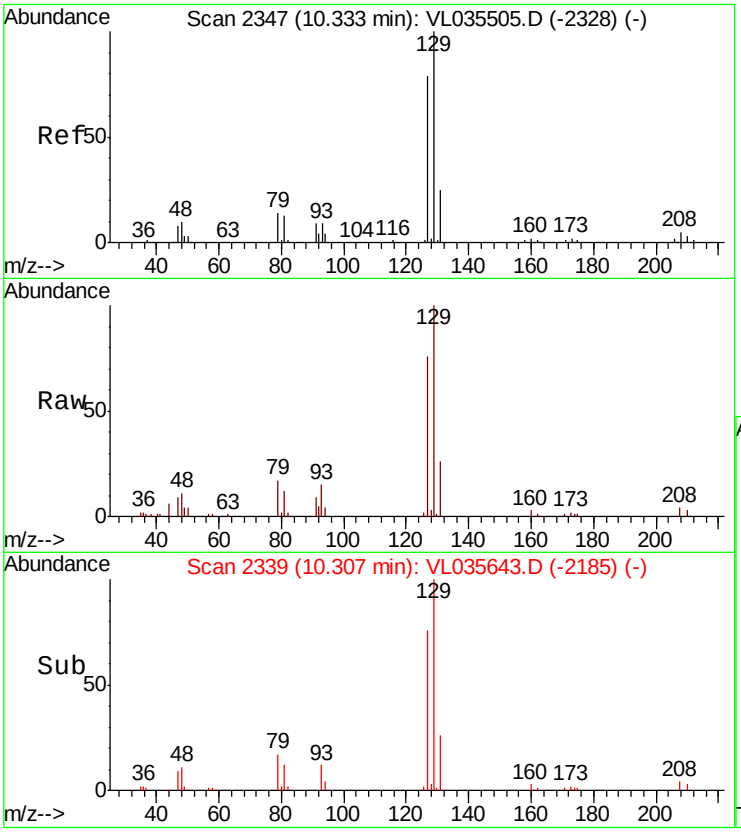


#47
1,1,2-Trichloroethane
Concen: 0.227 ppbv
RT: 9.47 min Scan# 2080
Delta R.T. -0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 97 Resp: 31899

Ion	Ratio	Lower	Upper
97	100		
83	76.5	65.4	98.2
85	53.3	43.7	65.5
99	56.8	49.1	73.7



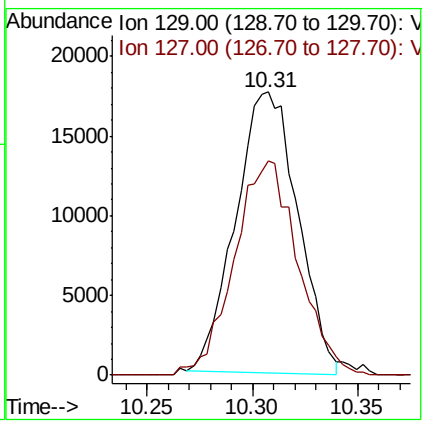


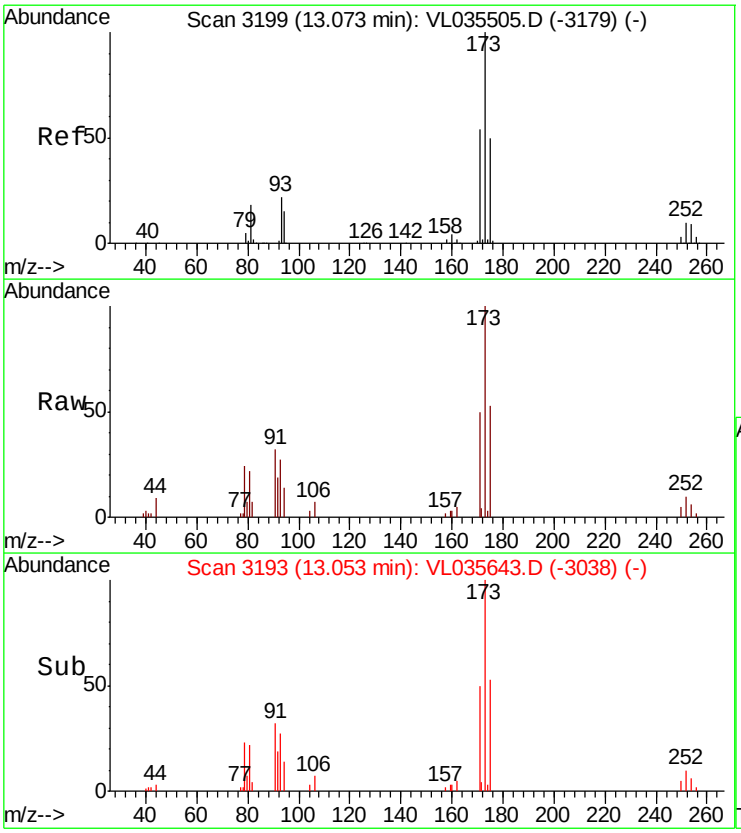
#48
Dibromochloromethane
Concen: 0.163 ppbv
RT: 10.31 min Scan# 2339
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion:129 Resp: 36148

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.3	117.8

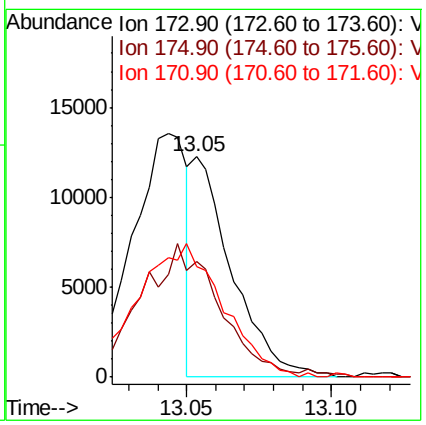


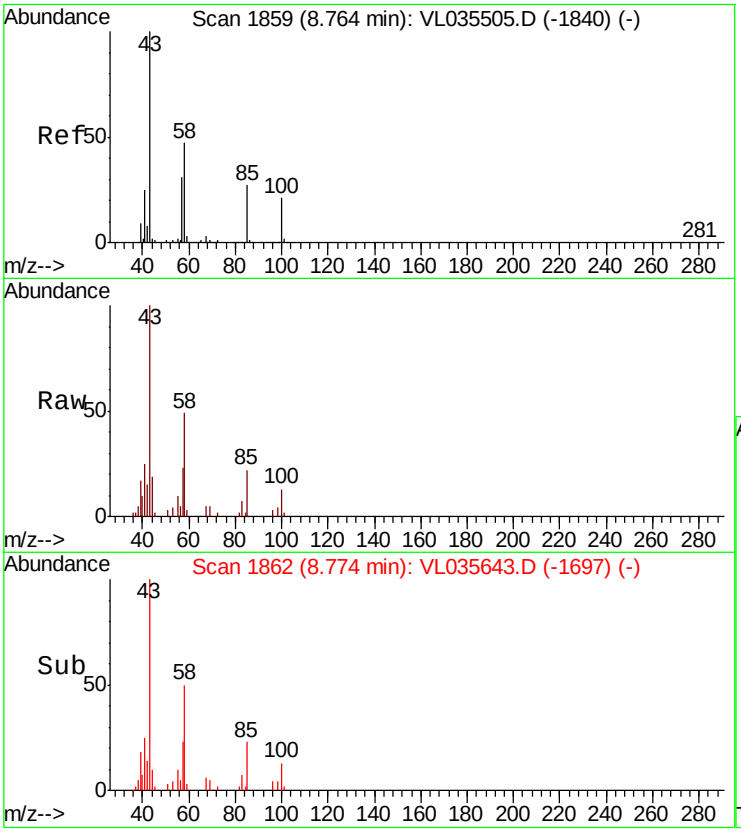


#49
Bromoform
Concen: 0.058 ppbv
RT: 13.05 min Scan# 3193
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion:173 Resp: 11656

Ion	Ratio	Lower	Upper
173	100		
175	124.5	39.8	59.8#
171	133.9	42.4	63.6#



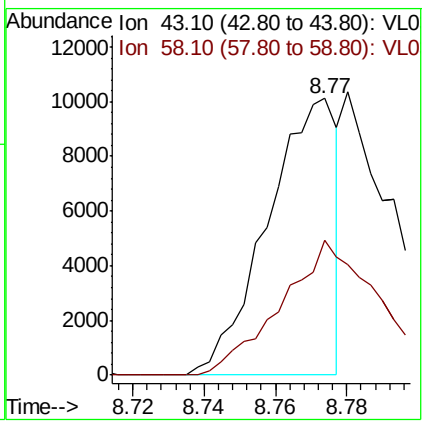


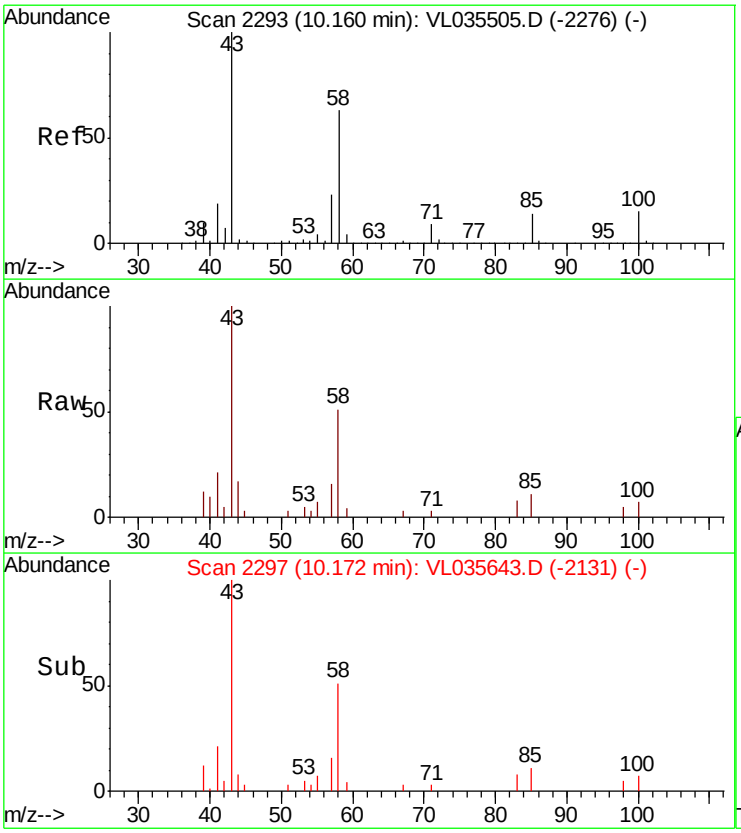
#50
4-Methyl-2-Pentanone
Concen: 0.073 ppbv
RT: 8.77 min Scan# 1862
Delta R.T. 0.03 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 43 Resp: 13598

Ion	Ratio	Lower	Upper
43	100		
58	73.5	37.4	56.0#

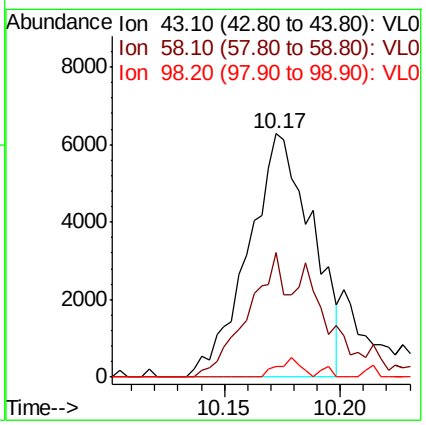


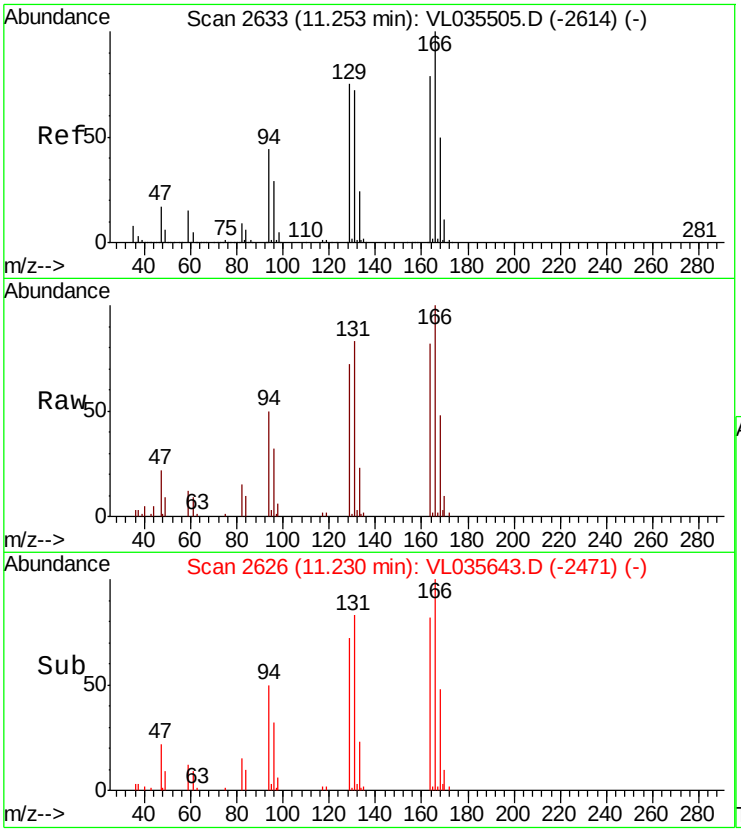


#51
2-Hexanone
Concen: 0.078 ppbv
RT: 10.17 min Scan# 2297
Delta R.T. 0.04 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 43 Resp: 12041

Ion	Ratio	Lower	Upper
43	100		
58	59.0	50.2	75.4
98	4.3	0.4	0.6#



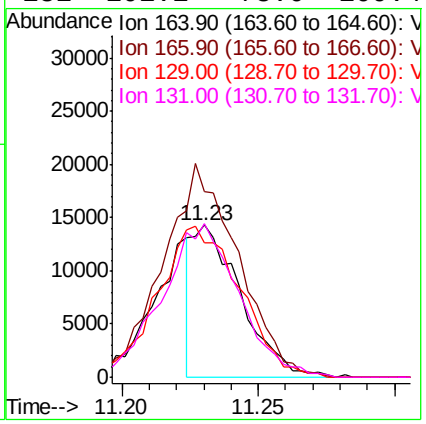


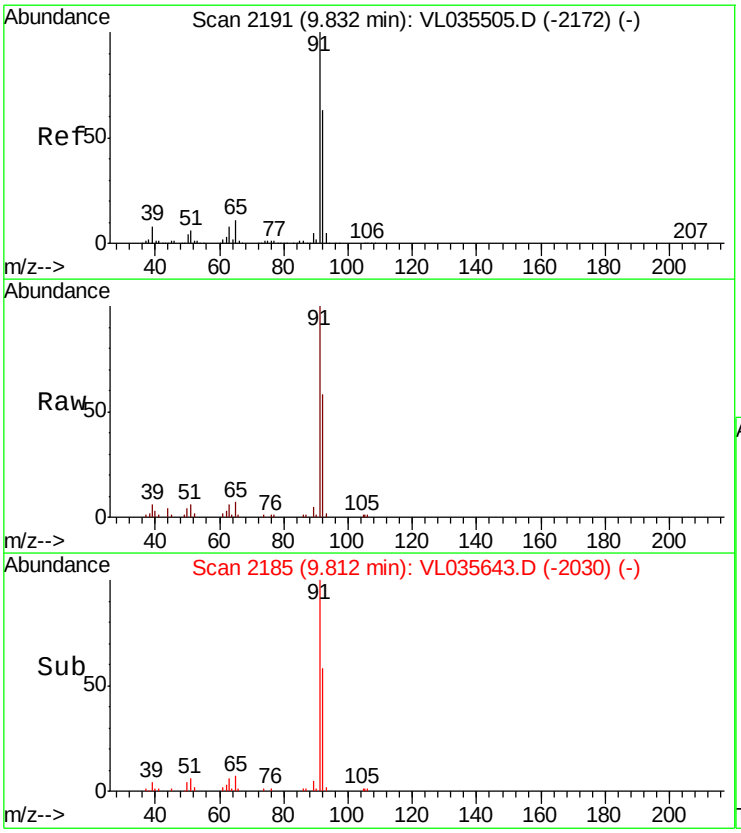
#52
Tetrachloroethene
Concen: 0.105 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion:164 Resp: 17354

Ion	Ratio	Lower	Upper
164	100		
166	122.0	100.9	151.3
129	88.4	75.3	112.9
131	101.1	73.0	109.4

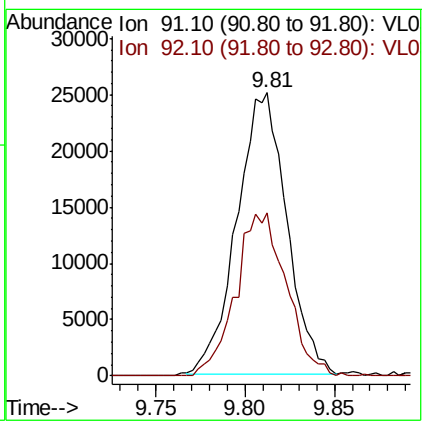


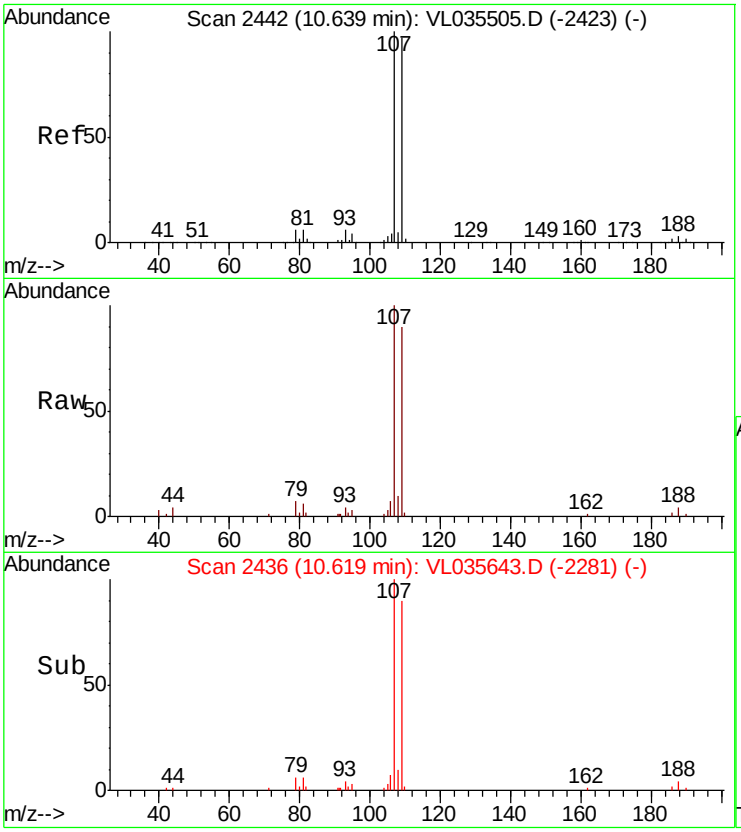


#53
Toluene
Concen: 0.137 ppbv
RT: 9.81 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 91 Resp: 48758

Ion	Ratio	Lower	Upper
91	100		
92	58.8	49.8	74.8



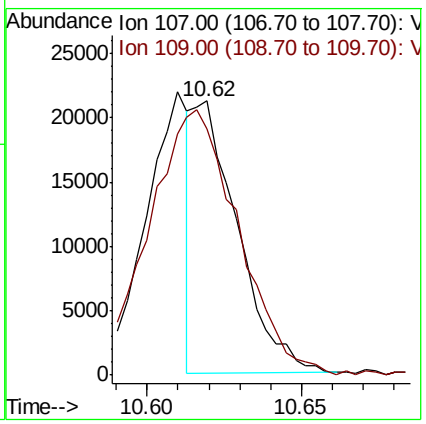


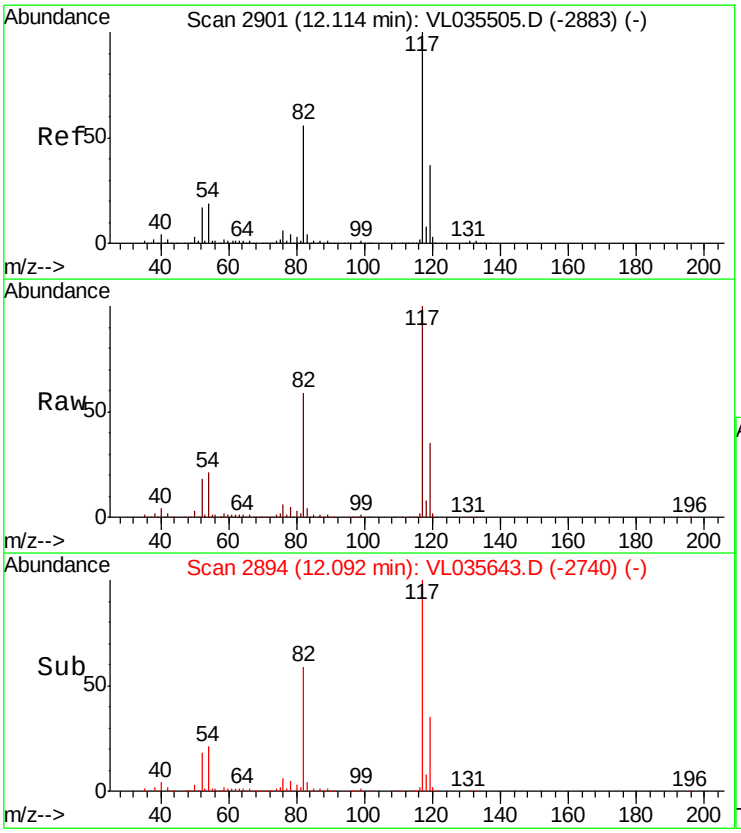
#54
1,2-Dibromoethane
Concen: 0.094 ppbv
RT: 10.62 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion:107 Resp: 21007

Ion	Ratio	Lower	Upper
107	100		
109	91.2	77.8	116.8

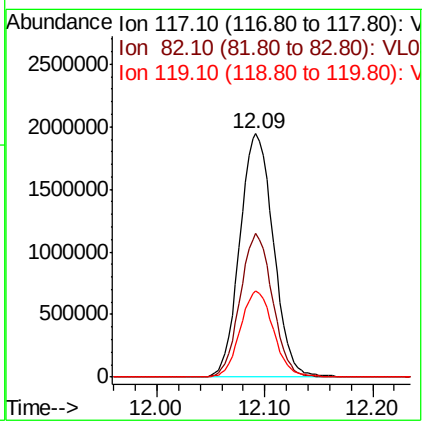


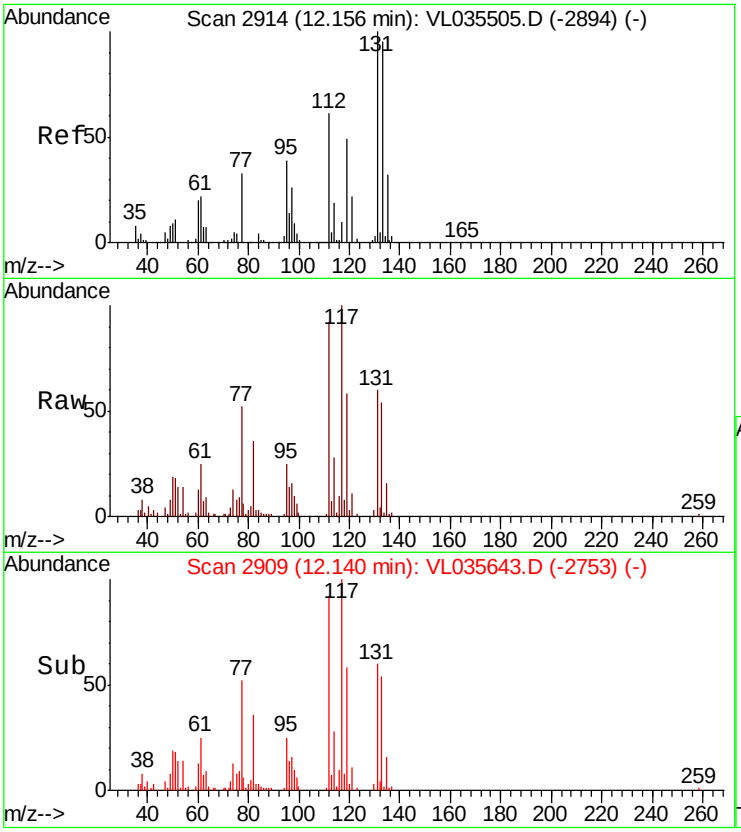


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion:117 Resp: 4220480

Ion	Ratio	Lower	Upper
117	100		
82	57.0	41.6	62.4
119	34.9	29.3	43.9



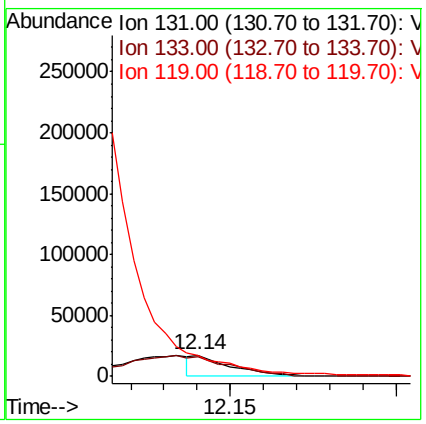


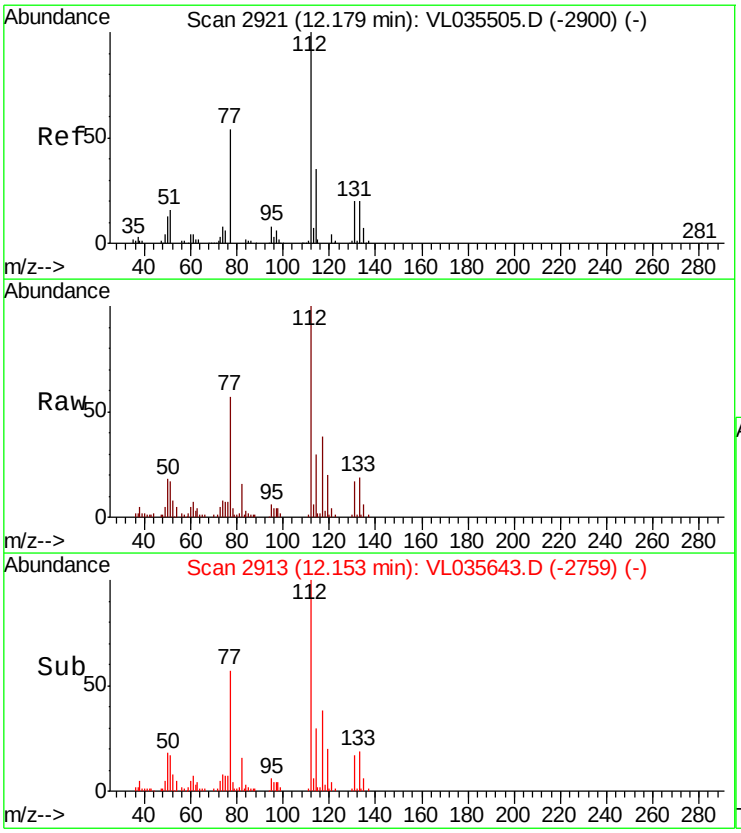
#56
1,1,1,2-Tetrachloroethane
Concen: 0.083 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion:131 Resp: 14212

Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.6	115.0#
119	0.0	51.6	77.4#

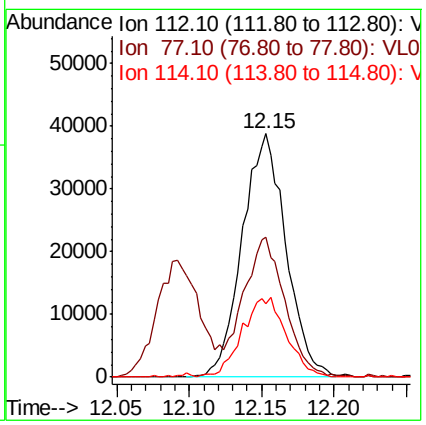


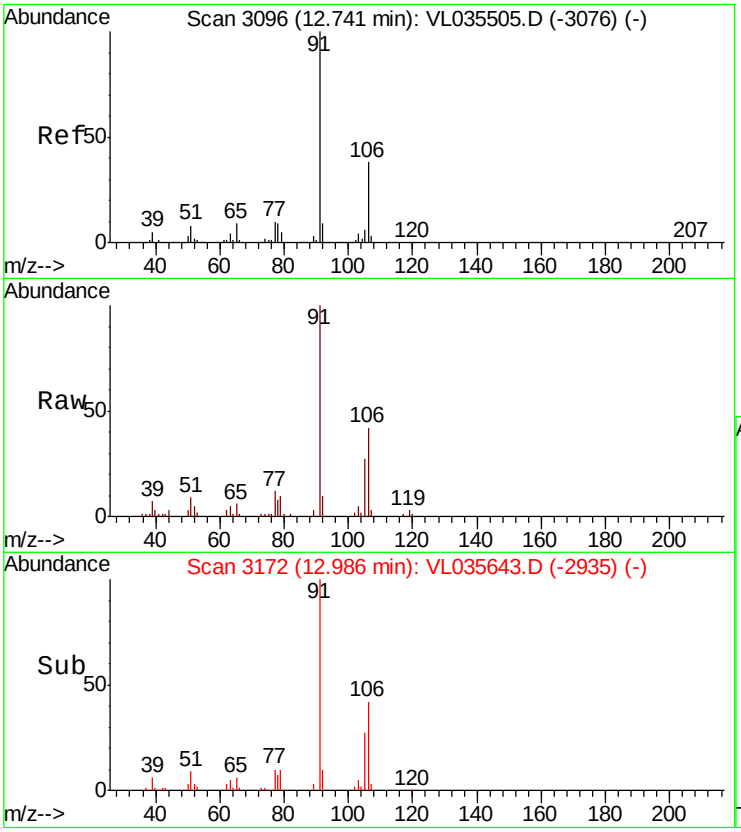


#57
Chlorobenzene
Concen: 0.262 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion:112 Resp: 81363

Ion	Ratio	Lower	Upper
112	100		
77	56.5	44.2	66.4
114	30.3	31.6	38.6#



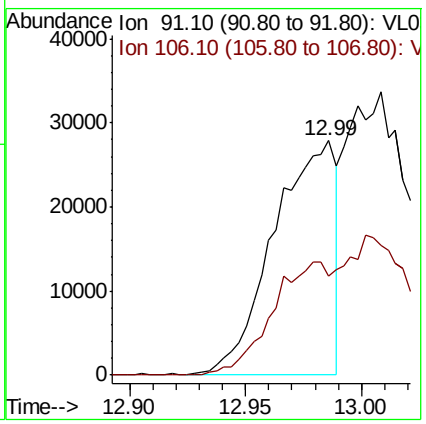


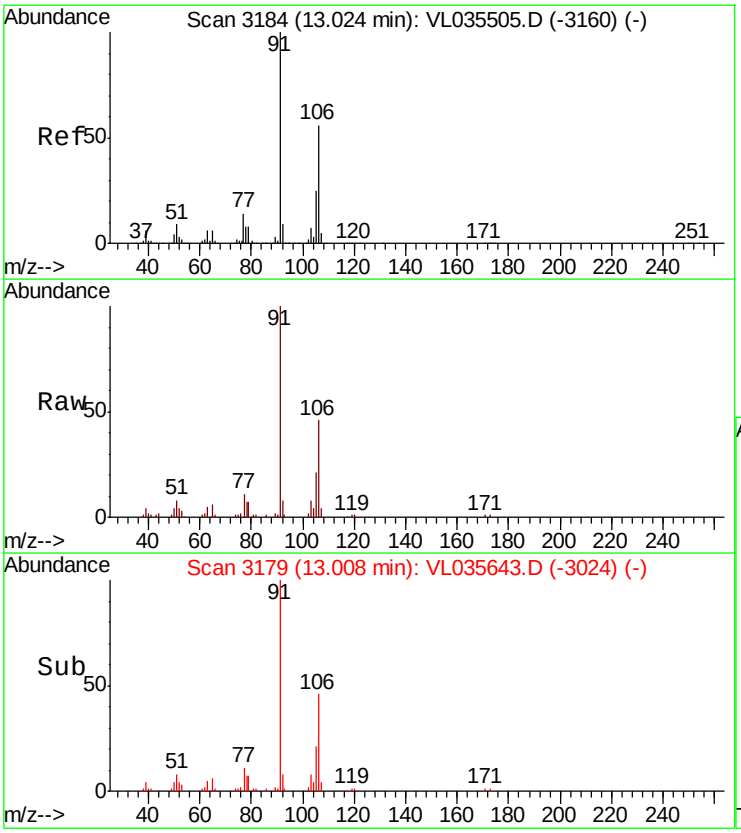
#58
Ethyl Benzene
Concen: 0.119 ppbv
RT: 12.99 min Scan# 3172
Delta R.T. 0.26 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 91 Resp: 51832

Ion	Ratio	Lower	Upper
91	100		
106	42.4	30.3	45.5

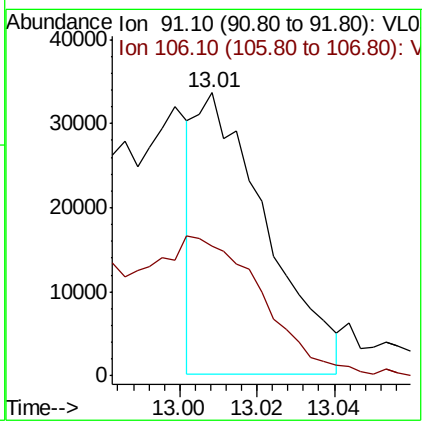


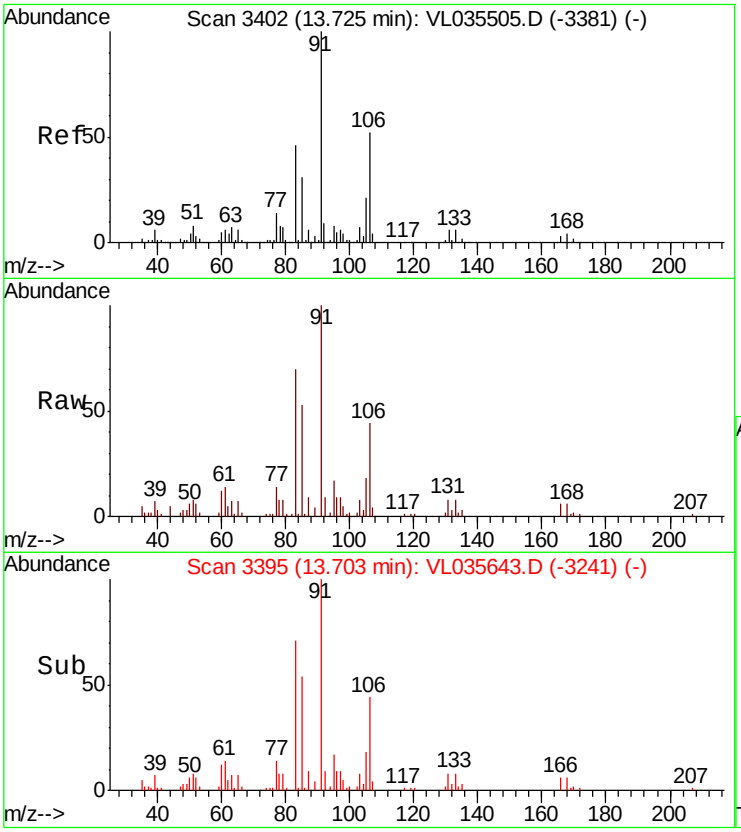


#59
m/p-Xylene
Concen: 0.116 ppbv
RT: 13.01 min Scan# 3179
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 91 Resp: 42182

Ion	Ratio	Lower	Upper
91	100		
106	0.0	43.4	65.2#



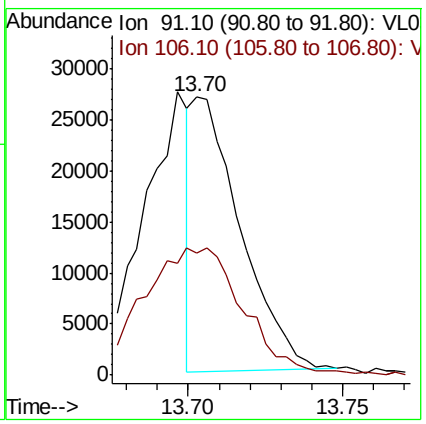


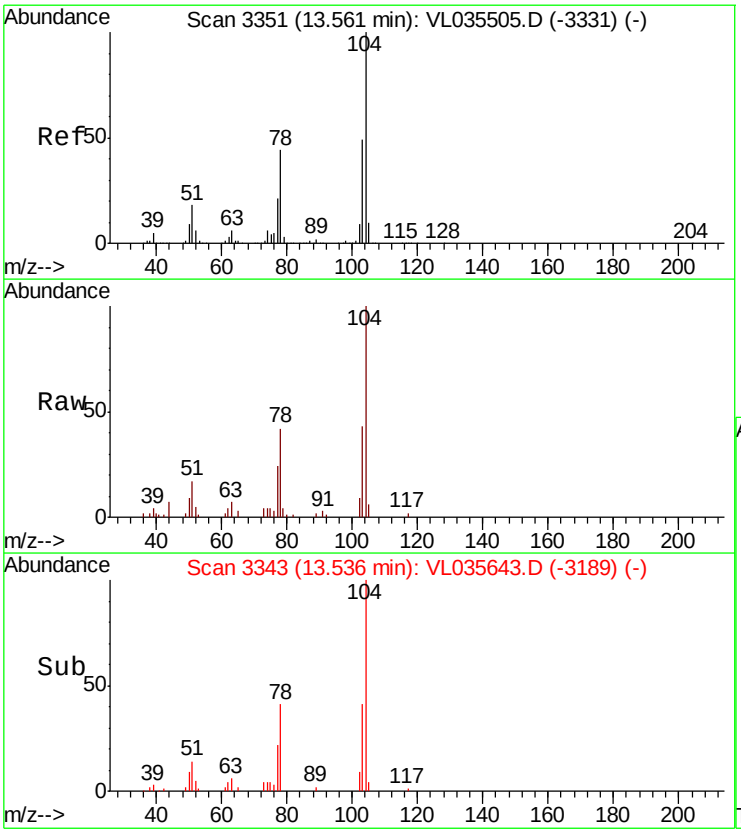
#60
o-Xylene
Concen: 0.079 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 91 Resp: 28792

Ion	Ratio	Lower	Upper
91	100		
106	99.5	25.8	77.4#

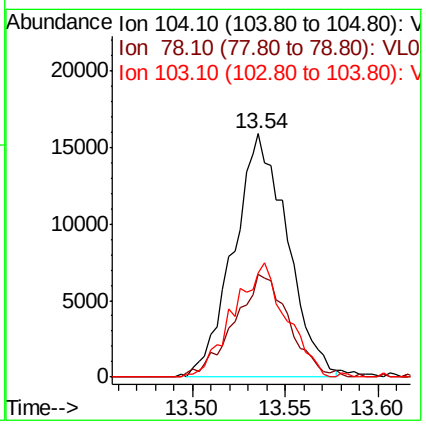


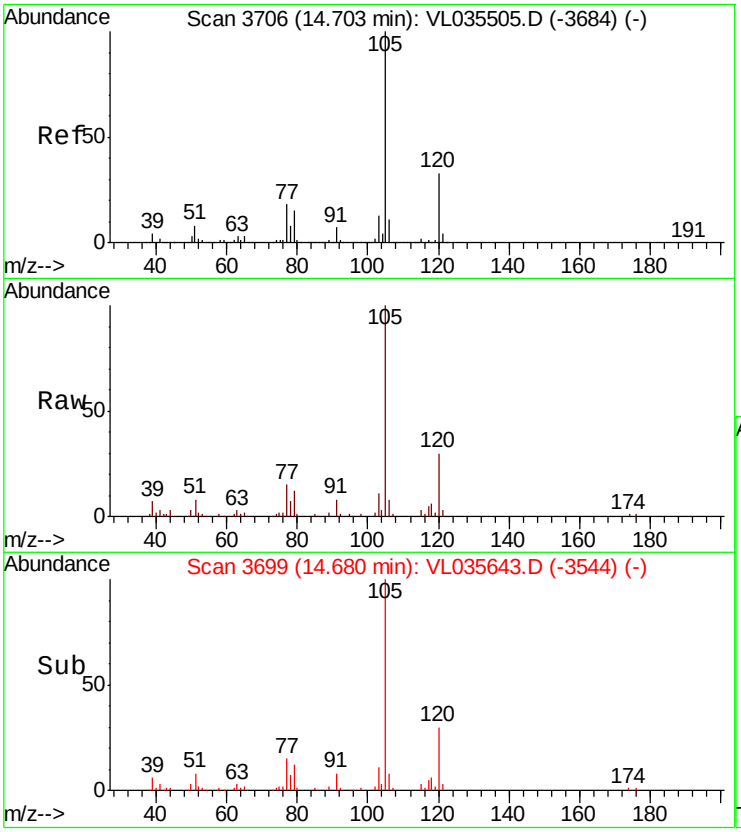


#61
Styrene
Concen: 0.114 ppbv
RT: 13.54 min Scan# 3343
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion:104 Resp: 32065

Ion	Ratio	Lower	Upper
104	100		
78	43.3	34.8	52.2
103	46.2	38.2	57.4



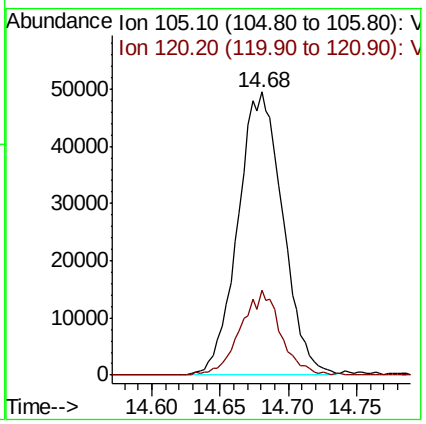


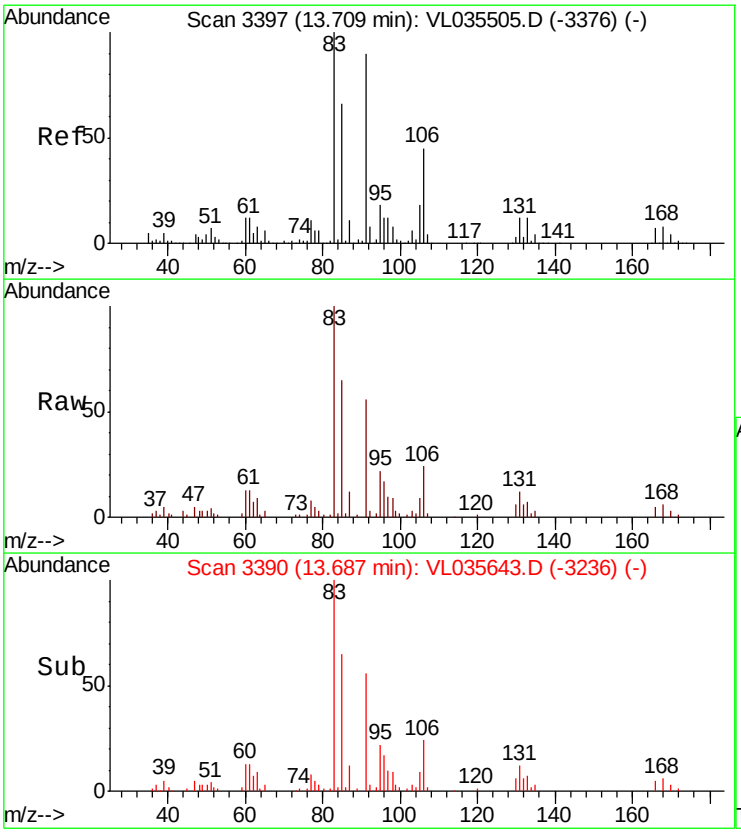
#62
Isopropylbenzene
Concen: 0.192 ppbv
RT: 14.68 min Scan# 3699
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion:105 Resp: 113216

Ion	Ratio	Lower	Upper
105	100		
120	26.7	25.0	37.4

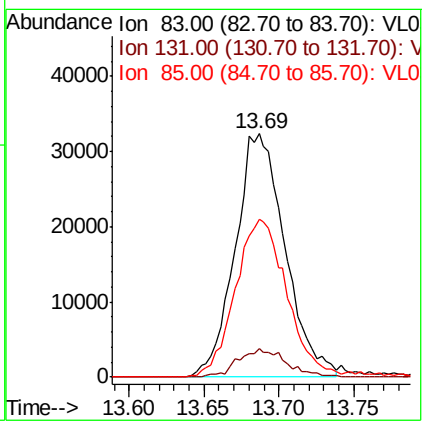


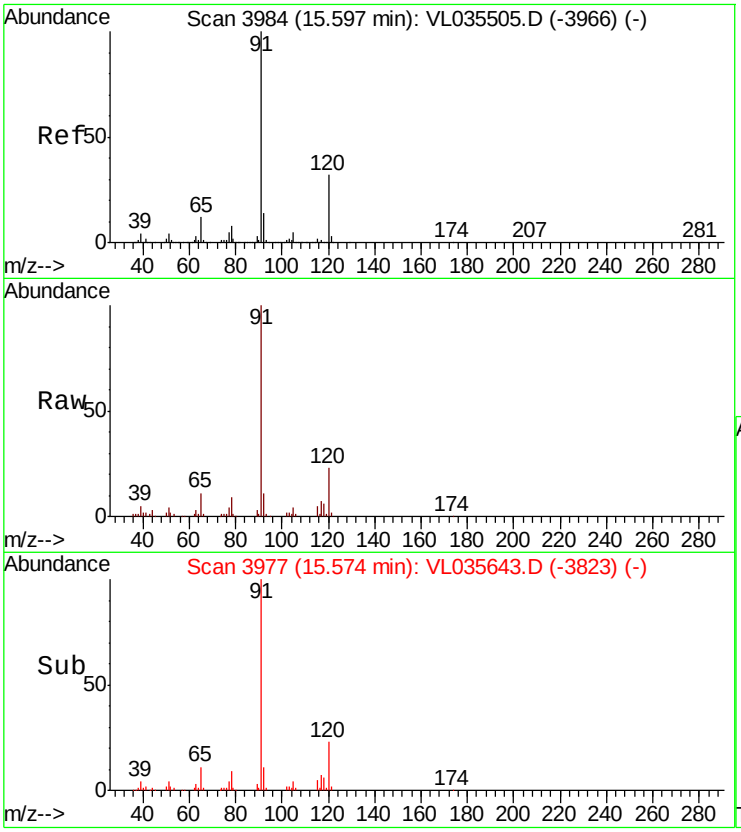


#63
1,1,2,2-Tetrachloroethane
Concen: 0.264 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 83 Resp: 75021

Ion	Ratio	Lower	Upper
83	100		
131	11.3	6.0	18.0
85	68.7	33.4	100.2



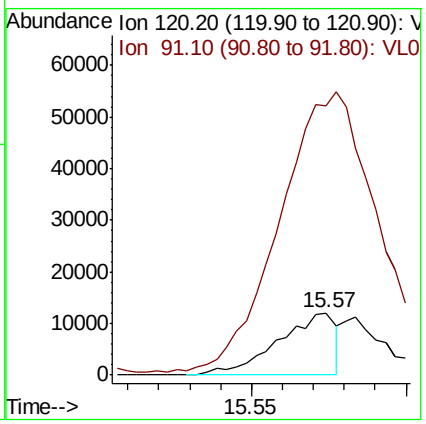


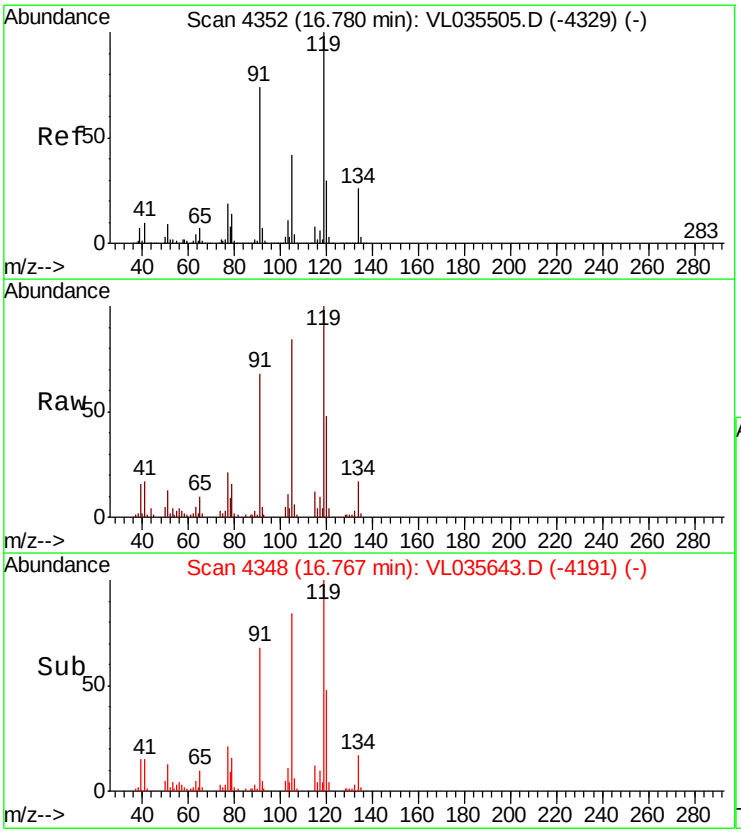
#64
n-propylbenzene
Concen: 0.087 ppbv
RT: 15.57 min Scan# 3977
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion:120 Resp: 15698

Ion	Ratio	Lower	Upper
120	100		
91	794.9	279.4	419.0#

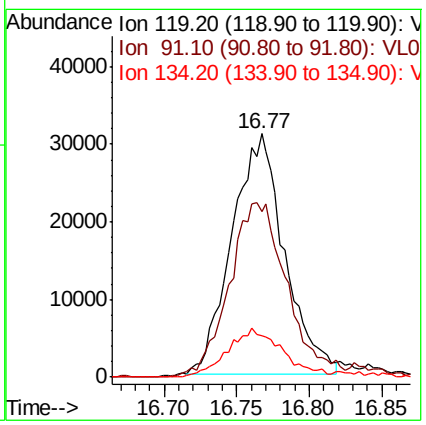


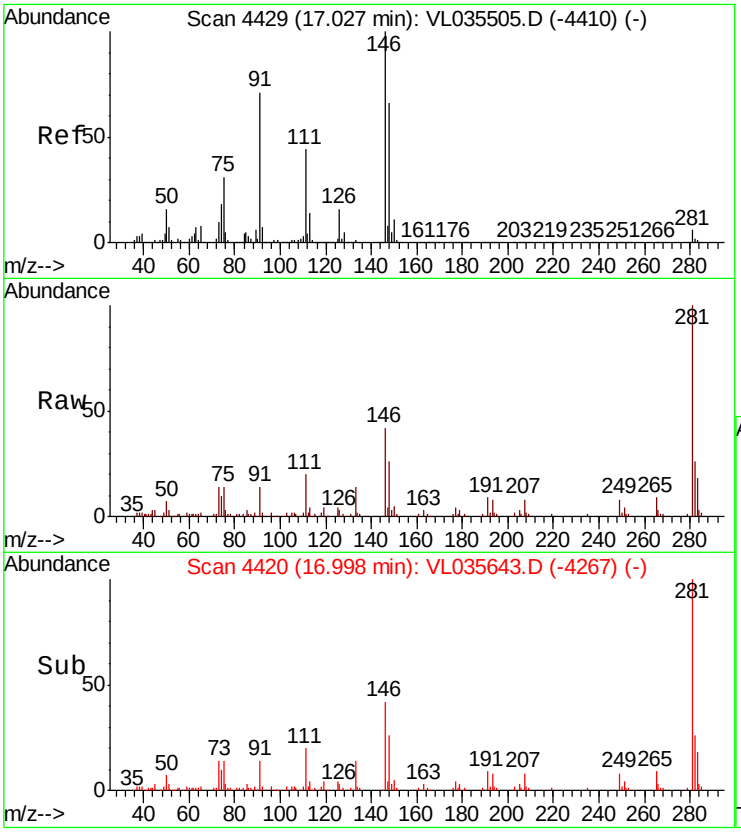


#65
tert-Butylbenzene
Concen: 0.143 ppbv
RT: 16.77 min Scan# 4348
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion:119 Resp: 78062

Ion	Ratio	Lower	Upper
119	100		
91	83.4	58.6	87.8
134	21.7	18.9	28.3



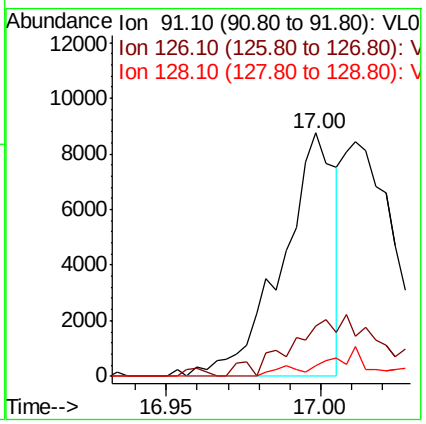


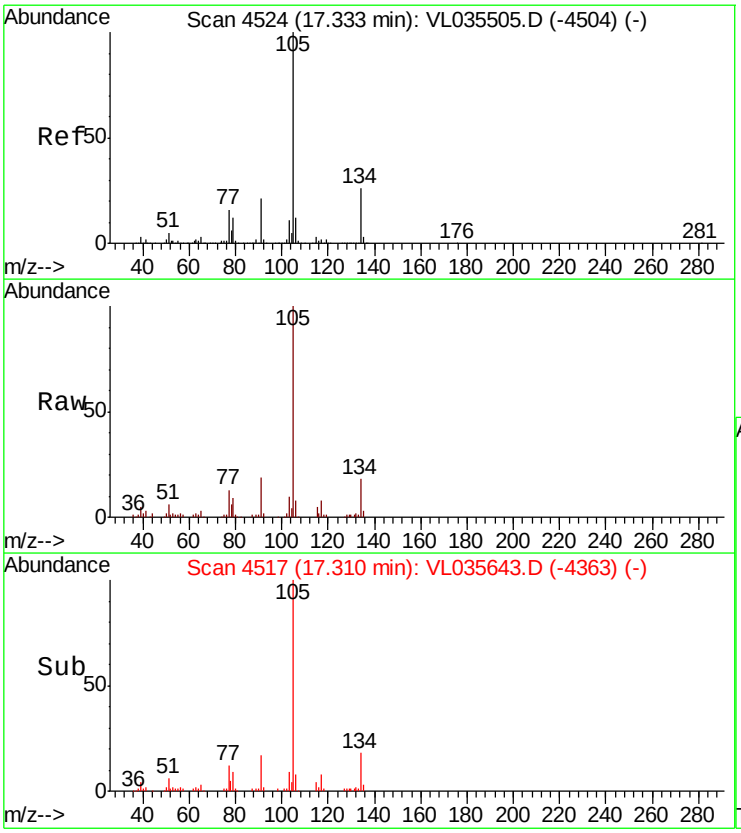
#66
Benzyl Chloride
Concen: 0.077 ppbv
RT: 17.00 min Scan# 4420
Delta R.T. -0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 91 Resp: 10429

Ion	Ratio	Lower	Upper
91	100		
126	0.0	17.2	25.8#
128	0.0	5.5	8.3#

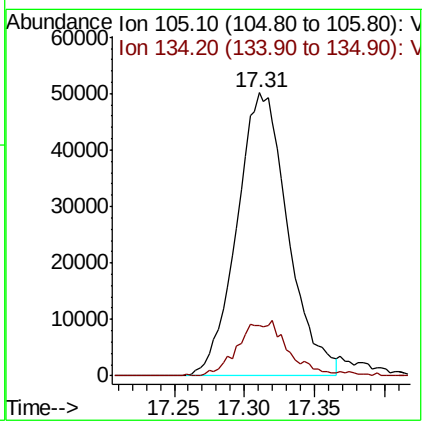


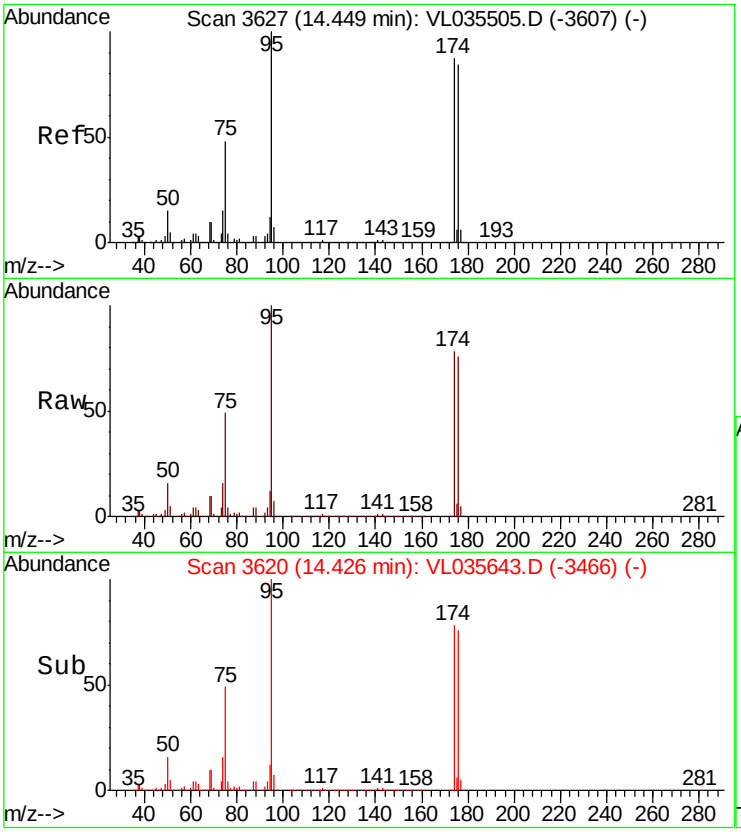


#67
sec-Butylbenzene
Concen: 0.175 ppbv
RT: 17.31 min Scan# 4517
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion:105 Resp: 127346

Ion	Ratio	Lower	Upper
105	100		
134	19.2	19.1	28.7



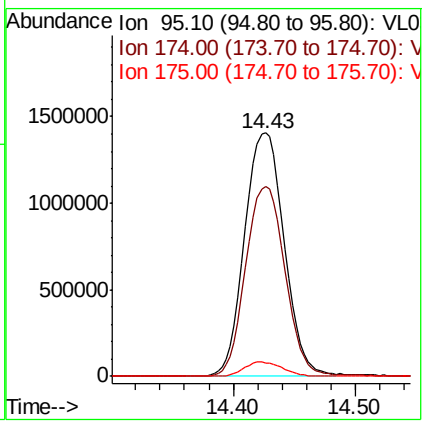


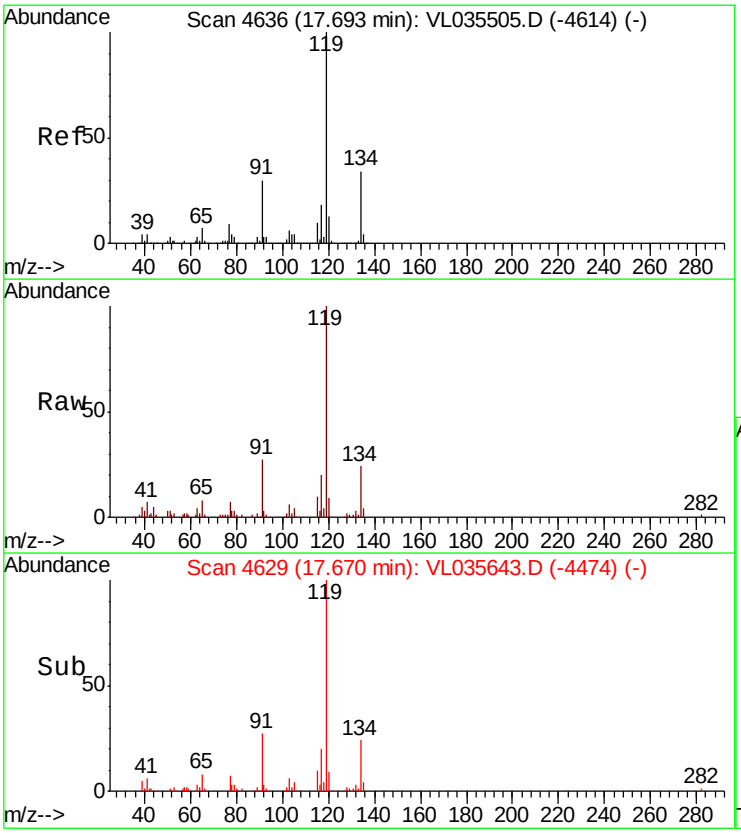
#68
1-Bromo-4-Fluorobenzene
Concen: 10.538 ppbv
RT: 14.43 min Scan# 3620
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 95 Resp: 3158456

Ion	Ratio	Lower	Upper
95	100		
174	78.8	69.6	104.4
175	5.6	5.1	7.7

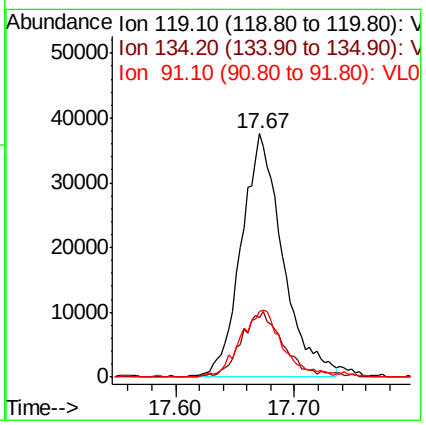


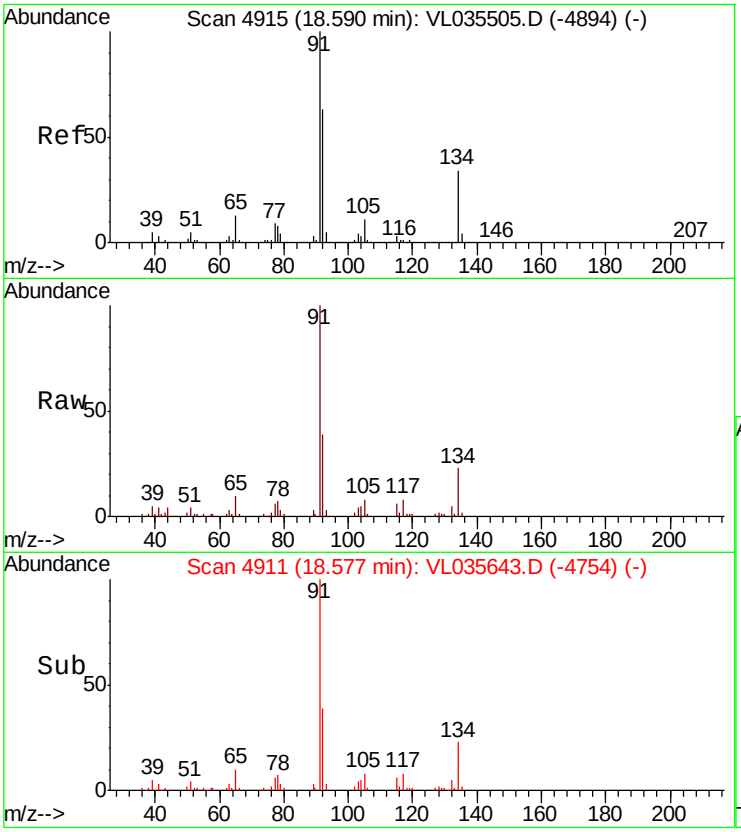


#69
p-Isopropyltoluene
Concen: 0.142 ppbv
RT: 17.67 min Scan# 4629
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion:119 Resp: 90456

Ion	Ratio	Lower	Upper
119	100		
134	27.9	25.0	37.4
91	29.0	22.3	33.5



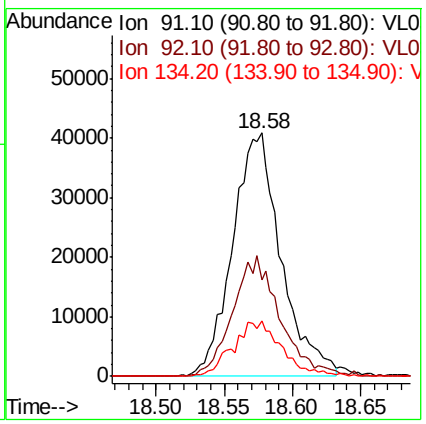


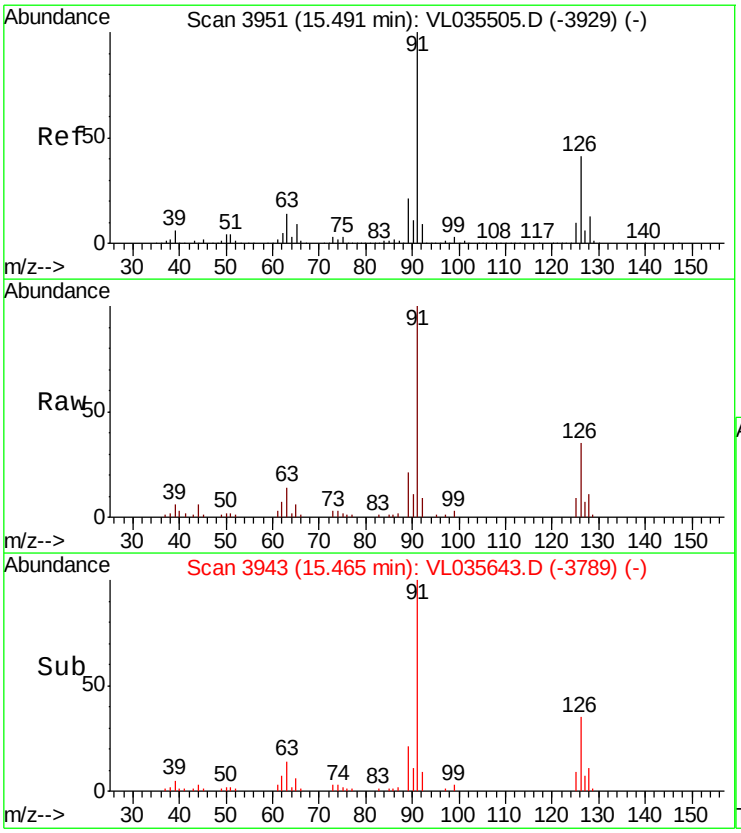
#70
n-Butylbenzene
Concen: 0.164 ppbv
RT: 18.58 min Scan# 4911
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion: 91 Resp: 100873

Ion	Ratio	Lower	Upper
91	100		
92	48.7	47.3	70.9
134	22.8	24.6	37.0#

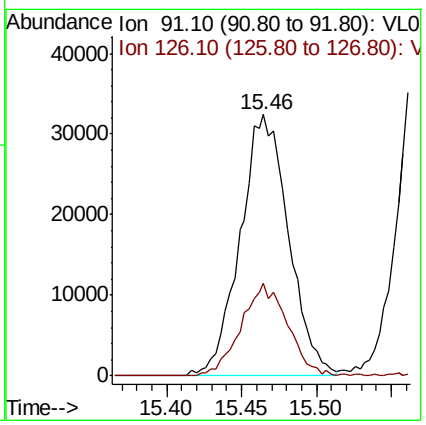


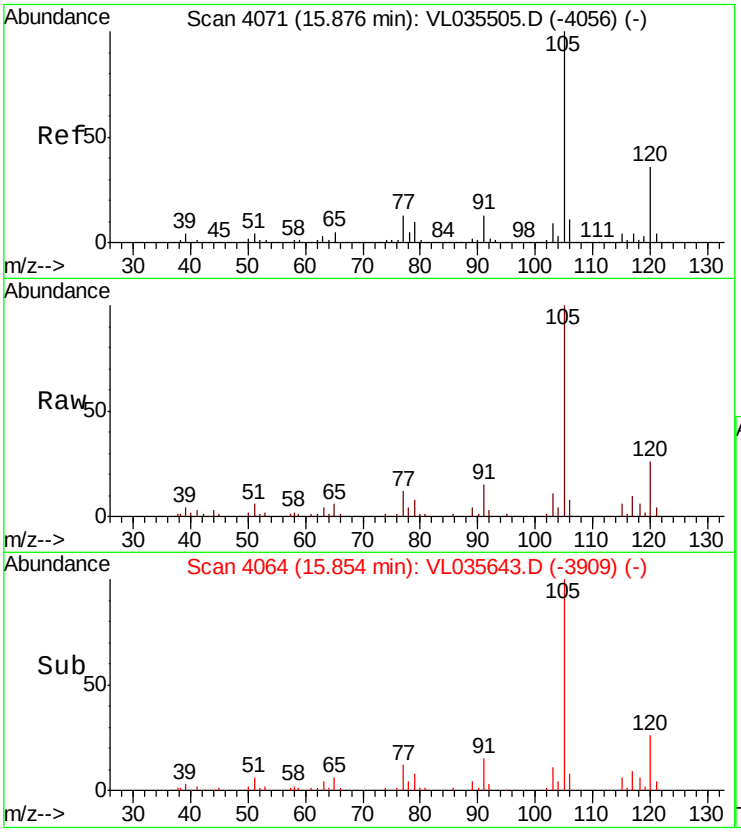


#71
2-Chlorotoluene
Concen: 0.170 ppbv
RT: 15.46 min Scan# 3943
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion: 91 Resp: 72970

Ion	Ratio	Lower	Upper
91	100		
126	34.0	15.6	62.6



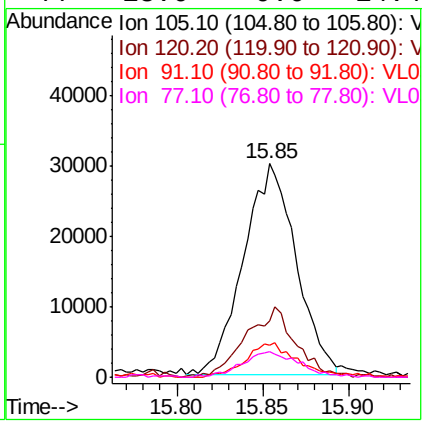


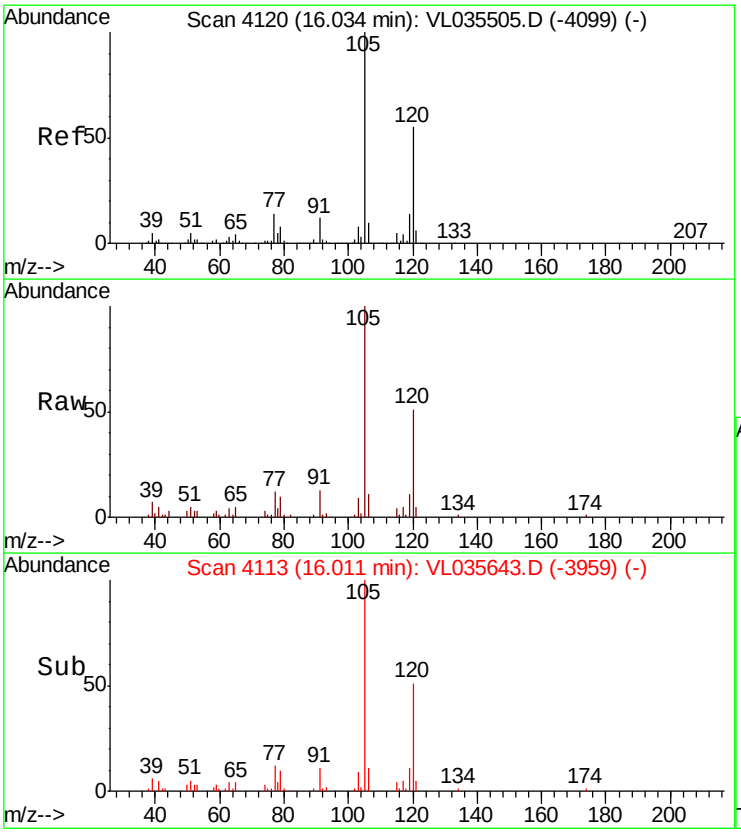
#72
4-Ethyltoluene
Concen: 0.136 ppbv
RT: 15.85 min Scan# 4064
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion:105 Resp: 63461

Ion	Ratio	Lower	Upper
105	100		
120	32.2	27.4	41.2
91	16.8	9.7	14.5#
77	13.6	9.6	14.4

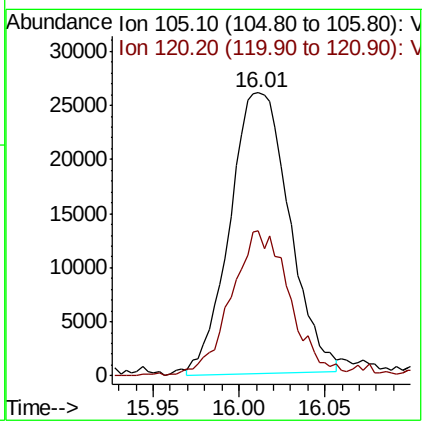


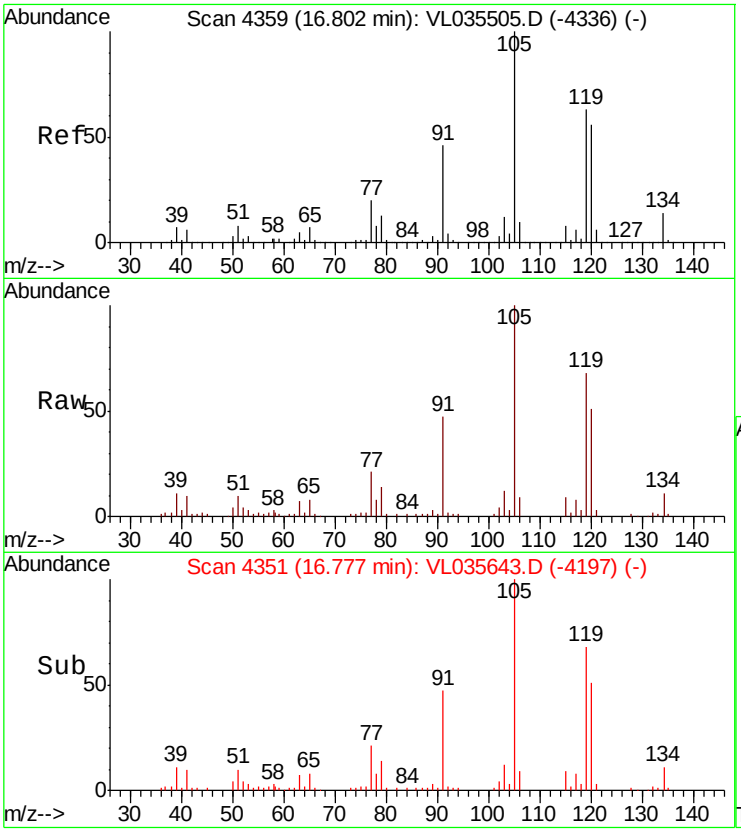


#73
1,3,5-Trimethylbenzene
Concen: 0.145 ppbv
RT: 16.01 min Scan# 4113
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion:105 Resp: 62602

Ion	Ratio	Lower	Upper
105	100		
120	50.1	44.2	66.2



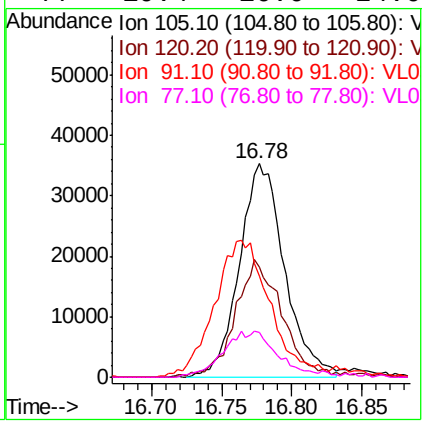


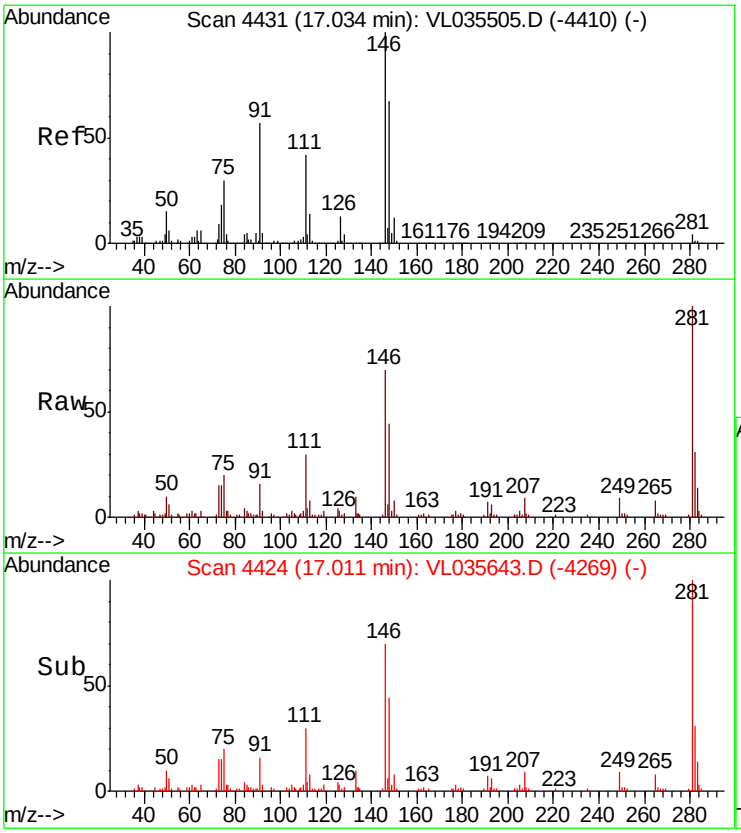
#74
1,2,4-Trimethylbenzene
Concen: 0.167 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion:105 Resp: 79126

Ion	Ratio	Lower	Upper
105	100		
120	50.5	44.4	66.6
91	42.0	37.1	55.7
77	19.4	16.0	24.0

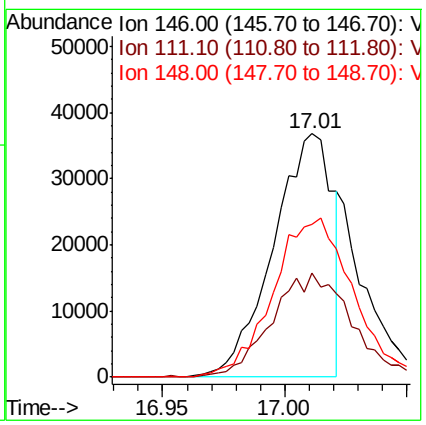


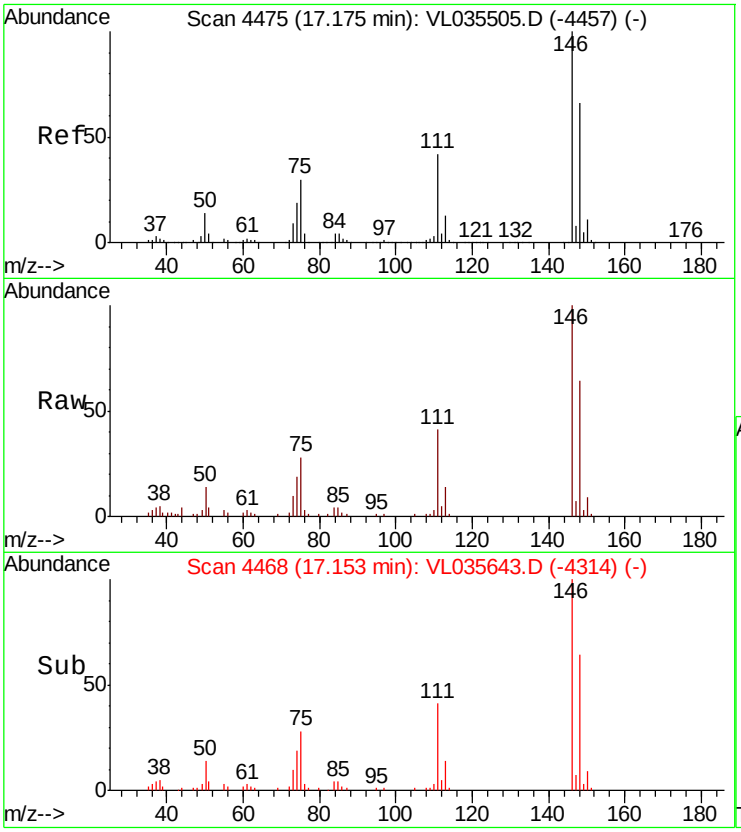


#75
1,3-Dichlorobenzene
Concen: 0.177 ppbv
RT: 17.01 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion:146 Resp: 61928

Ion	Ratio	Lower	Upper
146	100		
111	58.5	20.7	62.1
148	89.6	33.0	98.9



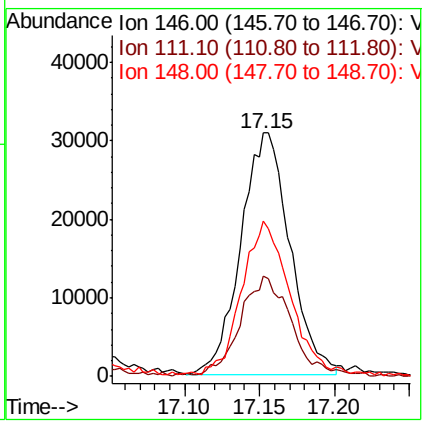


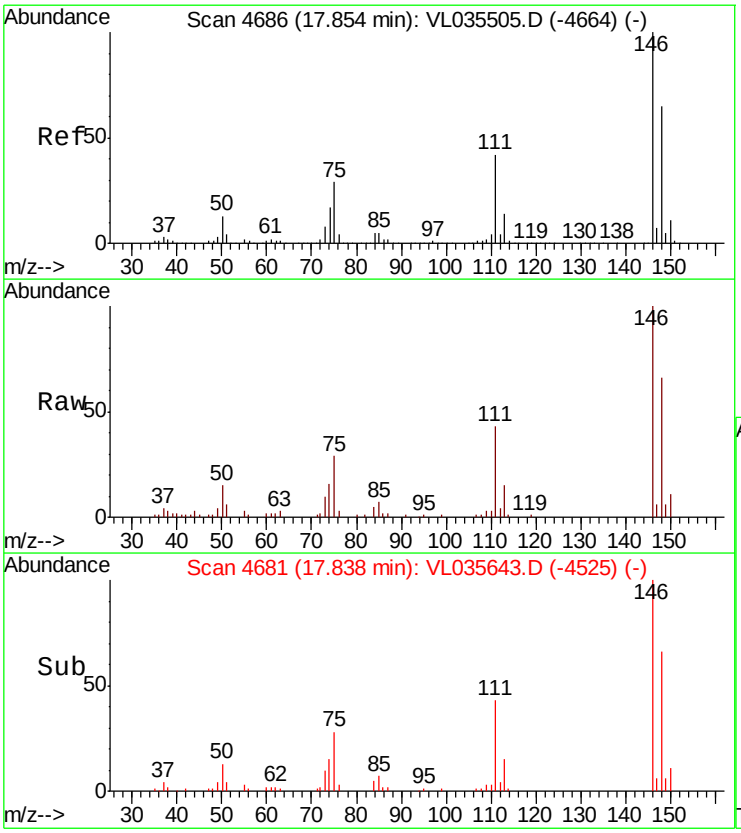
#76
1,4-Dichlorobenzene
Concen: 0.204 ppbv
RT: 17.15 min Scan# 4468
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion:146 Resp: 70374

Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.0	60.0
148	65.3	33.2	99.6

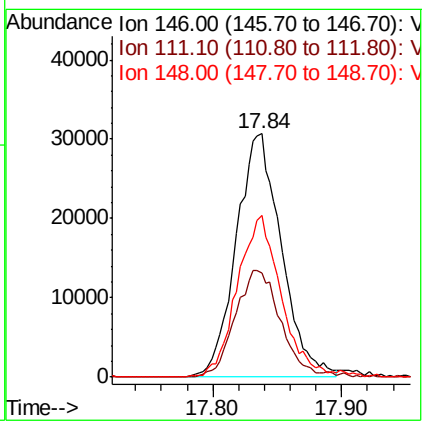


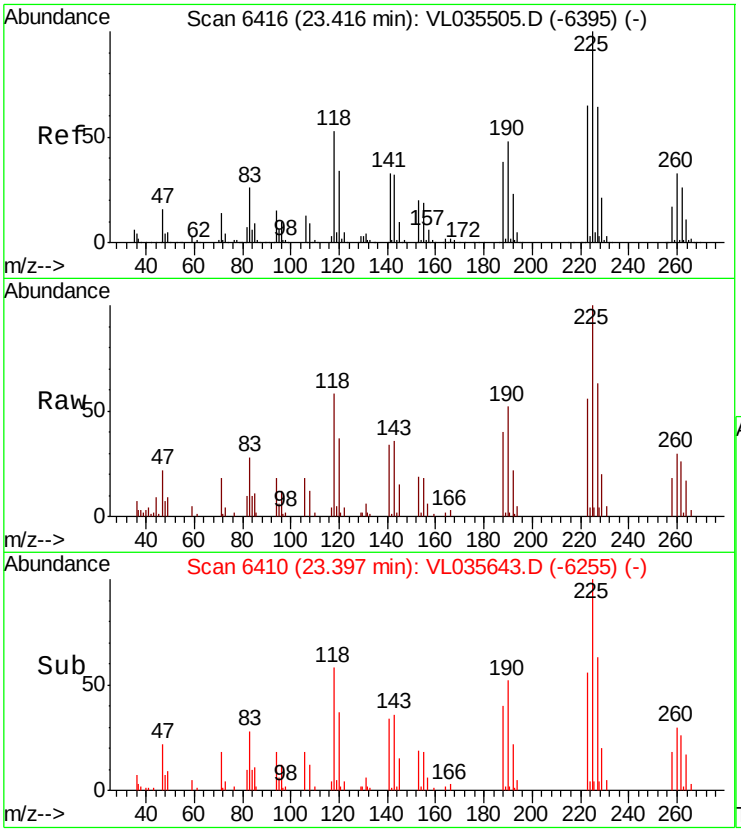


#77
1,2-Dichlorobenzene
Concen: 0.220 ppbv
RT: 17.84 min Scan# 4681
Delta R.T. 0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion:146 Resp: 74802

Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.1	63.3
148	65.0	32.9	98.7



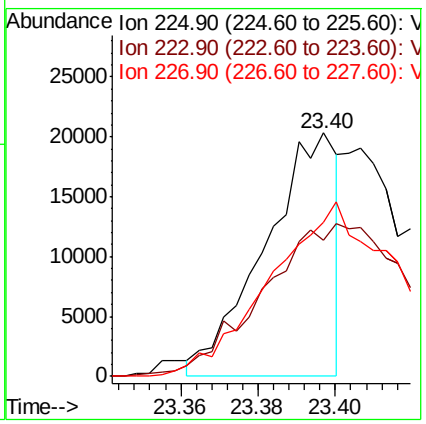


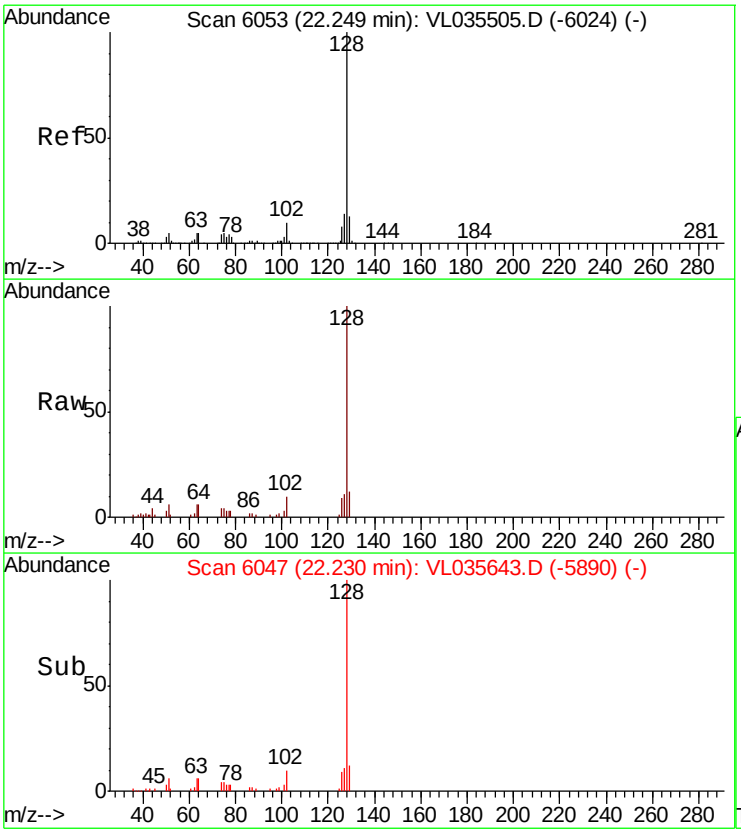
#78
Hexachloro-1,3-Butadiene
Concen: 0.122 ppbv
RT: 23.40 min Scan# 6410
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion:225 Resp: 26437

Ion	Ratio	Lower	Upper
225	100		
223	125.4	51.7	77.5#
227	126.6	51.5	77.3#

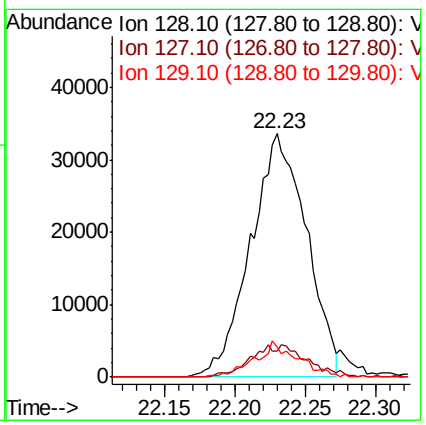


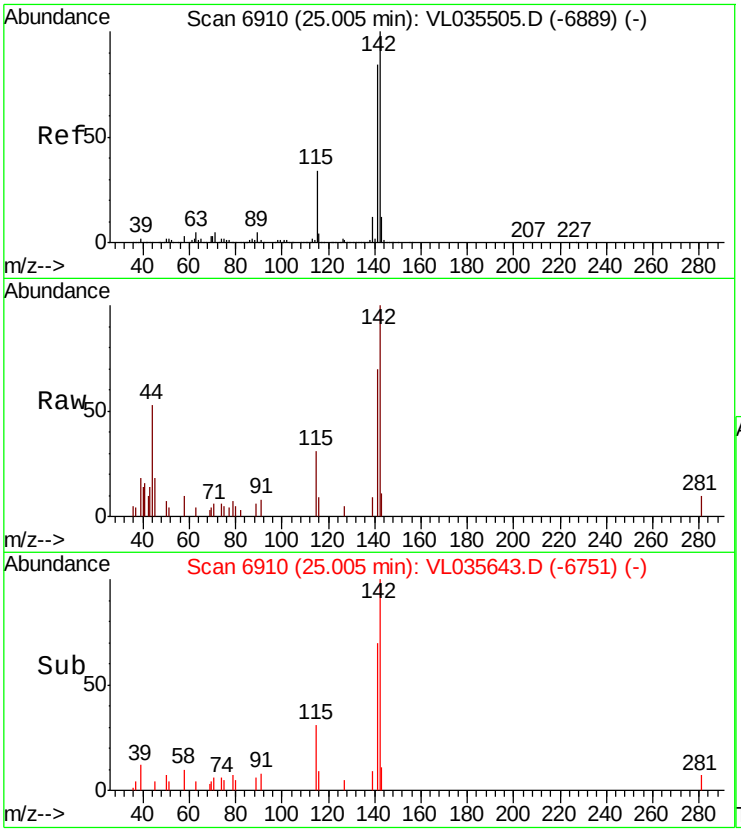


#79
Naphthalene
Concen: 0.176 ppbv
RT: 22.23 min Scan# 6047
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion:128 Resp: 92561

Ion	Ratio	Lower	Upper
128	100		
127	10.9	11.4	17.2#
129	12.4	10.5	15.7



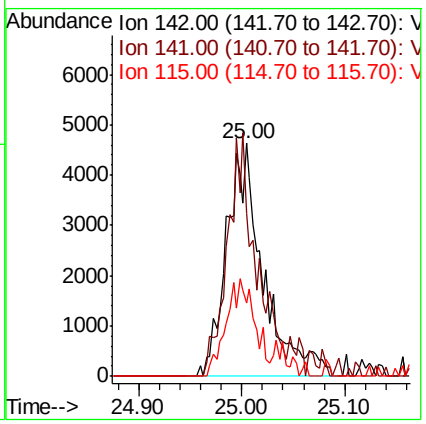


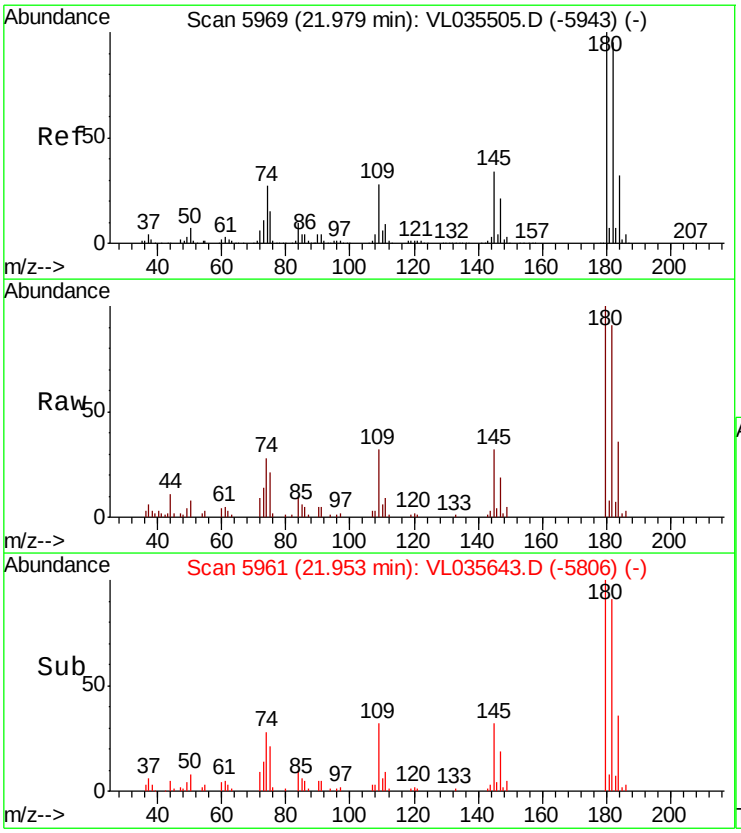
#80
Naphthalene,2-methyl-
Concen: 0.064 ppbv
RT: 25.00 min Scan# 6910
Delta R.T. 0.01 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Instrument : MSVOA_L
ClientSampleId : VL0916ABS01

Tgt Ion:142 Resp: 11420

Ion	Ratio	Lower	Upper
142	100		
141	87.0	67.6	101.4
115	38.5	25.8	38.8





#81
1,2,4-Trichlorobenzene
Concen: 0.094 ppbv
RT: 21.95 min Scan# 5961
Delta R.T. -0.00 min
Lab File: VL035643.D
Acq: 17 Sep 2020 00:24

Tgt Ion:180 Resp: 29619

Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.3	114.5#
184	65.7	25.3	37.9#