Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050620\
Data File : VL034951.D
Acq On : 7 May 2020 2:03
Operator : SY/AP
Sample : L2182-14 0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 07 06:36:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	1162027	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.19	114	2661756	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.12	117	2461870	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.46	95	2049701	10.29	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.02	85	98032	0.594	ppbv		94
3) Chlorodifluoromethane	2.95	51	75786	0.571	ppbv		95
4) Chloromethane	3.11	50	43674	0.574	ppbv		94
5) Vinyl Chloride	3.23	62	39133	0.528	ppbv		94
6) Bromomethane	3.45	94	26863	0.607	ppbv		98
7) Chloroethane	3.53	64	9427	0.354	ppbv	#	87
8) Dichlorotetrafluoroethane	3.15	85	102137	0.598	ppbv		98
9) Propene	2.98	41	25426	0.442	ppbv		96
10) Heptane	8.14	43	63259	0.439	ppbv		98
11) Trichlorofluoromethane	3.93	101	99832	0.587	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	63881	0.528	ppbv		98
13) Ethanol	3.59	45	5564	0.293	ppbv	#	39
14) Bromoethene	3.72	108	25361	0.507	ppbv		93
15) Acetone	3.84	43	96440	0.628	ppbv		95
16) 1,3-Butadiene	3.30	39	27678	0.419	ppbv		89
17) tert-Butyl alcohol	4.29	59	38233	0.280	ppbv	#	71
18) 1,1-Dichloroethene	4.28	96	30153	0.574	ppbv		96
19) Isopropyl Alcohol	3.95	45	56365	0.550	ppbv	#	91
20) Methylene Chloride	4.33	84	33359	0.656	ppbv	#	74
21) Allyl Chloride	4.40	41	43197	0.498	ppbv		92
22) trans-1,2-Dichloroethene	4.87	96	26684	0.513	ppbv		90
23) Vinyl Acetate	5.07	43	85109	0.437	ppbv	#	93
24) 1,1-Dichloroethane	5.01	63	44059	0.294	ppbv		98
25) Ethyl Acetate	5.68	43	135284	0.524	ppbv	#	98
26) Hexane	5.68	57	37980	0.339	ppbv	#	30
27) Carbon Disulfide	4.54	76	65756	0.499	ppbv	#	85
28) Methyl tert-Butyl Ether	5.04	73	74382	0.437	ppbv		98
29) Chloroform	5.75	83	100404	0.549	ppbv		86
30) Cyclohexane	7.15	84	25961	0.301	ppbv	#	73
31) cis-1,2-Dichloroethene	5.55	61	33781	0.309	ppbv	#	83
32) 1,1,1-Trichloroethane	6.52	97	90125	0.545	ppbv		99
34) 2-Butanone	5.25	43	76523	0.463	ppbv		100
35) Carbon Tetrachloride	7.03	117	90010	0.536	ppbv		95
36) Benzene	6.90	78	94226	0.429	ppbv		92
37) 1,2-Dichloroethane	6.31	62	42718	0.316	ppbv	#	91
38) Trichloroethene	7.85	130	36223	0.426	ppbv		89
39) 1,2-Dichloropropane	7.63	63	43338	0.493	ppbv		94
41) Tetrahydrofuran	6.07	42	22132	0.254	ppbv	#	76
42) Bromodichloromethane	7.81	83	94710	0.519	ppbv		86
43) Methyl Methacrylate	8.03	69	21608	0.233	ppbv	#	21
44) 2,2,4-Trimethylpentane	7.89	57	180081	0.462	ppbv		93

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050620\
Data File : VL034951.D
Acq On : 7 May 2020 2:03
Operator : SY/AP
Sample : L2182-14 0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 07 06:36:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
45) t-1,3-Dichloropropene	9.31	75	23042	0.246 ppbv		94
46) cis-1,3-Dichloropropene	8.72	75	29941	0.261 ppbv	#	83
47) 1,1,2-Trichloroethane	9.51	97	24164	0.260 ppbv		91
48) Dibromochloromethane	10.34	129	68061	0.477 ppbv		99
49) Bromoform	13.08	173	43909	0.357 ppbv	#	79
50) 4-Methyl-2-Pentanone	8.78	43	100003	0.424 ppbv		93
52) Tetrachloroethene	11.26	164	23918	0.307 ppbv	#	78
53) Toluene	9.83	91	82524	0.355 ppbv		97
54) 1,2-Dibromoethane	10.64	107	36097	0.265 ppbv		88
56) 1,1,1,2-Tetrachloroethane	12.17	131	28196	0.254 ppbv	#	8
57) Chlorobenzene	12.19	112	68034	0.349 ppbv	#	94
58) Ethyl Benzene	12.75	91	115496	0.379 ppbv		92
59) m/p-Xylene	13.04	91	69395	0.259 ppbv	#	25
60) o-Xylene	13.74	91	118668	0.449 ppbv		98
61) Styrene	13.57	104	37772	0.226 ppbv	#	57
62) Isopropylbenzene	14.72	105	188291	0.477 ppbv		98
63) 1,1,2,2-Tetrachloroethane	13.72	83	58252	0.280 ppbv	#	25
64) n-propylbenzene	15.61	120	23780	0.235 ppbv	#	1
65) tert-Butylbenzene	16.80	119	85348	0.249 ppbv	#	17
66) Benzyl Chloride	17.04	91	40090	0.345 ppbv	#	88
67) sec-Butylbenzene	17.34	105	235112	0.481 ppbv		96
69) p-Isopropyltoluene	17.71	119	169603	0.429 ppbv		96
70) n-Butylbenzene	18.60	91	118573	0.282 ppbv	#	61
71) 2-Chlorotoluene	15.50	91	119002	0.400 ppbv		100
72) 4-Ethyltoluene	15.89	105	67067	0.227 ppbv	#	55
73) 1,3,5-Trimethylbenzene	16.04	105	77420	0.270 ppbv		92
74) 1,2,4-Trimethylbenzene	16.82	105	153542	0.490 ppbv		89
75) 1,3-Dichlorobenzene	17.05	146	43620	0.237 ppbv	#	22
76) 1,4-Dichlorobenzene	17.19	146	86177	0.493 ppbv		95
77) 1,2-Dichlorobenzene	17.88	146	87019	0.502 ppbv		93
78) Hexachloro-1,3-Butadiene	23.43	225	33203	0.225 ppbv	#	18
79) Naphthalene	22.27	128	24073	0.099 ppbv		97
80) Naphthalene,2-methyl-	25.03	142	7559	0.126 ppbv	#	93
81) 1,2,4-Trichlorobenzene	22.00	180	13256	0.090 ppbv	#	1

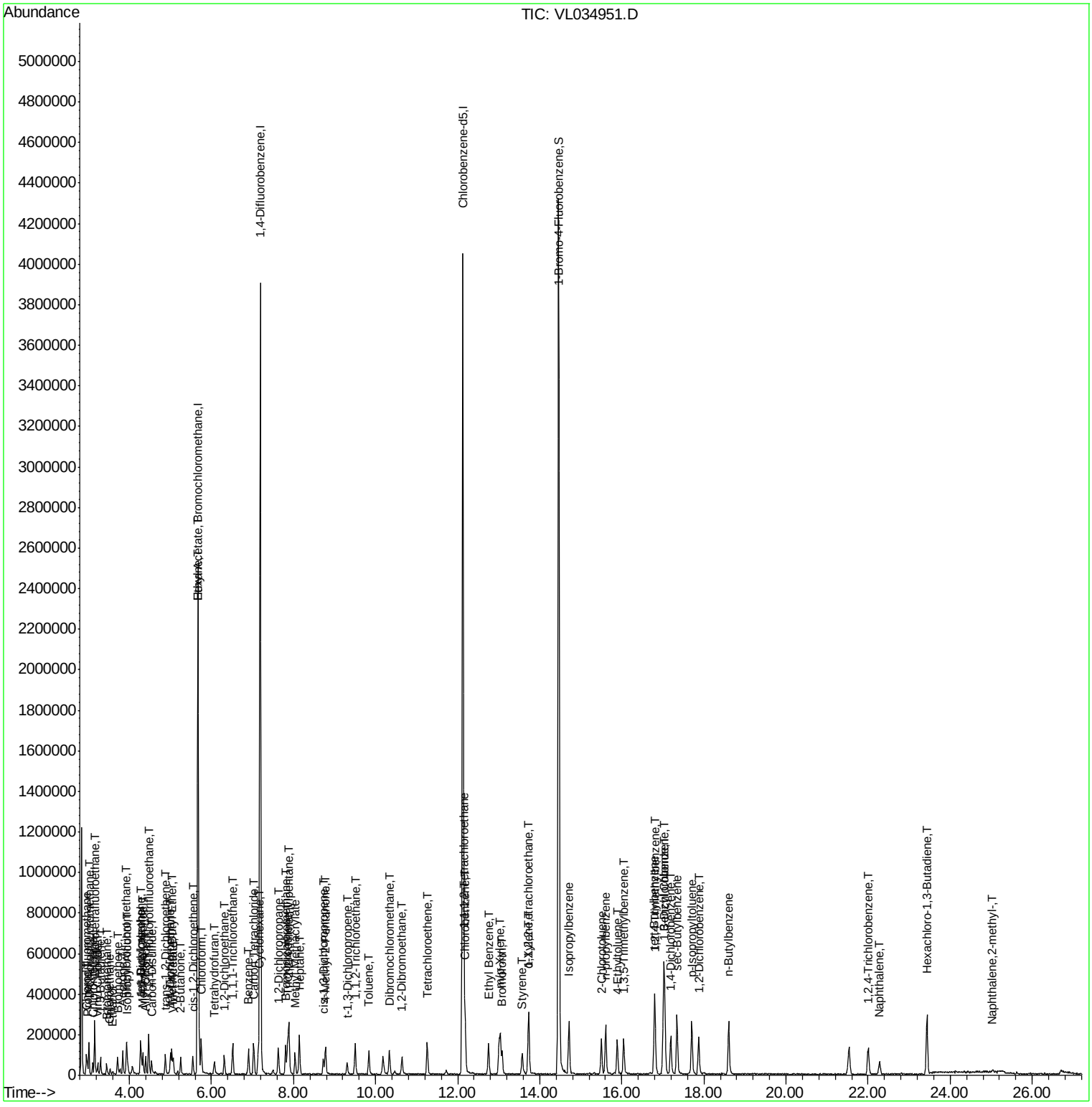
(#) = qualifier out of range (m) = manual integration (+) = signals summed

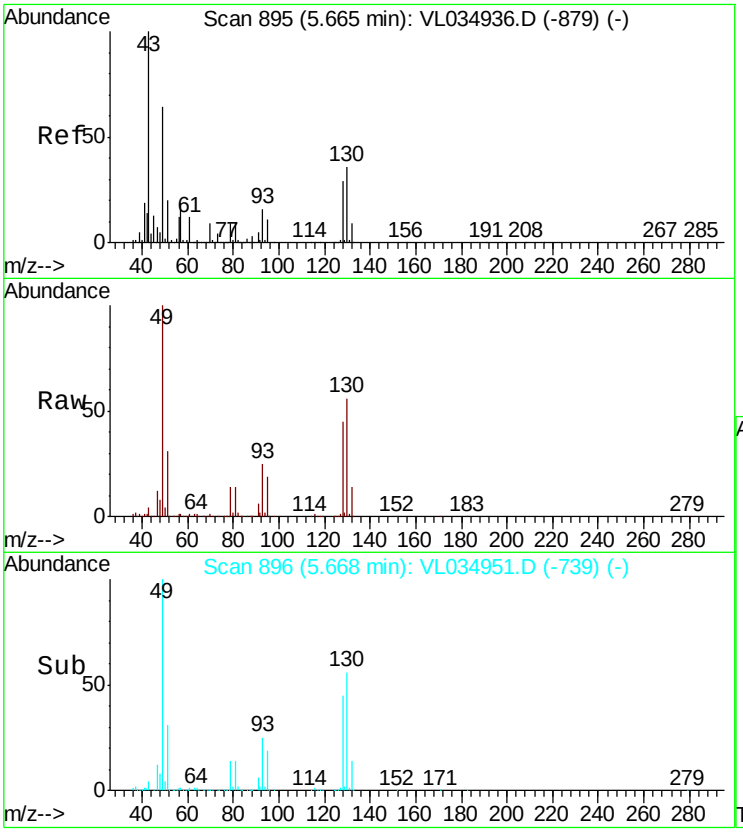
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050620\
Data File : VL034951.D
Acq On : 7 May 2020 2:03
Operator : SY/AP
Sample : L2182-14 0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 07 06:36:40 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration



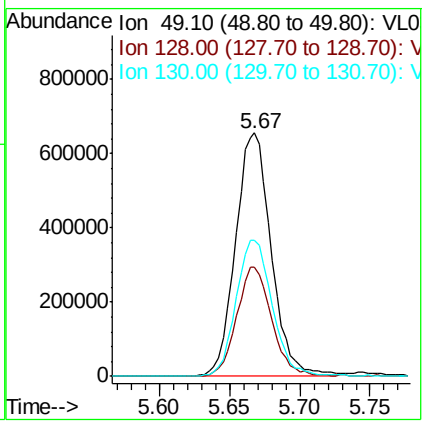


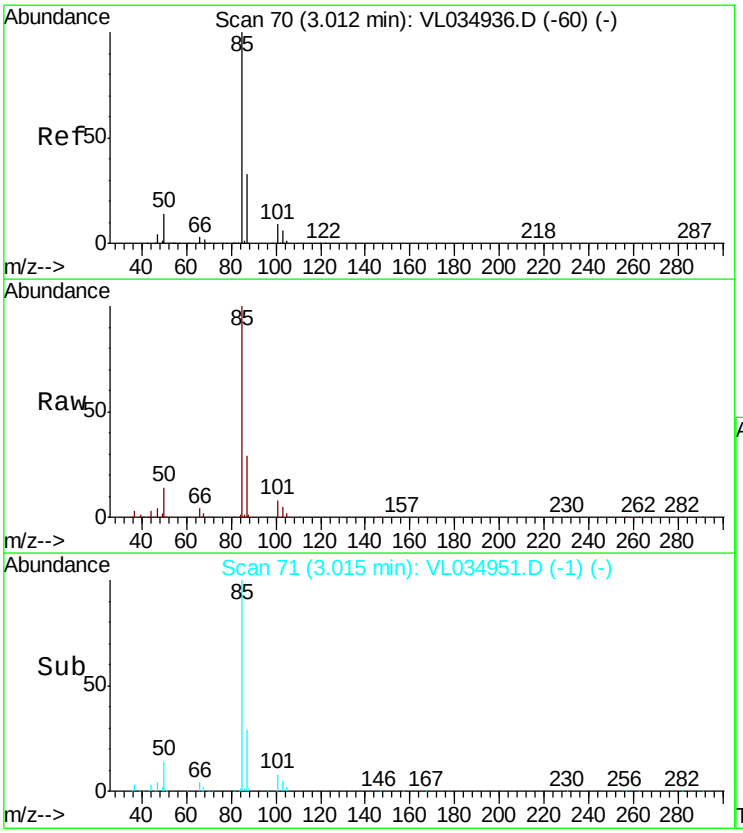
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1162027

Ion	Ratio	Lower	Upper
49	100		
128	44.9	22.1	66.5
130	57.1	29.1	87.3

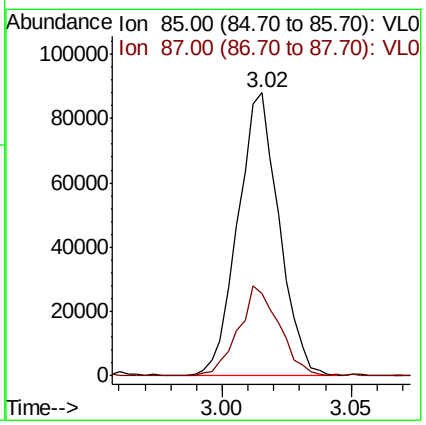


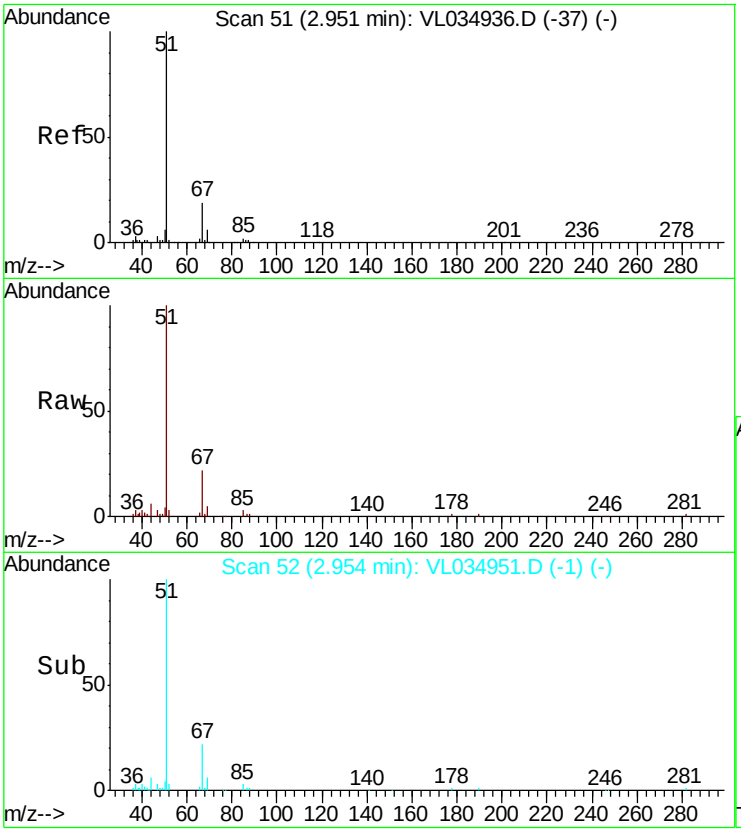


#2
Dichlorodifluoromethane
Concen: 0.594 ppbv
RT: 3.02 min Scan# 71
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 85 Resp: 98032

Ion	Ratio	Lower	Upper
85	100		
87	29.1	26.2	39.2

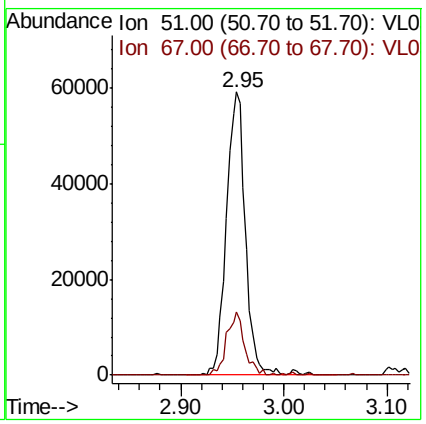




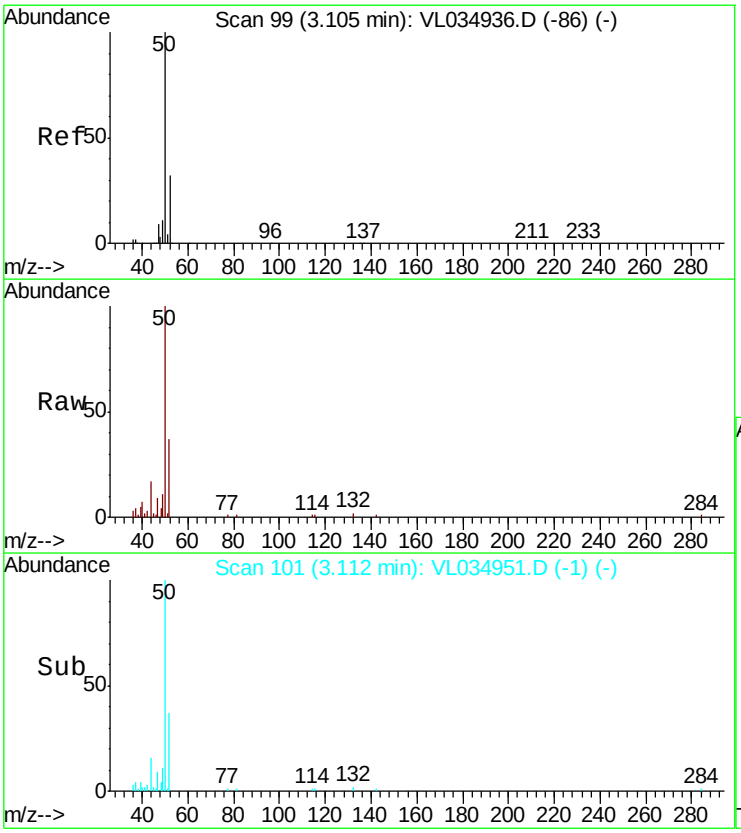
#3
Chlorodifluoromethane
Concen: 0.571 ppbv
RT: 2.95 min Scan# 52
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 51 Resp: 75786

Ion	Ratio	Lower	Upper
51	100		
67	21.0	15.0	22.6



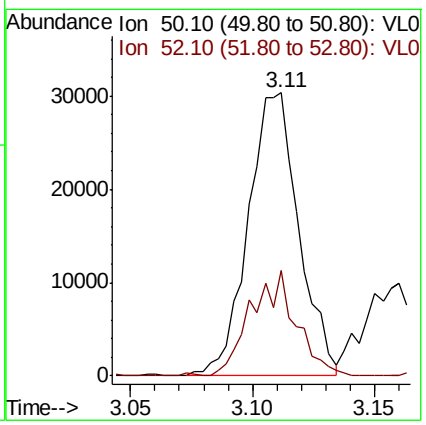
Instrument :
MSVOA_L
ClientSampleId :

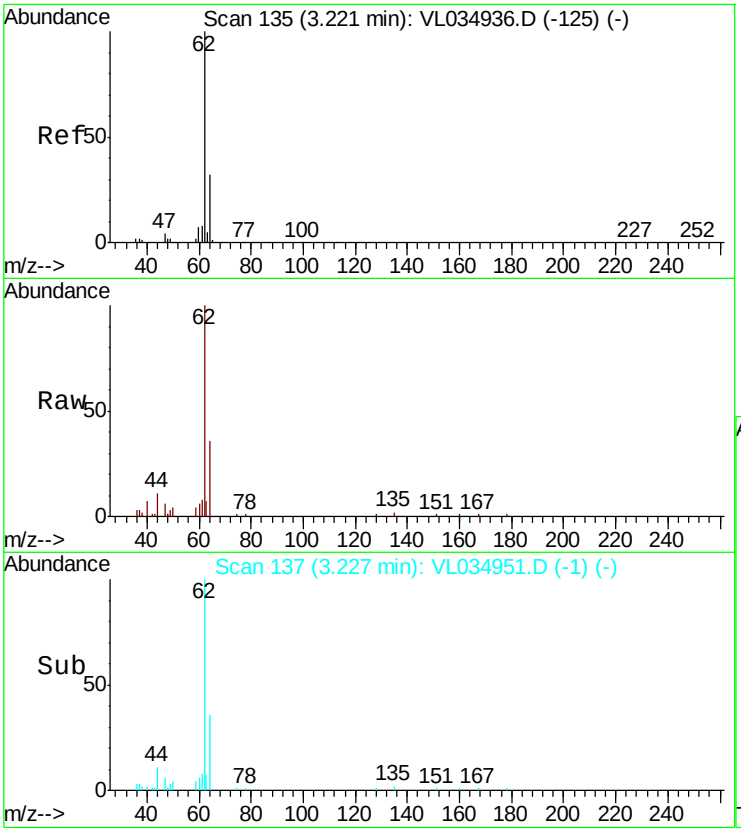


#4
Chloromethane
Concen: 0.574 ppbv
RT: 3.11 min Scan# 101
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 50 Resp: 43674

Ion	Ratio	Lower	Upper
50	100		
52	35.3	25.4	38.2



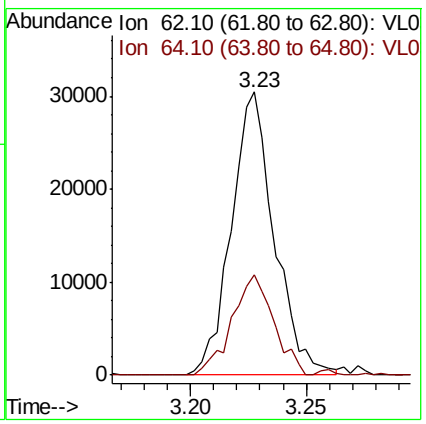


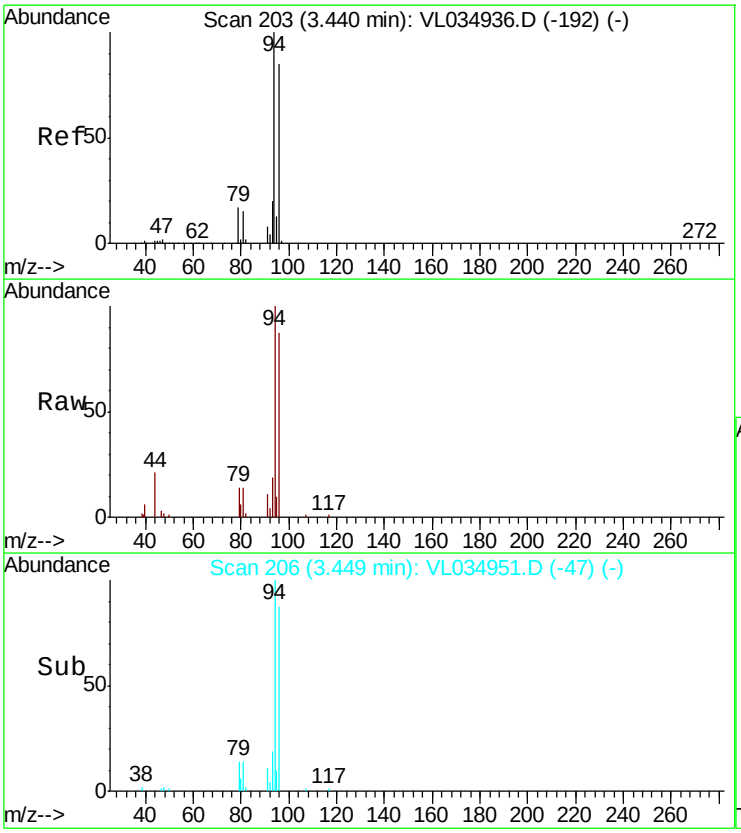
#5
Vinyl Chloride
Concen: 0.528 ppbv
RT: 3.23 min Scan# 137
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 39133

Ion	Ratio	Lower	Upper
62	100		
64	35.7	25.7	38.5

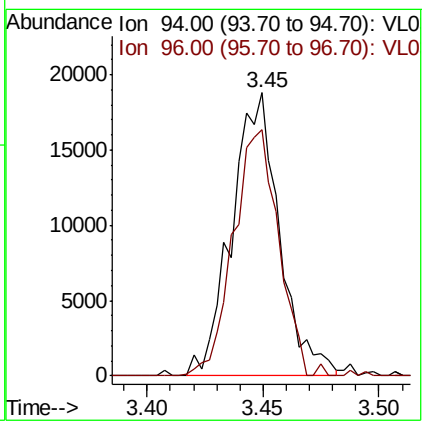


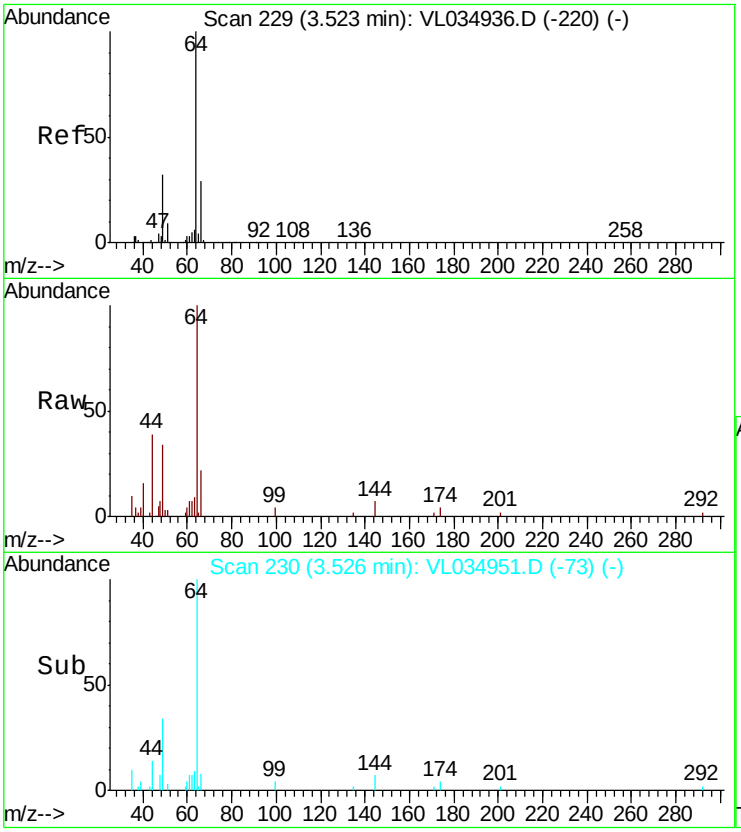


#6
Bromomethane
Concen: 0.607 ppbv
RT: 3.45 min Scan# 206
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 94 Resp: 26863

Ion	Ratio	Lower	Upper
94	100		
96	87.1	67.9	101.9



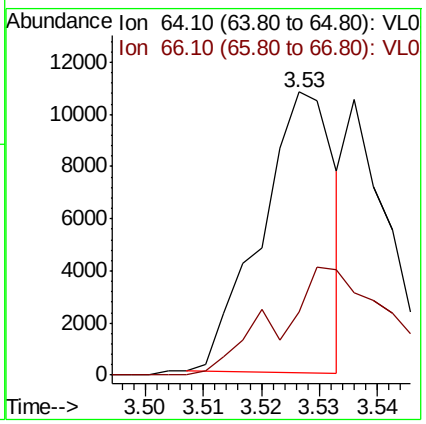


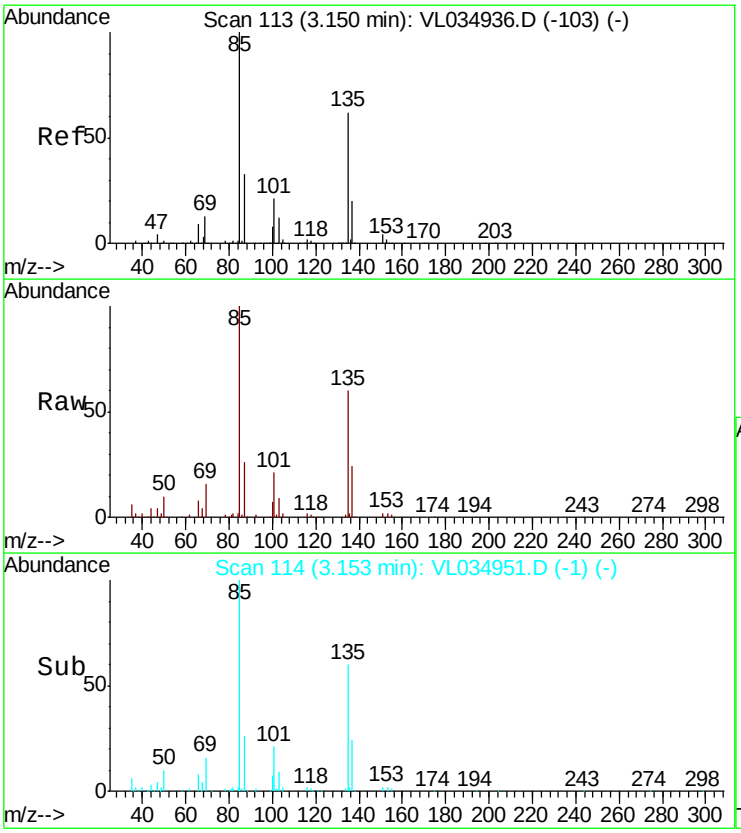
#7
Chloroethane
Concen: 0.354 ppbv
RT: 3.53 min Scan# 230
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 64 Resp: 9427

Ion	Ratio	Lower	Upper
64	100		
66	22.2	23.2	34.8#

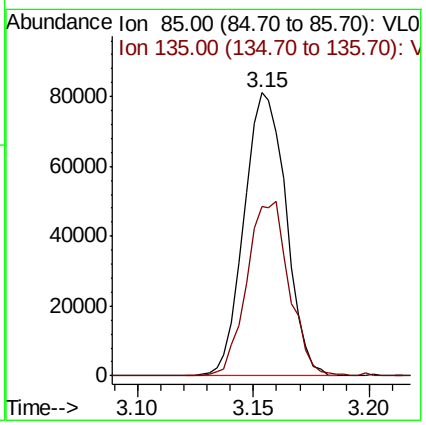


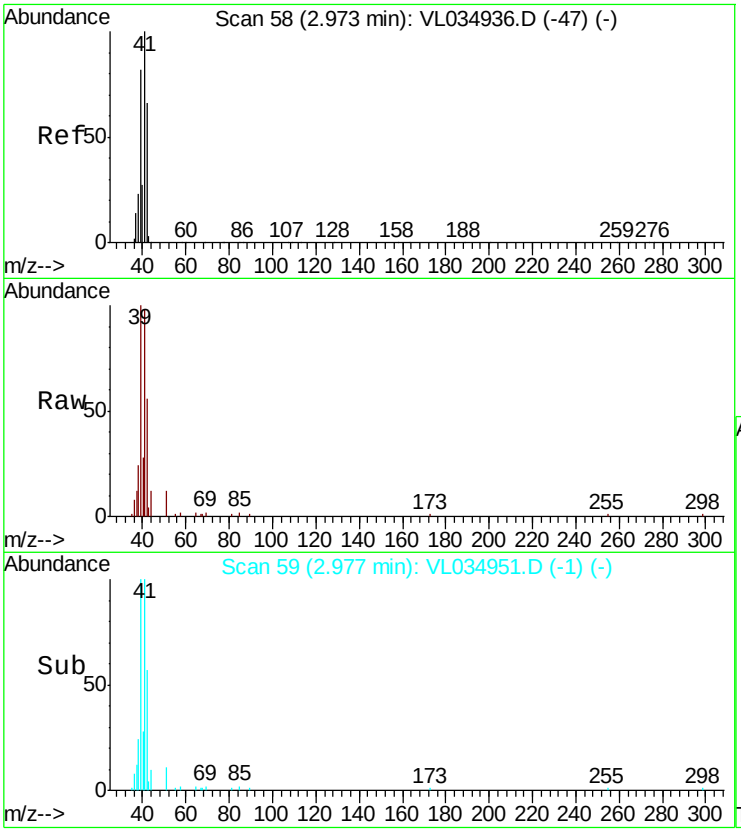


#8
Dichlorotetrafluoroethane
Concen: 0.598 ppbv
RT: 3.15 min Scan# 114
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 85 Resp: 102137

Ion	Ratio	Lower	Upper
85	100		
135	62.3	50.9	76.3



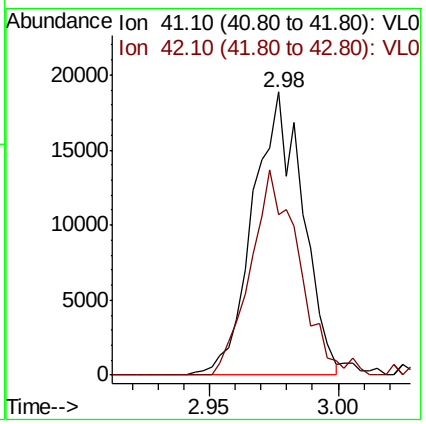


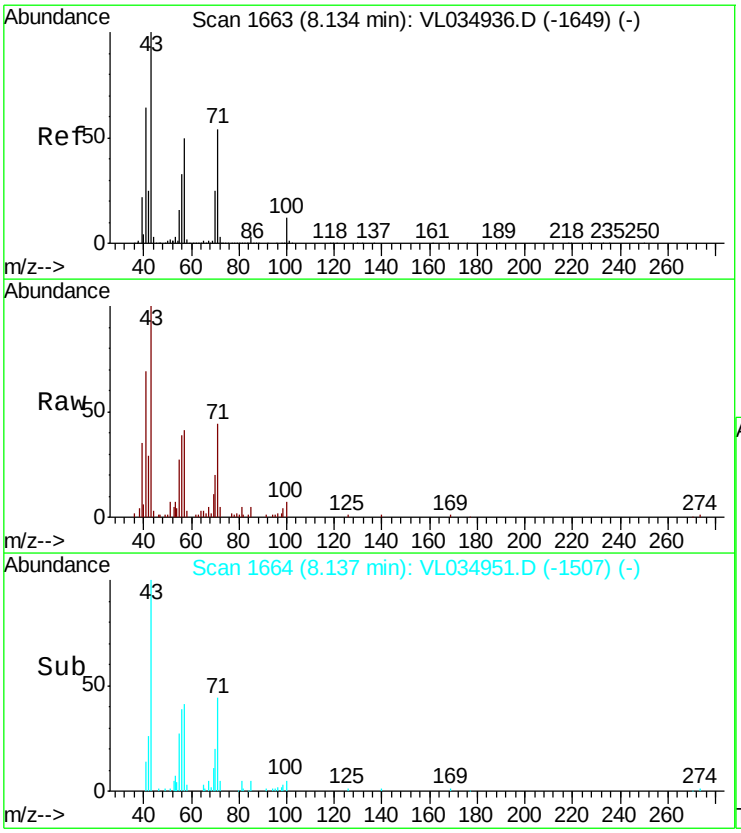
#9
Propene
Concen: 0.442 ppbv
RT: 2.98 min Scan# 59
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 25426

Ion	Ratio	Lower	Upper
41	100		
42	70.9	54.5	81.7

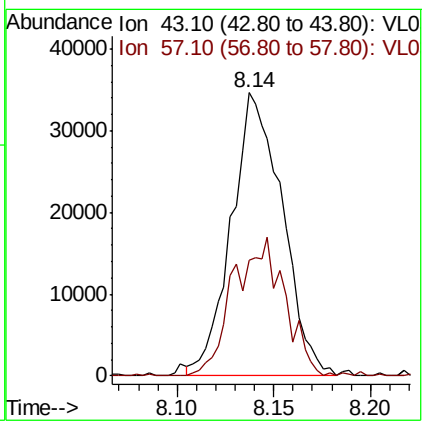


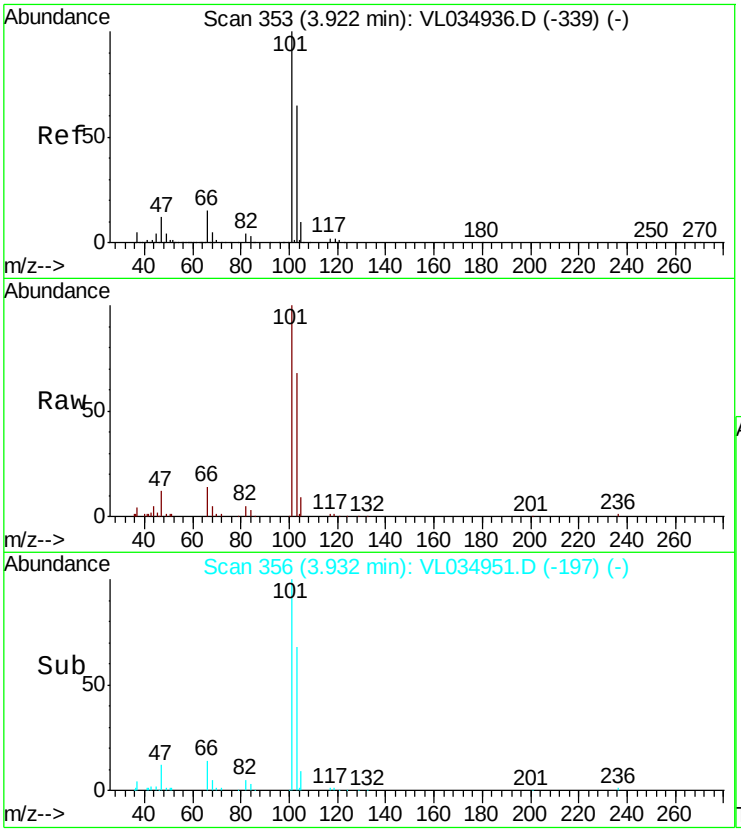


#10
Heptane
Concen: 0.439 ppbv
RT: 8.14 min Scan# 1664
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 43 Resp: 63259

Ion	Ratio	Lower	Upper
43	100		
57	49.8	41.1	61.7



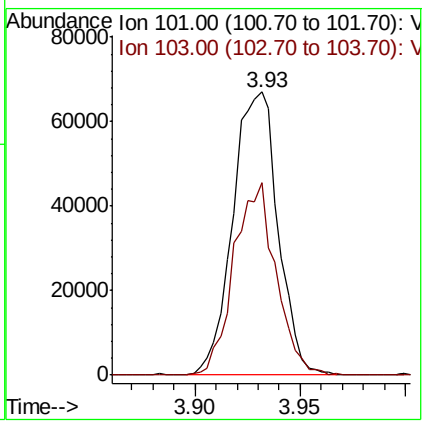


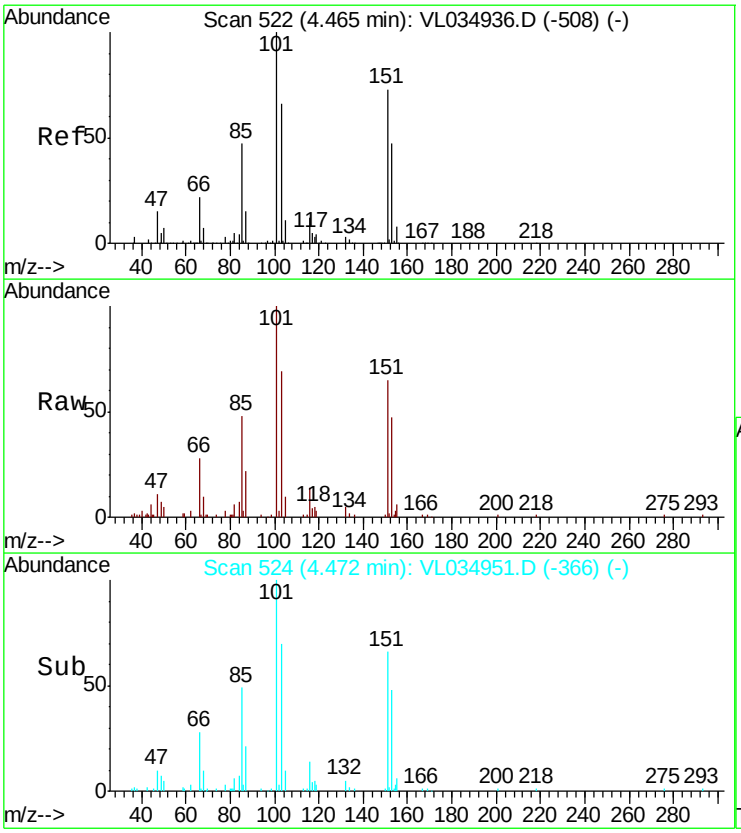
#11
Trichlorofluoromethane
Concen: 0.587 ppbv
RT: 3.93 min Scan# 356
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 99832

Ion	Ratio	Lower	Upper
101	100		
103	68.2	51.9	77.9

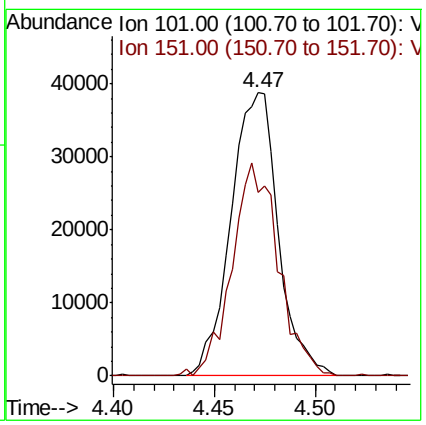


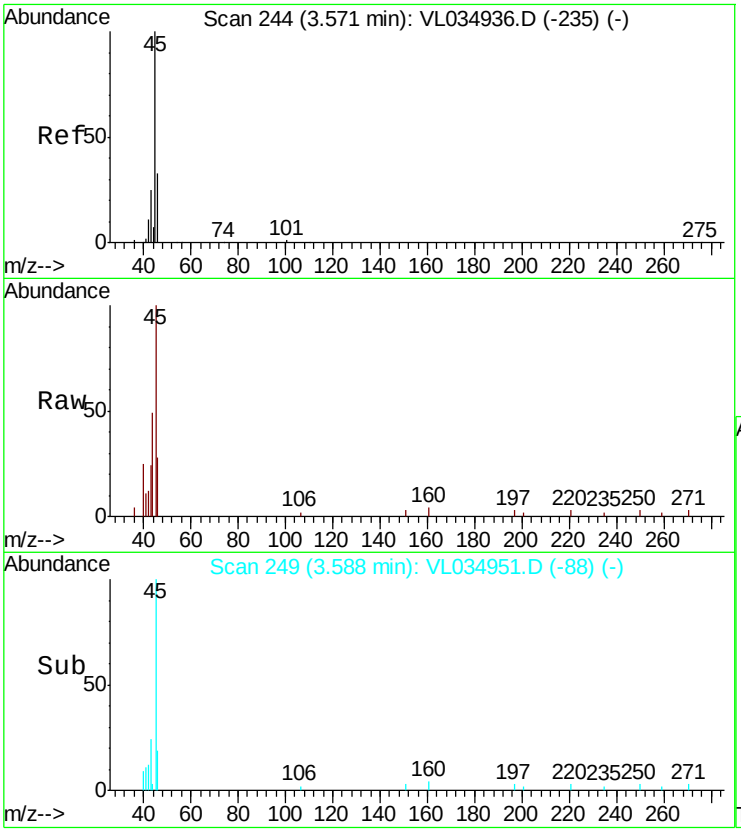


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.528 ppbv
RT: 4.47 min Scan# 524
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion:101 Resp: 63881

Ion	Ratio	Lower	Upper
101	100		
151	73.4	57.6	86.4



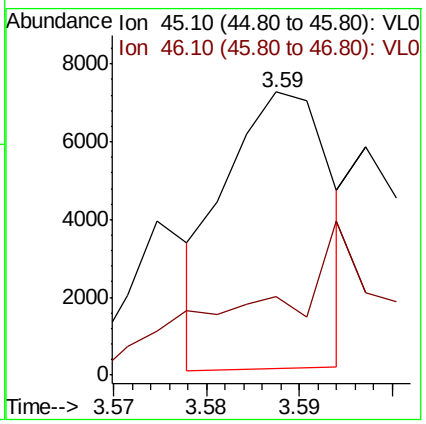


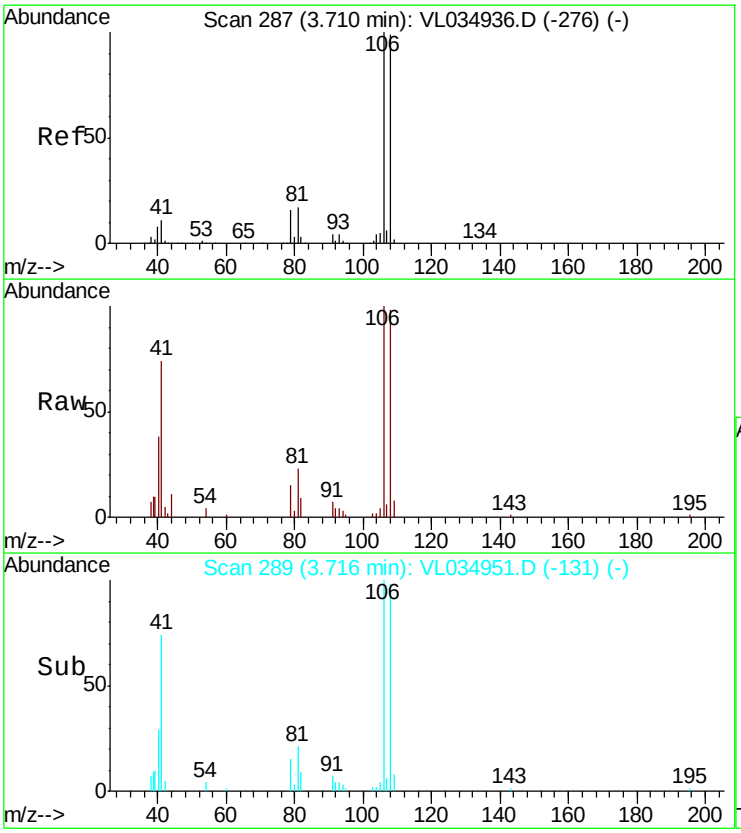
#13
Ethanol
Concen: 0.293 ppbv
RT: 3.59 min Scan# 249
Delta R.T. 0.02 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 5564

Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.3	57.3#

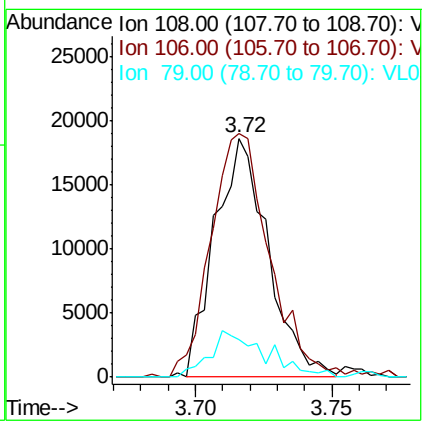


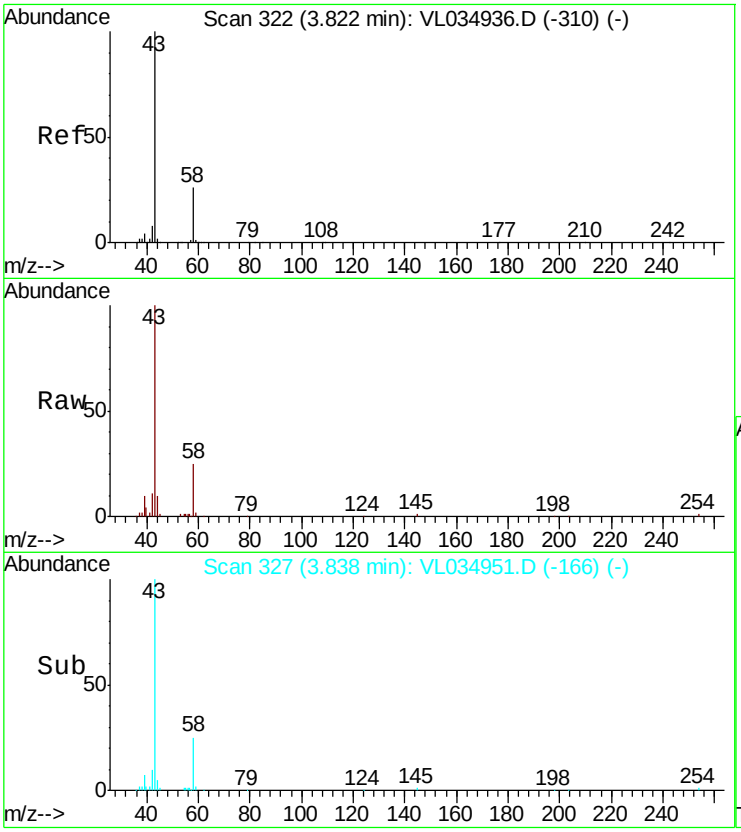


#14
Bromoethene
Concen: 0.507 ppbv
RT: 3.72 min Scan# 289
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion:108 Resp: 25361

Ion	Ratio	Lower	Upper
108	100		
106	113.7	84.9	127.3
79	21.0	14.1	21.1



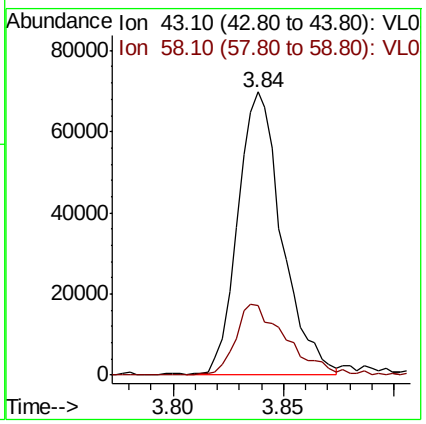


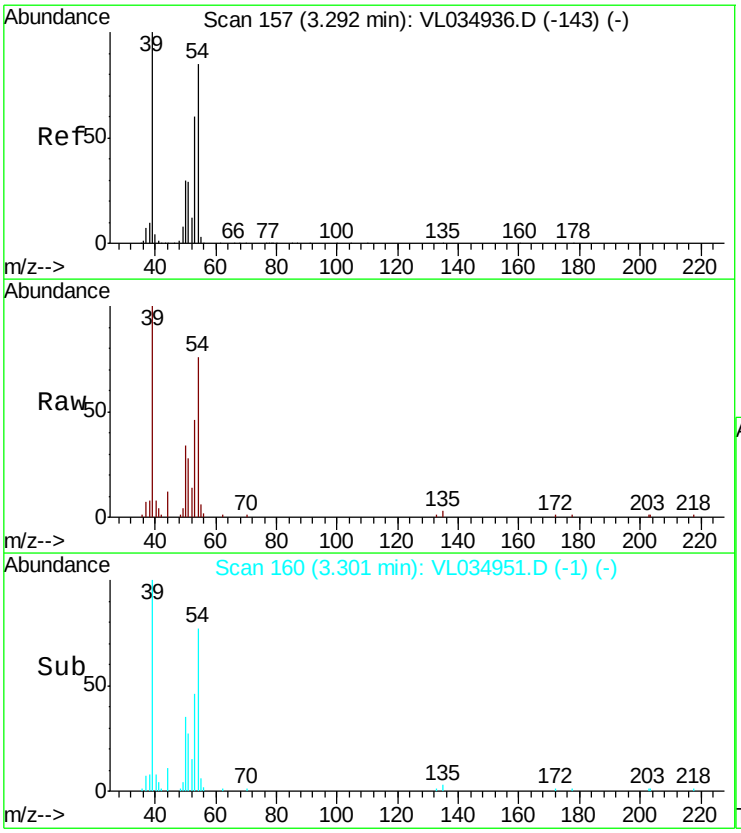
#15
Acetone
Concen: 0.628 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.02 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 96440

Ion	Ratio	Lower	Upper
43	100		
58	29.5	21.7	32.5

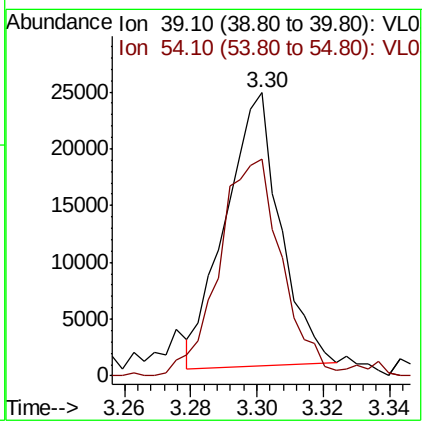


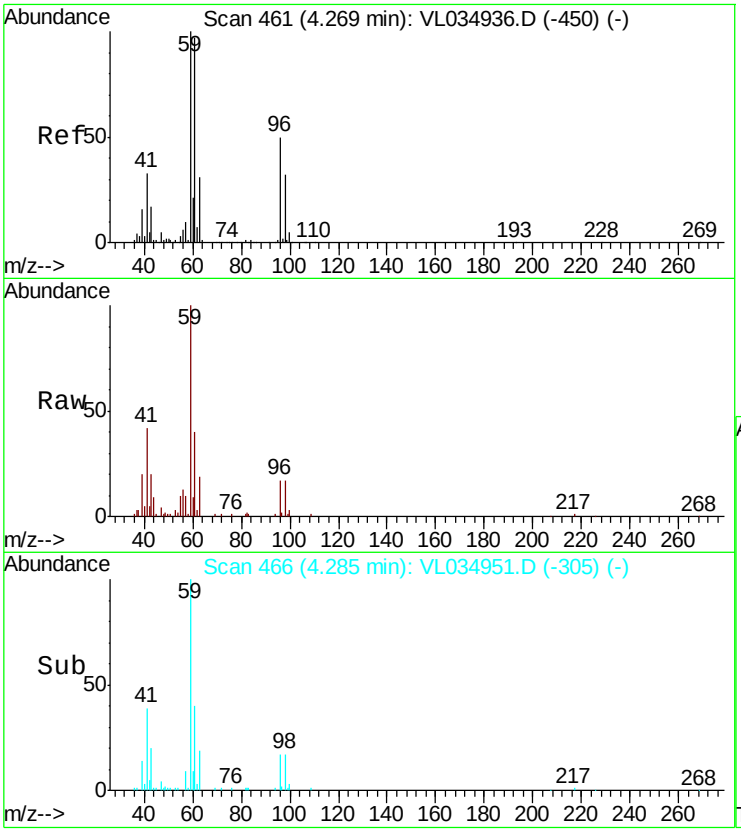


#16
1,3-Butadiene
Concen: 0.419 ppbv
RT: 3.30 min Scan# 160
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 39 Resp: 27678

Ion	Ratio	Lower	Upper
39	100		
54	93.0	66.6	100.0



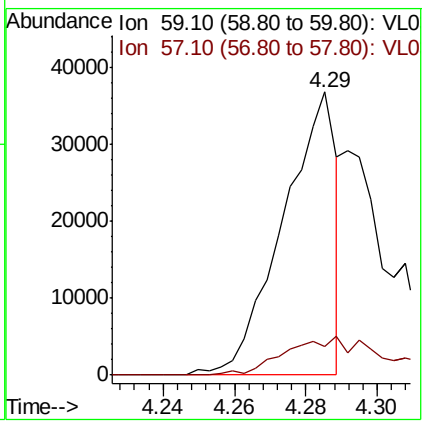


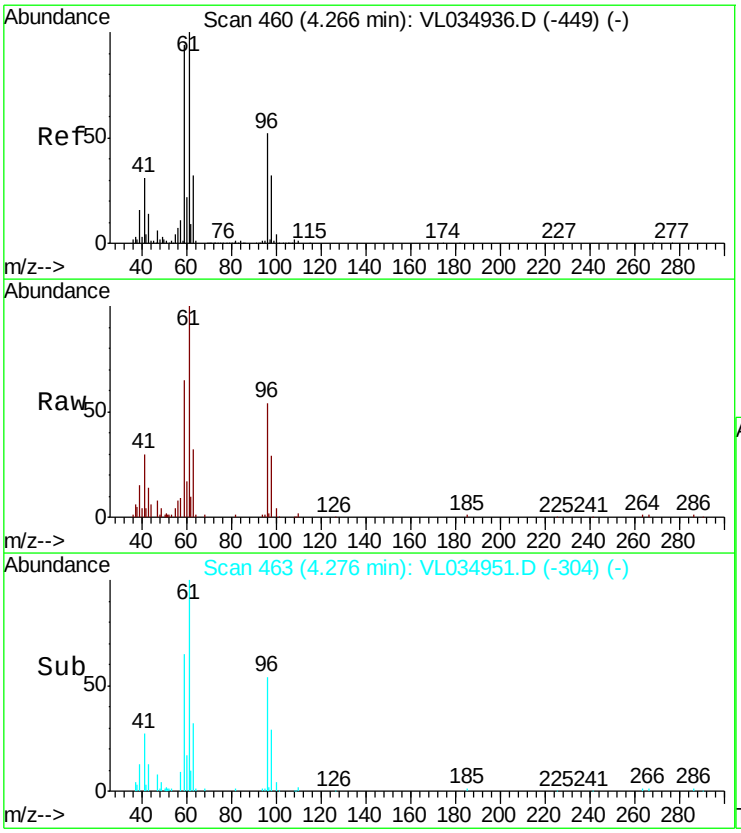
#17
tert-Butyl alcohol
Concen: 0.280 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.02 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 38233

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#

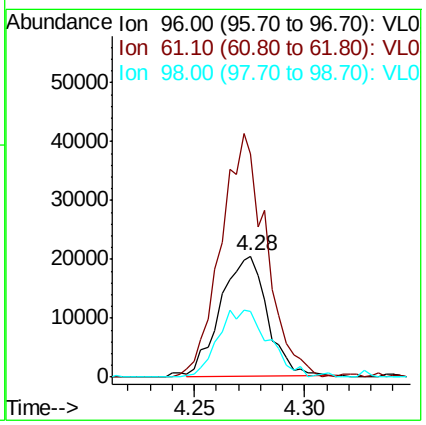


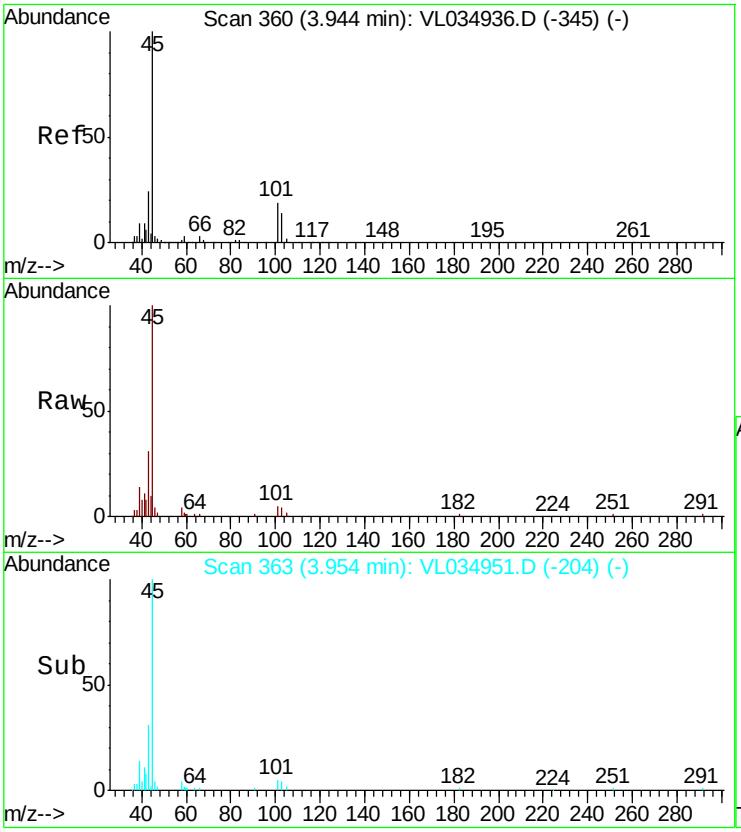


#18
1,1-Dichloroethene
Concen: 0.574 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 96 Resp: 30153

Ion	Ratio	Lower	Upper
96	100		
61	186.2	152.4	228.6
98	54.8	48.8	73.2



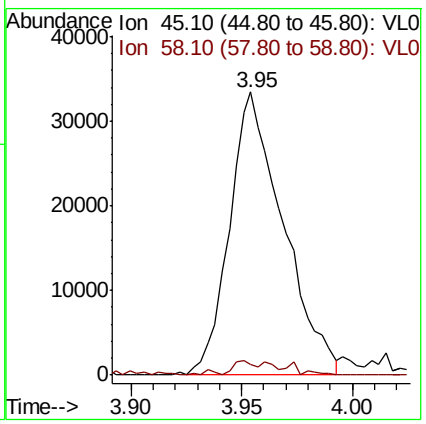


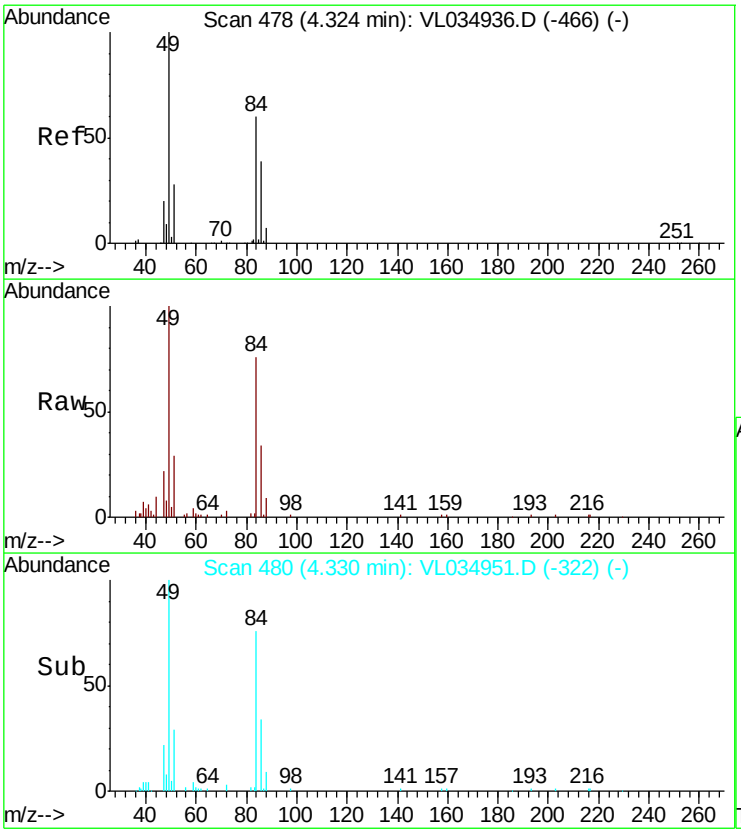
#19
Isopropyl Alcohol
Concen: 0.550 ppbv
RT: 3.95 min Scan# 363
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 56365

Ion	Ratio	Lower	Upper
45	100		
58	5.2	1.7	2.5#

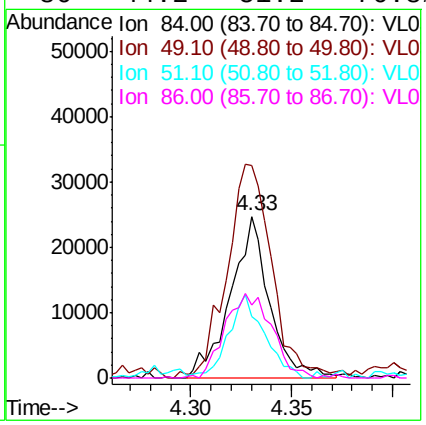


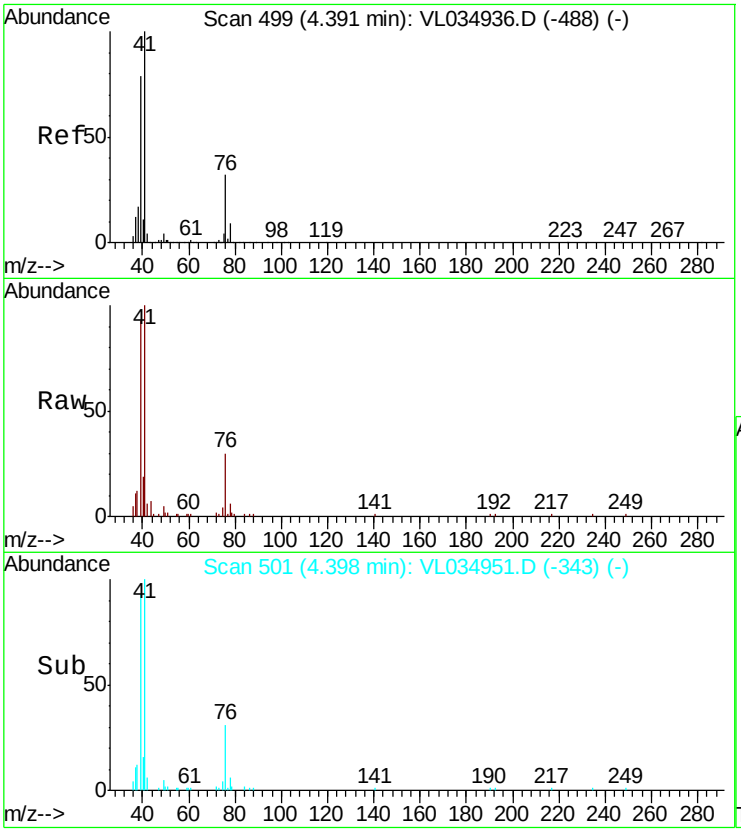


#20
Methylene Chloride
Concen: 0.656 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 84 Resp: 33359

Ion	Ratio	Lower	Upper
84	100		
49	127.2	132.5	198.7#
51	36.4	38.4	57.6#
86	44.2	51.2	76.8#



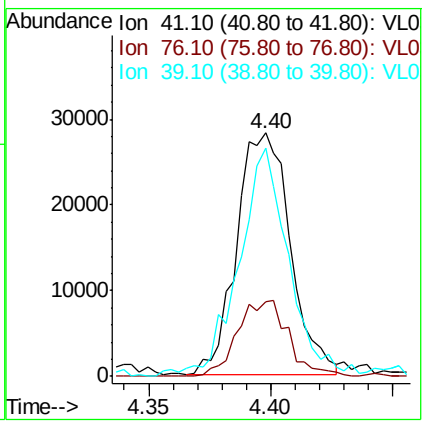


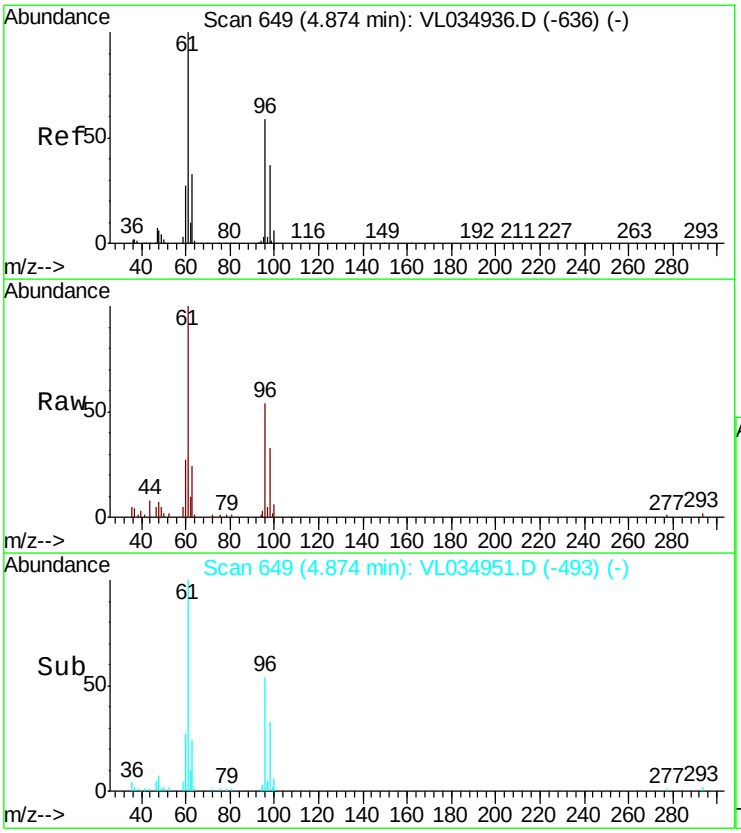
#21
Allvl Chloride
Concen: 0.498 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 43197

Ion	Ratio	Lower	Upper
41	100		
76	29.9	23.6	35.4
39	87.3	61.9	92.9

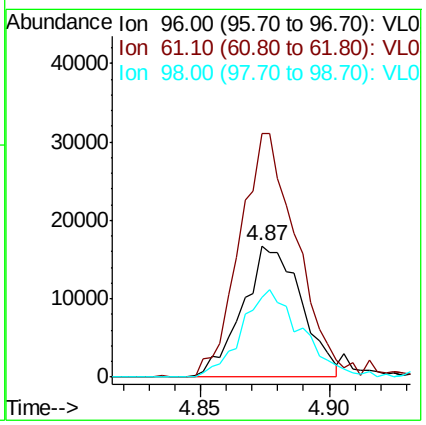


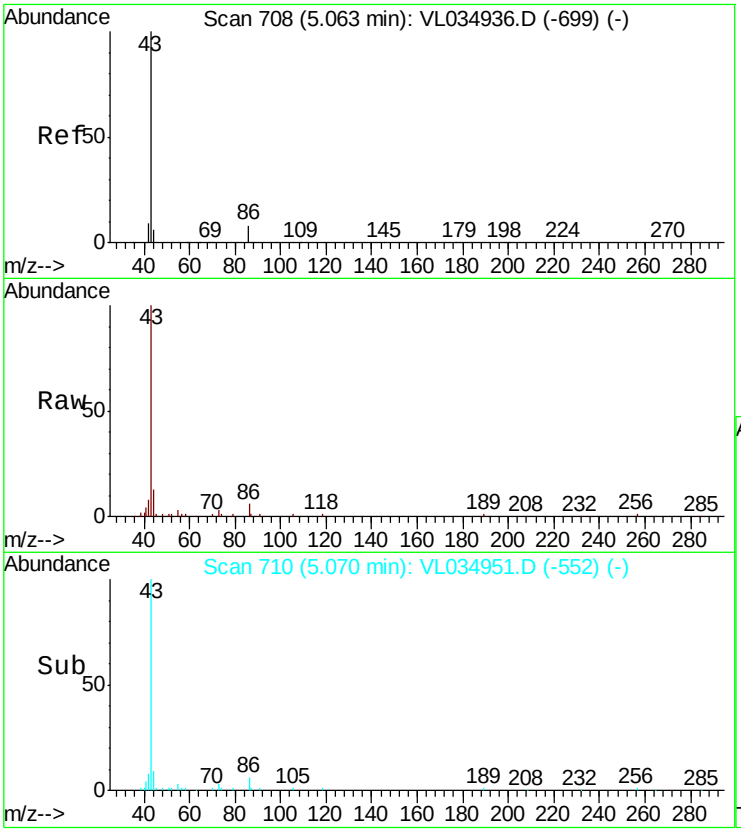


#22
trans-1,2-Dichloroethene
Concen: 0.513 ppbv
RT: 4.87 min Scan# 649
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 96 Resp: 26684

Ion	Ratio	Lower	Upper
96	100		
61	185.3	135.3	202.9
98	60.5	50.4	75.6



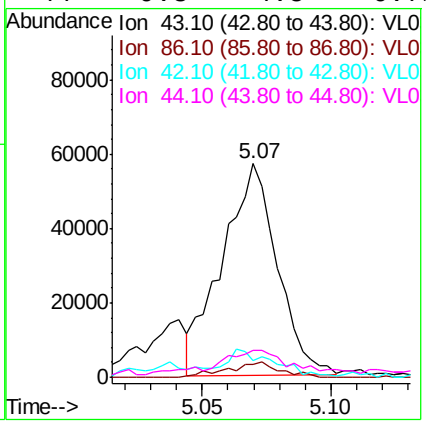


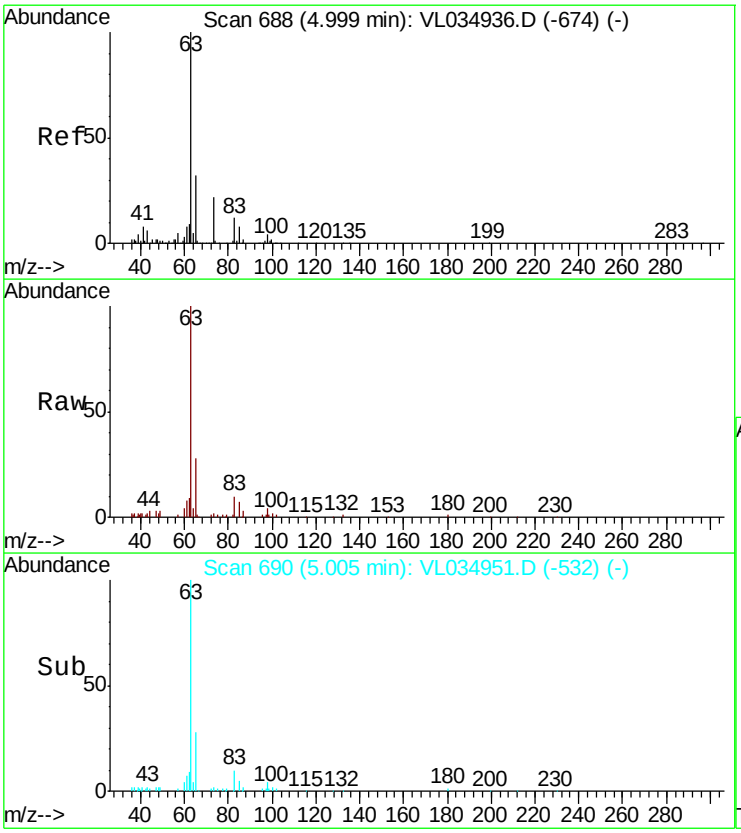
#23
Vinyl Acetate
Concen: 0.437 ppbv
RT: 5.07 min Scan# 710
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 85109

Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.5	8.3
42	7.3	8.0	12.0#
44	9.8	4.5	6.7#

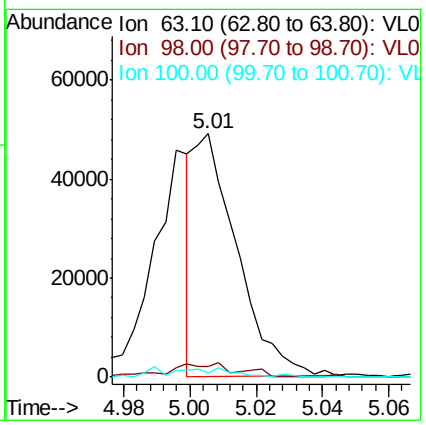


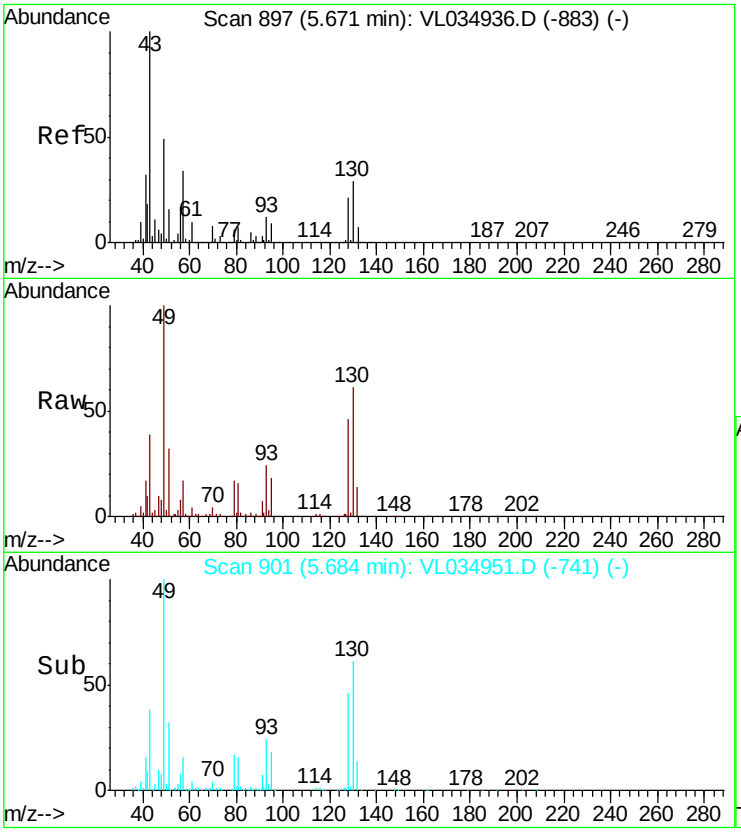


#24
1,1-Dichloroethane
Concen: 0.294 ppbv
RT: 5.01 min Scan# 690
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 63 Resp: 44059

Ion	Ratio	Lower	Upper
63	100		
98	3.2	2.0	6.0
100	1.9	1.1	3.5



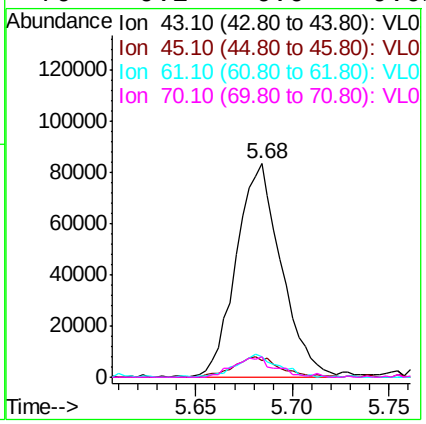


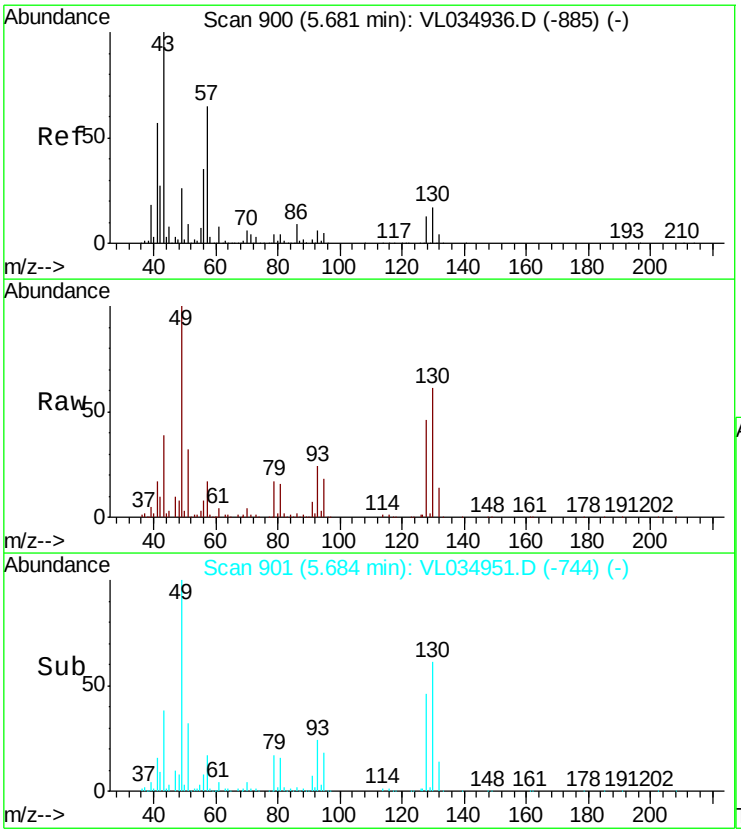
#25
Ethyl Acetate
Concen: 0.524 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 135284

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.1	12.1
61	10.3	7.8	11.8
70	9.2	6.0	9.0#

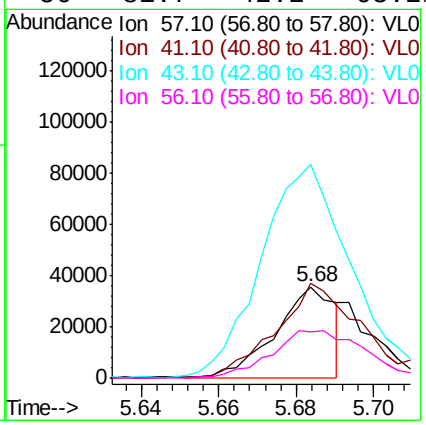


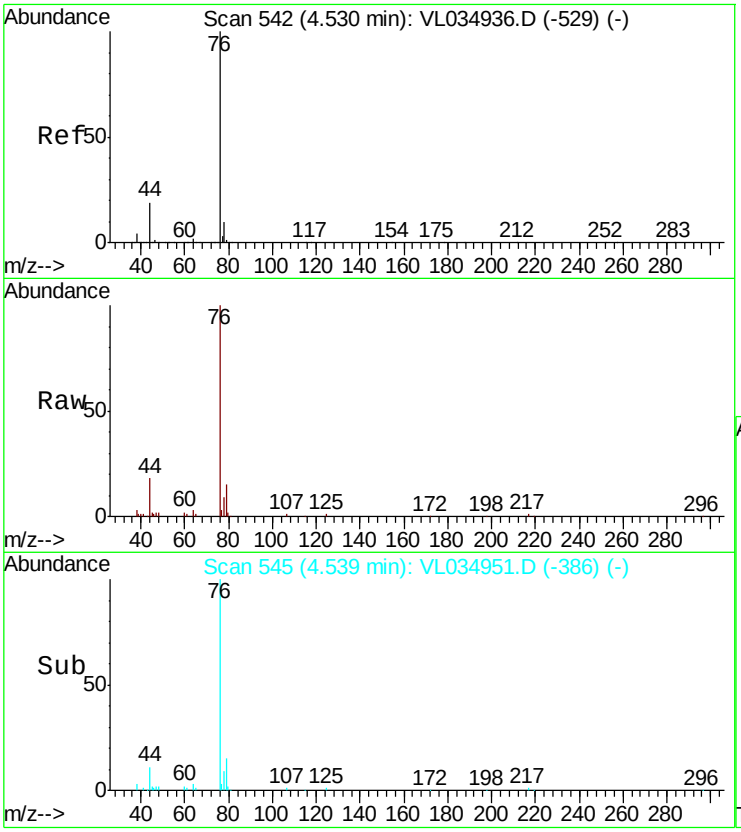


#26
Hexane
Concen: 0.339 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 57 Resp: 37980

Ion	Ratio	Lower	Upper
57	100		
41	150.4	72.7	109.1#
43	359.2	182.1	273.1#
56	81.7	42.2	63.2#



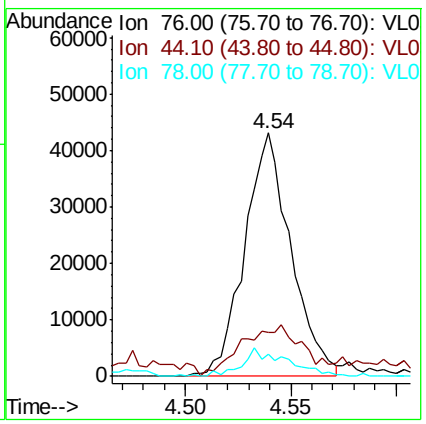


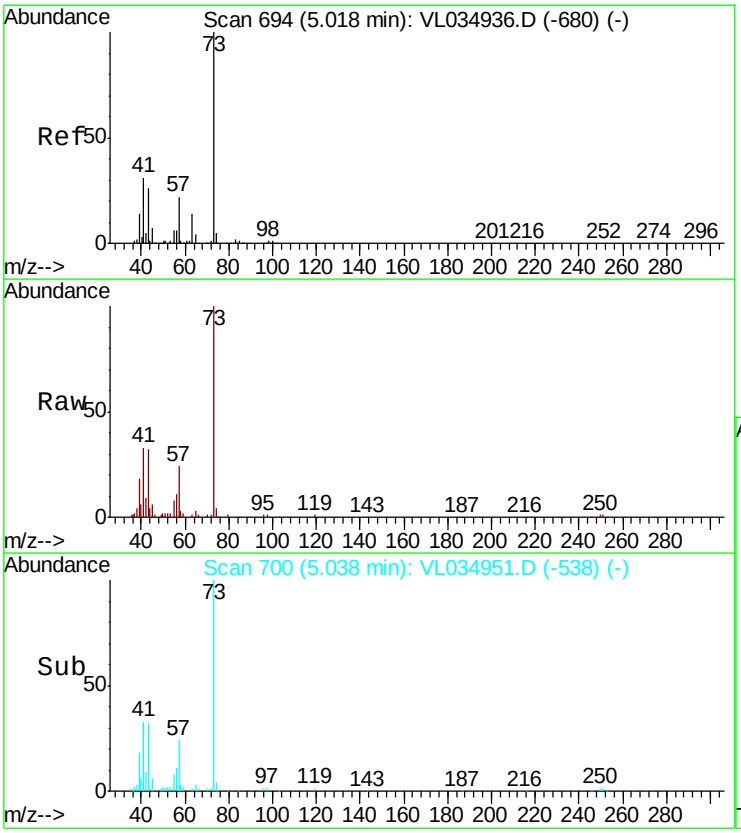
#27
Carbon Disulfide
Concen: 0.499 ppbv
RT: 4.54 min Scan# 545
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 76 Resp: 65756

Ion	Ratio	Lower	Upper
76	100		
44	27.7	15.2	22.8#
78	11.5	7.7	11.5#

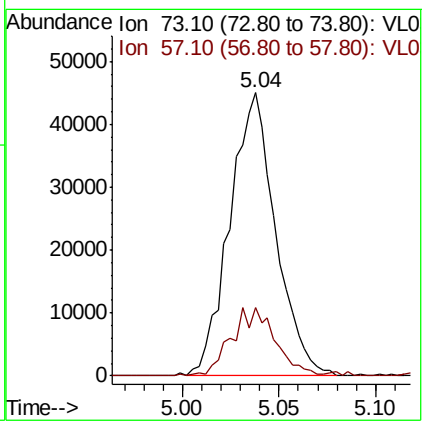


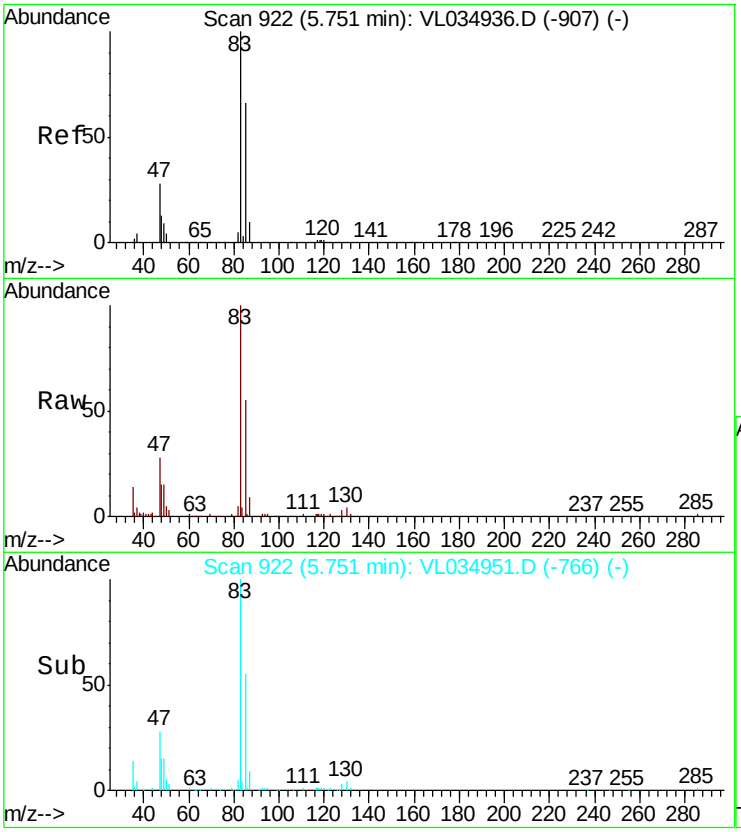


#28
Methyl tert-Butyl Ether
Concen: 0.437 ppbv
RT: 5.04 min Scan# 700
Delta R.T. 0.02 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 73 Resp: 74382

Ion	Ratio	Lower	Upper
73	100		
57	23.6	18.3	27.5



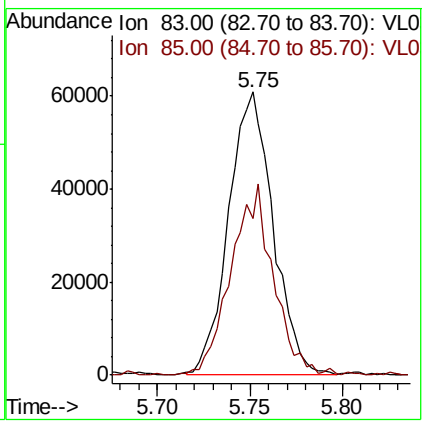


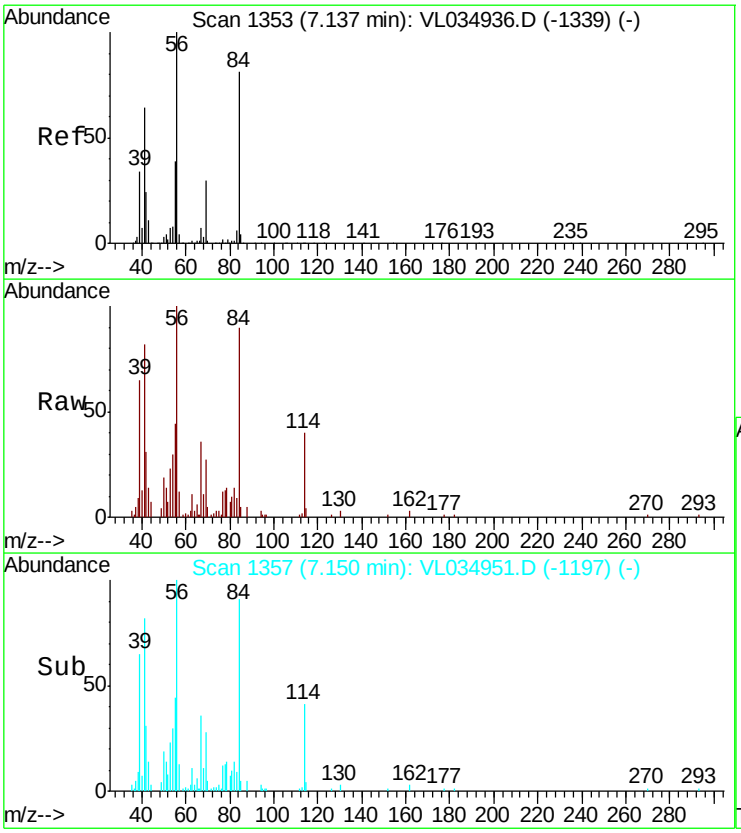
#29
Chloroform
Concen: 0.549 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 100404

Ion	Ratio	Lower	Upper
83	100		
85	55.0	53.0	79.6

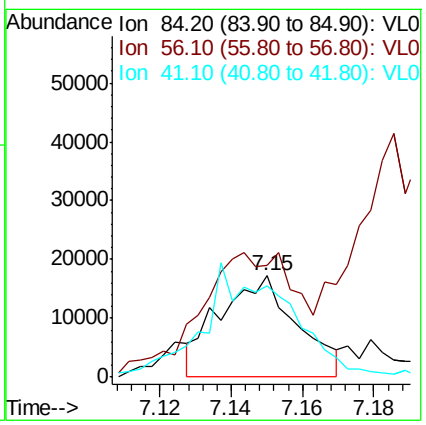


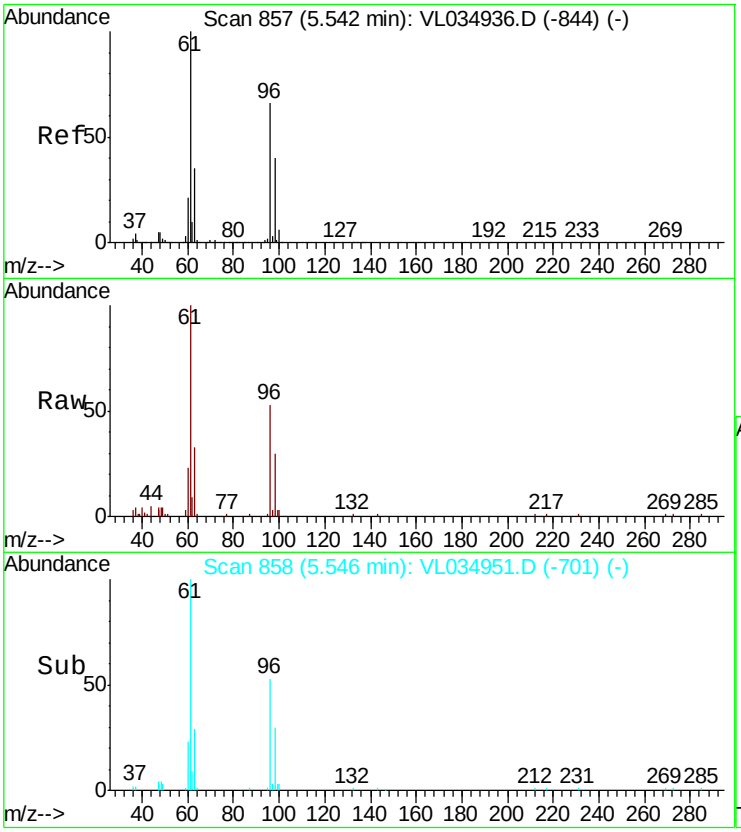


#30
Cyclohexane
Concen: 0.301 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 84 Resp: 25961

Ion	Ratio	Lower	Upper
84	100		
56	155.2	111.4	167.2
41	127.7	66.7	100.1#



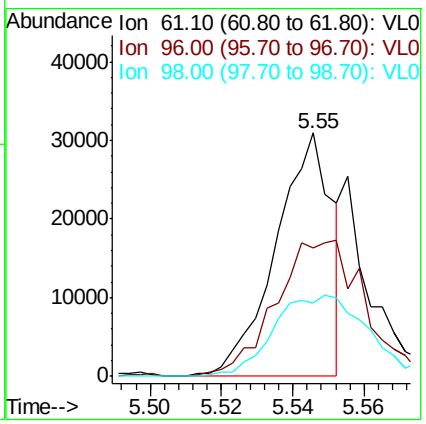


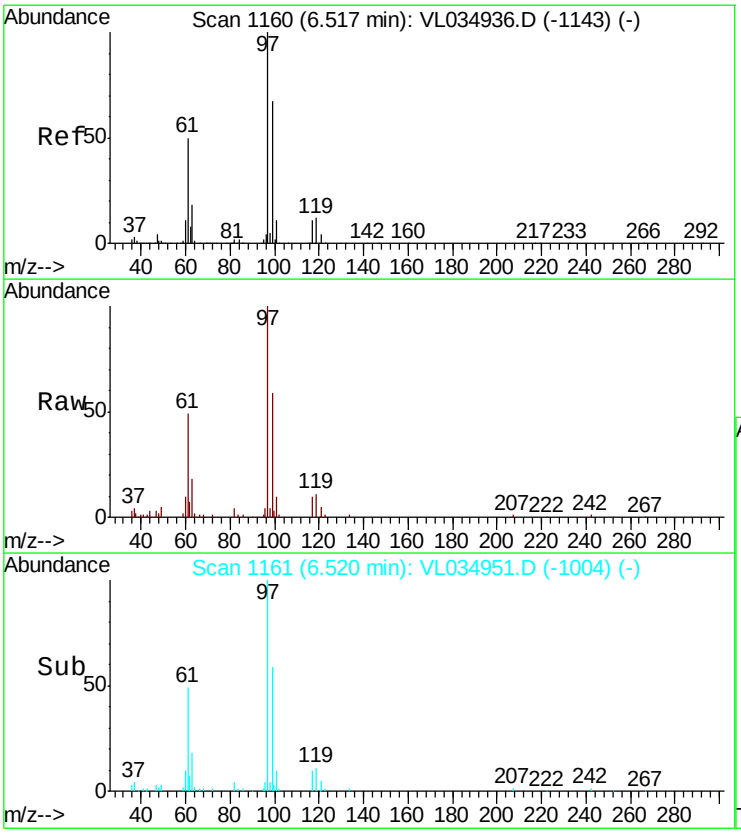
#31
cis-1,2-Dichloroethene
Concen: 0.309 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 33781

Ion	Ratio	Lower	Upper
61	100		
96	52.7	53.0	79.6#
98	30.2	32.2	48.2#

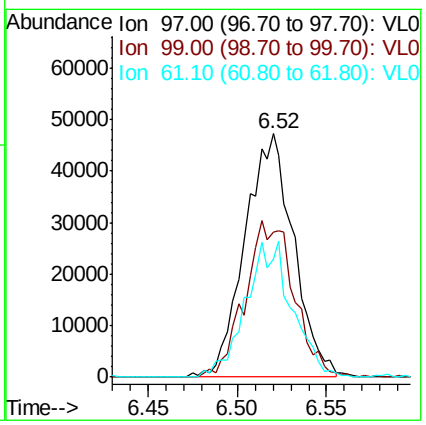


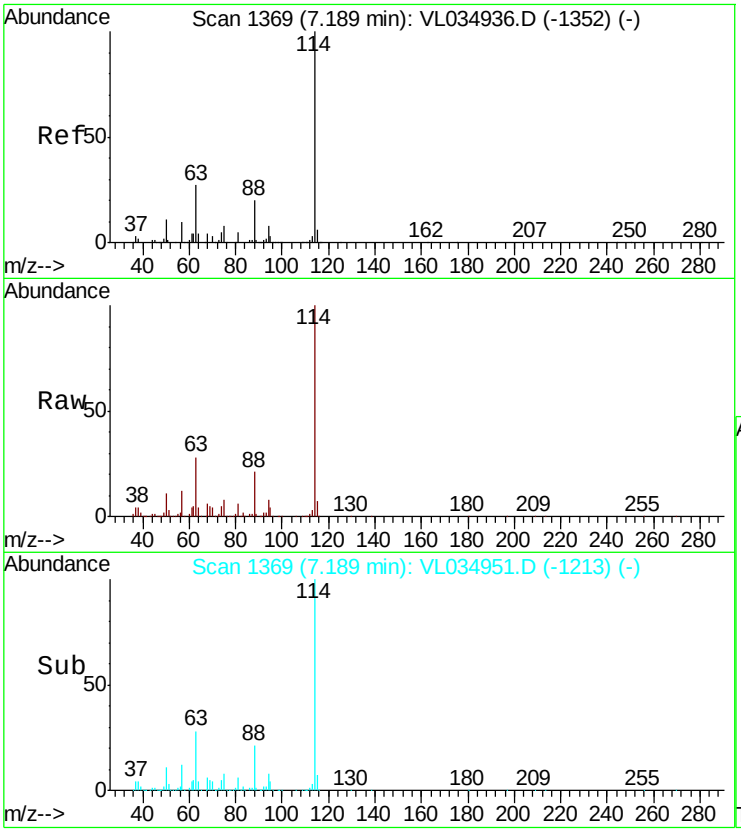


#32
1,1,1-Trichloroethane
Concen: 0.545 ppbv
RT: 6.52 min Scan# 1161
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 97 Resp: 90125

Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.1	78.1
61	53.3	41.8	62.8



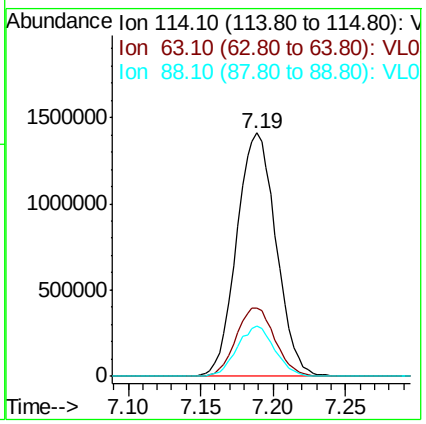


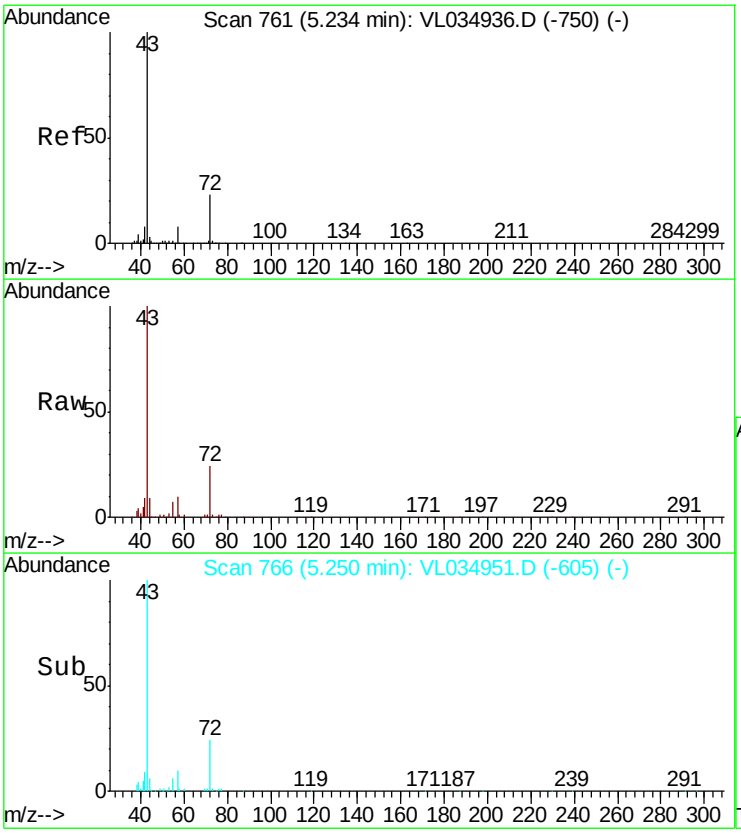
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2661756

Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.2	33.4
88	19.8	15.5	23.3

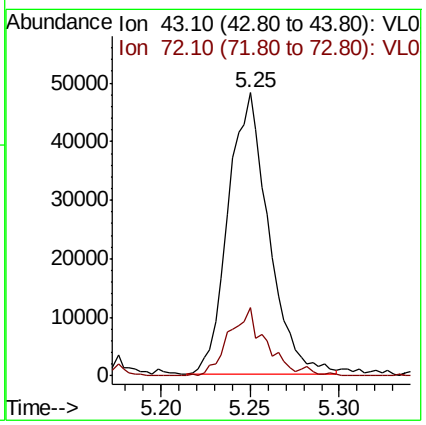


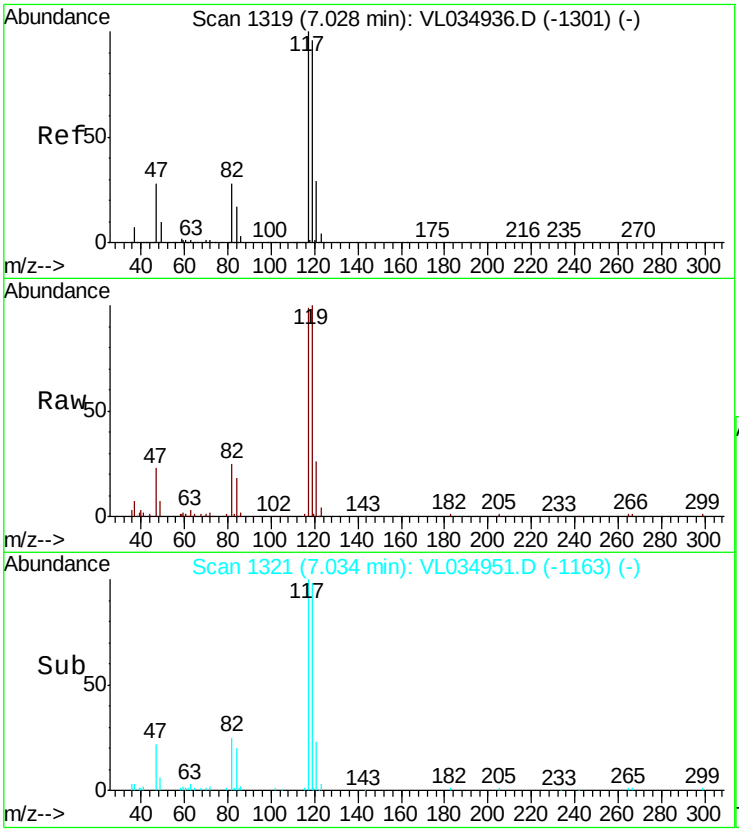


#34
2-Butanone
Concen: 0.463 ppbv
RT: 5.25 min Scan# 766
Delta R.T. 0.02 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 43 Resp: 76523

Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.0	27.0



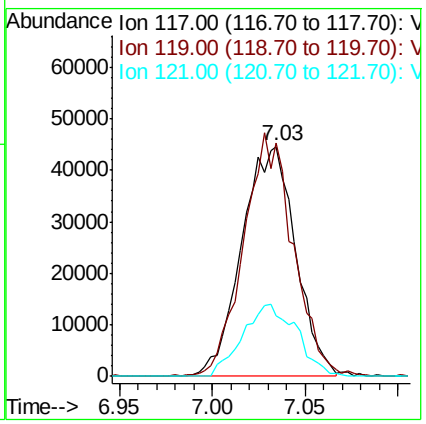


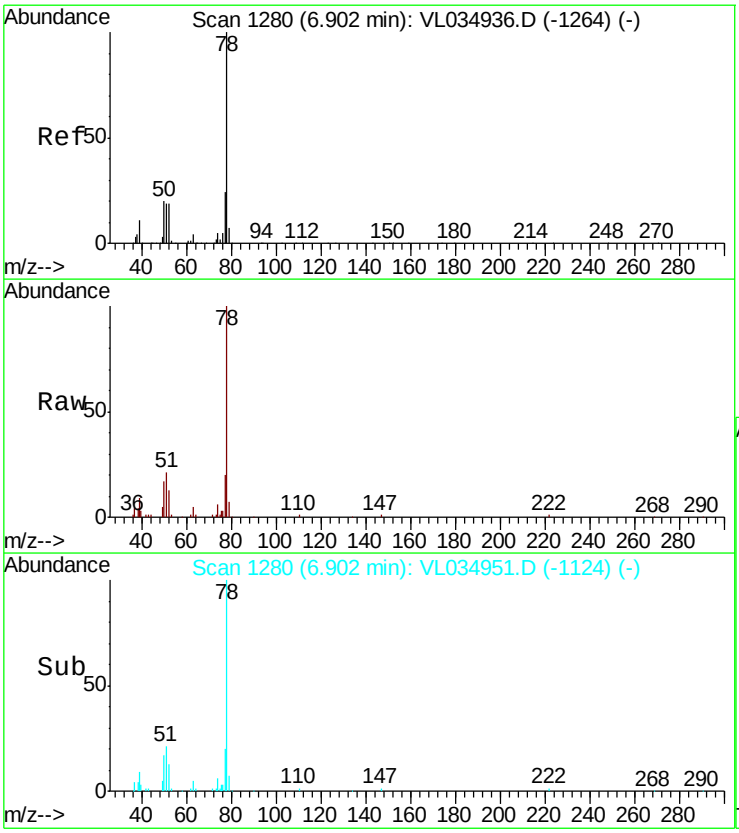
#35
Carbon Tetrachloride
Concen: 0.536 ppbv
RT: 7.03 min Scan# 1321
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 90010

Ion	Ratio	Lower	Upper
117	100		
119	101.4	77.0	115.6
121	26.3	23.0	34.6

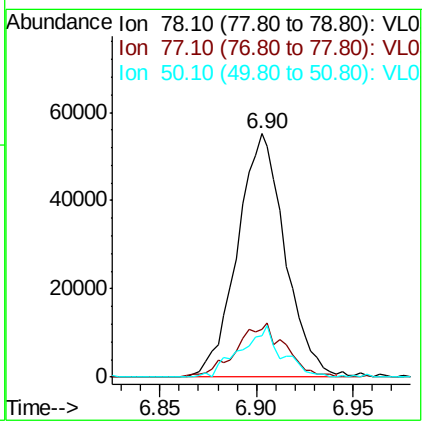


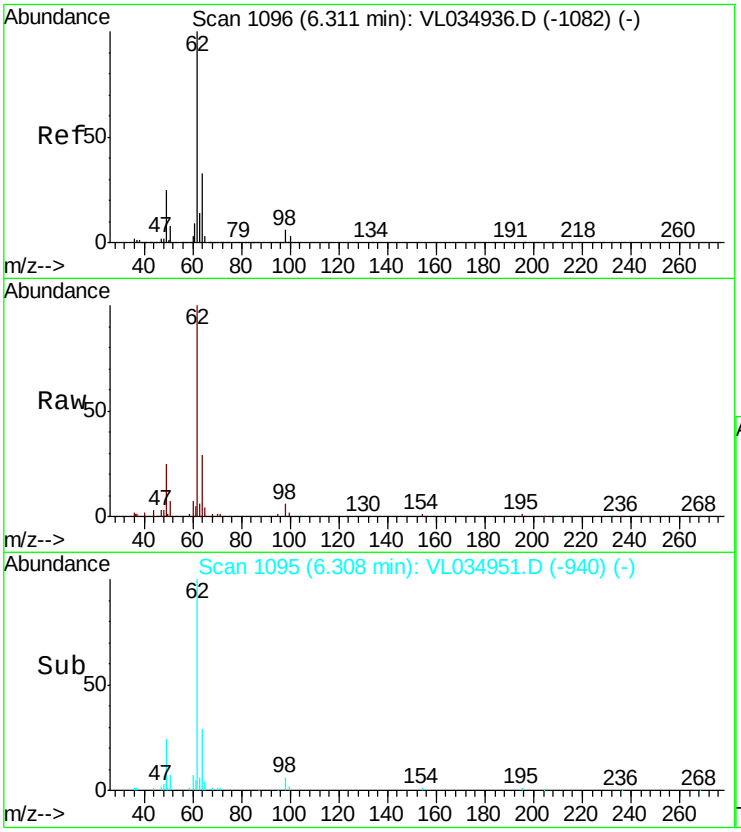


#36
Benzene
Concen: 0.429 ppbv
RT: 6.90 min Scan# 1280
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 78 Resp: 94226

Ion	Ratio	Lower	Upper
78	100		
77	19.2	19.0	28.6
50	17.0	15.8	23.8



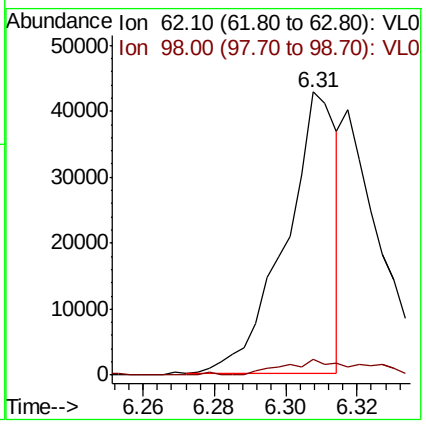


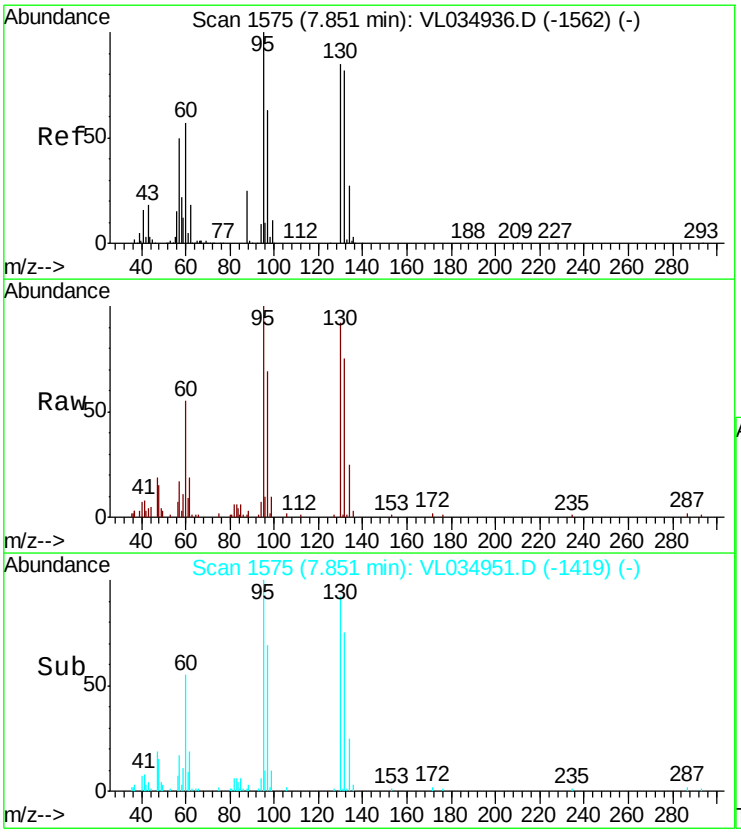
#37
1,2-Dichloroethane
Concen: 0.316 ppbv
RT: 6.31 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 42718

Ion	Ratio	Lower	Upper
62	100		
98	9.0	4.8	7.2#

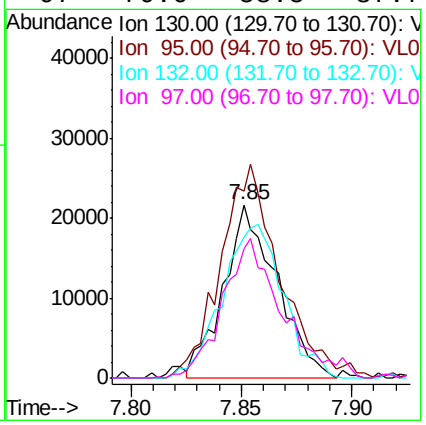


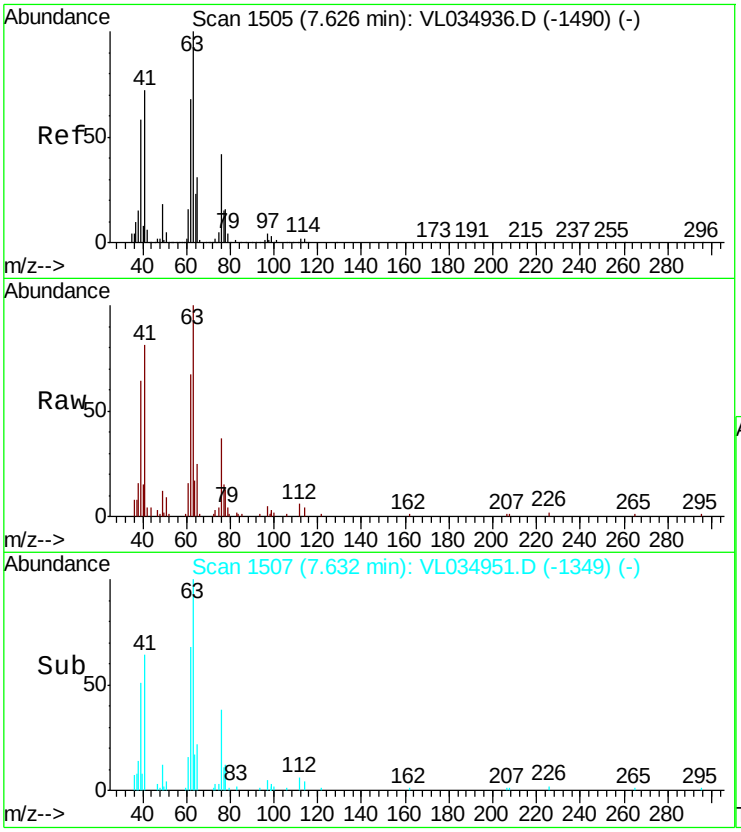


#38
Trichloroethene
Concen: 0.426 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion:130 Resp: 36223

Ion	Ratio	Lower	Upper
130	100		
95	103.0	93.4	140.0
132	82.3	76.4	114.6
97	70.0	58.5	87.7



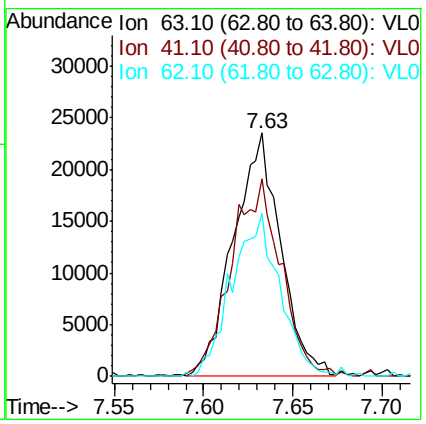


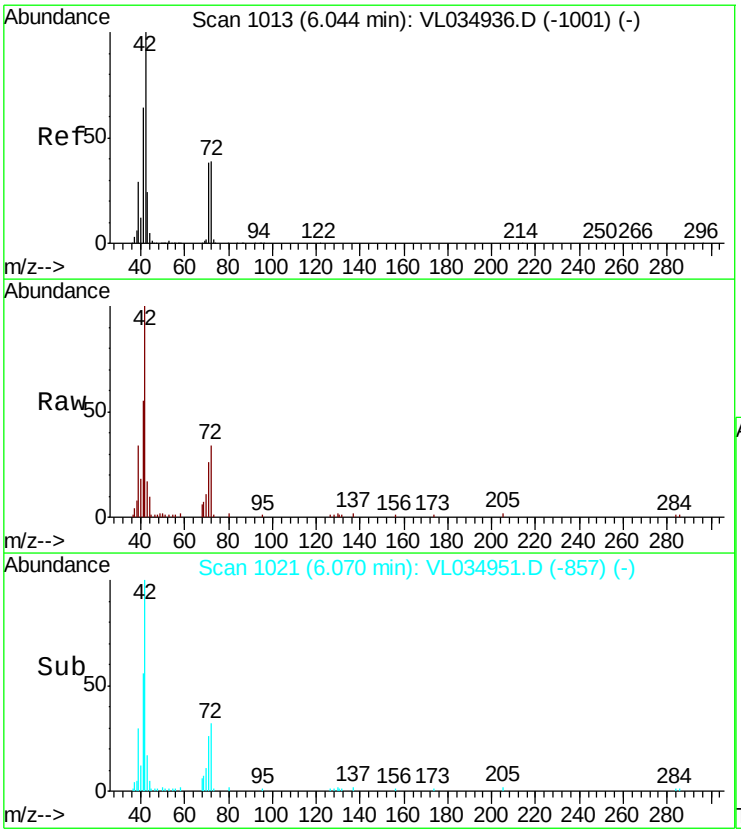
#39
1,2-Dichloropropane
Concen: 0.493 ppbv
RT: 7.63 min Scan# 1507
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 43338

Ion	Ratio	Lower	Upper
63	100		
41	80.4	57.8	86.8
62	66.3	54.2	81.2

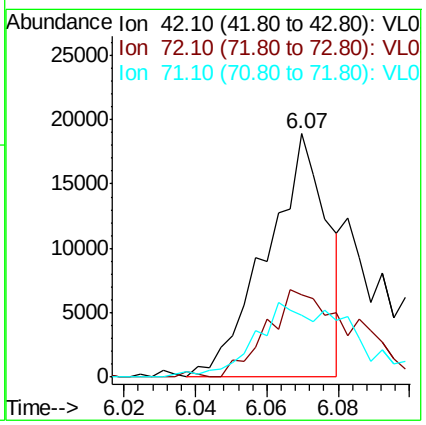


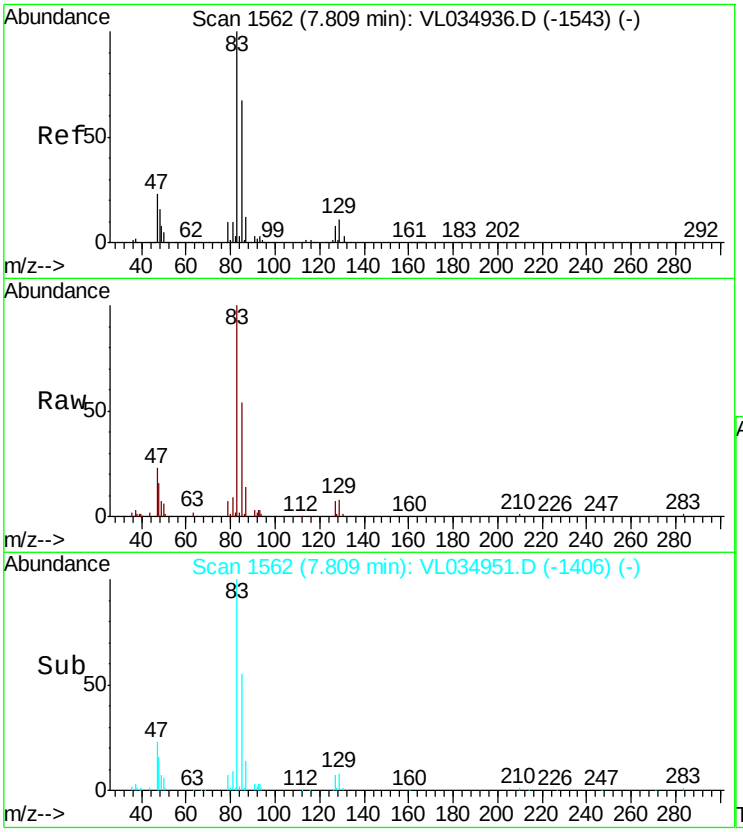


#41
Tetrahydrofuran
Concen: 0.254 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. 0.03 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 42 Resp: 22132

Ion	Ratio	Lower	Upper
42	100		
72	55.4	31.4	47.0#
71	50.4	29.8	44.8#



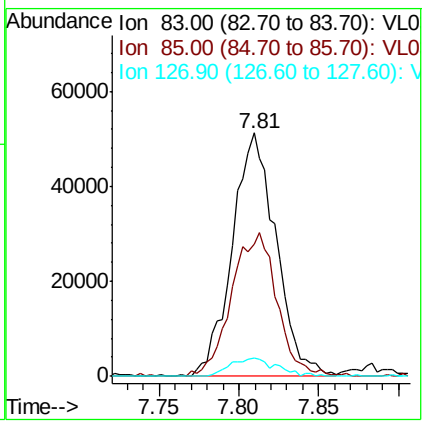


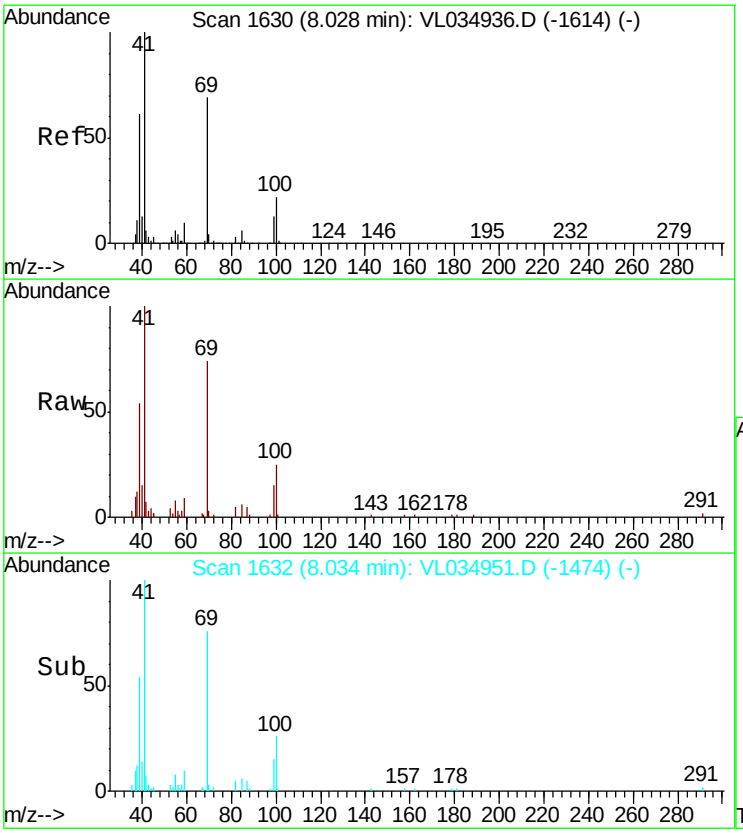
#42
Bromodichloromethane
Concen: 0.519 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 94710

Ion	Ratio	Lower	Upper
83	100		
85	54.3	53.4	80.0
127	7.4	6.1	9.1

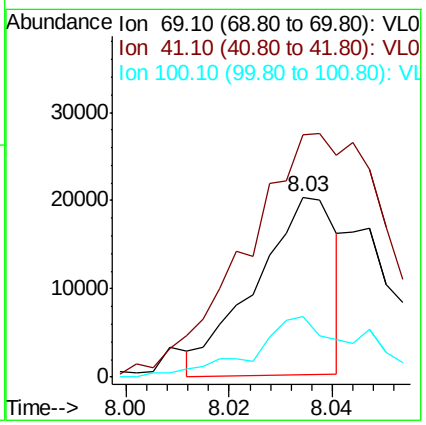


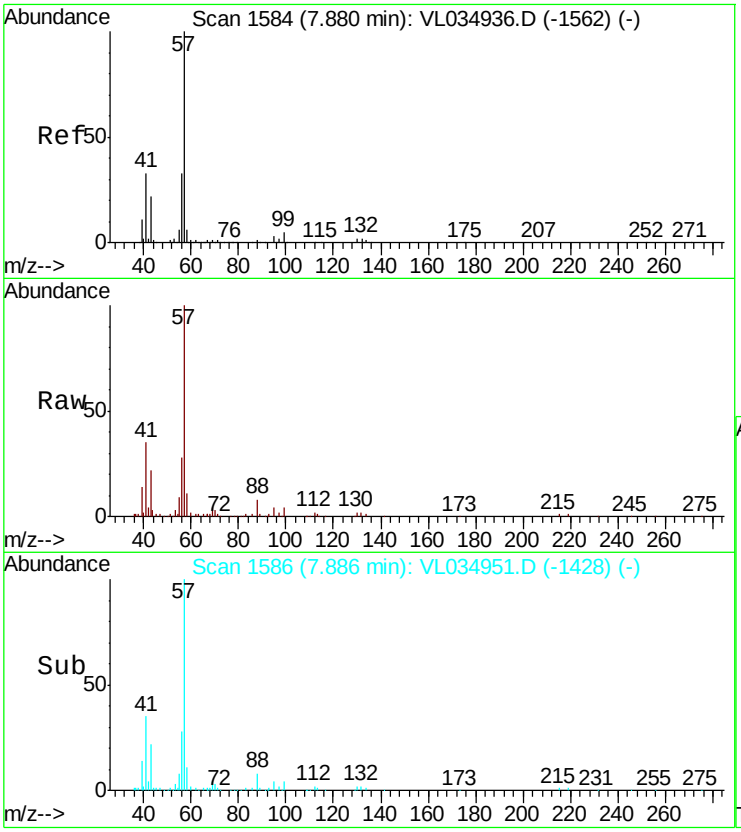


#43
Methyl Methacrylate
Concen: 0.233 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 69 Resp: 21608

Ion	Ratio	Lower	Upper
69	100		
41	263.0	119.8	179.6#
100	48.3	25.0	37.6#



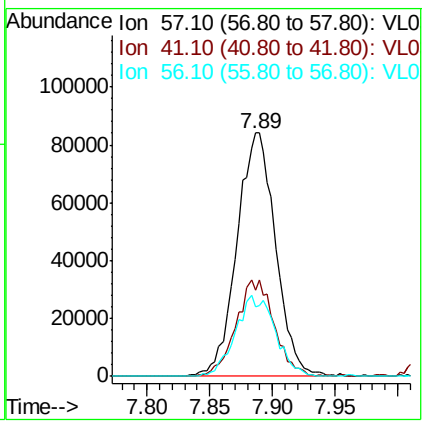


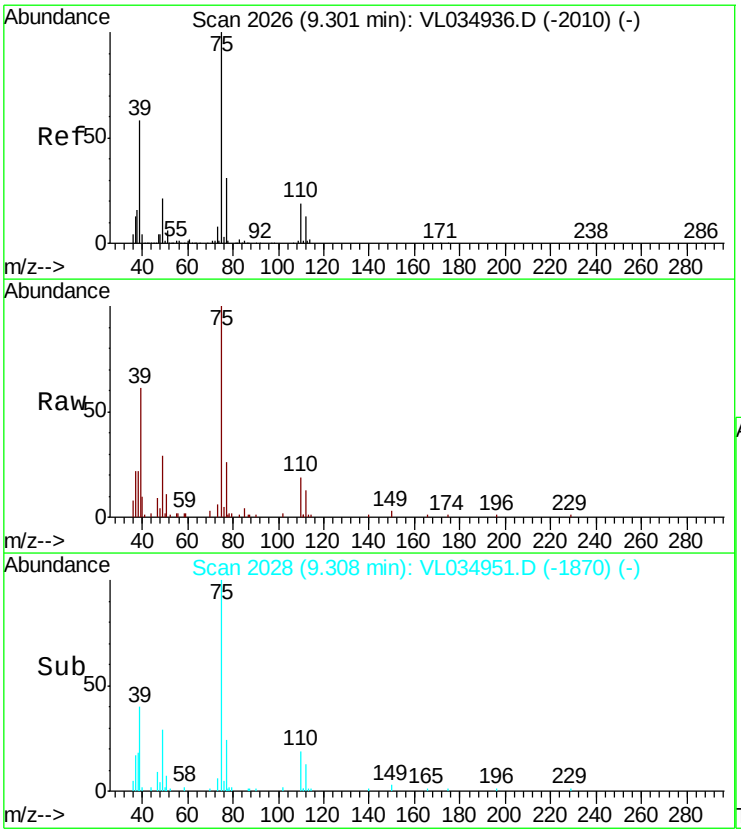
#44
2,2,4-Trimethylpentane
Concen: 0.462 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 180081

Ion	Ratio	Lower	Upper
57	100		
41	39.0	26.4	39.6
56	34.0	25.5	38.3

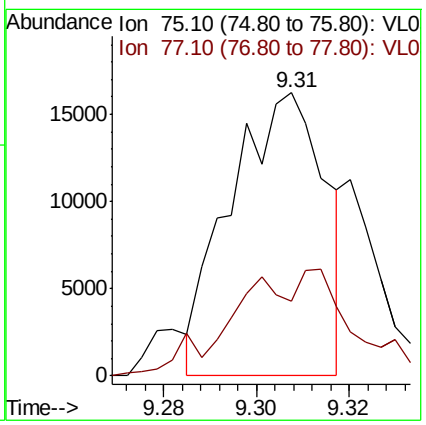


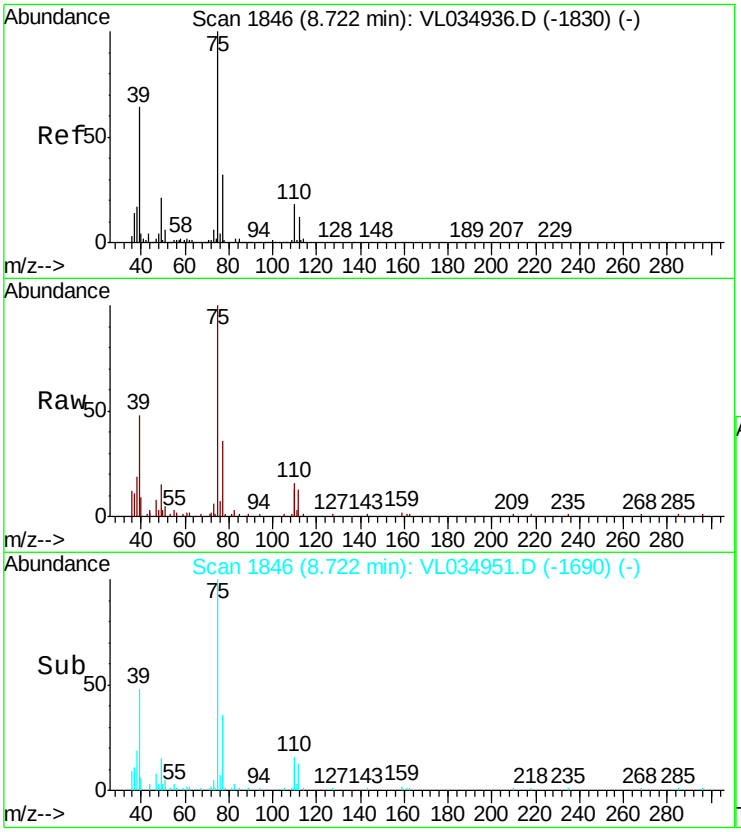


#45
t-1,3-Dichloropropene
Concen: 0.246 ppbv
RT: 9.31 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 75 Resp: 23042

Ion	Ratio	Lower	Upper
75	100		
77	27.7	24.9	37.3



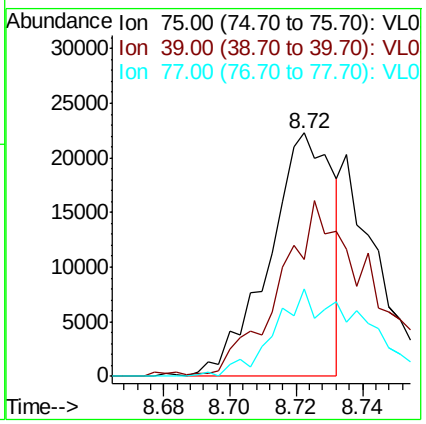


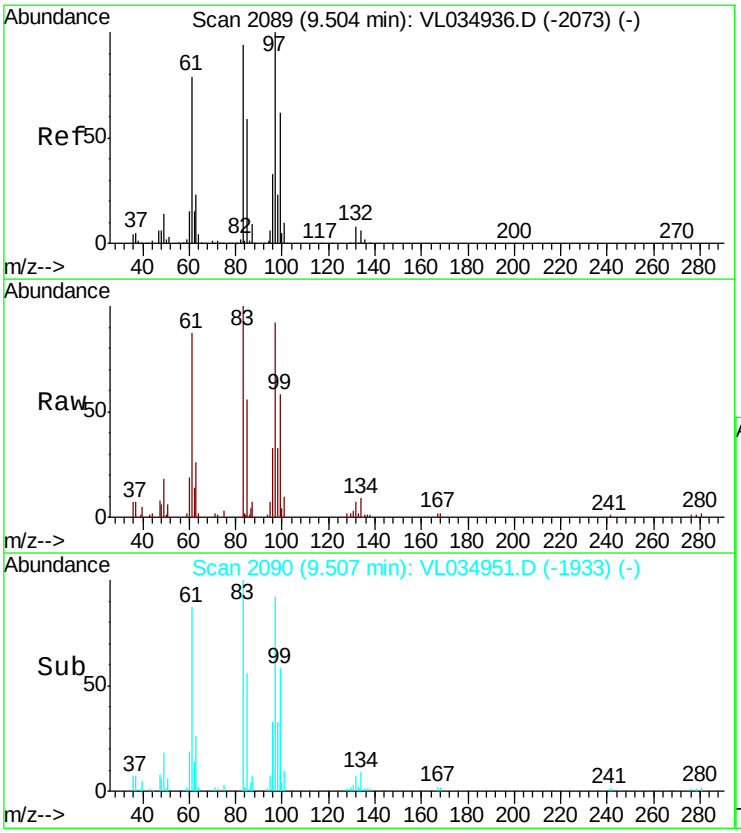
#46
cis-1,3-Dichloropropene
Concen: 0.261 ppbv
RT: 8.72 min Scan# 1846
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 75 Resp: 29941

Ion	Ratio	Lower	Upper
75	100		
39	47.2	51.5	77.3#
77	35.8	25.5	38.3

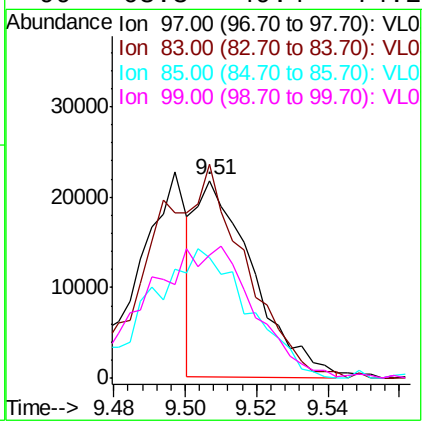


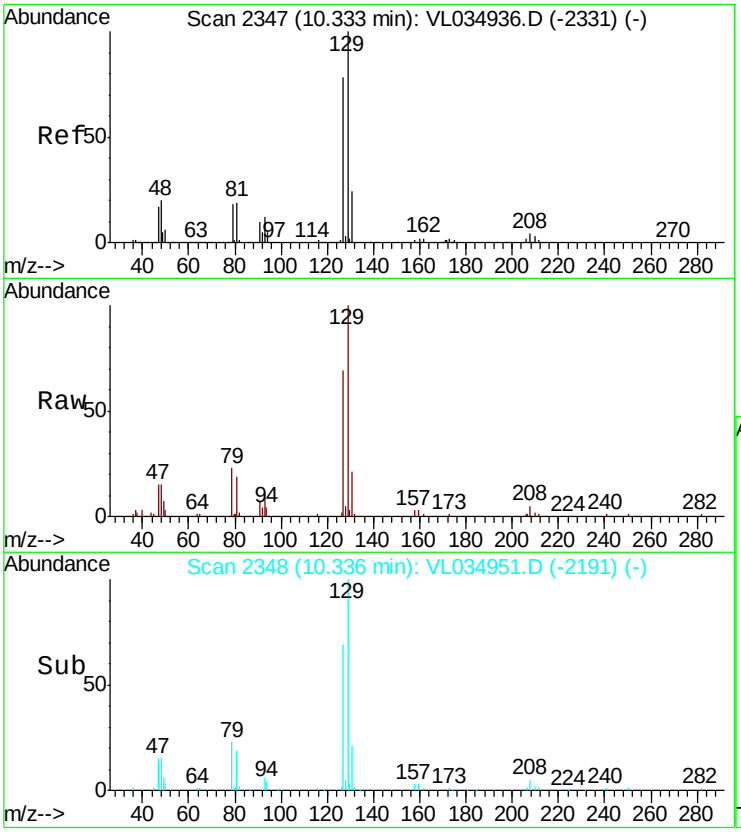


#47
1,1,2-Trichloroethane
Concen: 0.260 ppbv
RT: 9.51 min Scan# 2090
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 97 Resp: 24164

Ion	Ratio	Lower	Upper
97	100		
83	110.1	75.6	113.4
85	62.4	47.0	70.6
99	63.3	49.4	74.2



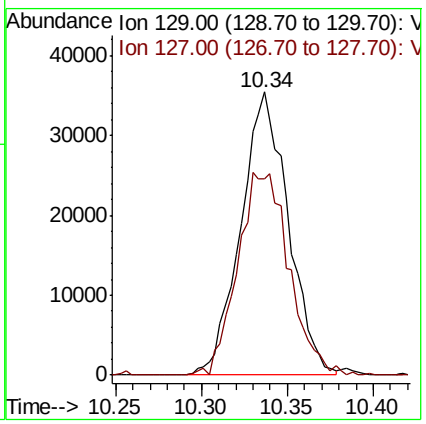


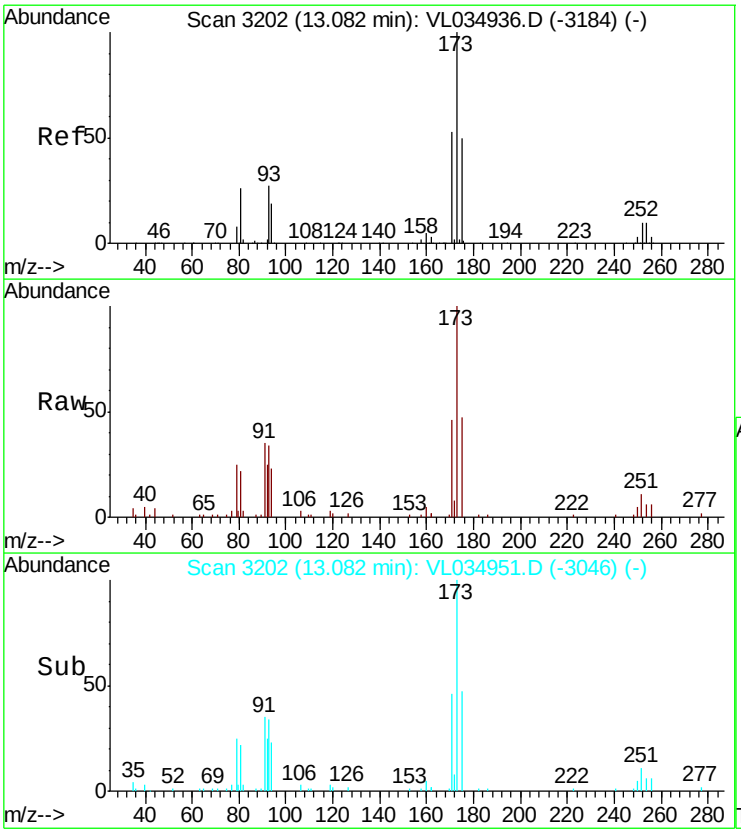
#48
Dibromochloromethane
Concen: 0.477 ppbv
RT: 10.34 min Scan# 2348
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:129 Resp: 68061

Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.1	117.2

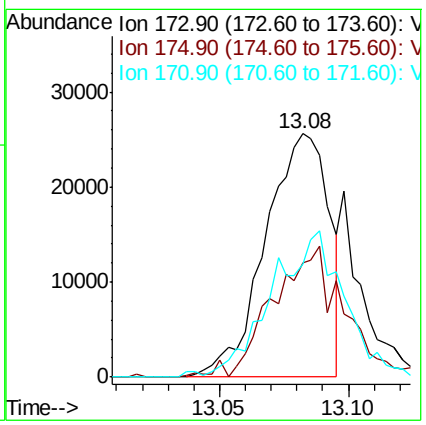


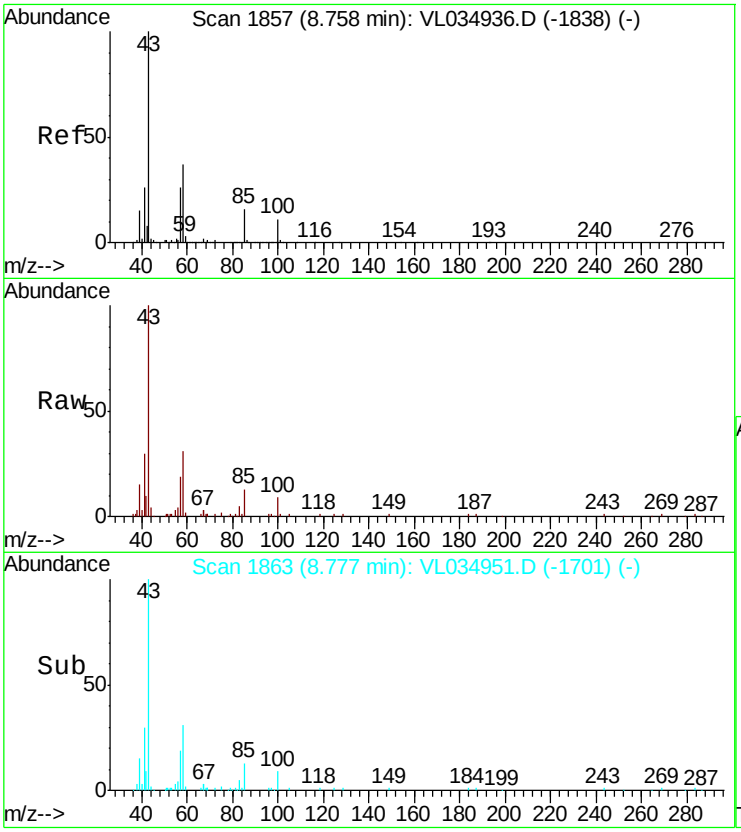


#49
Bromoform
Concen: 0.357 ppbv
RT: 13.08 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion:173 Resp: 43909

Ion	Ratio	Lower	Upper
173	100		
175	60.4	39.0	58.6#
171	69.3	41.4	62.2#



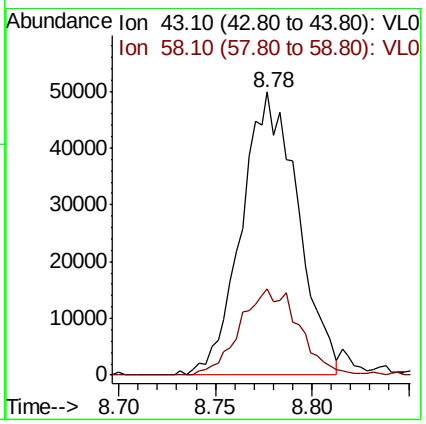


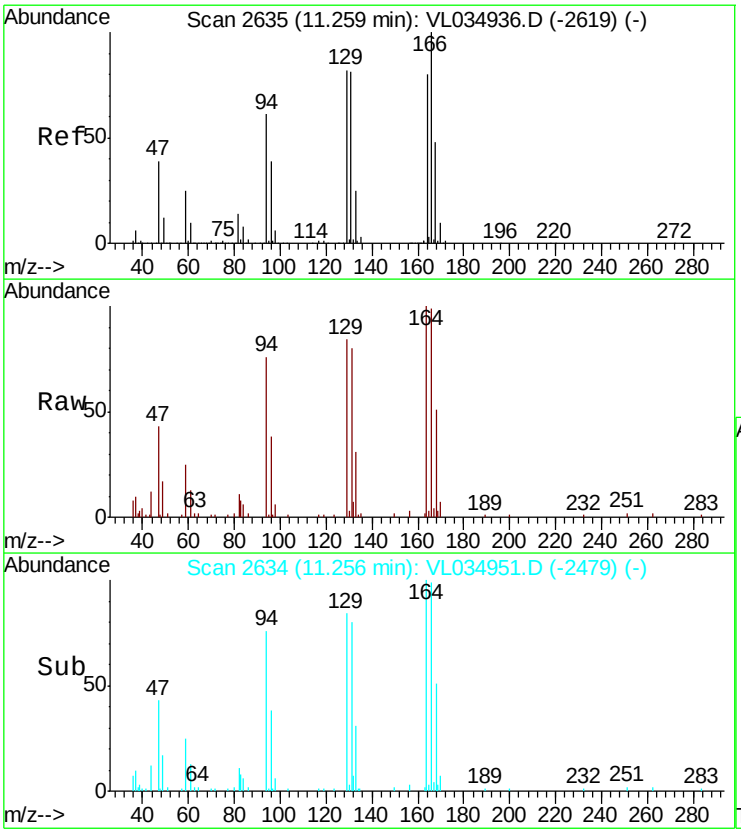
#50
4-Methyl-2-Pentanone
Concen: 0.424 ppbv
RT: 8.78 min Scan# 1863
Delta R.T. 0.02 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 100003

Ion	Ratio	Lower	Upper
43	100		
58	32.5	29.1	43.7

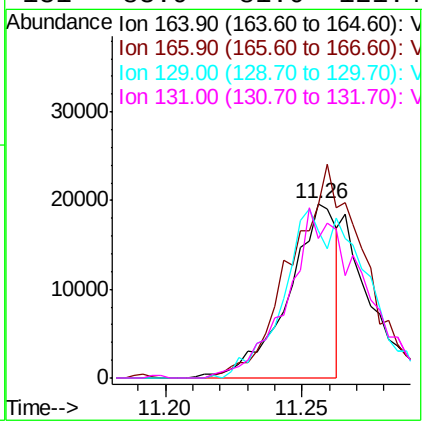


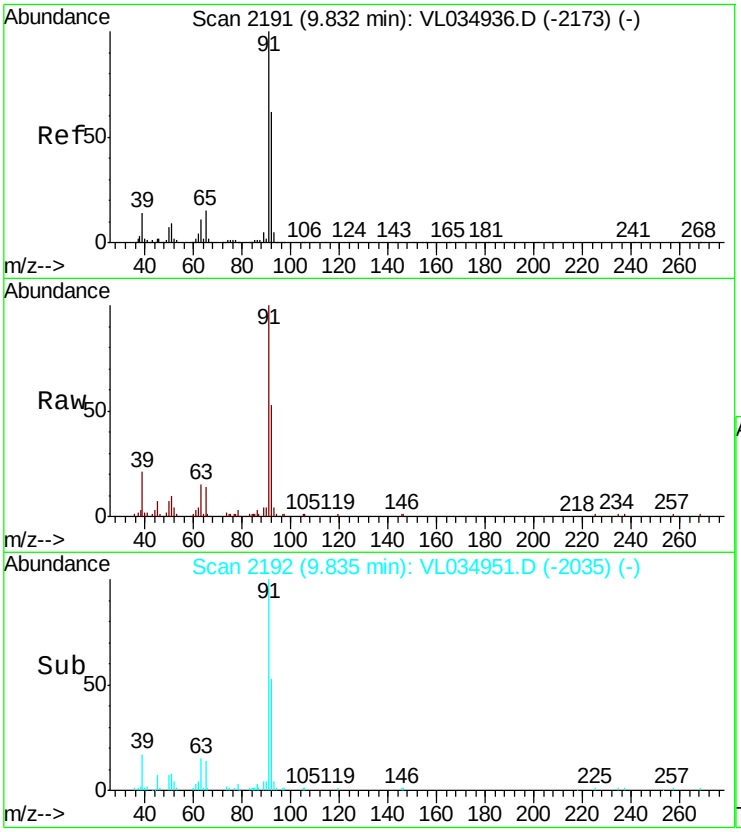


#52
Tetrachloroethene
Concen: 0.307 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. -0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion:164 Resp: 23918

Ion	Ratio	Lower	Upper
164	100		
166	95.7	100.7	151.1#
129	81.6	83.0	124.4#
131	83.9	81.0	121.4



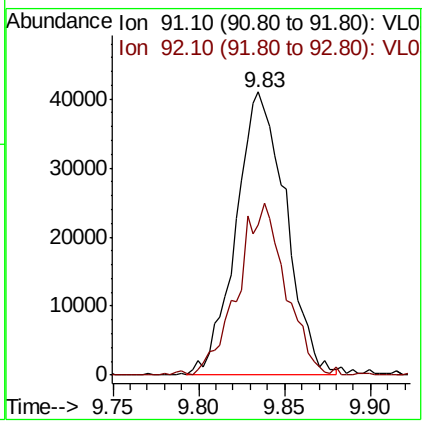


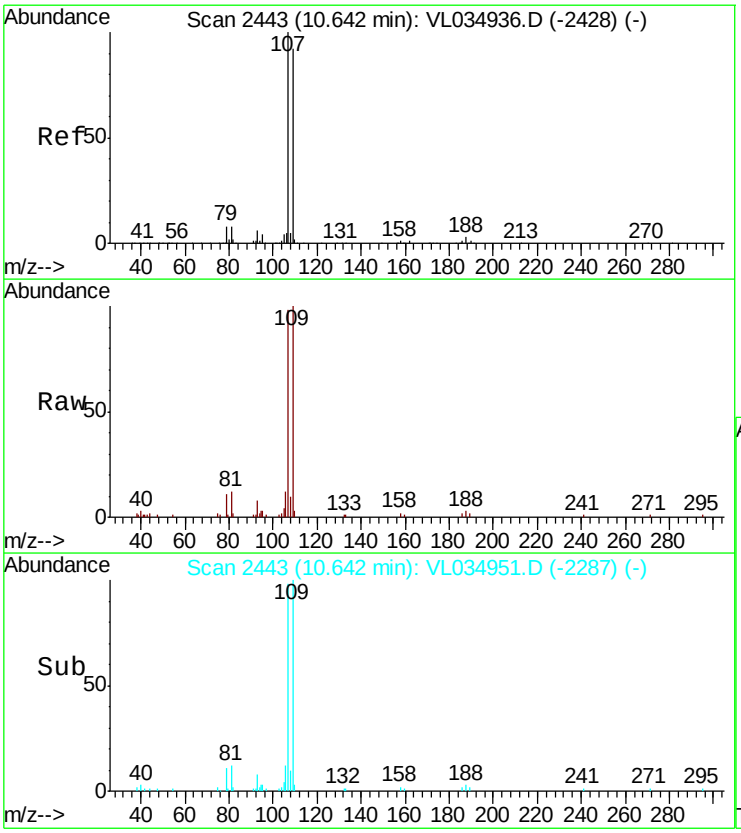
#53
Toluene
Concen: 0.355 ppbv
RT: 9.83 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 82524

Ion	Ratio	Lower	Upper
91	100		
92	58.5	48.6	73.0

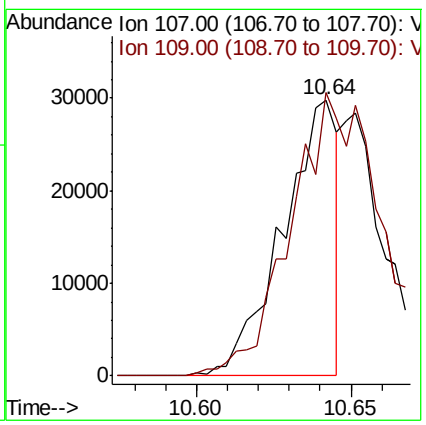


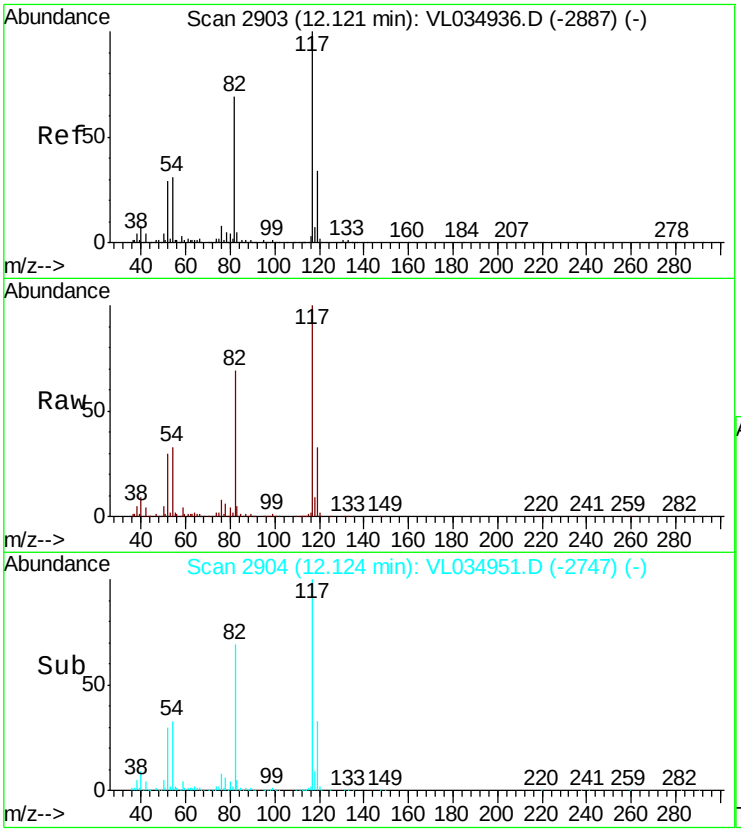


#54
1,2-Dibromoethane
Concen: 0.265 ppbv
RT: 10.64 min Scan# 2443
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion:107 Resp: 36097

Ion	Ratio	Lower	Upper
107	100		
109	102.5	73.2	109.8



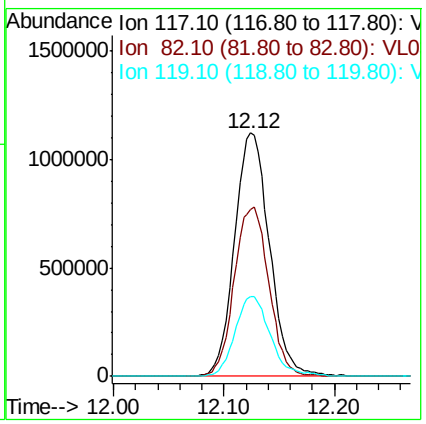


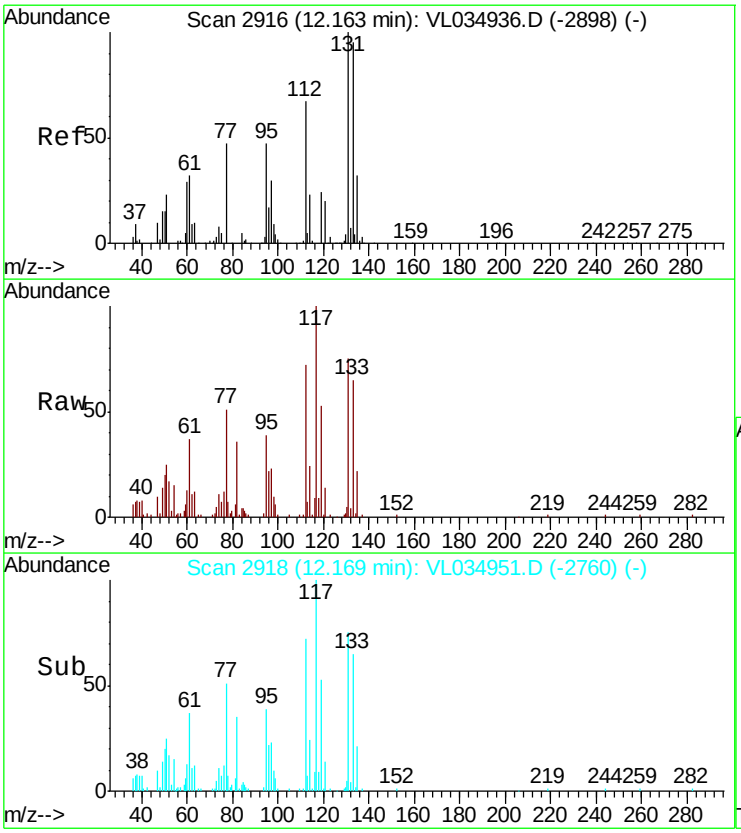
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2461870

Ion	Ratio	Lower	Upper
117	100		
82	69.3	53.1	79.7
119	33.4	26.7	40.1

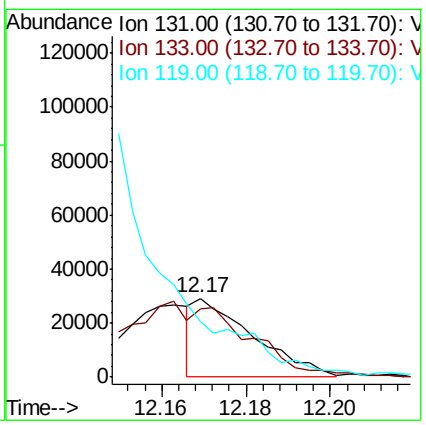


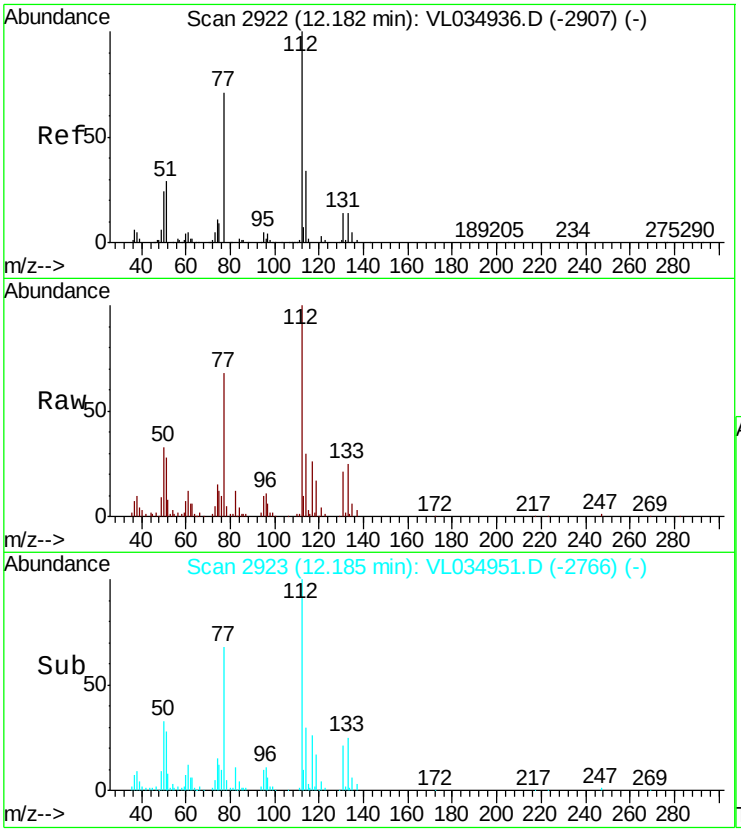


#56
1,1,1,2-Tetrachloroethane
Concen: 0.254 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion:131 Resp: 28196

Ion	Ratio	Lower	Upper
131	100		
133	0.0	77.7	116.5#
119	0.0	49.8	74.6#



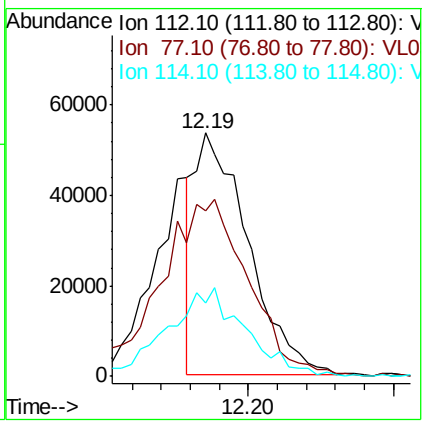


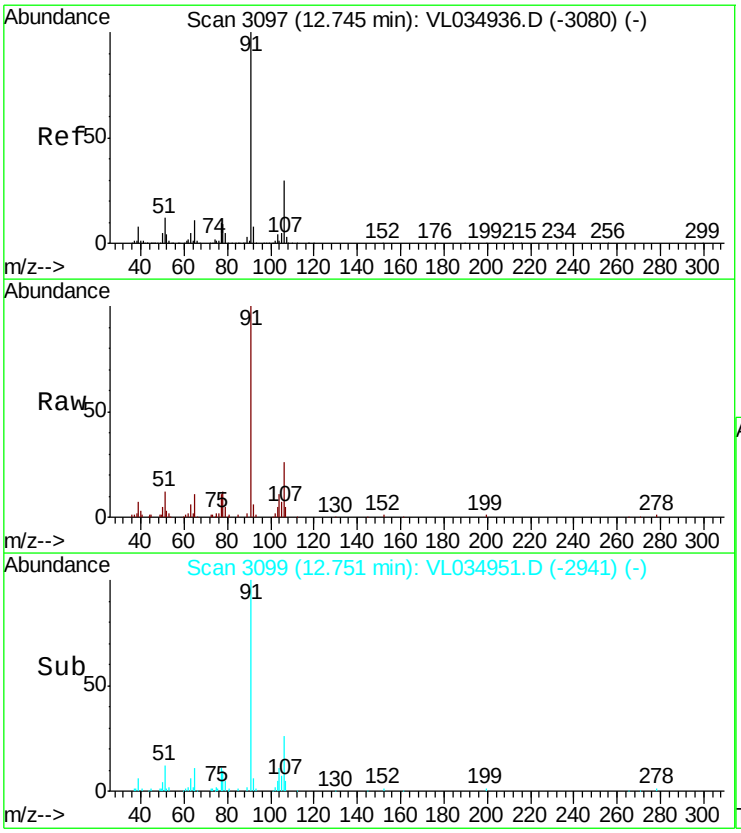
#57
Chlorobenzene
Concen: 0.349 ppbv
RT: 12.19 min Scan# 2923
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:112 Resp: 68034

Ion	Ratio	Lower	Upper
112	100		
77	67.5	57.0	85.6
114	29.5	30.8	37.6#

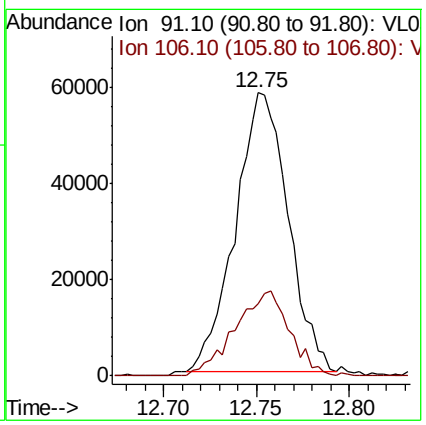


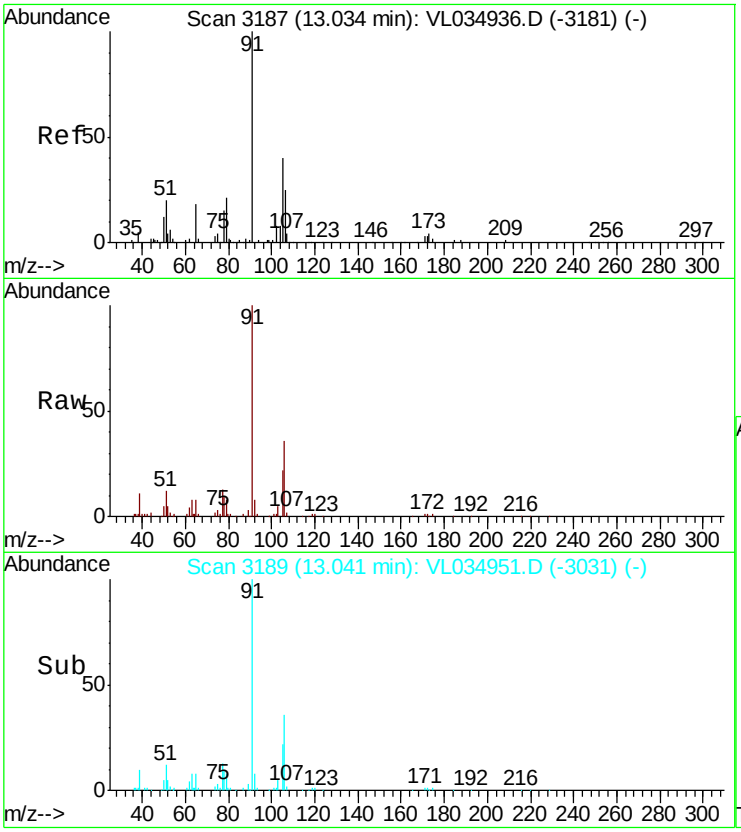


#58
Ethyl Benzene
Concen: 0.379 ppbv
RT: 12.75 min Scan# 3099
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 91 Resp: 115496

Ion	Ratio	Lower	Upper
91	100		
106	25.9	24.2	36.4



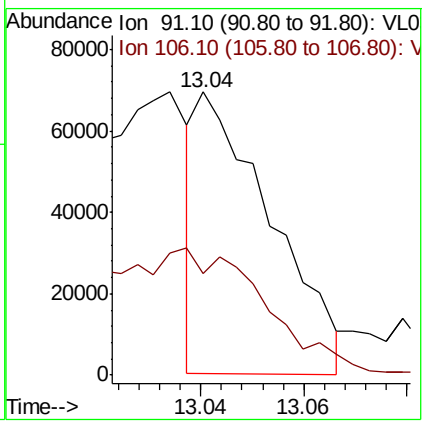


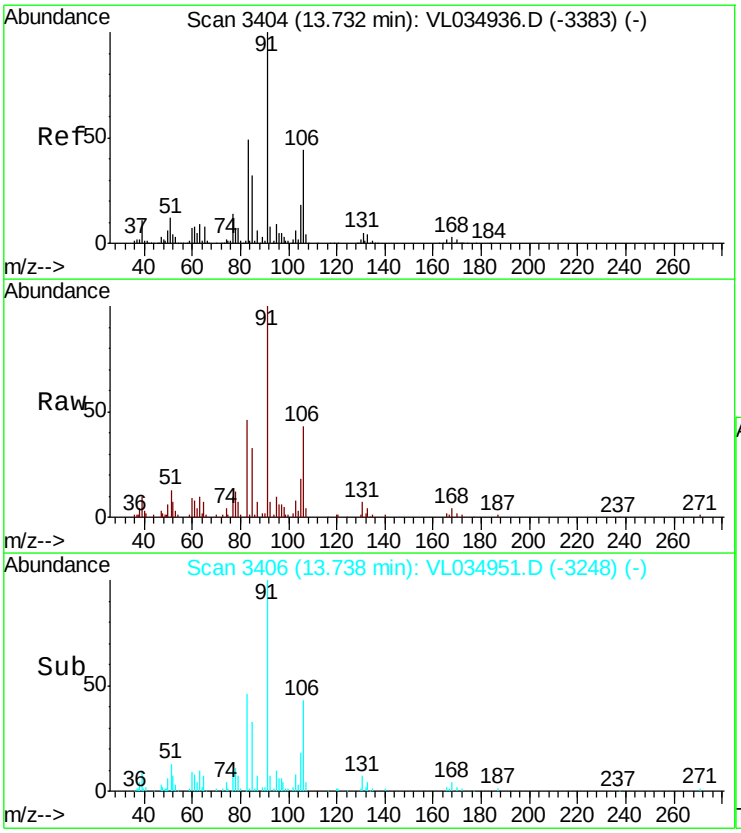
#59
m/p-Xylene
Concen: 0.259 ppbv
RT: 13.04 min Scan# 3189
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 69395

Ion	Ratio	Lower	Upper
91	100		
106	149.7	66.0	99.0#

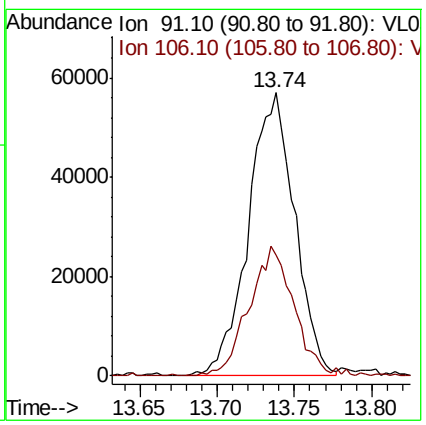


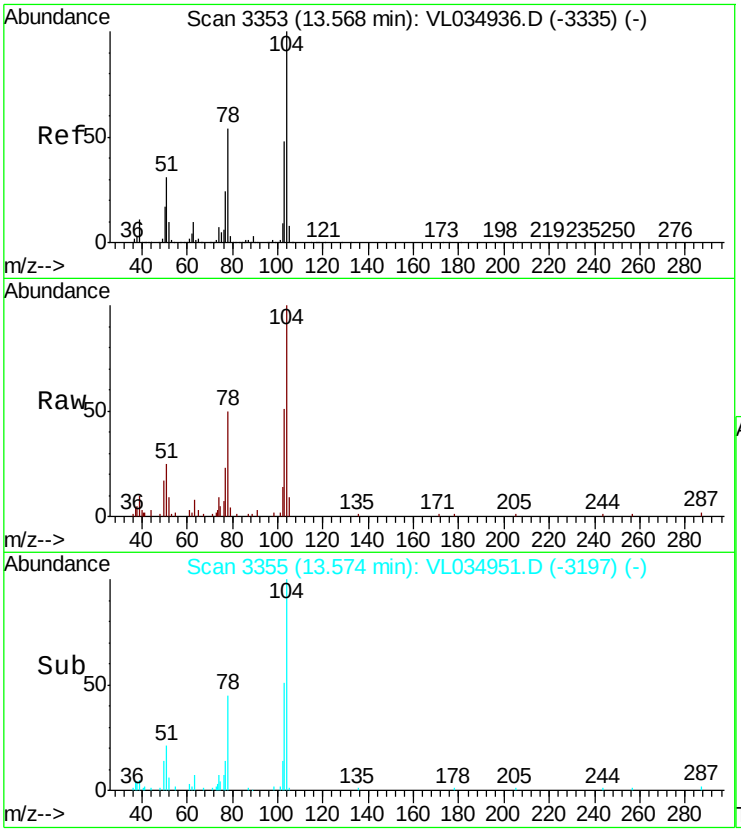


#60
o-Xylene
Concen: 0.449 ppbv
RT: 13.74 min Scan# 3406
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 91 Resp: 118668

Ion	Ratio	Lower	Upper
91	100		
106	45.0	21.9	65.5



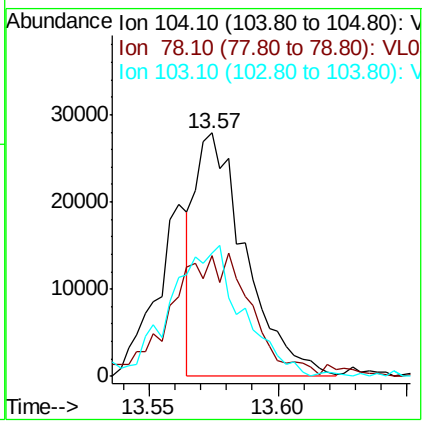


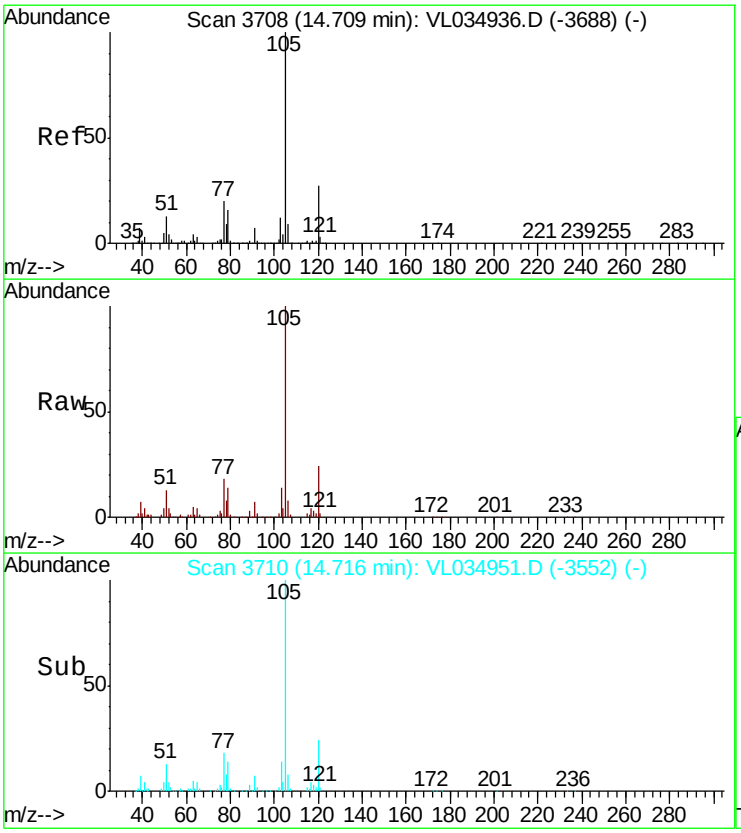
#61
Stvrene
Concen: 0.226 ppbv
RT: 13.57 min Scan# 3355
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:104 Resp: 37772

Ion	Ratio	Lower	Upper
104	100		
78	84.0	43.7	65.5#
103	79.4	38.8	58.2#

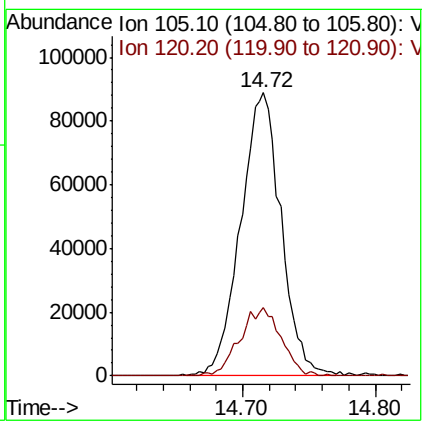


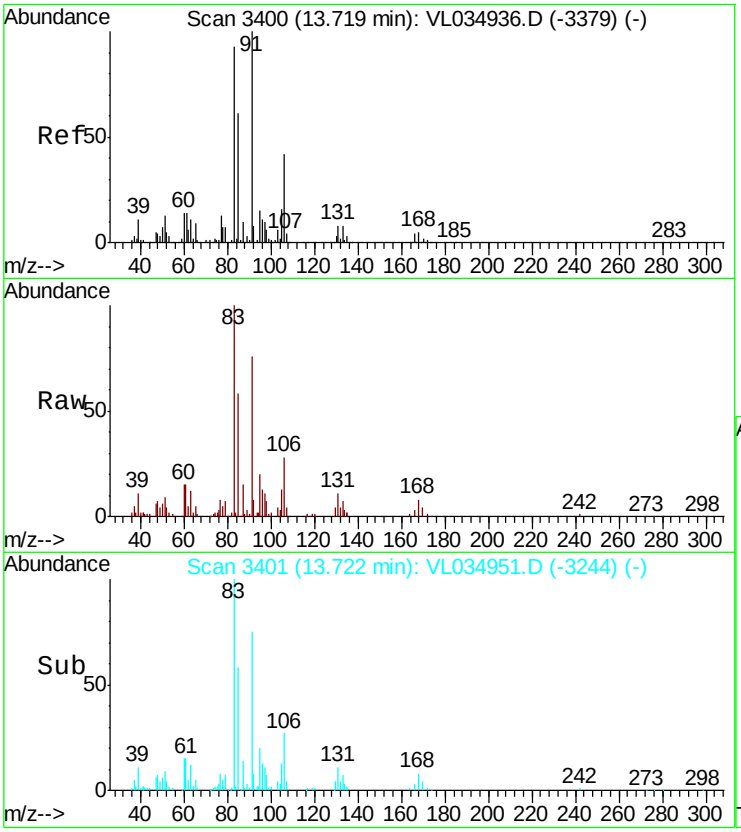


#62
Isopropylbenzene
Concen: 0.477 ppbv
RT: 14.72 min Scan# 3710
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion:105 Resp: 188291

Ion	Ratio	Lower	Upper
105	100		
120	24.6	20.6	31.0



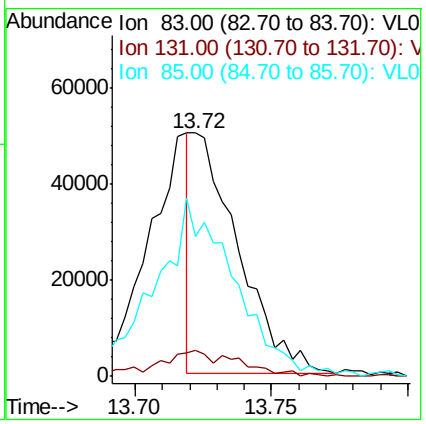


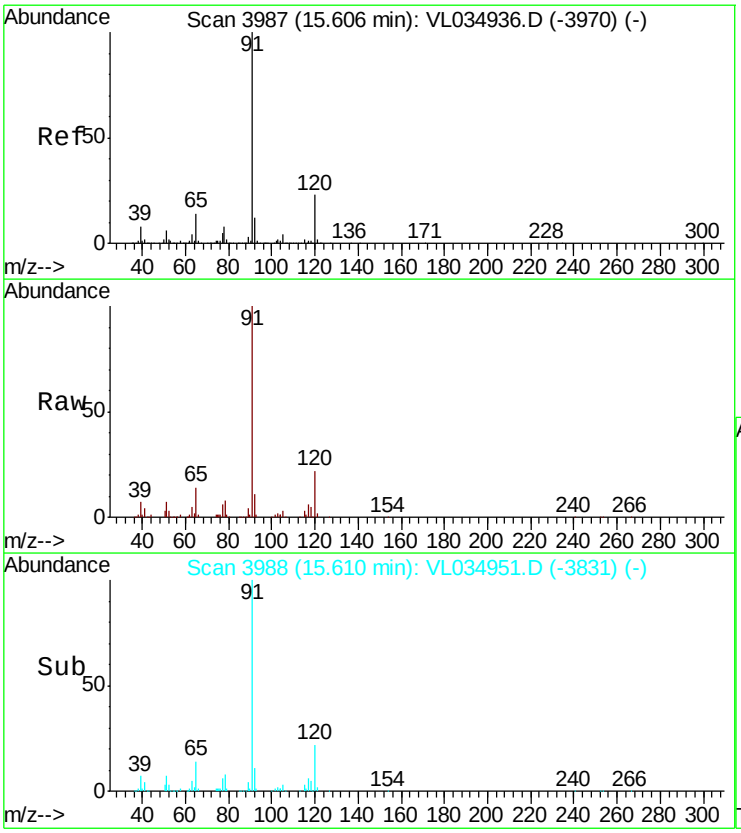
#63
1,1,2,2-Tetrachloroethane
Concen: 0.280 ppbv
RT: 13.72 min Scan# 3401
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 83 Resp: 58252

Ion	Ratio	Lower	Upper
83	100		
131	19.9	4.7	14.0#
85	128.8	32.5	97.4#

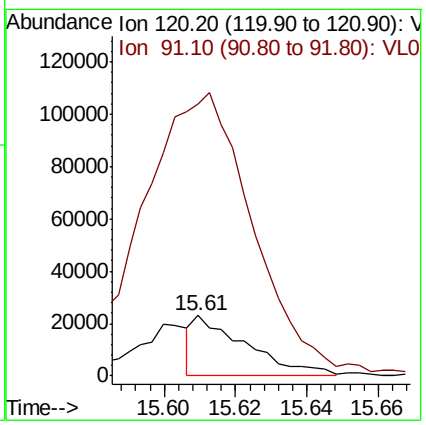


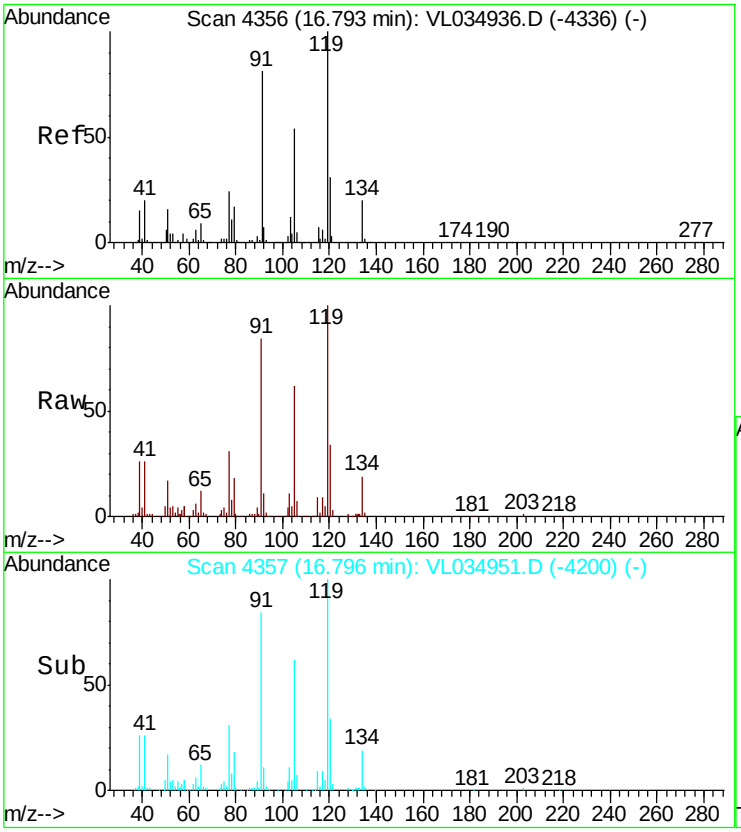


#64
n-propylbenzene
Concen: 0.235 ppbv
RT: 15.61 min Scan# 3988
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion:120 Resp: 23780

Ion	Ratio	Lower	Upper
120	100		
91	1006.6	373.5	560.3#



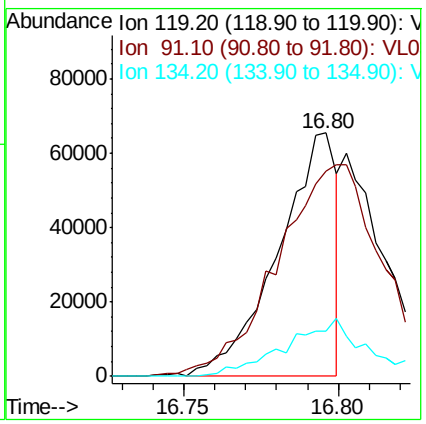


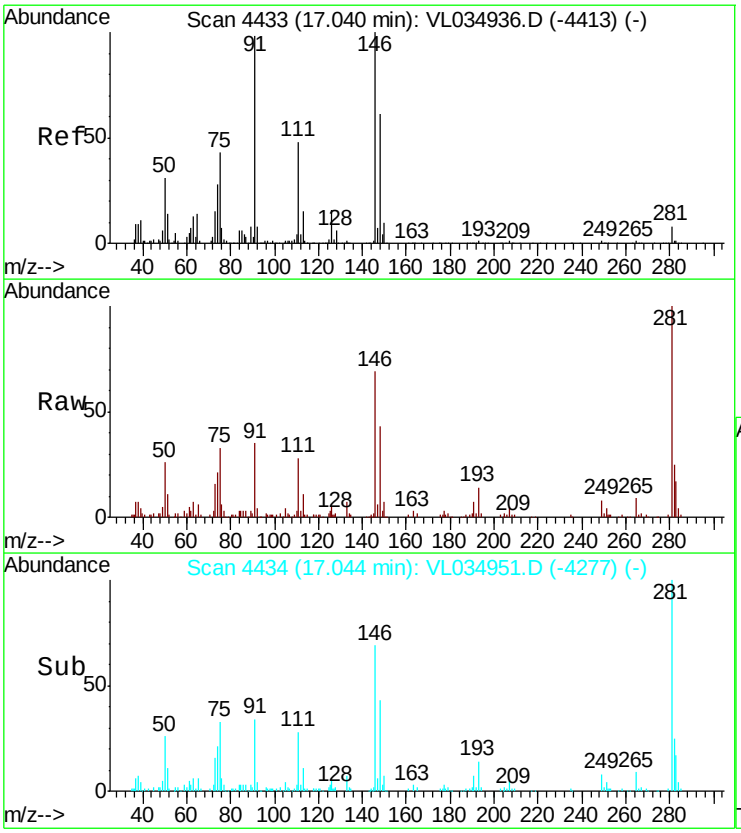
#65
tert-Butylbenzene
Concen: 0.249 ppbv
RT: 16.80 min Scan# 4357
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 85348

Ion	Ratio	Lower	Upper
119	100		
91	0.0	67.5	101.3#
134	0.0	16.1	24.1#

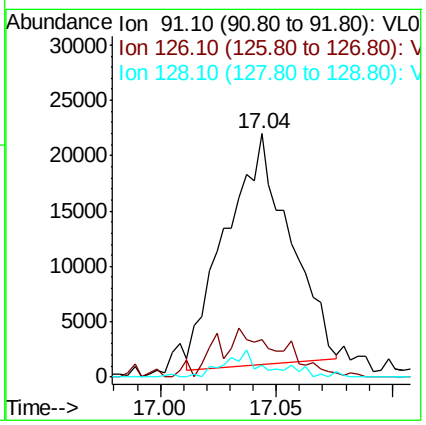


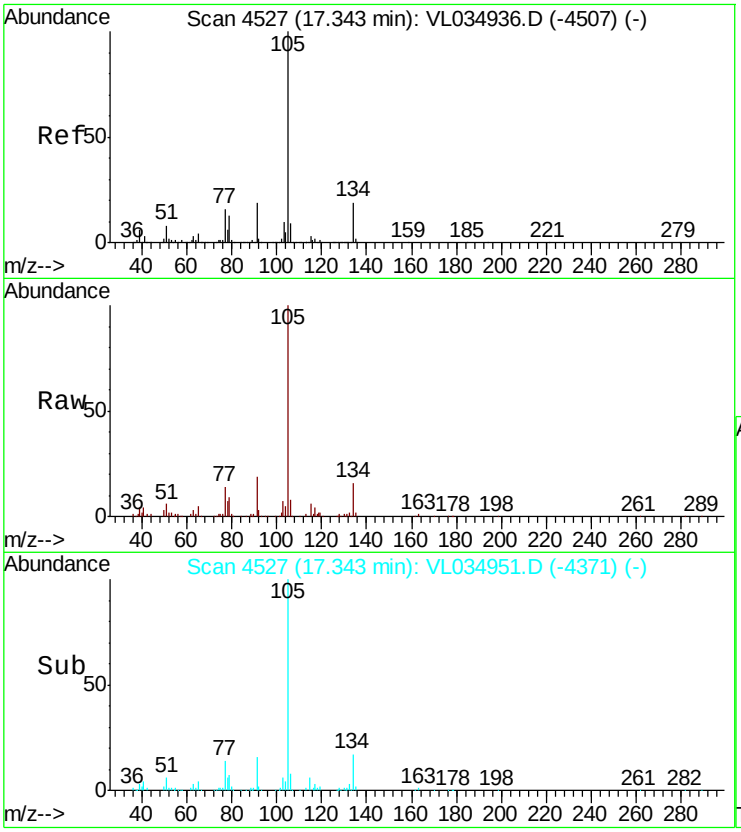


#66
Benzyl Chloride
Concen: 0.345 ppbv
RT: 17.04 min Scan# 4434
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 91 Resp: 40090

Ion	Ratio	Lower	Upper
91	100		
126	23.0	13.8	20.6#
128	7.8	4.3	6.5#



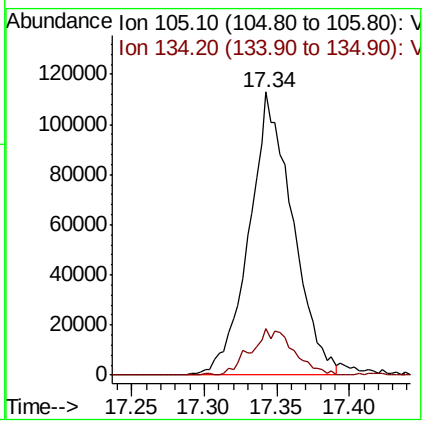


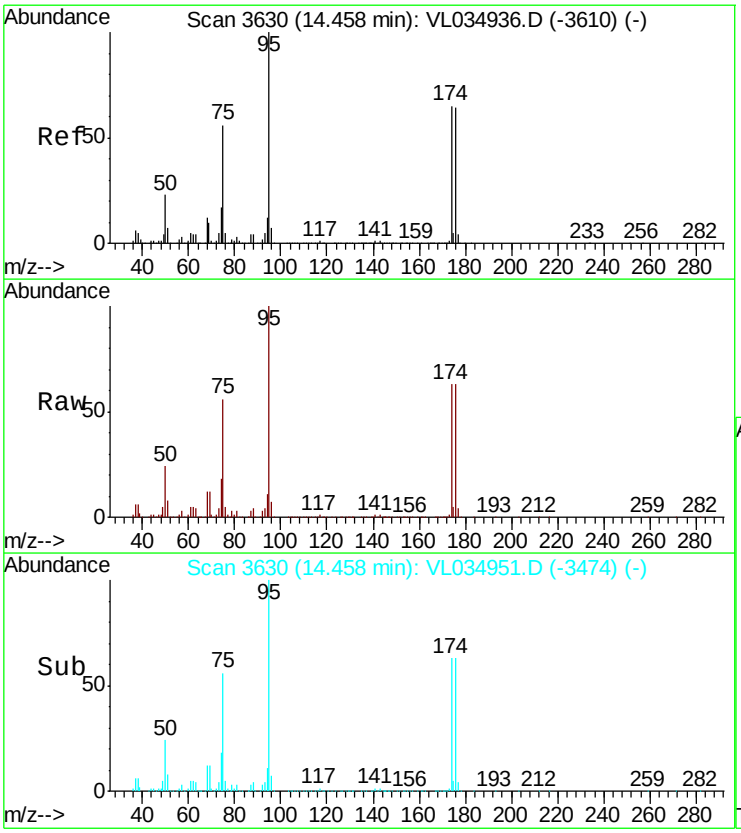
#67
sec-Butylbenzene
Concen: 0.481 ppbv
RT: 17.34 min Scan# 4527
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 235112

Ion	Ratio	Lower	Upper
105	100		
134	16.6	14.8	22.2

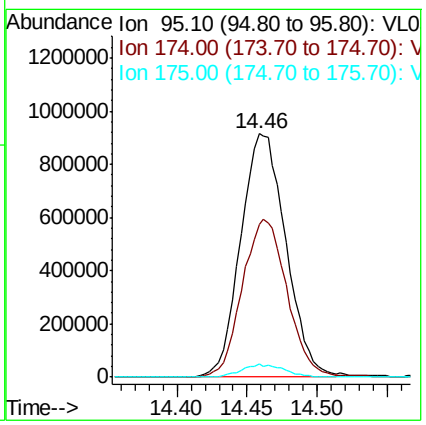


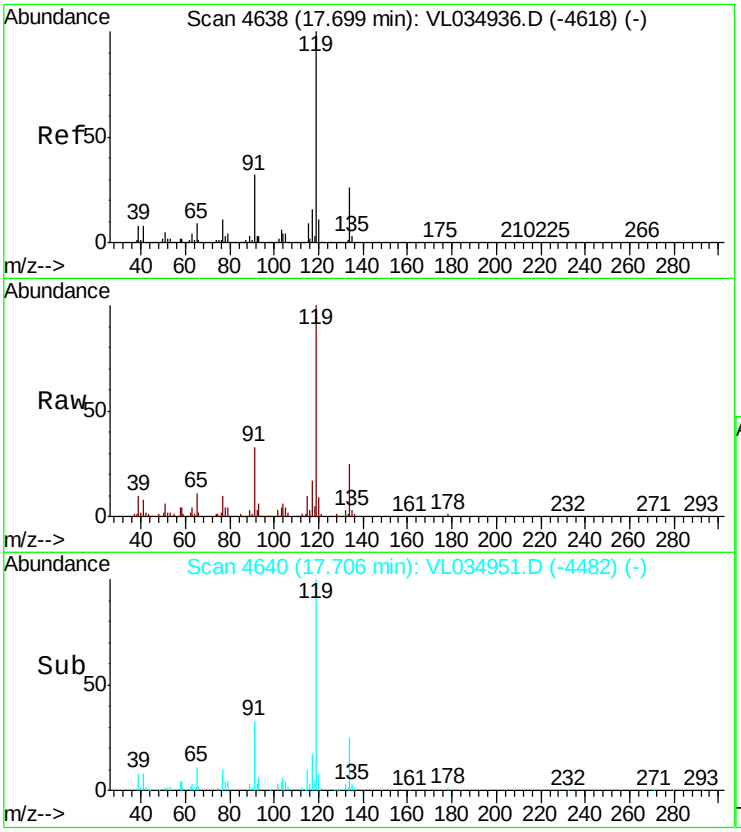


#68
1-Bromo-4-Fluorobenzene
Concen: 10.286 ppbv
RT: 14.46 min Scan# 3630
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 95 Resp: 2049701

Ion	Ratio	Lower	Upper
95	100		
174	65.1	51.5	77.3
175	5.0	3.8	5.8



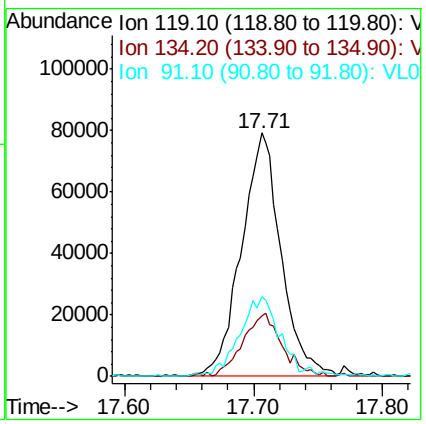


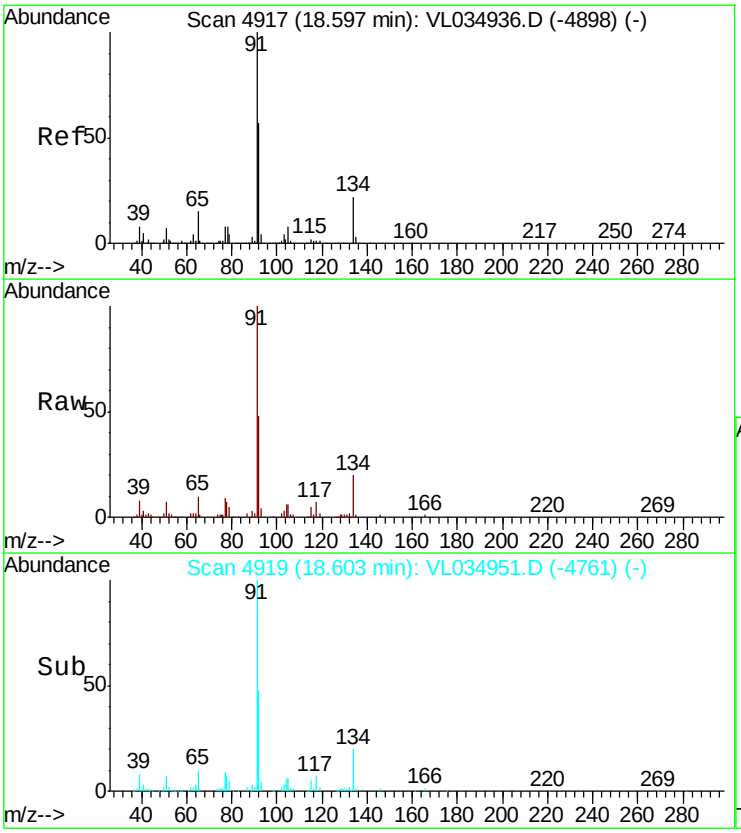
#69
p-Isopropyltoluene
Concen: 0.429 ppbv
RT: 17.71 min Scan# 4640
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:119 Resp: 169603

Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.3	30.5
91	34.5	24.6	36.8

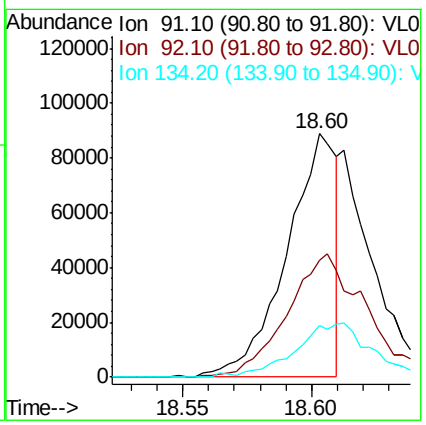


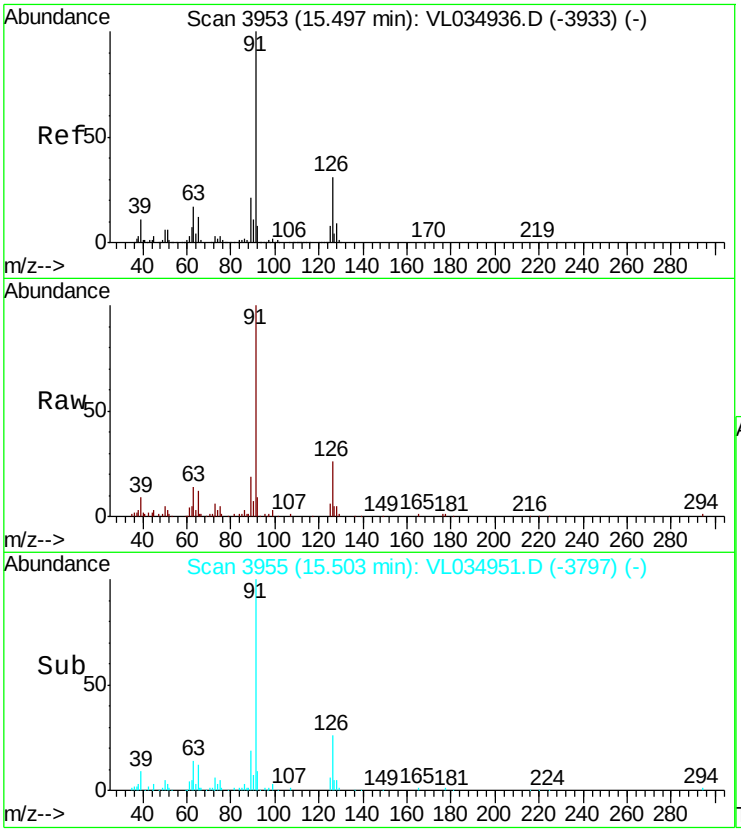


#70
n-Butylbenzene
Concen: 0.282 ppbv
RT: 18.60 min Scan# 4919
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion: 91 Resp: 118573

Ion	Ratio	Lower	Upper
91	100		
92	81.1	44.4	66.6#
134	0.0	18.0	27.0#



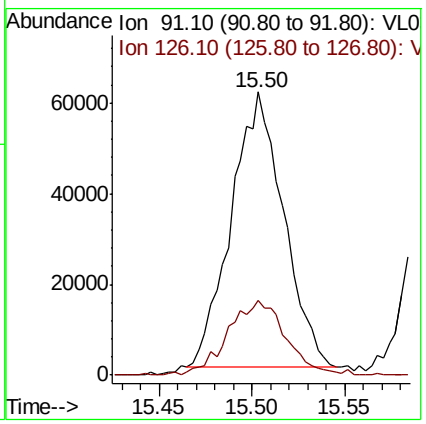


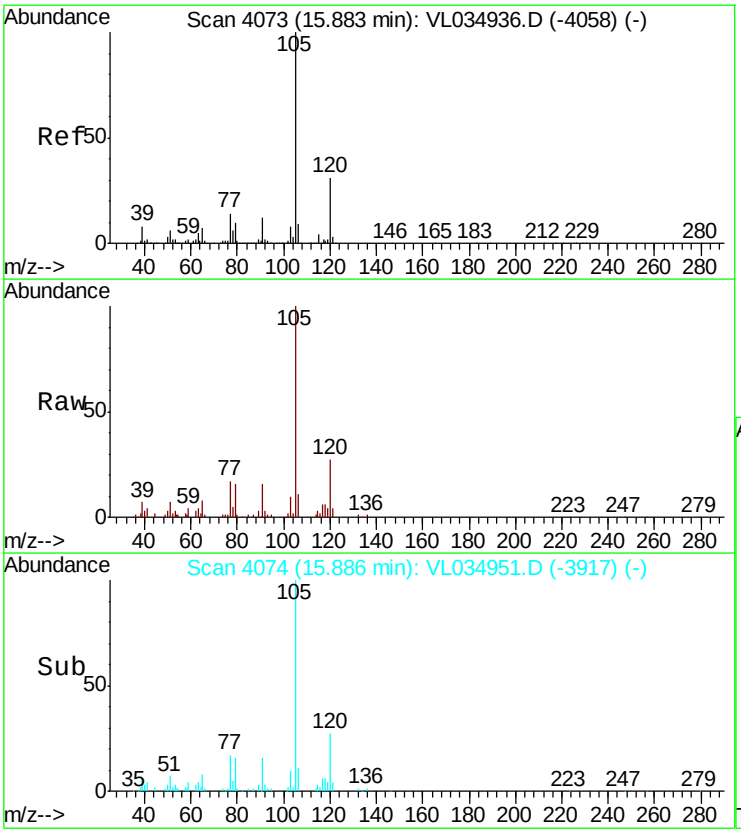
#71
2-Chlorotoluene
Concen: 0.400 ppbv
RT: 15.50 min Scan# 3955
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 119002

Ion	Ratio	Lower	Upper
91	100		
126	30.2	12.0	47.8

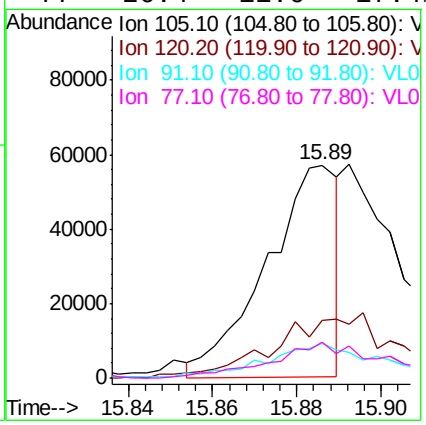


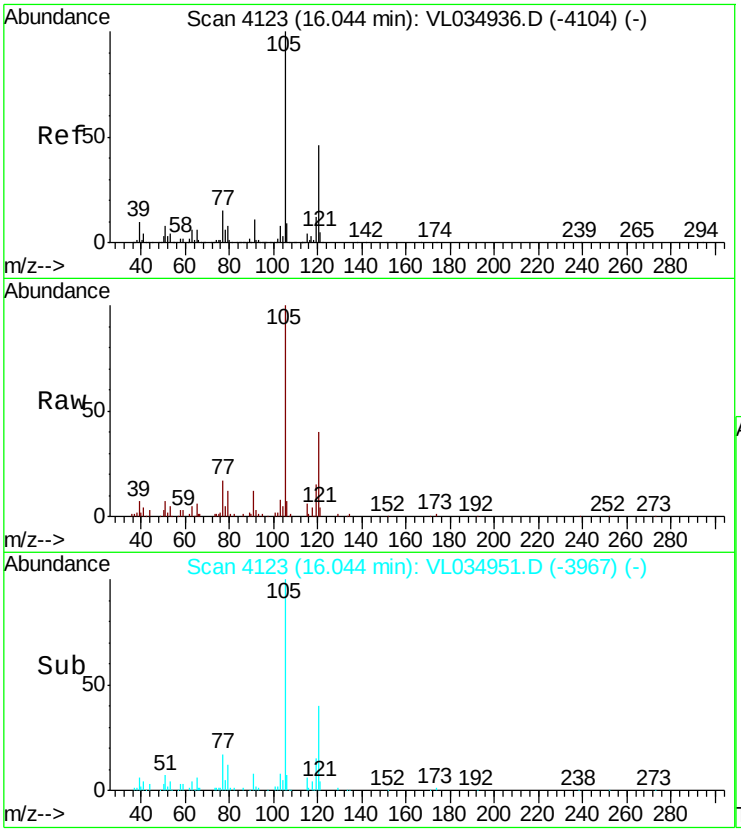


#72
4-Ethyltoluene
Concen: 0.227 ppbv
RT: 15.89 min Scan# 4074
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion:105 Resp: 67067

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.8	35.8#
91	29.8	10.6	15.8#
77	26.4	11.6	17.4#



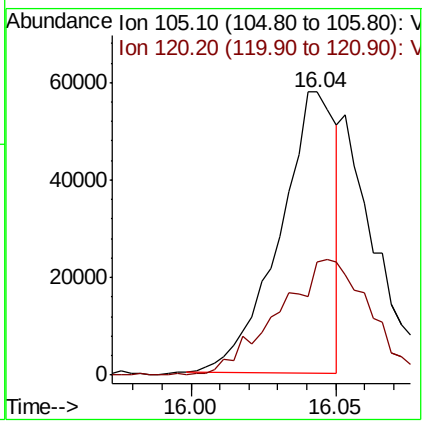


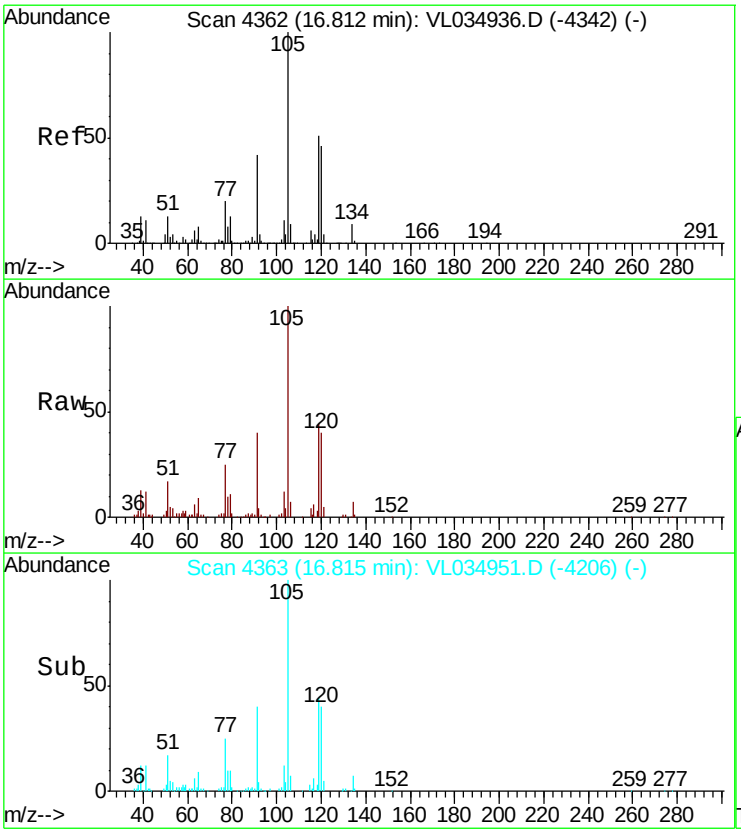
#73
1,3,5-Trimethylbenzene
Concen: 0.270 ppbv
RT: 16.04 min Scan# 4123
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 77420

Ion	Ratio	Lower	Upper
105	100		
120	40.2	36.4	54.6

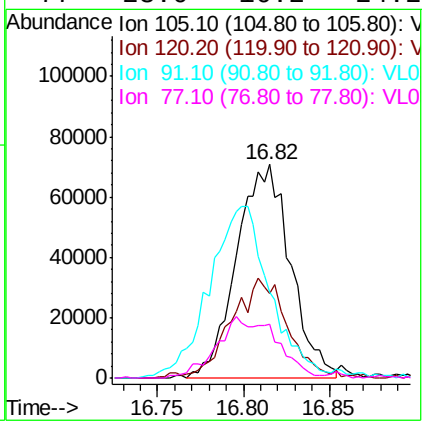


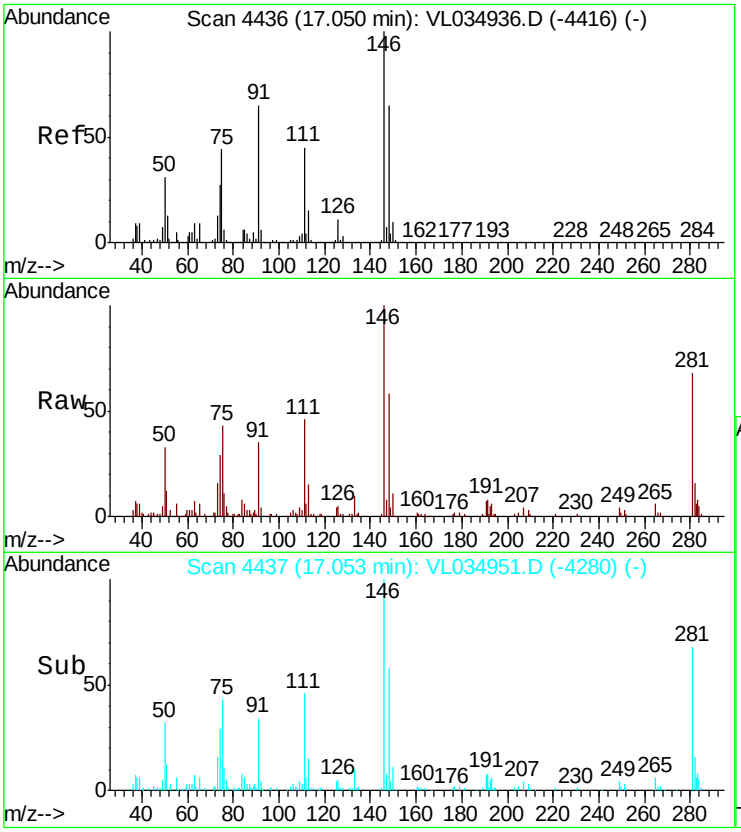


#74
1,2,4-Trimethylbenzene
Concen: 0.490 ppbv
RT: 16.82 min Scan# 4363
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion:105 Resp: 153542

Ion	Ratio	Lower	Upper
105	100		
120	38.2	36.8	55.2
91	36.3	35.4	53.0
77	23.0	16.2	24.2



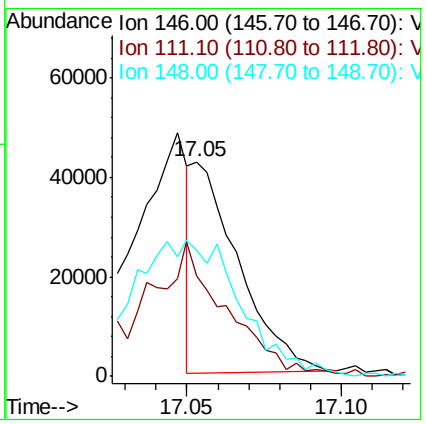


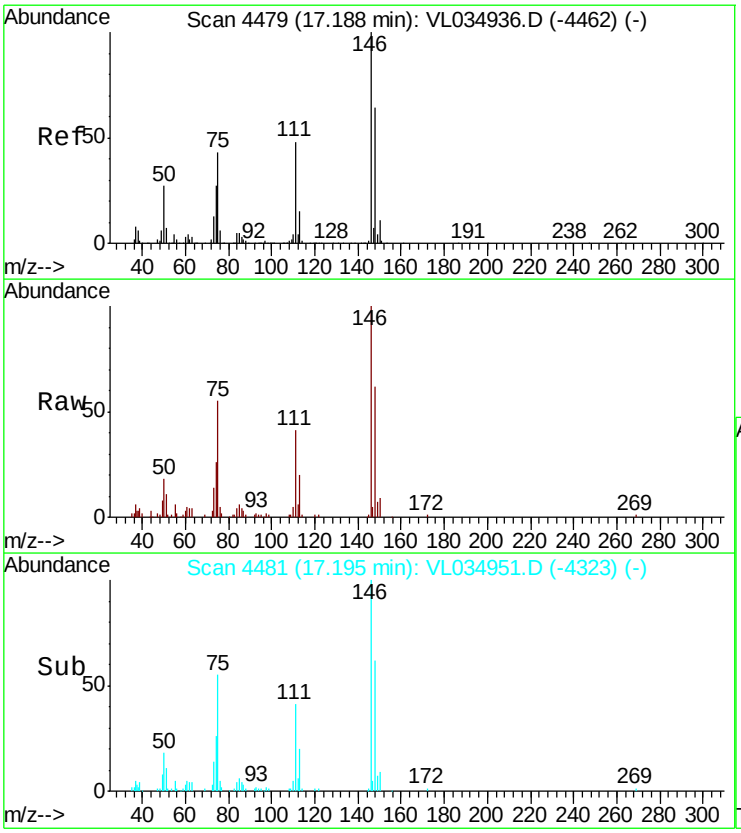
#75
1,3-Dichlorobenzene
Concen: 0.237 ppbv
RT: 17.05 min Scan# 4437
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 43620

Ion	Ratio	Lower	Upper
146	100		
111	0.0	24.0	72.0#
148	0.0	32.6	97.7#

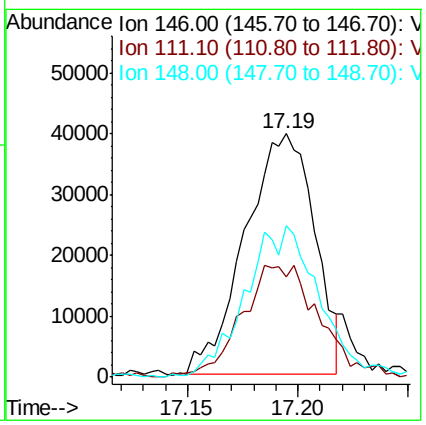


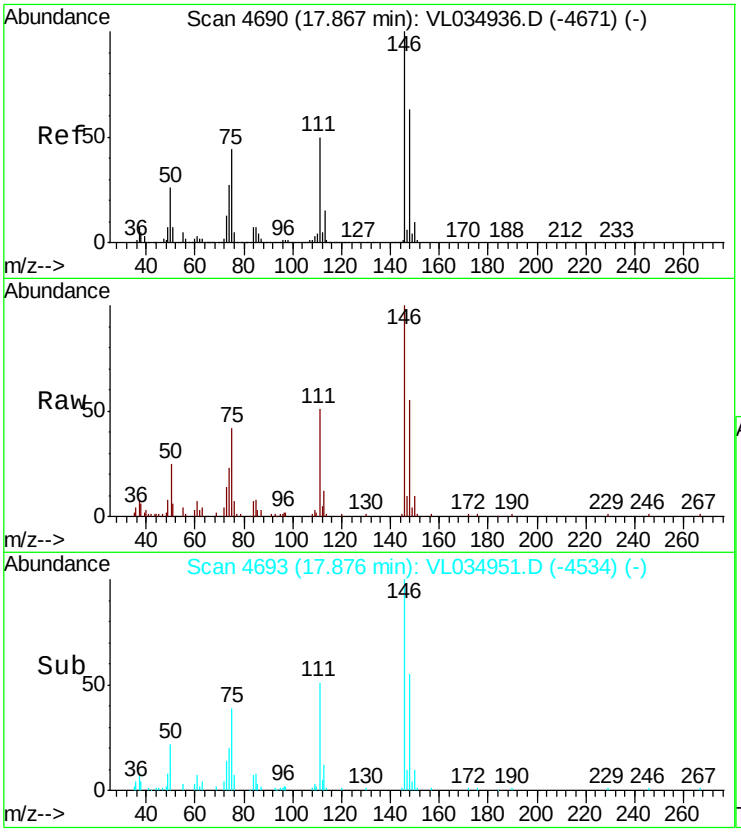


#76
1,4-Dichlorobenzene
Concen: 0.493 ppbv
RT: 17.19 min Scan# 4481
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion:146 Resp: 86177

Ion	Ratio	Lower	Upper
146	100		
111	52.8	23.7	71.1
148	67.2	32.6	97.8



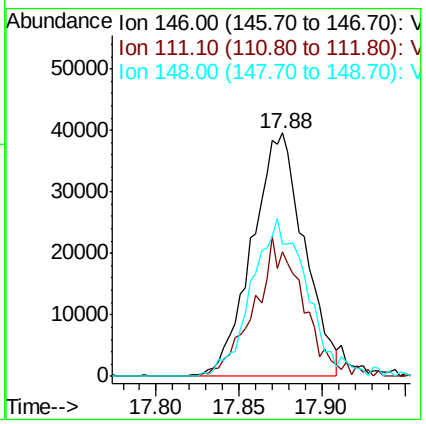


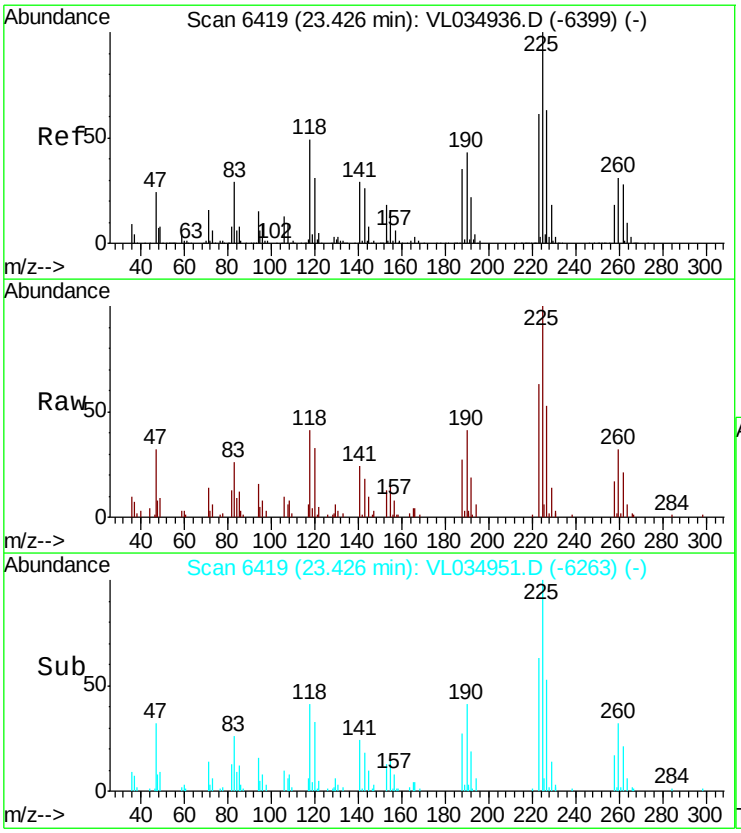
#77
1,2-Dichlorobenzene
Concen: 0.502 ppbv
RT: 17.88 min Scan# 4693
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 87019

Ion	Ratio	Lower	Upper
146	100		
111	53.6	24.5	73.5
148	68.9	31.7	95.1

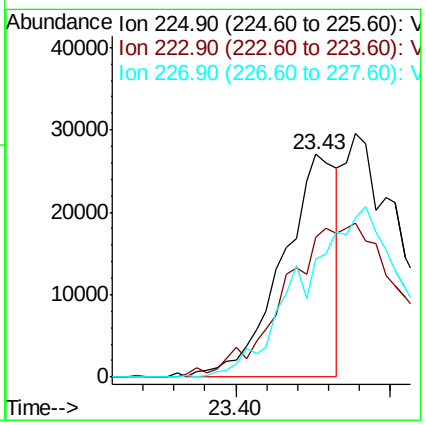


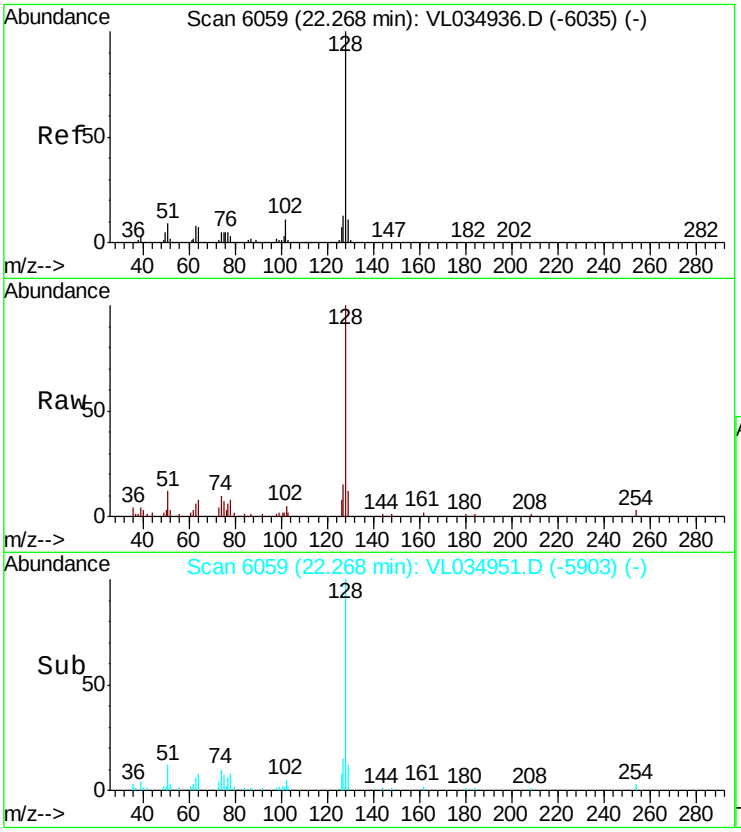


#78
Hexachloro-1,3-Butadiene
Concen: 0.225 ppbv
RT: 23.43 min Scan# 6419
Delta R.T. -0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion:225 Resp: 33203

Ion	Ratio	Lower	Upper
225	100		
223	0.0	49.8	74.8#
227	0.0	51.8	77.6#



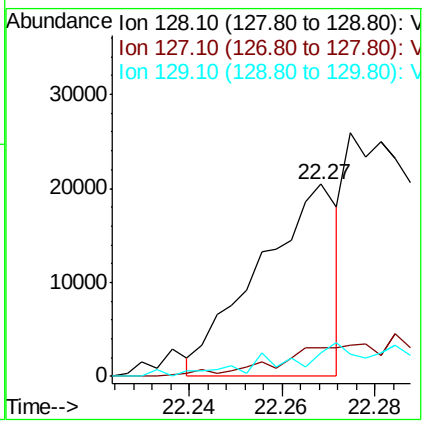


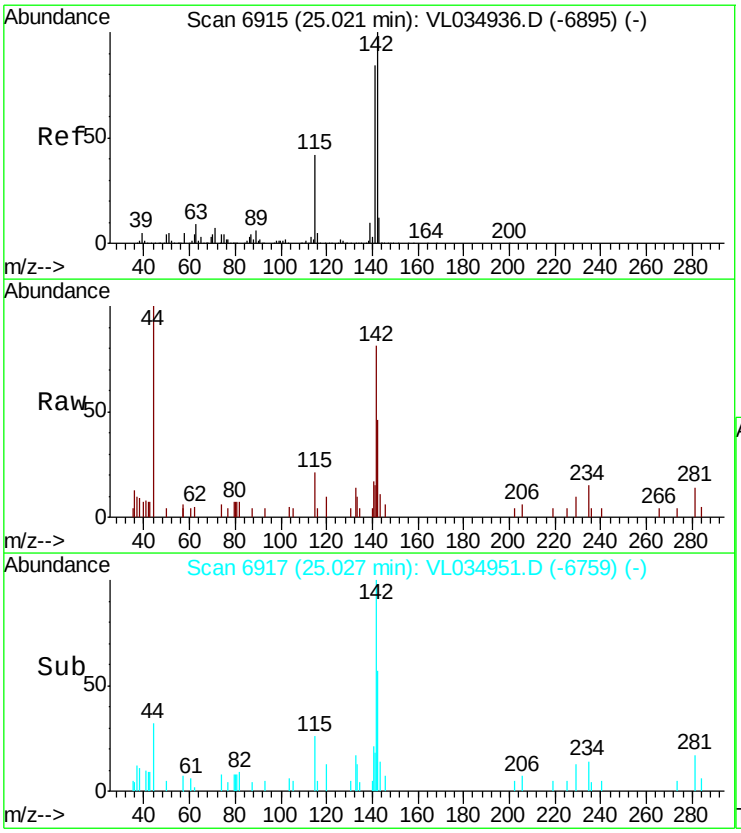
#79
Naphthalene
Concen: 0.099 ppbv
RT: 22.27 min Scan# 6059
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 24073

Ion	Ratio	Lower	Upper
128	100		
127	14.7	10.5	15.7
129	10.3	9.0	13.4

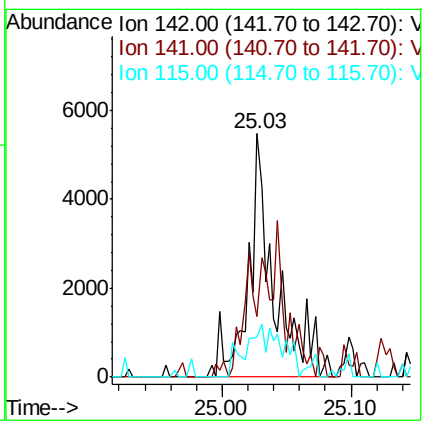


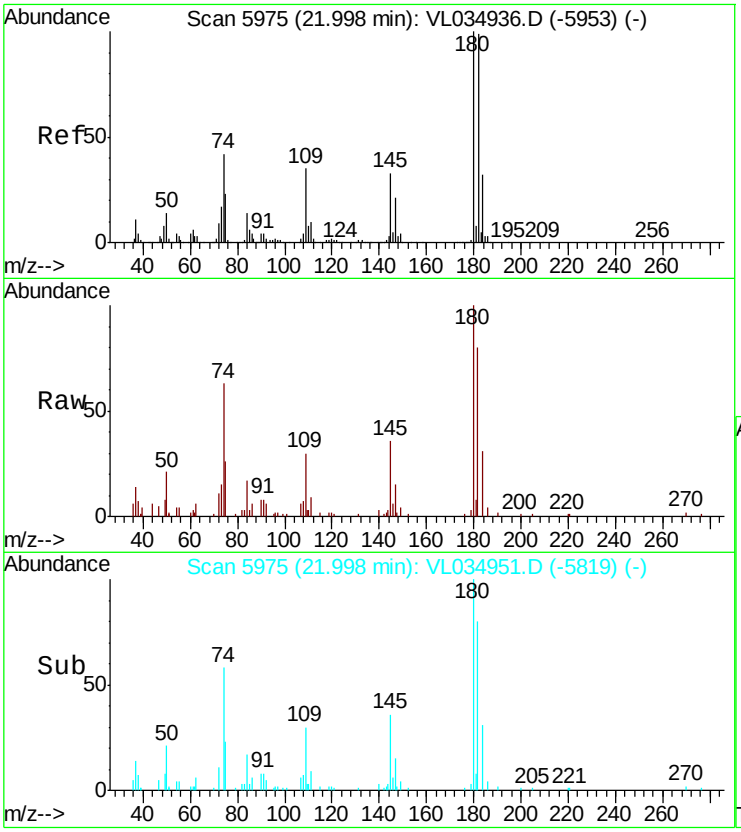


#80
Naphthalene,2-methyl-
Concen: 0.126 ppbv
RT: 25.03 min Scan# 6917
Delta R.T. 0.01 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Tgt Ion:142 Resp: 7559

Ion	Ratio	Lower	Upper
142	100		
141	82.6	68.6	102.8
115	33.7	33.9	50.9#





#81
1,2,4-Trichlorobenzene
Concen: 0.090 ppbv
RT: 22.00 min Scan# 5975
Delta R.T. 0.00 min
Lab File: VL034951.D
Acq: 7 May 2020 2:03

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:180 Resp: 13256

Ion	Ratio	Lower	Upper
180	100		
182	419.9	77.5	116.3#
184	137.3	24.8	37.2#