Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090820\
Data File : VL035555.D
Acq On : 8 Sep 2020 13:55
Operator : SY/AP
Sample : VL0908ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Quant Time: Sep 09 02:35:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Aug 27 06:46:28 2020
QLast Update : Thu Aug 27 06:46:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1053288	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4600884	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	5879807	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3449408	8.26	ppbv	-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 82.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	1592770	8.726	ppbv	98
3) Chlorodifluoromethane	2.98	51	1123400	9.644	ppbv	99
4) Chloromethane	3.13	50	598468	9.589	ppbv	98
5) Vinyl Chloride	3.25	62	711395	9.246	ppbv	100
6) Bromomethane	3.46	94	634335	9.815	ppbv	96
7) Chloroethane	3.55	64	268905	9.885	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	2087167	9.442	ppbv	98
9) Propene	3.00	41	432966	9.641	ppbv	99
10) Heptane	8.12	43	1215277	10.075	ppbv	100
11) Trichlorofluoromethane	3.94	101	2559434	9.615	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1935147	9.632	ppbv	98
13) Ethanol	3.60	45	103561	9.301	ppbv	96
14) Bromoethene	3.73	108	874901	10.117	ppbv	100
15) Acetone	3.84	43	964950	8.307	ppbv	100
16) 1,3-Butadiene	3.32	39	437351	10.114	ppbv	100
17) tert-Butyl alcohol	4.29	59	1436196	10.157	ppbv	100
18) 1,1-Dichloroethene	4.28	96	899349	10.165	ppbv	99
19) Isopropyl Alcohol	3.96	45	701428	10.121	ppbv	99
20) Methylene Chloride	4.34	84	787813	9.105	ppbv	97
21) Allyl Chloride	4.40	41	588624	10.815	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	941770	9.999	ppbv	96
23) Vinyl Acetate	5.07	43	1520041	10.195	ppbv	100
24) 1,1-Dichloroethane	5.01	63	1502220	9.790	ppbv	99
25) Ethyl Acetate	5.67	43	1976506	9.631	ppbv	100
26) Hexane	5.69	57	1146410	9.859	ppbv	98
27) Carbon Disulfide	4.54	76	1910939	11.452	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	2072390	10.226	ppbv	100
29) Chloroform	5.75	83	2329205	9.831	ppbv	100
30) Cyclohexane	7.13	84	1308020	10.500	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	1234170	10.345	ppbv	99
32) 1,1,1-Trichloroethane	6.51	97	2347519	10.214	ppbv	100
34) 2-Butanone	5.24	43	1367419	10.015	ppbv	99
35) Carbon Tetrachloride	7.02	117	2472576	10.693	ppbv	100
36) Benzene	6.89	78	2981931	10.012	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1430690	10.076	ppbv	100
38) Trichloroethene	7.84	130	1579353	9.129	ppbv	98
39) 1,2-Dichloropropane	7.62	63	1007438	10.014	ppbv	99
40) 1,4-Dioxane	7.83	88	525337	10.453	ppbv	92
41) Tetrahydrofuran	6.05	42	774844	10.702	ppbv	99
42) Bromodichloromethane	7.79	83	2477346	10.789	ppbv	100
43) Methyl Methacrylate	8.02	69	1246341	10.823	ppbv	100

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090820\
Data File : VL035555.D
Acq On : 8 Sep 2020 13:55
Operator : SY/AP
Sample : VL0908ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Quant Time: Sep 09 02:35:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Aug 27 06:46:28 2020
QLast Update : Thu Aug 27 06:46:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3850267	9.825	ppbv		100
45) t-1,3-Dichloropropene	9.28	75	1399510	11.996	ppbv		100
46) cis-1,3-Dichloropropene	8.71	75	1674441	11.560	ppbv		99
47) 1,1,2-Trichloroethane	9.48	97	1489109	10.031	ppbv		97
48) Dibromochloromethane	10.31	129	2629632	11.255	ppbv		100
49) Bromoform	13.05	173	2483190	11.727	ppbv		100
50) 4-Methyl-2-Pentanone	8.74	43	2051494	10.376	ppbv		99
51) 2-Hexanone	10.14	43	1768438	10.904	ppbv		100
52) Tetrachloroethene	11.23	164	1611041	9.260	ppbv		100
53) Toluene	9.81	91	3839171	10.251	ppbv		100
54) 1,2-Dibromoethane	10.62	107	2381516	10.153	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.14	131	2053207	8.582	ppbv		96
57) Chlorobenzene	12.16	112	3317662	7.667	ppbv		99
58) Ethyl Benzene	12.72	91	5037414	8.308	ppbv		99
59) m/p-Xylene	13.01	91	4160985	8.213	ppbv	#	30
60) o-Xylene	13.71	91	4160094	8.153	ppbv		100
61) Styrene	13.54	104	3409261	8.736	ppbv		100
62) Isopropylbenzene	14.68	105	6403966	7.813	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2986897	7.550	ppbv		100
64) n-propylbenzene	15.57	120	2051356	8.201	ppbv		97
65) tert-Butylbenzene	16.76	119	6118968	8.030	ppbv		99
66) Benzyl Chloride	17.00	91	2067486	10.918	ppbv		99
67) sec-Butylbenzene	17.31	105	8005137	7.886	ppbv		99
69) p-Isopropyltoluene	17.67	119	7048282	7.915	ppbv		99
70) n-Butylbenzene	18.57	91	6834242	7.968	ppbv		99
71) 2-Chlorotoluene	15.47	91	4907704	8.222	ppbv		99
72) 4-Ethyltoluene	15.85	105	5334124	8.223	ppbv		100
73) 1,3,5-Trimethylbenzene	16.01	105	4973421	8.289	ppbv		97
74) 1,2,4-Trimethylbenzene	16.78	105	5174254	7.853	ppbv		97
75) 1,3-Dichlorobenzene	17.01	146	3733854	7.650	ppbv		100
76) 1,4-Dichlorobenzene	17.16	146	3761476	7.814	ppbv		99
77) 1,2-Dichlorobenzene	17.83	146	3684220	7.791	ppbv		99
78) Hexachloro-1,3-Butadiene	23.39	225	2389559	7.915	ppbv		100
79) Naphthalene	22.22	128	6304553	8.623	ppbv		99
80) Naphthalene,2-methyl-	24.99	142	2400382	9.619	ppbv		99
81) 1,2,4-Trichlorobenzene	21.95	180	3598035	8.218	ppbv		100

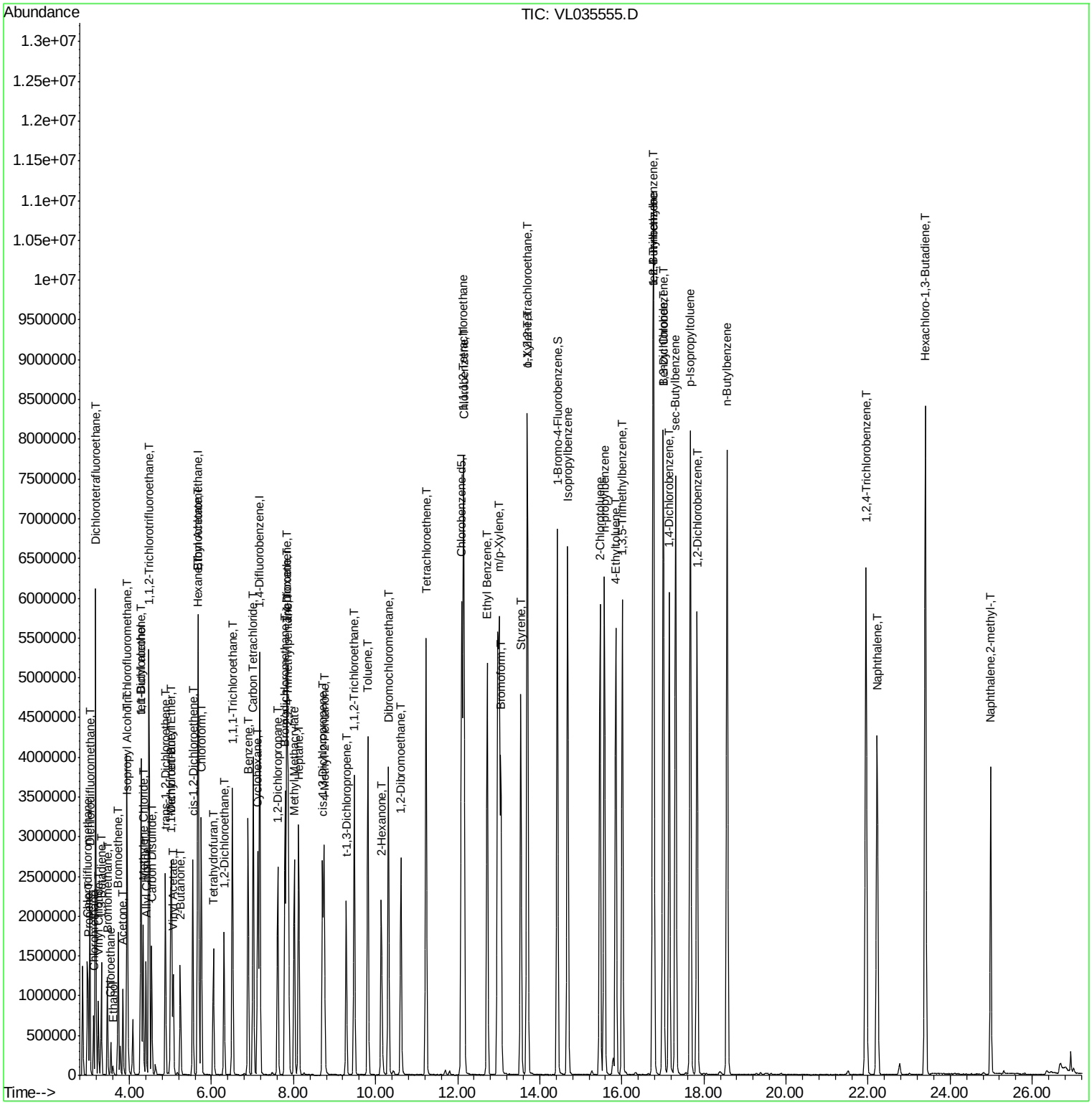
(#) = qualifier out of range (m) = manual integration (+) = signals summed

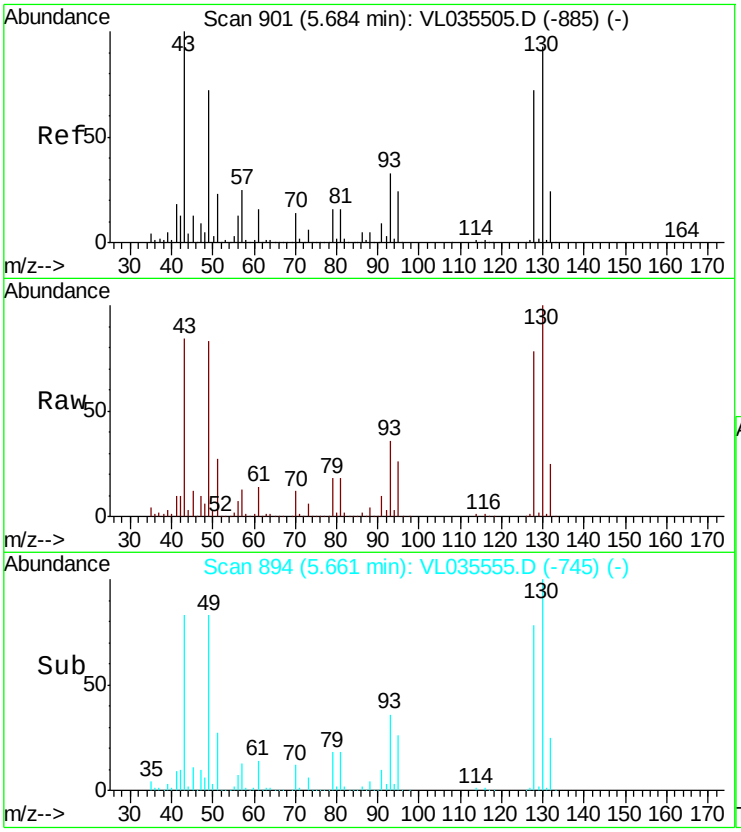
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL090820\
Data File : VL035555.D
Acq On : 8 Sep 2020 13:55
Operator : SY/AP
Sample : VL0908ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Quant Time: Sep 09 02:35:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Aug 27 06:46:28 2020
QLast Update : Thu Aug 27 06:46:28 2020
Response via : Initial Calibration



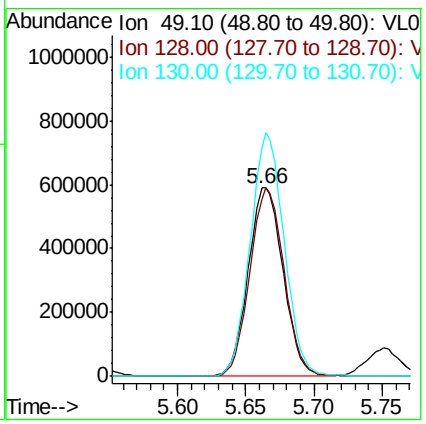


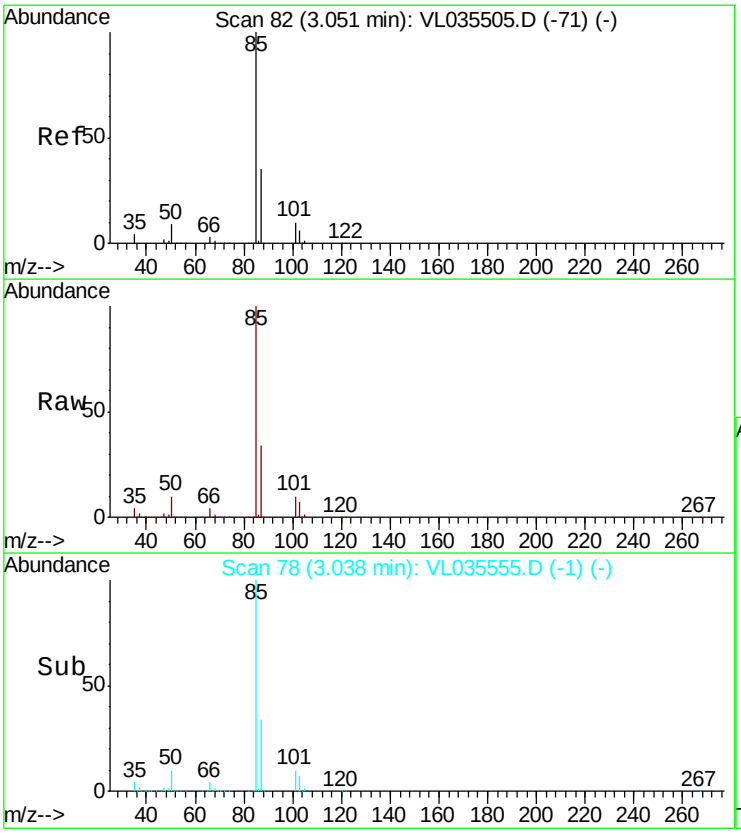
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion: 49 Resp: 1053288

Ion	Ratio	Lower	Upper
49	100		
128	97.9	50.0	150.1
130	125.7	64.4	193.2

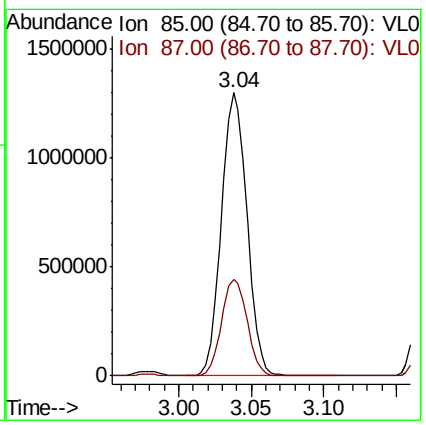


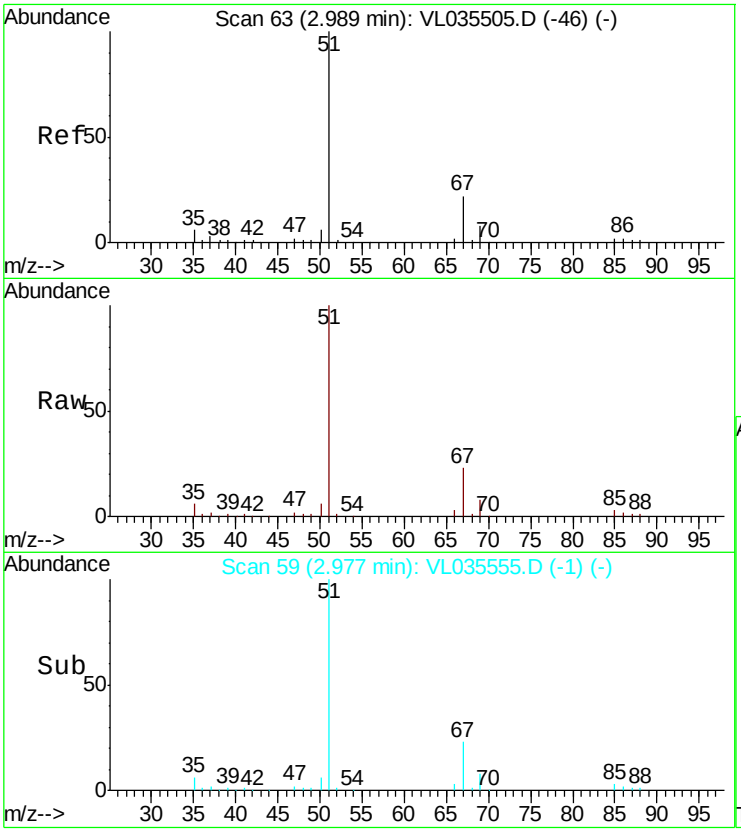


#2
Dichlorodifluoromethane
Concen: 8.726 ppbv
RT: 3.04 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 85 Resp: 1592770

Ion	Ratio	Lower	Upper
85	100		
87	33.9	28.0	42.0



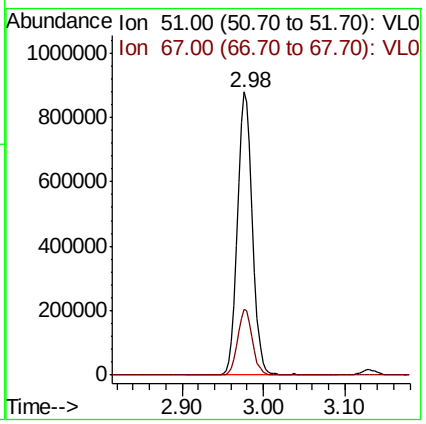


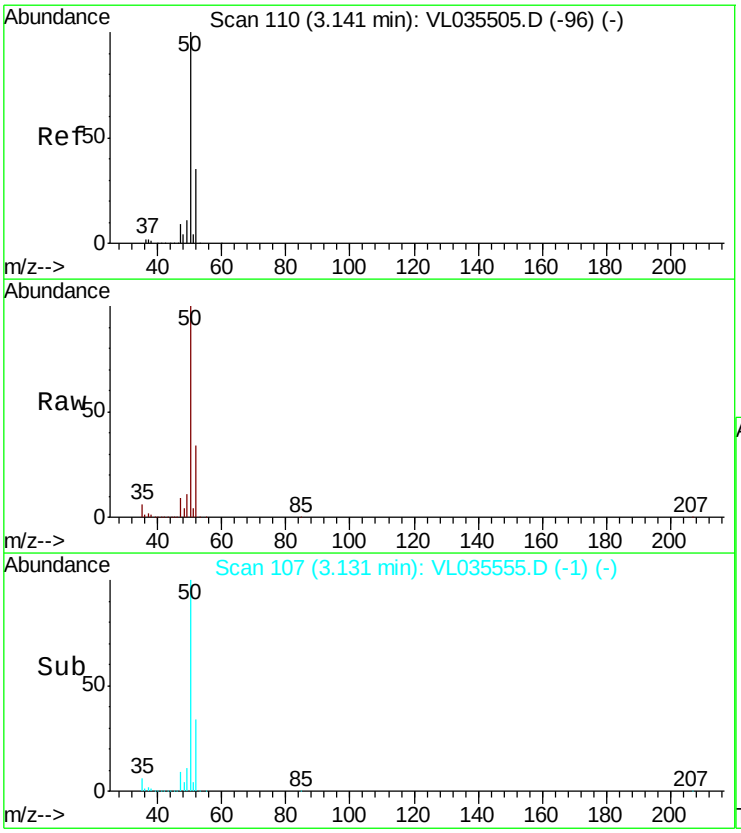
#3
Chlorodifluoromethane
Concen: 9.644 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.01 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion: 51 Resp: 1123400

Ion	Ratio	Lower	Upper
51	100		
67	23.0	17.8	26.8

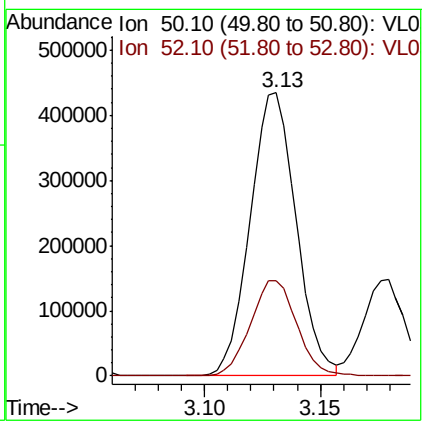


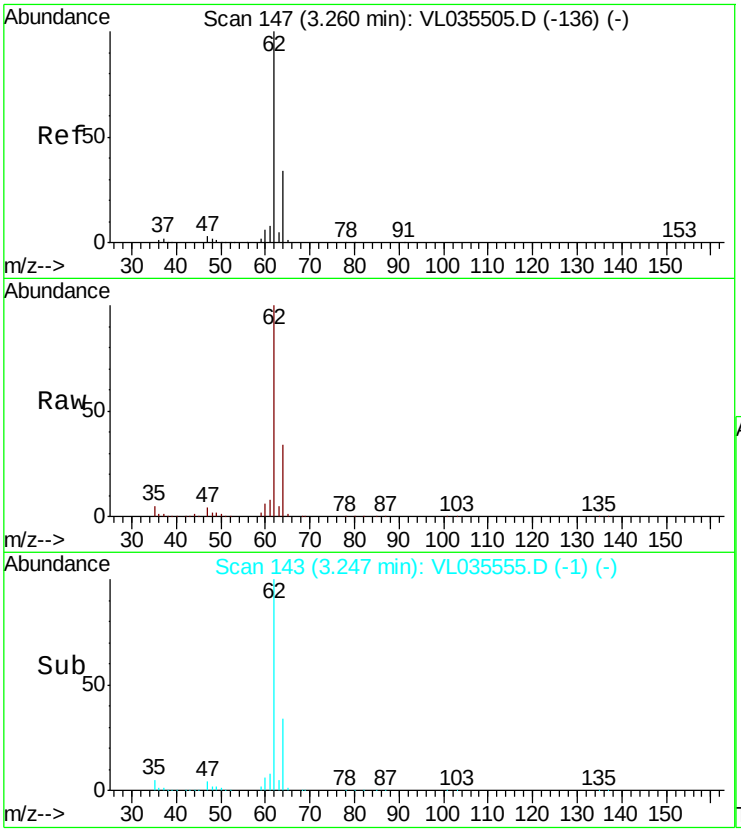


#4
Chloromethane
Concen: 9.589 ppbv
RT: 3.13 min Scan# 107
Delta R.T. -0.01 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 50 Resp: 598468

Ion	Ratio	Lower	Upper
50	100		
52	33.5	27.7	41.5



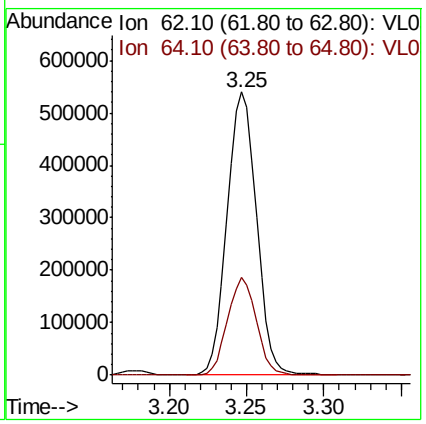


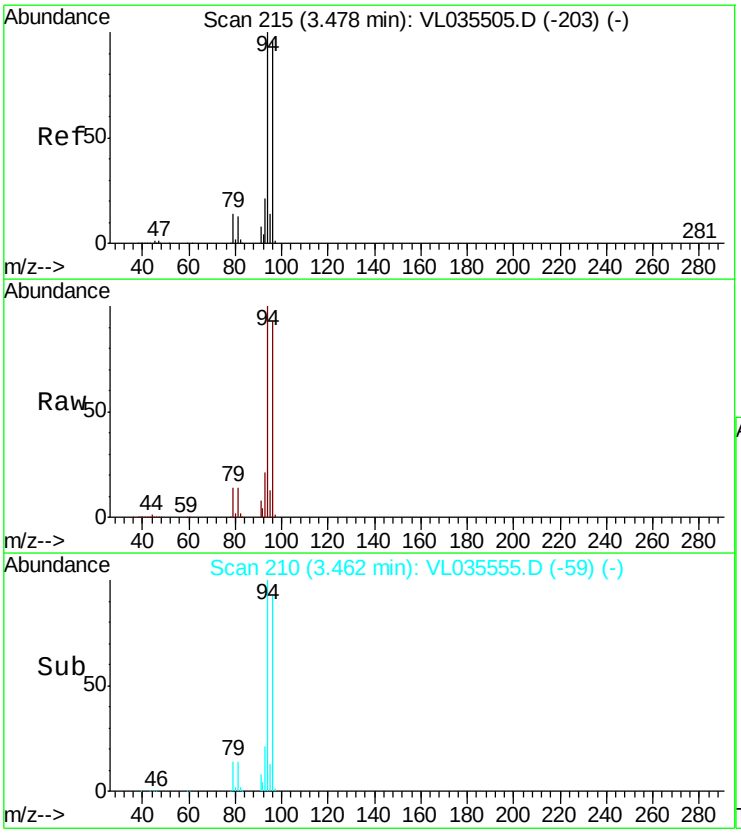
#5
Vinyl Chloride
Concen: 9.246 ppbv
RT: 3.25 min Scan# 143
Delta R.T. -0.01 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion: 62 Resp: 711395

Ion	Ratio	Lower	Upper
62	100		
64	34.5	27.4	41.2

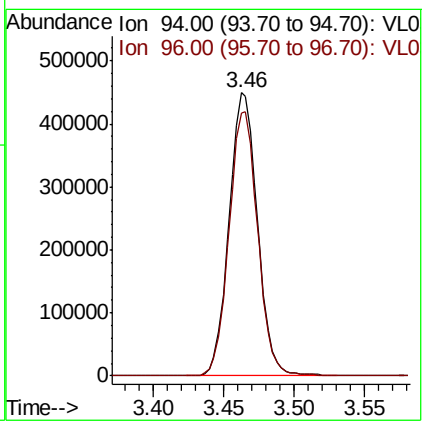


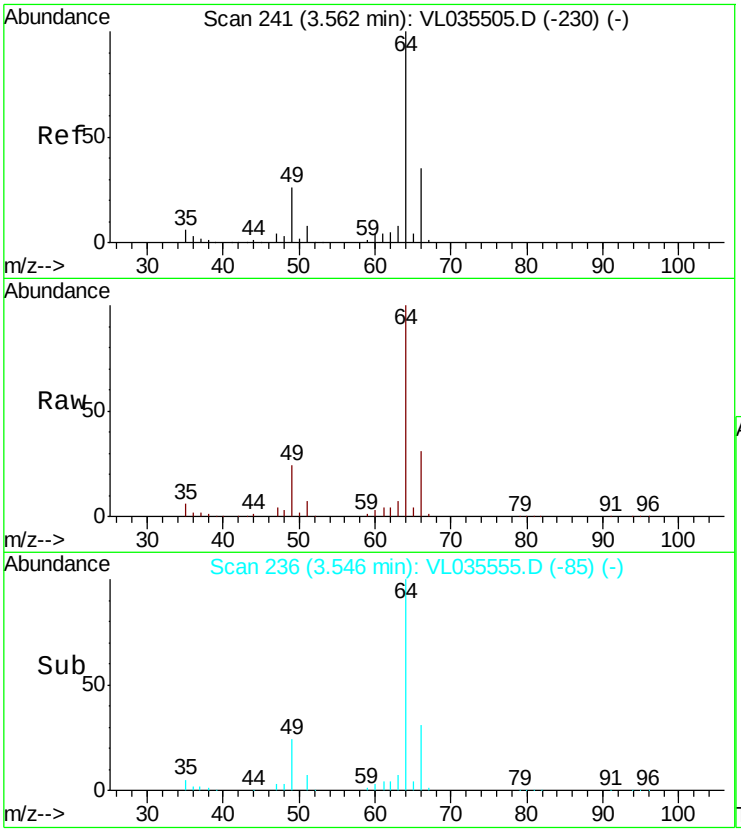


#6
Bromomethane
Concen: 9.815 ppbv
RT: 3.46 min Scan# 210
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 94 Resp: 634335

Ion	Ratio	Lower	Upper
94	100		
96	92.9	77.1	115.7



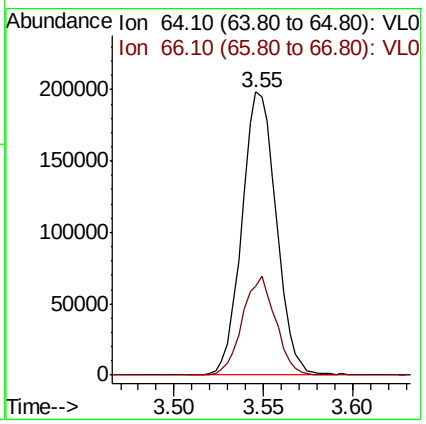


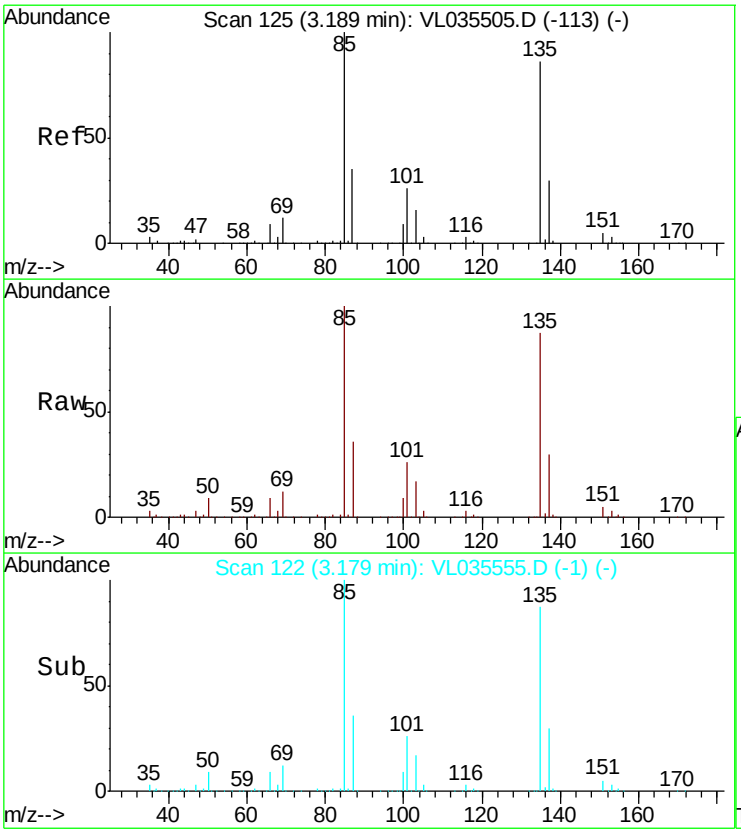
#7
Chloroethane
Concen: 9.885 ppbv
RT: 3.55 min Scan# 236
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion: 64 Resp: 268905

Ion	Ratio	Lower	Upper
64	100		
66	31.5	27.7	41.5

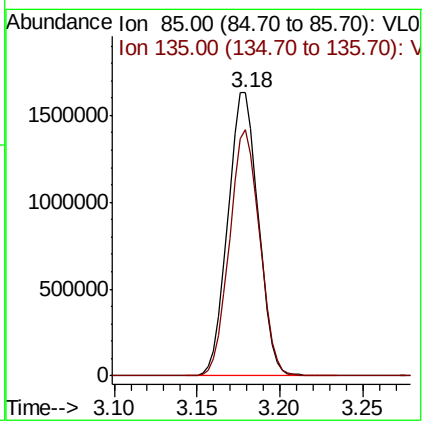


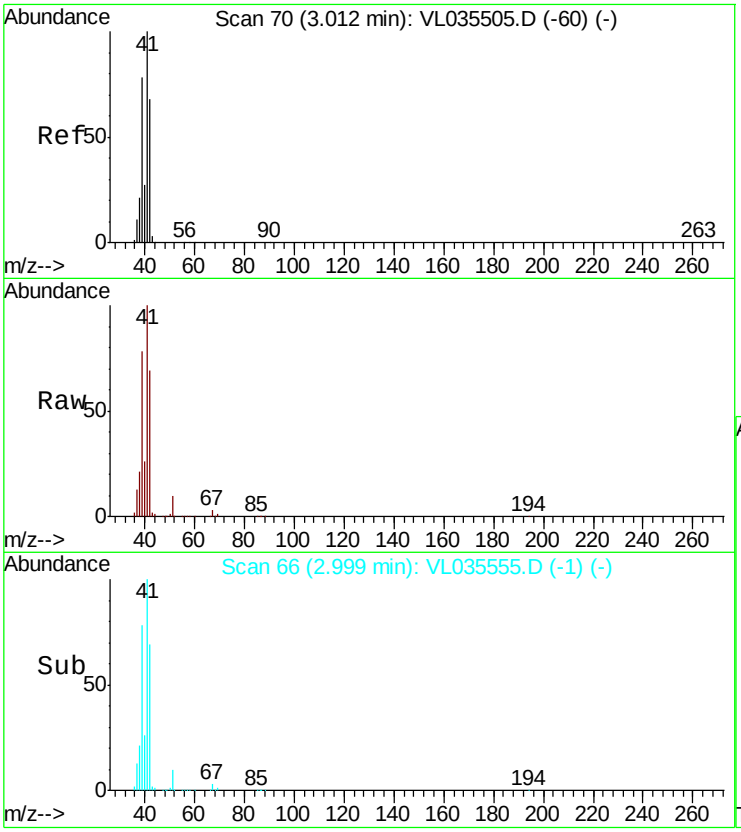


#8
Dichlorotetrafluoroethane
Concen: 9.442 ppbv
RT: 3.18 min Scan# 122
Delta R.T. -0.01 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 85 Resp: 2087167

Ion	Ratio	Lower	Upper
85	100		
135	86.2	70.4	105.6



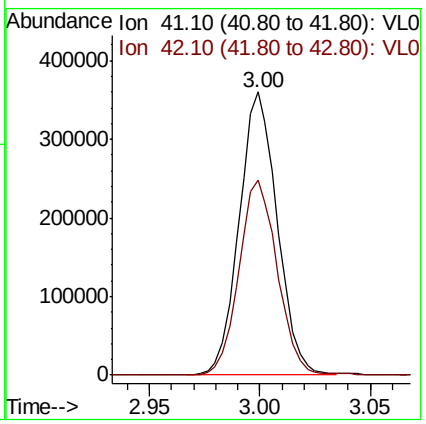


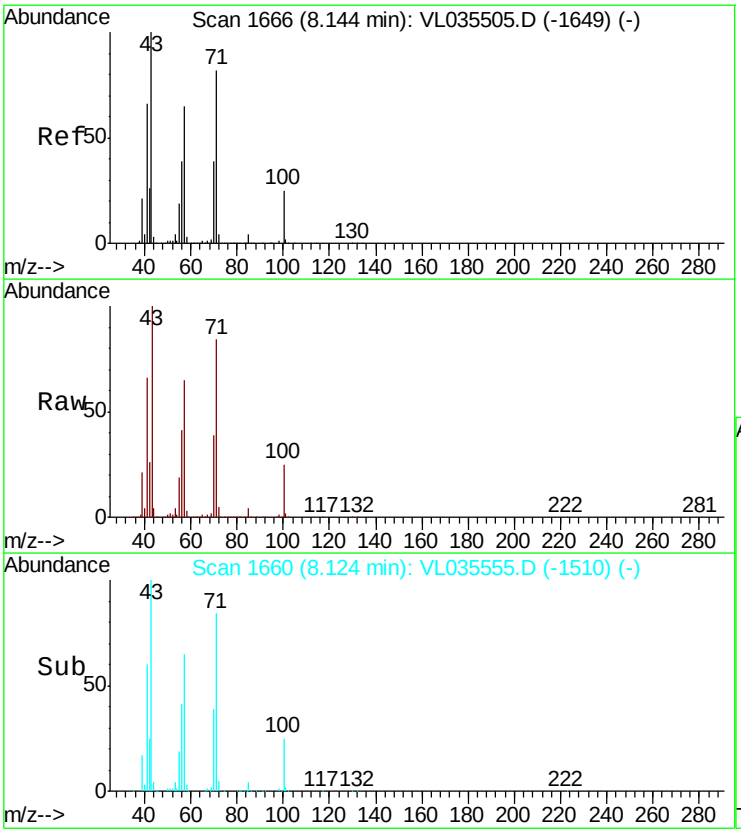
#9
Propene
Concen: 9.641 ppbv
RT: 3.00 min Scan# 66
Delta R.T. -0.01 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion: 41 Resp: 432966

Ion	Ratio	Lower	Upper
41	100		
42	69.7	56.3	84.5

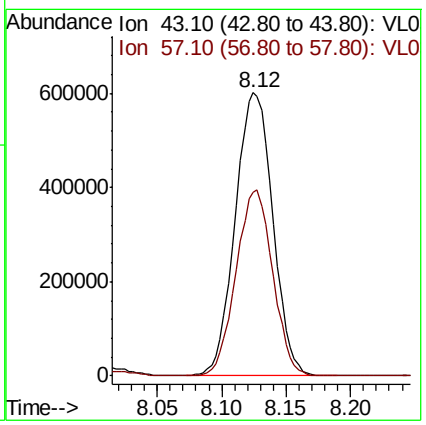


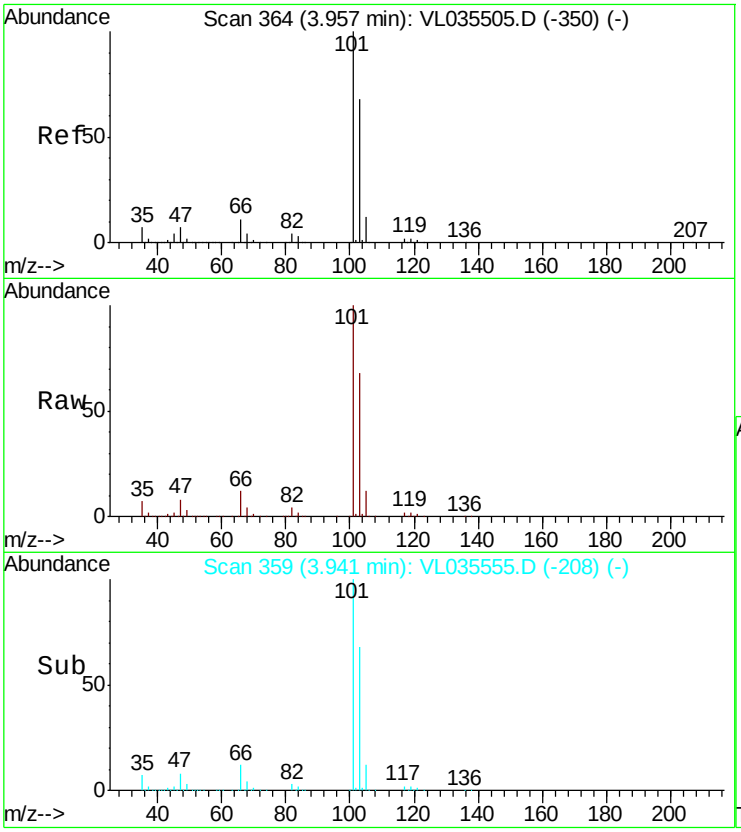


#10
Heptane
Concen: 10.075 ppbv
RT: 8.12 min Scan# 1660
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 43 Resp: 1215277

Ion	Ratio	Lower	Upper
43	100		
57	64.6	51.4	77.0



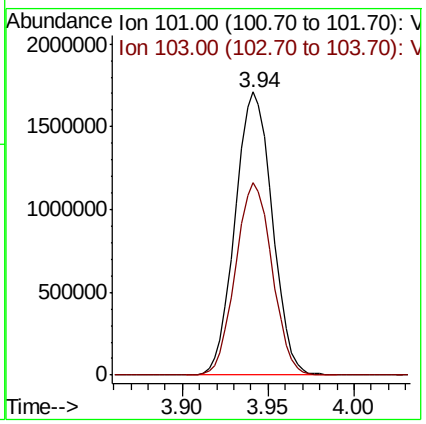


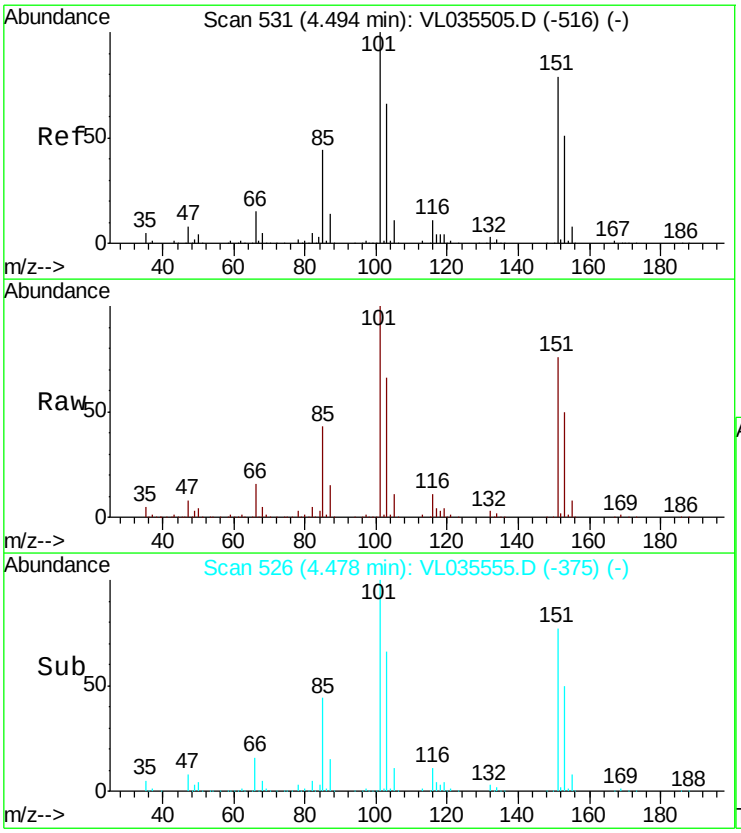
#11
Trichlorofluoromethane
Concen: 9.615 ppbv
RT: 3.94 min Scan# 359
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion:101 Resp: 2559434

Ion	Ratio	Lower	Upper
101	100		
103	68.0	54.5	81.7

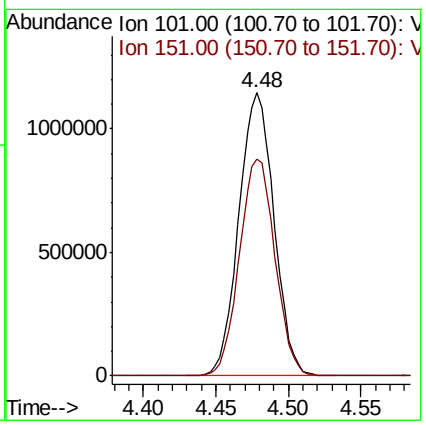


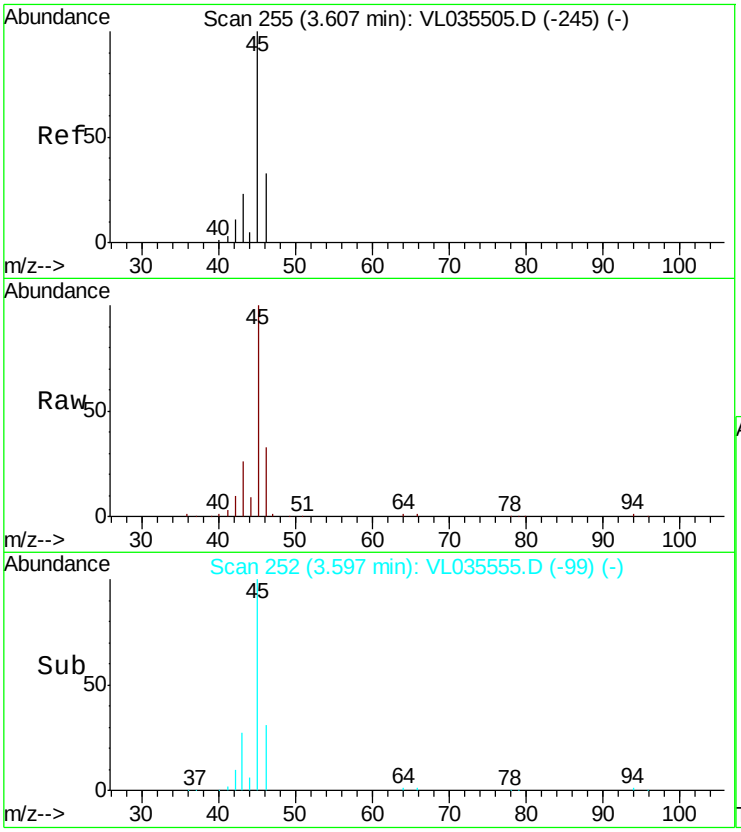


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.632 ppbv
RT: 4.48 min Scan# 526
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion:101 Resp: 1935147

Ion	Ratio	Lower	Upper
101	100		
151	77.9	63.5	95.3



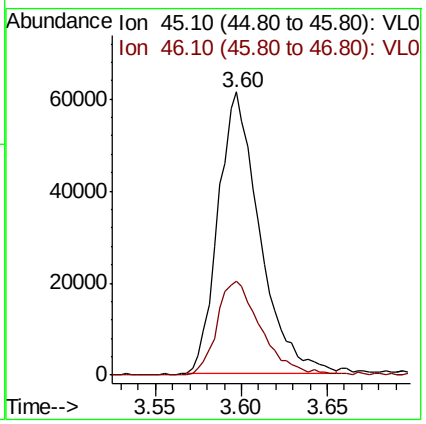


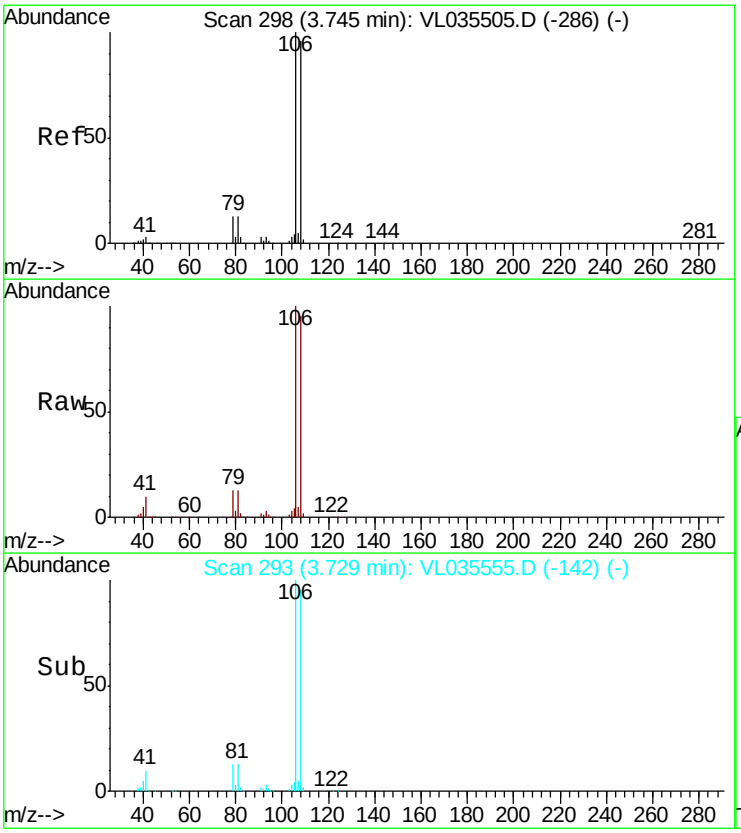
#13
Ethanol
Concen: 9.301 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion: 45 Resp: 103561

Ion	Ratio	Lower	Upper
45	100		
46	35.7	15.2	60.6

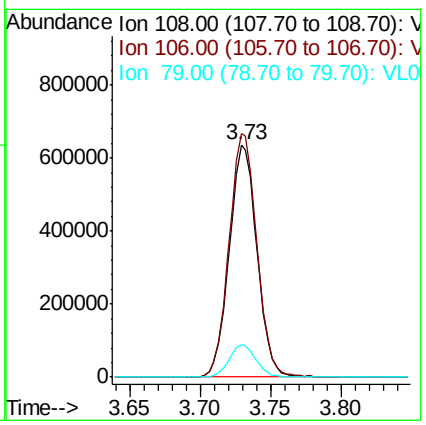


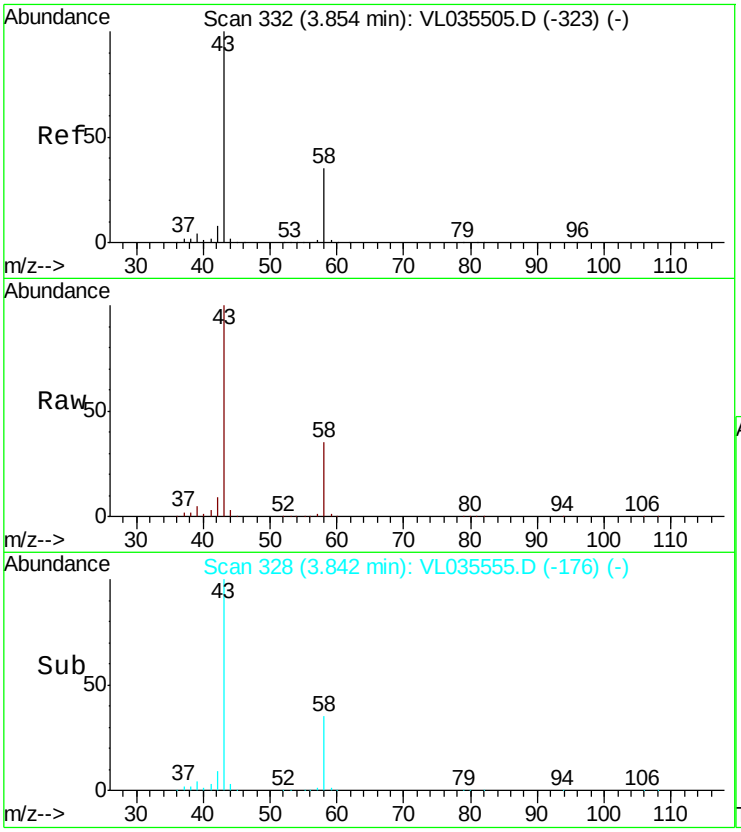


#14
Bromoethene
Concen: 10.117 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion:108 Resp: 874901

Ion	Ratio	Lower	Upper
108	100		
106	105.7	84.9	127.3
79	13.8	10.8	16.2



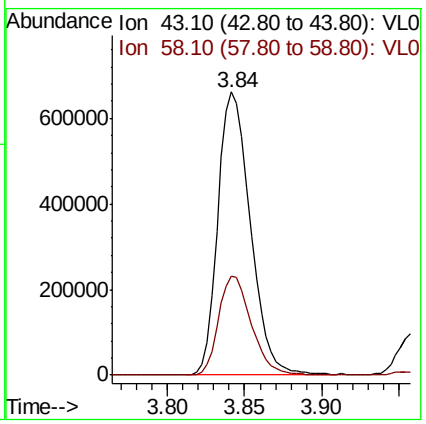


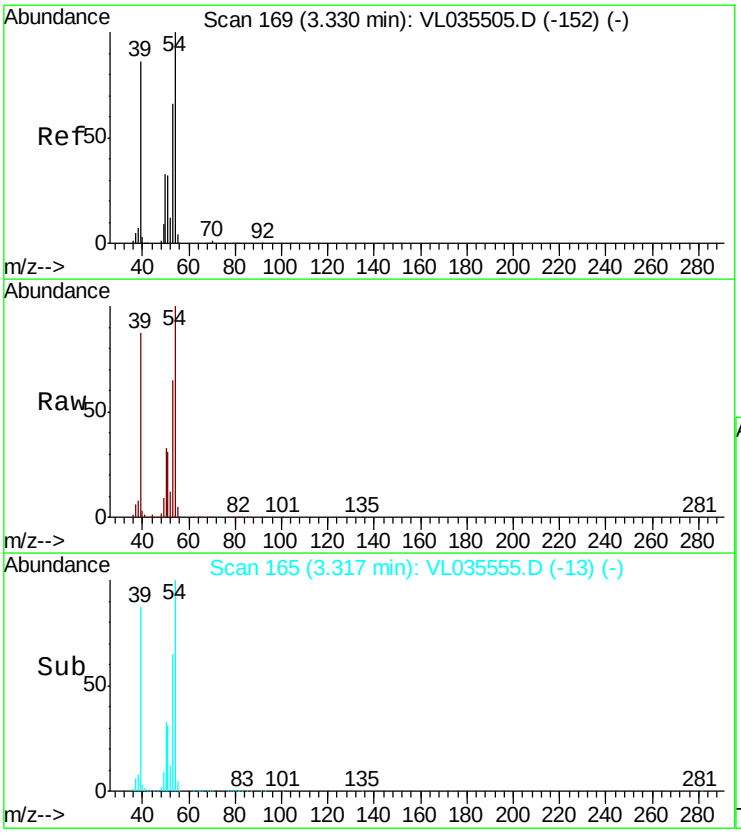
#15
Acetone
Concen: 8.307 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion: 43 Resp: 964950

Ion	Ratio	Lower	Upper
43	100		
58	35.3	28.4	42.6

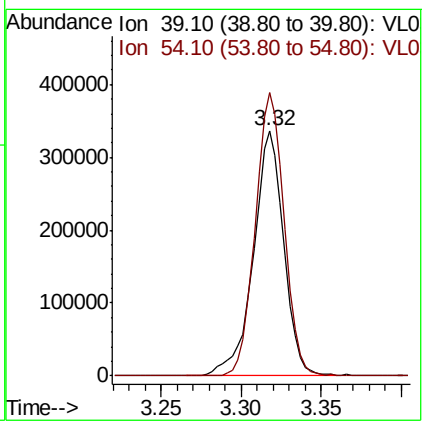


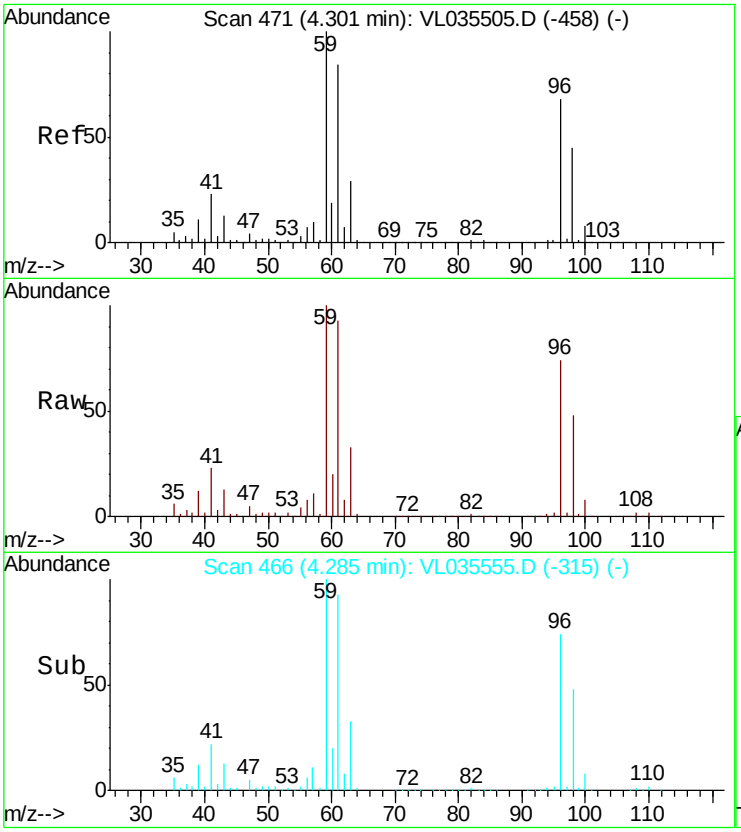


#16
1,3-Butadiene
Concen: 10.114 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.01 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 39 Resp: 437351

Ion	Ratio	Lower	Upper
39	100		
54	110.3	88.4	132.6



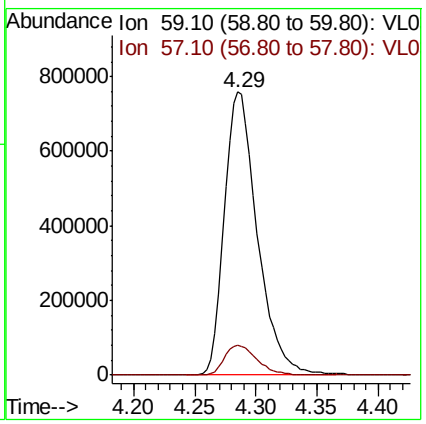


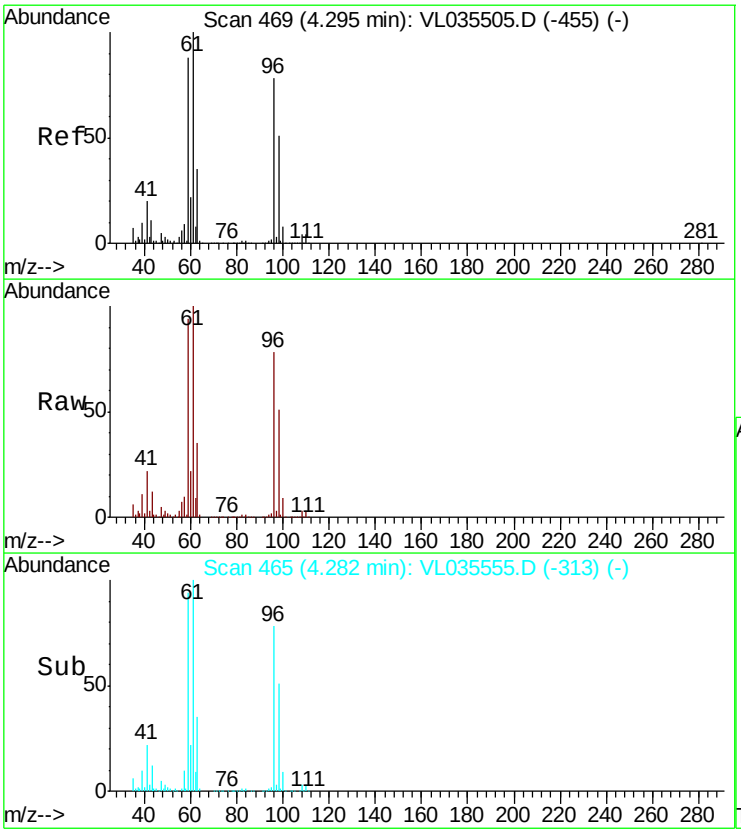
#17
tert-Butyl alcohol
Concen: 10.157 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion: 59 Resp: 1436196

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.4	12.6

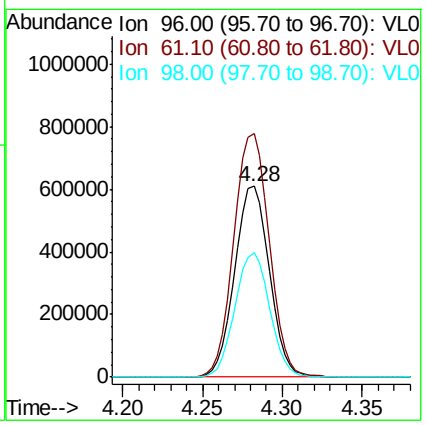


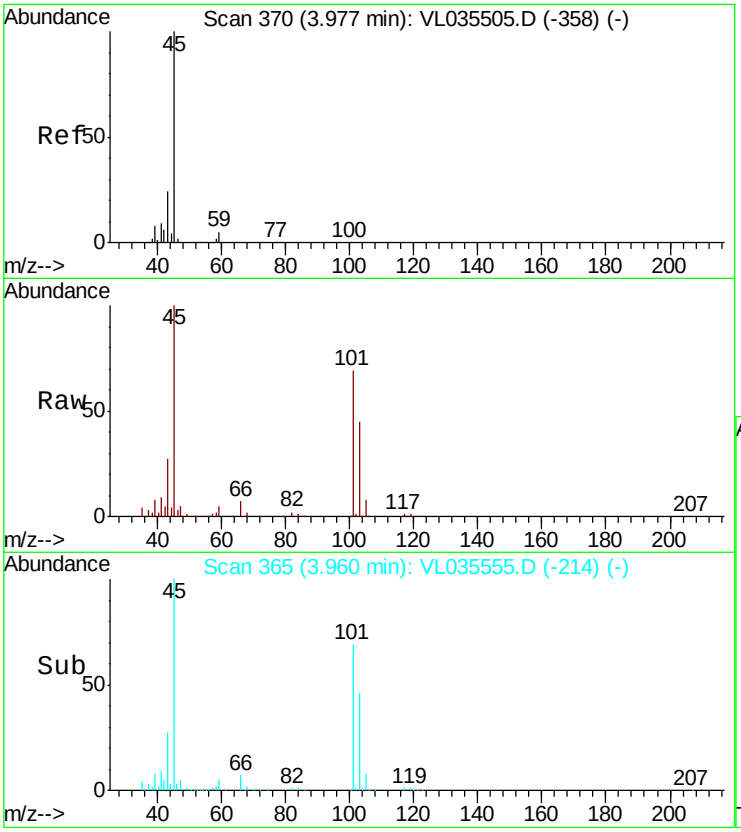


#18
1,1-Dichloroethene
Concen: 10.165 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.01 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 96 Resp: 899349

Ion	Ratio	Lower	Upper
96	100		
61	127.6	103.0	154.6
98	65.0	52.8	79.2



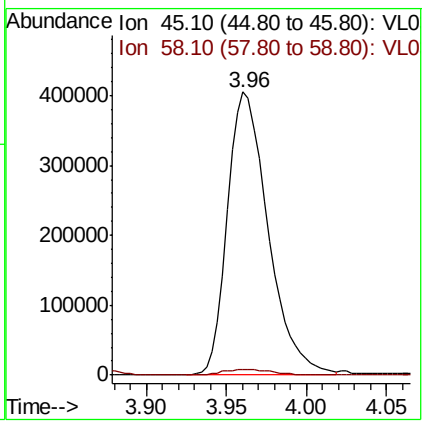


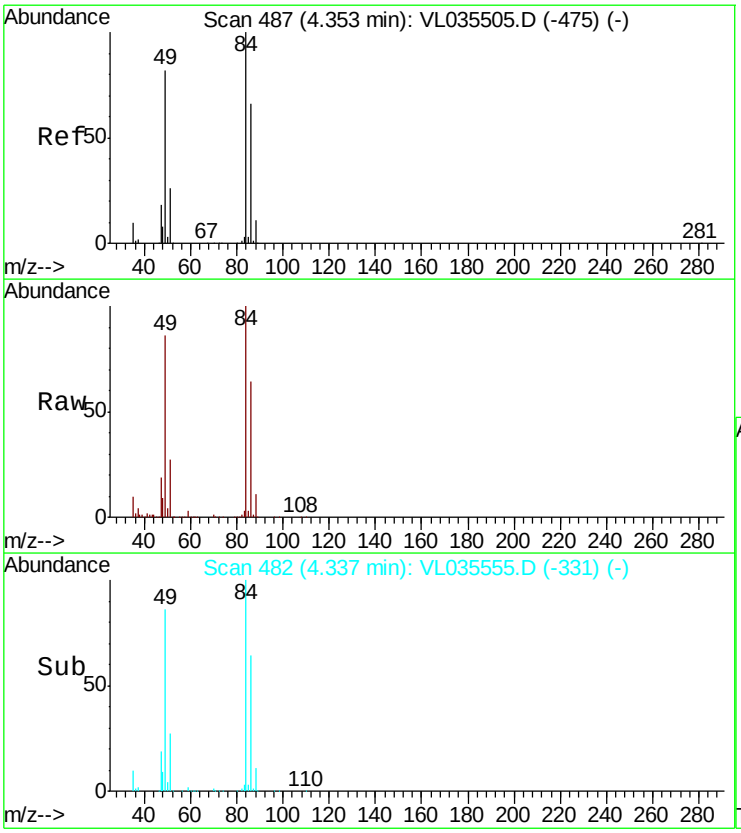
#19
Isopropyl Alcohol
Concen: 10.121 ppbv
RT: 3.96 min Scan# 365
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion: 45 Resp: 701428

Ion	Ratio	Lower	Upper
45	100		
58	2.7	2.0	3.0

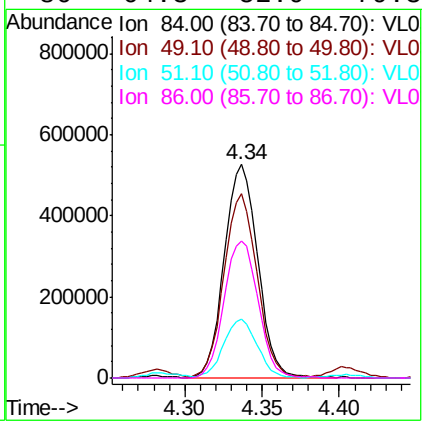


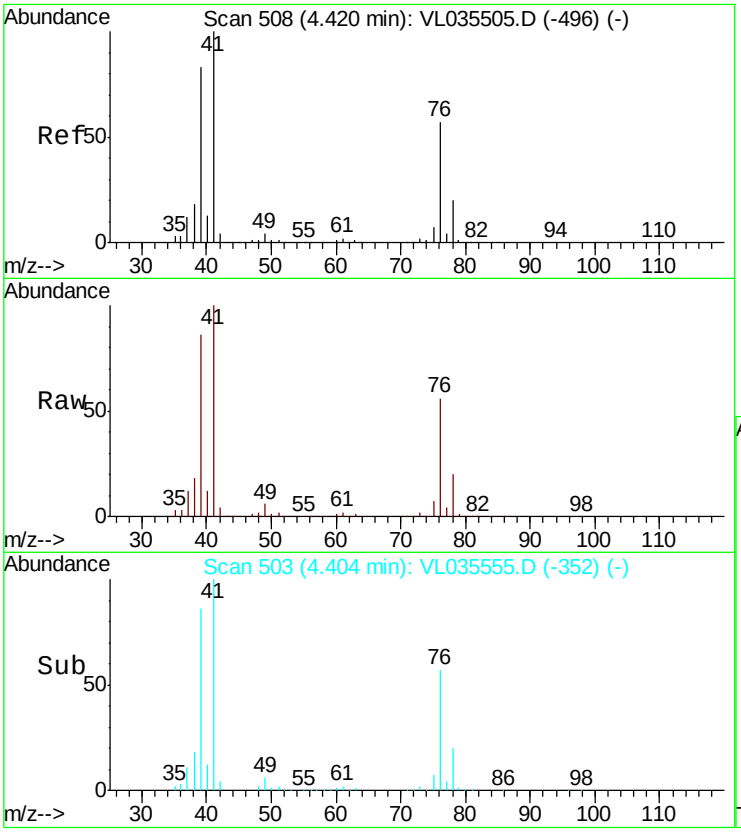


#20
Methylene Chloride
Concen: 9.105 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 84 Resp: 787813

Ion	Ratio	Lower	Upper
84	100		
49	85.6	65.4	98.0
51	26.4	21.5	32.3
86	64.3	52.9	79.3



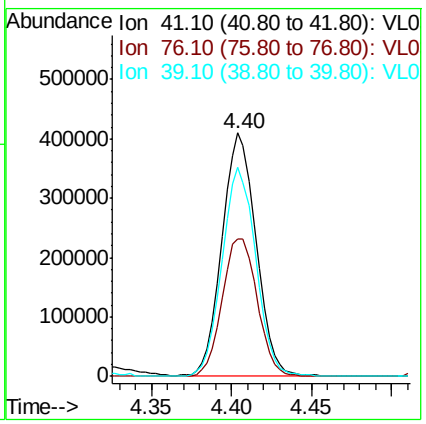


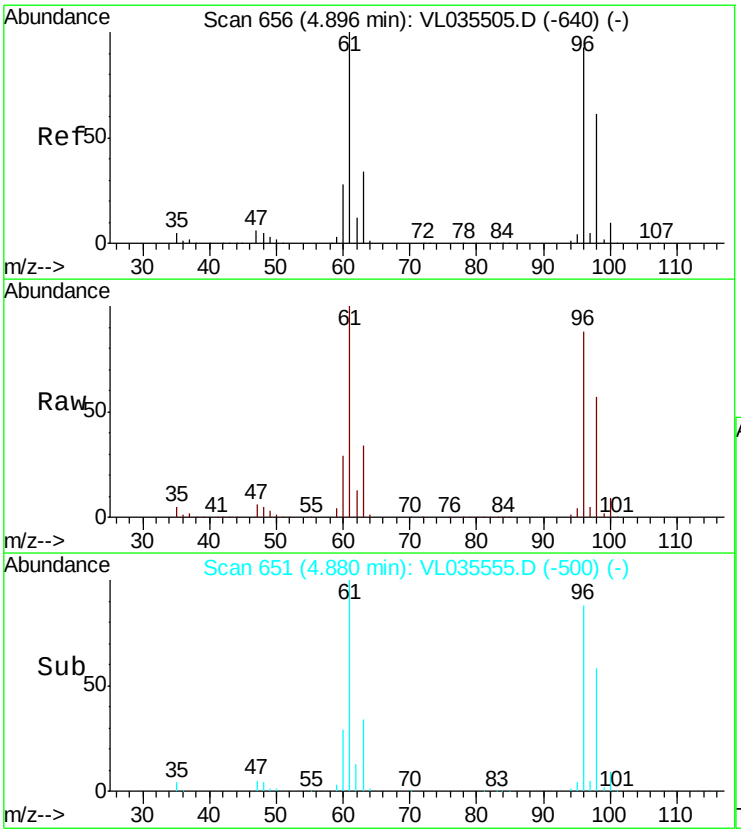
#21
Allyl Chloride
Concen: 10.815 ppbv
RT: 4.40 min Scan# 503
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion: 41 Resp: 588624

Ion	Ratio	Lower	Upper
41	100		
76	58.8	46.2	69.2
39	86.1	67.8	101.6

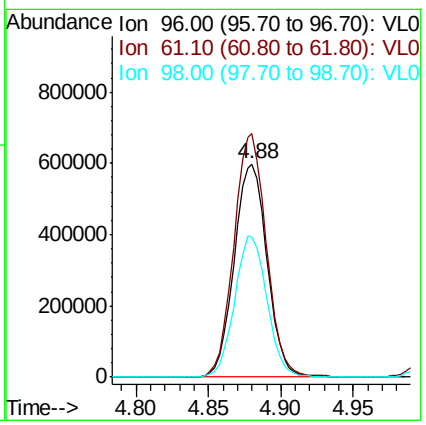


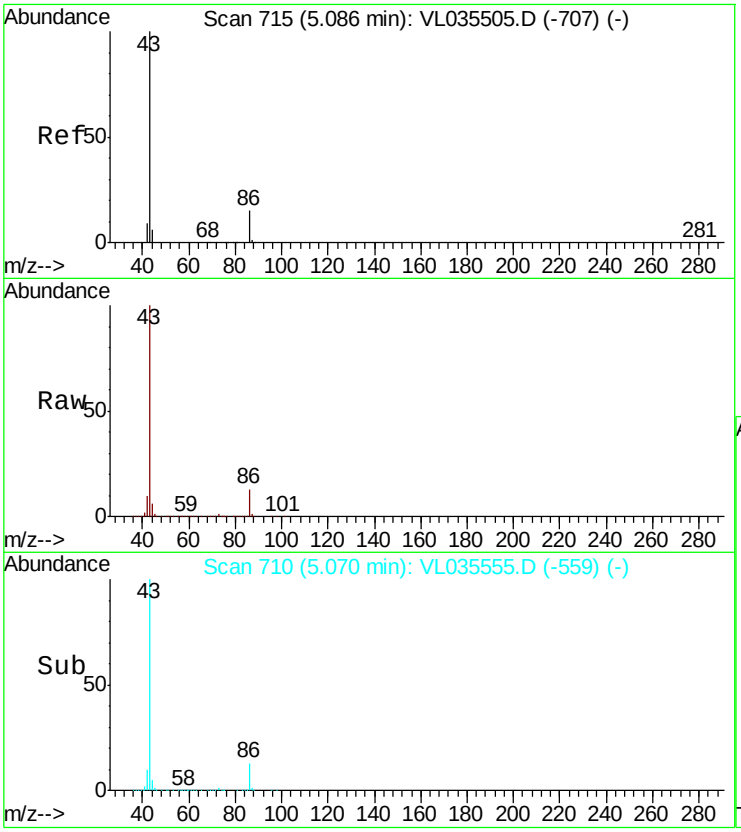


#22
trans-1,2-Dichloroethene
Concen: 9.999 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 96 Resp: 941770

Ion	Ratio	Lower	Upper
96	100		
61	114.0	86.0	129.0
98	65.5	52.3	78.5



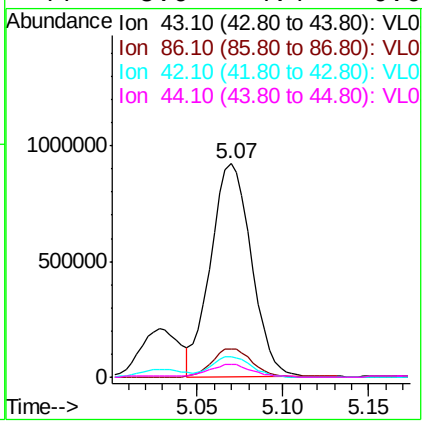


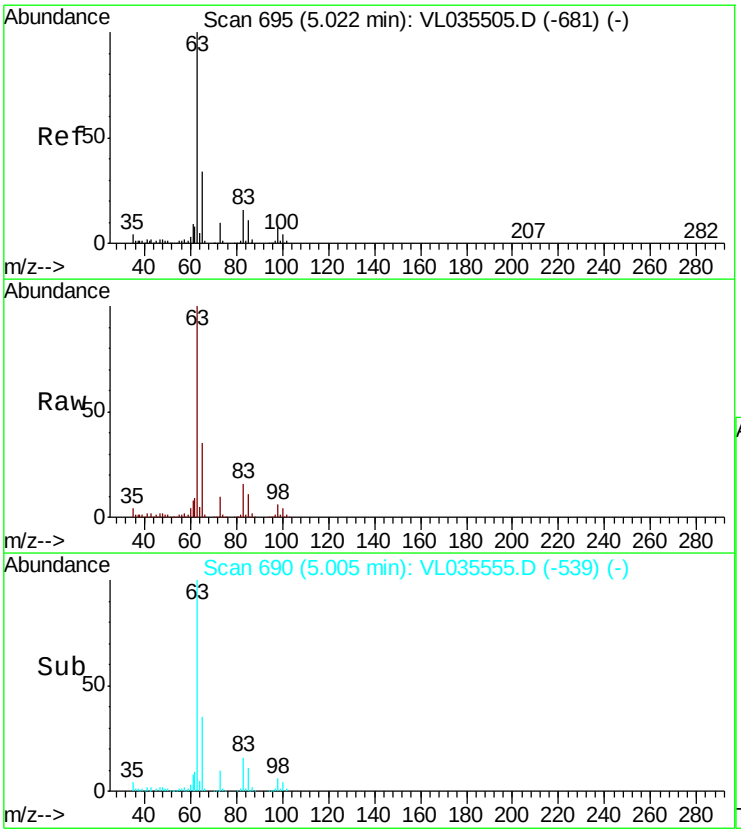
#23
Vinyl Acetate
Concen: 10.195 ppbv
RT: 5.07 min Scan# 710
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion: 43 Resp: 1520041

Ion	Ratio	Lower	Upper
43	100		
86	13.3	10.6	16.0
42	9.8	7.5	11.3
44	5.6	4.4	6.6

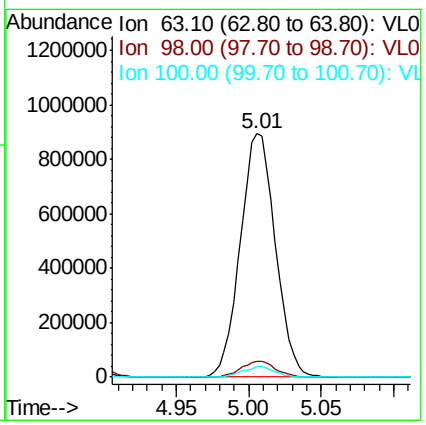


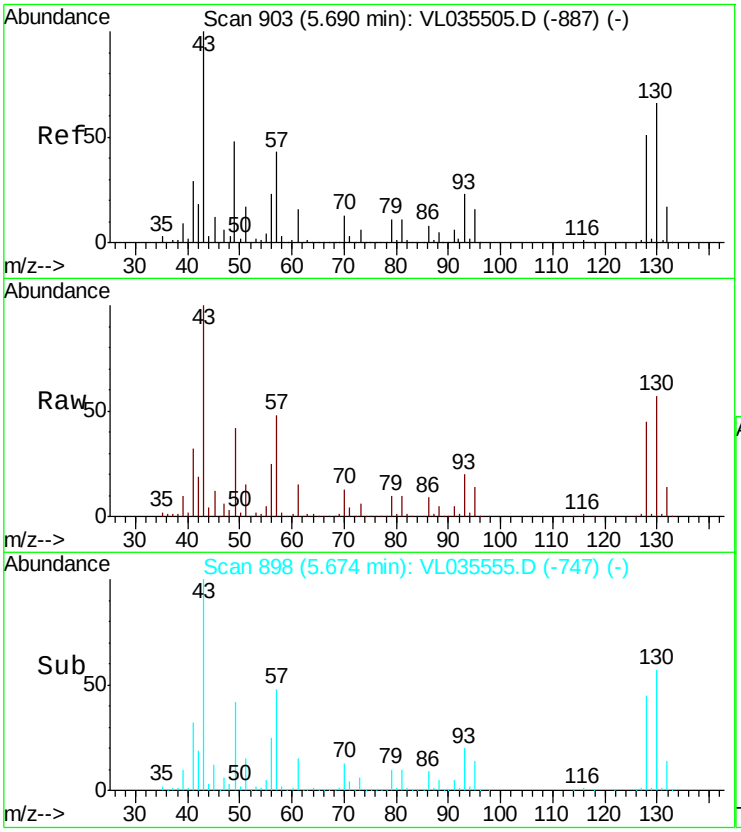


#24
1,1-Dichloroethane
Concen: 9.790 ppbv
RT: 5.01 min Scan# 690
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 63 Resp: 1502220

Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.4	10.1
100	4.1	2.1	6.5



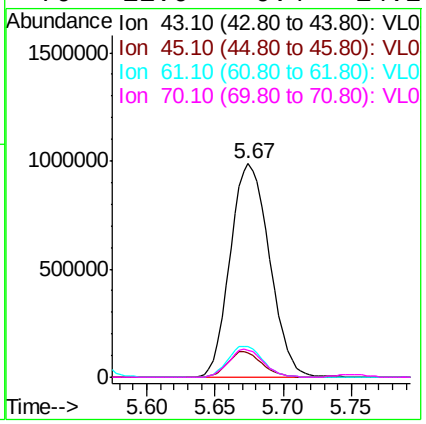


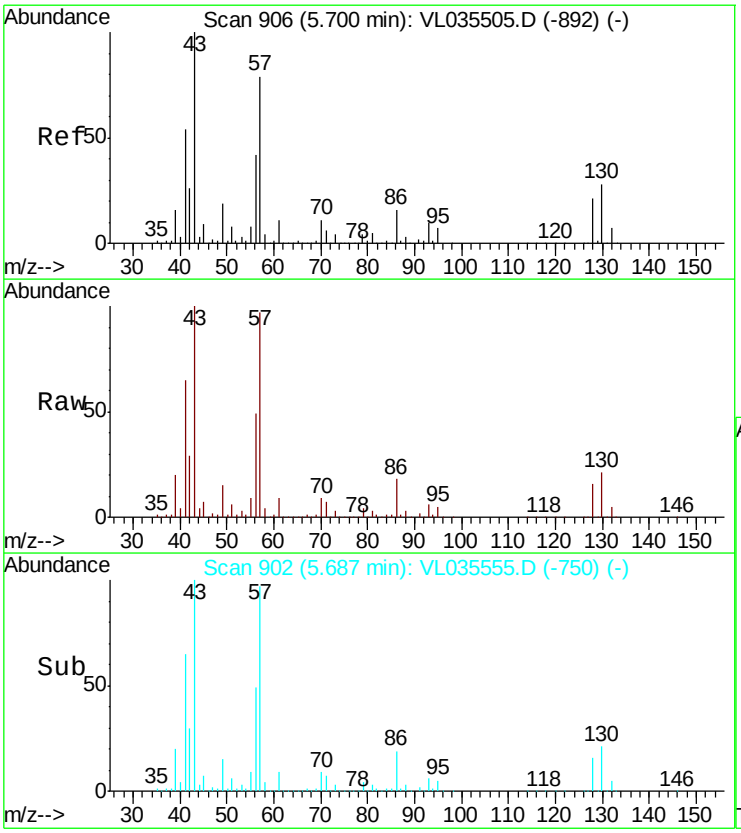
#25
Ethyl Acetate
Concen: 9.631 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion: 43 Resp: 1976506

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.4	12.6
61	13.2	10.6	16.0
70	11.6	9.4	14.2

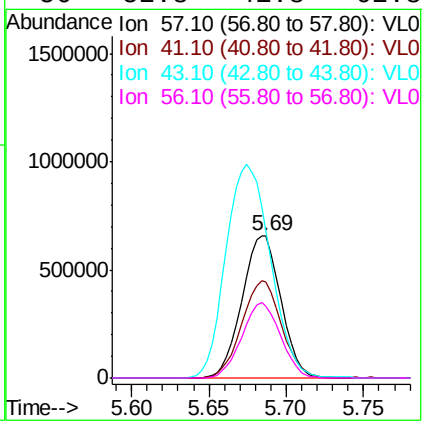


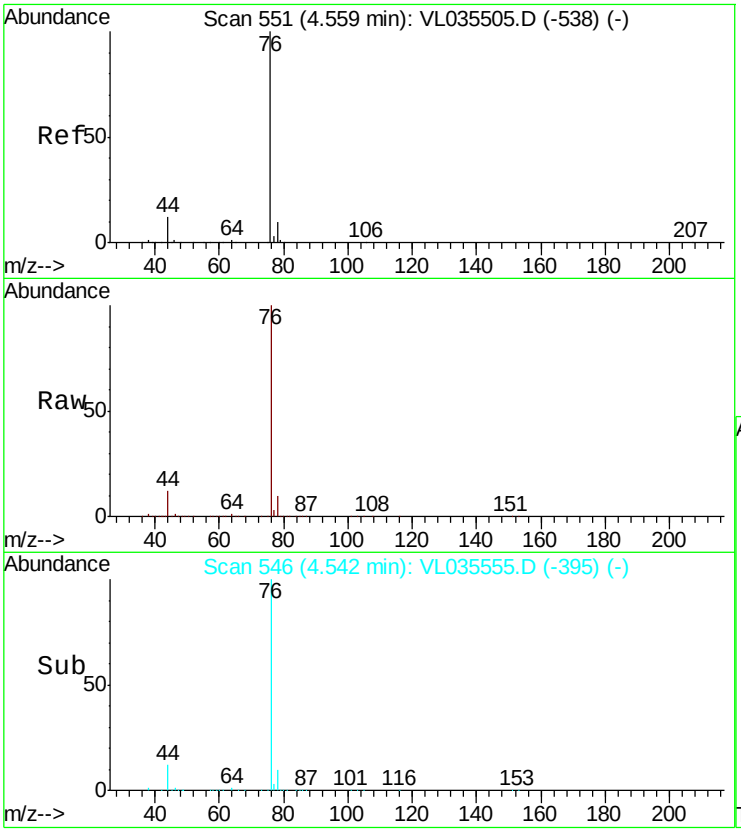


#26
Hexane
Concen: 9.859 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 57 Resp: 1146410

Ion	Ratio	Lower	Upper
57	100		
41	70.7	55.9	83.9
43	173.3	141.8	212.8
56	52.8	41.8	62.8

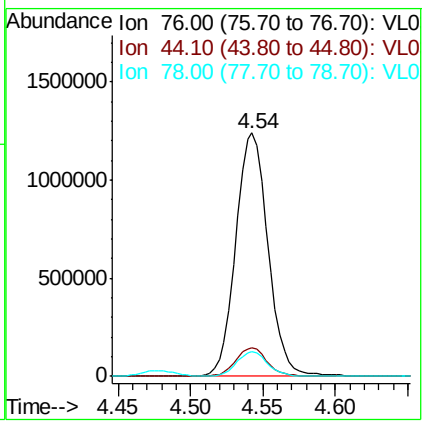




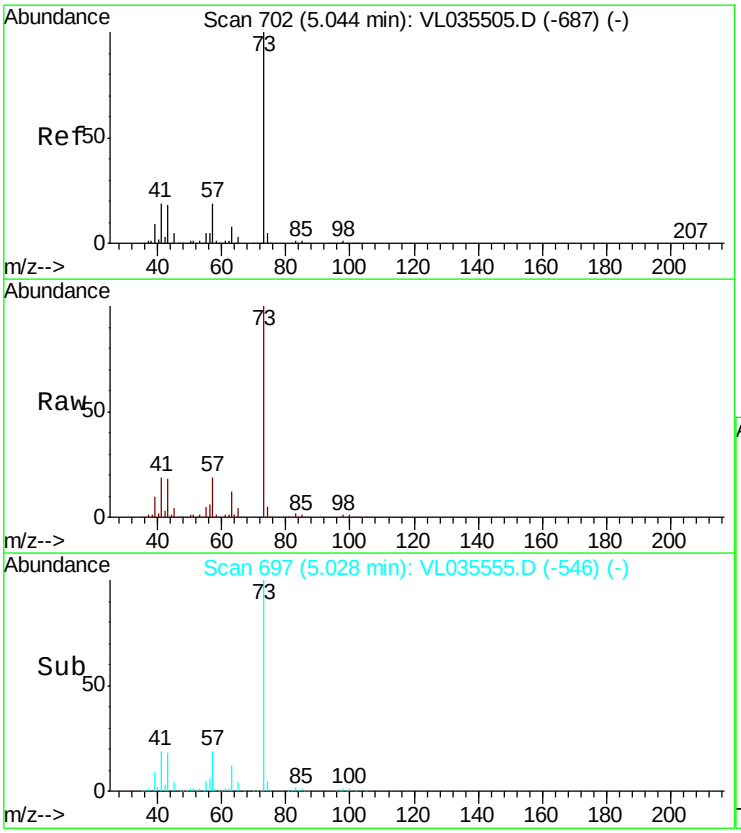
#27
Carbon Disulfide
Concen: 11.452 ppbv
RT: 4.54 min Scan# 546
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 76 Resp: 1910939

Ion	Ratio	Lower	Upper
76	100		
44	11.5	9.3	13.9
78	9.7	7.8	11.6



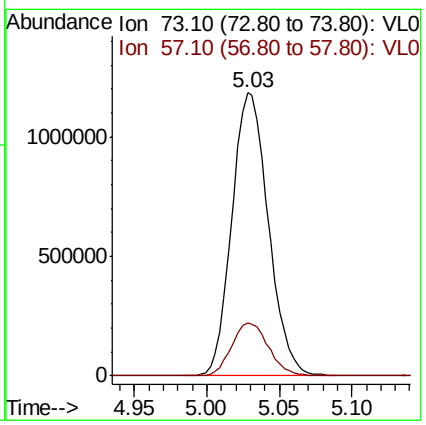
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

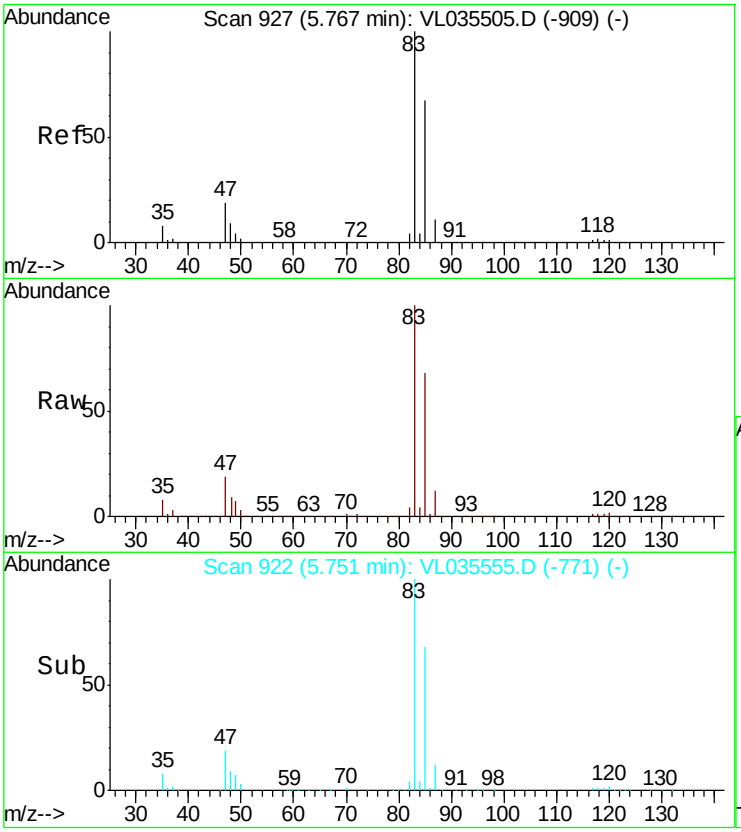


#28
Methyl tert-Butyl Ether
Concen: 10.226 ppbv
RT: 5.03 min Scan# 697
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 73 Resp: 2072390

Ion	Ratio	Lower	Upper
73	100		
57	19.0	15.2	22.8



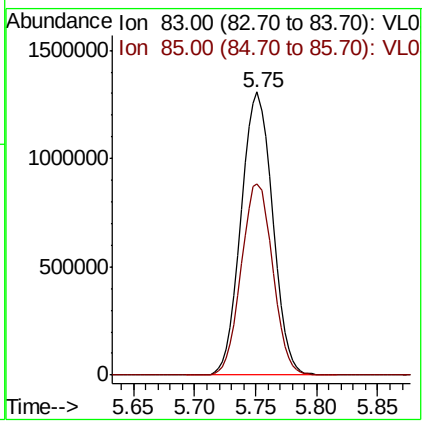


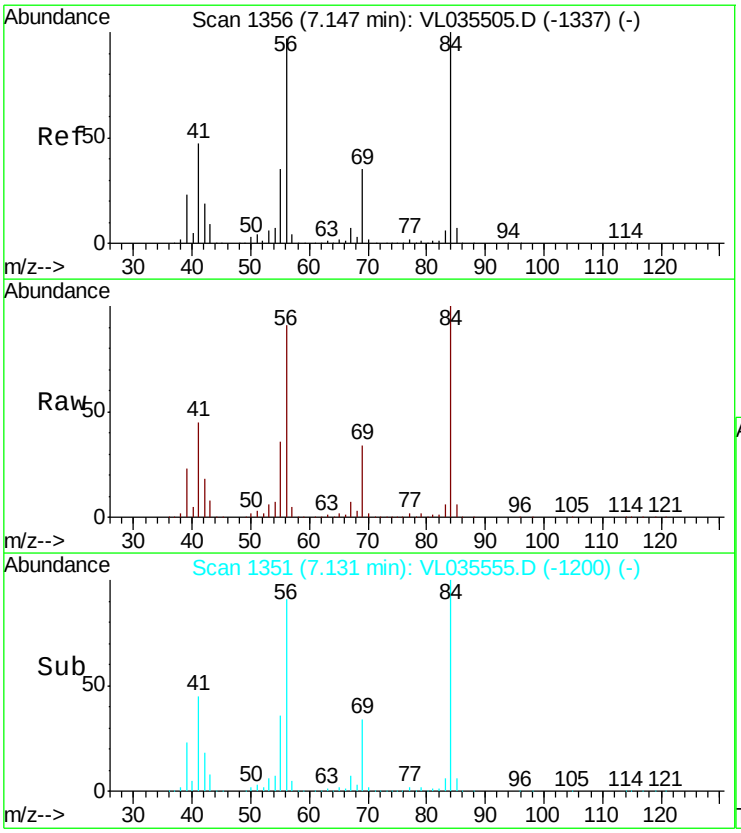
#29
Chloroform
Concen: 9.831 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion: 83 Resp: 2329205

Ion	Ratio	Lower	Upper
83	100		
85	67.4	53.9	80.9

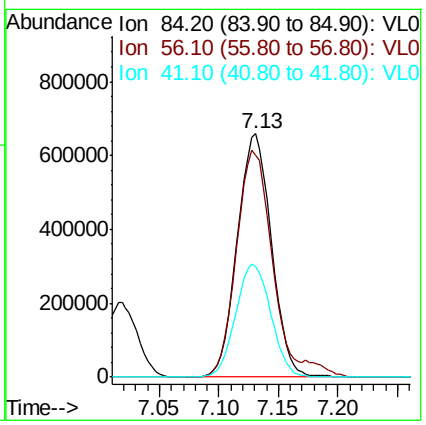


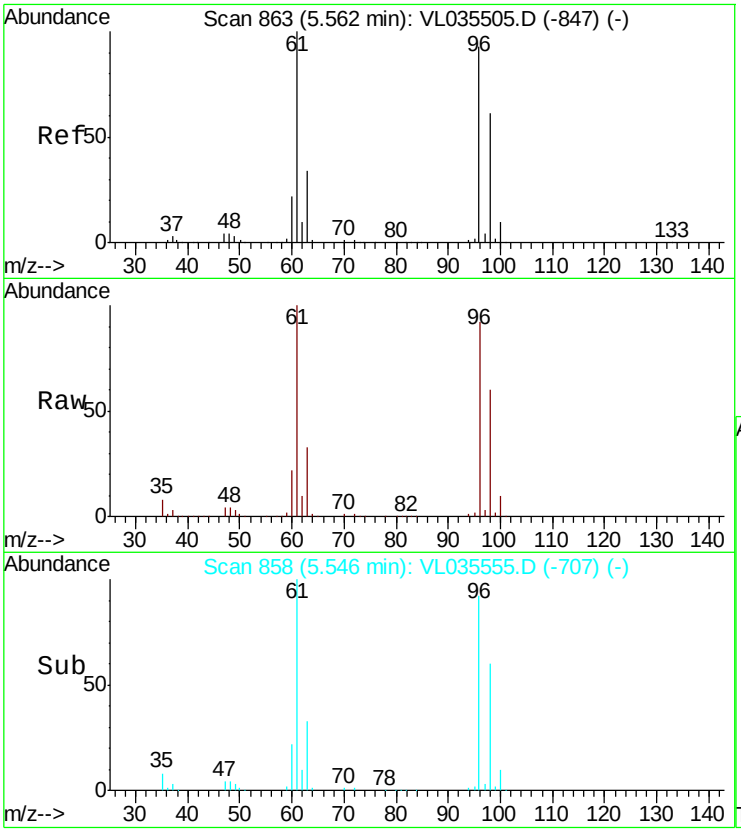


#30
Cyclohexane
Concen: 10.500 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 84 Resp: 1308020

Ion	Ratio	Lower	Upper
84	100		
56	100.5	80.1	120.1
41	47.8	38.1	57.1



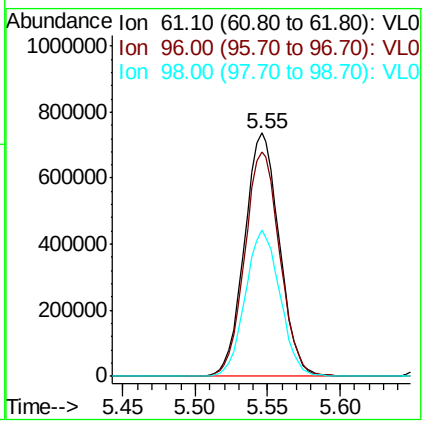


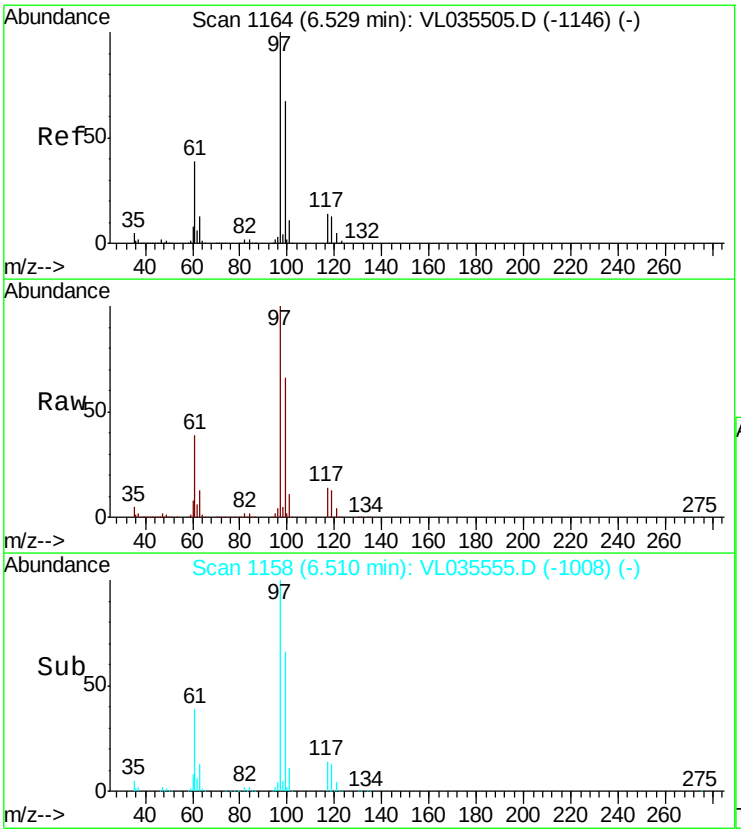
#31
cis-1,2-Dichloroethene
Concen: 10.345 ppbv
RT: 5.55 min Scan# 858
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion: 61 Resp: 1234170

Ion	Ratio	Lower	Upper
61	100		
96	92.2	74.4	111.6
98	60.2	49.2	73.8

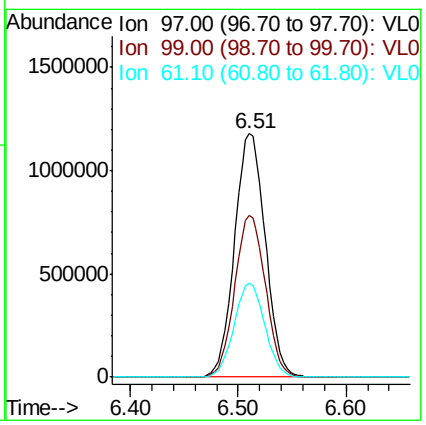


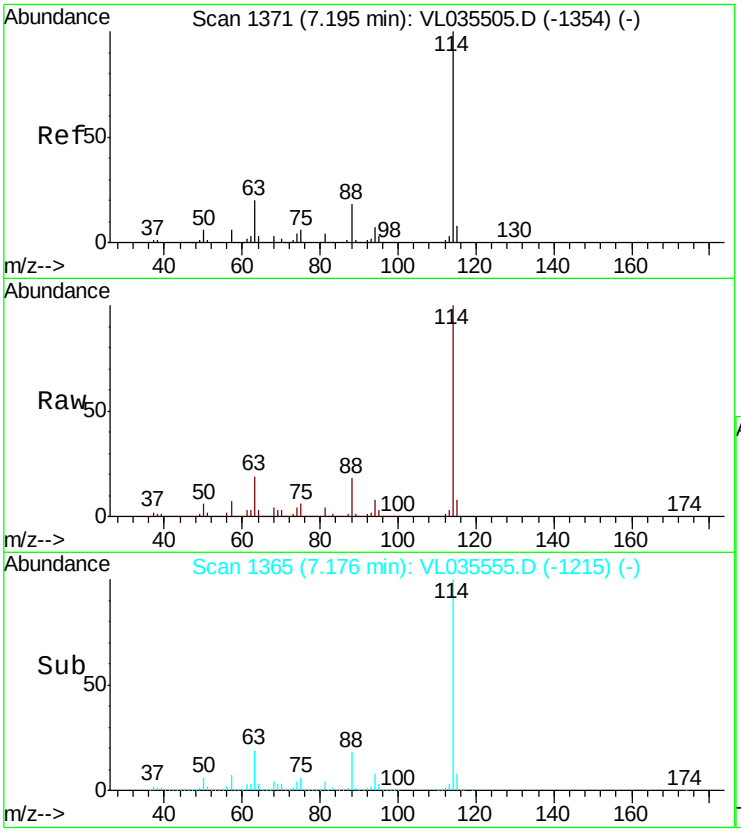


#32
1,1,1-Trichloroethane
Concen: 10.214 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 97 Resp: 2347519

Ion	Ratio	Lower	Upper
97	100		
99	66.3	53.3	79.9
61	38.5	30.6	46.0



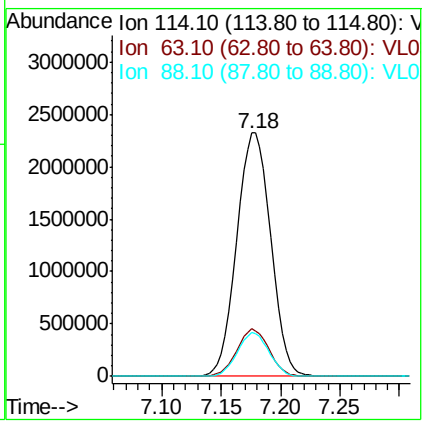


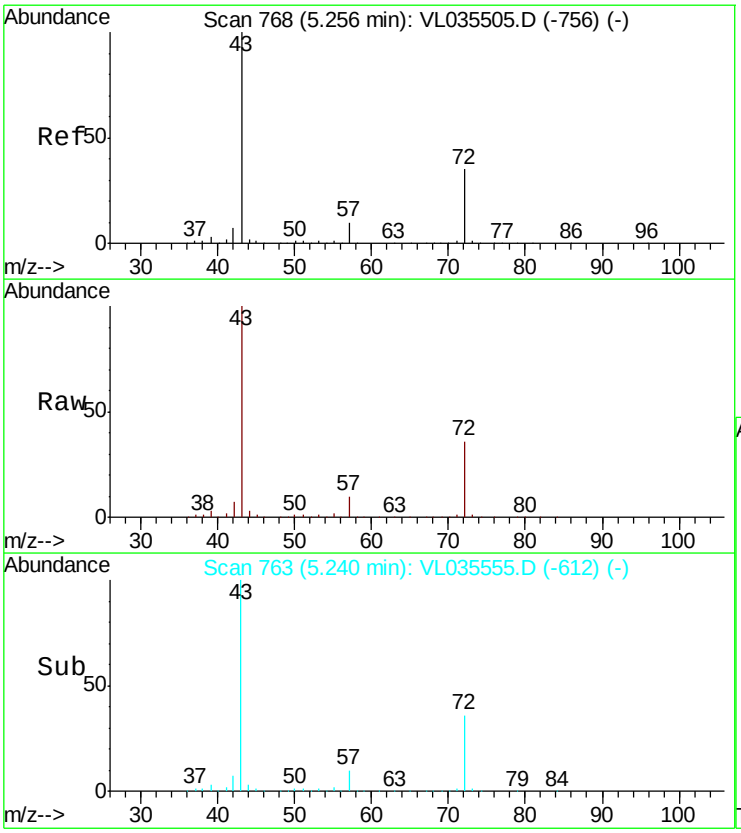
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion:114 Resp: 4600884

Ion	Ratio	Lower	Upper
114	100		
63	18.6	14.7	22.1
88	16.8	13.4	20.2

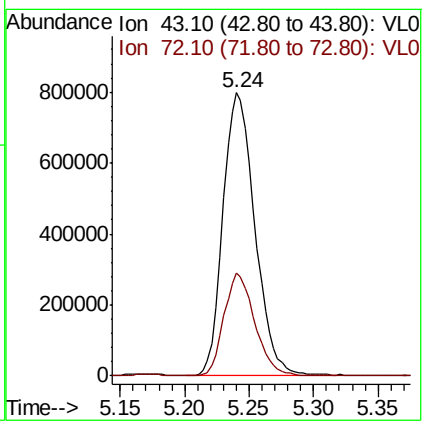


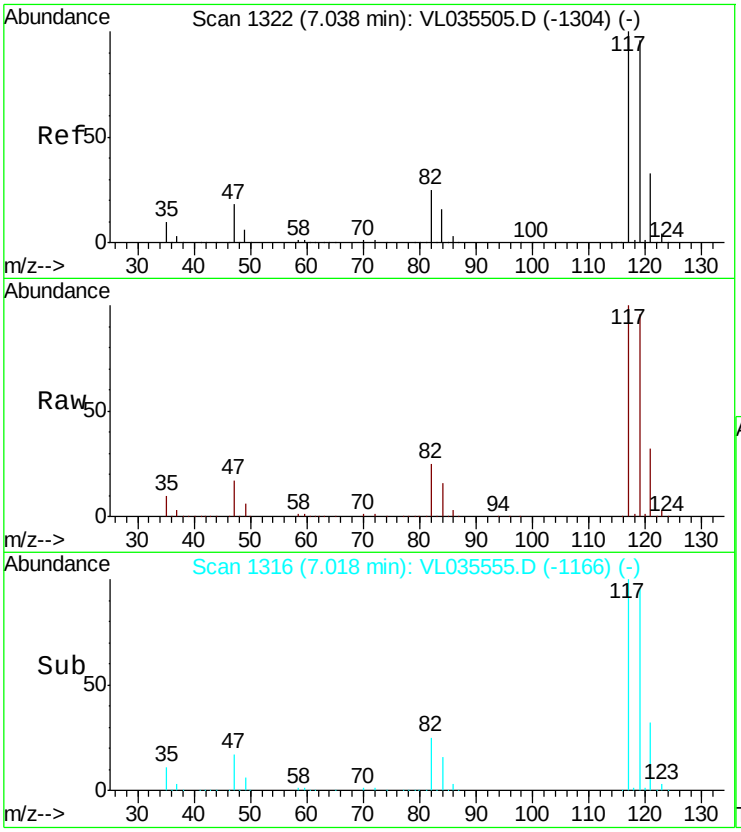


#34
2-Butanone
Concen: 10.015 ppbv
RT: 5.24 min Scan# 763
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 43 Resp: 1367419

Ion	Ratio	Lower	Upper
43	100		
72	35.1	27.7	41.5



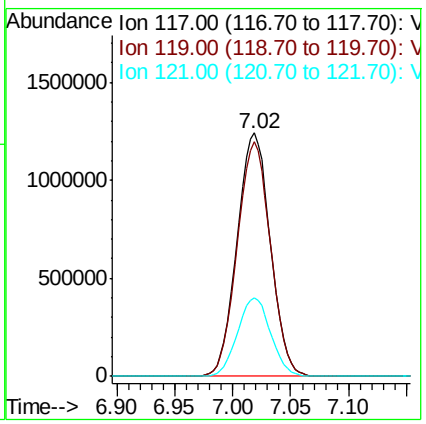


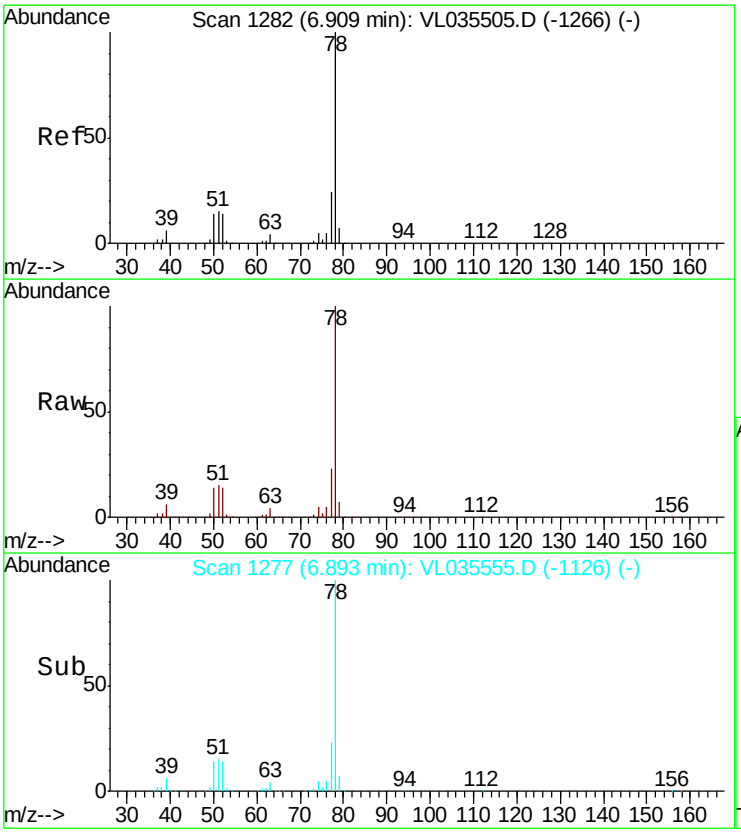
#35
Carbon Tetrachloride
Concen: 10.693 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion:117 Resp: 2472576

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.2	115.8
121	32.5	26.1	39.1

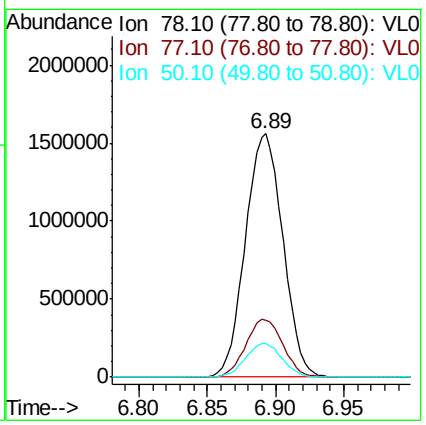


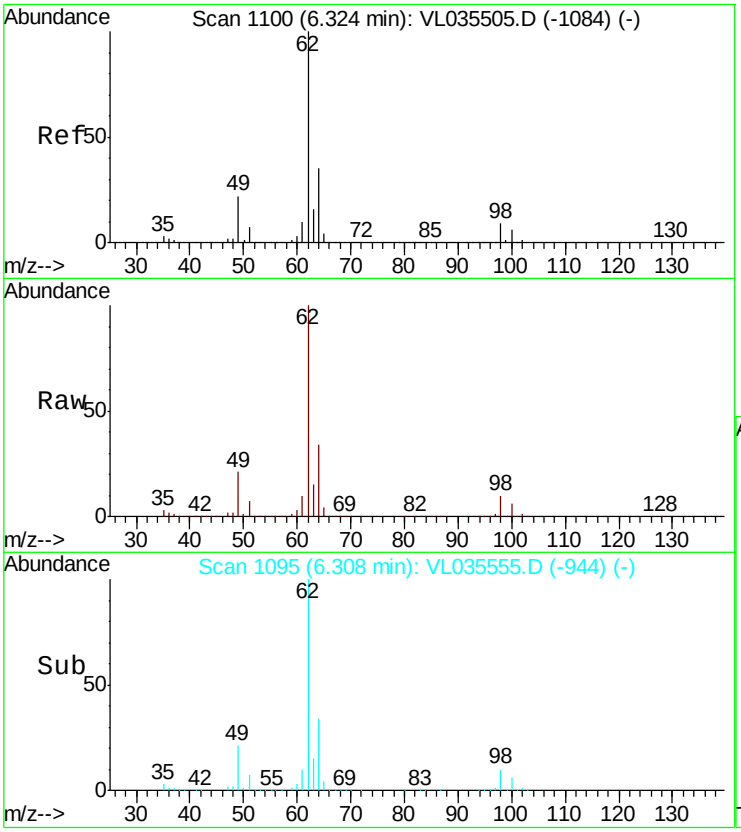


#36
Benzene
Concen: 10.012 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 78 Resp: 2981931

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.3	28.9
50	13.9	11.0	16.6



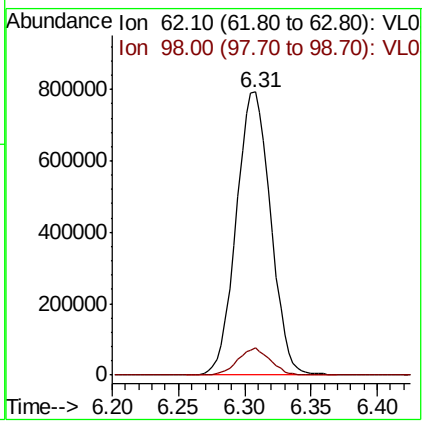


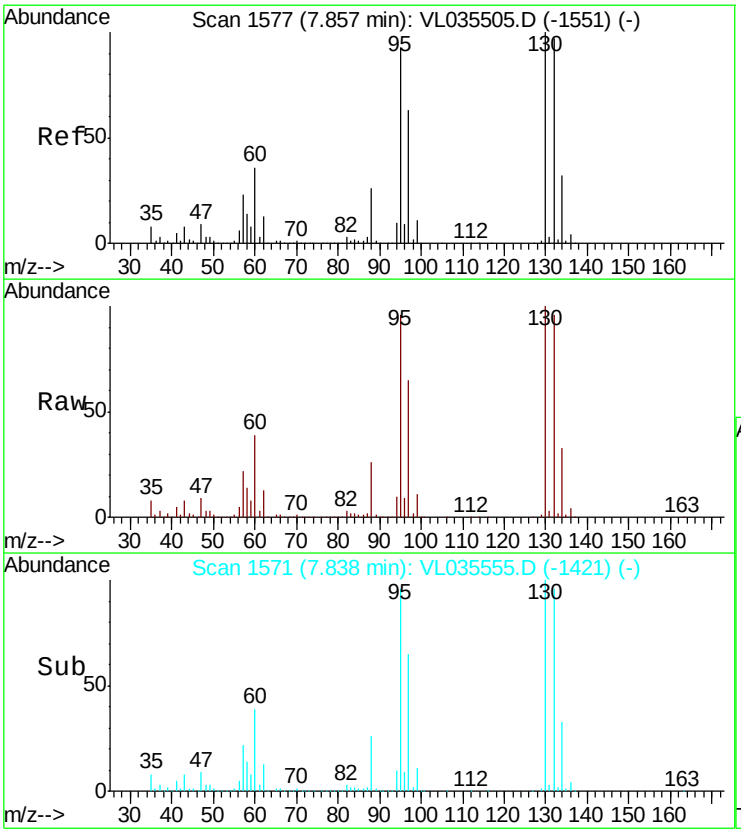
#37
1,2-Dichloroethane
Concen: 10.076 ppbv
RT: 6.31 min Scan# 1095
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion: 62 Resp: 1430690

Ion	Ratio	Lower	Upper
62	100		
98	9.1	7.4	11.0

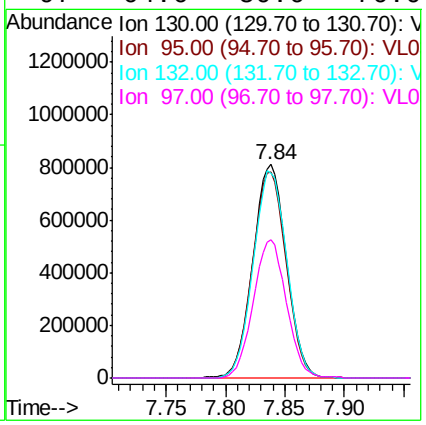


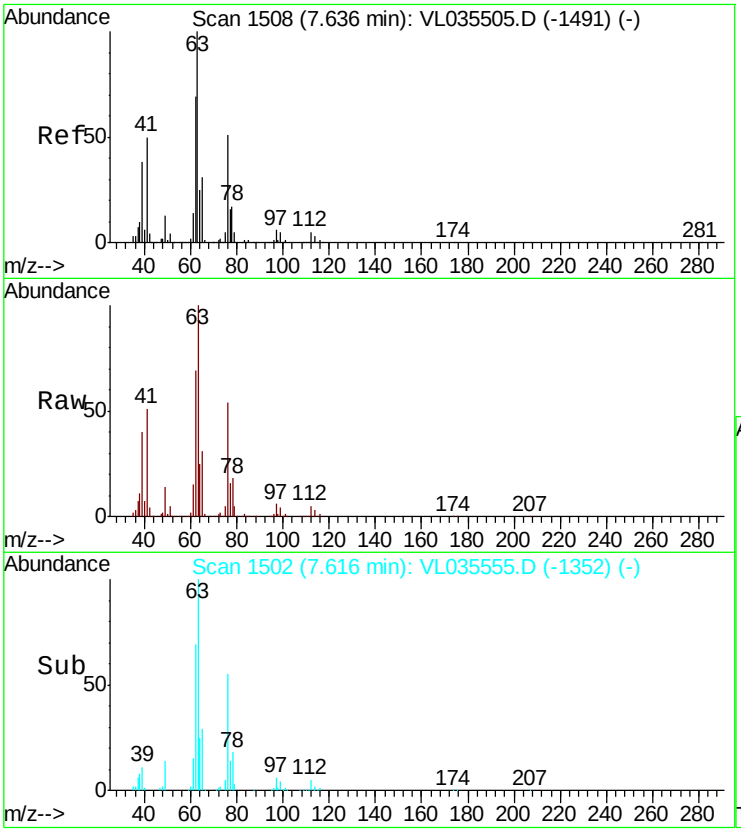


#38
Trichloroethene
Concen: 9.129 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion:130 Resp: 1579353

Ion	Ratio	Lower	Upper
130	100		
95	96.4	74.6	112.0
132	96.1	77.6	116.4
97	64.6	50.6	76.0



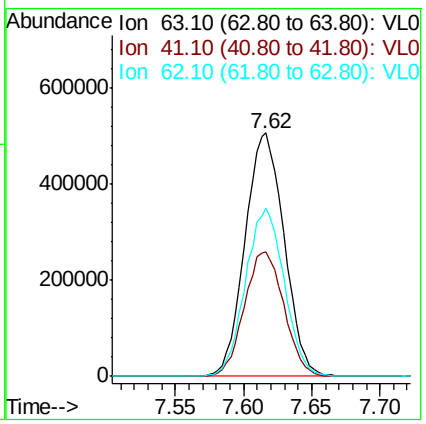


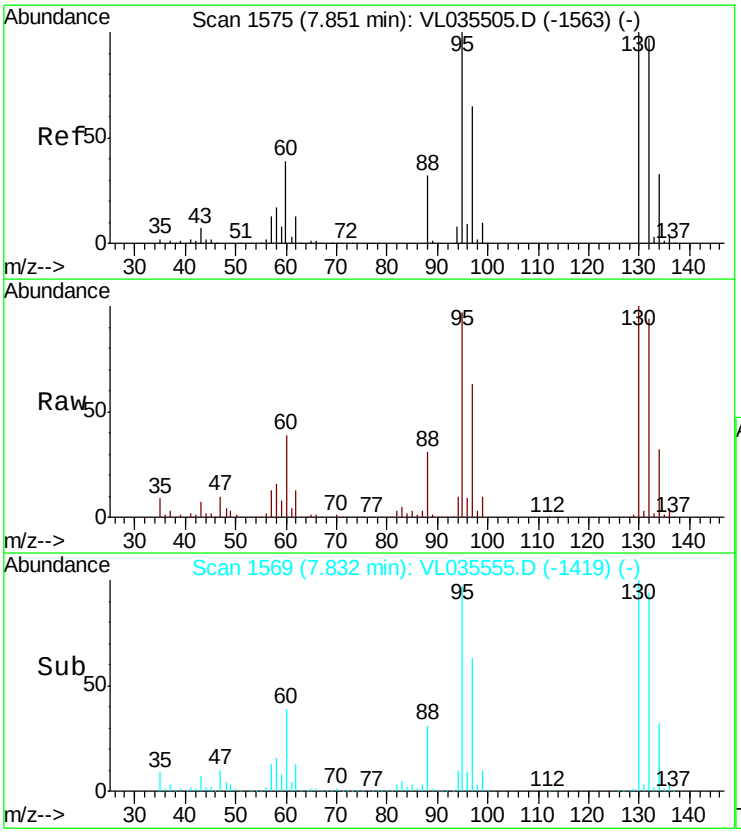
#39
1,2-Dichloropropane
Concen: 10.014 ppbv
RT: 7.62 min Scan# 1502
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion: 63 Resp: 1007438

Ion	Ratio	Lower	Upper
63	100		
41	51.1	40.0	60.0
62	68.8	55.4	83.0

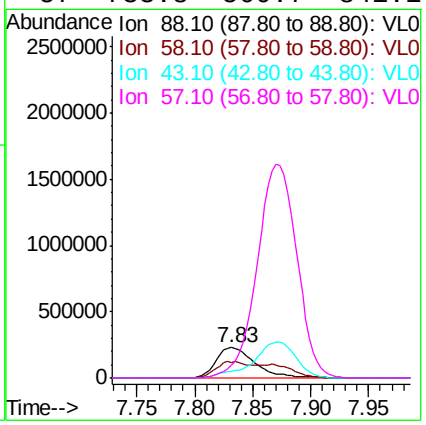


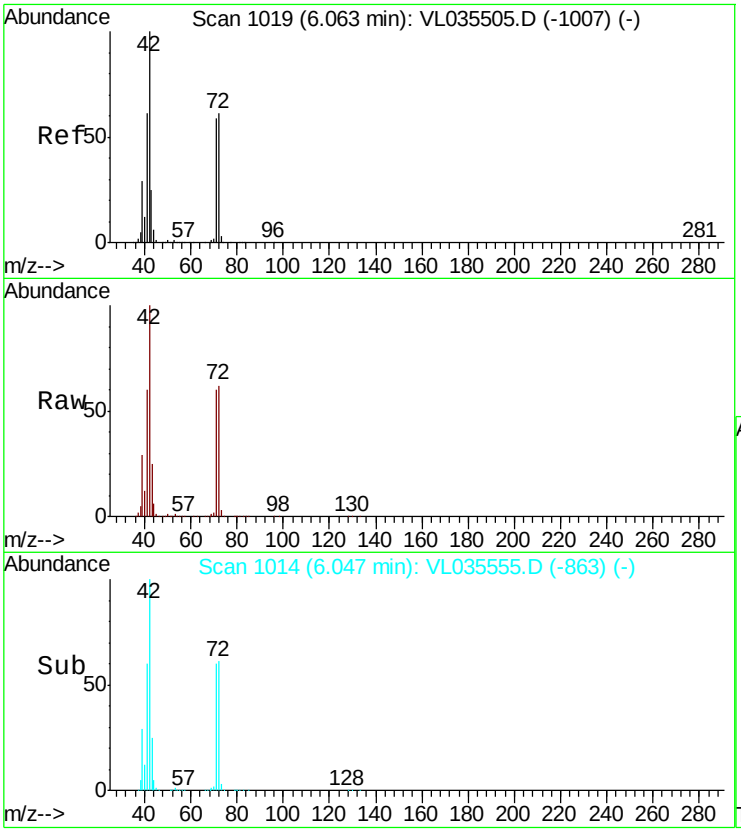


#40
1,4-Dioxane
Concen: 10.453 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 88 Resp: 525337

Ion	Ratio	Lower	Upper
88	100		
58	89.3	68.7	103.1
43	135.2	104.3	156.5
57	733.8	560.7	841.1



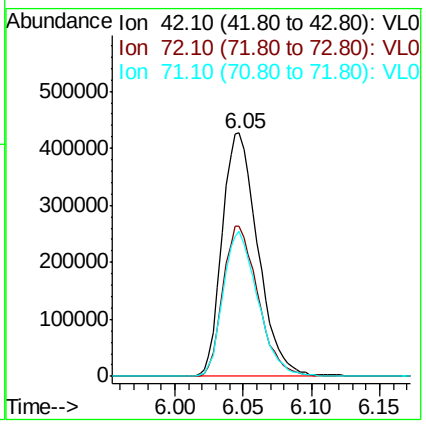


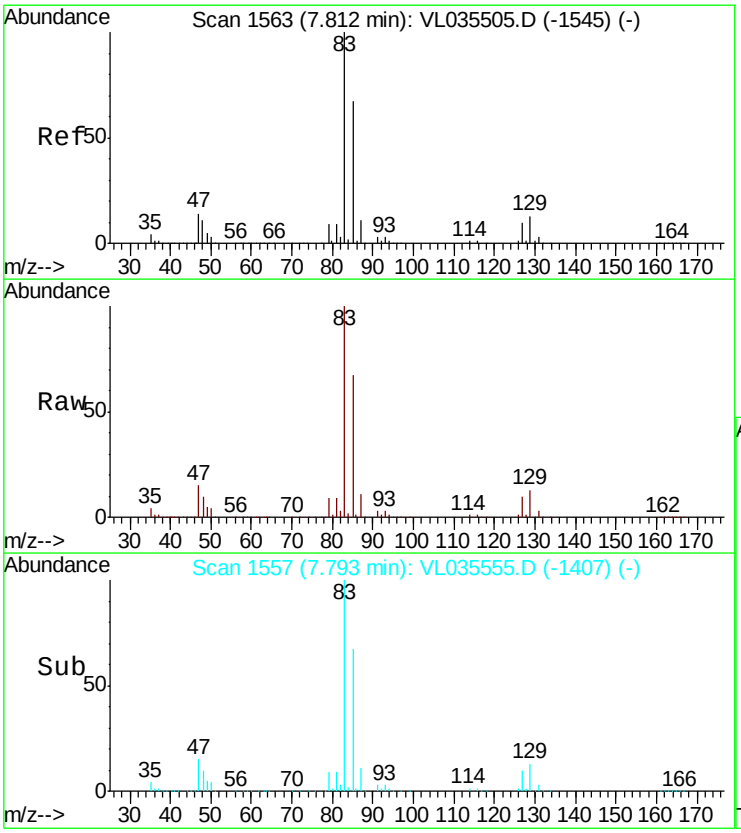
#41
Tetrahydrofuran
Concen: 10.702 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion: 42 Resp: 774844

Ion	Ratio	Lower	Upper
42	100		
72	61.1	48.6	73.0
71	58.2	46.1	69.1

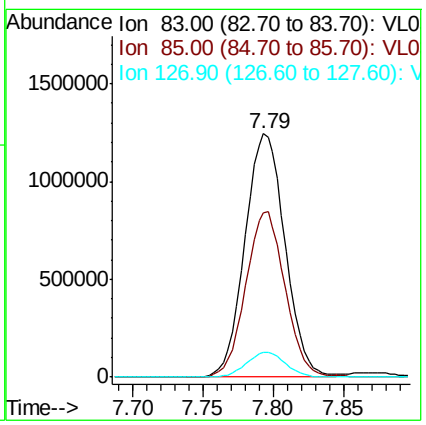


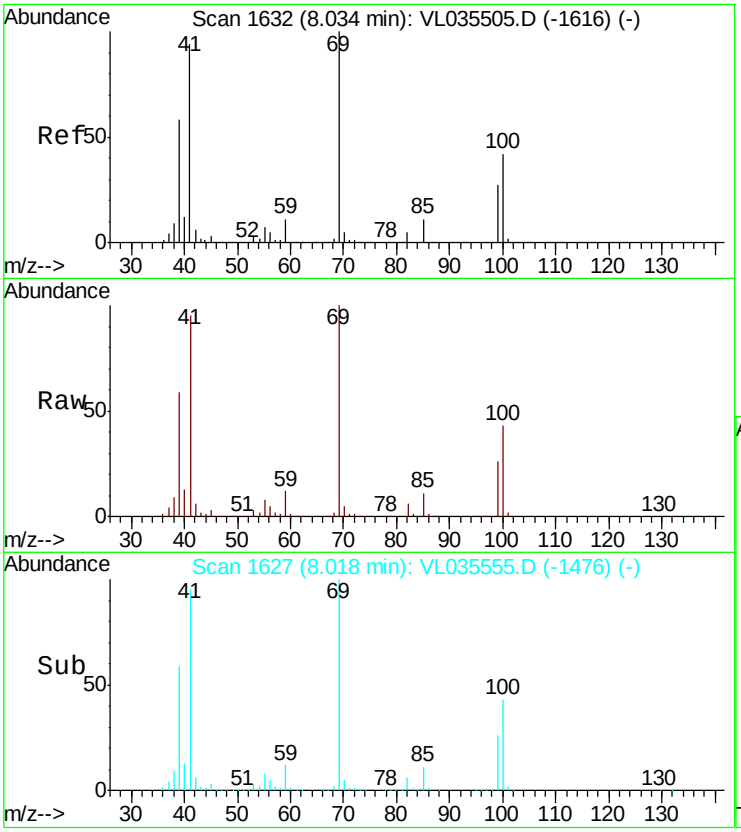


#42
Bromodichloromethane
Concen: 10.789 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 83 Resp: 2477346

Ion	Ratio	Lower	Upper
83	100		
85	67.3	53.7	80.5
127	10.2	8.1	12.1



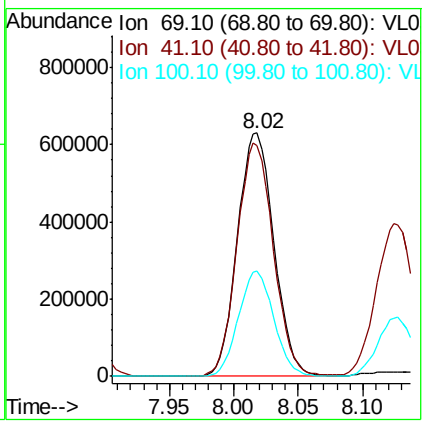


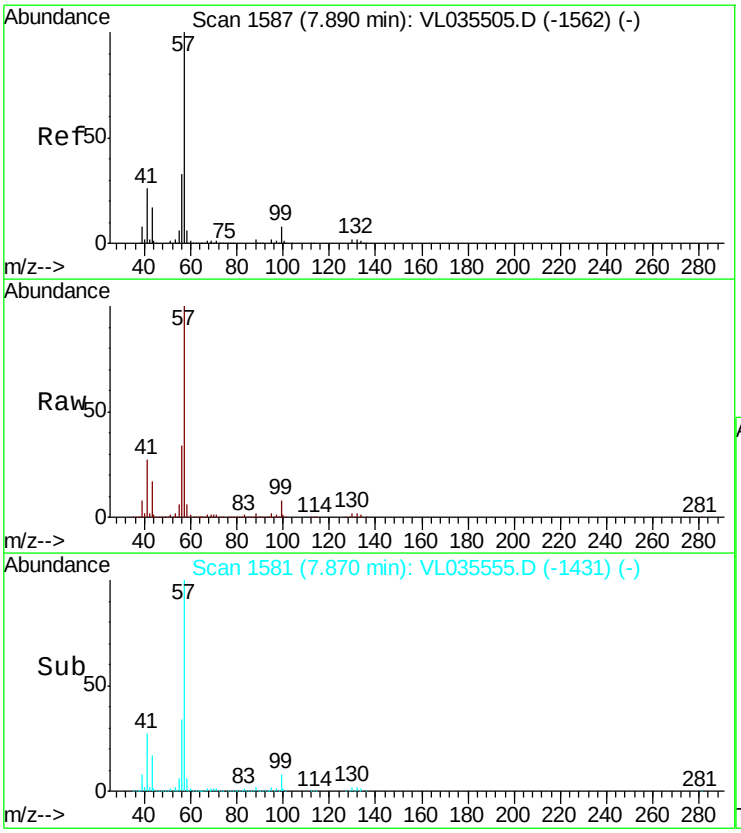
#43
Methyl Methacrylate
Concen: 10.823 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion: 69 Resp: 1246341

Ion	Ratio	Lower	Upper
69	100		
41	95.3	76.6	114.8
100	41.8	33.8	50.6

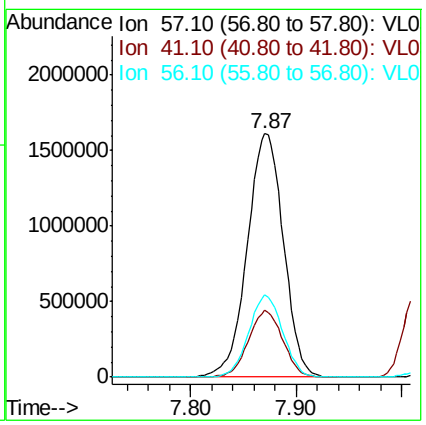


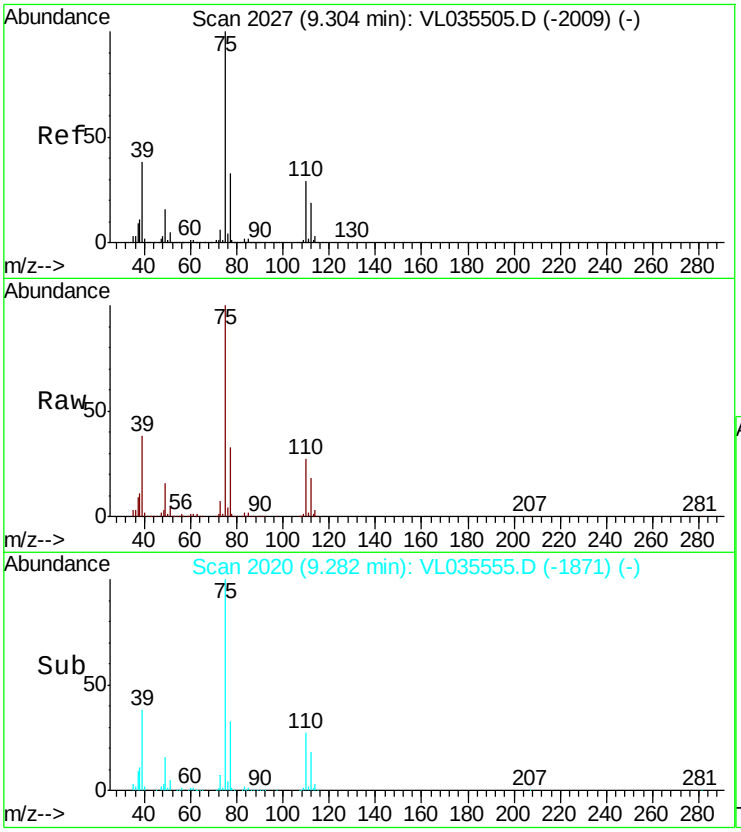


#44
2,2,4-Trimethylpentane
Concen: 9.825 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 57 Resp: 3850267

Ion	Ratio	Lower	Upper
57	100		
41	25.9	20.5	30.7
56	31.7	25.3	37.9



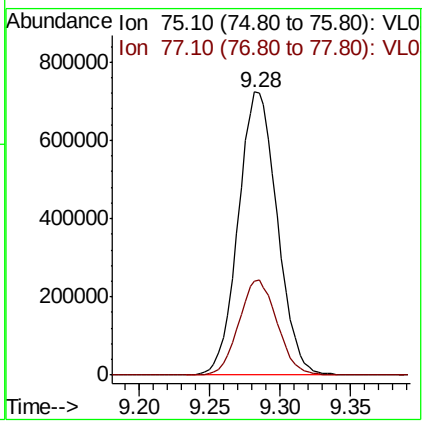


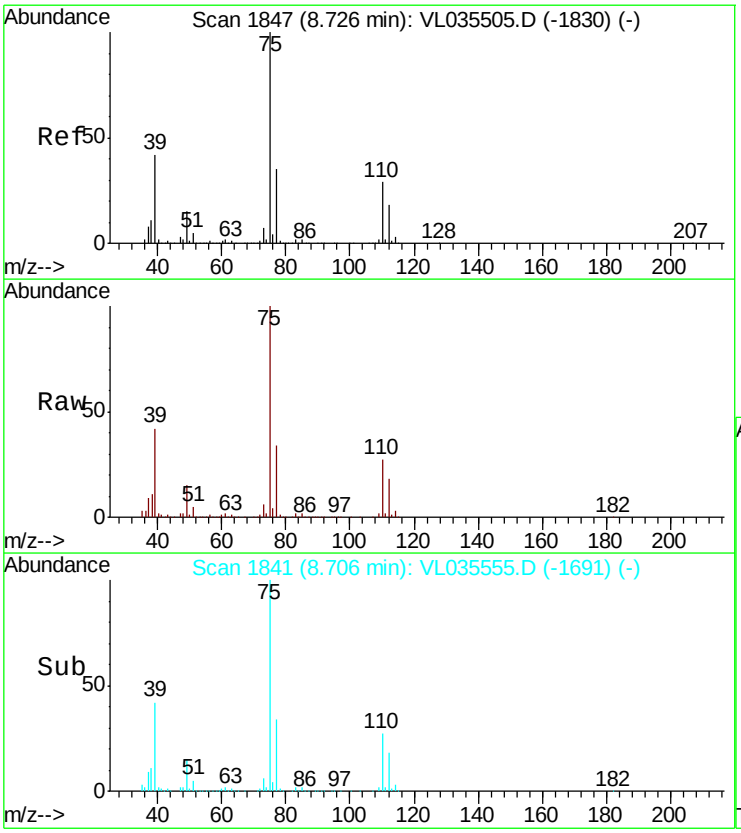
#45
t-1,3-Dichloropropene
Concen: 11.996 ppbv
RT: 9.28 min Scan# 2020
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion: 75 Resp: 1399510

Ion	Ratio	Lower	Upper
75	100		
77	33.3	26.5	39.7

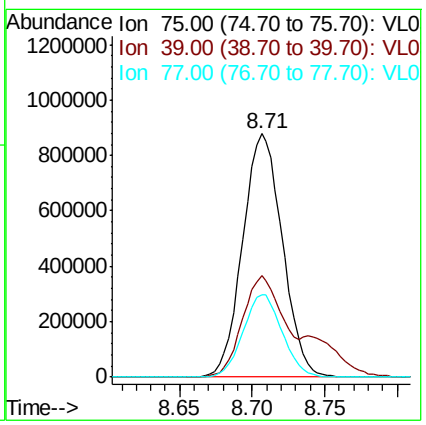


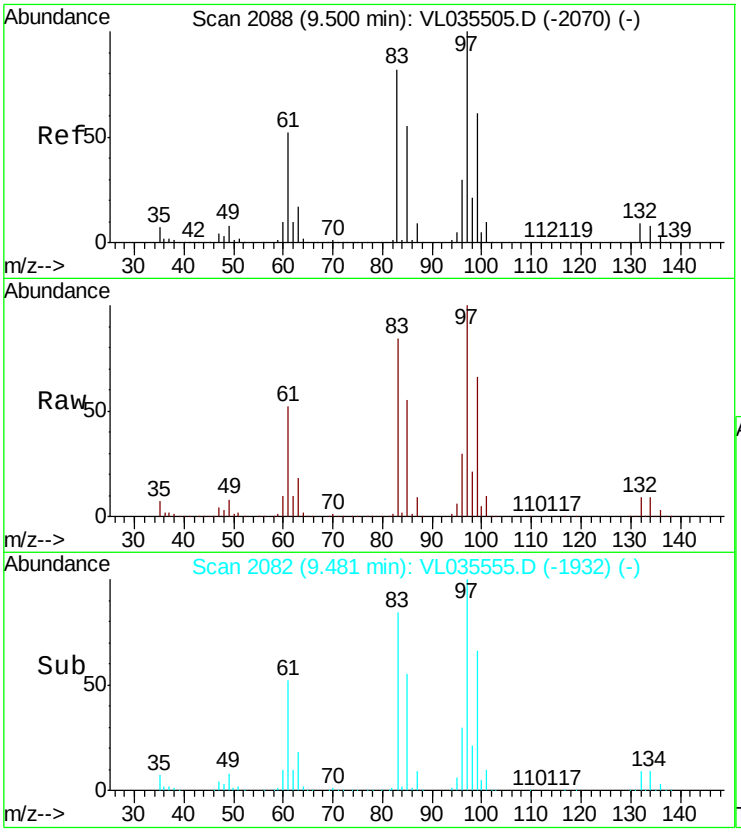


#46
cis-1,3-Dichloropropene
Concen: 11.560 ppbv
RT: 8.71 min Scan# 1841
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 75 Resp: 1674441

Ion	Ratio	Lower	Upper
75	100		
39	41.8	33.7	50.5
77	33.9	27.8	41.6



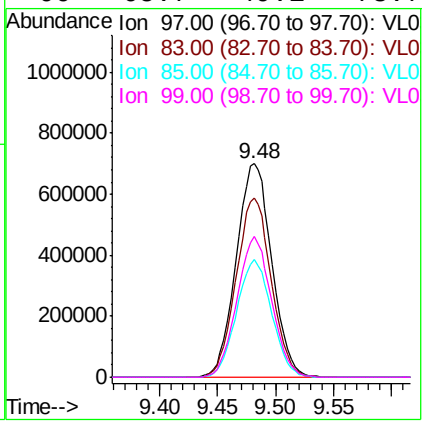


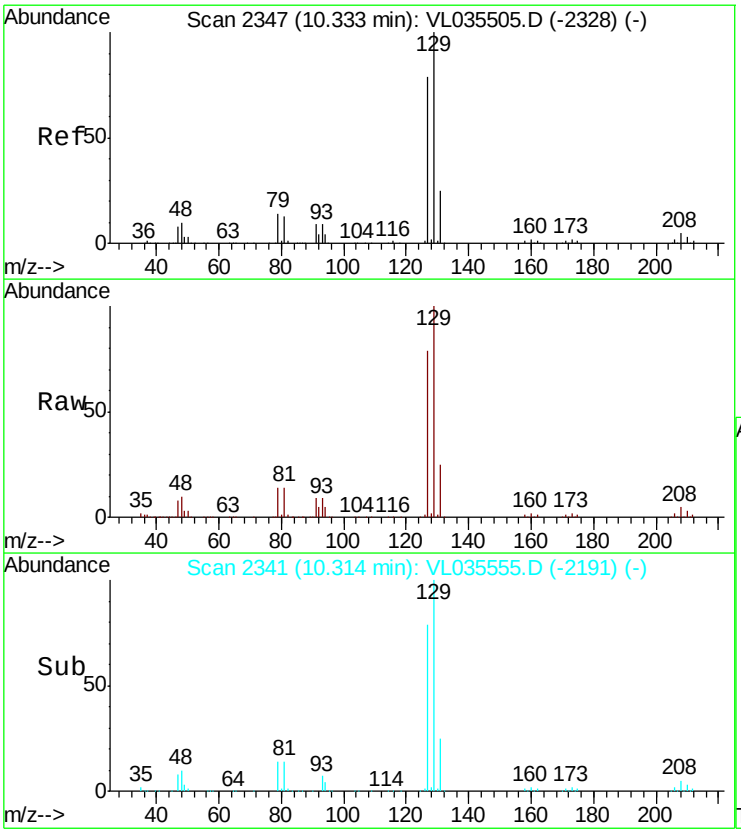
#47
1,1,2-Trichloroethane
Concen: 10.031 ppbv
RT: 9.48 min Scan# 2082
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion: 97 Resp: 1489109

Ion	Ratio	Lower	Upper
97	100		
83	83.9	65.4	98.2
85	55.1	43.7	65.5
99	65.7	49.1	73.7

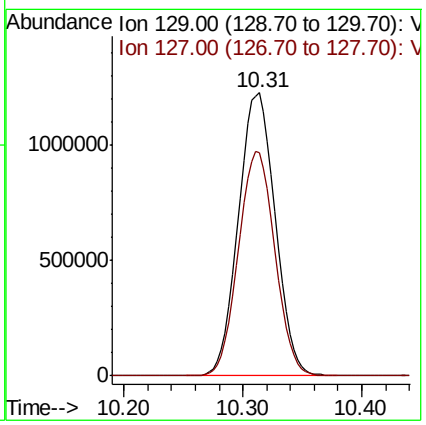


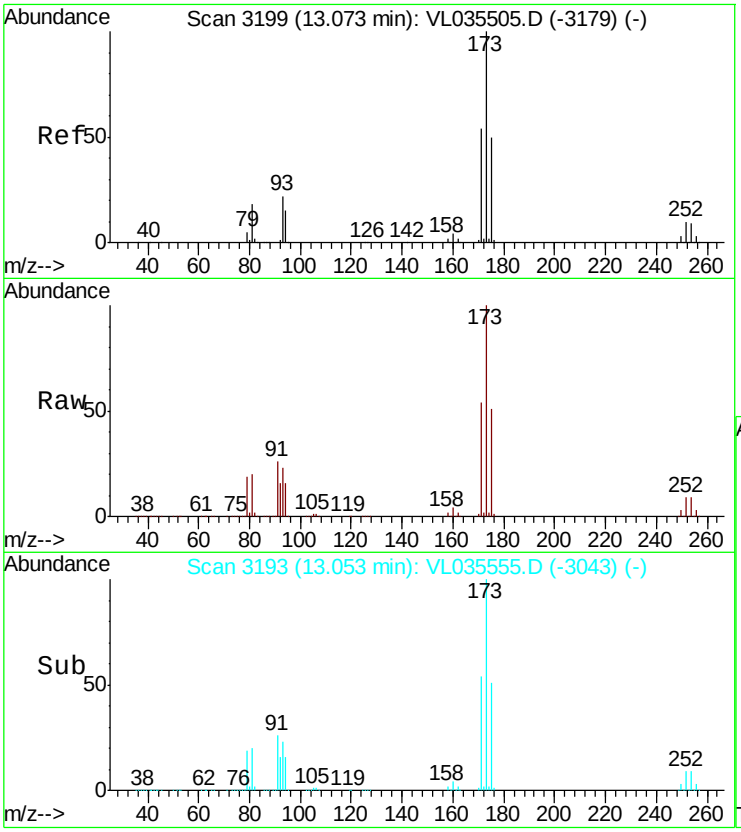


#48
Dibromochloromethane
Concen: 11.255 ppbv
RT: 10.31 min Scan# 2341
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion:129 Resp: 2629632

Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.3	117.8



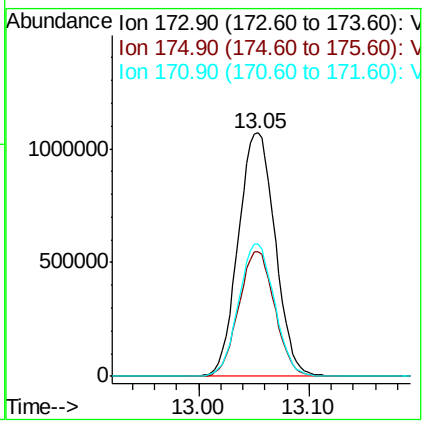


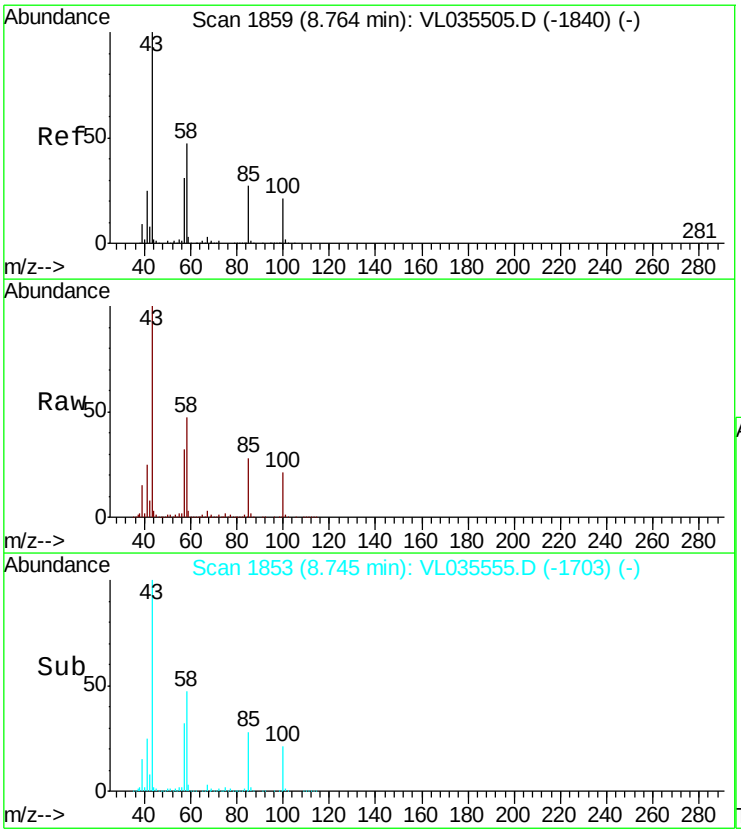
#49
Bromoform
Concen: 11.727 ppbv
RT: 13.05 min Scan# 3193
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion:173 Resp: 2483190

Ion	Ratio	Lower	Upper
173	100		
175	50.2	39.8	59.8
171	53.2	42.4	63.6

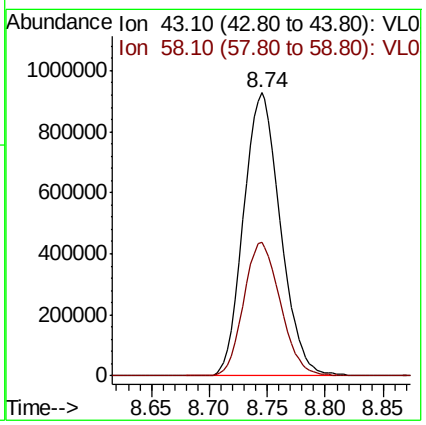


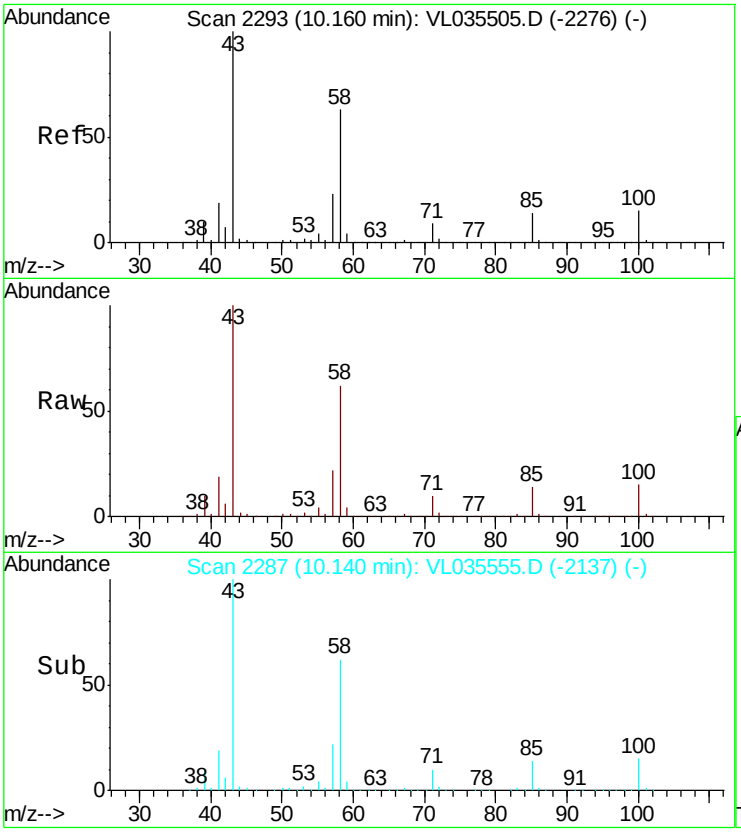


#50
4-Methyl-2-Pentanone
Concen: 10.376 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 43 Resp: 2051494

Ion	Ratio	Lower	Upper
43	100		
58	47.3	37.4	56.0



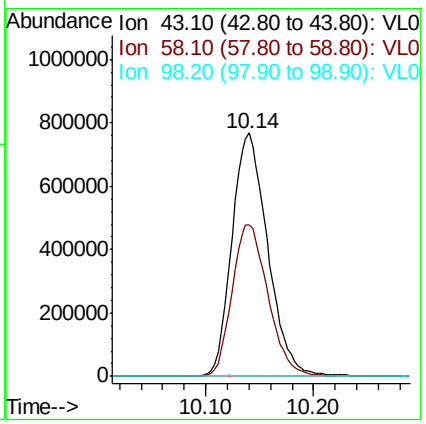


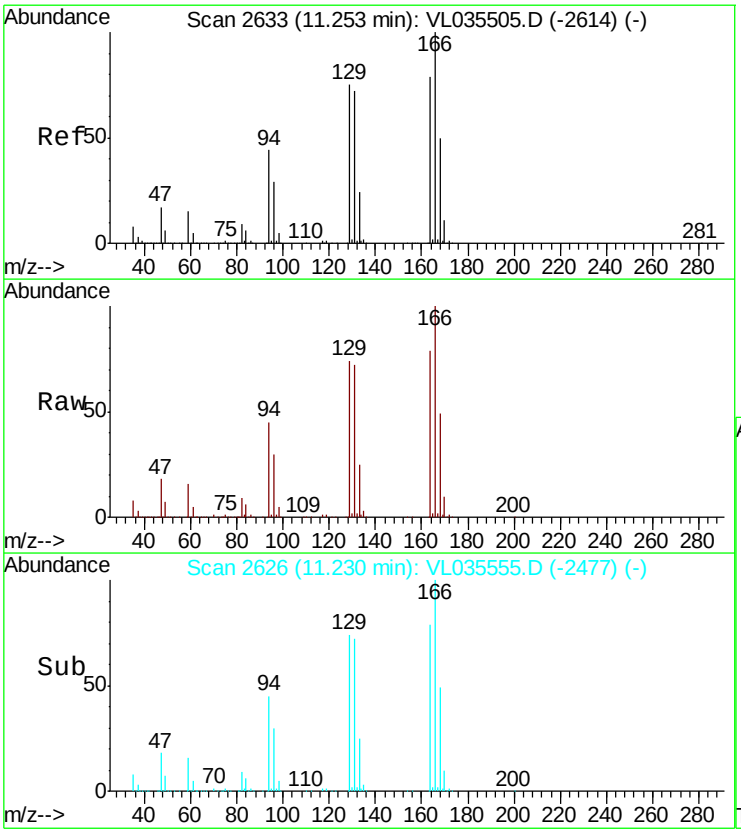
#51
2-Hexanone
Concen: 10.904 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion: 43 Resp: 1768438

Ion	Ratio	Lower	Upper
43	100		
58	63.1	50.2	75.4
98	0.6	0.4	0.6

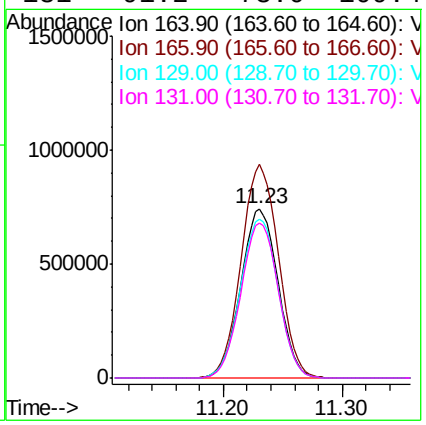


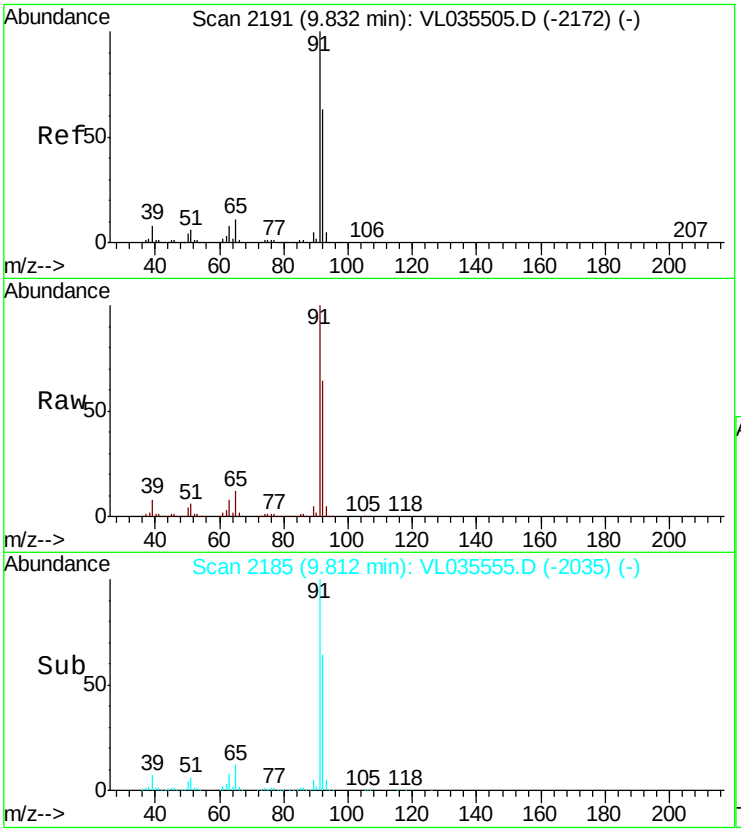


#52
Tetrachloroethene
Concen: 9.260 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion:164 Resp: 1611041

Ion	Ratio	Lower	Upper
164	100		
166	126.2	100.9	151.3
129	93.7	75.3	112.9
131	91.2	73.0	109.4



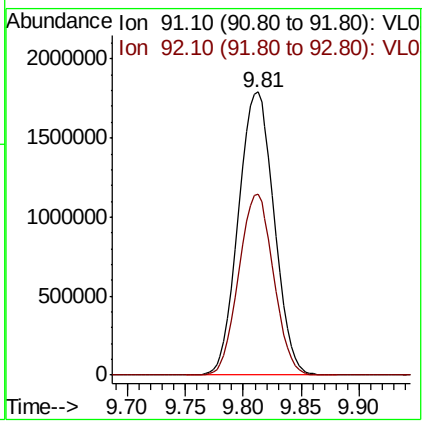


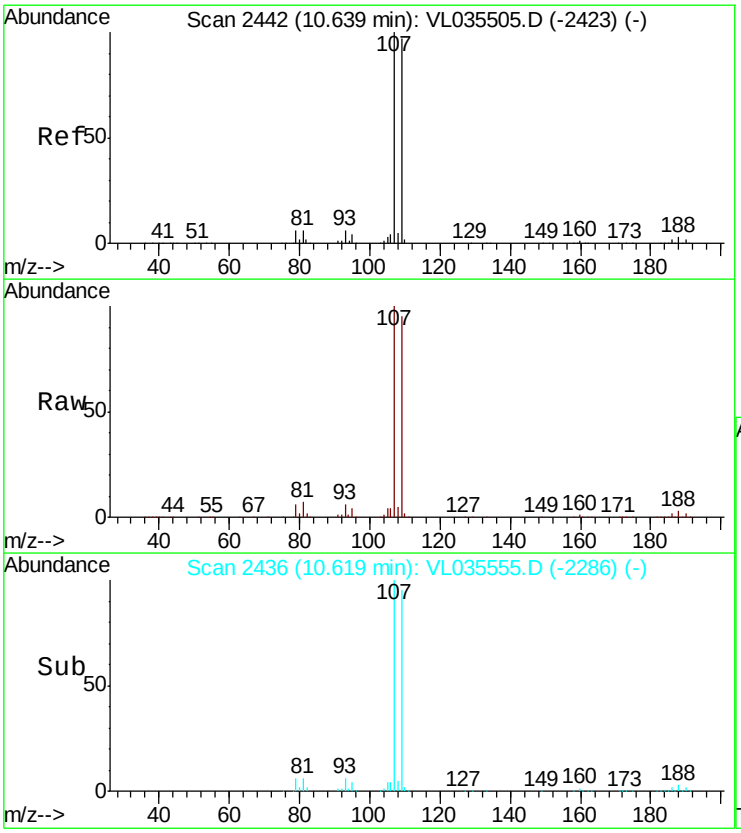
#53
Toluene
Concen: 10.251 ppbv
RT: 9.81 min Scan# 2185
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion: 91 Resp: 3839171

Ion	Ratio	Lower	Upper
91	100		
92	62.4	49.8	74.8

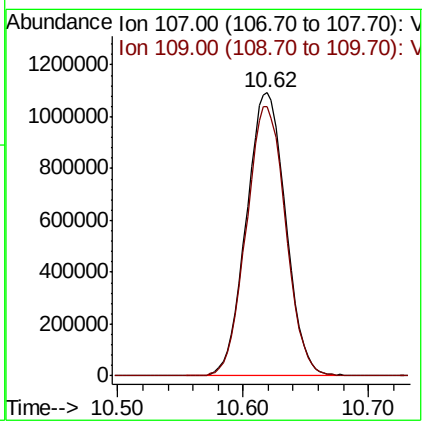


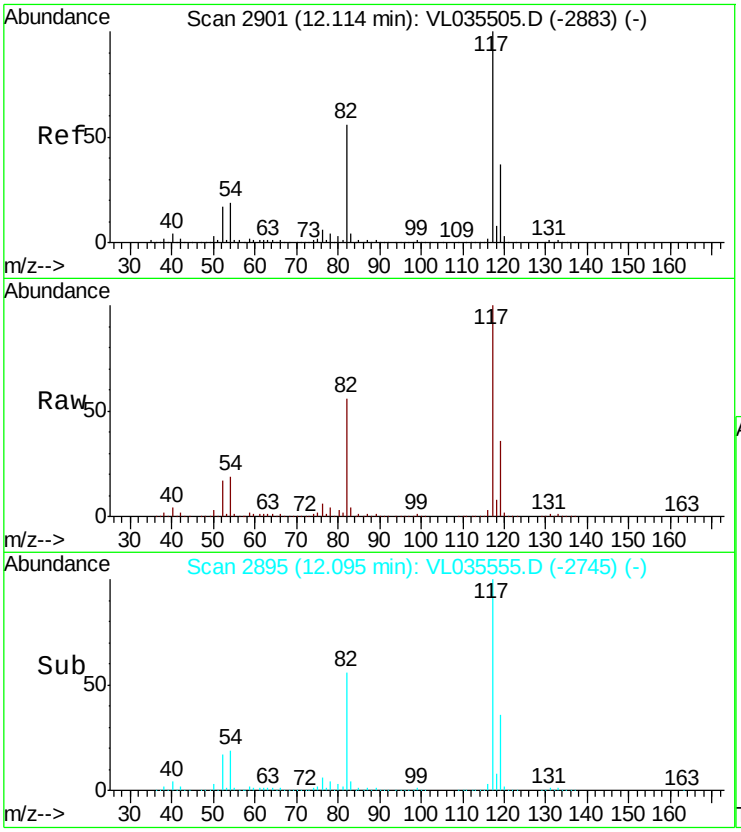


#54
1,2-Dibromoethane
Concen: 10.153 ppbv
RT: 10.62 min Scan# 2436
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion:107 Resp: 2381516

Ion	Ratio	Lower	Upper
107	100		
109	95.3	77.8	116.8



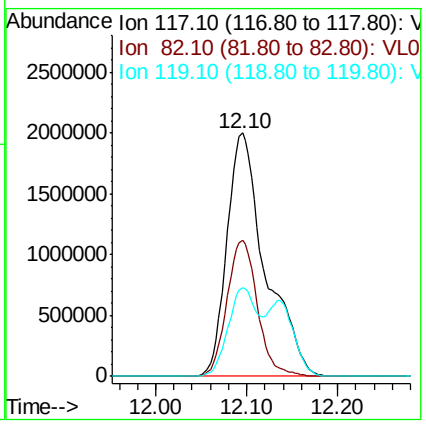


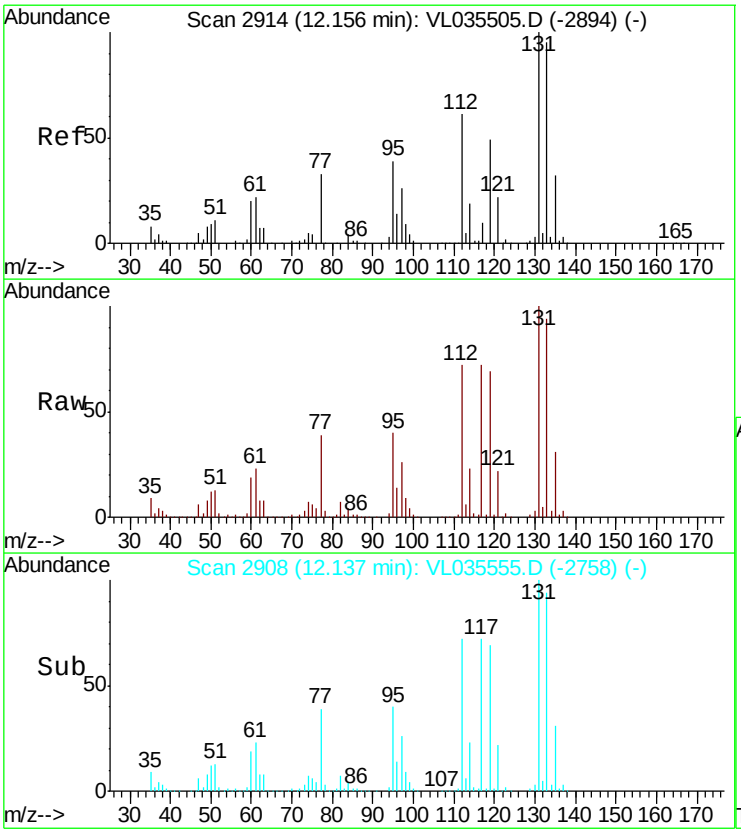
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion:117 Resp: 5879807

Ion	Ratio	Lower	Upper
117	100		
82	44.1	41.6	62.4
119	26.4	29.3	43.9#

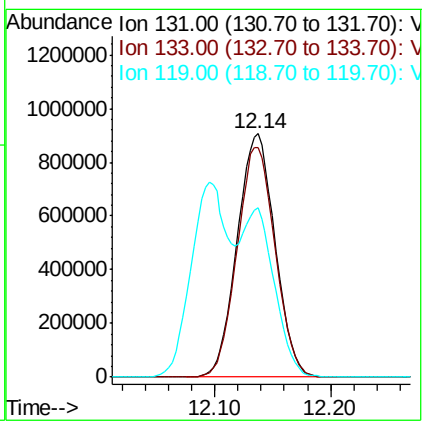


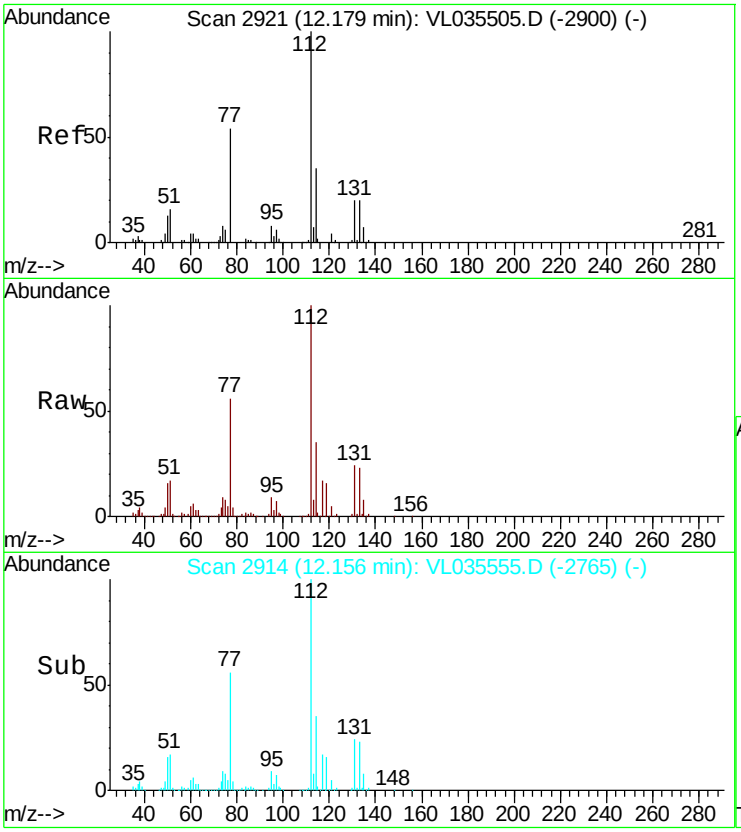


#56
1,1,1,2-Tetrachloroethane
Concen: 8.582 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion:131 Resp: 2053207

Ion	Ratio	Lower	Upper
131	100		
133	95.3	76.6	115.0
119	56.8	51.6	77.4



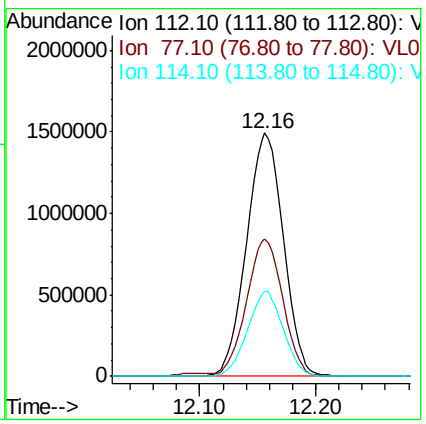


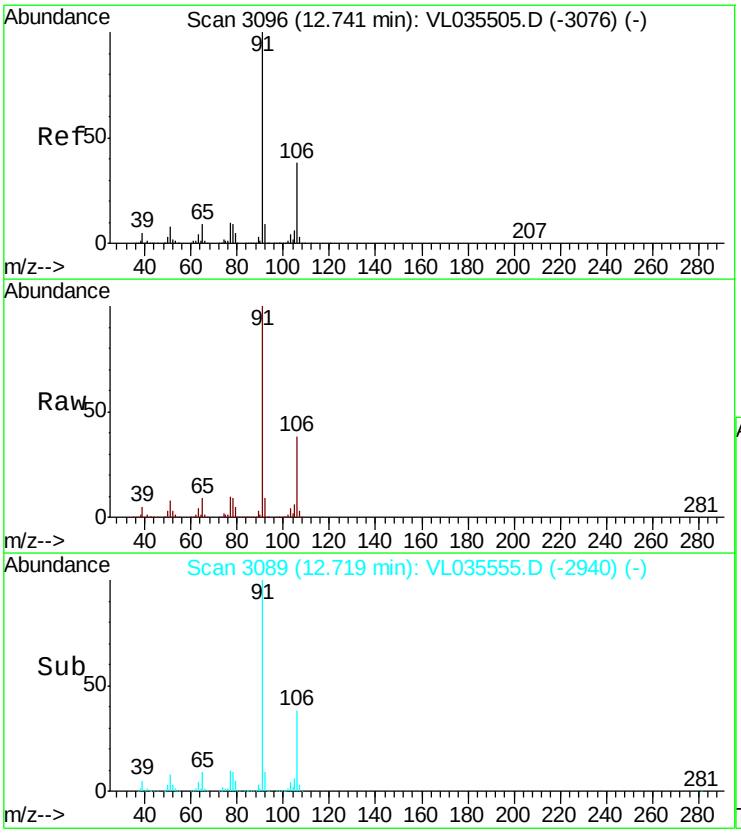
#57
Chlorobenzene
Concen: 7.667 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion:112 Resp: 3317662

Ion	Ratio	Lower	Upper
112	100		
77	56.3	44.2	66.4
114	35.0	31.6	38.6

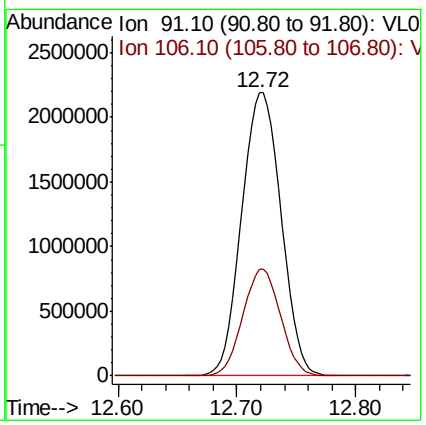


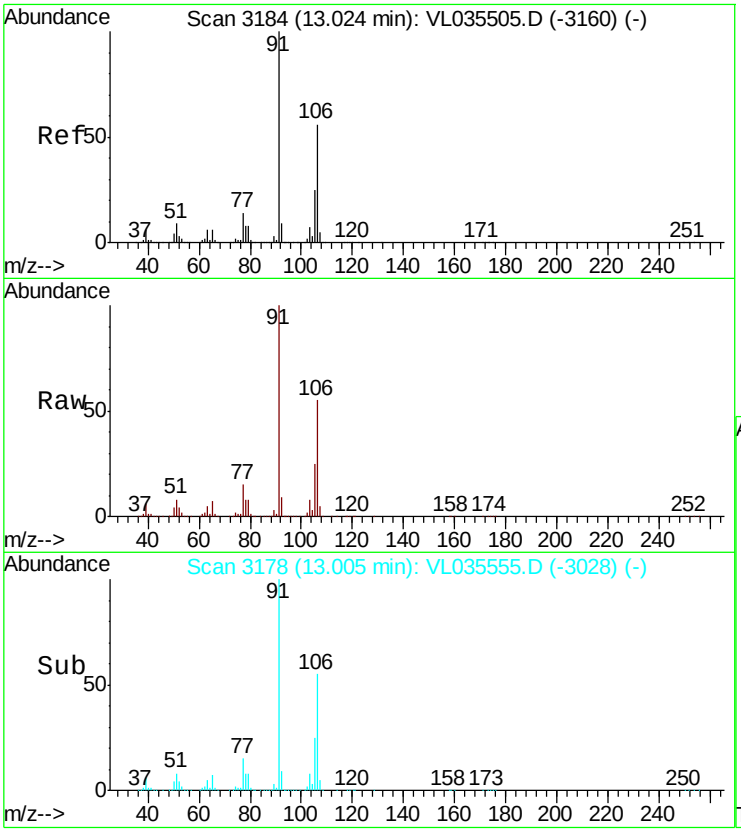


#58
Ethyl Benzene
Concen: 8.308 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 91 Resp: 5037414

Ion	Ratio	Lower	Upper
91	100		
106	37.6	30.3	45.5



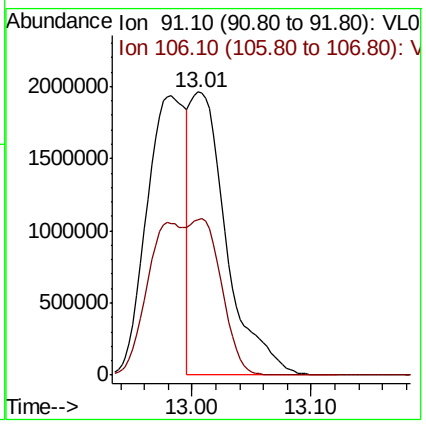


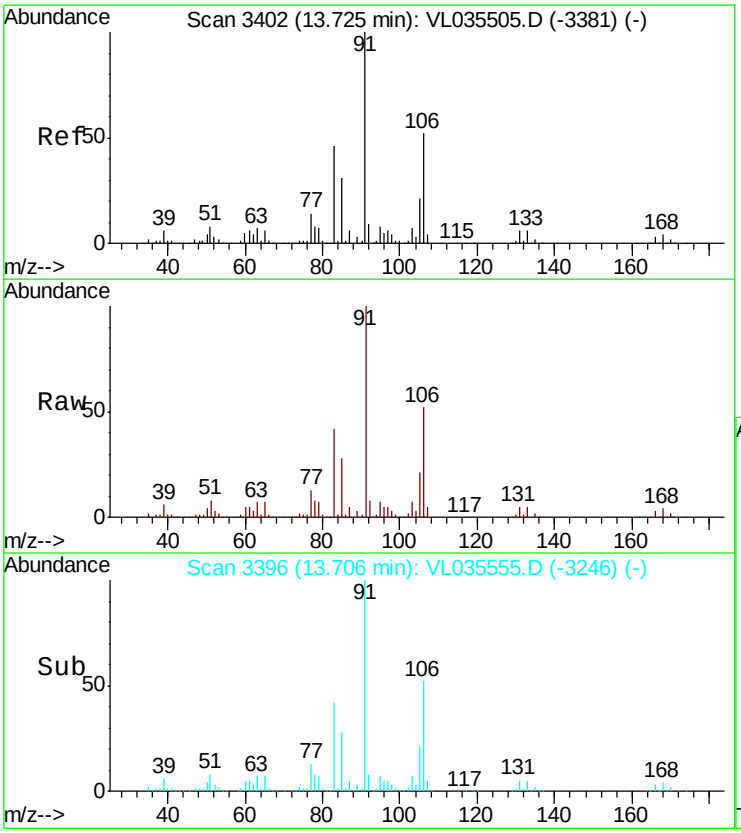
#59
m/p-Xylene
Concen: 8.213 ppbv
RT: 13.01 min Scan# 3178
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion: 91 Resp: 4160985

Ion	Ratio	Lower	Upper
91	100		
106	104.9	43.4	65.2#

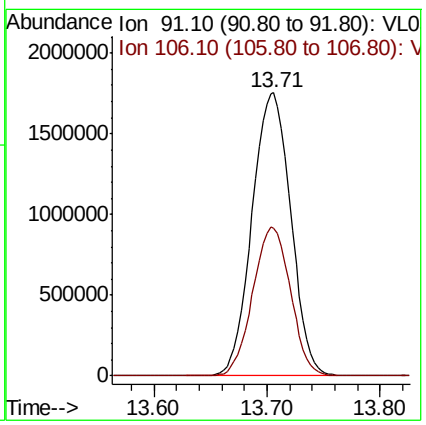


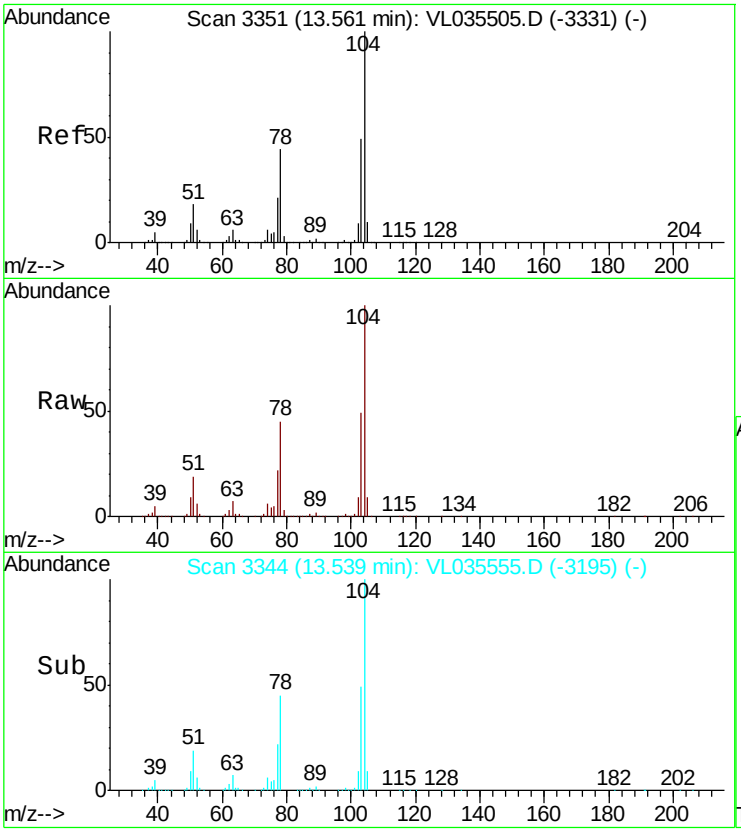


#60
o-Xylene
Concen: 8.153 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 91 Resp: 4160094

Ion	Ratio	Lower	Upper
91	100		
106	51.3	25.8	77.4



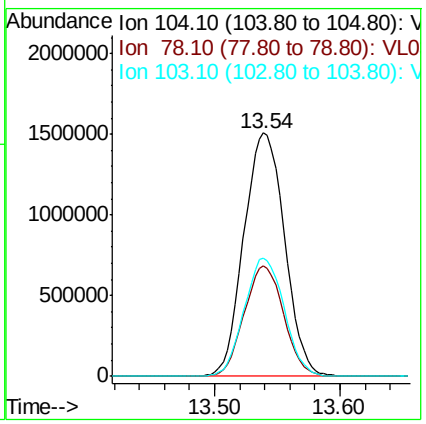


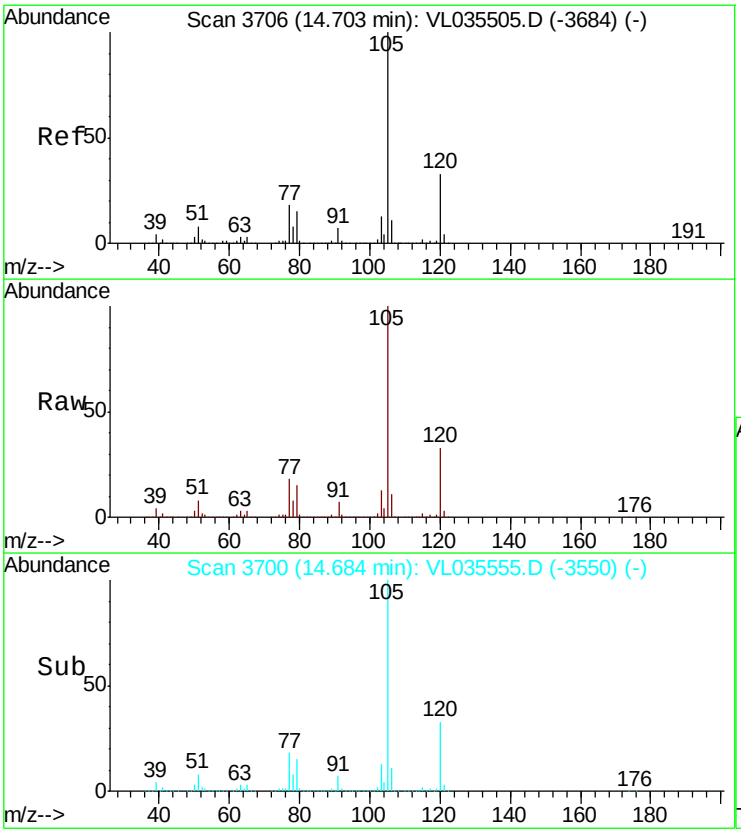
#61
Stvrene
Concen: 8.736 ppbv
RT: 13.54 min Scan# 3344
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion:104 Resp: 3409261

Ion	Ratio	Lower	Upper
104	100		
78	44.0	34.8	52.2
103	47.8	38.2	57.4

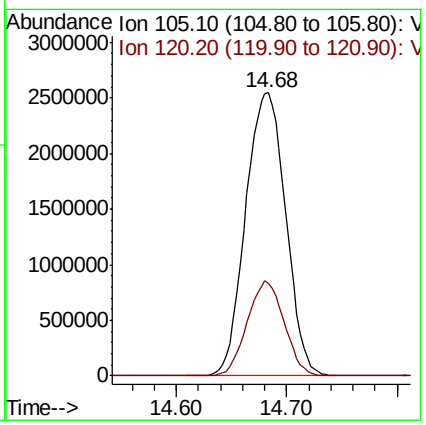


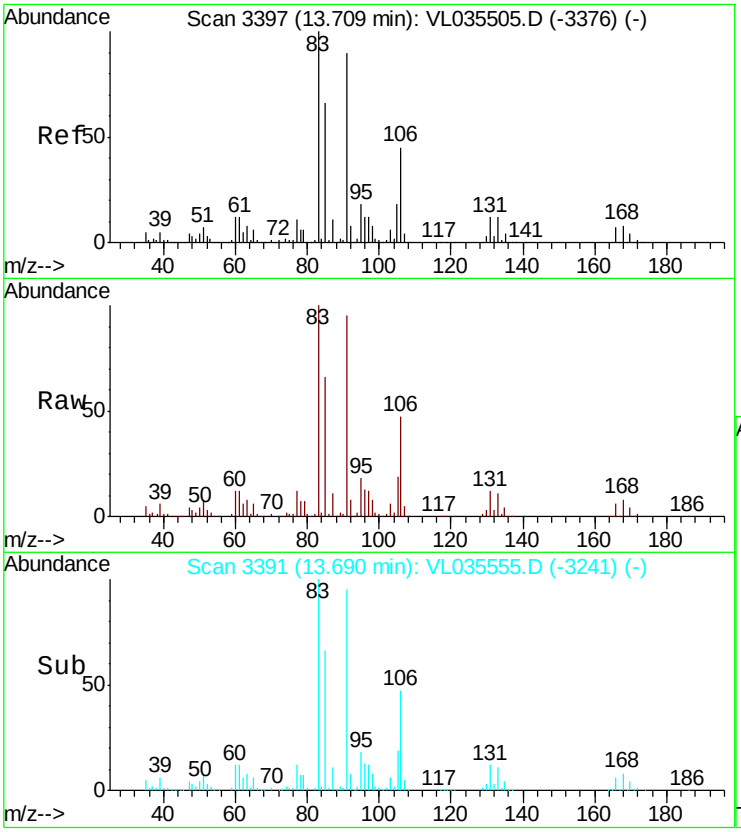


#62
Isopropylbenzene
Concen: 7.813 ppbv
RT: 14.68 min Scan# 3700
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion:105 Resp: 6403966

Ion	Ratio	Lower	Upper
105	100		
120	30.9	25.0	37.4



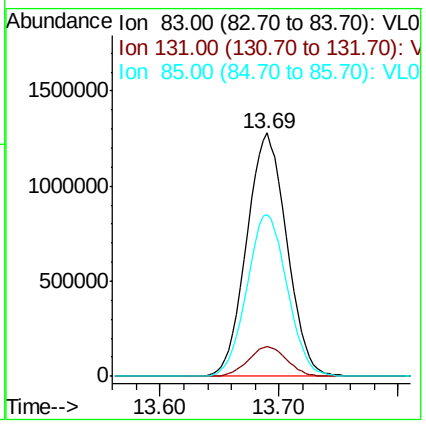


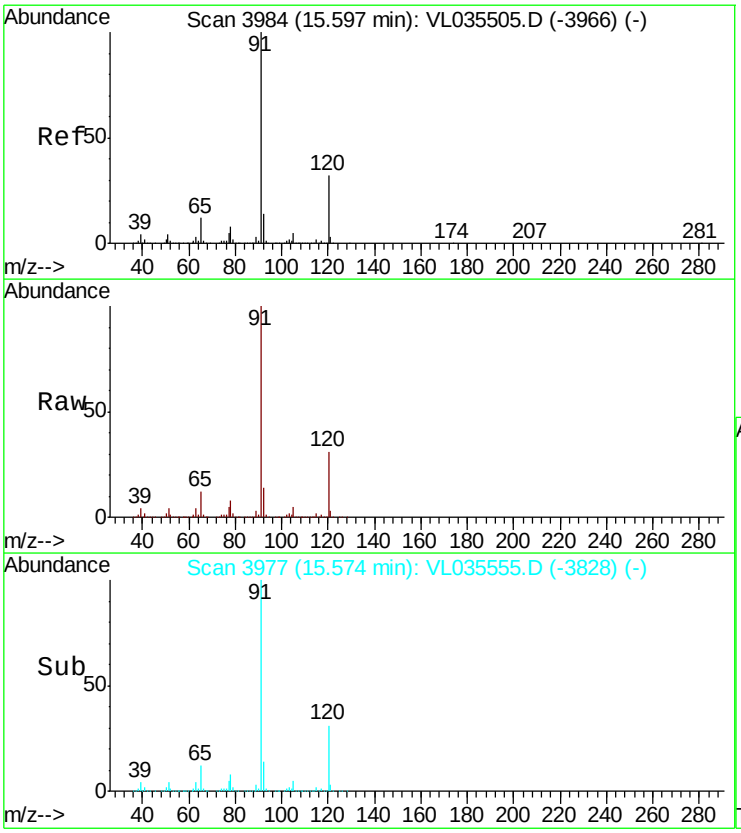
#63
1,1,2,2-Tetrachloroethane
Concen: 7.550 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion: 83 Resp: 2986897

Ion	Ratio	Lower	Upper
83	100		
131	11.8	6.0	18.0
85	66.9	33.4	100.2

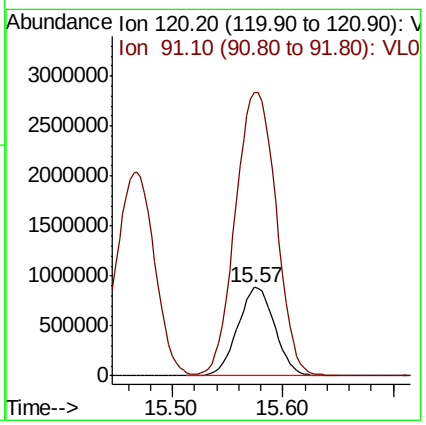


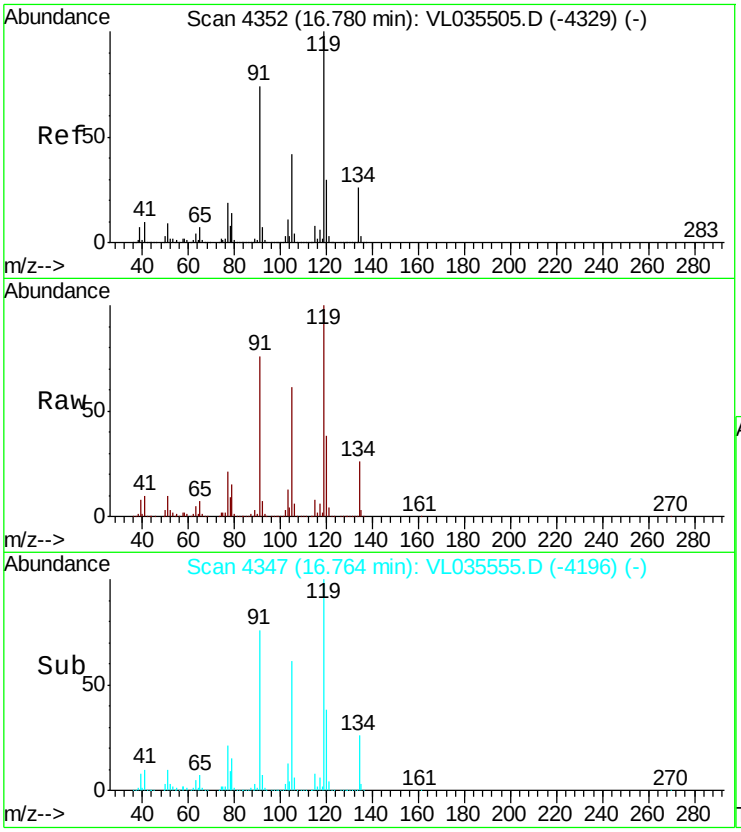


#64
n-propylbenzene
Concen: 8.201 ppbv
RT: 15.57 min Scan# 3977
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion:120 Resp: 2051356

Ion	Ratio	Lower	Upper
120	100		
91	356.3	279.4	419.0



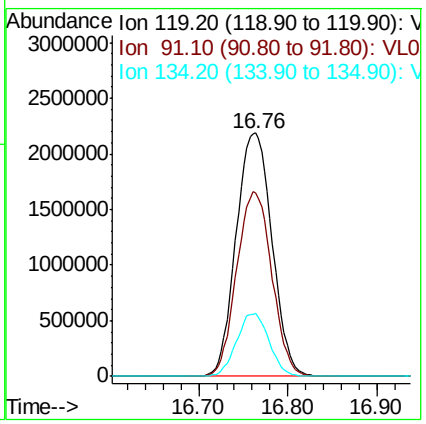


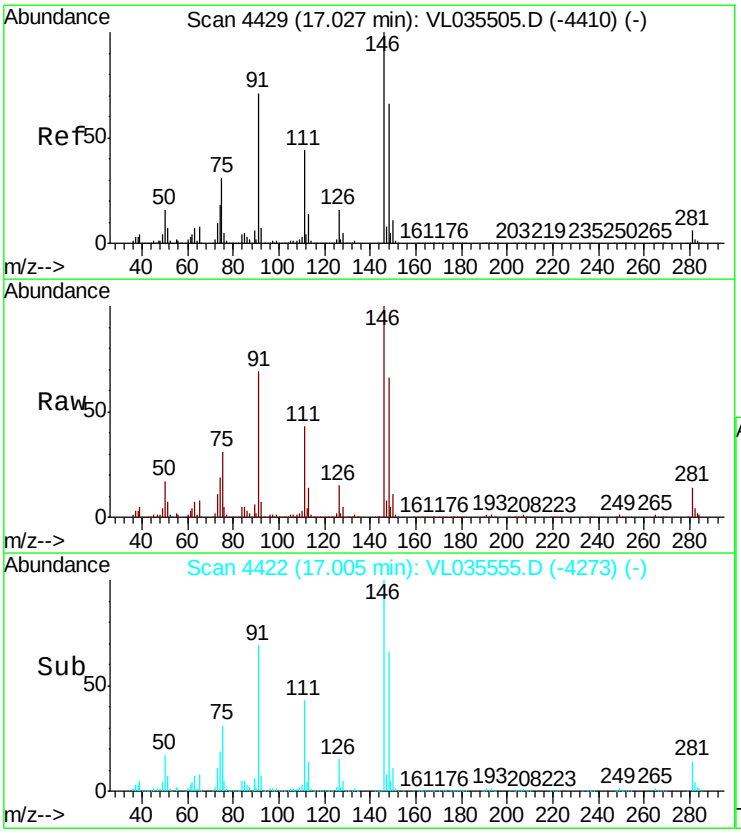
#65
tert-Butylbenzene
Concen: 8.030 ppbv
RT: 16.76 min Scan# 4347
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion:119 Resp: 6118968

Ion	Ratio	Lower	Upper
119	100		
91	74.4	58.6	87.8
134	23.3	18.9	28.3

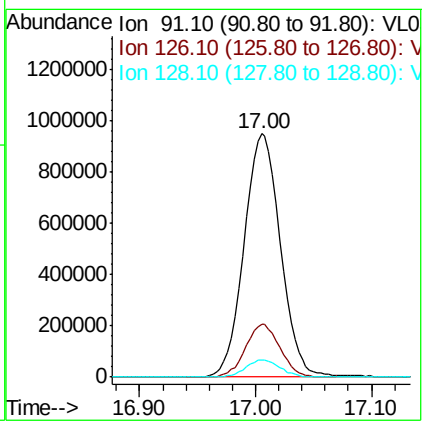


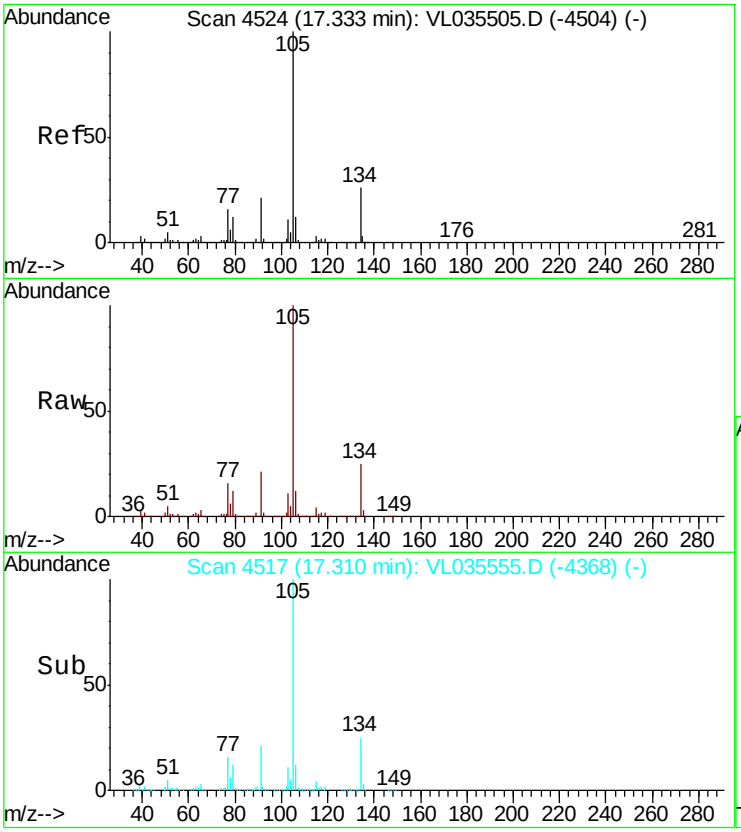


#66
Benzyl Chloride
Concen: 10.918 ppbv
RT: 17.00 min Scan# 4422
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 91 Resp: 2067486

Ion	Ratio	Lower	Upper
91	100		
126	20.9	17.2	25.8
128	6.7	5.5	8.3



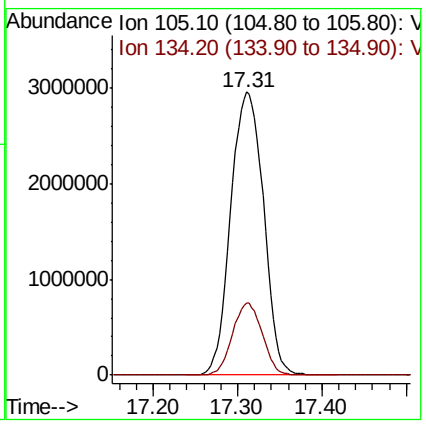


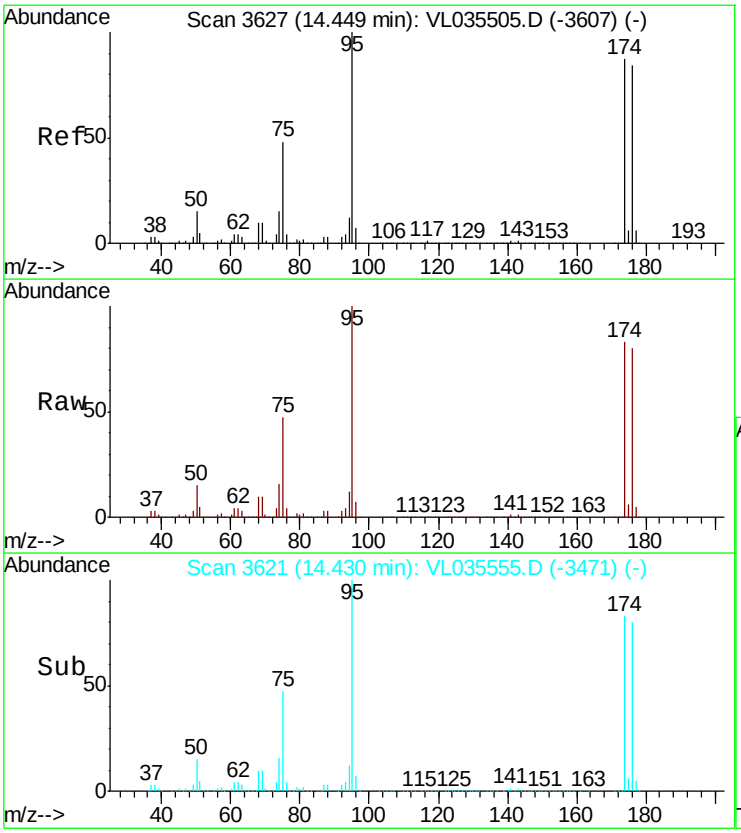
#67
sec-Butylbenzene
Concen: 7.886 ppbv
RT: 17.31 min Scan# 4517
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion:105 Resp: 8005137

Ion	Ratio	Lower	Upper
105	100		
134	23.2	19.1	28.7

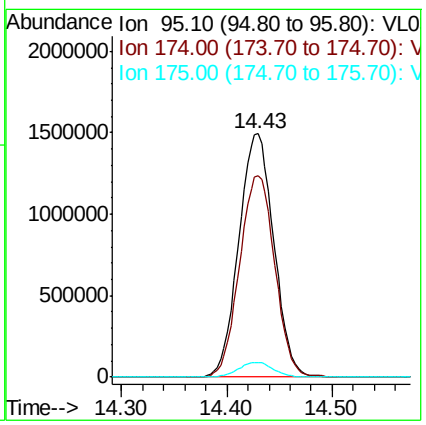


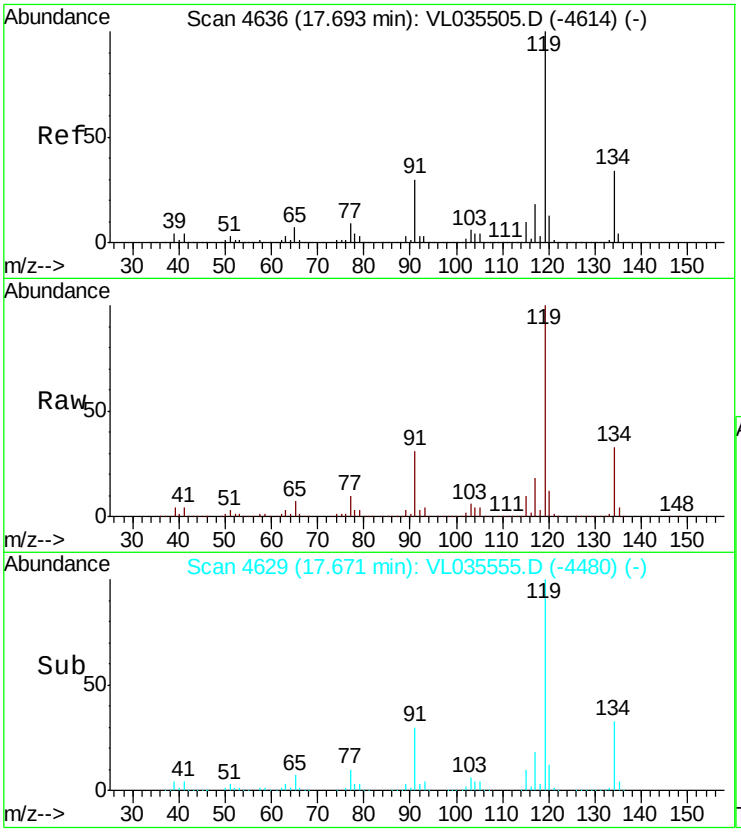


#68
1-Bromo-4-Fluorobenzene
Concen: 8.261 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 95 Resp: 3449408

Ion	Ratio	Lower	Upper
95	100		
174	83.6	69.6	104.4
175	6.0	5.1	7.7



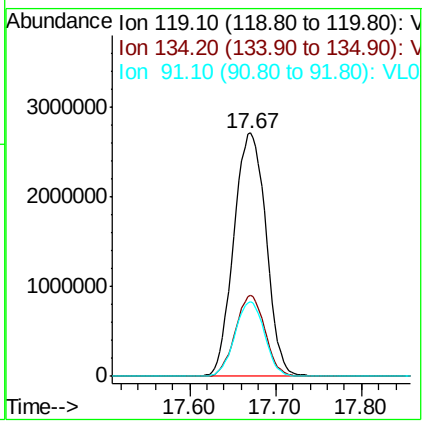


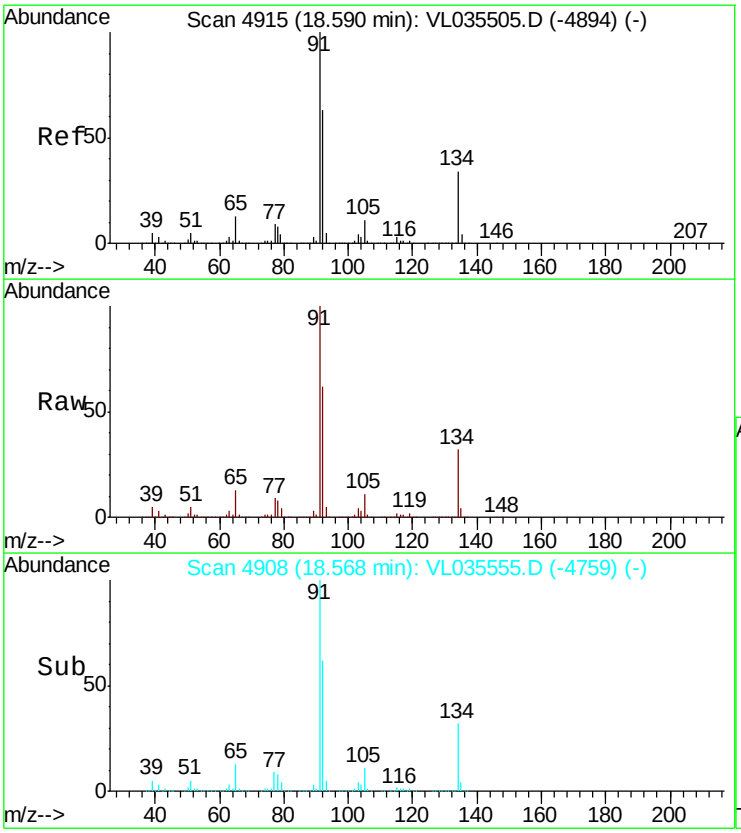
#69
p-Isopropyltoluene
Concen: 7.915 ppbv
RT: 17.67 min Scan# 4629
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion:119 Resp: 7048282

Ion	Ratio	Lower	Upper
119	100		
134	30.6	25.0	37.4
91	28.3	22.3	33.5

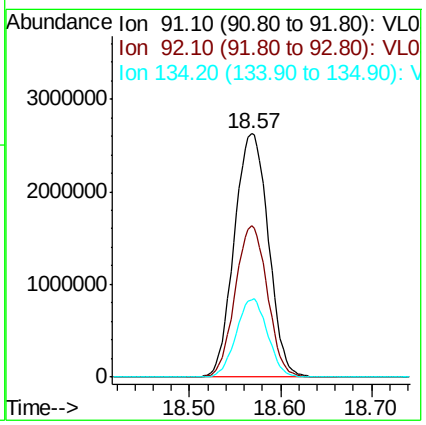


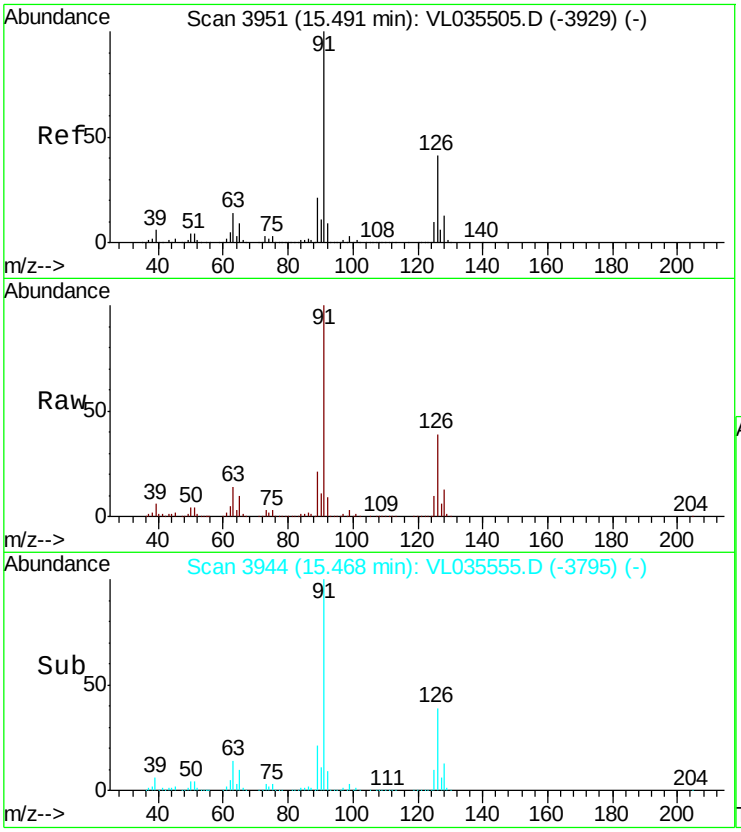


#70
n-Butylbenzene
Concen: 7.968 ppbv
RT: 18.57 min Scan# 4908
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion: 91 Resp: 6834242

Ion	Ratio	Lower	Upper
91	100		
92	58.9	47.3	70.9
134	29.8	24.6	37.0



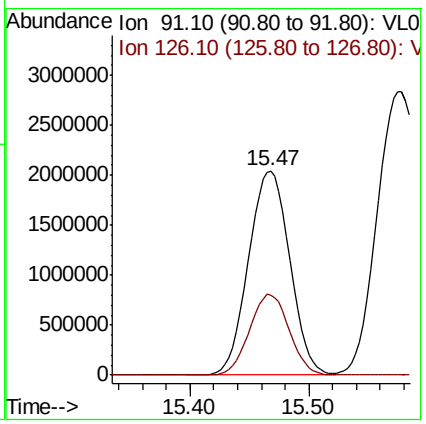


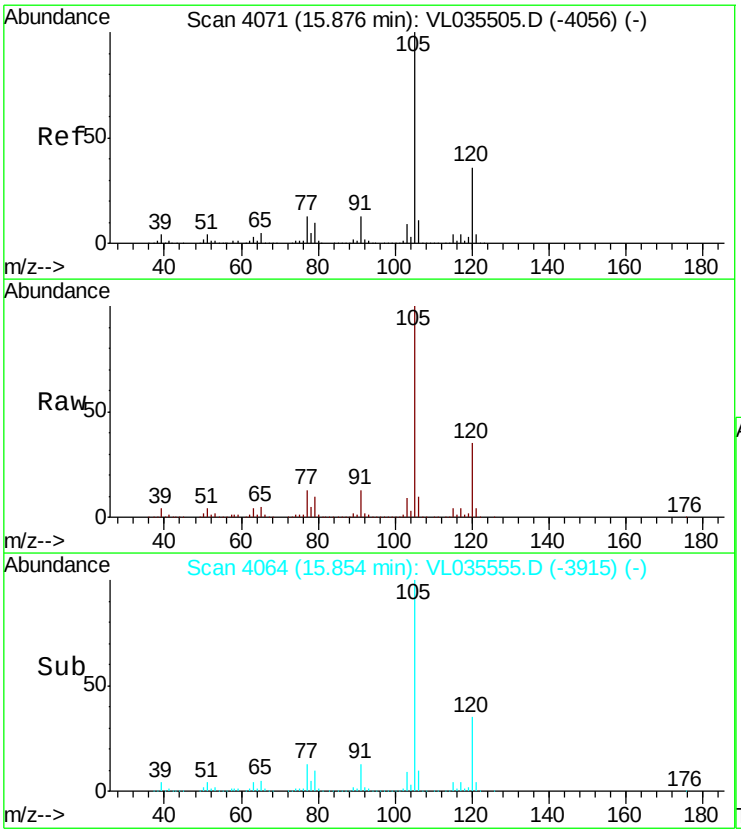
#71
2-Chlorotoluene
Concen: 8.222 ppbv
RT: 15.47 min Scan# 3944
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion: 91 Resp: 4907704

Ion	Ratio	Lower	Upper
91	100		
126	38.3	15.6	62.6

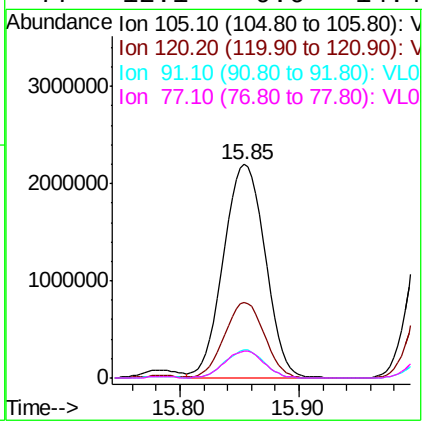


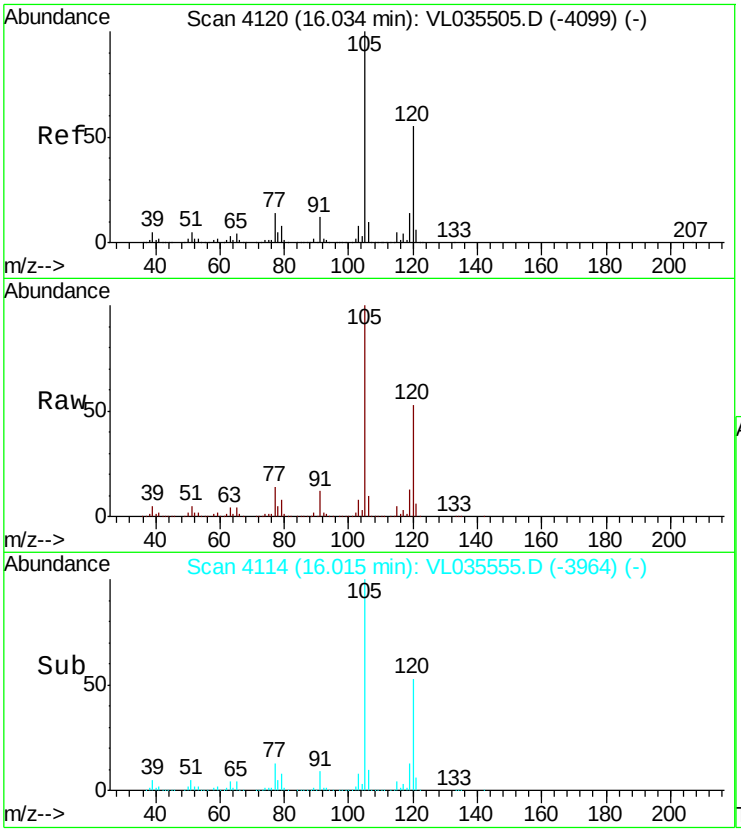


#72
4-Ethyltoluene
Concen: 8.223 ppbv
RT: 15.85 min Scan# 4064
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion:105 Resp: 5334124

Ion	Ratio	Lower	Upper
105	100		
120	34.0	27.4	41.2
91	12.3	9.7	14.5
77	12.1	9.6	14.4



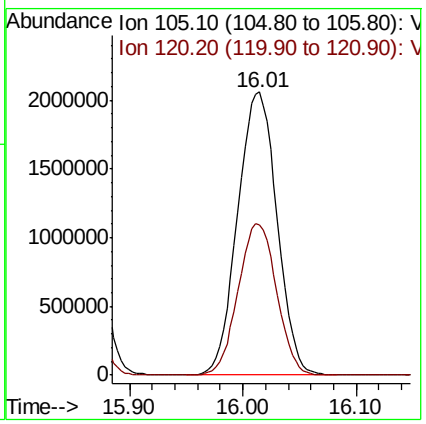


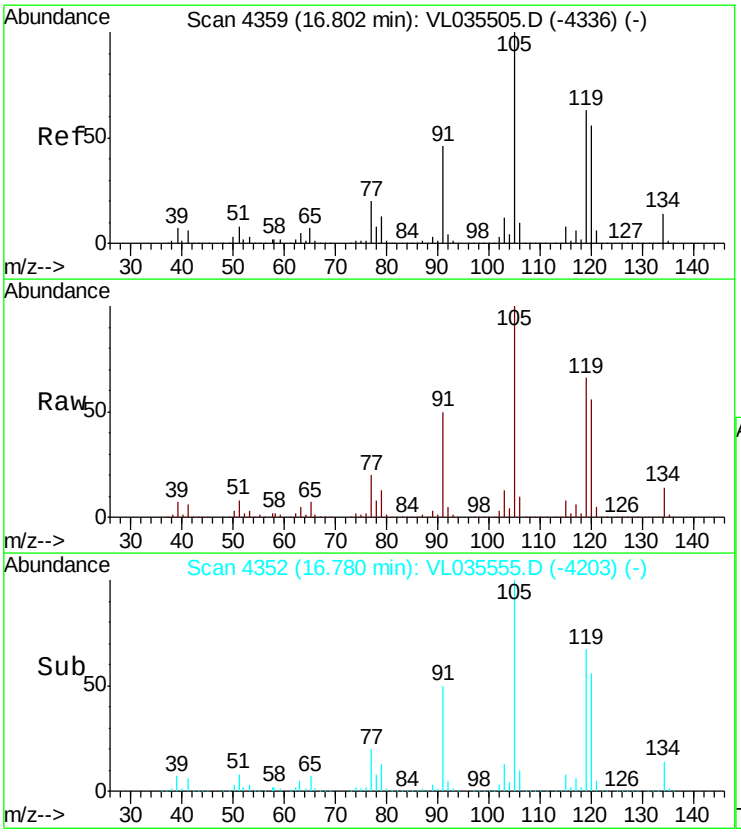
#73
1,3,5-Trimethylbenzene
Concen: 8.289 ppbv
RT: 16.01 min Scan# 4114
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion:105 Resp: 4973421

Ion	Ratio	Lower	Upper
105	100		
120	53.2	44.2	66.2

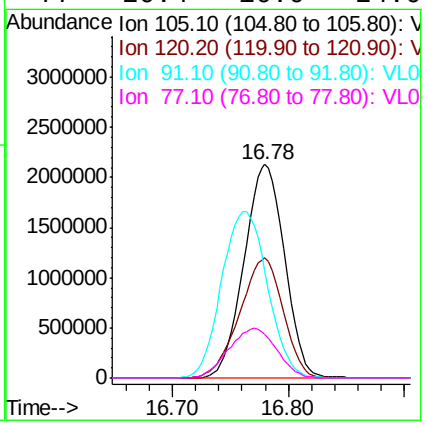


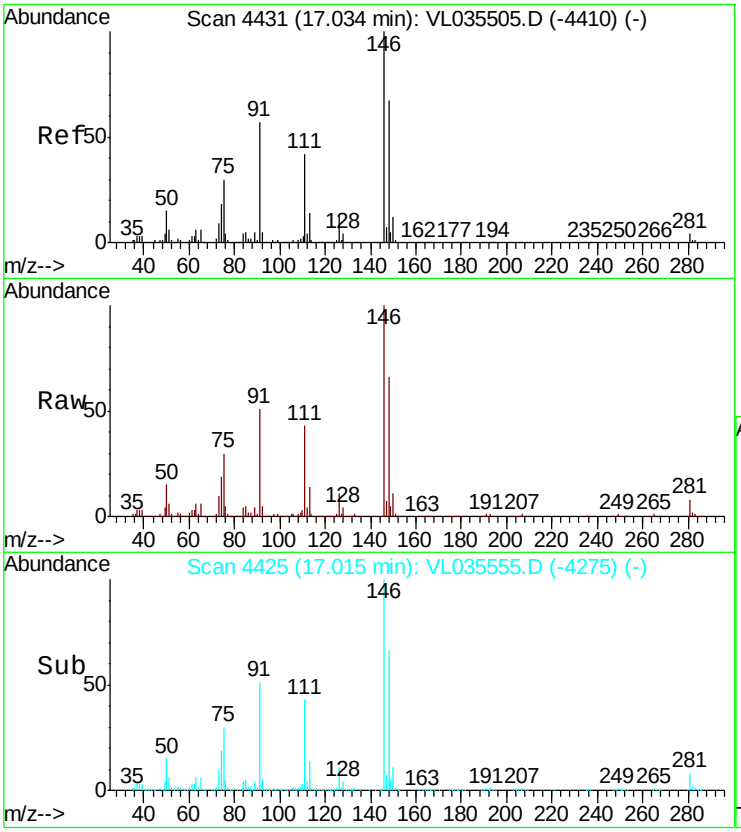


#74
1,2,4-Trimethylbenzene
Concen: 7.853 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion:105 Resp: 5174254

Ion	Ratio	Lower	Upper
105	100		
120	56.2	44.4	66.6
91	50.0	37.1	55.7
77	20.4	16.0	24.0



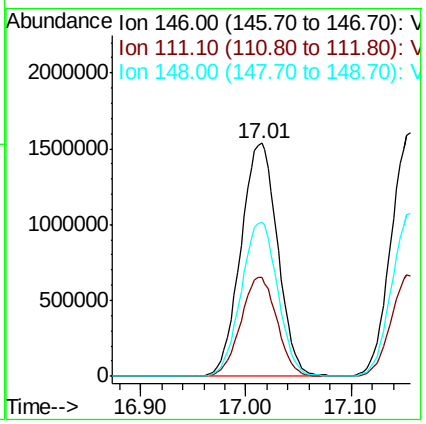


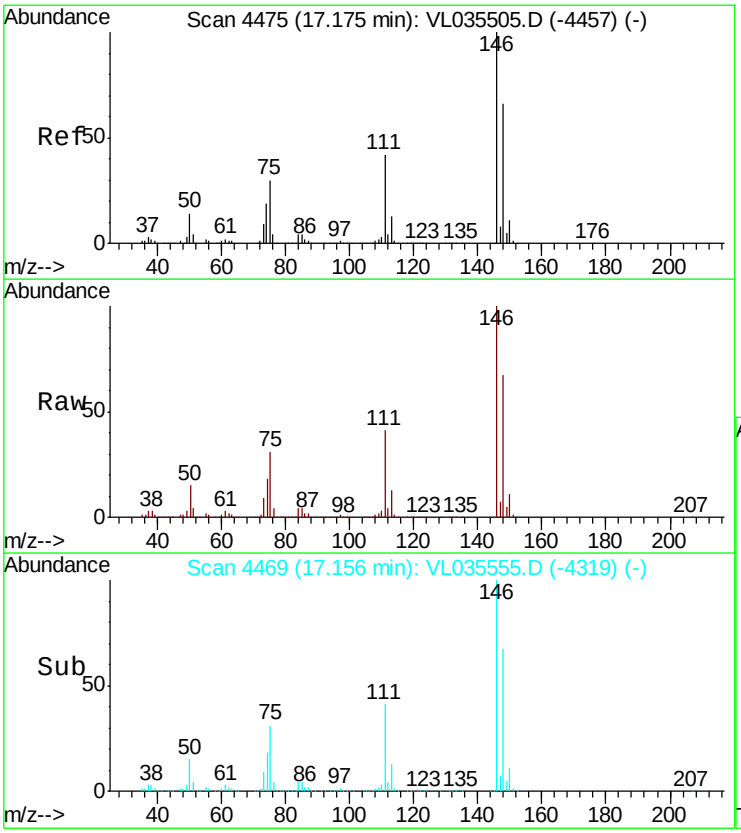
#75
1,3-Dichlorobenzene
Concen: 7.650 ppbv
RT: 17.01 min Scan# 4425
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion:146 Resp: 3733854

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.7	62.1
148	65.7	33.0	98.9

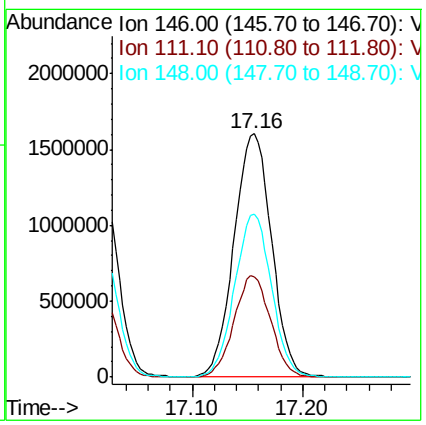


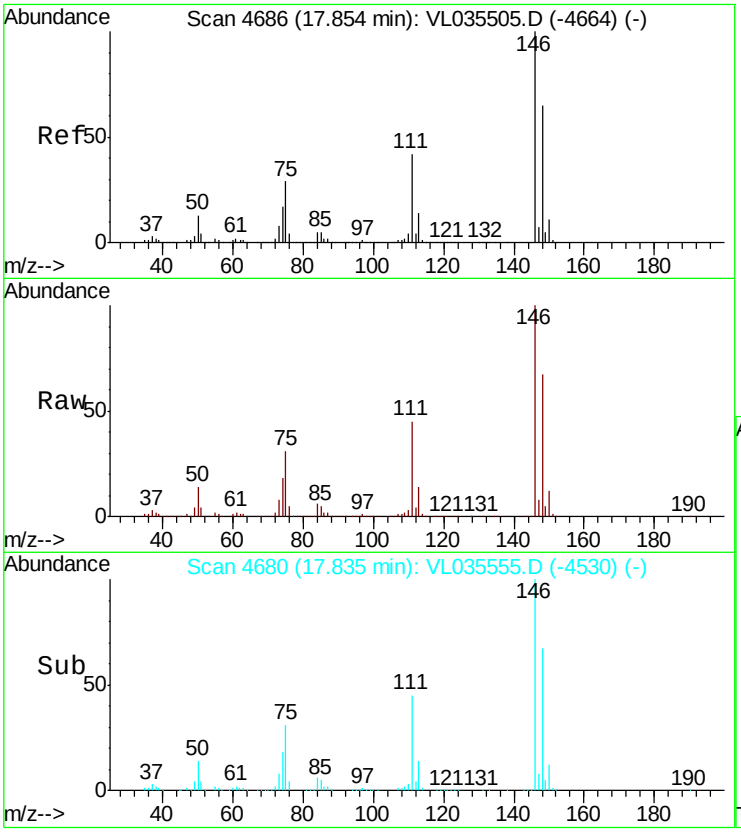


#76
1,4-Dichlorobenzene
Concen: 7.814 ppbv
RT: 17.16 min Scan# 4469
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion:146 Resp: 3761476

Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.0	60.0
148	66.1	33.2	99.6



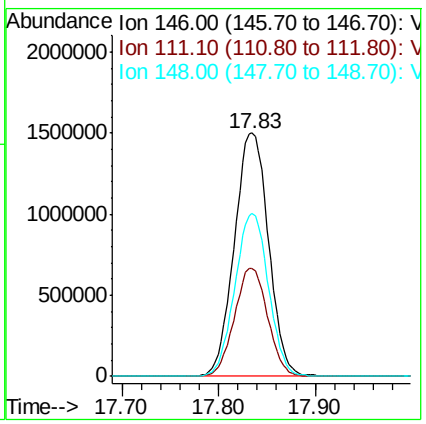


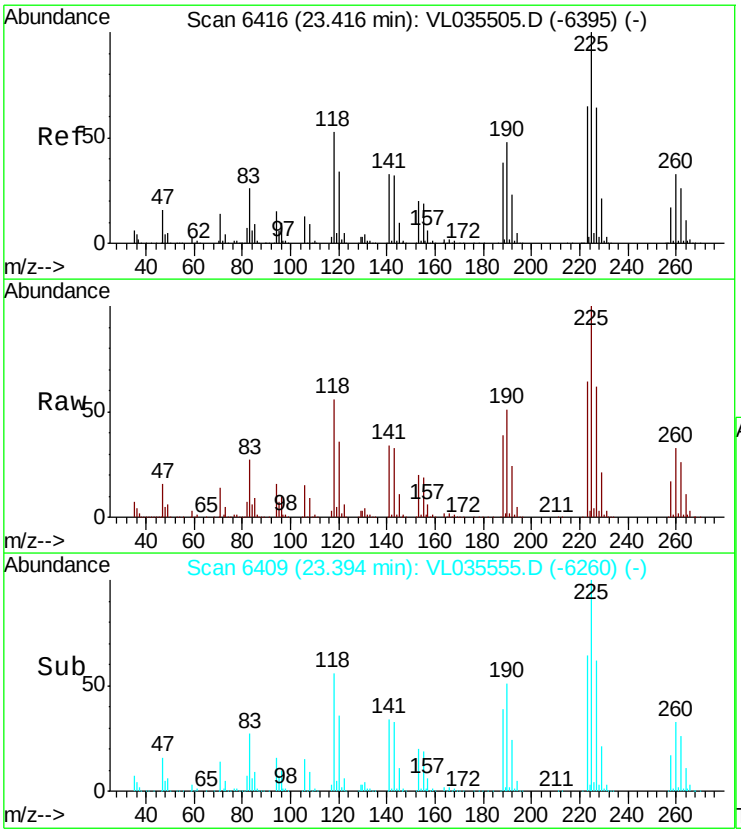
#77
1,2-Dichlorobenzene
Concen: 7.791 ppbv
RT: 17.83 min Scan# 4680
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion:146 Resp: 3684220

Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.1	63.3
148	65.8	32.9	98.7

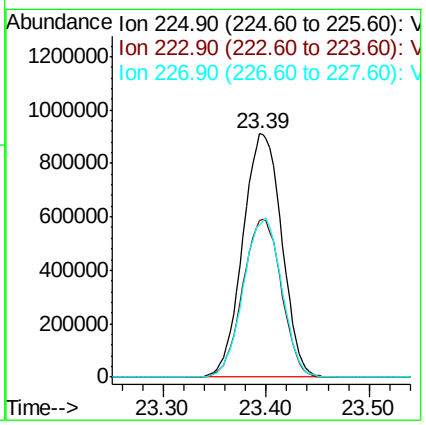


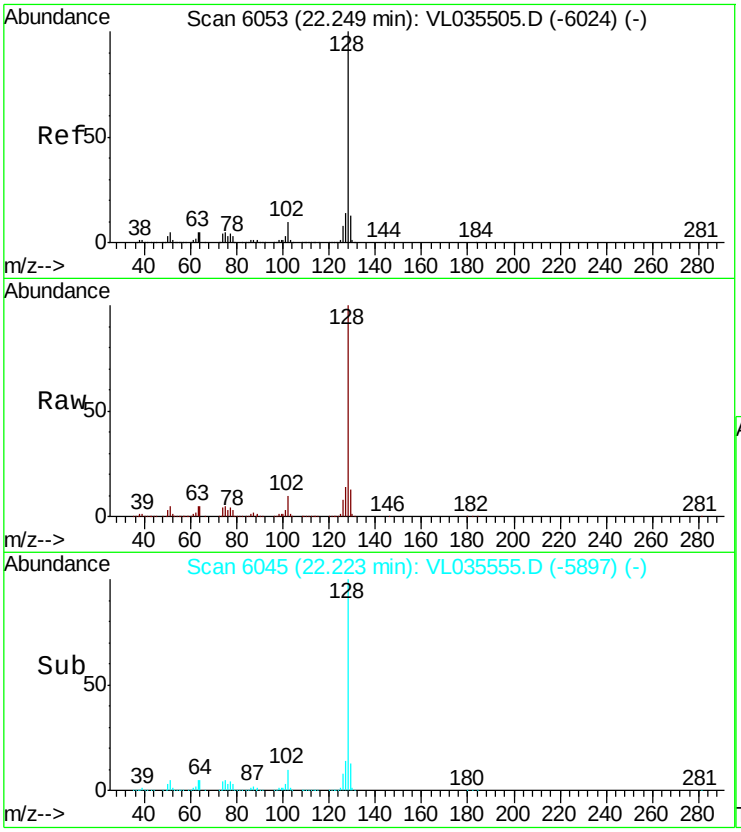


#78
Hexachloro-1,3-Butadiene
Concen: 7.915 ppbv
RT: 23.39 min Scan# 6409
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion:225 Resp: 2389559

Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.7	77.5
227	64.3	51.5	77.3



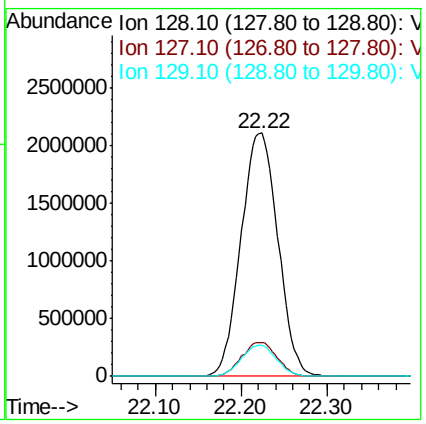


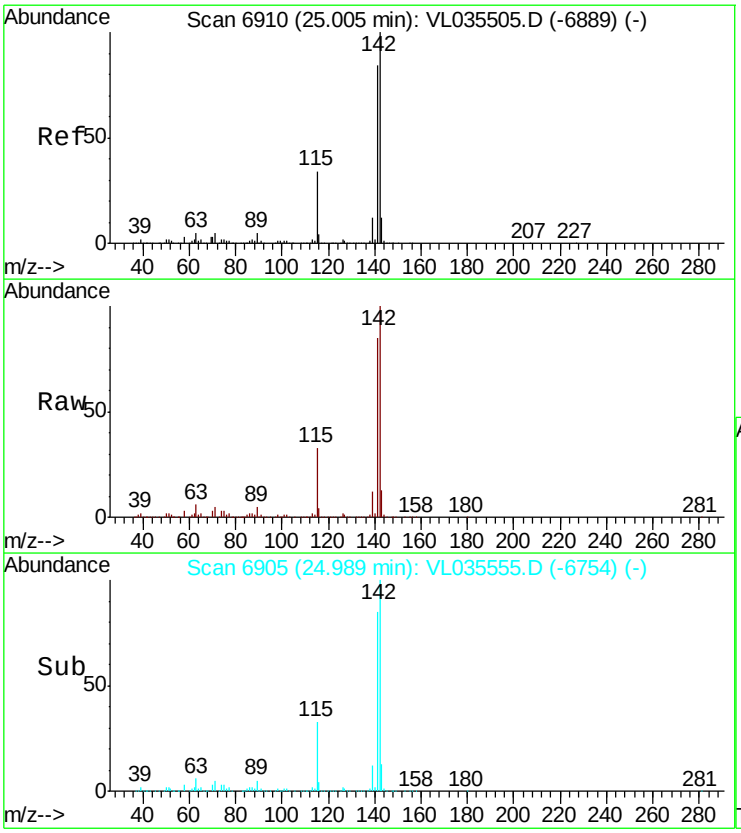
#79
Naphthalene
Concen: 8.623 ppbv
RT: 22.22 min Scan# 6045
Delta R.T. -0.03 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument : MSVOA_L
ClientSampleId : VL0908ABS01

Tgt Ion:128 Resp: 6304553

Ion	Ratio	Lower	Upper
128	100		
127	14.0	11.4	17.2
129	12.7	10.5	15.7

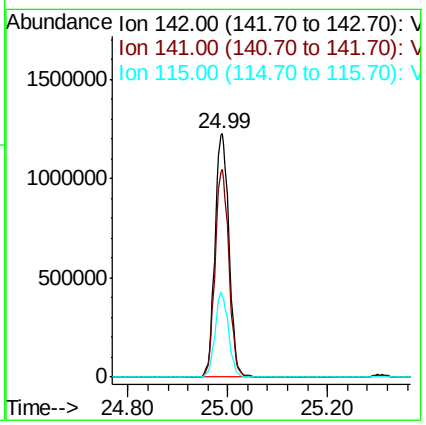


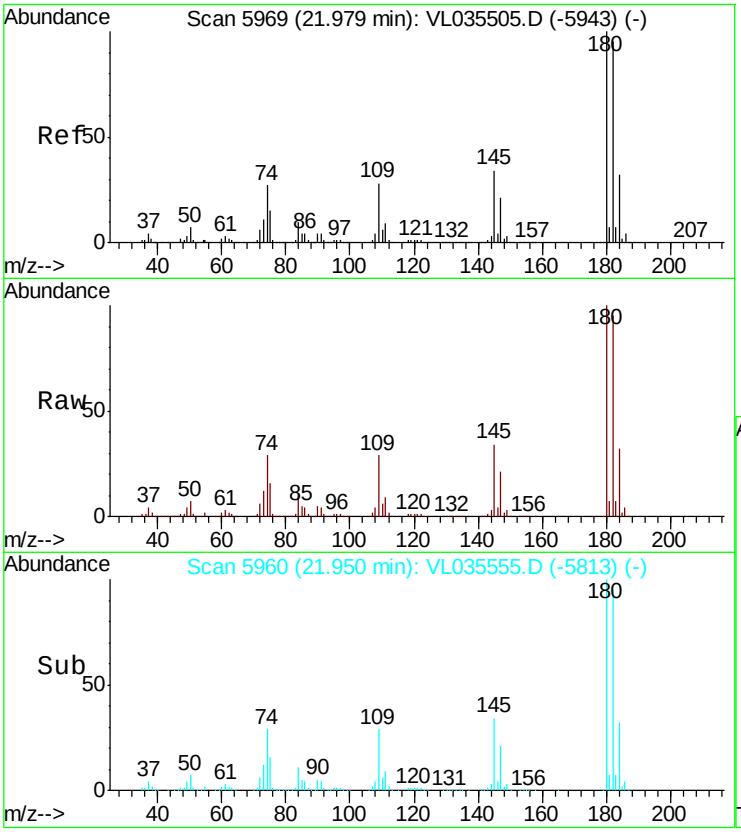


#80
Naphthalene,2-methyl-
Concen: 9.619 ppbv
RT: 24.99 min Scan# 6905
Delta R.T. -0.02 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Tgt Ion:142 Resp: 2400382

Ion	Ratio	Lower	Upper
142	100		
141	84.3	67.6	101.4
115	33.2	25.8	38.8





#81
1,2,4-Trichlorobenzene
Concen: 8.218 ppbv
RT: 21.95 min Scan# 5960
Delta R.T. -0.03 min
Lab File: VL035555.D
Acq: 8 Sep 2020 13:55

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABS01

Tgt Ion:180 Resp: 3598035

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.3	114.5
184	31.4	25.3	37.9