Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
Data File : VL034465.D
Acq On : 9 Dec 2019 14:48
Operator : SY/AP
Sample : VL1203ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1209ABS01

Quant Time: Dec 10 03:39:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	915338	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1836081	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1942566	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1594409	9.76	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.60%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	1162453	7.020	ppbv	97
3) Chlorodifluoromethane	2.96	51	1047551	9.172	ppbv	99
4) Chloromethane	3.11	50	544933	8.089	ppbv	96
5) Vinyl Chloride	3.23	62	530730	8.409	ppbv	95
6) Bromomethane	3.45	94	302457	9.524	ppbv	91
7) Chloroethane	3.54	64	198706	8.674	ppbv	98
8) Dichlorotetrafluoroethane	3.16	85	1269730	8.538	ppbv	99
9) Propene	2.98	41	403812	7.964	ppbv	97
10) Heptane	8.15	43	1112940	8.505	ppbv	99
11) Trichlorofluoromethane	3.93	101	1447425	8.783	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.47	101	962046	8.790	ppbv	98
13) Ethanol	3.58	45	110886	7.851	ppbv	94
14) Bromoethene	3.72	108	381769	8.579	ppbv	100
15) Acetone	3.83	43	1040762	7.940	ppbv	99
16) 1,3-Butadiene	3.30	39	493429	8.642	ppbv	100
17) tert-Butyl alcohol	4.28	59	1067142	9.686	ppbv	99
18) 1,1-Dichloroethene	4.28	96	415182	8.673	ppbv	94
19) Isopropyl Alcohol	3.95	45	833287	9.918	ppbv	100
20) Methylene Chloride	4.33	84	366962	7.895	ppbv	96
21) Allyl Chloride	4.40	41	710997	9.053	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	414469	8.588	ppbv	97
23) Vinyl Acetate	5.07	43	1554954	9.082	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1120978	8.523	ppbv	98
25) Ethyl Acetate	5.68	43	1899344	8.121	ppbv	100
26) Hexane	5.69	57	828136	8.240	ppbv	98
27) Carbon Disulfide	4.54	76	1060911	9.692	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1453339	8.721	ppbv	99
29) Chloroform	5.76	83	1382406	8.494	ppbv	97
30) Cyclohexane	7.15	84	649409	8.547	ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	880173	8.475	ppbv	97
32) 1,1,1-Trichloroethane	6.53	97	1420005	9.306	ppbv	98
34) 2-Butanone	5.24	43	1281002	8.476	ppbv	98
35) Carbon Tetrachloride	7.04	117	1472282	9.326	ppbv	96
36) Benzene	6.92	78	1556600	8.481	ppbv	97
37) 1,2-Dichloroethane	6.32	62	1188296	8.715	ppbv	99
38) Trichloroethene	7.86	130	626829	8.322	ppbv	96
39) 1,2-Dichloropropane	7.64	63	650524	9.200	ppbv	94
40) 1,4-Dioxane	7.85	88	249241	8.069	ppbv #	100
41) Tetrahydrofuran	6.06	42	709589	8.371	ppbv	99
42) Bromodichloromethane	7.82	83	1514957	8.884	ppbv	100
43) Methyl Methacrylate	8.04	69	664538	8.729	ppbv	97

Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
Data File : VL034465.D
Acq On : 9 Dec 2019 14:48
Operator : SY/AP
Sample : VL1203ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1209ABS01

Quant Time: Dec 10 03:39:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	2861185	8.530	ppbv		99
45) t-1,3-Dichloropropene	9.31	75	882300	9.037	ppbv		95
46) cis-1,3-Dichloropropene	8.74	75	1009760	9.208	ppbv		96
47) 1,1,2-Trichloroethane	9.51	97	678488	8.626	ppbv		96
48) Dibromochloromethane	10.35	129	1253011	9.278	ppbv		99
49) Bromoform	13.10	173	1124863	9.330	ppbv		99
50) 4-Methyl-2-Pentanone	8.77	43	1909612	8.733	ppbv		99
51) 2-Hexanone	10.17	43	1593504	8.700	ppbv		98
52) Tetrachloroethene	11.27	164	585139	7.368	ppbv		100
53) Toluene	9.84	91	1797278	8.621	ppbv		99
54) 1,2-Dibromoethane	10.65	107	1068382	8.859	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.18	131	848254	8.927	ppbv		96
57) Chlorobenzene	12.20	112	1406264	8.008	ppbv		98
58) Ethyl Benzene	12.76	91	2536071	8.413	ppbv		98
59) m/p-Xylene	13.05	91	2117207	8.125	ppbv	#	30
60) o-Xylene	13.75	91	2151401	8.350	ppbv		100
61) Styrene	13.58	104	1527349	8.220	ppbv		99
62) Isopropylbenzene	14.72	105	2866182	8.411	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1548442	7.995	ppbv		100
64) n-propylbenzene	15.62	120	727258	8.218	ppbv		91
65) tert-Butylbenzene	16.81	119	2570718	8.399	ppbv		99
66) Benzyl Chloride	17.06	91	1206550	10.247	ppbv		99
67) sec-Butylbenzene	17.36	105	3580284	8.362	ppbv		100
69) p-Isopropyltoluene	17.71	119	3020643	8.501	ppbv		99
70) n-Butylbenzene	18.62	91	3190079	8.344	ppbv		99
71) 2-Chlorotoluene	15.51	91	2247434	8.272	ppbv		100
72) 4-Ethyltoluene	15.90	105	2444538	8.211	ppbv		99
73) 1,3,5-Trimethylbenzene	16.06	105	2397562	8.228	ppbv		97
74) 1,2,4-Trimethylbenzene	16.83	105	2479358	8.010	ppbv	#	89
75) 1,3-Dichlorobenzene	17.06	146	1381162	7.763	ppbv		99
76) 1,4-Dichlorobenzene	17.20	146	1389163	8.040	ppbv		98
77) 1,2-Dichlorobenzene	17.89	146	1370963	7.978	ppbv		99
78) Hexachloro-1,3-Butadiene	23.44	225	1132538	7.670	ppbv		99
79) Naphthalene	22.29	128	2130404	7.939	ppbv		98
80) Naphthalene,2-methyl-	25.03	142	417767	3.448	ppbv		96
81) 1,2,4-Trichlorobenzene	22.01	180	1205106	7.310	ppbv		100

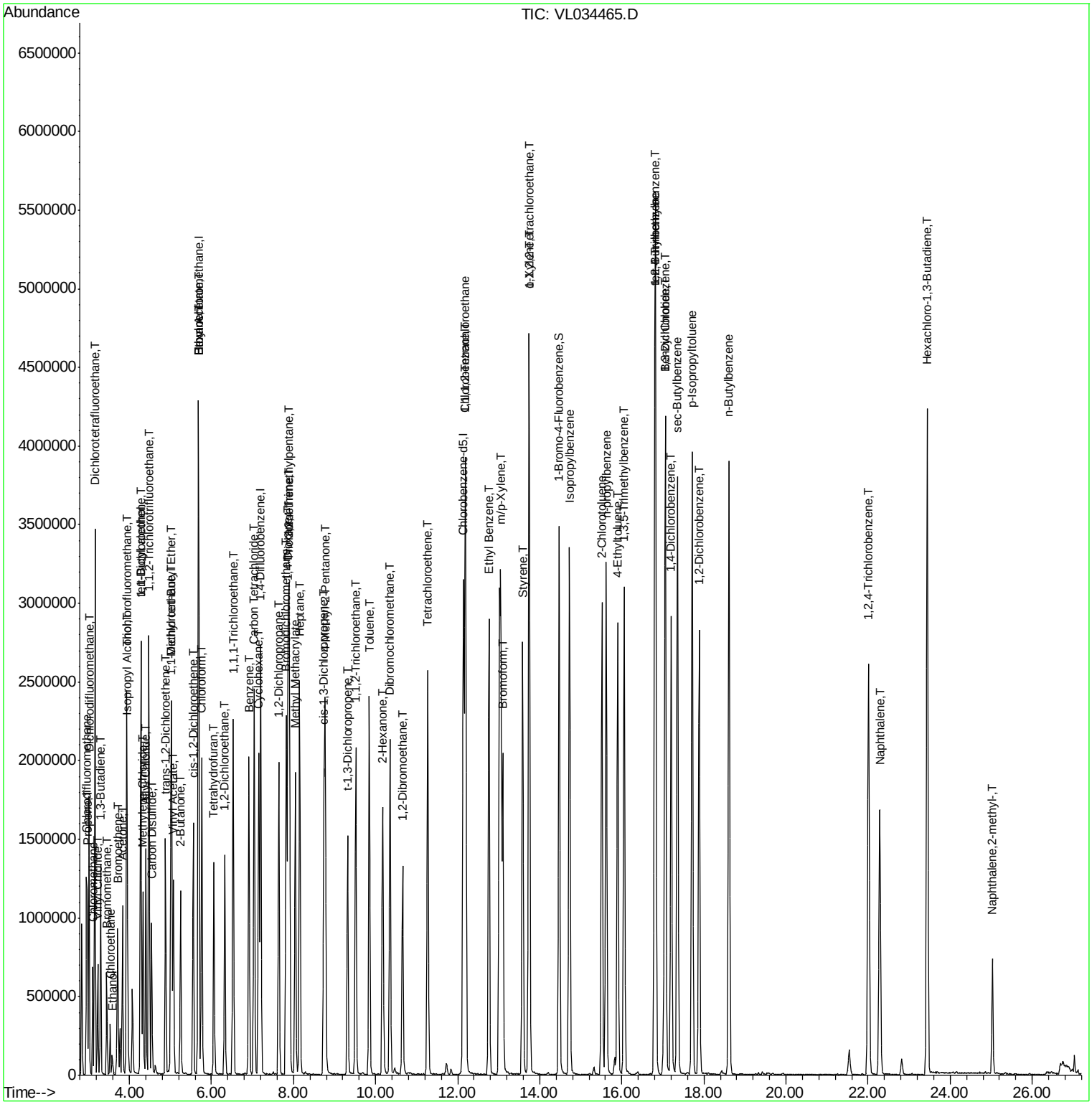
(#) = qualifier out of range (m) = manual integration (+) = signals summed

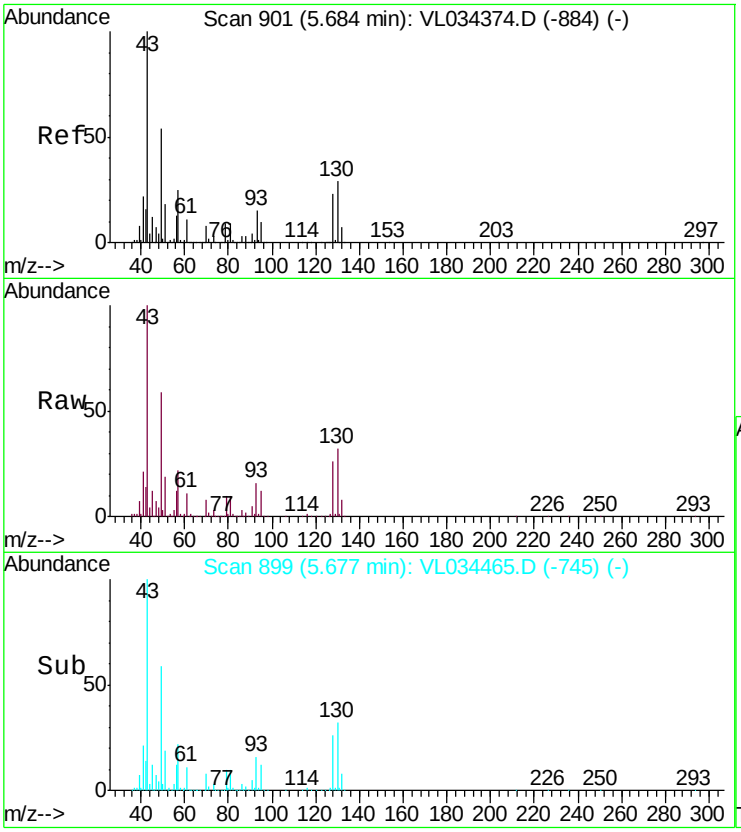
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
Data File : VL034465.D
Acq On : 9 Dec 2019 14:48
Operator : SY/AP
Sample : VL1203ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL1209ABS01

Quant Time: Dec 10 03:39:15 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration



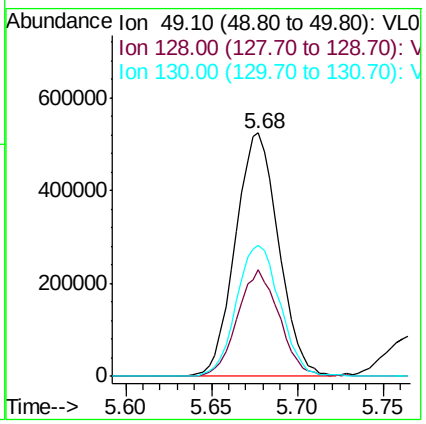


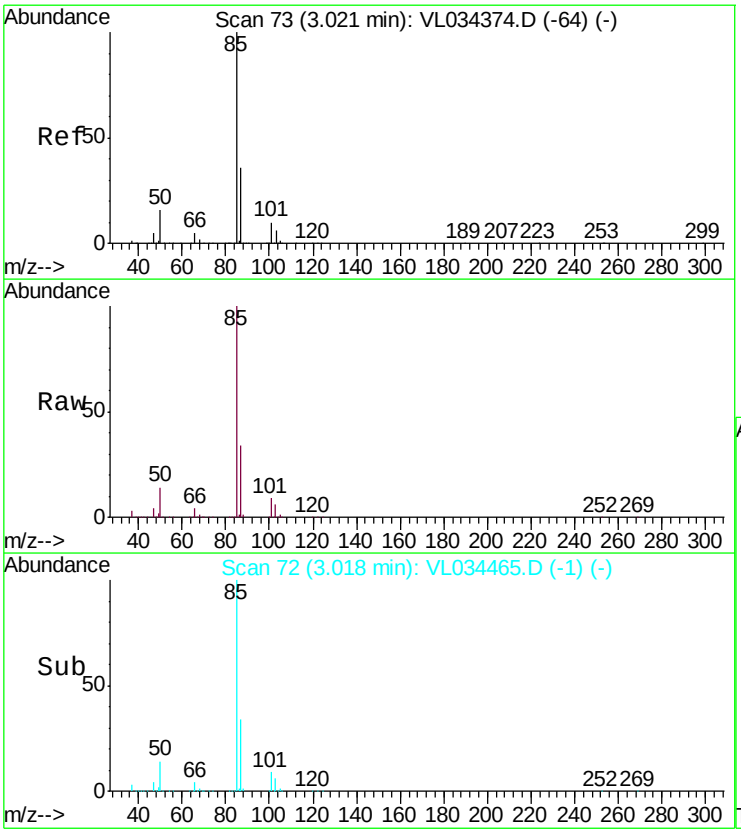
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 49 Resp: 915338

Ion	Ratio	Lower	Upper
49	100		
128	42.3	21.8	65.3
130	54.6	28.0	84.0

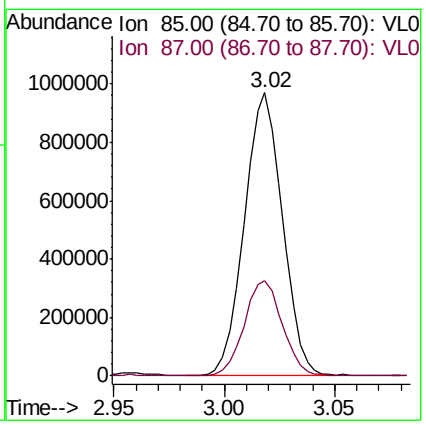


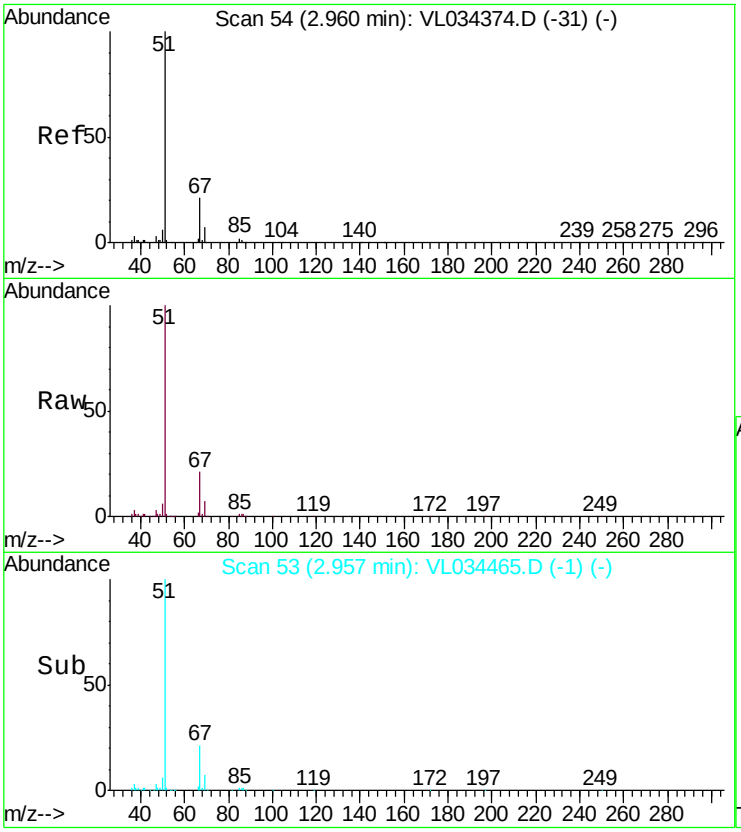


#2
Dichlorodifluoromethane
Concen: 7.020 ppbv
RT: 3.02 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 85 Resp: 1162453

Ion	Ratio	Lower	Upper
85	100		
87	33.7	28.5	42.7



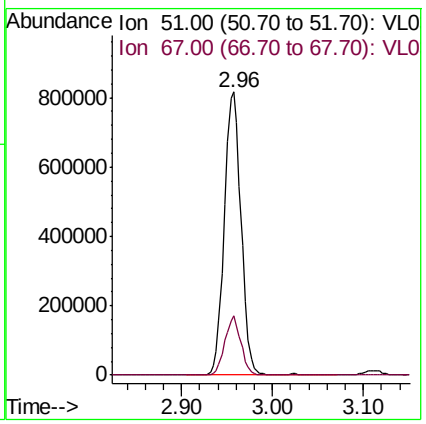


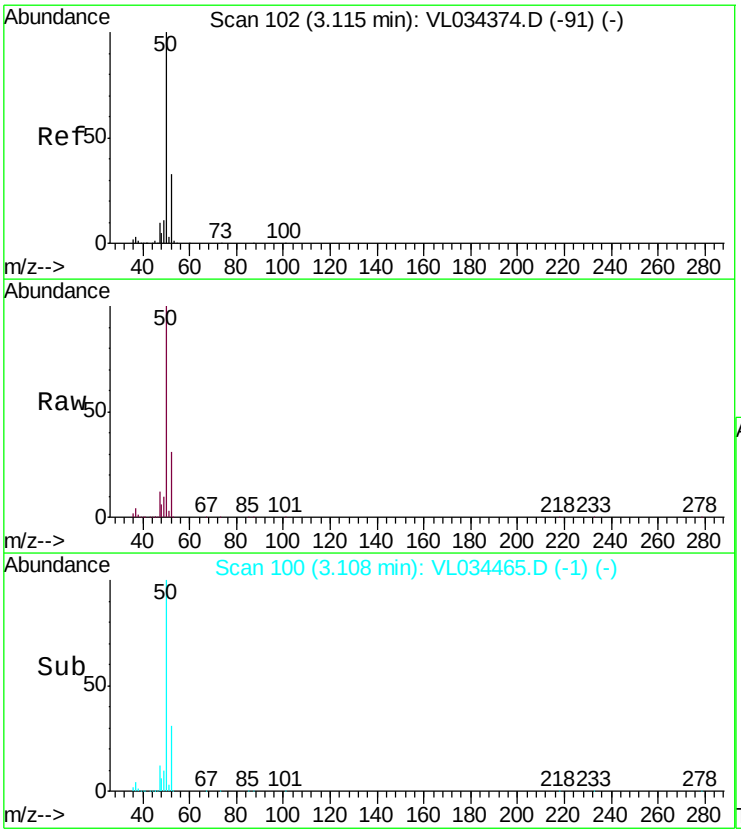
#3
Chlorodifluoromethane
Concen: 9.172 ppbv
RT: 2.96 min Scan# 53
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 51 Resp: 1047551

Ion	Ratio	Lower	Upper
51	100		
67	20.0	16.2	24.2

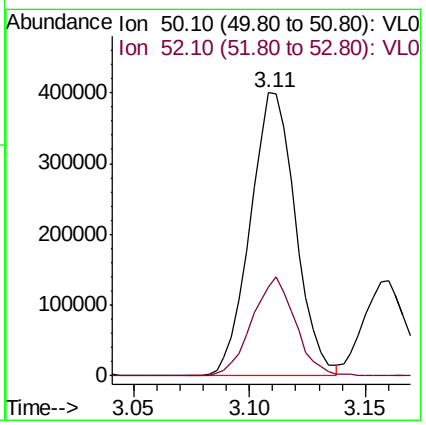


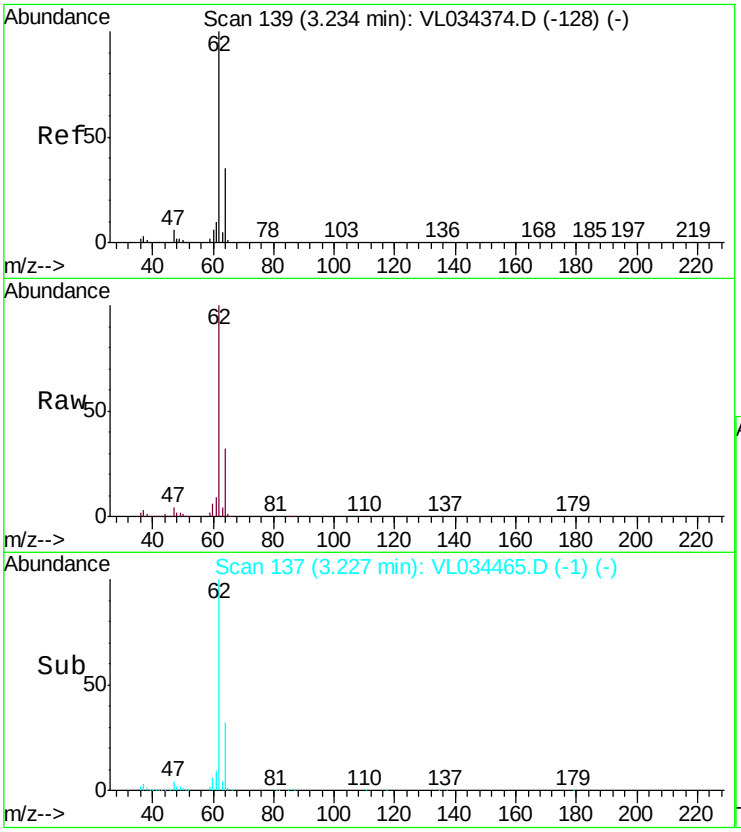


#4
Chloromethane
Concen: 8.089 ppbv
RT: 3.11 min Scan# 100
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 50 Resp: 544933

Ion	Ratio	Lower	Upper
50	100		
52	31.4	26.8	40.2



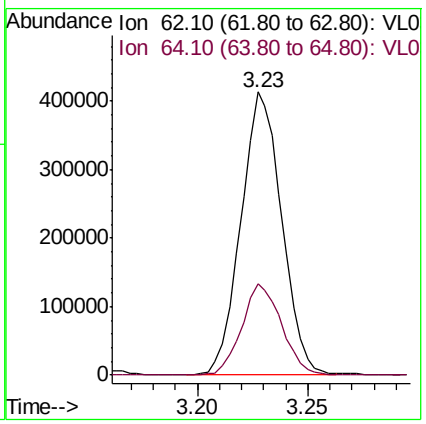


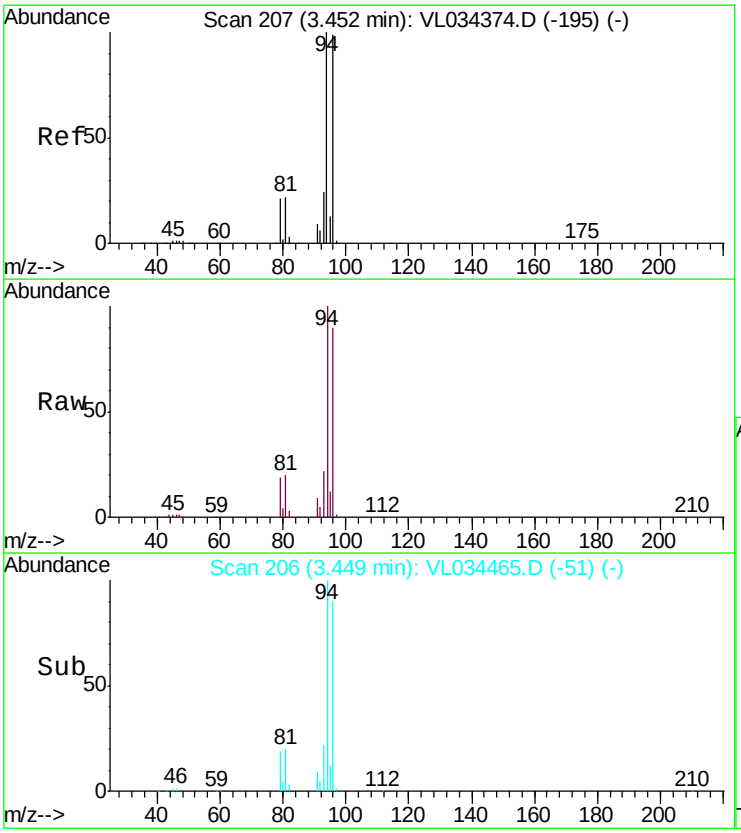
#5
Vinyl Chloride
Concen: 8.409 ppbv
RT: 3.23 min Scan# 137
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 62 Resp: 530730

Ion	Ratio	Lower	Upper
62	100		
64	32.4	28.4	42.6

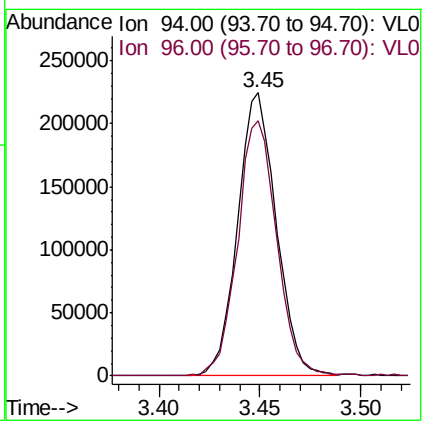


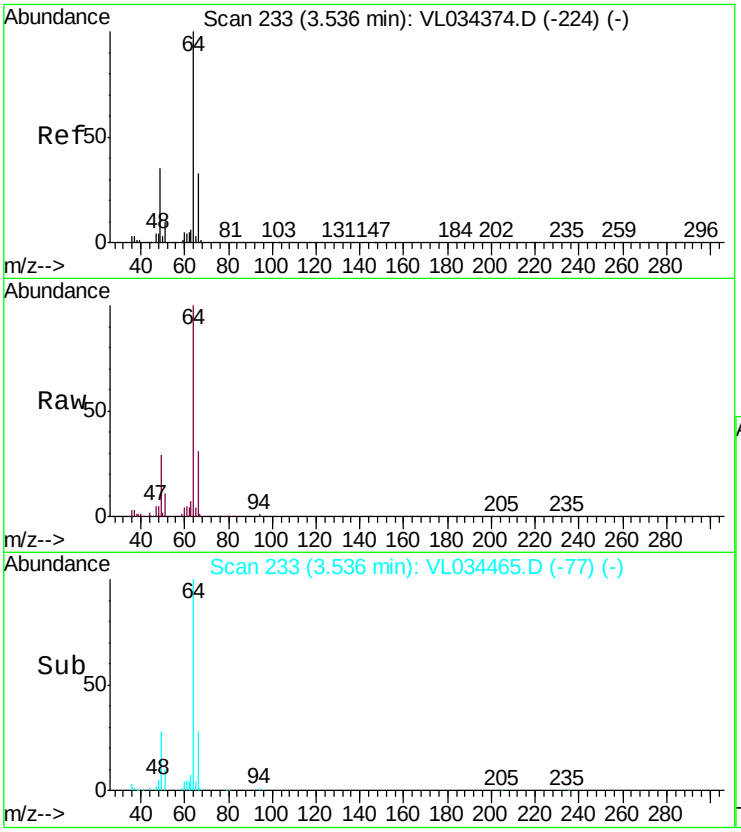


#6
Bromomethane
Concen: 9.524 ppbv
RT: 3.45 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 94 Resp: 302457

Ion	Ratio	Lower	Upper
94	100		
96	90.2	79.5	119.3



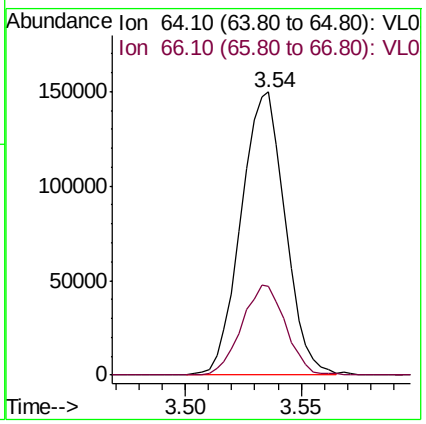


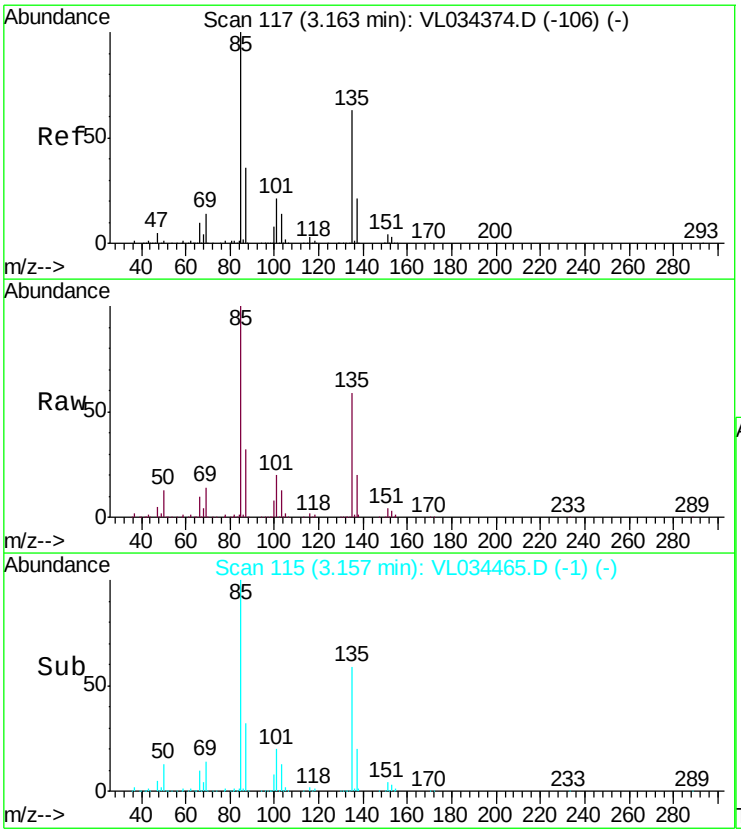
#7
Chloroethane
Concen: 8.674 ppbv
RT: 3.54 min Scan# 233
Delta R.T. 0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 64 Resp: 198706

Ion	Ratio	Lower	Upper
64	100		
66	31.4	26.0	39.0

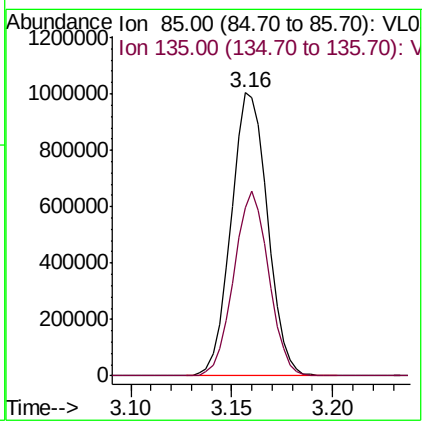


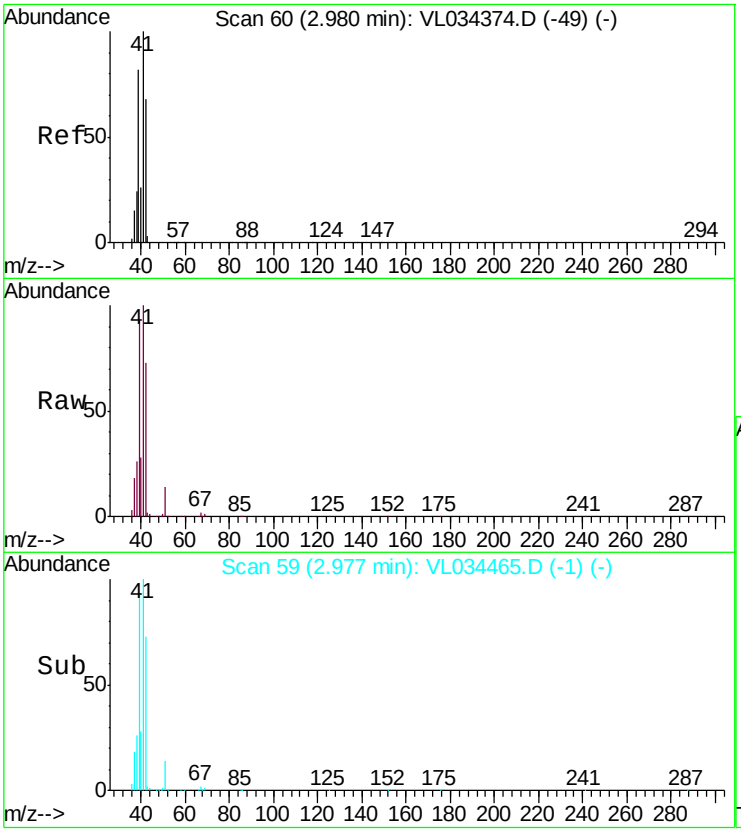


#8
Dichlorotetrafluoroethane
Concen: 8.538 ppbv
RT: 3.16 min Scan# 115
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 85 Resp: 1269730

Ion	Ratio	Lower	Upper
85	100		
135	62.9	51.1	76.7



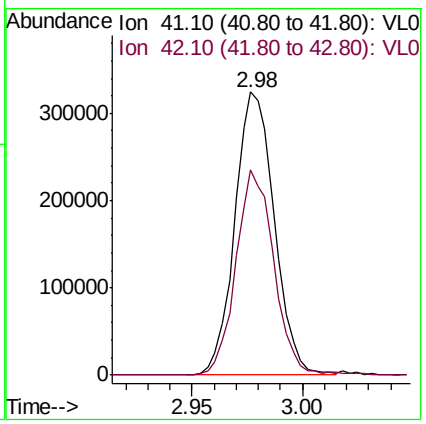


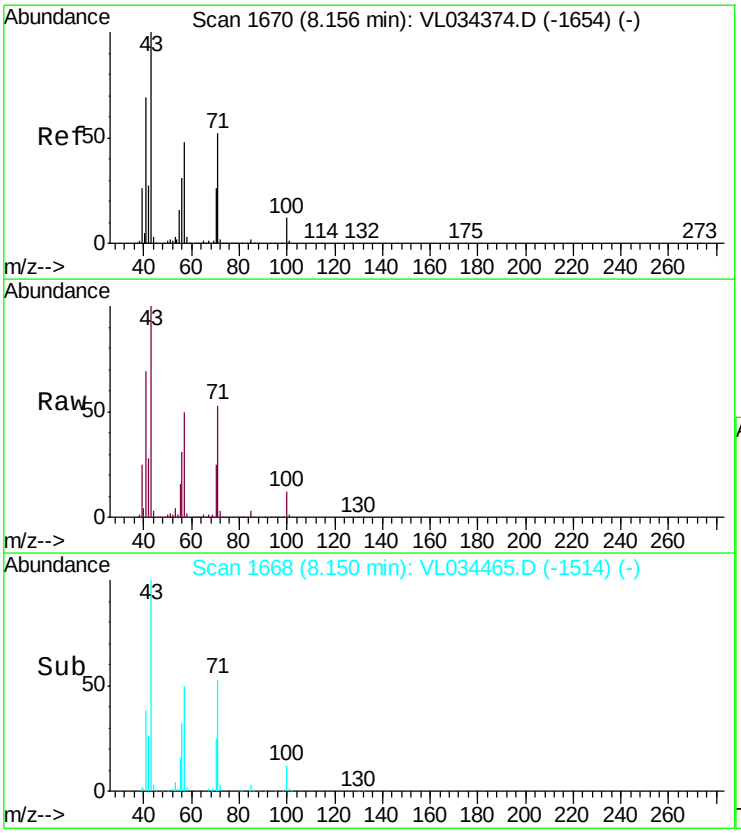
#9
Propene
Concen: 7.964 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 41 Resp: 403812

Ion	Ratio	Lower	Upper
41	100		
42	70.4	54.6	82.0

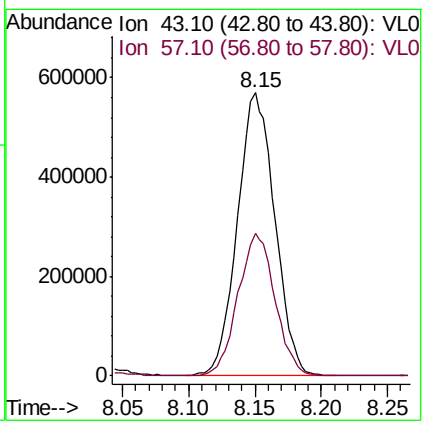


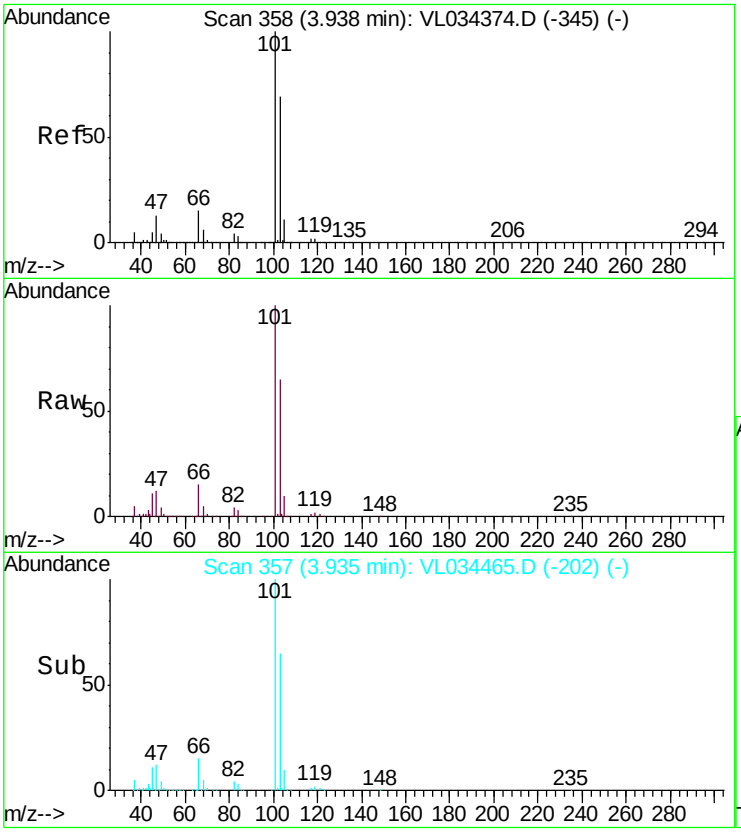


#10
Heptane
Concen: 8.505 ppbv
RT: 8.15 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 43 Resp: 1112940

Ion	Ratio	Lower	Upper
43	100		
57	49.6	40.2	60.2



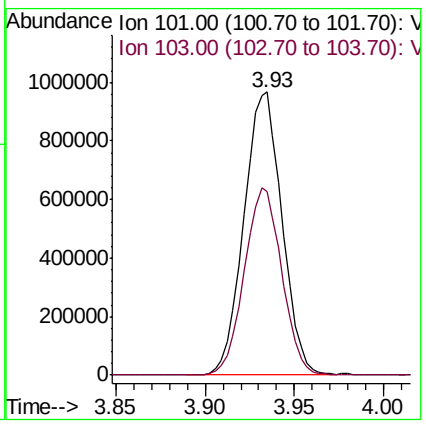


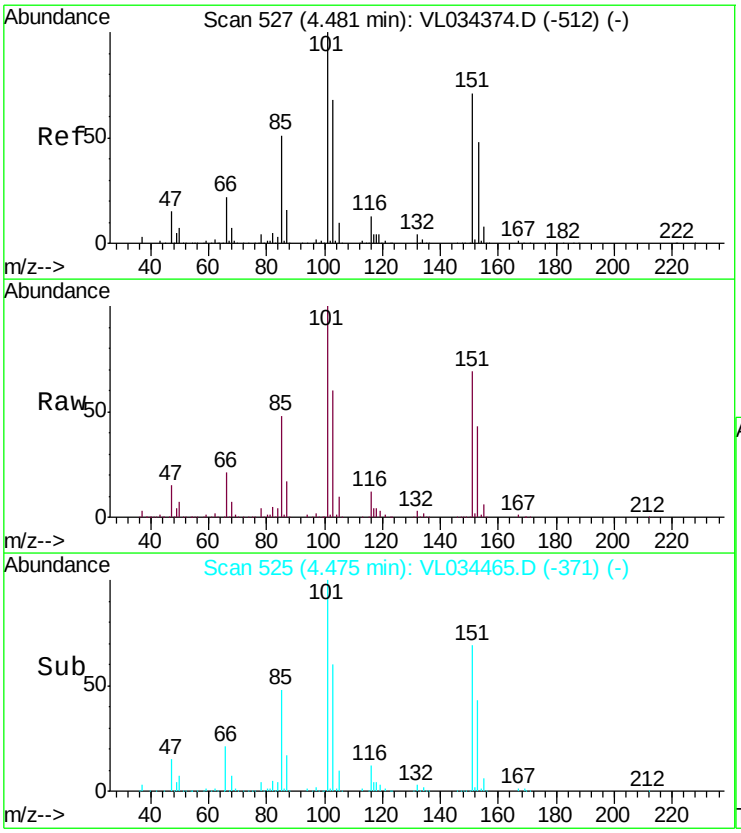
#11
Trichlorofluoromethane
Concen: 8.783 ppbv
RT: 3.93 min Scan# 357
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion:101 Resp: 1447425

Ion	Ratio	Lower	Upper
101	100		
103	65.0	55.4	83.0

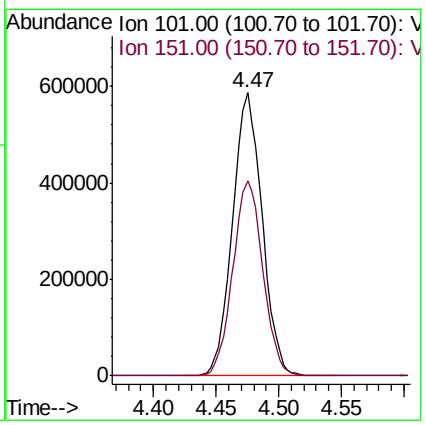


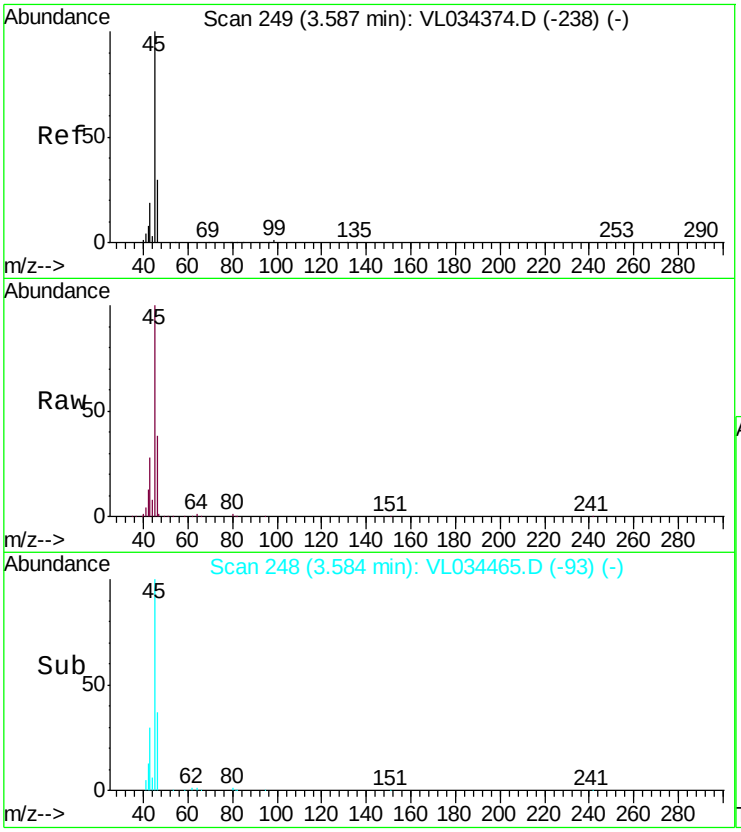


#12
1,1,2-Trichlorotrifluoroethane
Concen: 8.790 ppbv
RT: 4.47 min Scan# 525
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion:101 Resp: 962046

Ion	Ratio	Lower	Upper
101	100		
151	70.0	57.4	86.2



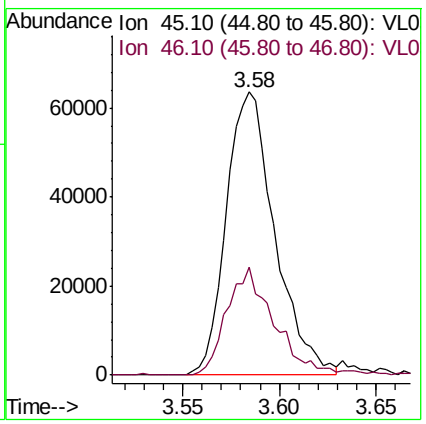


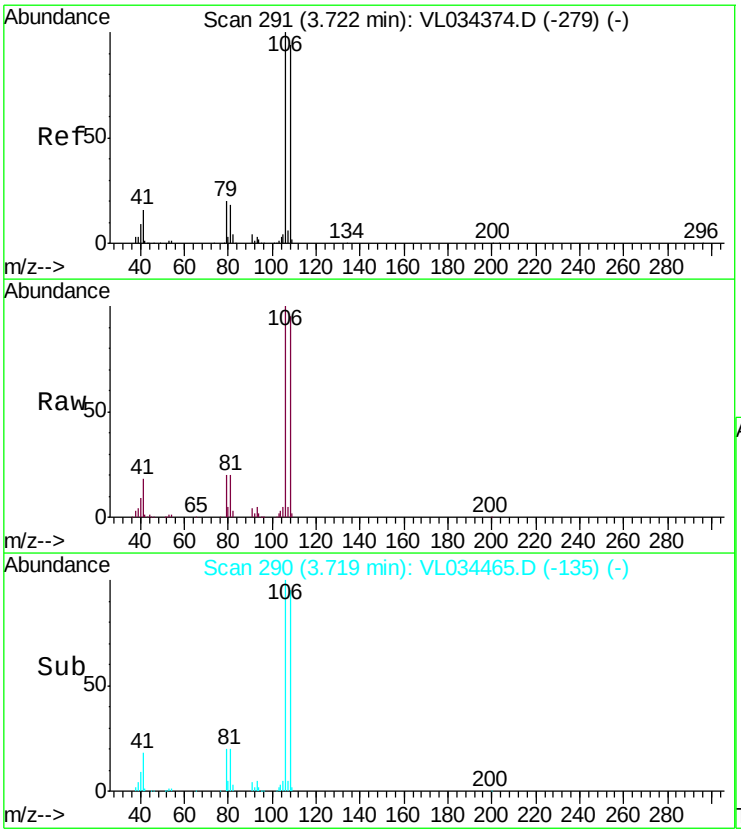
#13
Ethanol
Concen: 7.851 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 45 Resp: 110886

Ion	Ratio	Lower	Upper
45	100		
46	38.0	13.8	55.4

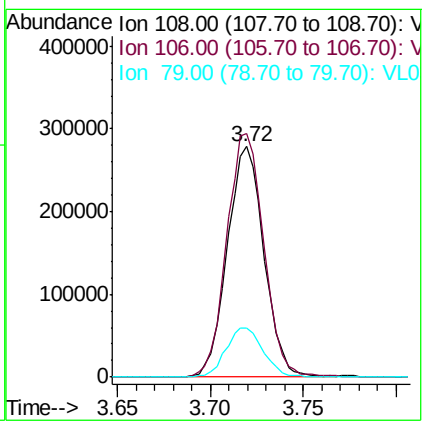


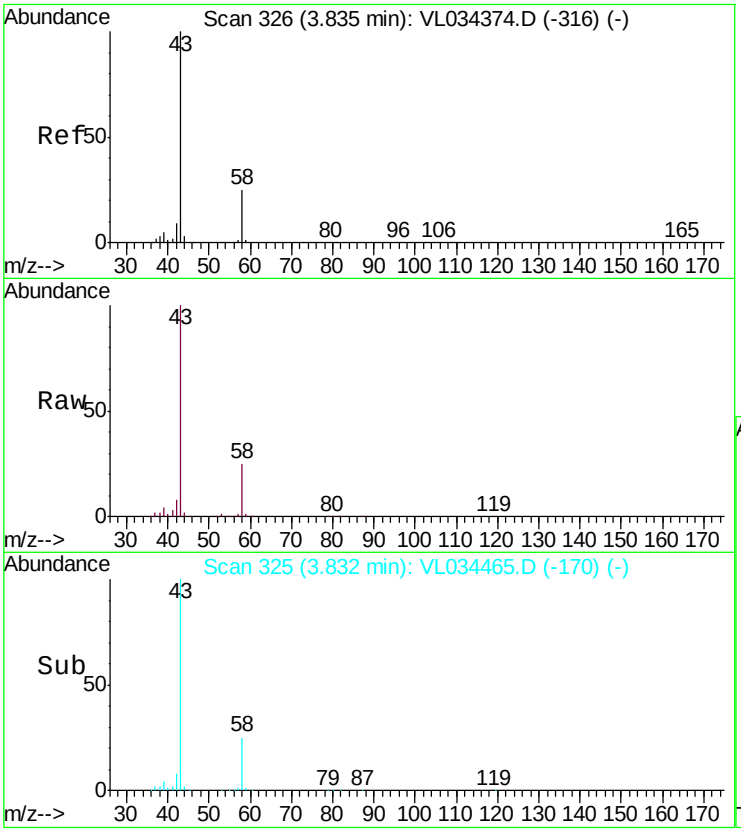


#14
Bromoethene
Concen: 8.579 ppbv
RT: 3.72 min Scan# 290
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion:108 Resp: 381769

Ion	Ratio	Lower	Upper
108	100		
106	107.0	85.7	128.5
79	21.9	17.2	25.8



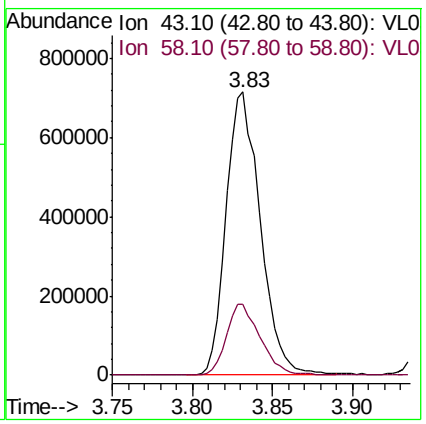


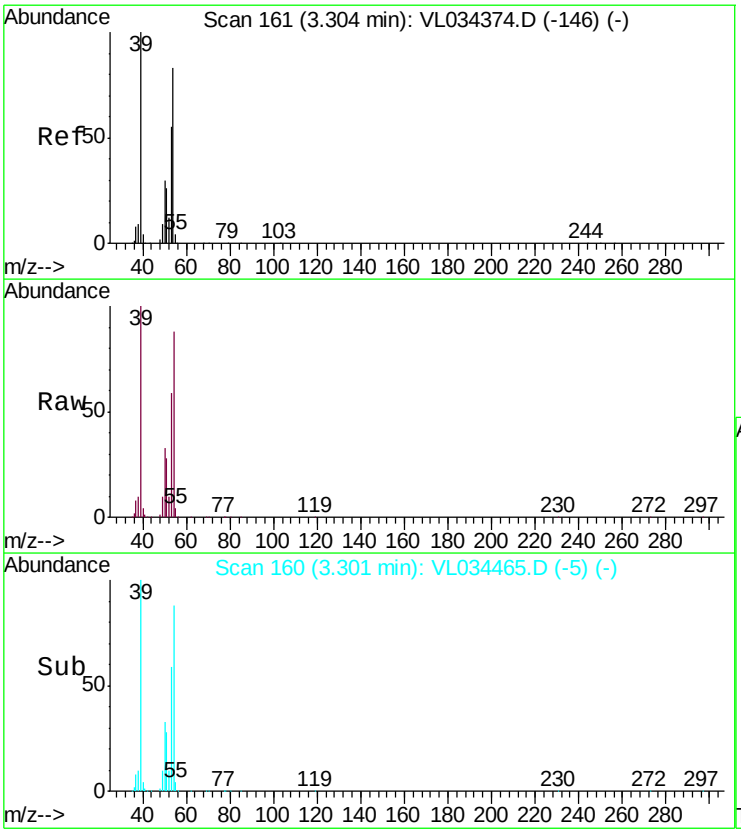
#15
Acetone
Concen: 7.940 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 43 Resp: 1040762

Ion	Ratio	Lower	Upper
43	100		
58	25.0	20.2	30.4

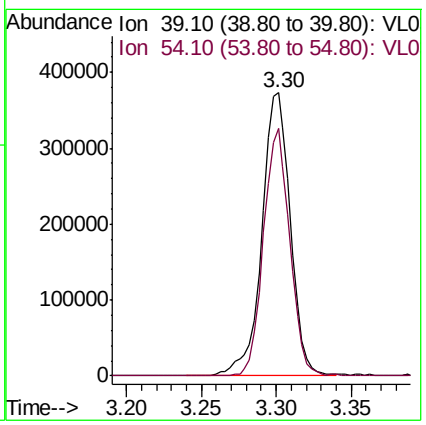


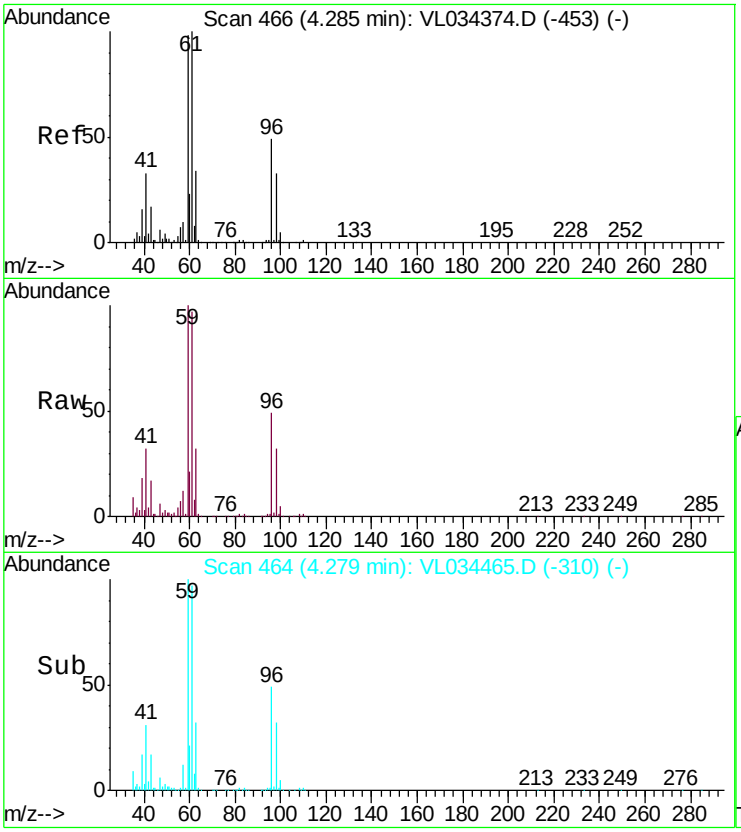


#16
1,3-Butadiene
Concen: 8.642 ppbv
RT: 3.30 min Scan# 160
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 39 Resp: 493429

Ion	Ratio	Lower	Upper
39	100		
54	80.9	64.7	97.1



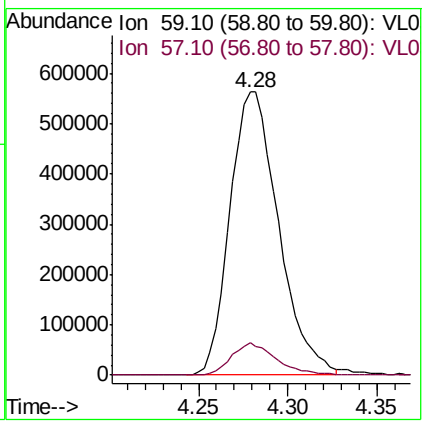


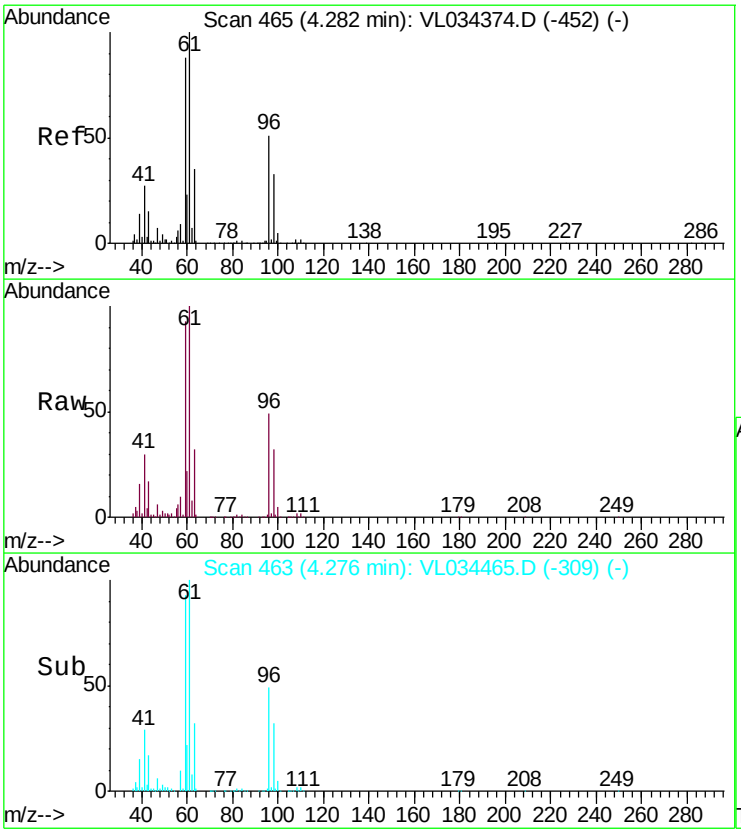
#17
tert-Butyl alcohol
Concen: 9.686 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 59 Resp: 1067142

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.8	13.2

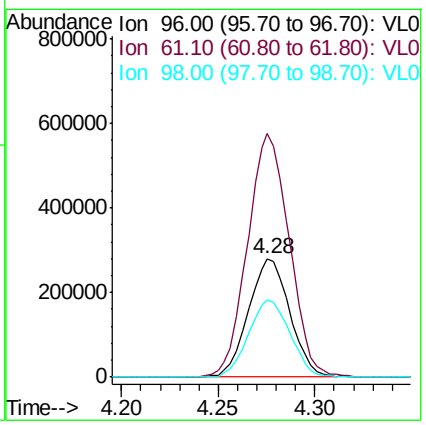


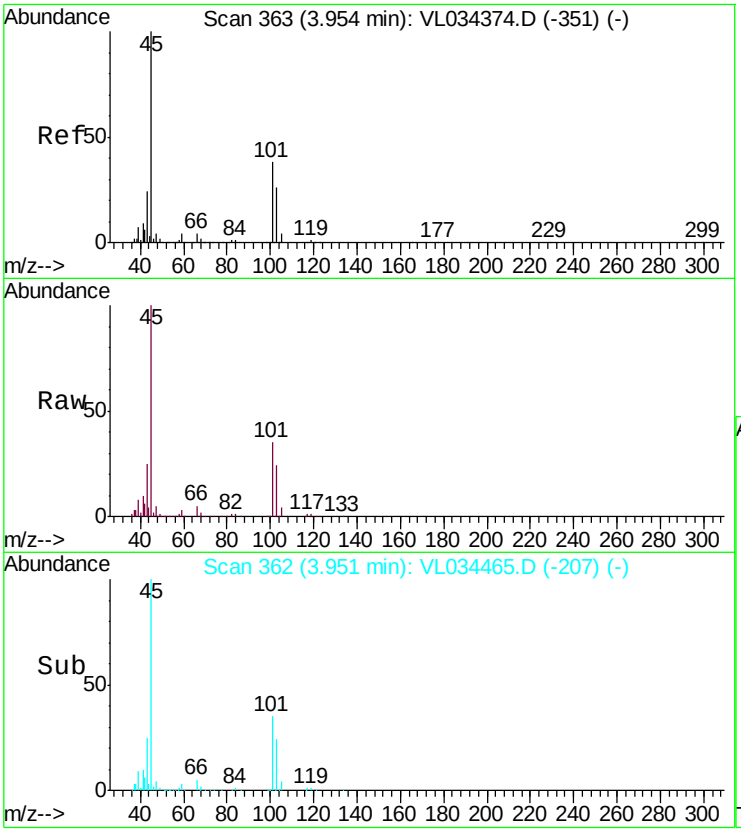


#18
1,1-Dichloroethene
Concen: 8.673 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 96 Resp: 415182

Ion	Ratio	Lower	Upper
96	100		
61	205.3	155.6	233.4
98	65.2	51.6	77.4



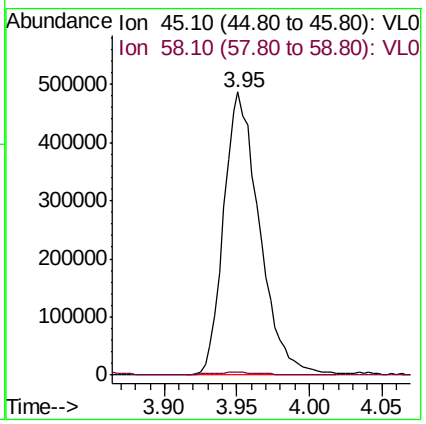


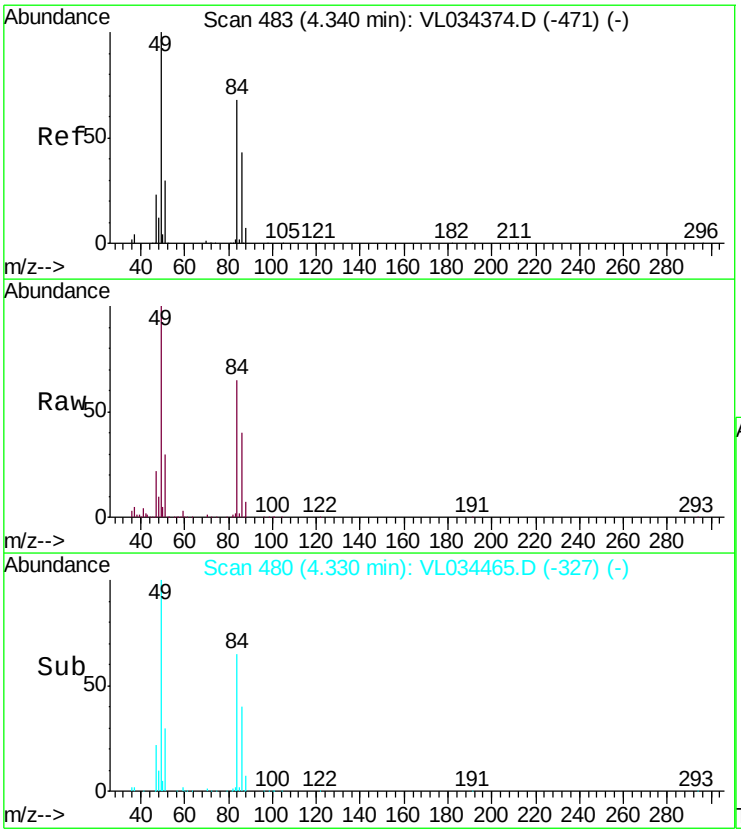
#19
Isopropyl Alcohol
Concen: 9.918 ppbv
RT: 3.95 min Scan# 362
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument : MSVOA_L
ClientSampleId : VL1209ABS01

Tgt Ion: 45 Resp: 833287

Ion	Ratio	Lower	Upper
45	100		
58	1.5	1.3	1.9

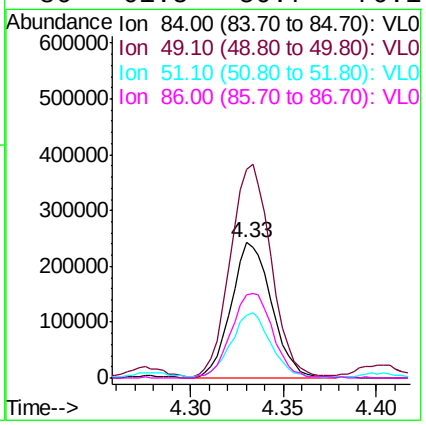


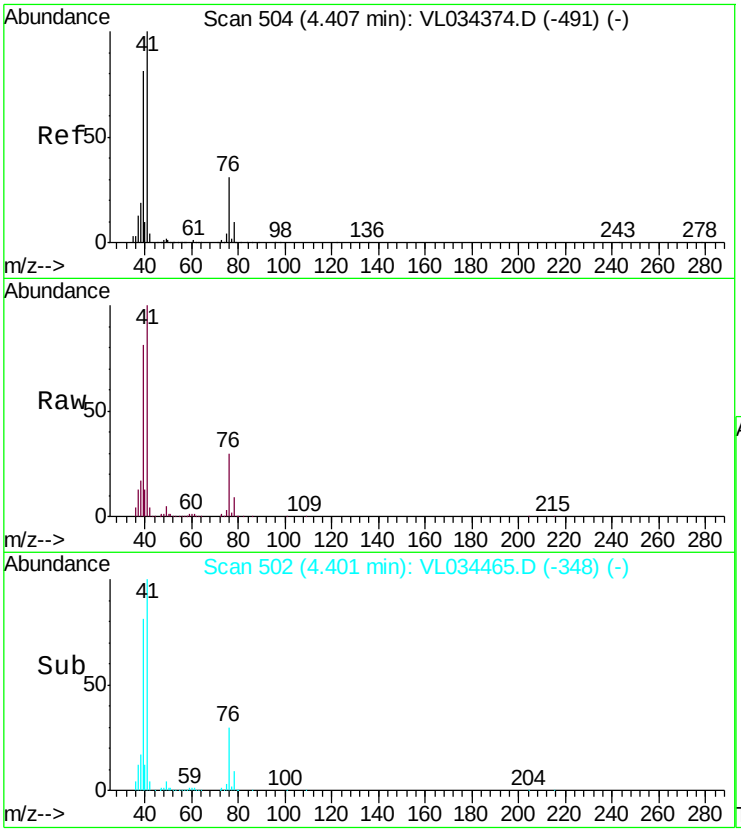


#20
Methylene Chloride
Concen: 7.895 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 84 Resp: 366962

Ion	Ratio	Lower	Upper
84	100		
49	152.7	116.8	175.2
51	46.1	35.6	53.4
86	61.5	50.7	76.1



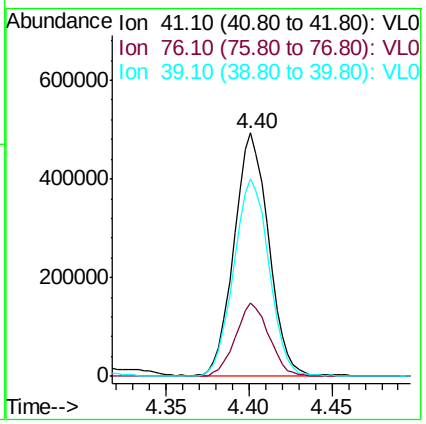


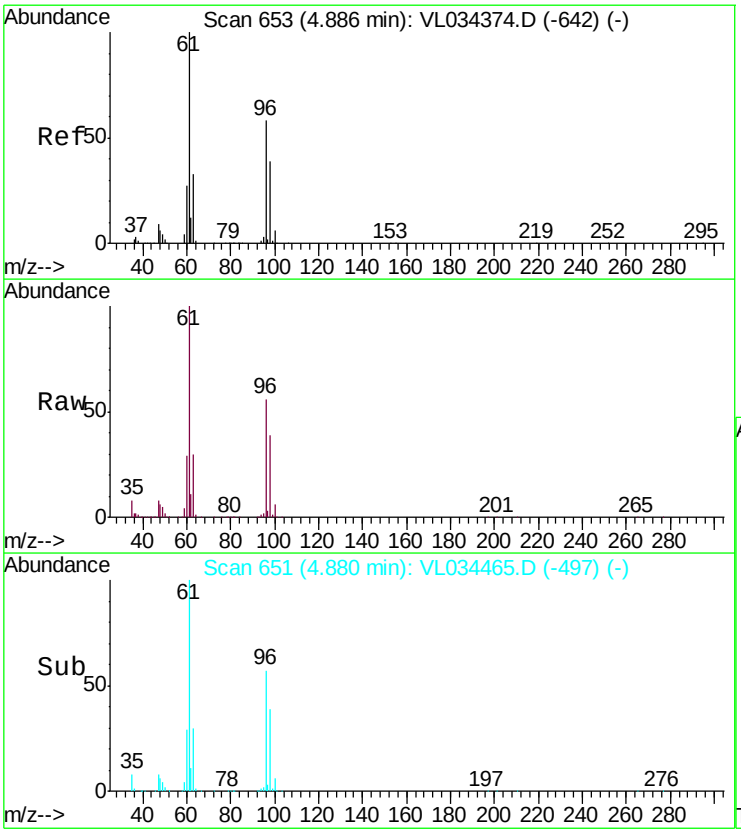
#21
Allyl Chloride
Concen: 9.053 ppbv
RT: 4.40 min Scan# 502
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument : MSVOA_L
ClientSampleId : VL1209ABS01

Tgt Ion: 41 Resp: 710997

Ion	Ratio	Lower	Upper
41	100		
76	29.6	24.2	36.2
39	83.2	66.9	100.3

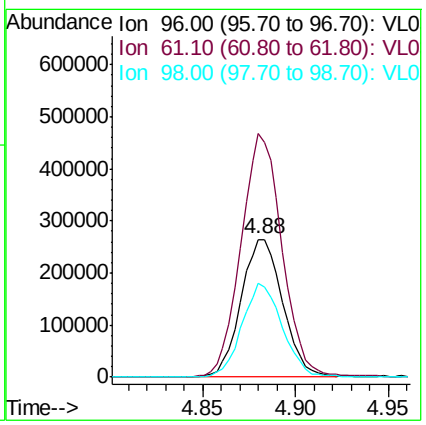


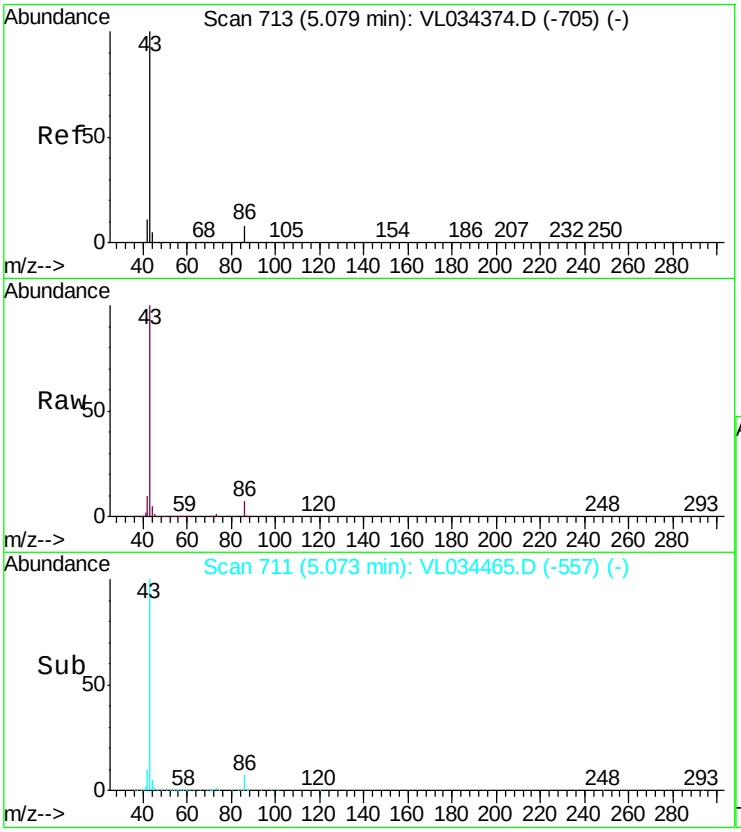


#22
trans-1,2-Dichloroethene
Concen: 8.588 ppbv
RT: 4.88 min Scan# 651
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 96 Resp: 414469

Ion	Ratio	Lower	Upper
96	100		
61	177.2	137.9	206.9
98	68.6	53.5	80.3



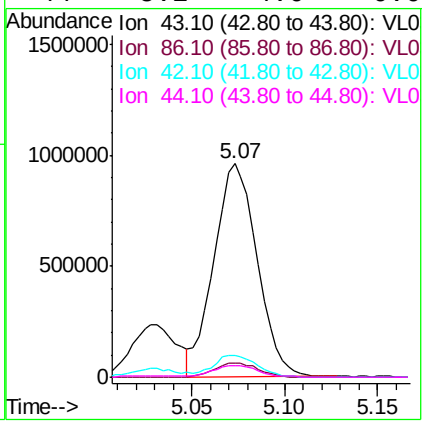


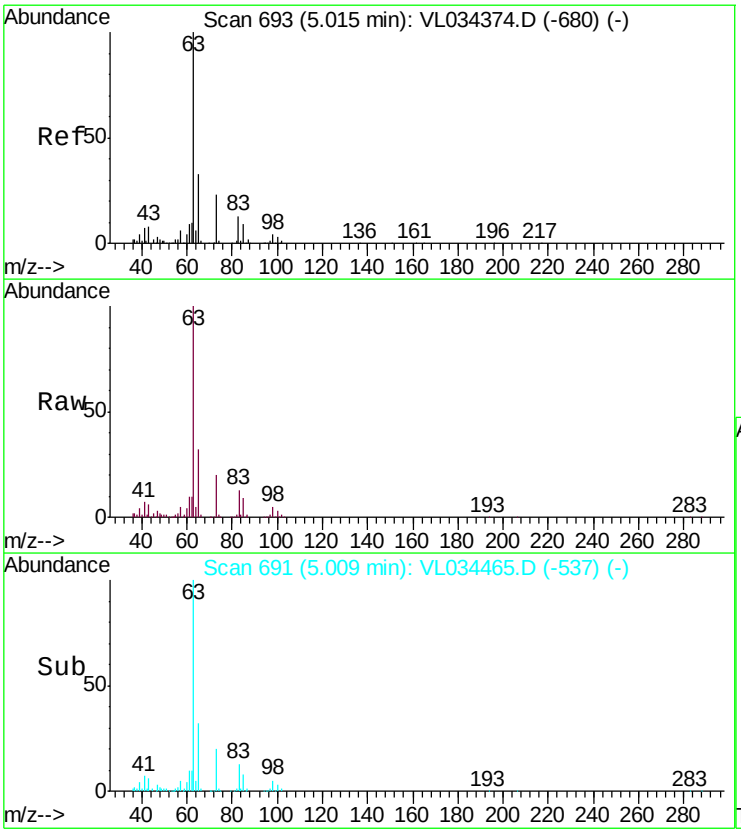
#23
Vinyl Acetate
Concen: 9.082 ppbv
RT: 5.07 min Scan# 711
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument : MSVOA_L
ClientSampleId : VL1209ABS01

Tgt Ion: 43 Resp: 1554954

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.8	8.6
42	10.0	8.9	13.3
44	5.2	4.0	6.0

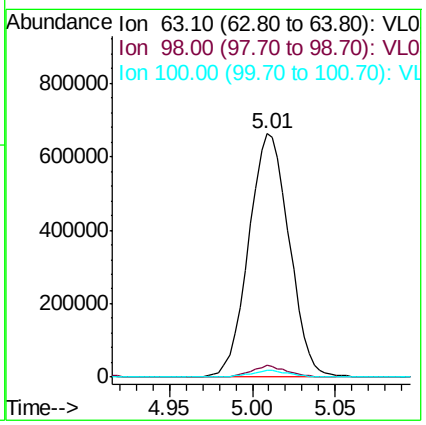


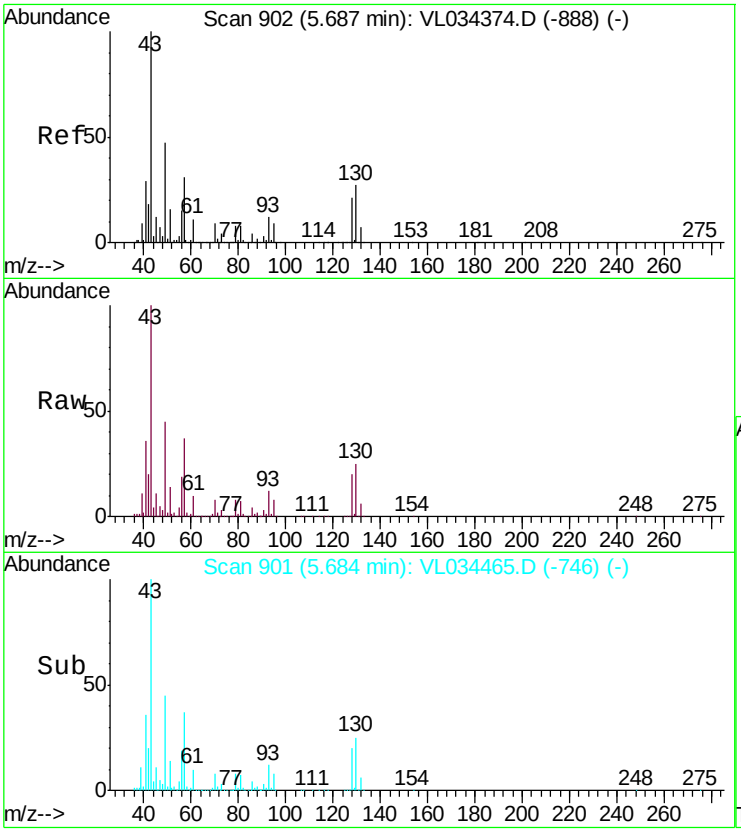


#24
1,1-Dichloroethane
Concen: 8.523 ppbv
RT: 5.01 min Scan# 691
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 63 Resp: 1120978

Ion	Ratio	Lower	Upper
63	100		
98	4.8	1.9	5.7
100	2.8	1.4	4.0



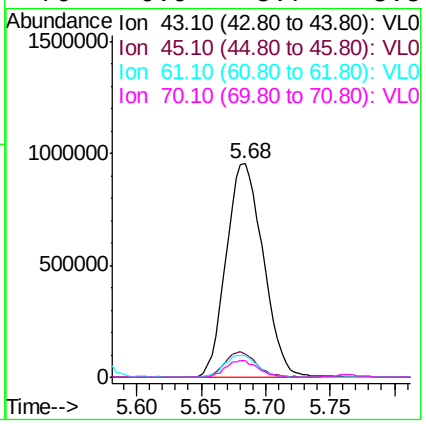


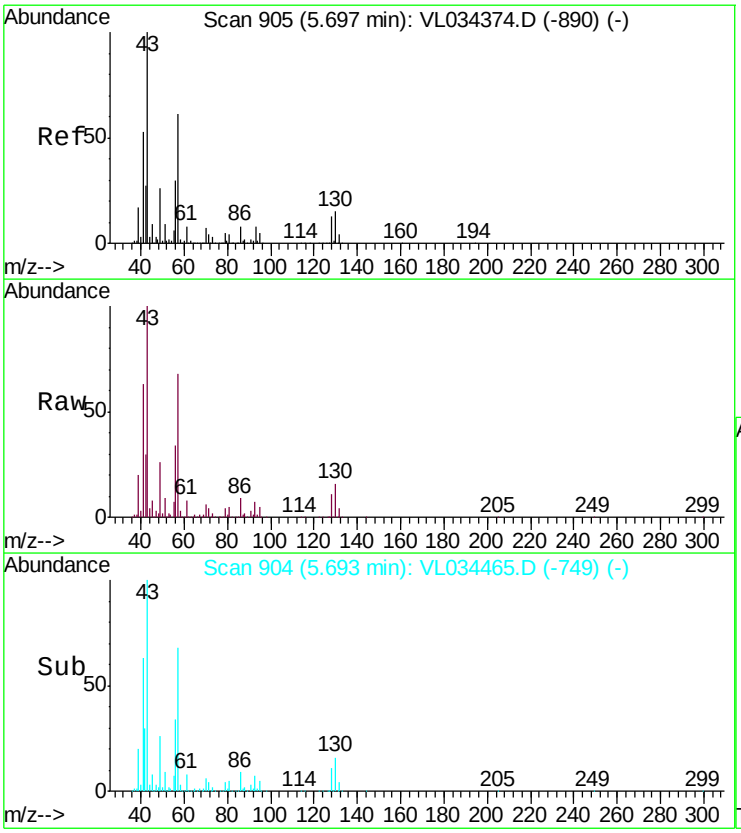
#25
Ethyl Acetate
Concen: 8.121 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument : MSVOA_L
ClientSampleId : VL1209ABS01

Tgt Ion: 43 Resp: 1899344

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	9.3	7.5	11.3
70	6.9	5.7	8.5

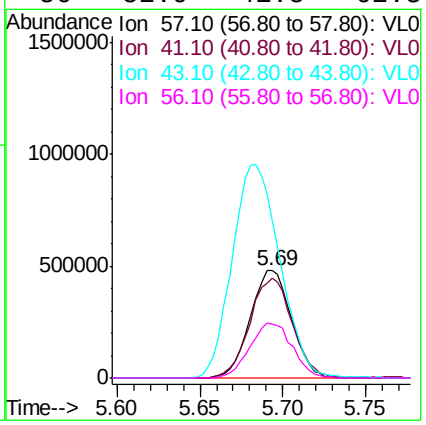


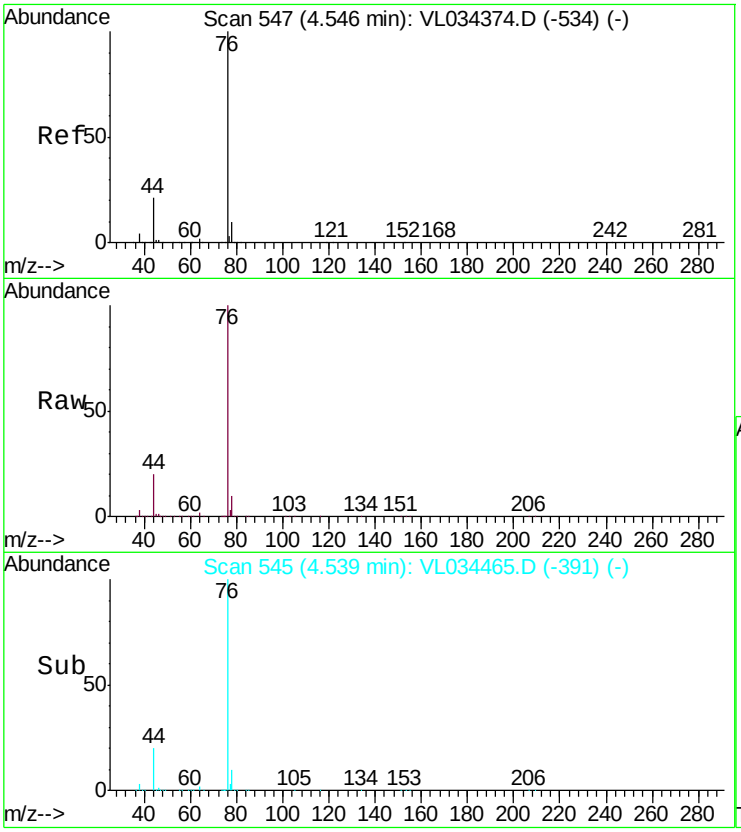


#26
Hexane
Concen: 8.240 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 57 Resp: 828136

Ion	Ratio	Lower	Upper
57	100		
41	96.3	75.0	112.4
43	229.6	186.6	279.8
56	52.9	41.5	62.3



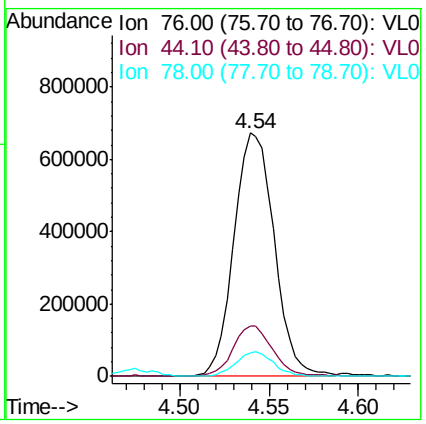


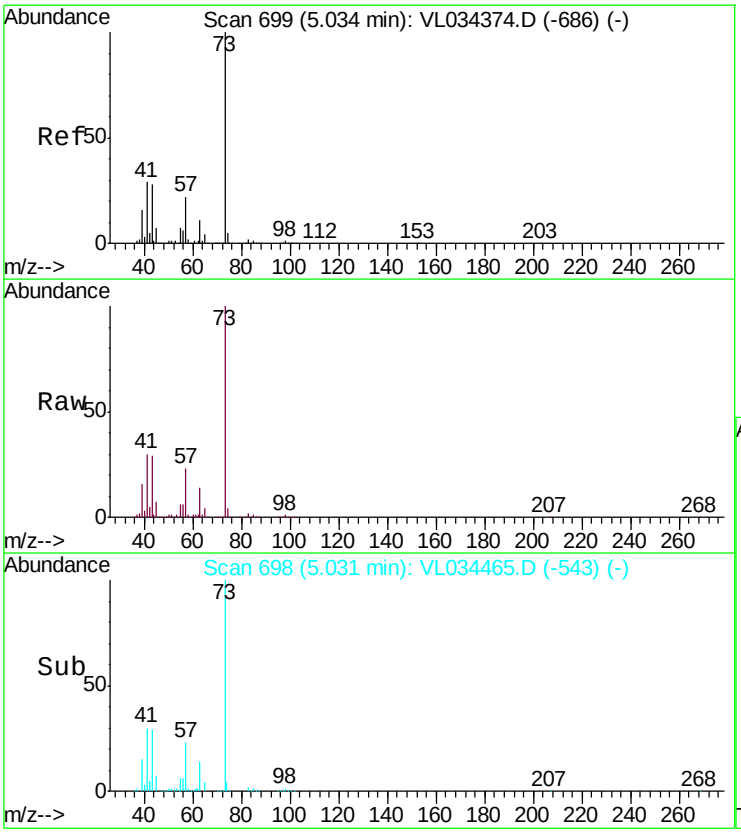
#27
Carbon Disulfide
Concen: 9.692 ppbv
RT: 4.54 min Scan# 545
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 76 Resp: 1060911

Ion	Ratio	Lower	Upper
76	100		
44	20.0	17.0	25.4
78	9.4	7.6	11.4

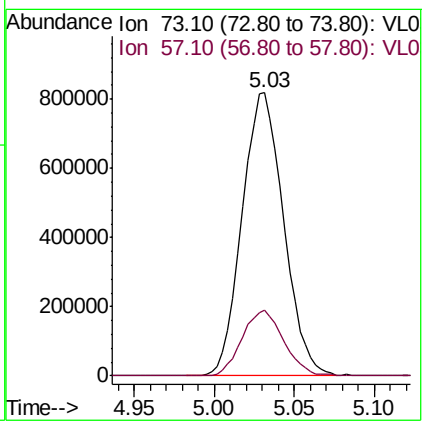


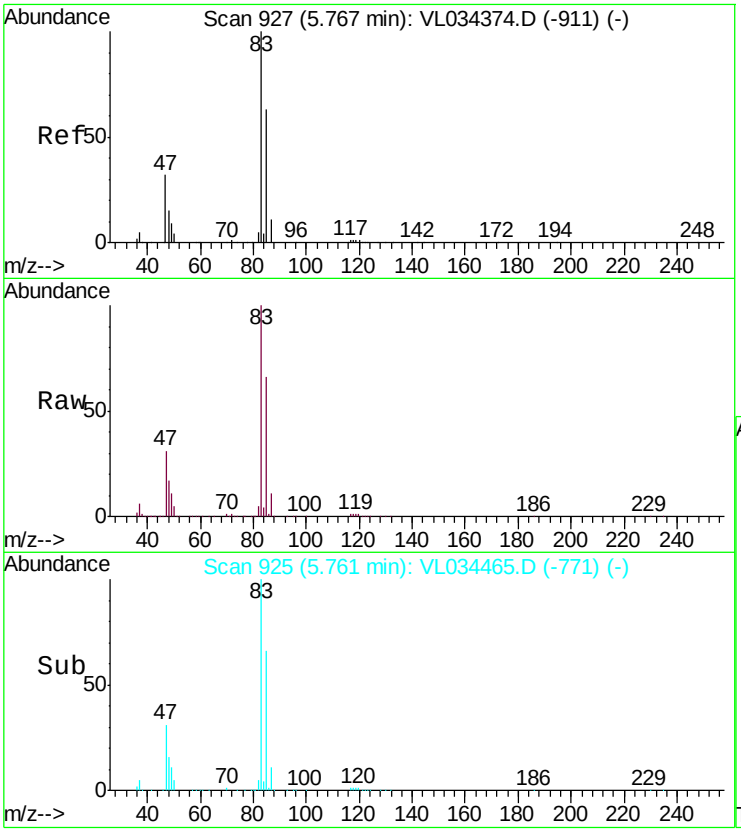


#28
Methyl tert-Butyl Ether
Concen: 8.721 ppbv
RT: 5.03 min Scan# 698
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 73 Resp: 1453339

Ion	Ratio	Lower	Upper
73	100		
57	23.3	18.4	27.6



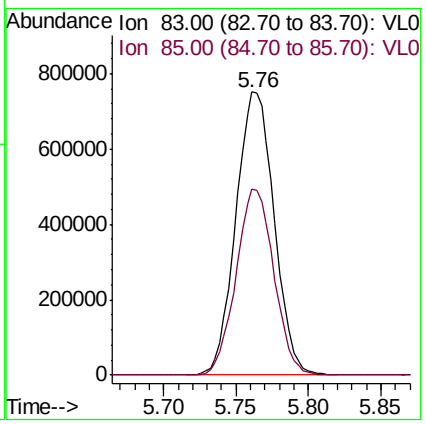


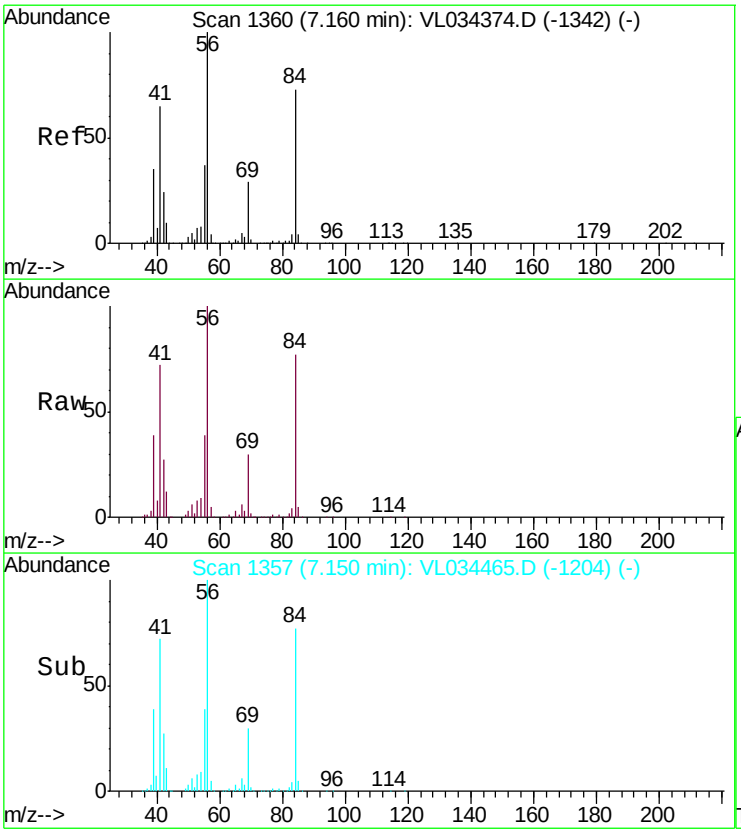
#29
Chloroform
Concen: 8.494 ppbv
RT: 5.76 min Scan# 925
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 83 Resp: 1382406

Ion	Ratio	Lower	Upper
83	100		
85	65.7	50.4	75.6

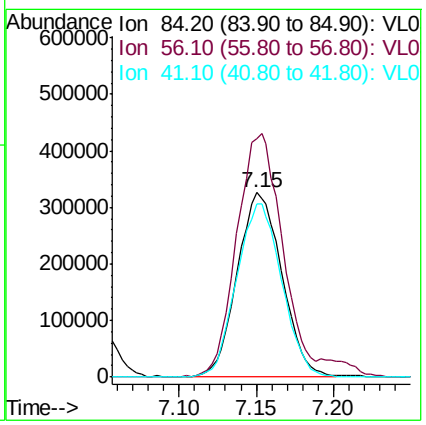


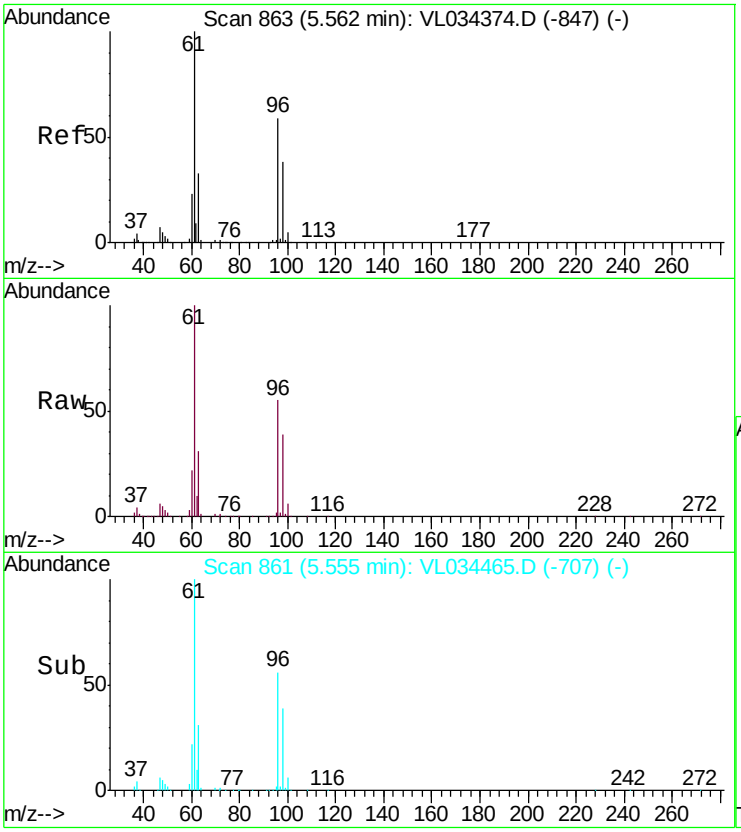


#30
Cyclohexane
Concen: 8.547 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 84 Resp: 649409

Ion	Ratio	Lower	Upper
84	100		
56	142.9	112.6	169.0
41	95.9	73.4	110.2



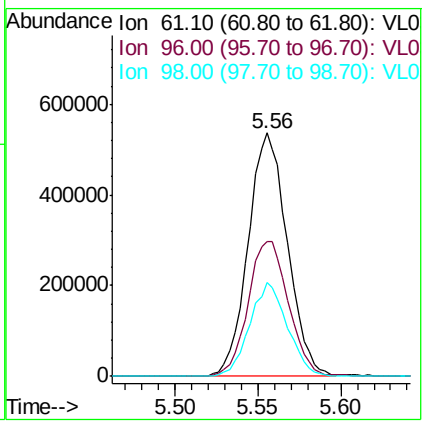


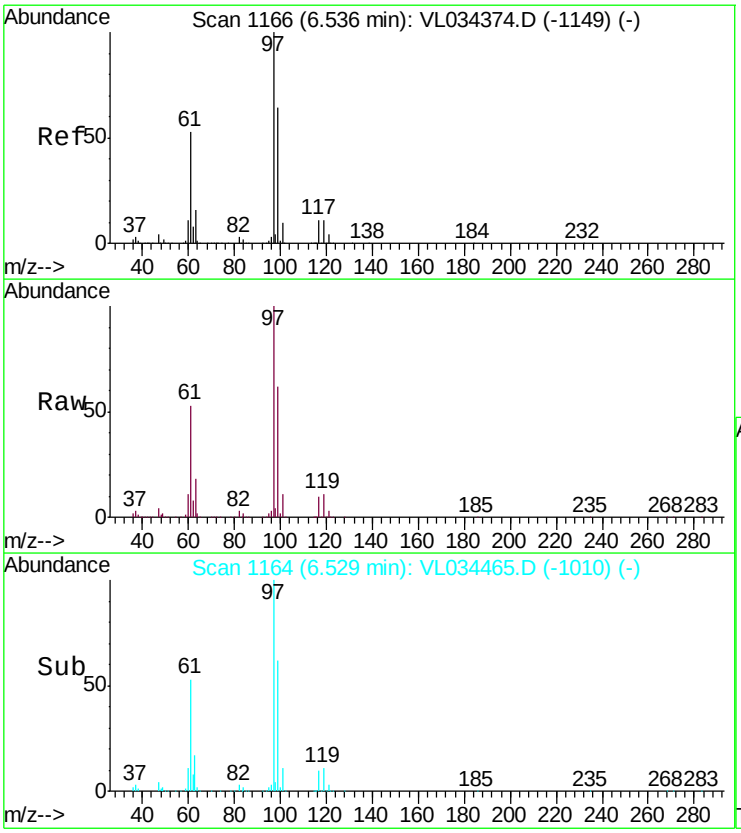
#31
cis-1,2-Dichloroethene
Concen: 8.475 ppbv
RT: 5.56 min Scan# 861
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 61 Resp: 880173

Ion	Ratio	Lower	Upper
61	100		
96	55.4	47.4	71.2
98	38.7	30.6	45.8

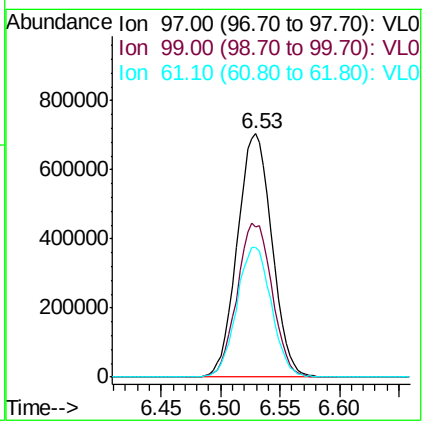


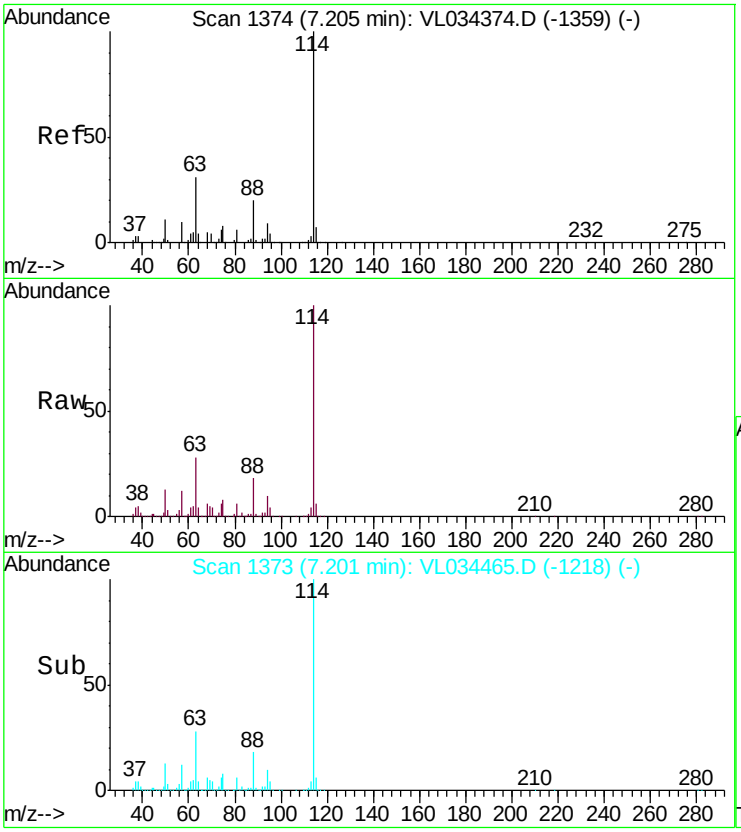


#32
1,1,1-Trichloroethane
Concen: 9.306 ppbv
RT: 6.53 min Scan# 1164
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 97 Resp: 1420005

Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.3	78.5
61	53.5	43.7	65.5



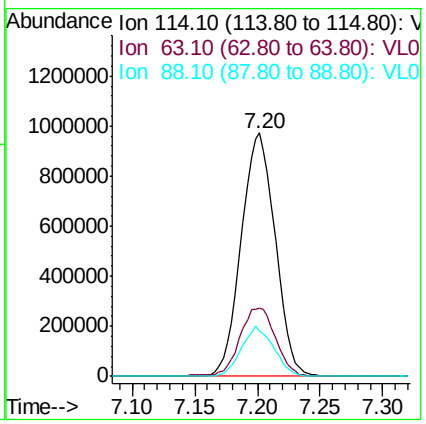


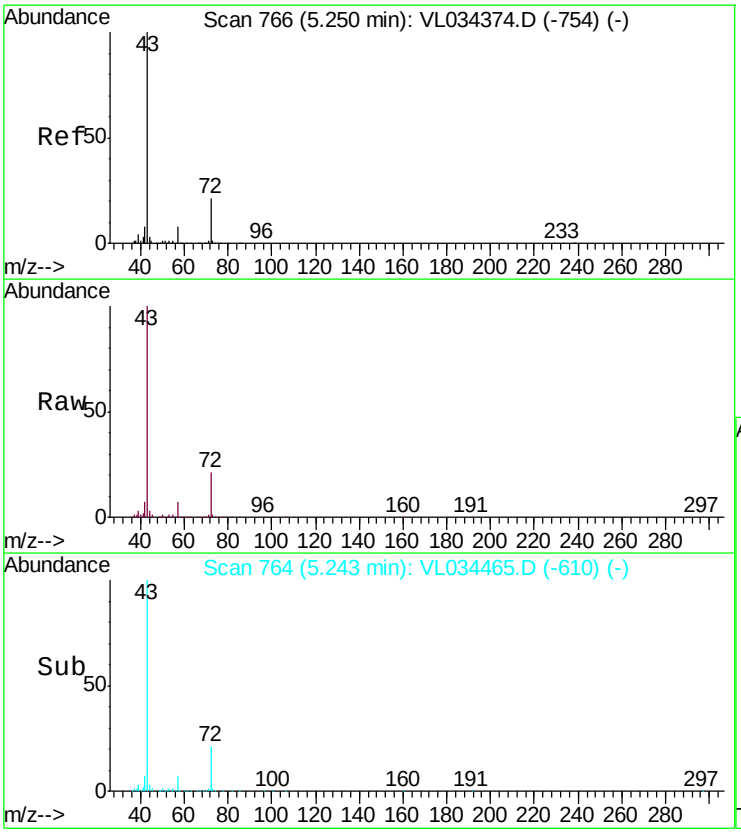
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1373
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion:114 Resp: 1836081

Ion	Ratio	Lower	Upper
114	100		
63	30.0	24.2	36.4
88	19.6	15.9	23.9

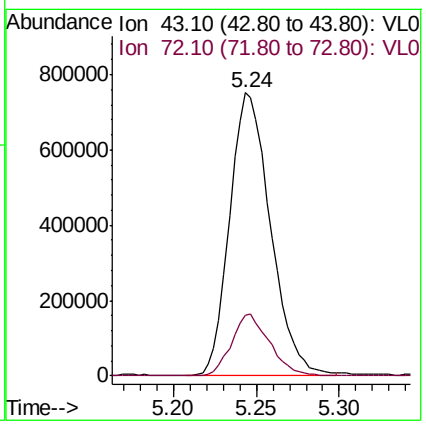


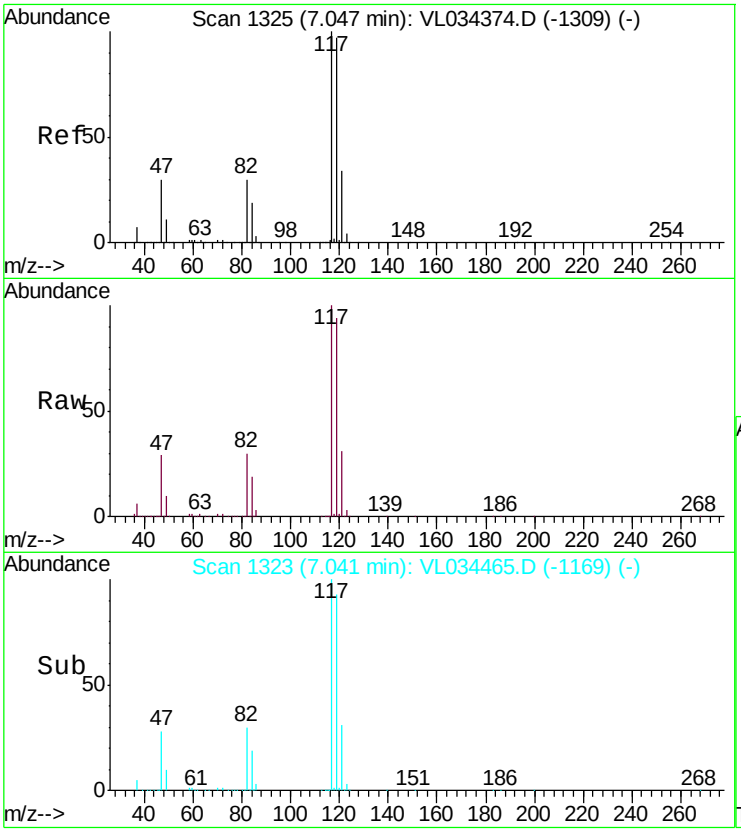


#34
2-Butanone
Concen: 8.476 ppbv
RT: 5.24 min Scan# 764
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 43 Resp: 1281002

Ion	Ratio	Lower	Upper
43	100		
72	20.6	17.0	25.6



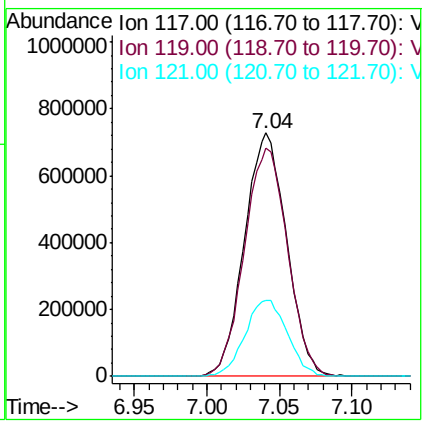


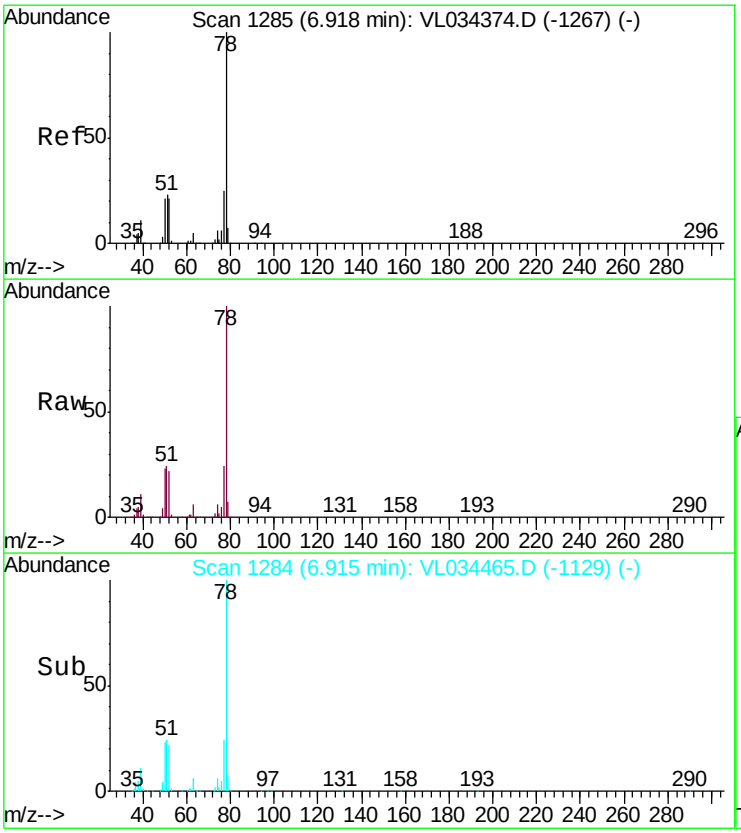
#35
Carbon Tetrachloride
Concen: 9.326 ppbv
RT: 7.04 min Scan# 1323
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion:117 Resp: 1472282

Ion	Ratio	Lower	Upper
117	100		
119	93.7	77.3	115.9
121	31.2	27.4	41.2

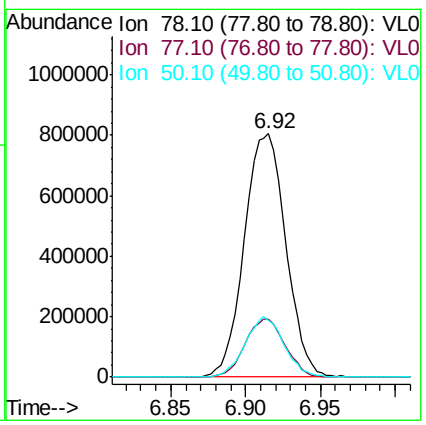


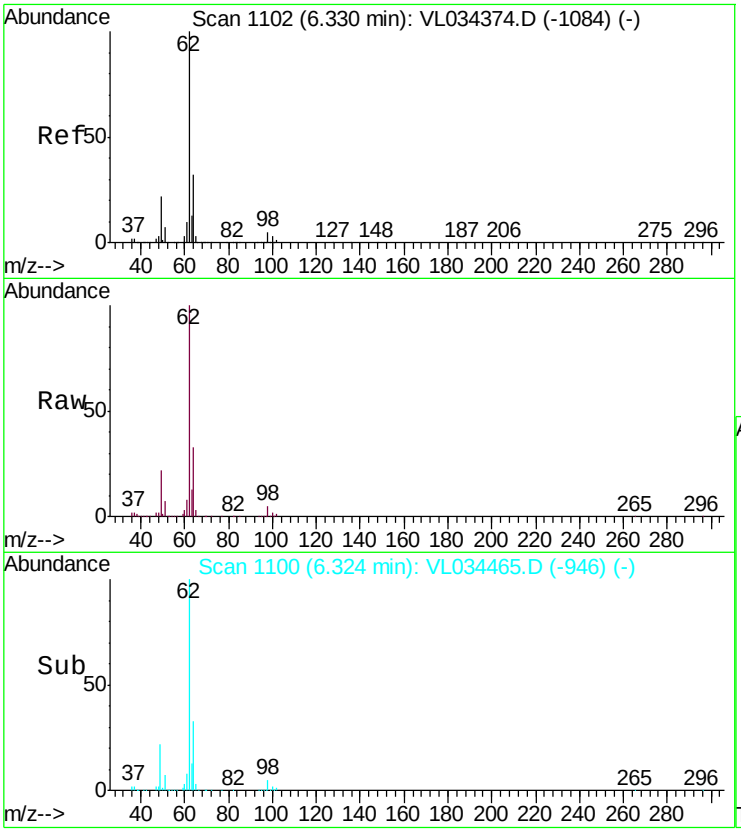


#36
Benzene
Concen: 8.481 ppbv
RT: 6.92 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 78 Resp: 1556600

Ion	Ratio	Lower	Upper
78	100		
77	23.8	20.2	30.4
50	23.2	17.1	25.7



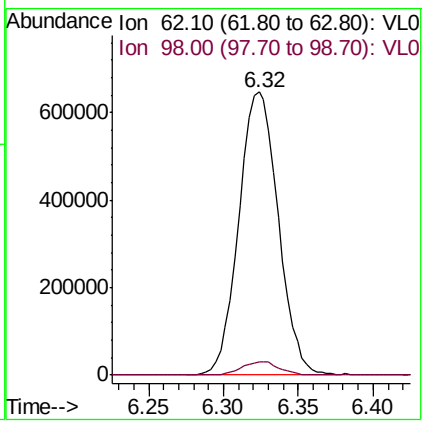


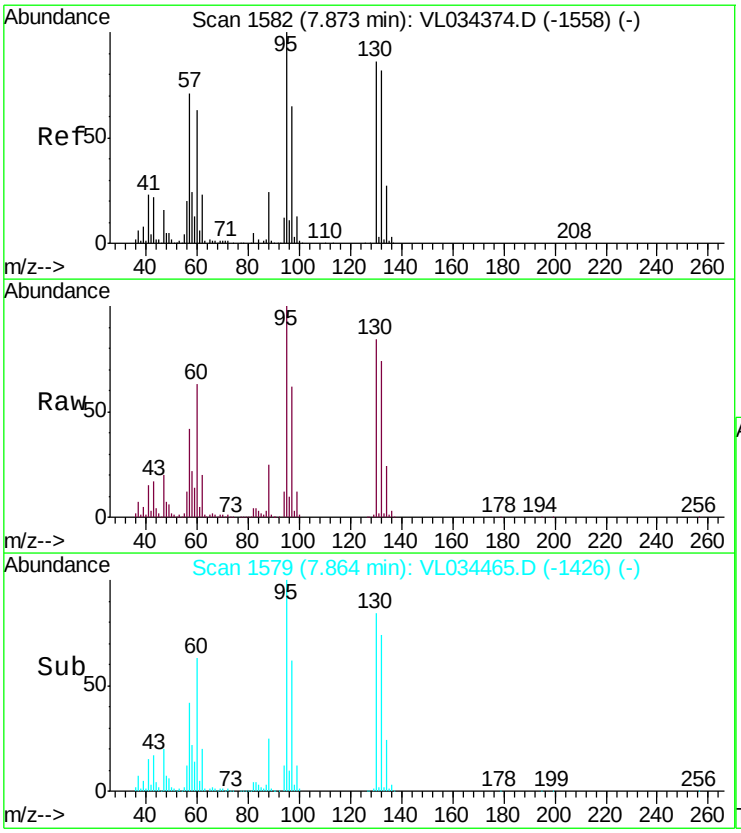
#37
1,2-Dichloroethane
Concen: 8.715 ppbv
RT: 6.32 min Scan# 1100
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument : MSVOA_L
ClientSampleId : VL1209ABS01

Tgt Ion: 62 Resp: 1188296

Ion	Ratio	Lower	Upper
62	100		
98	4.5	3.8	5.8

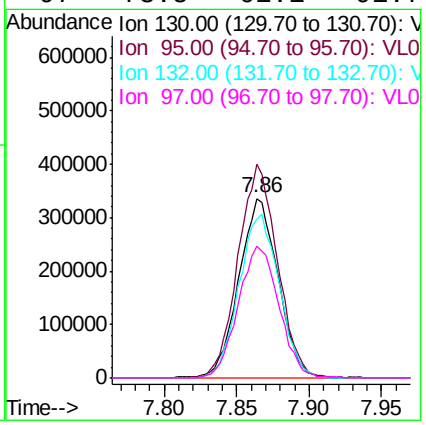


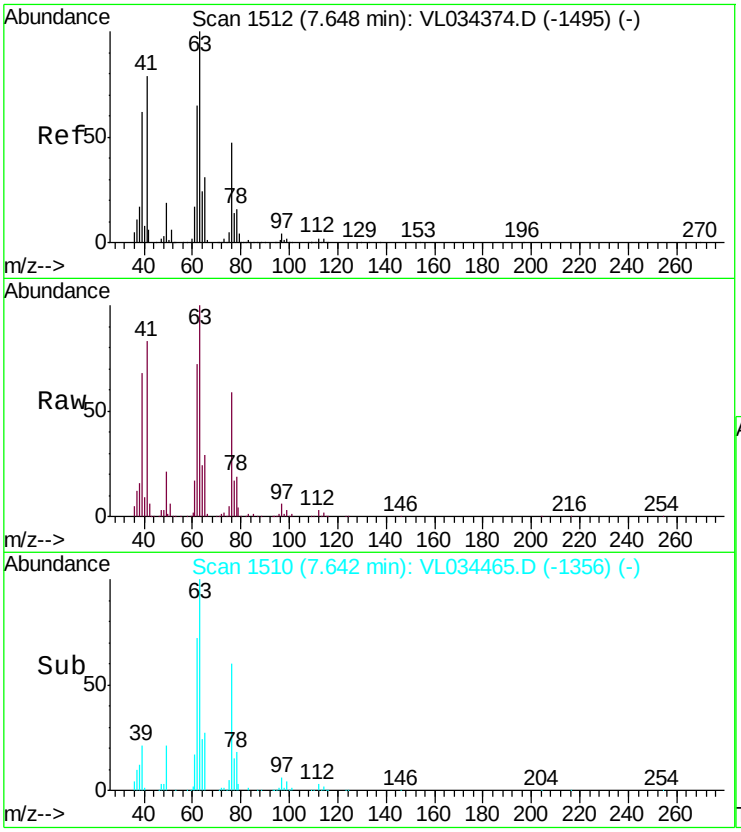


#38
Trichloroethene
Concen: 8.322 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion:130 Resp: 626829

Ion	Ratio	Lower	Upper
130	100		
95	119.2	93.4	140.0
132	88.8	76.4	114.6
97	73.5	61.1	91.7



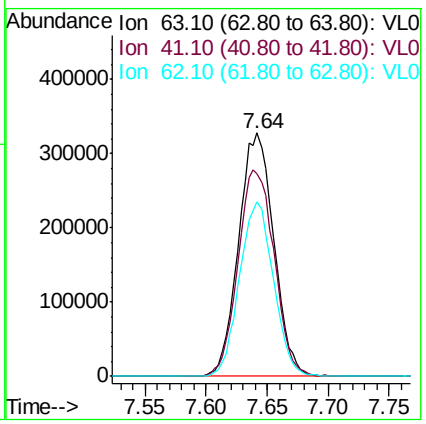


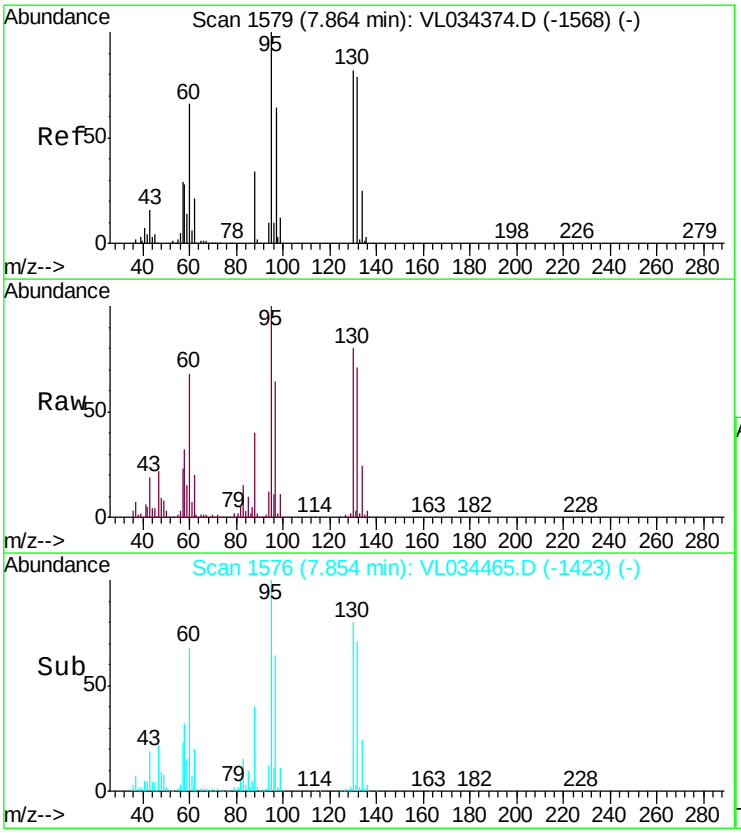
#39
1,2-Dichloropropane
Concen: 9.200 ppbv
RT: 7.64 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 63 Resp: 650524

Ion	Ratio	Lower	Upper
63	100		
41	83.3	63.1	94.7
62	71.6	52.3	78.5

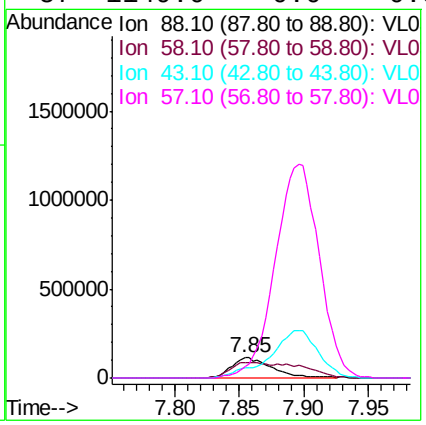


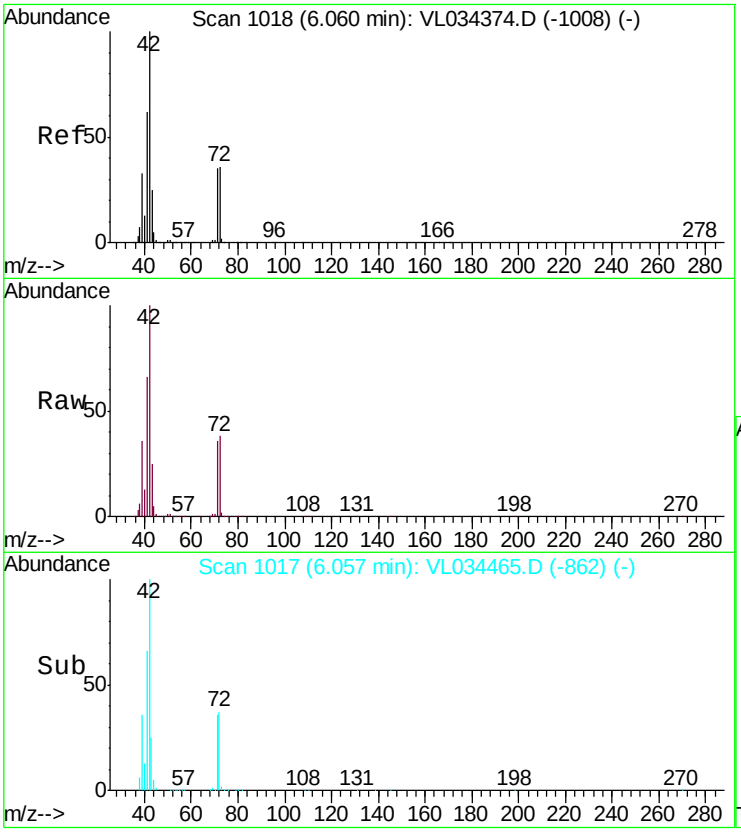


#40
1,4-Dioxane
Concen: 8.069 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 88 Resp: 249241

Ion	Ratio	Lower	Upper
88	100		
58	136.8	109.5	164.3
43	278.0	0.0	0.0#
57	1149.0	0.0	0.0#



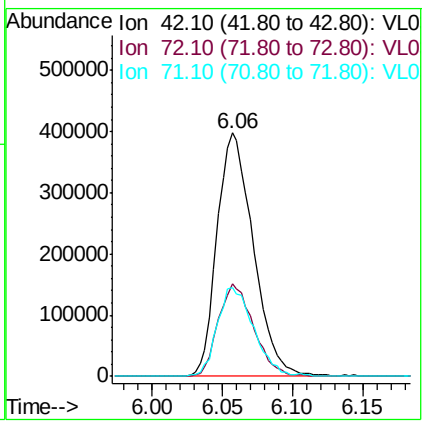


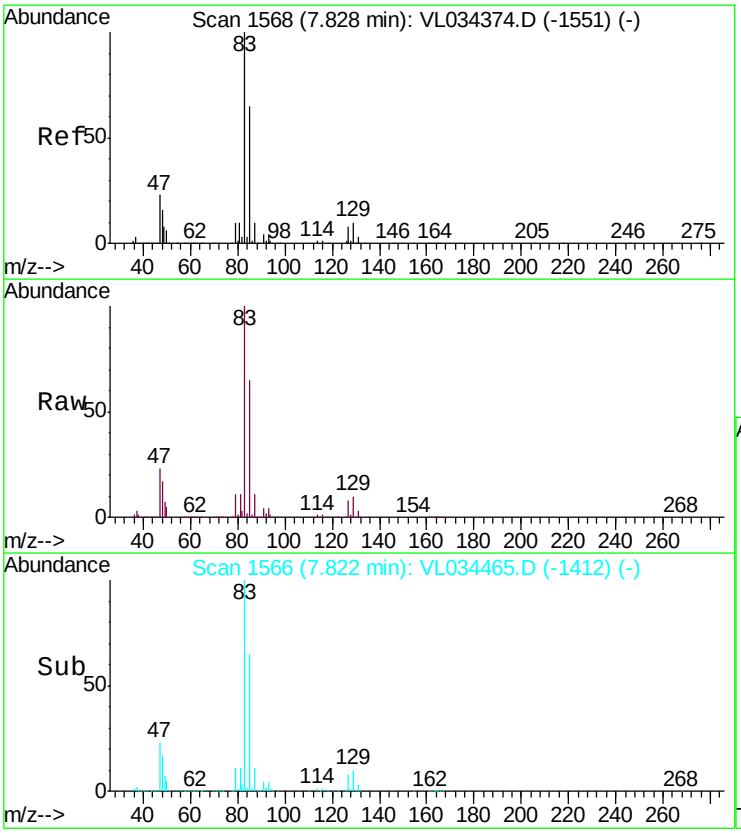
#41
Tetrahydrofuran
Concen: 8.371 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 42 Resp: 709589

Ion	Ratio	Lower	Upper
42	100		
72	37.2	30.2	45.4
71	37.1	29.4	44.2

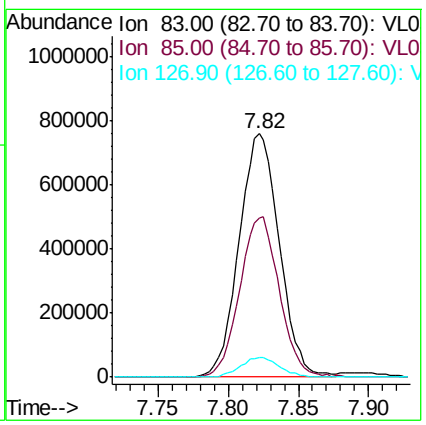


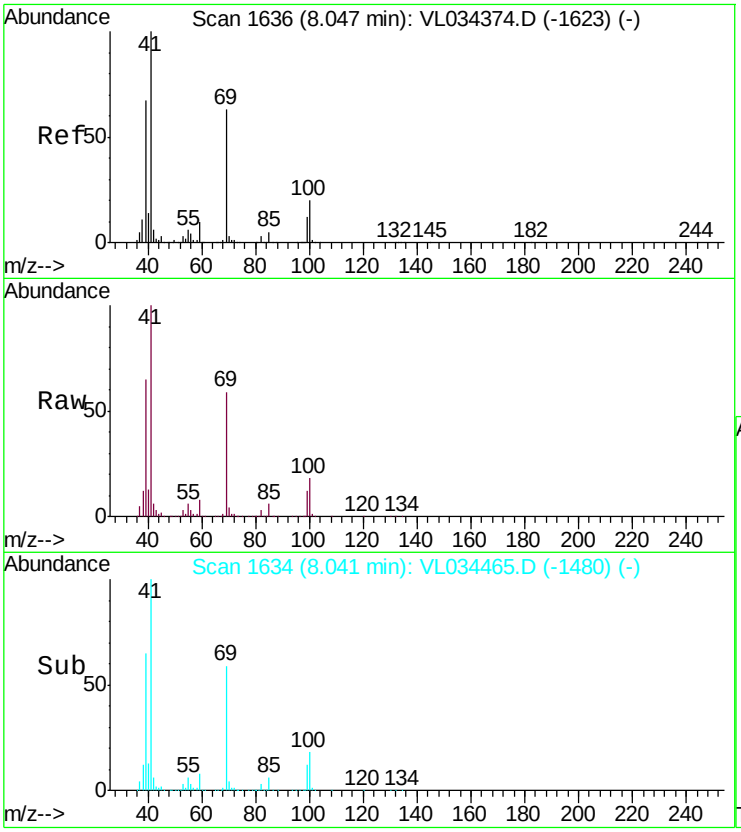


#42
Bromodichloromethane
Concen: 8.884 ppbv
RT: 7.82 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 83 Resp: 1514957

Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.3	78.5
127	8.2	6.1	9.1



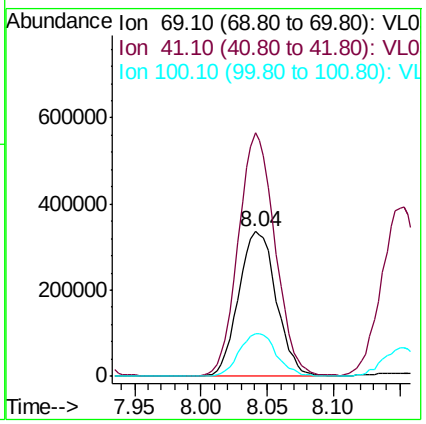


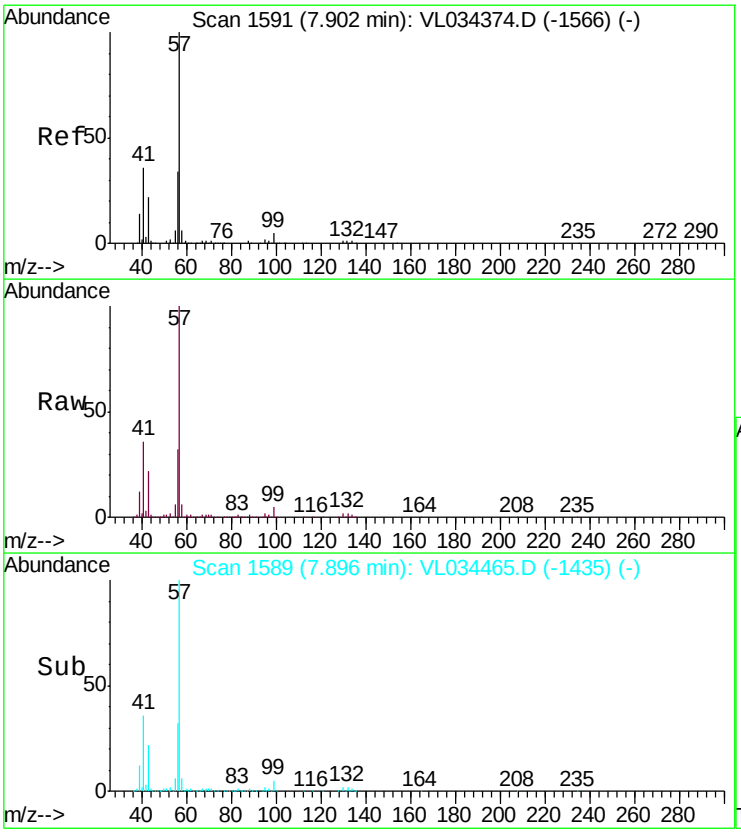
#43
Methyl Methacrylate
Concen: 8.729 ppbv
RT: 8.04 min Scan# 1634
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument : MSVOA_L
ClientSampleId : VL1209ABS01

Tgt Ion: 69 Resp: 664538

Ion	Ratio	Lower	Upper
69	100		
41	163.2	127.4	191.2
100	29.4	24.2	36.4

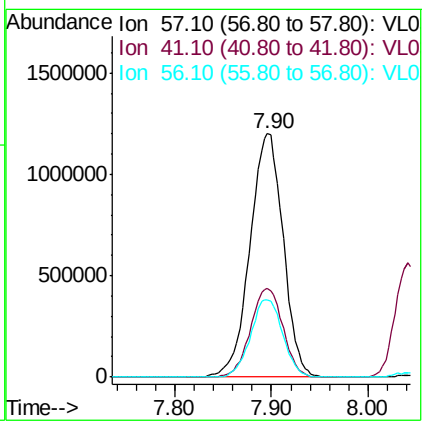


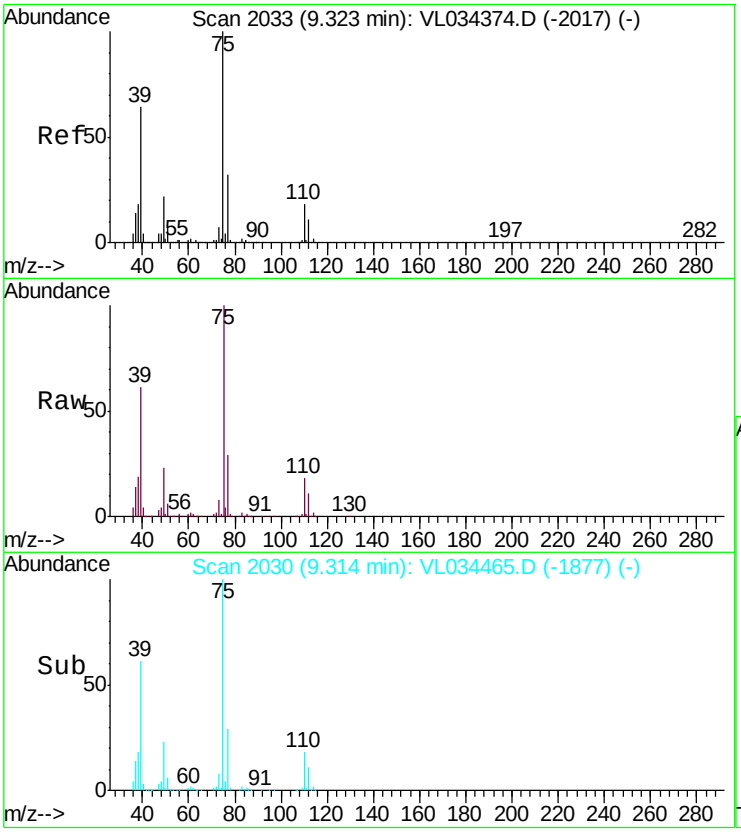


#44
2,2,4-Trimethylpentane
Concen: 8.530 ppbv
RT: 7.90 min Scan# 1589
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 57 Resp: 2861185

Ion	Ratio	Lower	Upper
57	100		
41	35.6	28.6	42.8
56	30.9	25.3	37.9



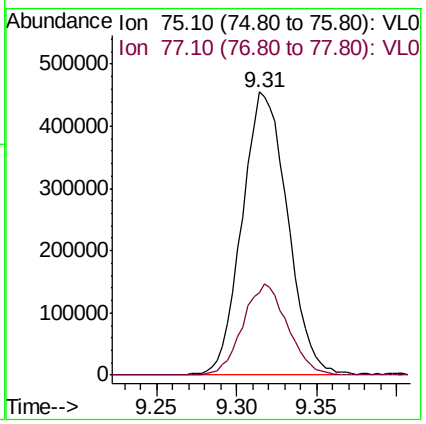


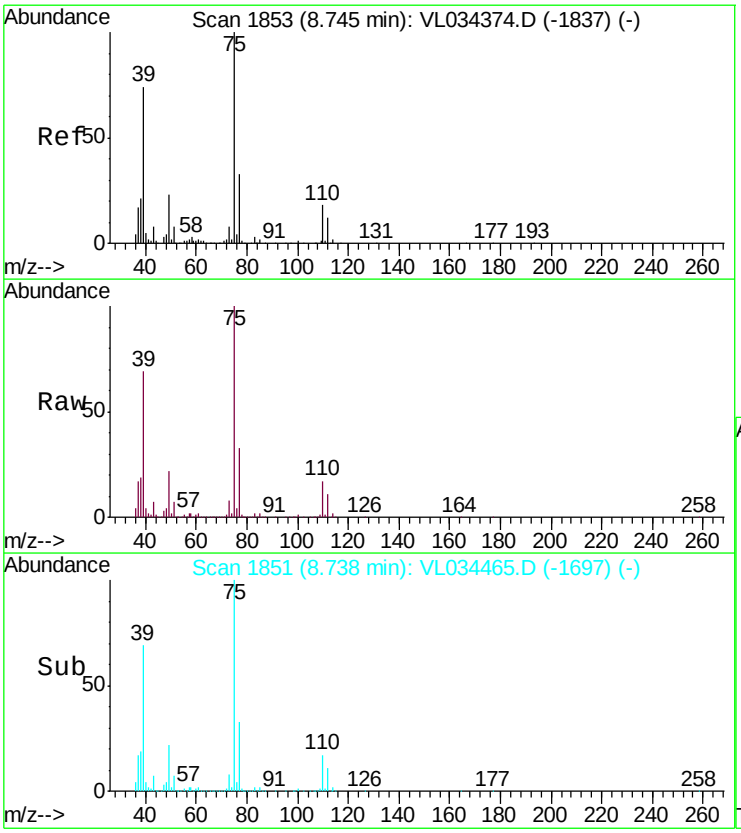
#45
t-1,3-Dichloropropene
Concen: 9.037 ppbv
RT: 9.31 min Scan# 2030
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 75 Resp: 882300

Ion	Ratio	Lower	Upper
75	100		
77	29.2	25.4	38.2

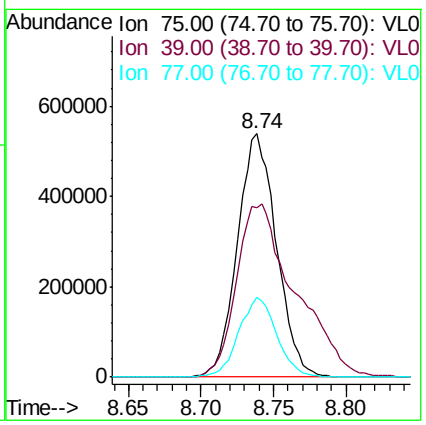


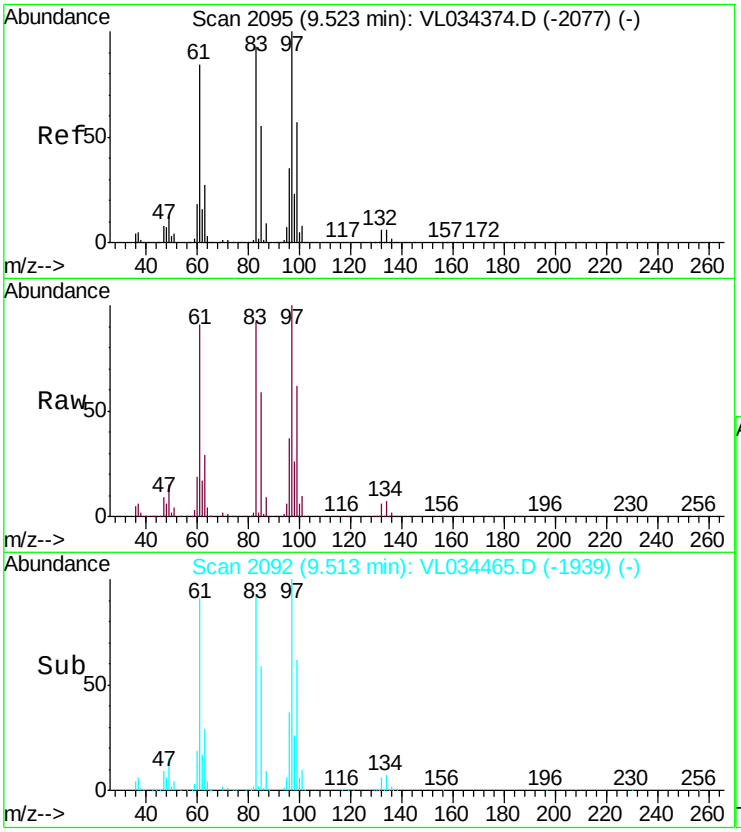


#46
cis-1,3-Dichloropropene
Concen: 9.208 ppbv
RT: 8.74 min Scan# 1851
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 75 Resp: 1009760

Ion	Ratio	Lower	Upper
75	100		
39	69.3	59.0	88.6
77	32.9	26.4	39.6



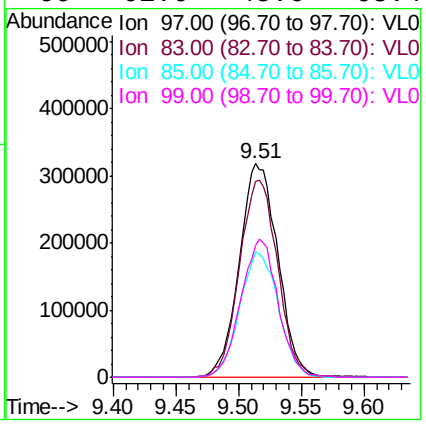


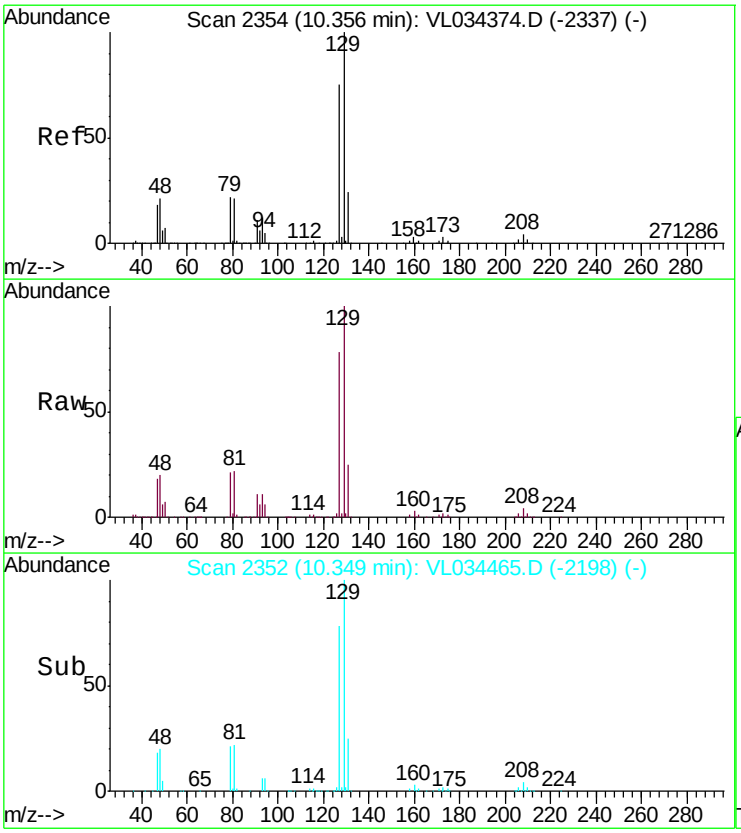
#47
1,1,2-Trichloroethane
Concen: 8.626 ppbv
RT: 9.51 min Scan# 2092
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion: 97 Resp: 678488

Ion	Ratio	Lower	Upper
97	100		
83	91.7	74.6	112.0
85	58.7	43.8	65.8
99	61.6	45.6	68.4

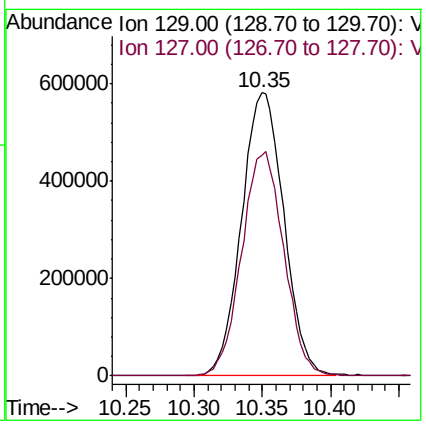


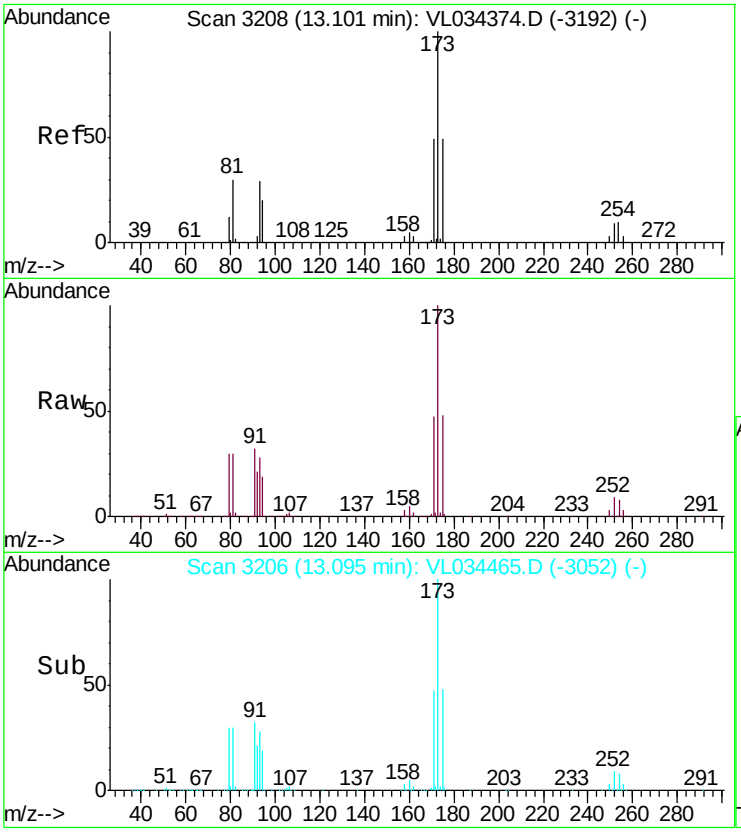


#48
Dibromochloromethane
Concen: 9.278 ppbv
RT: 10.35 min Scan# 2352
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion:129 Resp: 1253011

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.1	117.5



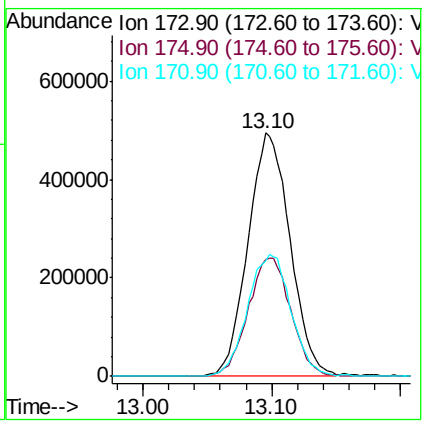


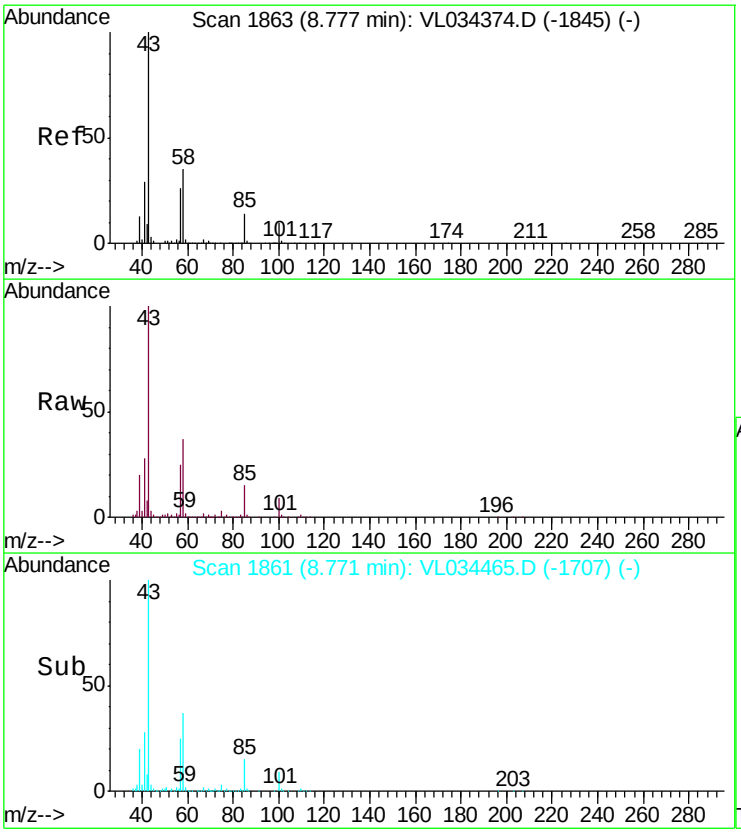
#49
Bromoform
Concen: 9.330 ppbv
RT: 13.10 min Scan# 3206
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion:173 Resp: 1124863

Ion	Ratio	Lower	Upper
173	100		
175	49.5	39.3	58.9
171	51.9	42.4	63.6

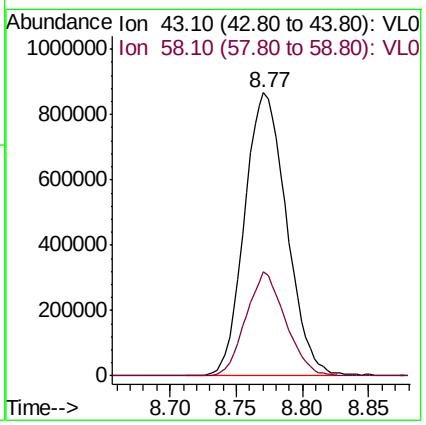


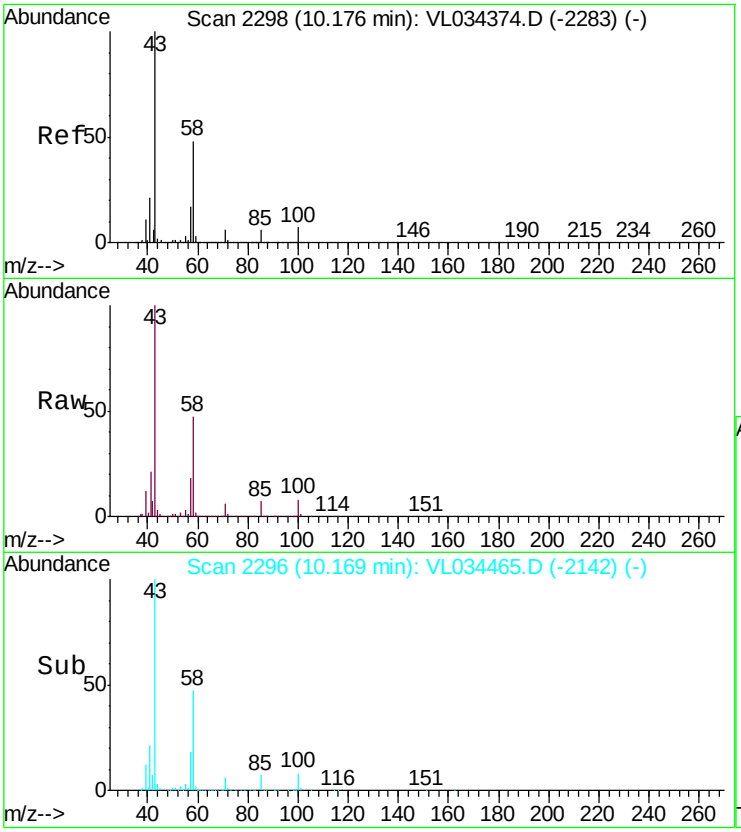


#50
4-Methyl-2-Pentanone
Concen: 8.733 ppbv
RT: 8.77 min Scan# 1861
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 43 Resp: 1909612

Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.9	41.9



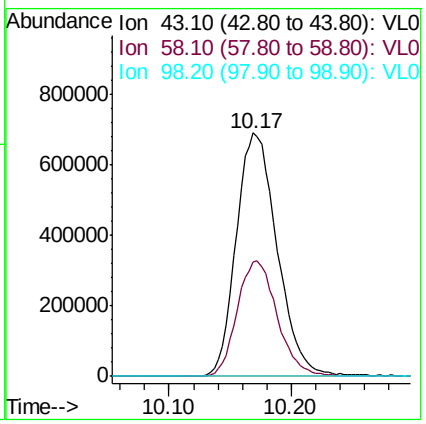


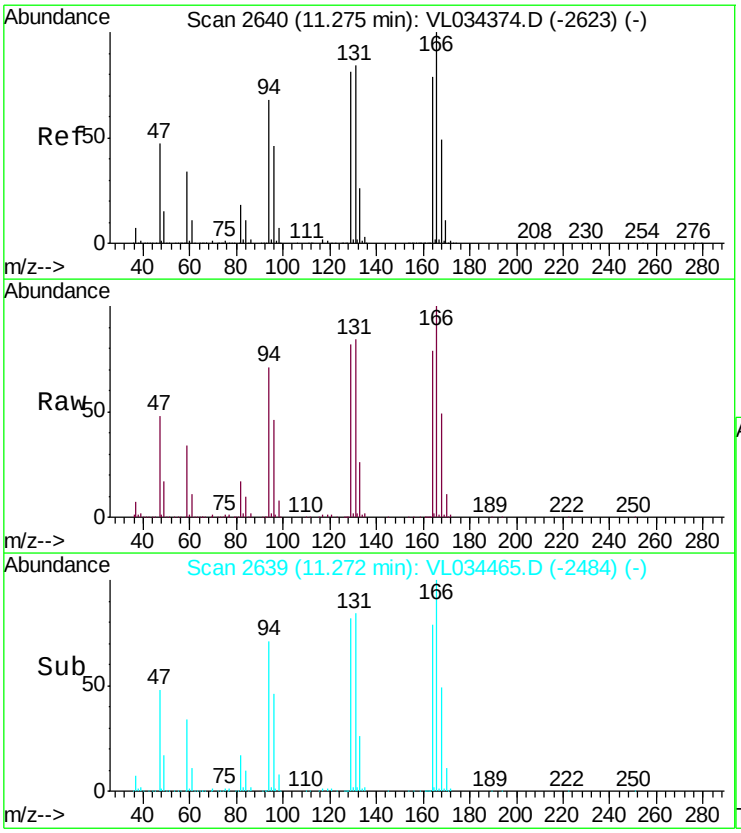
#51
2-Hexanone
Concen: 8.700 ppbv
RT: 10.17 min Scan# 2296
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument : MSVOA_L
ClientSampleId : VL1209ABS01

Tgt Ion: 43 Resp: 1593504

Ion	Ratio	Lower	Upper
43	100		
58	46.5	38.2	57.4
98	0.2	0.2	0.2

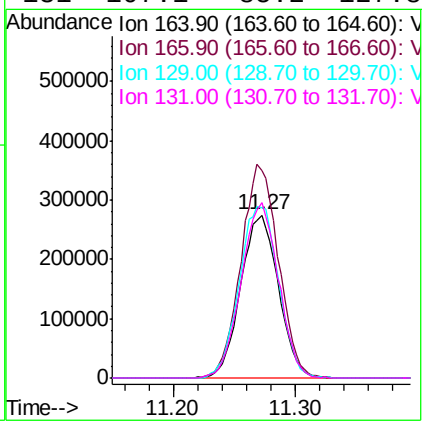


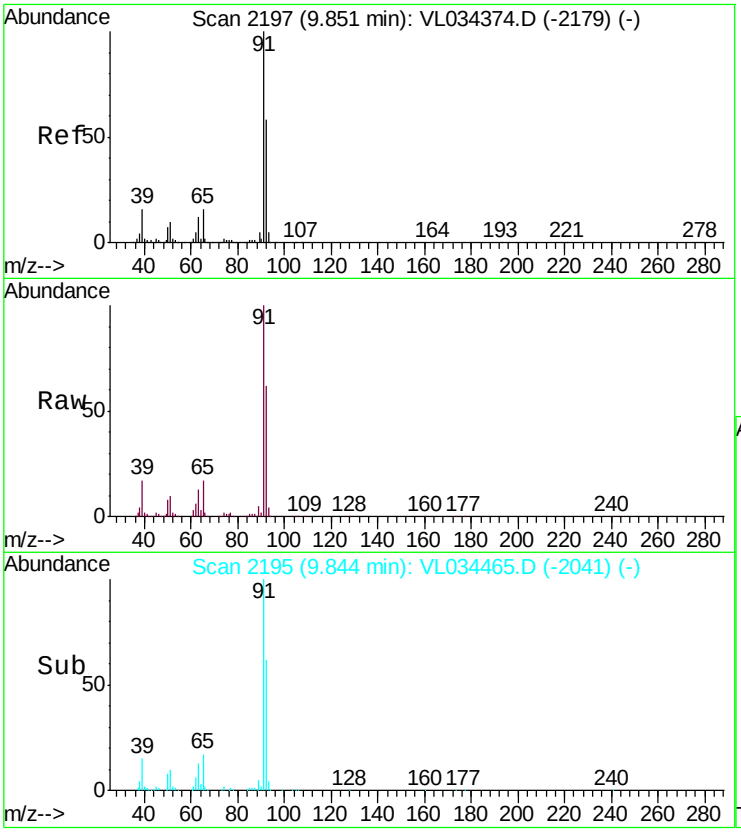


#52
Tetrachloroethene
Concen: 7.368 ppbv
RT: 11.27 min Scan# 2639
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion:164 Resp: 585139

Ion	Ratio	Lower	Upper
164	100		
166	126.9	101.7	152.5
129	103.9	82.6	123.8
131	107.1	85.2	127.8



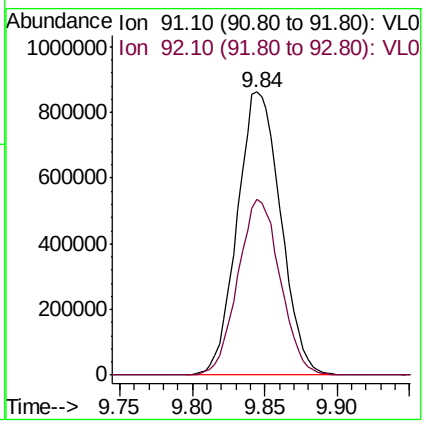


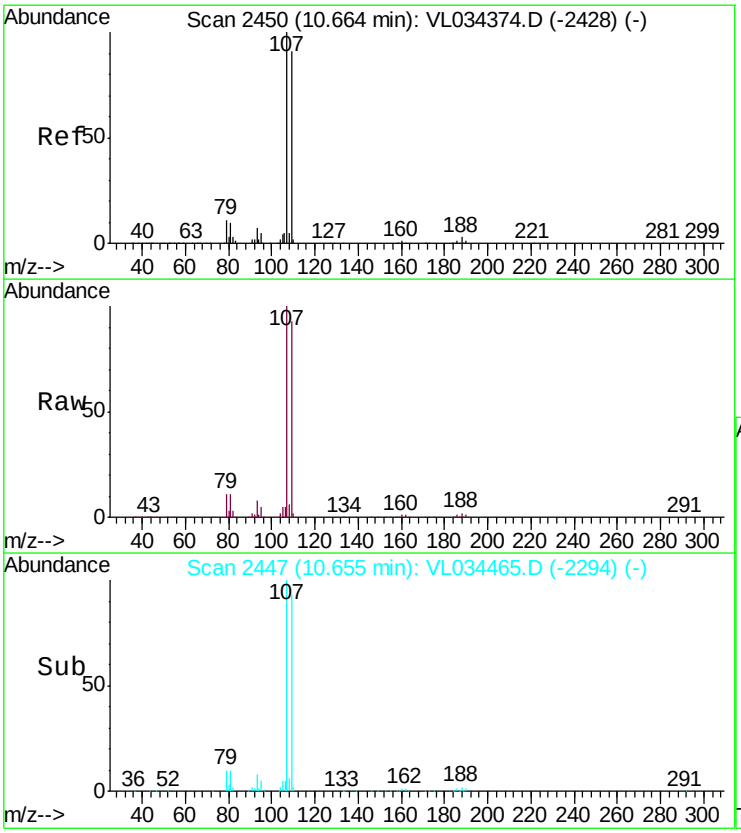
#53
Toluene
Concen: 8.621 ppbv
RT: 9.84 min Scan# 2195
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument : MSVOA_L
ClientSampleId : VL1209ABS01

Tgt Ion: 91 Resp: 1797278

Ion	Ratio	Lower	Upper
91	100		
92	60.6	47.9	71.9

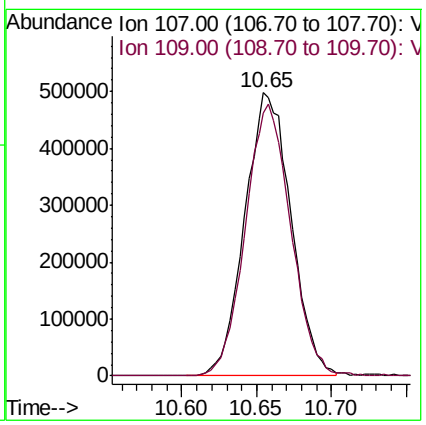


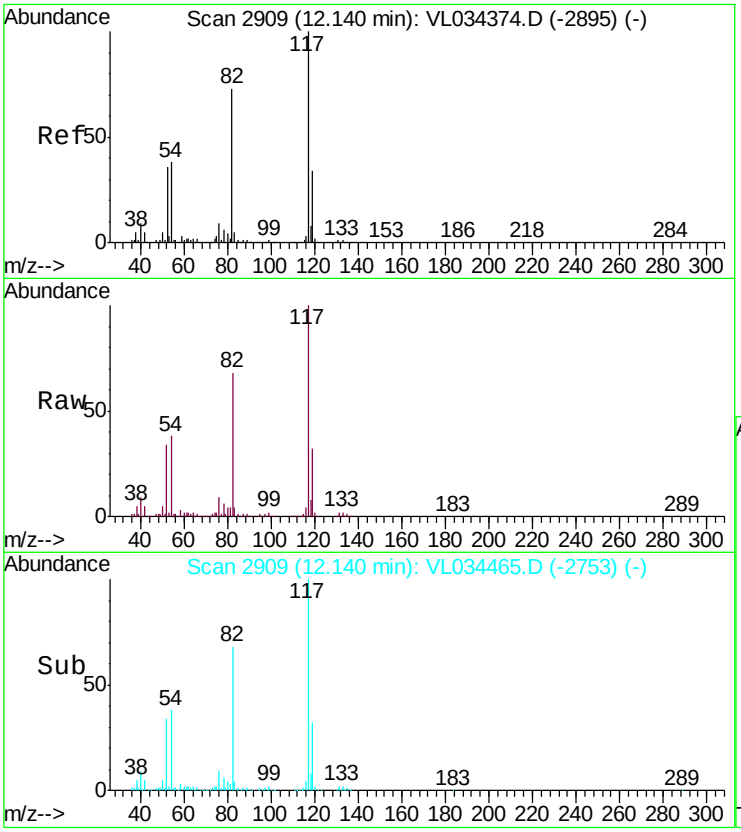


#54
1,2-Dibromoethane
Concen: 8.859 ppbv
RT: 10.65 min Scan# 2447
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion:107 Resp: 1068382

Ion	Ratio	Lower	Upper
107	100		
109	92.7	73.0	109.4



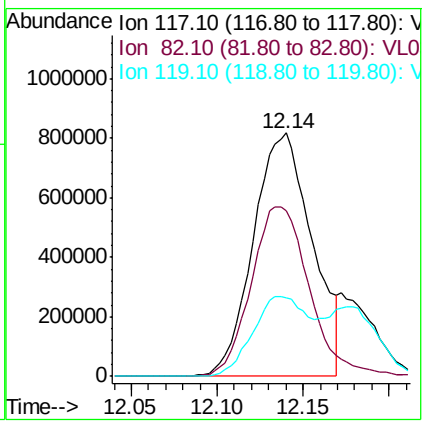


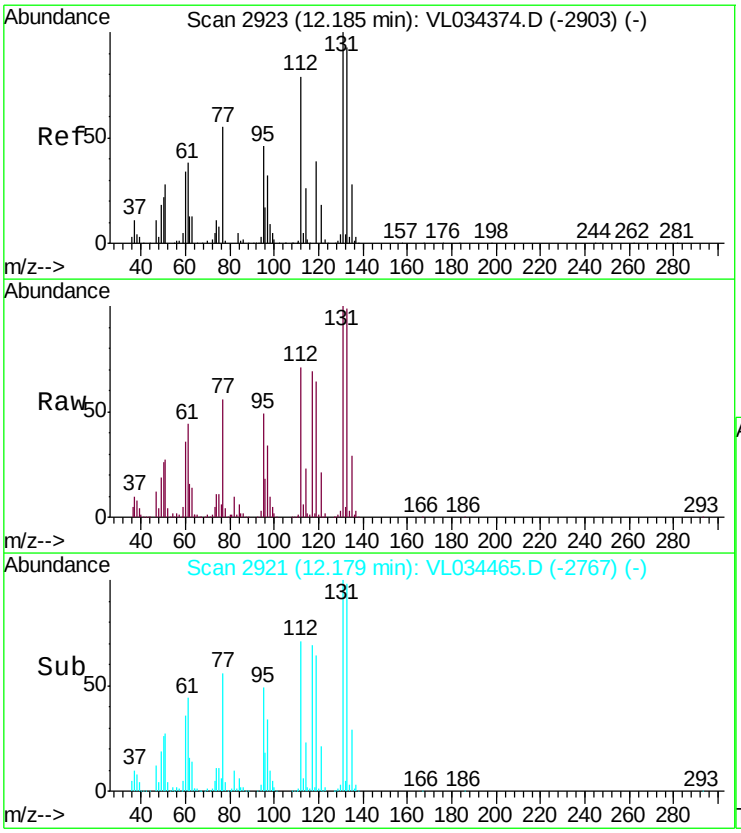
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion:117 Resp: 1942566

Ion	Ratio	Lower	Upper
117	100		
82	69.3	57.5	86.3
119	30.3	25.4	38.2

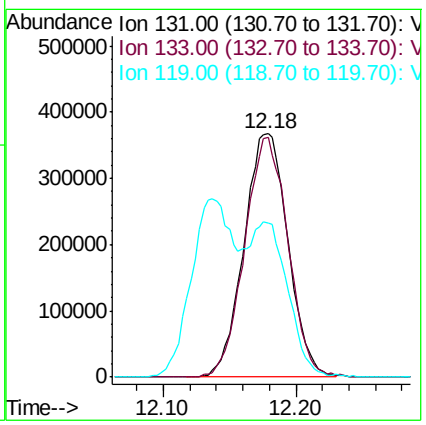


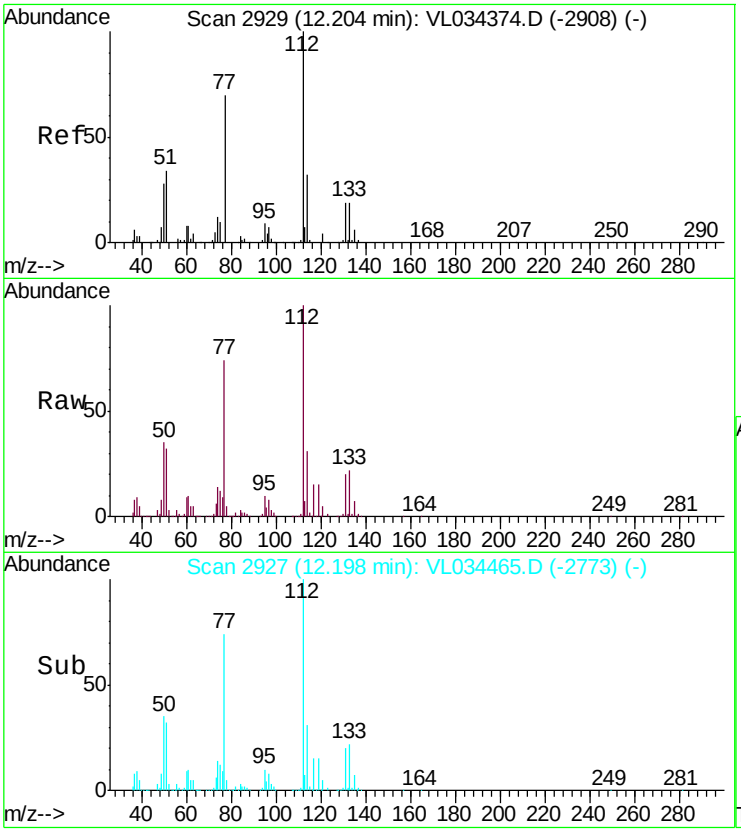


#56
1,1,1,2-Tetrachloroethane
Concen: 8.927 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion:131 Resp: 848254

Ion	Ratio	Lower	Upper
131	100		
133	97.1	76.2	114.2
119	61.4	44.6	67.0



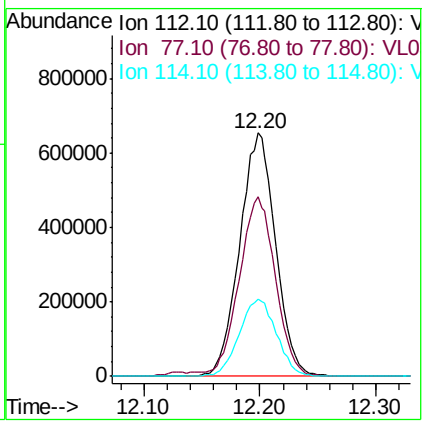


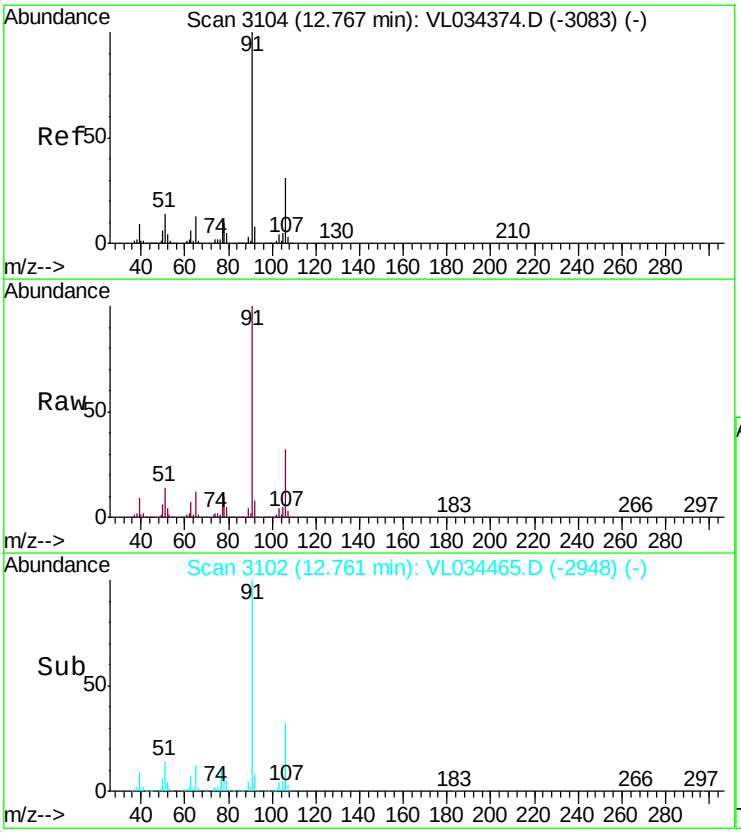
#57
Chlorobenzene
Concen: 8.008 ppbv
RT: 12.20 min Scan# 2927
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument : MSVOA_L
ClientSampleId : VL1209ABS01

Tgt Ion:112 Resp: 1406264

Ion	Ratio	Lower	Upper
112	100		
77	73.3	57.1	85.7
114	31.4	28.5	34.9

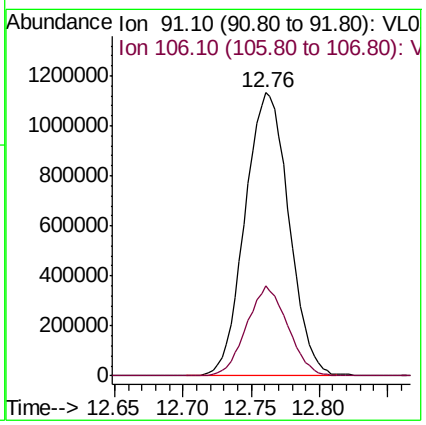


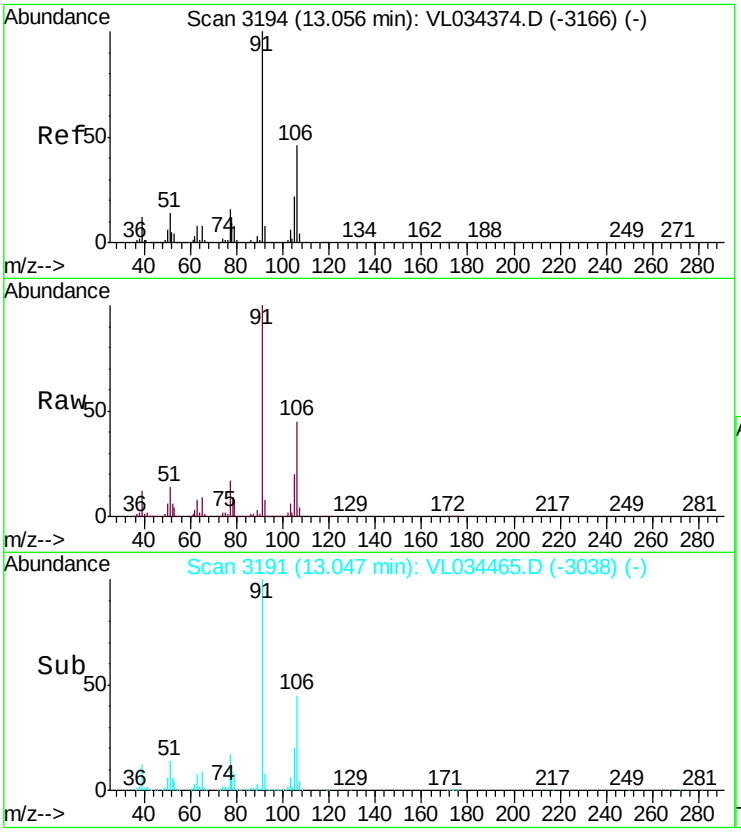


#58
Ethyl Benzene
Concen: 8.413 ppbv
RT: 12.76 min Scan# 3102
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 91 Resp: 2536071

Ion	Ratio	Lower	Upper
91	100		
106	31.8	24.8	37.2



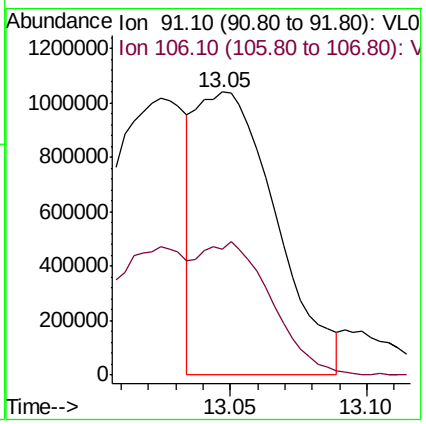


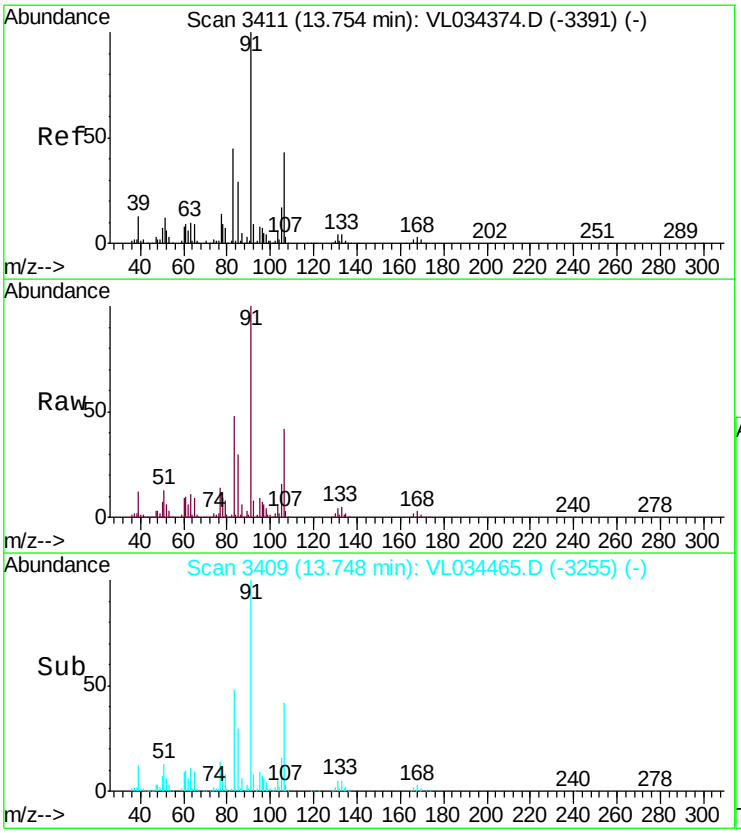
#59
m/p-Xylene
Concen: 8.125 ppbv
RT: 13.05 min Scan# 3191
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument : MSVOA_L
ClientSampleId : VL1209ABS01

Tgt Ion: 91 Resp: 2117207

Ion	Ratio	Lower	Upper
91	100		
106	88.3	34.6	51.8#

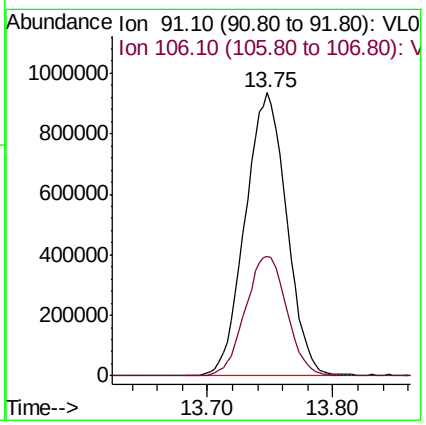


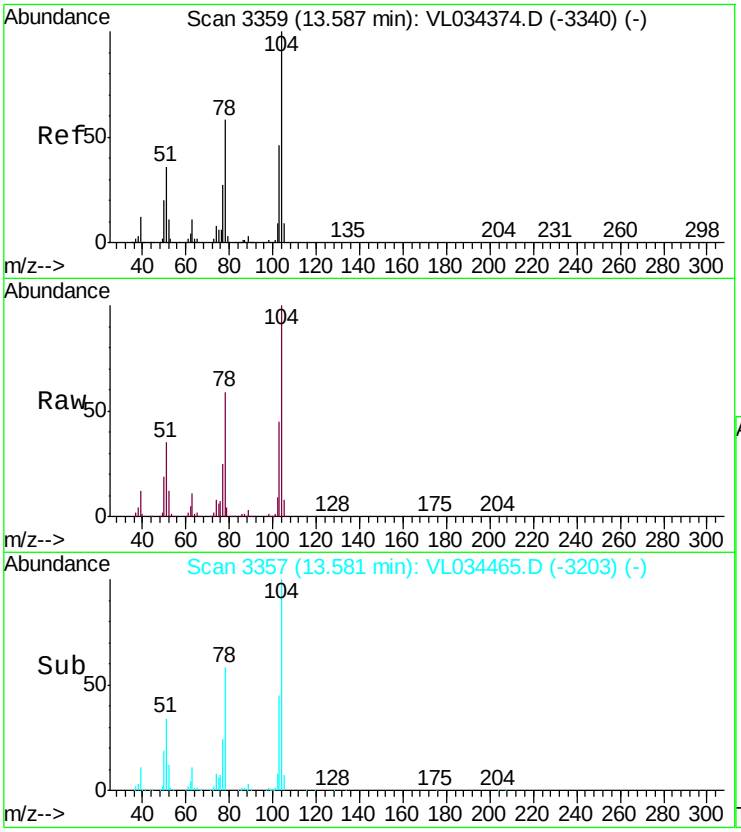


#60
o-Xylene
Concen: 8.350 ppbv
RT: 13.75 min Scan# 3409
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 91 Resp: 2151401

Ion	Ratio	Lower	Upper
91	100		
106	42.5	21.3	64.0



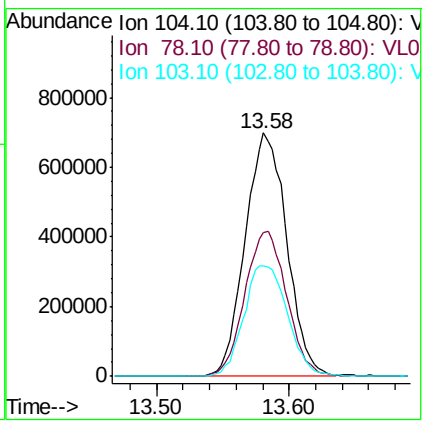


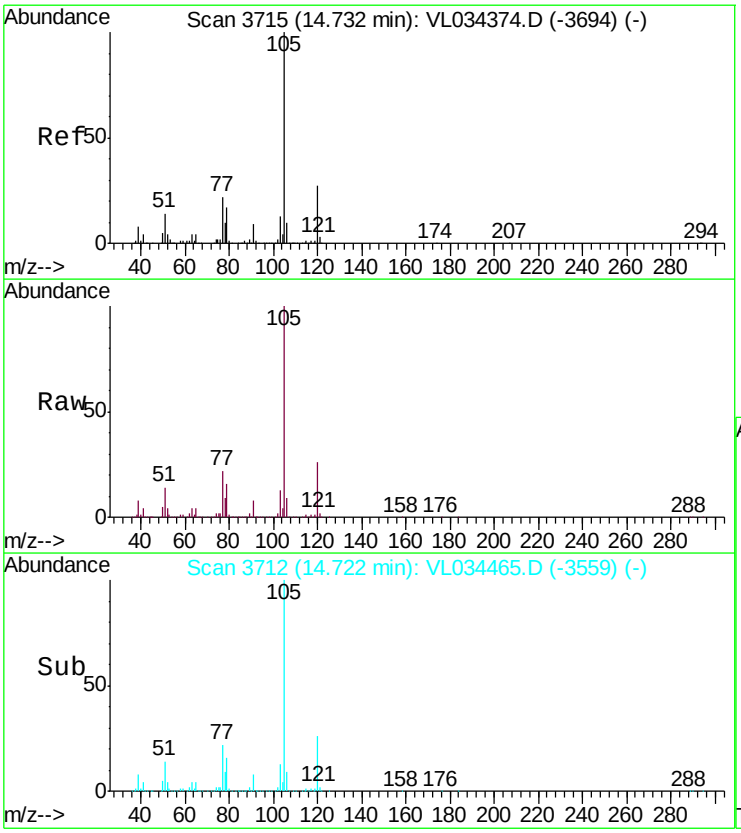
#61
Styrene
Concen: 8.220 ppbv
RT: 13.58 min Scan# 3357
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument : MSVOA_L
ClientSampleId : VL1209ABS01

Tgt Ion:104 Resp: 1527349

Ion	Ratio	Lower	Upper
104	100		
78	60.1	47.6	71.4
103	47.9	38.6	57.8

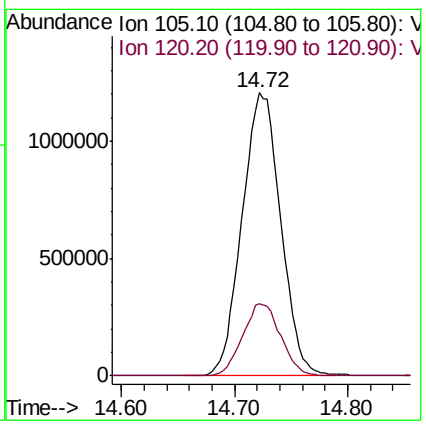


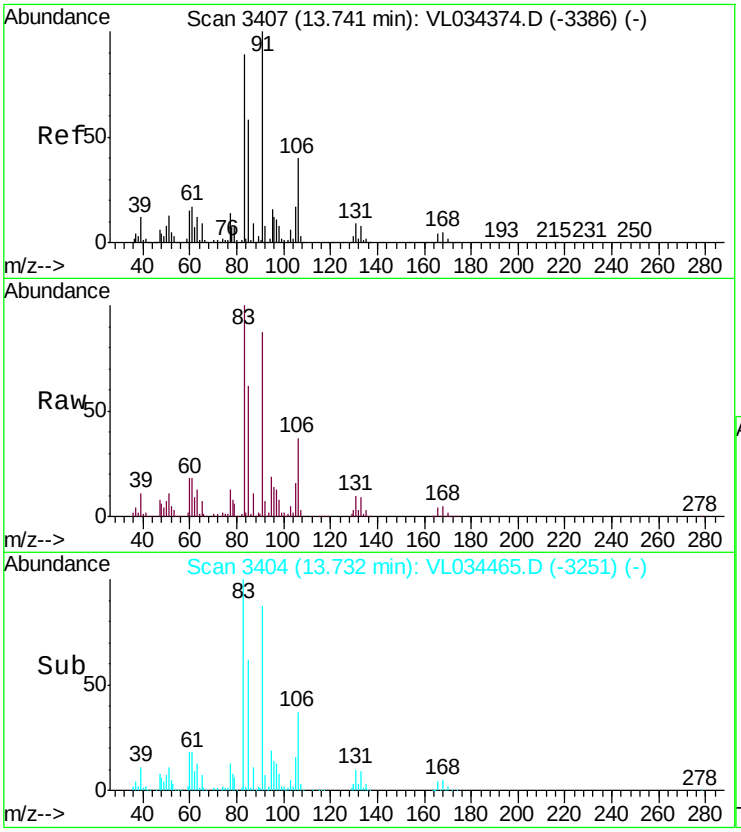


#62
Isopropylbenzene
Concen: 8.411 ppbv
RT: 14.72 min Scan# 3712
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion:105 Resp: 2866182

Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.2	30.4



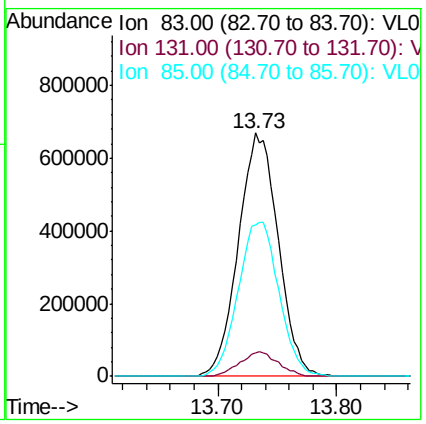


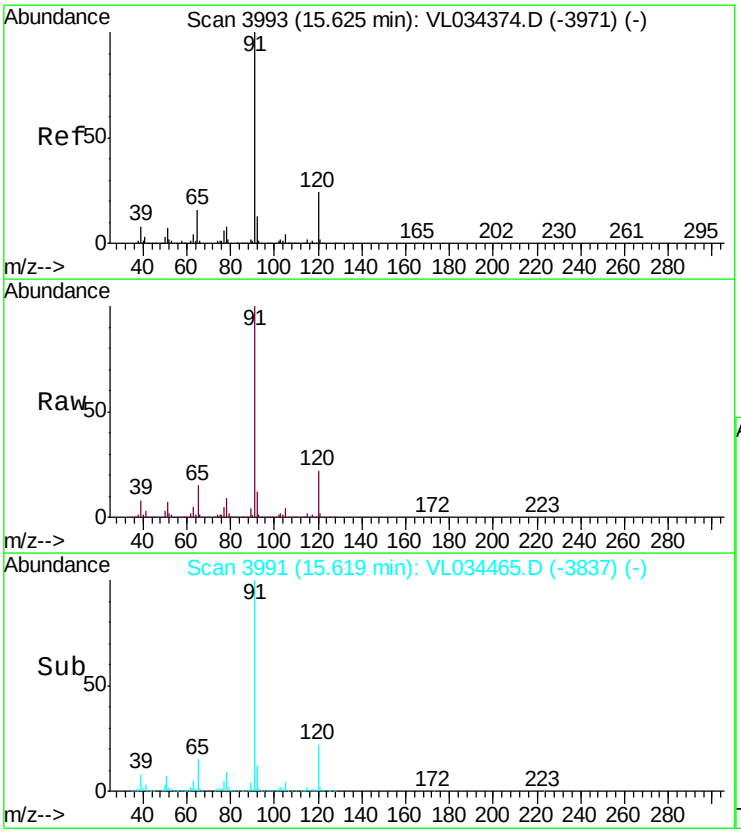
#63
1,1,2,2-Tetrachloroethane
Concen: 7.995 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument : MSVOA_L
ClientSampleId : VL1209ABS01

Tgt Ion: 83 Resp: 1548442

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.9	14.7
85	64.9	32.6	97.8

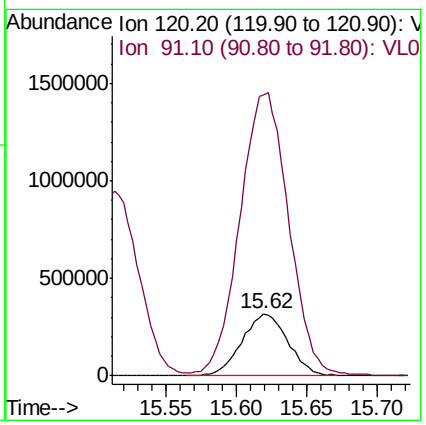


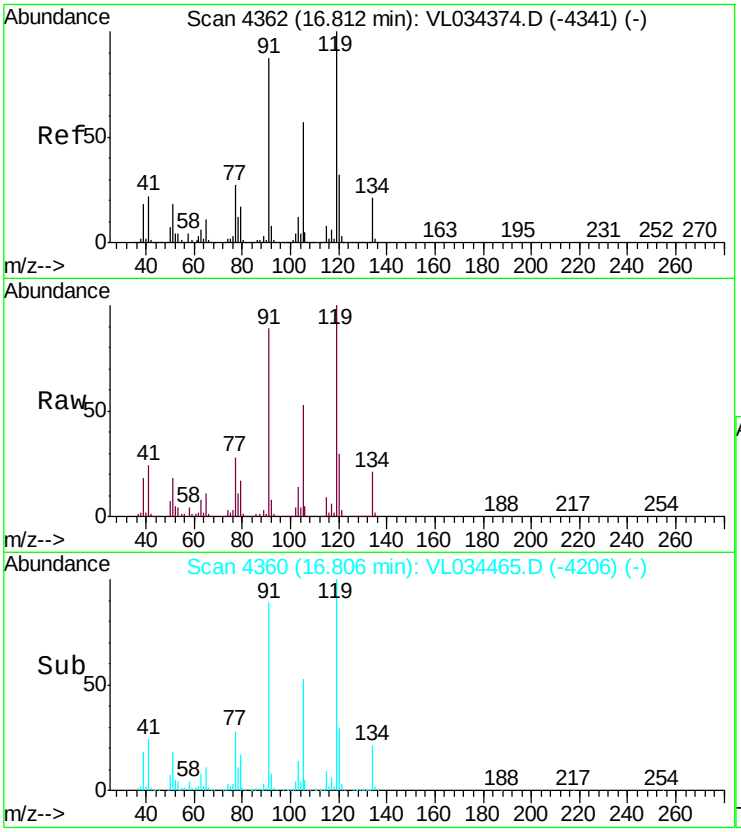


#64
n-propylbenzene
Concen: 8.218 ppbv
RT: 15.62 min Scan# 3991
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion:120 Resp: 727258

Ion	Ratio	Lower	Upper
120	100		
91	486.6	370.9	556.3



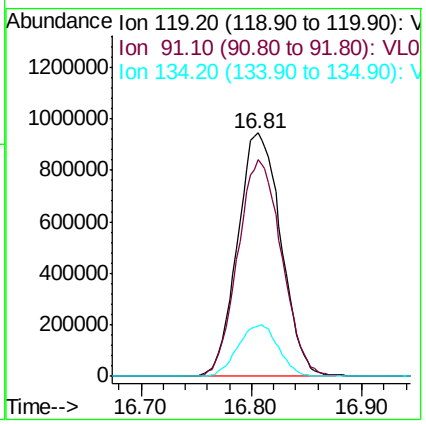


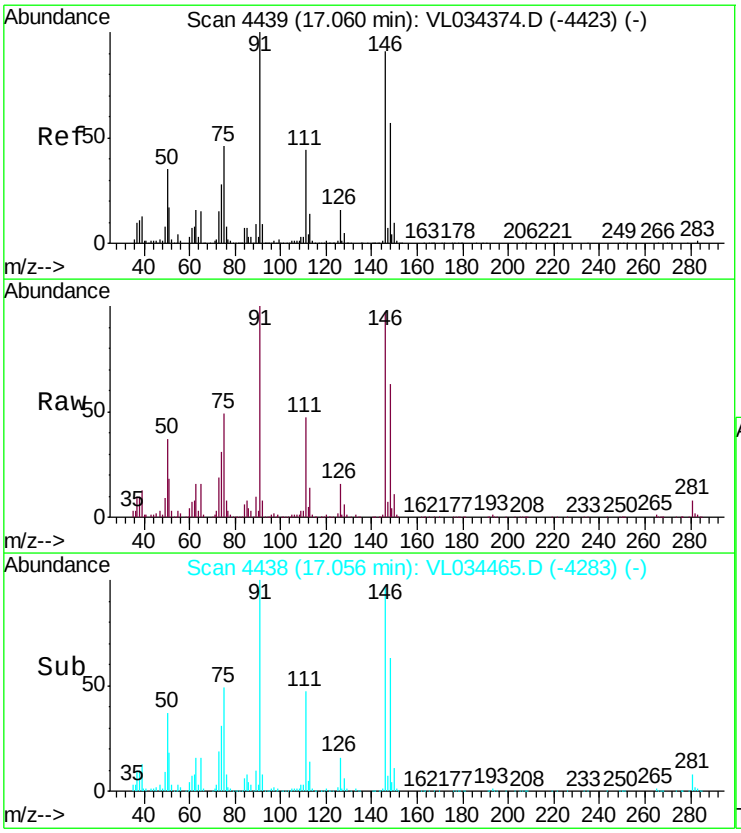
#65
tert-Butylbenzene
Concen: 8.399 ppbv
RT: 16.81 min Scan# 4360
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument : MSVOA_L
ClientSampleId : VL1209ABS01

Tgt Ion:119 Resp: 2570718

Ion	Ratio	Lower	Upper
119	100		
91	90.3	71.6	107.4
134	19.9	15.9	23.9

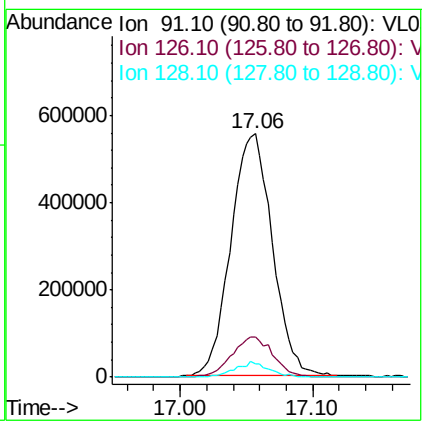


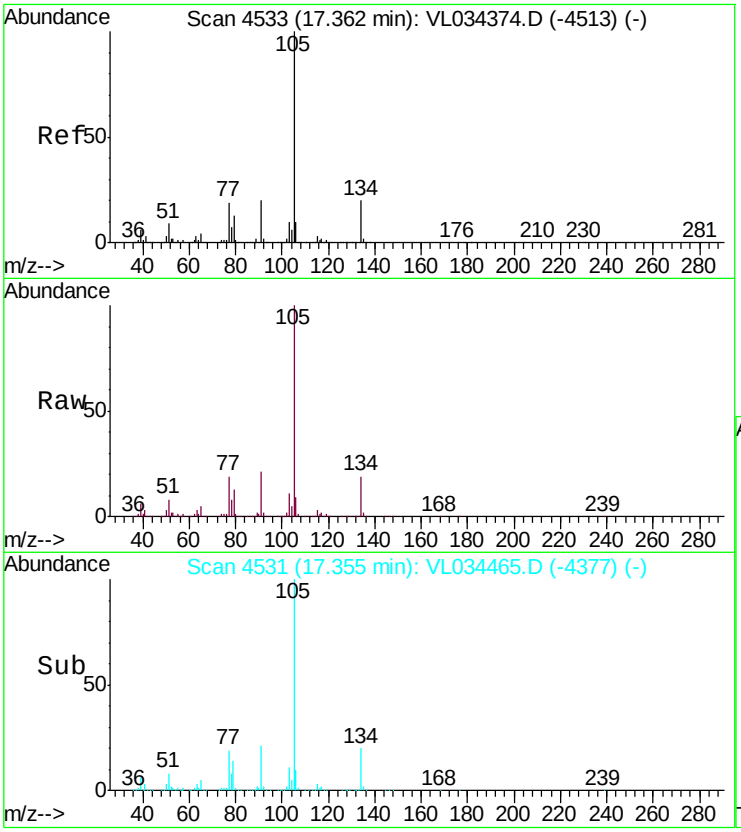


#66
Benzyl Chloride
Concen: 10.247 ppbv
RT: 17.06 min Scan# 4438
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 91 Resp: 1206550

Ion	Ratio	Lower	Upper
91	100		
126	16.5	12.9	19.3
128	5.2	4.3	6.5



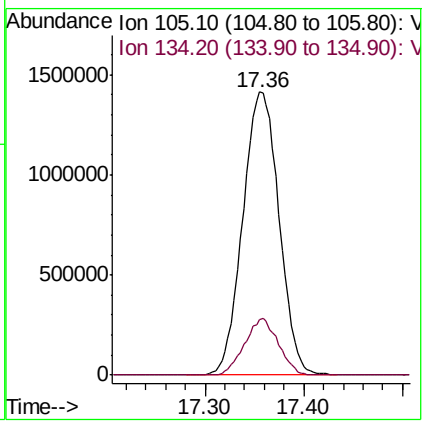


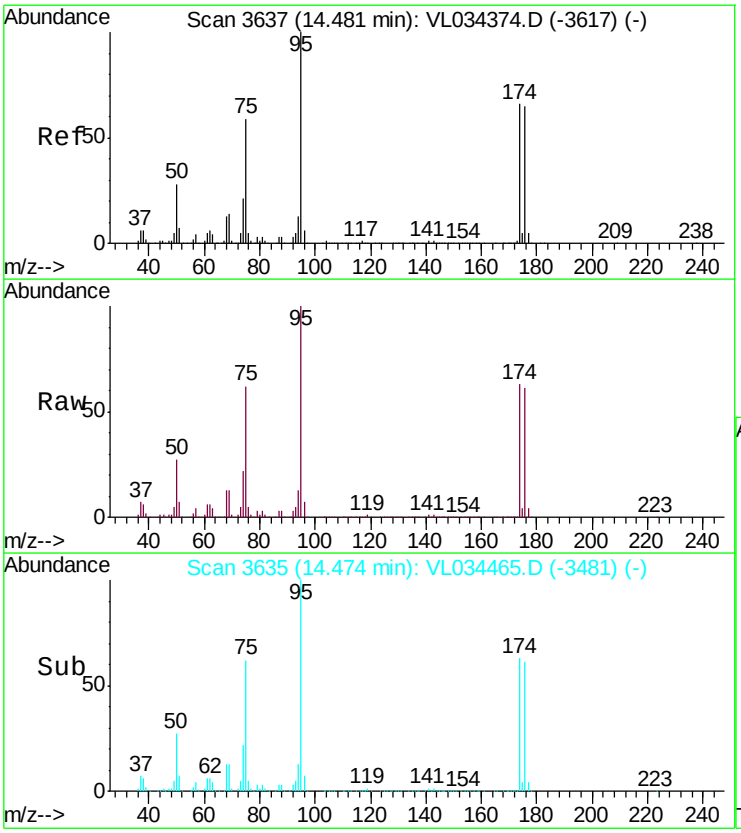
#67
sec-Butylbenzene
Concen: 8.362 ppbv
RT: 17.36 min Scan# 4531
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion:105 Resp: 3580284

Ion	Ratio	Lower	Upper
105	100		
134	18.7	15.0	22.6

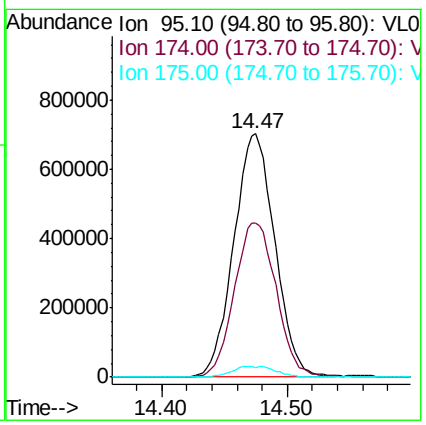


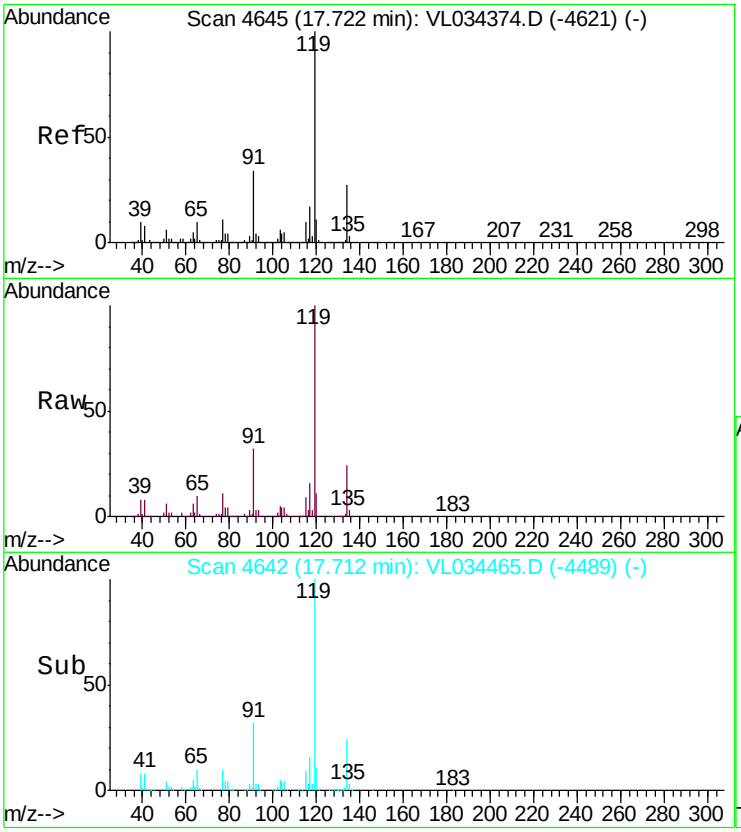


#68
1-Bromo-4-Fluorobenzene
Concen: 9.756 ppbv
RT: 14.47 min Scan# 3635
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 95 Resp: 1594409

Ion	Ratio	Lower	Upper
95	100		
174	65.2	52.2	78.2
175	4.7	3.8	5.8



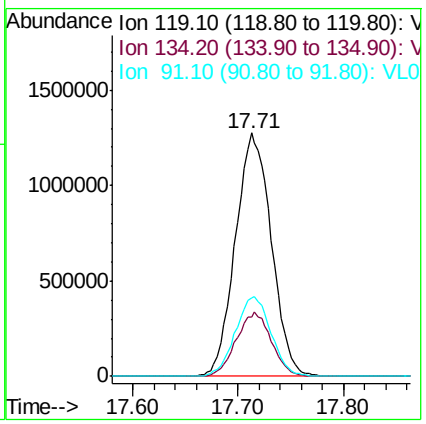


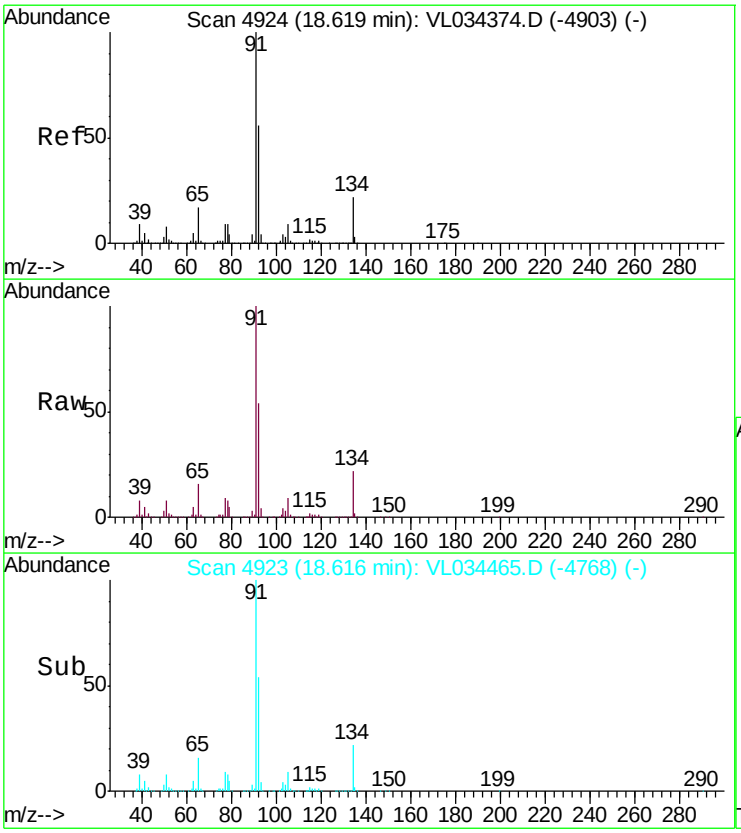
#69
p-Isopropyltoluene
Concen: 8.501 ppbv
RT: 17.71 min Scan# 4642
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion:119 Resp: 3020643

Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.6	31.0
91	32.4	26.3	39.5

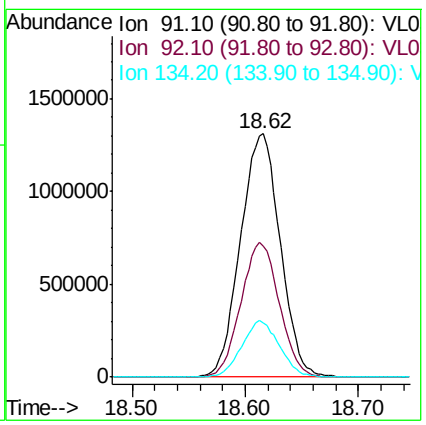


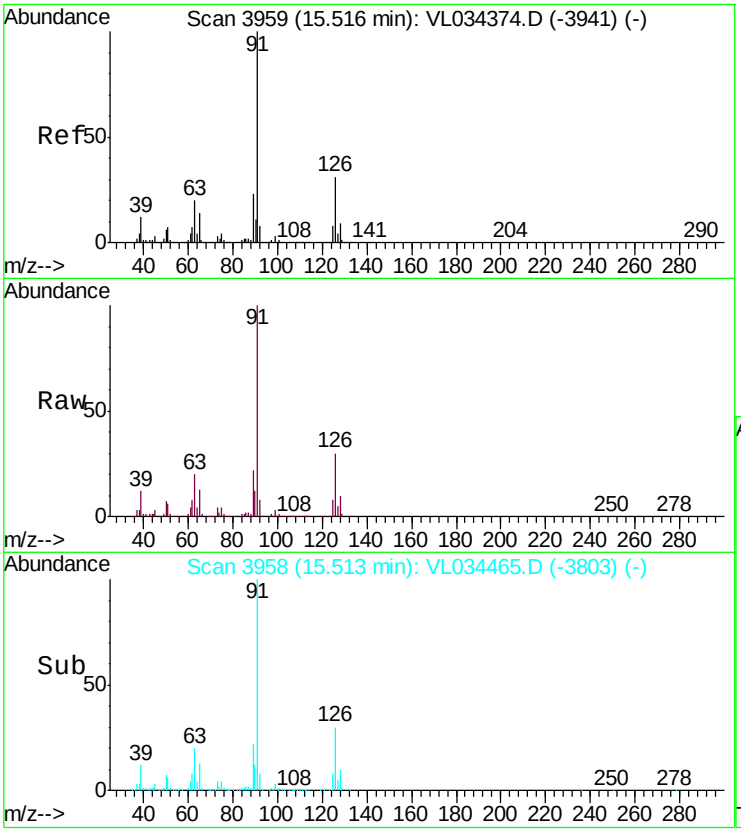


#70
n-Butylbenzene
Concen: 8.344 ppbv
RT: 18.62 min Scan# 4923
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion: 91 Resp: 3190079

Ion	Ratio	Lower	Upper
91	100		
92	53.8	43.8	65.6
134	22.0	17.9	26.9



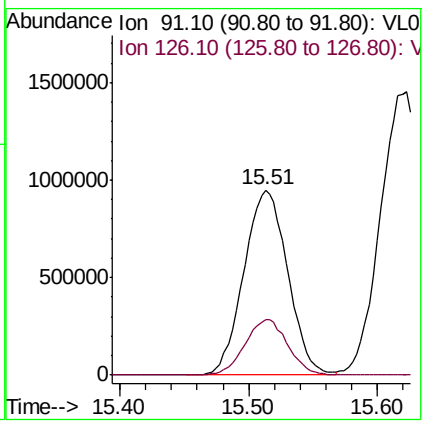


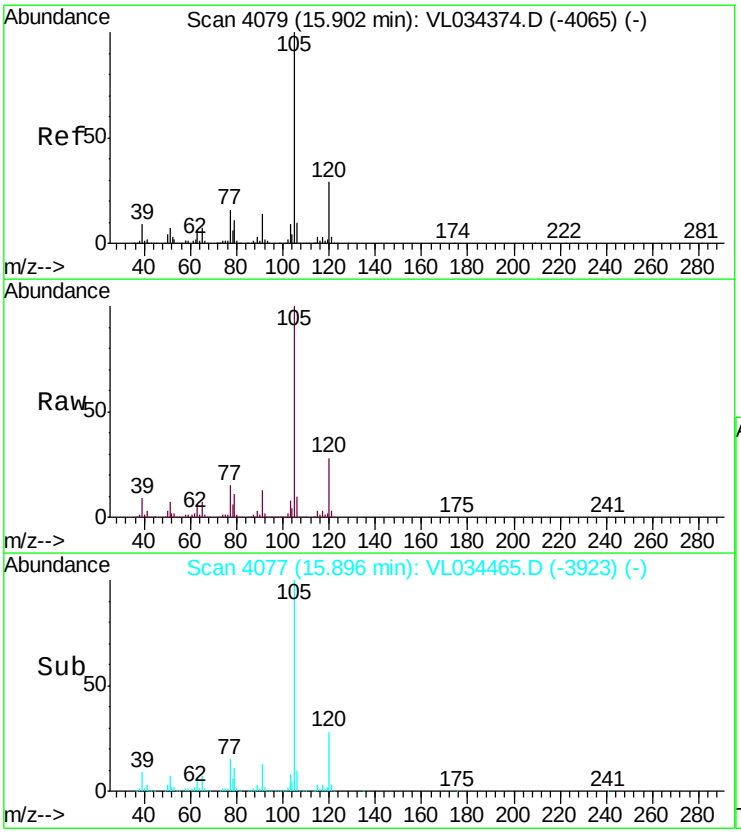
#71
2-Chlorotoluene
Concen: 8.272 ppbv
RT: 15.51 min Scan# 3958
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument : MSVOA_L
ClientSampleId : VL1209ABS01

Tgt Ion: 91 Resp: 2247434

Ion	Ratio	Lower	Upper
91	100		
126	29.6	11.8	47.4

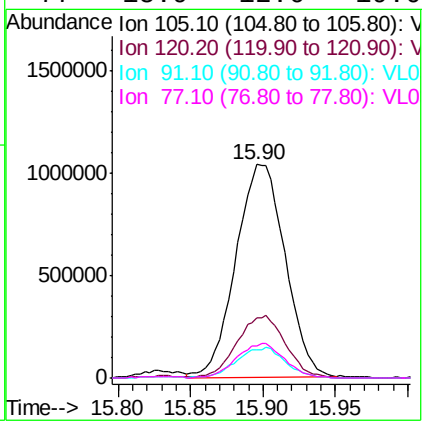


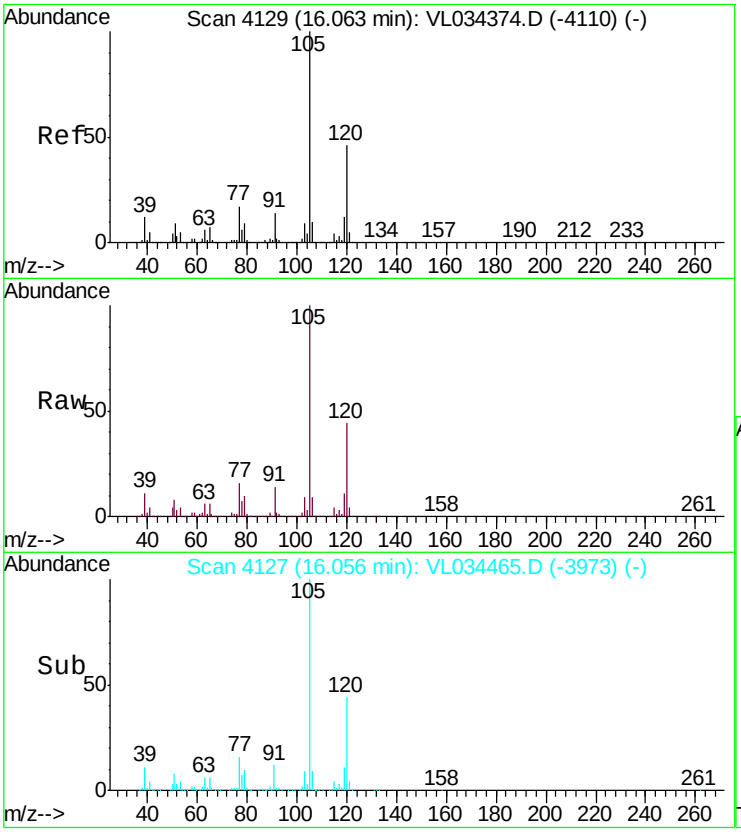


#72
4-Ethyltoluene
Concen: 8.211 ppbv
RT: 15.90 min Scan# 4077
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion:105 Resp: 2444538

Ion	Ratio	Lower	Upper
105	100		
120	28.9	23.5	35.3
91	14.0	11.4	17.0
77	15.9	12.6	19.0



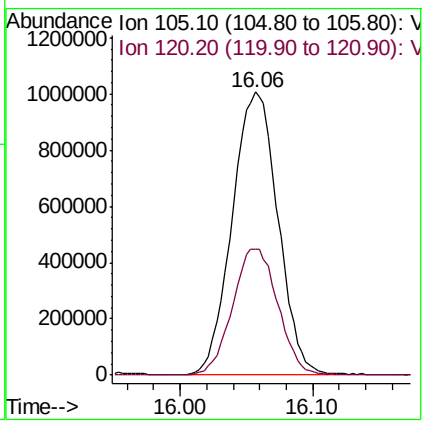


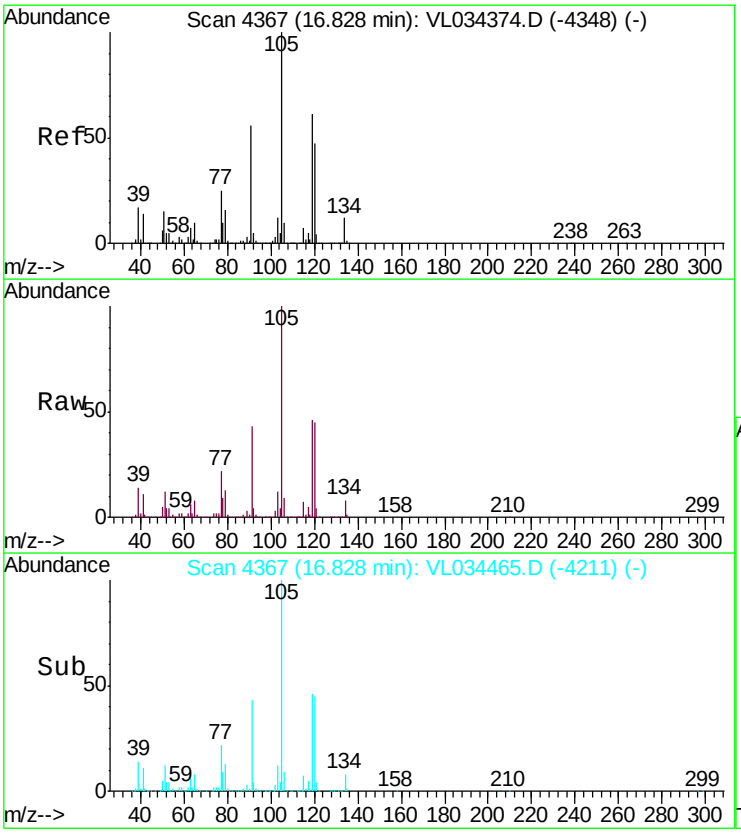
#73
1,3,5-Trimethylbenzene
Concen: 8.228 ppbv
RT: 16.06 min Scan# 4127
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion:105 Resp: 2397562

Ion	Ratio	Lower	Upper
105	100		
120	44.2	37.1	55.7

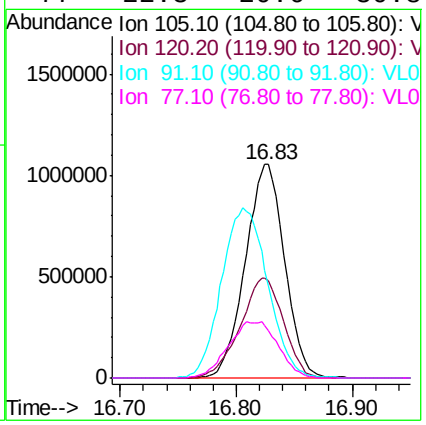


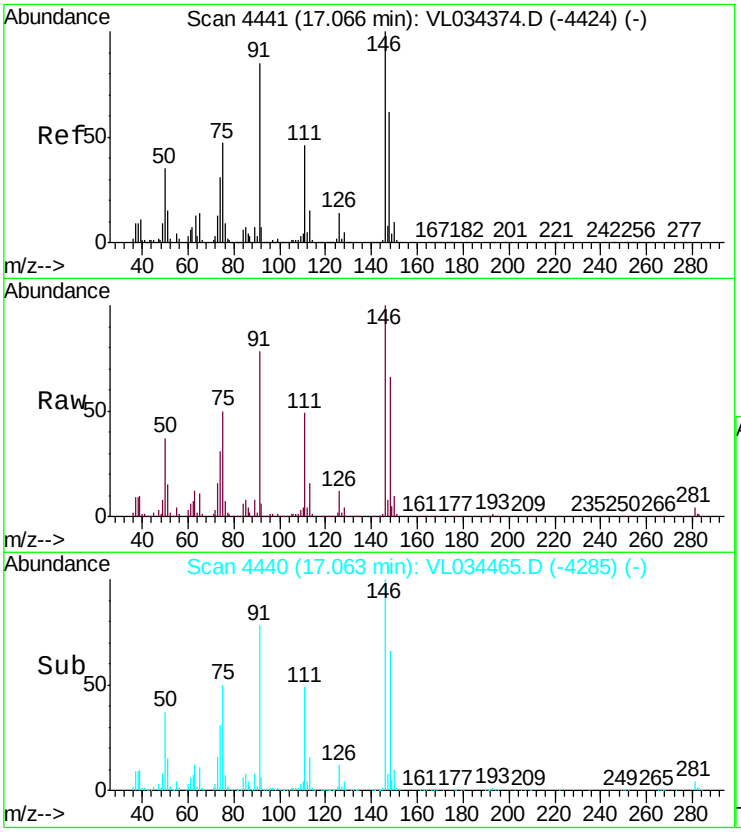


#74
1,2,4-Trimethylbenzene
Concen: 8.010 ppbv
RT: 16.83 min Scan# 4367
Delta R.T. 0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion:105 Resp: 2479358

Ion	Ratio	Lower	Upper
105	100		
120	45.3	37.4	56.0
91	43.0	46.3	69.5#
77	22.3	20.6	30.8



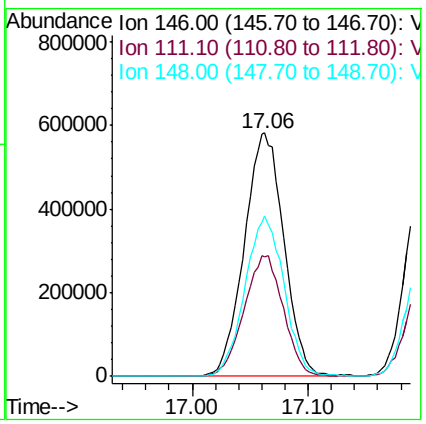


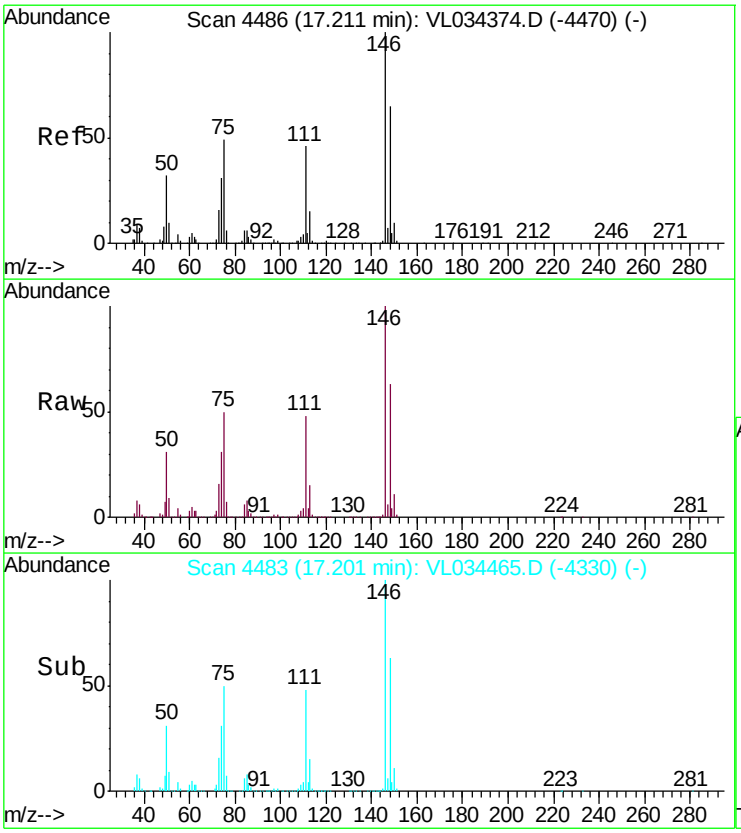
#75
1,3-Dichlorobenzene
Concen: 7.763 ppbv
RT: 17.06 min Scan# 4440
Delta R.T. -0.00 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion:146 Resp: 1381162

Ion	Ratio	Lower	Upper
146	100		
111	49.3	24.4	73.4
148	65.1	32.4	97.0

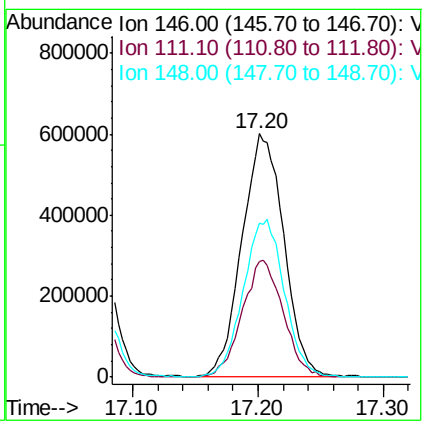


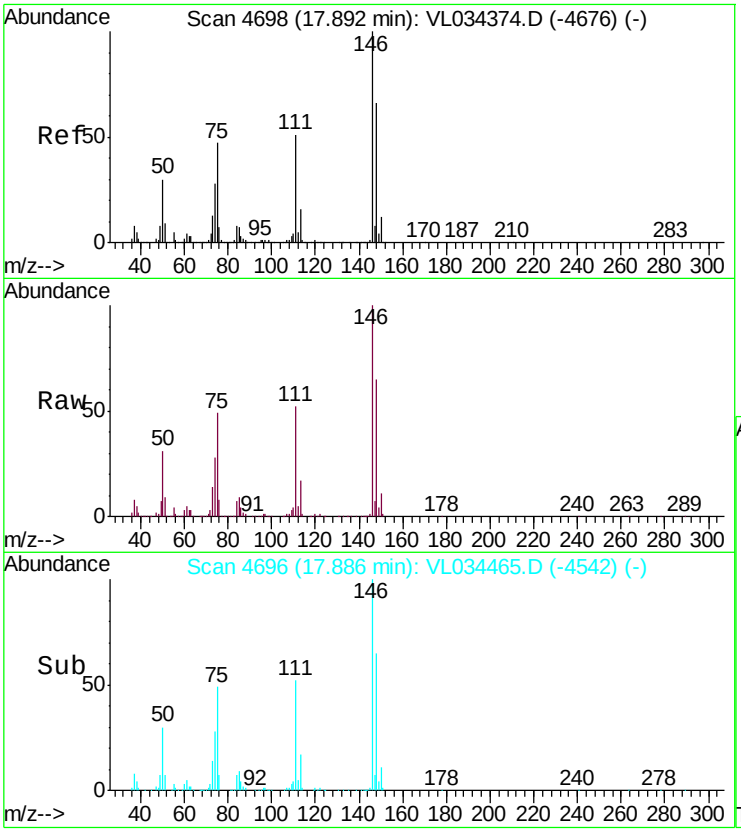


#76
1,4-Dichlorobenzene
Concen: 8.040 ppbv
RT: 17.20 min Scan# 4483
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion:146 Resp: 1389163

Ion	Ratio	Lower	Upper
146	100		
111	47.3	24.1	72.3
148	64.2	32.9	98.6



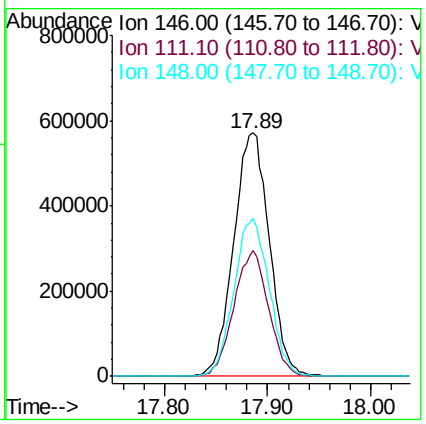


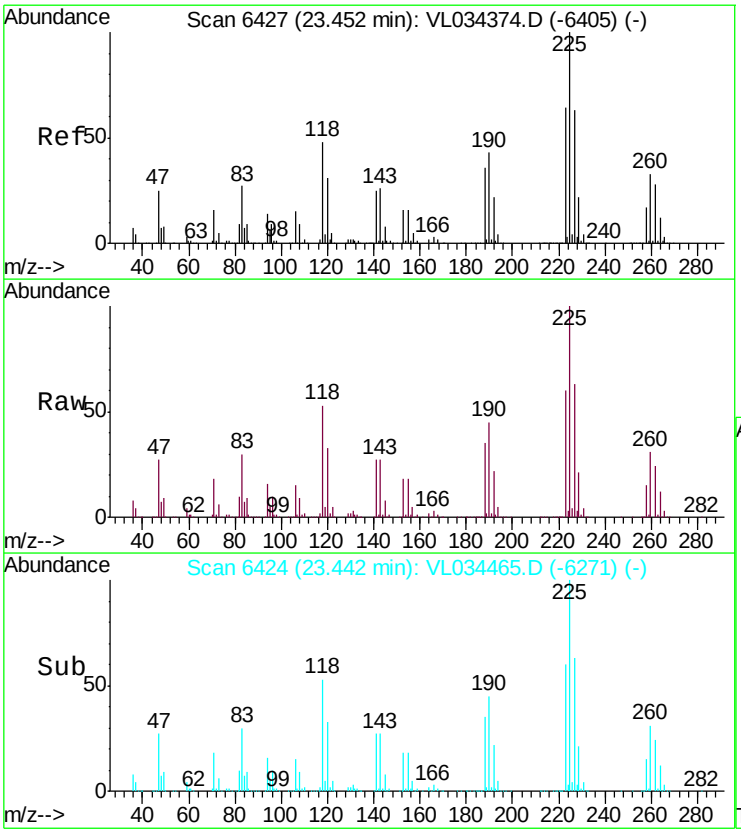
#77
1,2-Dichlorobenzene
Concen: 7.978 ppbv
RT: 17.89 min Scan# 4696
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion:146 Resp: 1370963

Ion	Ratio	Lower	Upper
146	100		
111	50.3	25.0	75.0
148	64.5	32.7	98.1

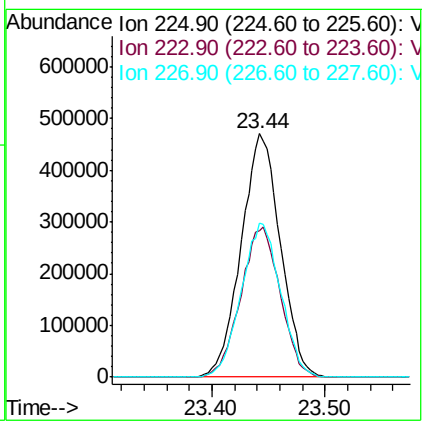


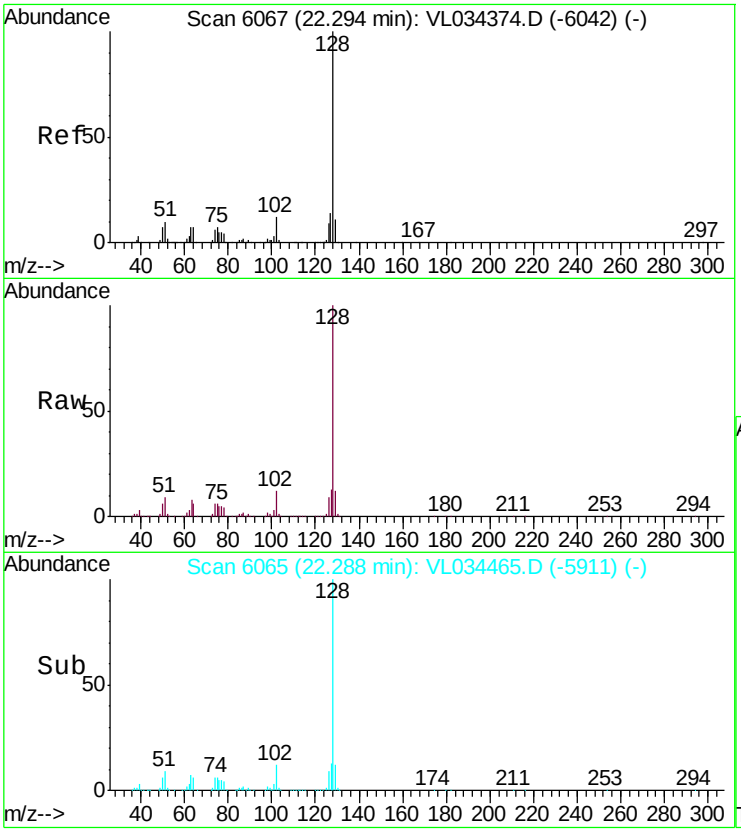


#78
Hexachloro-1,3-Butadiene
Concen: 7.670 ppbv
RT: 23.44 min Scan# 6424
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion:225 Resp: 1132538

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.2	75.2
227	63.6	51.5	77.3



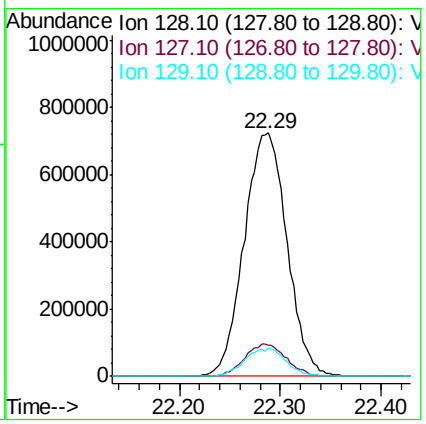


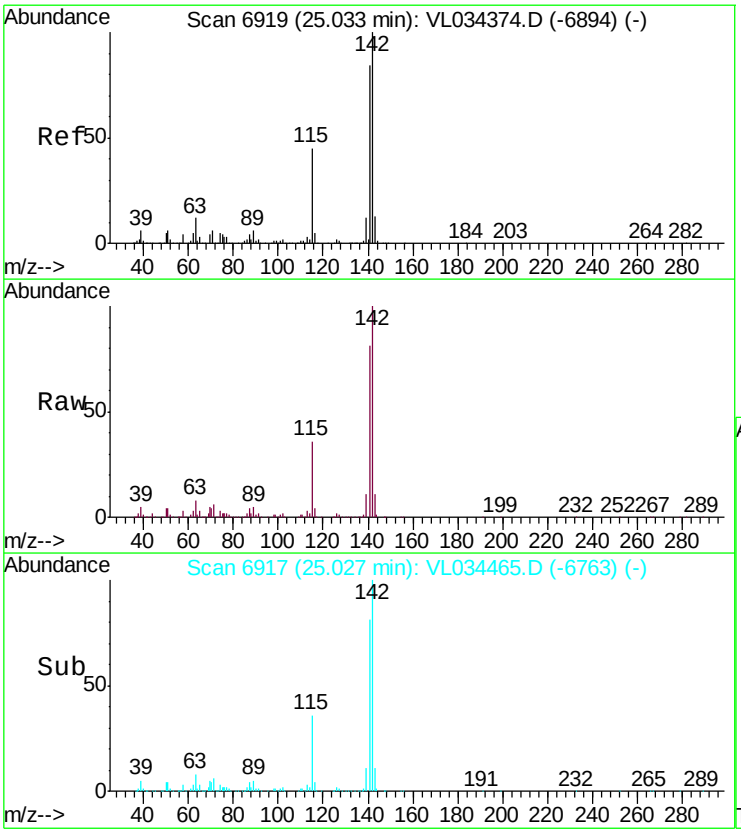
#79
Naphthalene
Concen: 7.939 ppbv
RT: 22.29 min Scan# 6065
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion:128 Resp: 2130404

Ion	Ratio	Lower	Upper
128	100		
127	12.7	11.0	16.6
129	11.9	8.9	13.3

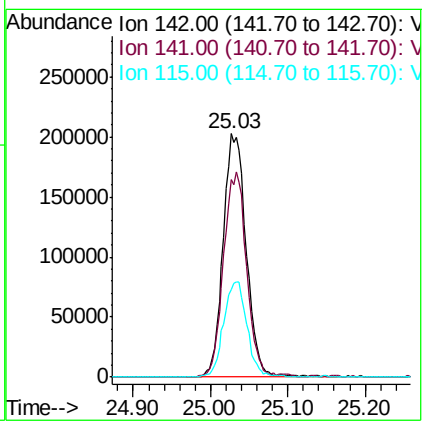


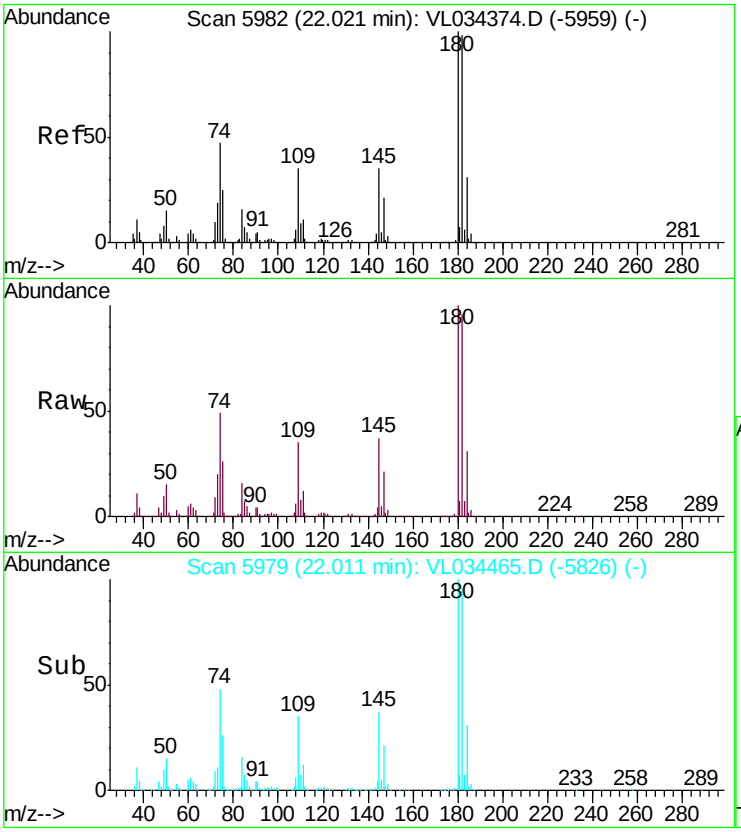


#80
Naphthalene,2-methyl-
Concen: 3.448 ppbv
RT: 25.03 min Scan# 6917
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Tgt Ion:142 Resp: 417767

Ion	Ratio	Lower	Upper
142	100		
141	84.4	67.1	100.7
115	39.8	36.6	54.8





#81
1,2,4-Trichlorobenzene
Concen: 7.310 ppbv
RT: 22.01 min Scan# 5979
Delta R.T. -0.01 min
Lab File: VL034465.D
Acq: 9 Dec 2019 14:48

Instrument :
MSVOA_L
ClientSampleId :
VL1209ABS01

Tgt Ion:180 Resp: 1205106

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.8	115.2
184	31.0	24.9	37.3