Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051419\

Quantitation Report (Not Reviewed)

Data File : VL033688.D
Acq On : 14 May 2019 12:57
Operator : SY/AP
Sample : VL0514ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0514ABS01

Quant Time: May 15 02:32:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 15:19:01 2019
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	923445	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2269961	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2437252	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1856420	9.29	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.90%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	1479802	6.832	ppbv	98
3) Chlorodifluoromethane	3.01	51	1128373	8.461	ppbv	100
4) Chloromethane	3.17	50	599546	8.647	ppbv	99
5) Vinyl Chloride	3.29	62	595531	8.835	ppbv	97
6) Bromomethane	3.51	94	395565	9.237	ppbv	96
7) Chloroethane	3.60	64	226461	9.254	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1504959	8.442	ppbv	99
9) Propene	3.03	41	471532	9.275	ppbv	100
10) Heptane	8.25	43	1264506	10.078	ppbv	99
11) Trichlorofluoromethane	4.00	101	1699585	8.404	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1243387	9.145	ppbv	99
13) Ethanol	3.64	45	136395	8.938	ppbv	100
14) Bromoethene	3.79	108	482302	8.999	ppbv	100
15) Acetone	3.90	43	1088990	7.927	ppbv	98
16) 1,3-Butadiene	3.36	39	520568	8.835	ppbv	95
17) tert-Butyl alcohol	4.35	59	1056835	10.128	ppbv	100
18) 1,1-Dichloroethene	4.35	96	531708	9.058	ppbv	97
19) Isopropyl Alcohol	4.02	45	844423	10.005	ppbv	99
20) Methylene Chloride	4.41	84	450647	8.639	ppbv	99
21) Allyl Chloride	4.48	41	801537	9.639	ppbv	100
22) trans-1,2-Dichloroethene	4.96	96	569068	9.657	ppbv	97
23) Vinyl Acetate	5.15	43	1835104	10.280	ppbv	100
24) 1,1-Dichloroethane	5.09	63	1248220	9.244	ppbv	99
25) Ethyl Acetate	5.77	43	2196143	9.826	ppbv	100
26) Hexane	5.78	57	963956	10.033	ppbv	99
27) Carbon Disulfide	4.62	76	1383082	10.525	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1648335	10.187	ppbv	100
29) Chloroform	5.85	83	1681068	9.732	ppbv	99
30) Cyclohexane	7.25	84	856932	10.621	ppbv	100
31) cis-1,2-Dichloroethene	5.64	61	1004751	10.512	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1711069	9.592	ppbv	99
34) 2-Butanone	5.33	43	1454724	10.008	ppbv	99
35) Carbon Tetrachloride	7.13	117	1850107	9.917	ppbv	99
36) Benzene	7.00	78	2096692	10.301	ppbv	98
37) 1,2-Dichloroethane	6.41	62	1269579	8.939	ppbv	100
38) Trichloroethene	7.96	130	823128	11.024	ppbv	97
39) 1,2-Dichloropropane	7.73	63	764917	10.083	ppbv	97
40) 1,4-Dioxane	7.95	88	306552	10.111	ppbv	94
41) Tetrahydrofuran	6.14	42	813570	10.831	ppbv	99
42) Bromodichloromethane	7.92	83	1792664	9.776	ppbv	99
43) Methyl Methacrylate	8.13	69	830288	10.844	ppbv	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051419\

Quantitation Report (Not Reviewed)

Data File : VL033688.D
Acq On : 14 May 2019 12:57
Operator : SY/AP
Sample : VL0514ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0514ABS01

Quant Time: May 15 02:32:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 15:19:01 2019
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3392889	9.749	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	1155760	12.299	ppbv		97
46) cis-1,3-Dichloropropene	8.83	75	1273758	10.861	ppbv		95
47) 1,1,2-Trichloroethane	9.61	97	846482	9.716	ppbv		99
48) Dibromochloromethane	10.45	129	1586793	10.745	ppbv		99
49) Bromoform	13.20	173	1417721	11.052	ppbv		99
50) 4-Methyl-2-Pentanone	8.87	43	2203914	10.013	ppbv		100
51) 2-Hexanone	10.27	43	1806224	10.592	ppbv	#	99
52) Tetrachloroethene	11.37	164	794638	11.019	ppbv		98
53) Toluene	9.95	91	2394790	10.889	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1390594	10.597	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1065396	9.477	ppbv		100
57) Chlorobenzene	12.30	112	1886309	9.426	ppbv		99
58) Ethyl Benzene	12.86	91	3356794	10.561	ppbv		99
59) m/p-Xylene	13.15	91	2747495	9.814	ppbv	#	29
60) o-Xylene	13.85	91	2789907	9.847	ppbv		99
61) Styrene	13.68	104	2107166	11.169	ppbv		100
62) Isopropylbenzene	14.82	105	3807190	9.842	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	1931367	9.367	ppbv		99
64) n-propylbenzene	15.72	120	984878	9.852	ppbv		99
65) tert-Butylbenzene	16.91	119	3497817	9.857	ppbv		100
66) Benzyl Chloride	17.15	91	2033538	12.597	ppbv		100
67) sec-Butylbenzene	17.46	105	4889802	9.877	ppbv		100
69) p-Isopropyltoluene	17.82	119	4102442	10.057	ppbv		100
70) n-Butylbenzene	18.71	91	4268272	9.867	ppbv		100
71) 2-Chlorotoluene	15.62	91	2910445	10.183	ppbv		100
72) 4-Ethyltoluene	16.00	105	3344257	10.042	ppbv		99
73) 1,3,5-Trimethylbenzene	16.15	105	3171554	9.850	ppbv		99
74) 1,2,4-Trimethylbenzene	16.93	105	3333852	9.315	ppbv		99
75) 1,3-Dichlorobenzene	17.16	146	1965703	9.093	ppbv		99
76) 1,4-Dichlorobenzene	17.31	146	1948555	9.498	ppbv		99
77) 1,2-Dichlorobenzene	17.99	146	1866550	9.320	ppbv		99
78) Hexachloro-1,3-Butadiene	23.54	225	1135314	7.153	ppbv		99
79) Naphthalene	22.41	128	2908708	8.901	ppbv		99
80) Naphthalene,2-methyl-	25.11	142	1013576	8.205	ppbv		99
81) 1,2,4-Trichlorobenzene	22.13	180	1601671	8.437	ppbv		99

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

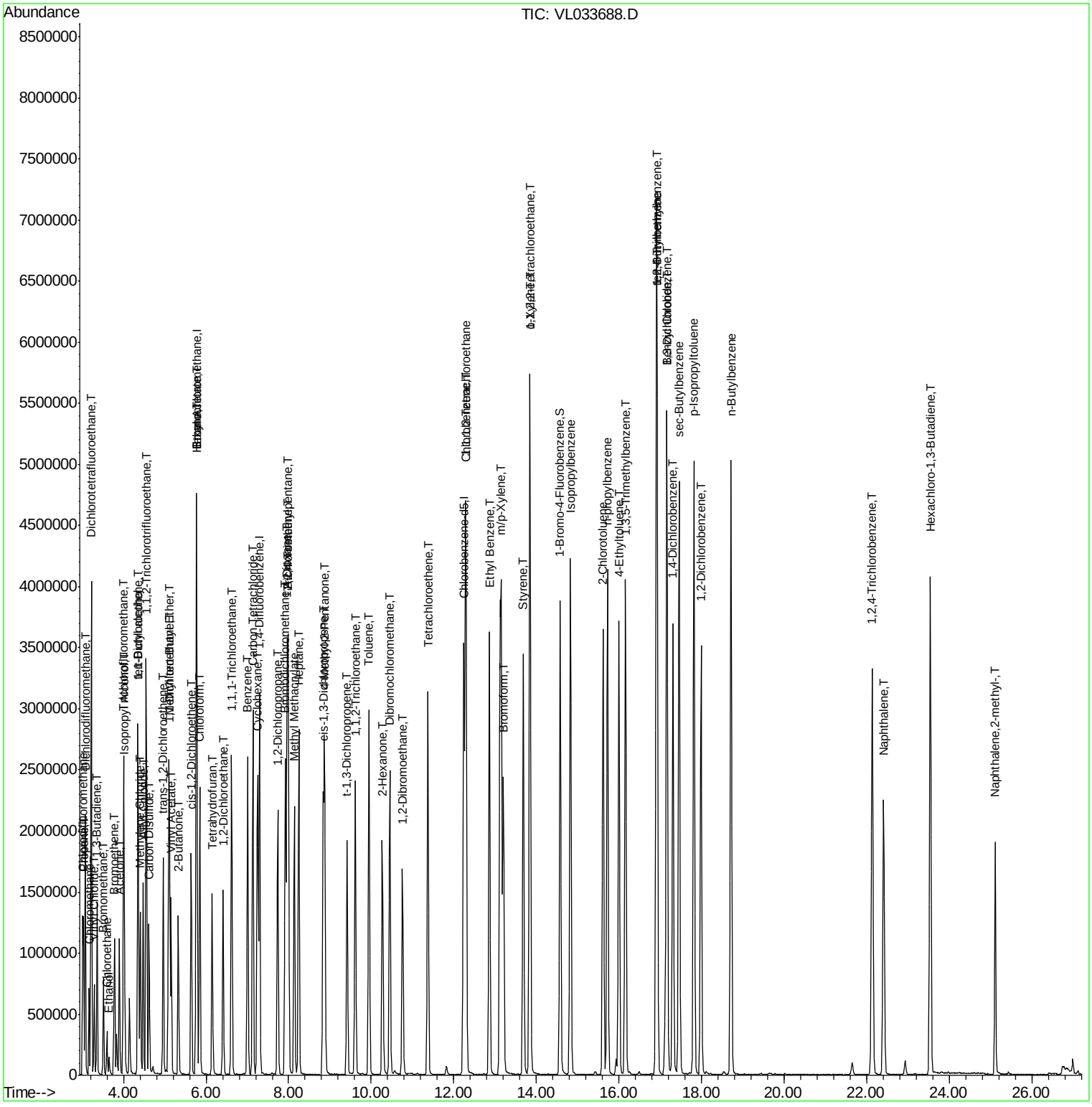
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL051419\

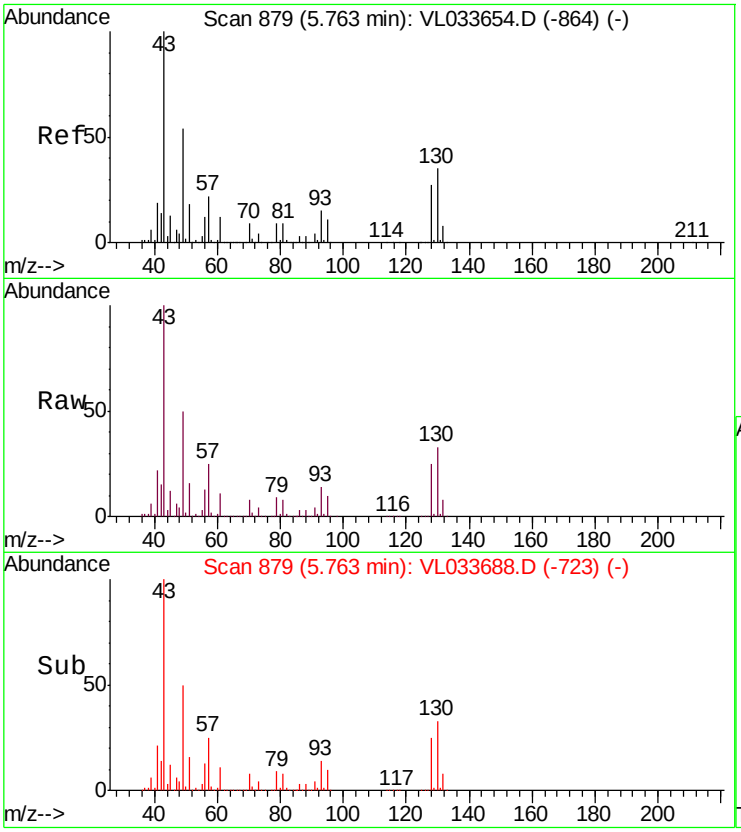
Quantitation Report (Not Reviewed)

Data File : VL033688.D
Acq On : 14 May 2019 12:57
Operator : SY/AP
Sample : VL0514ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0514ABS01

Quant Time: May 15 02:32:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon May 06 15:19:01 2019
QLast Update : Mon May 06 15:19:01 2019
Response via : Initial Calibration



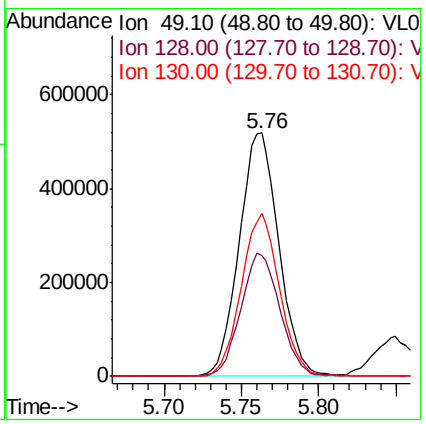


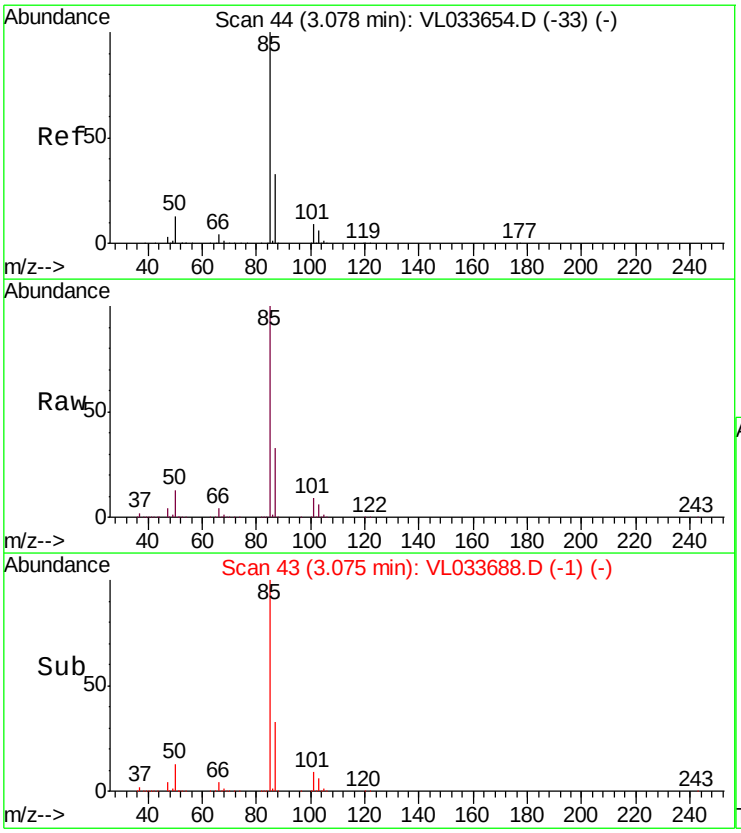
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 49 Resp: 923445

Ion	Ratio	Lower	Upper
49	100		
128	50.2	24.8	74.3
130	64.8	32.1	96.5

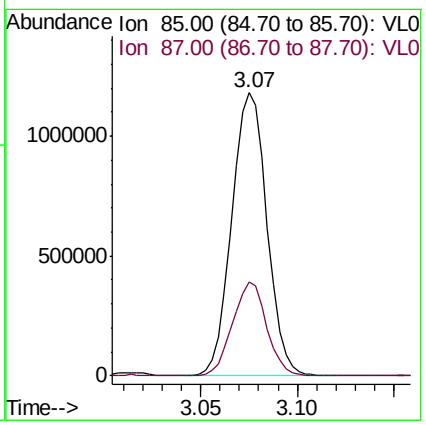


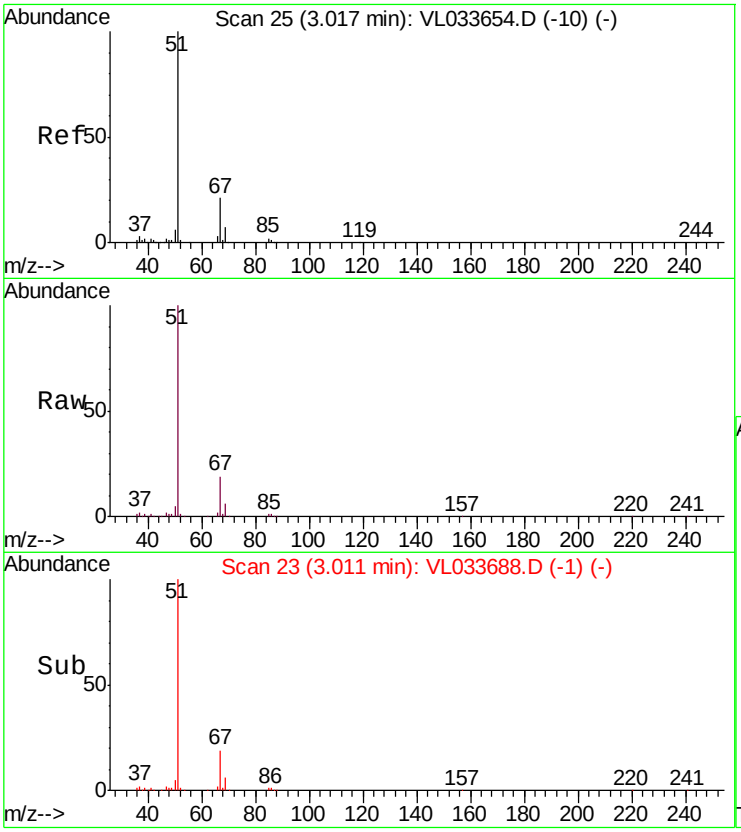


#2
Dichlorodifluoromethane
Concen: 6.832 ppbv
RT: 3.07 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 85 Resp: 1479802

Ion	Ratio	Lower	Upper
85	100		
87	33.4	26.0	39.0



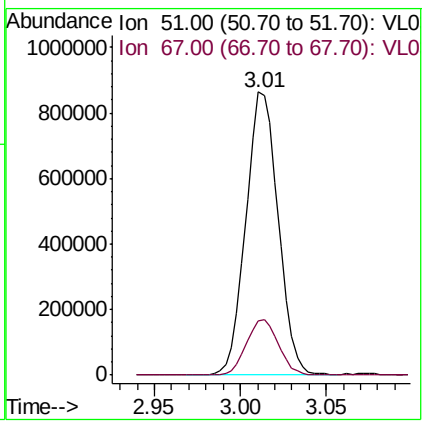


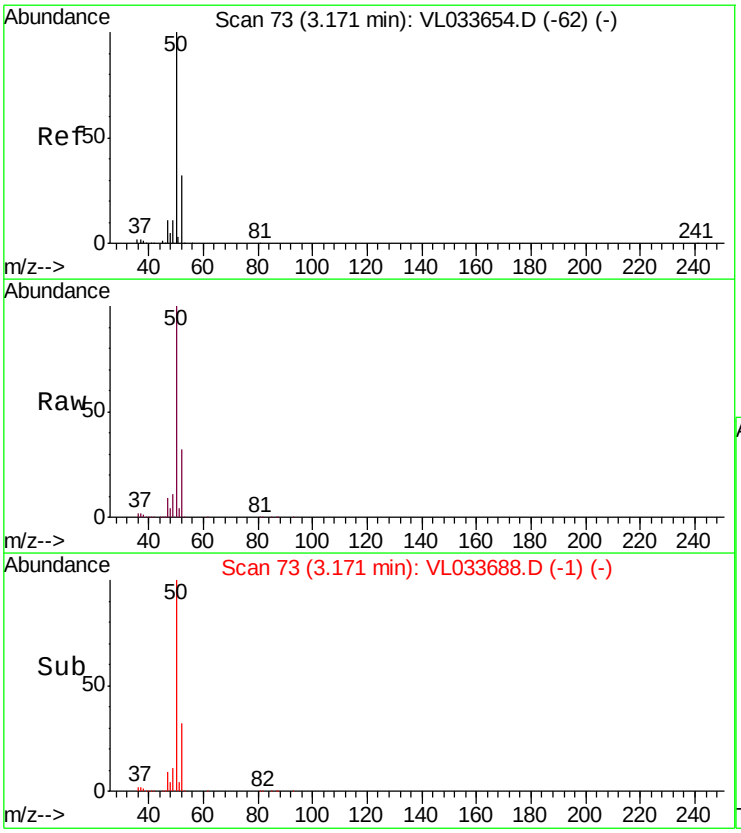
#3
Chlorodifluoromethane
Concen: 8.461 ppbv
RT: 3.01 min Scan# 23
Delta R.T. -0.01 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 51 Resp: 1128373

Ion	Ratio	Lower	Upper
51	100		
67	19.6	15.7	23.5

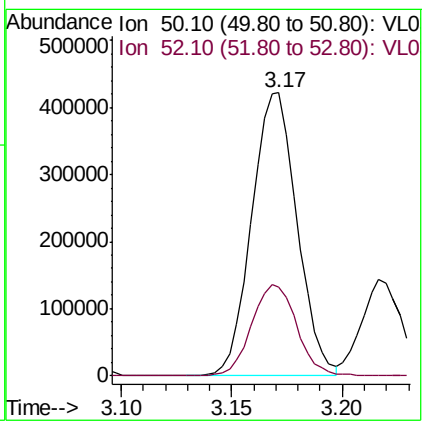


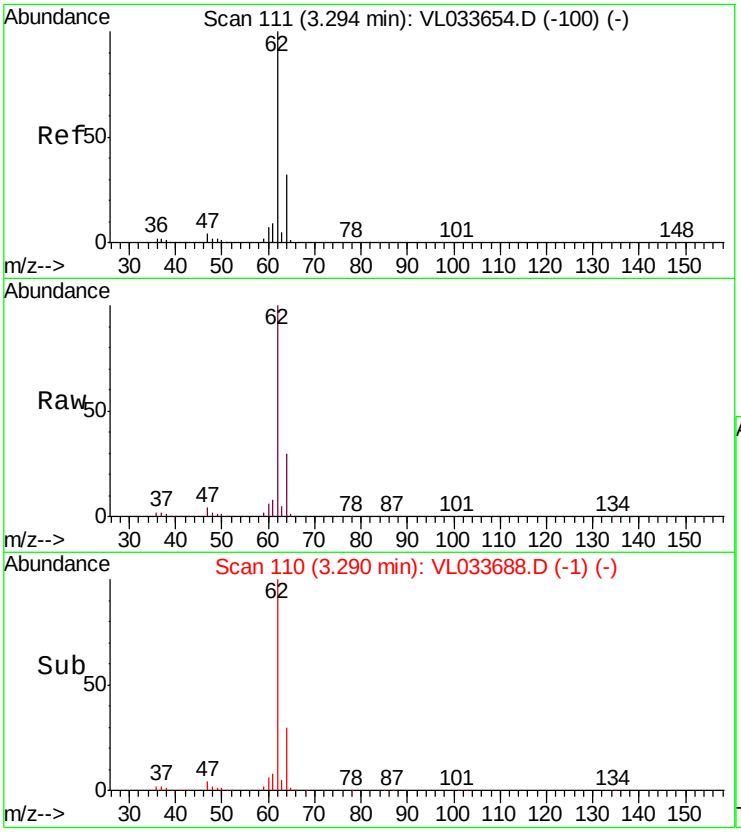


#4
Chloromethane
Concen: 8.647 ppbv
RT: 3.17 min Scan# 73
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 50 Resp: 599546

Ion	Ratio	Lower	Upper
50	100		
52	31.5	25.8	38.8



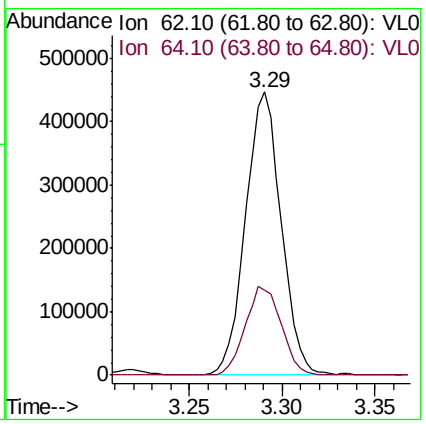


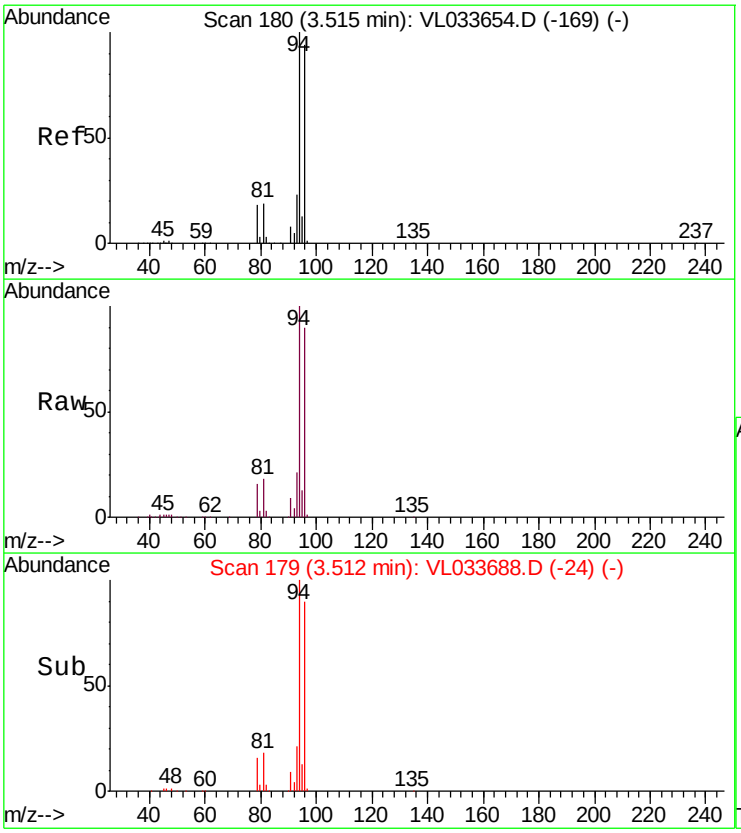
#5
Vinyl Chloride
Concen: 8.835 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 62 Resp: 595531

Ion	Ratio	Lower	Upper
62	100		
64	30.2	25.6	38.4

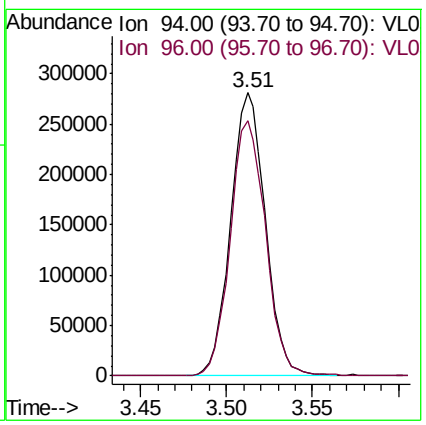


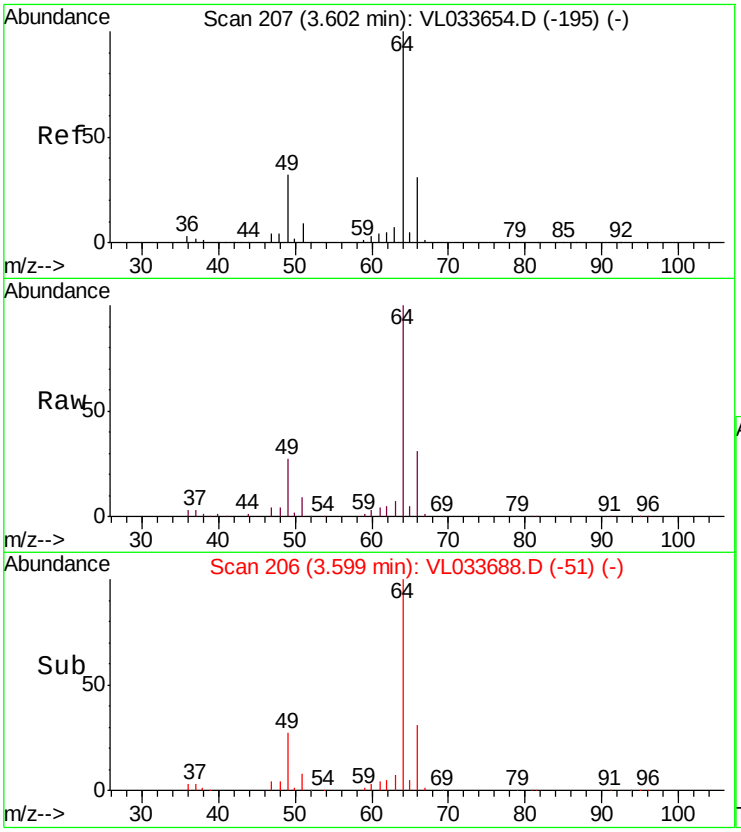


#6
Bromomethane
Concen: 9.237 ppbv
RT: 3.51 min Scan# 179
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 94 Resp: 395565

Ion	Ratio	Lower	Upper
94	100		
96	90.2	75.2	112.8



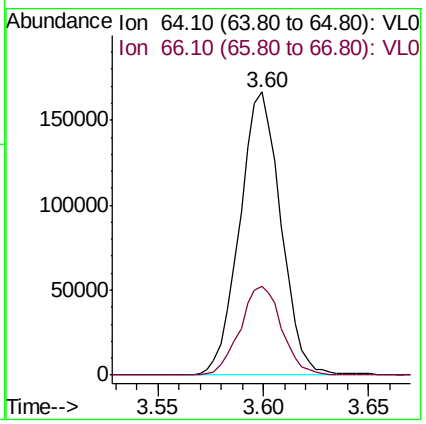


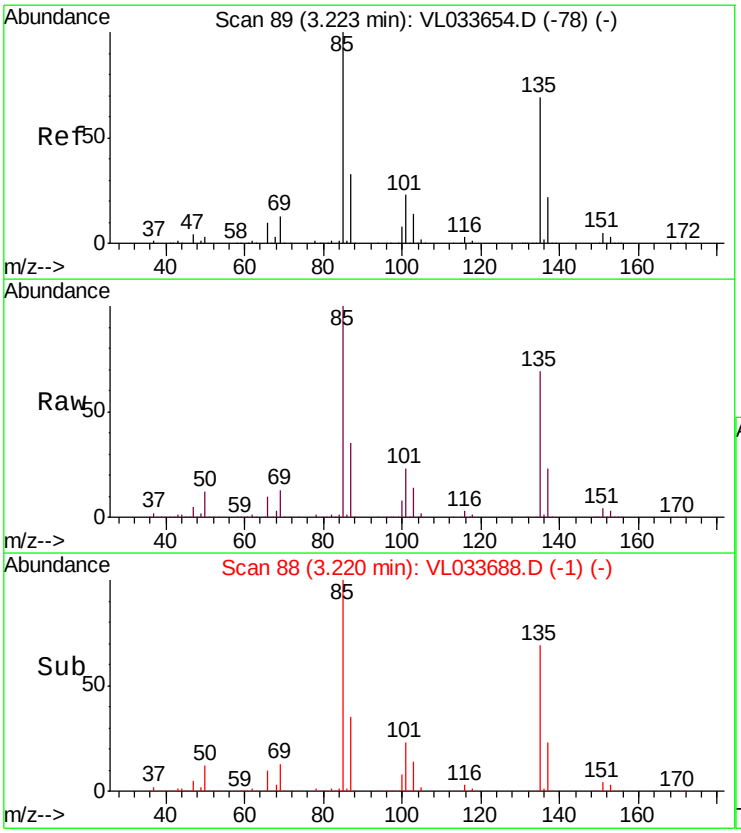
#7
Chloroethane
Concen: 9.254 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 64 Resp: 226461

Ion	Ratio	Lower	Upper
64	100		
66	31.2	25.1	37.7

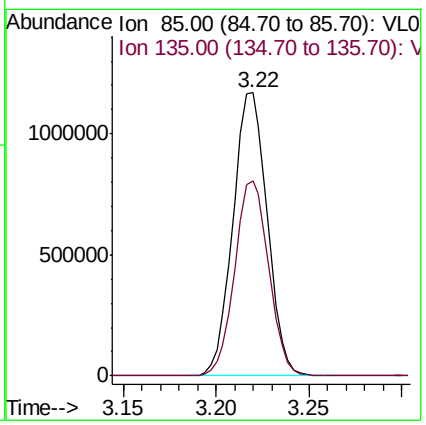


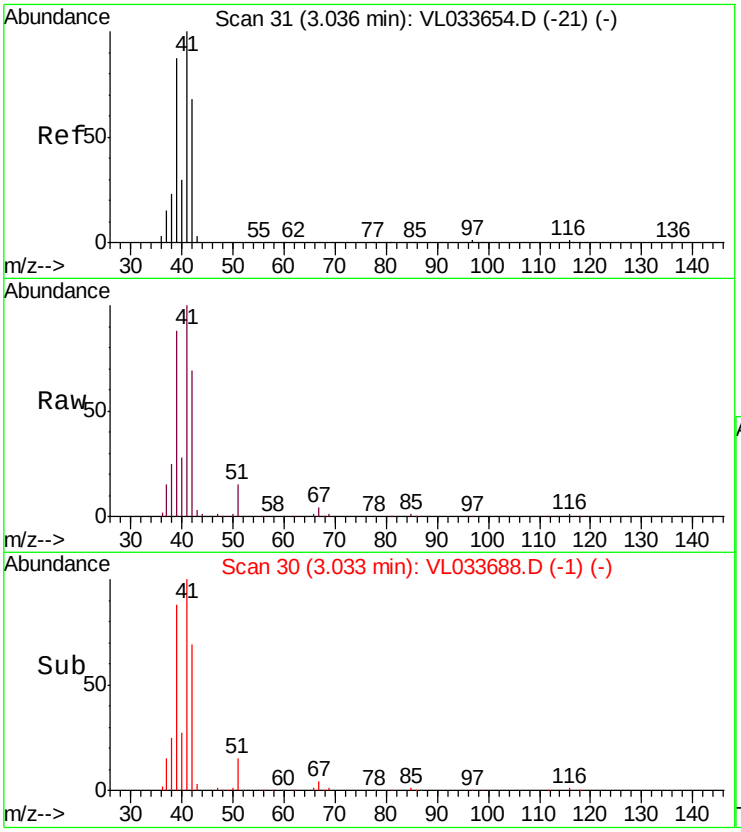


#8
Dichlorotetrafluoroethane
Concen: 8.442 ppbv
RT: 3.22 min Scan# 88
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 85 Resp: 1504959

Ion	Ratio	Lower	Upper
85	100		
135	68.4	54.3	81.5



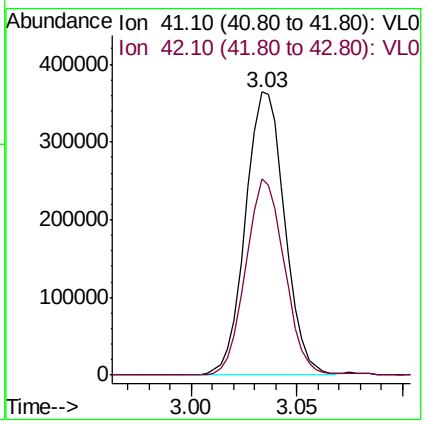


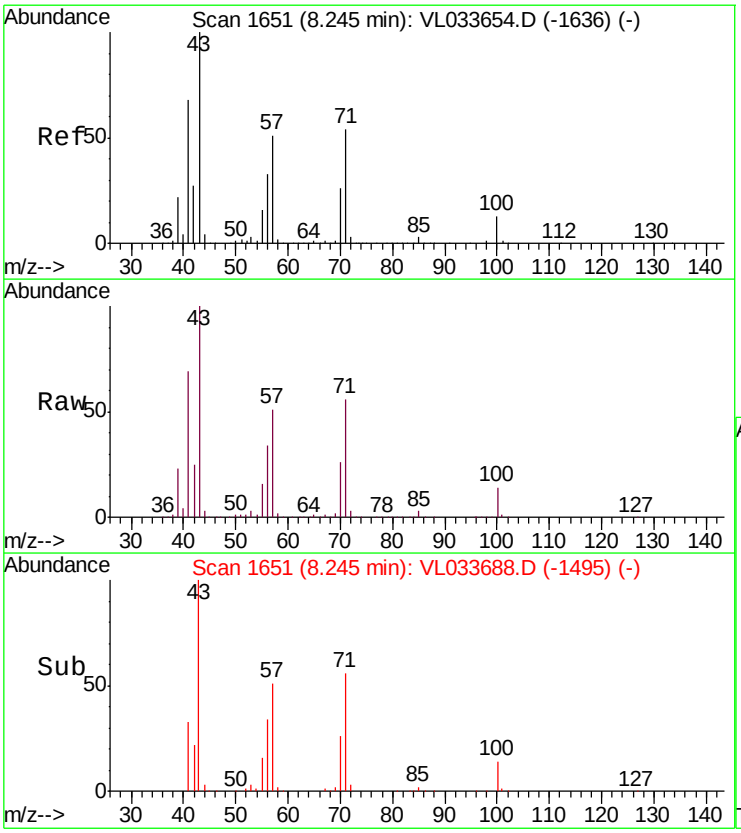
#9
Propene
Concen: 9.275 ppbv
RT: 3.03 min Scan# 30
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 41 Resp: 471532

Ion	Ratio	Lower	Upper
41	100		
42	69.3	55.6	83.4

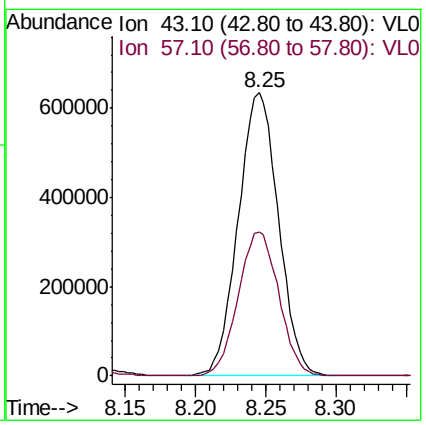


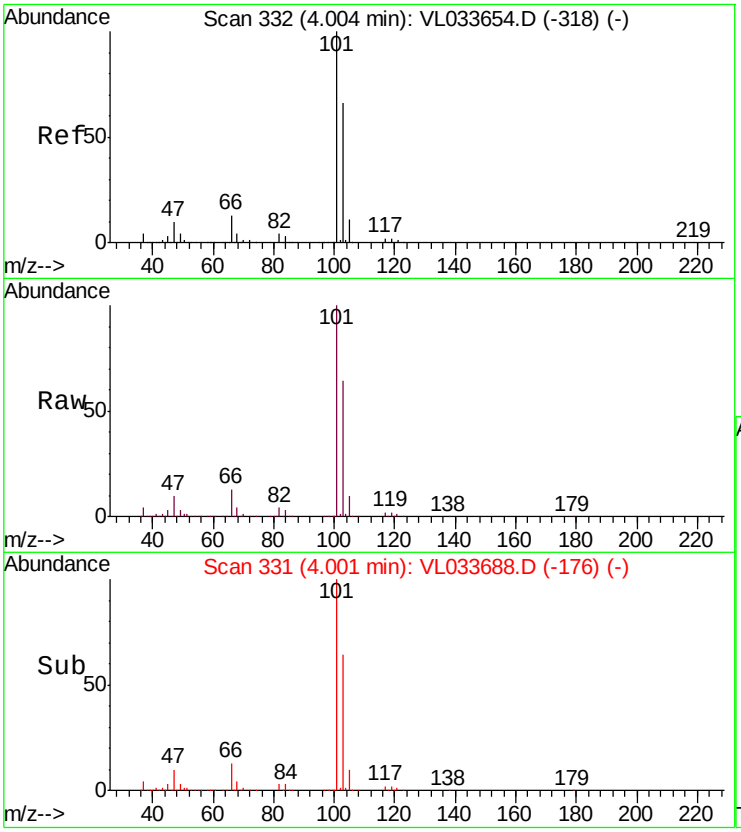


#10
Heptane
Concen: 10.078 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 43 Resp: 1264506

Ion	Ratio	Lower	Upper
43	100		
57	51.8	41.8	62.6



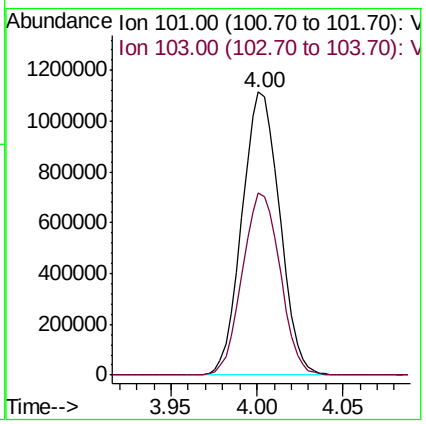


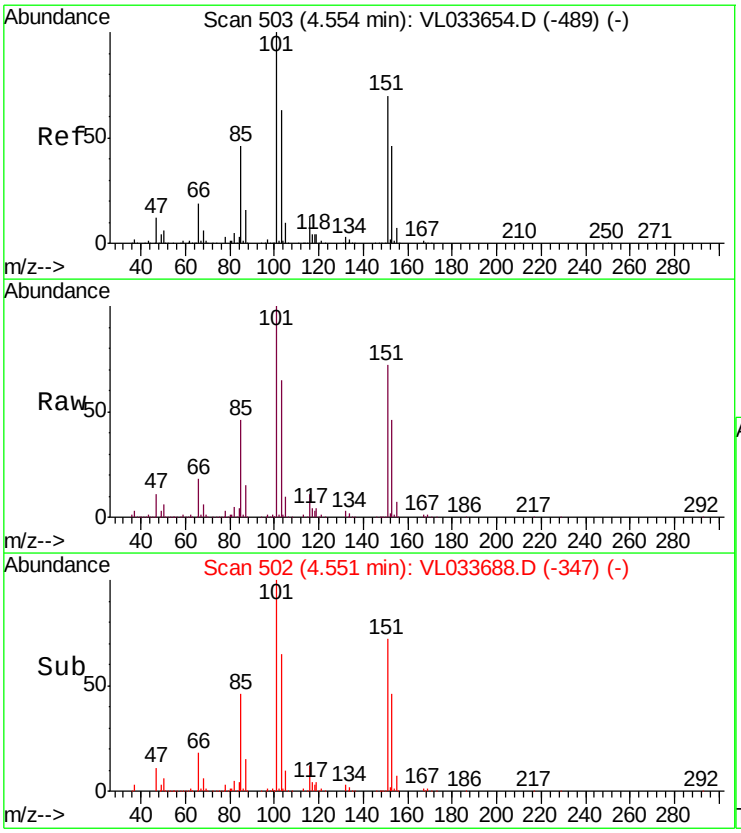
#11
Trichlorofluoromethane
Concen: 8.404 ppbv
RT: 4.00 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion:101 Resp: 1699585

Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.7	79.1

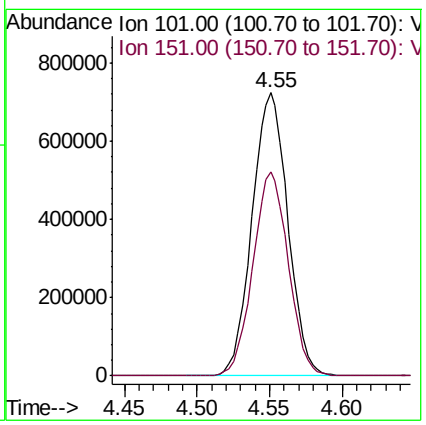


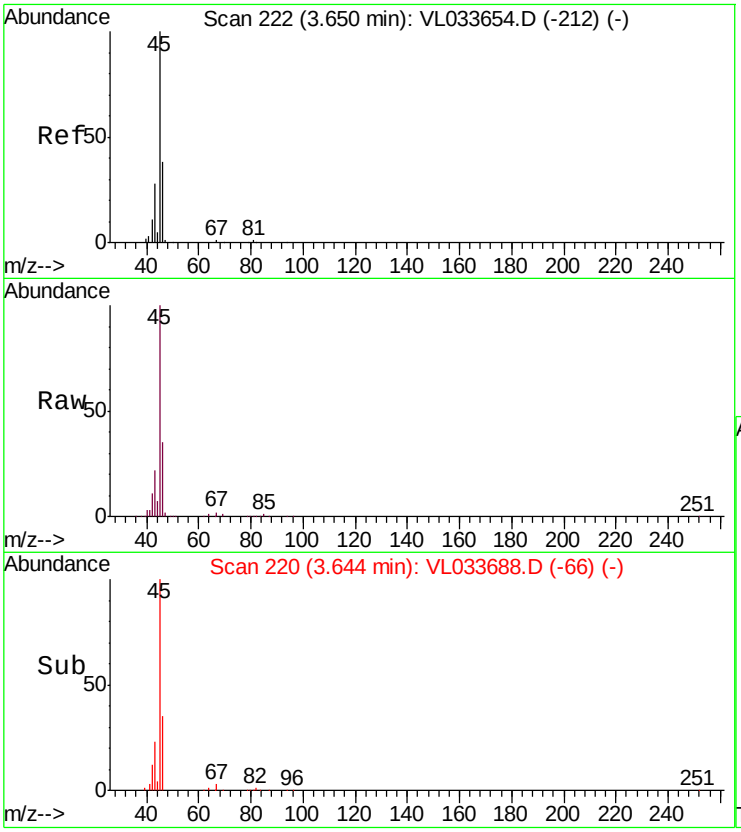


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.145 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion:101 Resp: 1243387

Ion	Ratio	Lower	Upper
101	100		
151	71.3	58.0	87.0



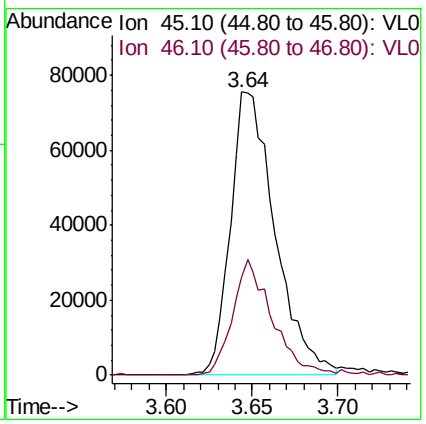


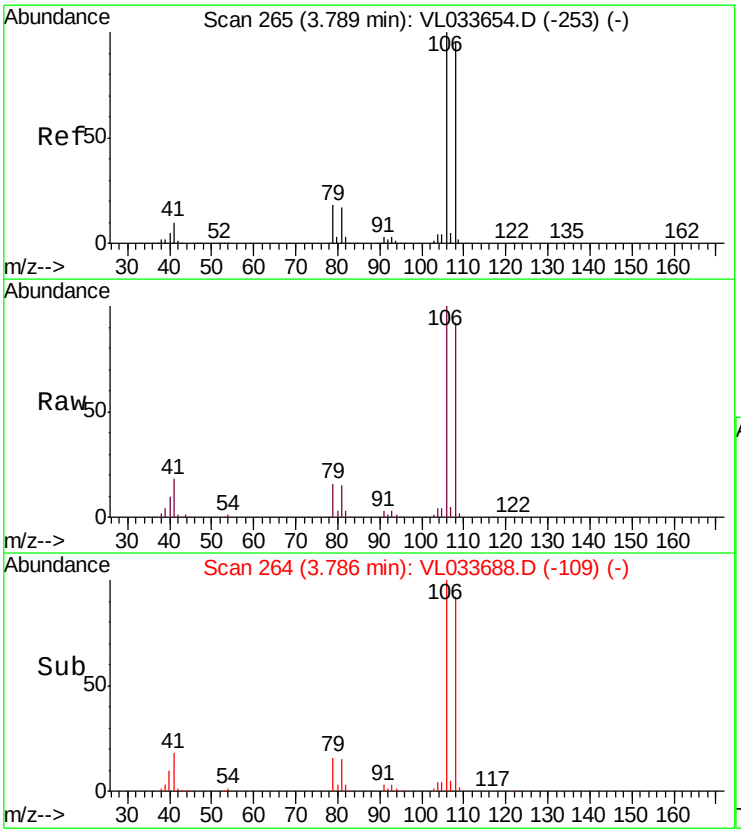
#13
Ethanol
Concen: 8.938 ppbv
RT: 3.64 min Scan# 220
Delta R.T. -0.01 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 45 Resp: 136395

Ion	Ratio	Lower	Upper
45	100		
46	37.1	14.9	59.7

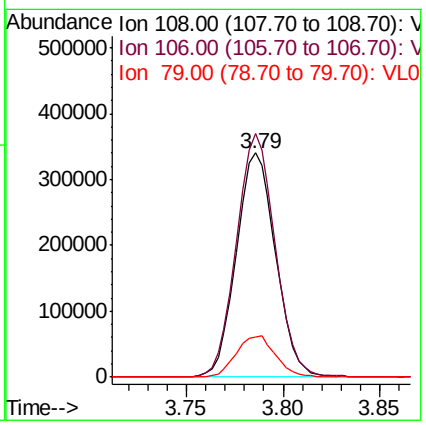


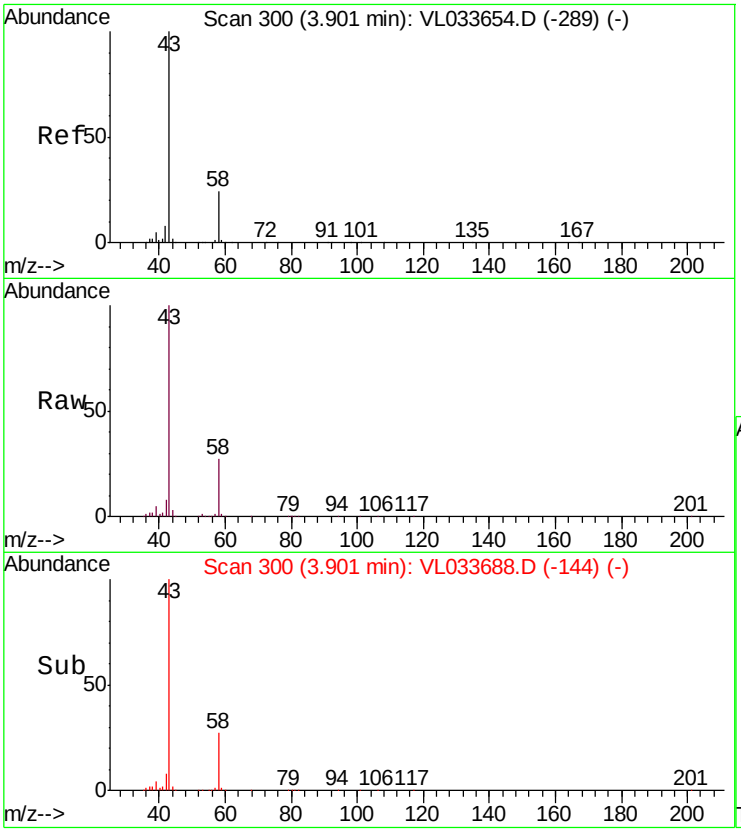


#14
Bromoethene
Concen: 8.999 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion:108 Resp: 482302

Ion	Ratio	Lower	Upper
108	100		
106	107.3	85.7	128.5
79	18.7	15.2	22.8



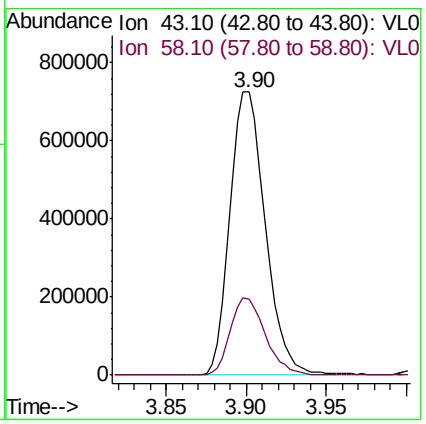


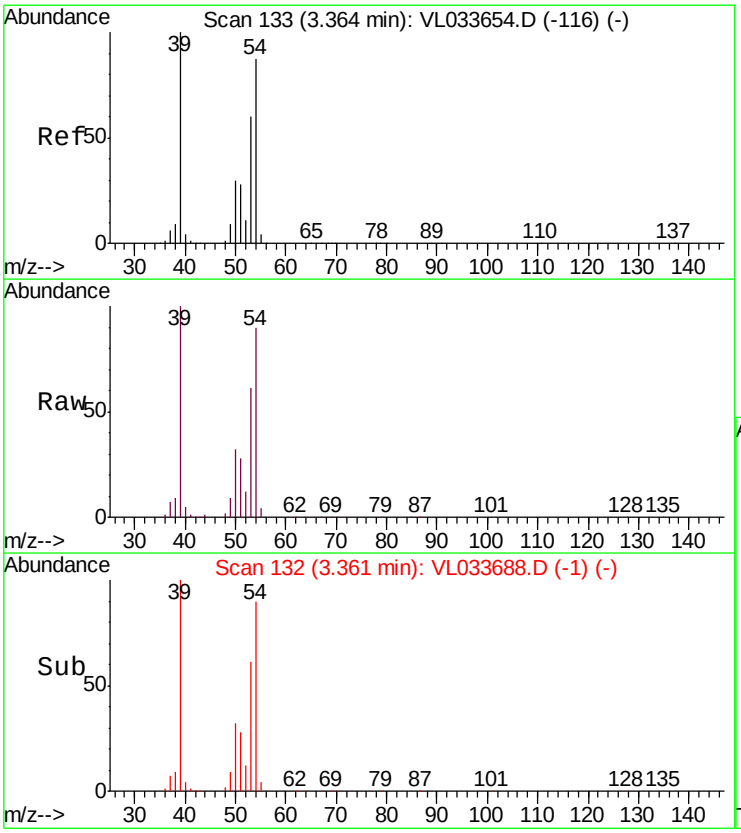
#15
Acetone
Concen: 7.927 ppbv
RT: 3.90 min Scan# 300
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 43 Resp: 1088990

Ion	Ratio	Lower	Upper
43	100		
58	27.1	20.9	31.3

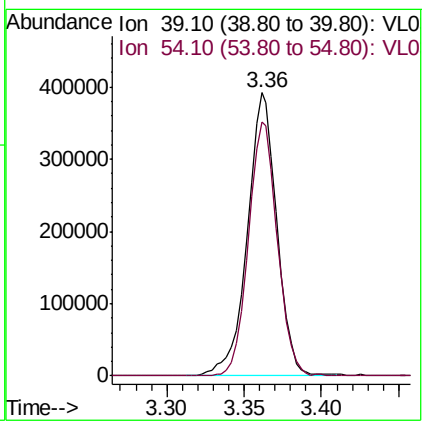


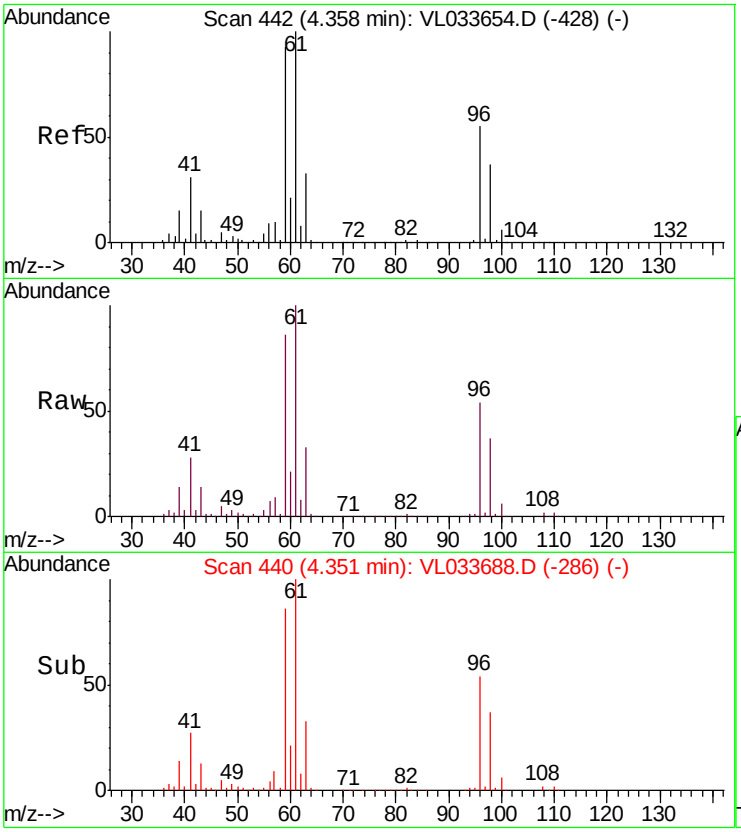


#16
1,3-Butadiene
Concen: 8.835 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 39 Resp: 520568

Ion	Ratio	Lower	Upper
39	100		
54	88.0	67.0	100.4



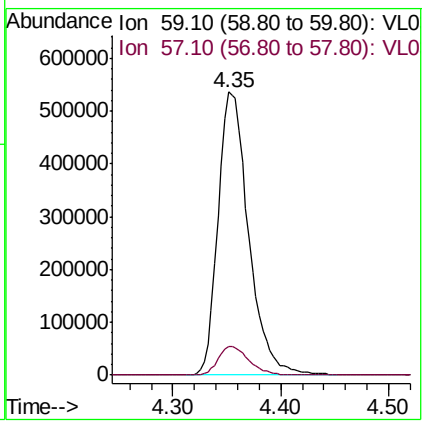


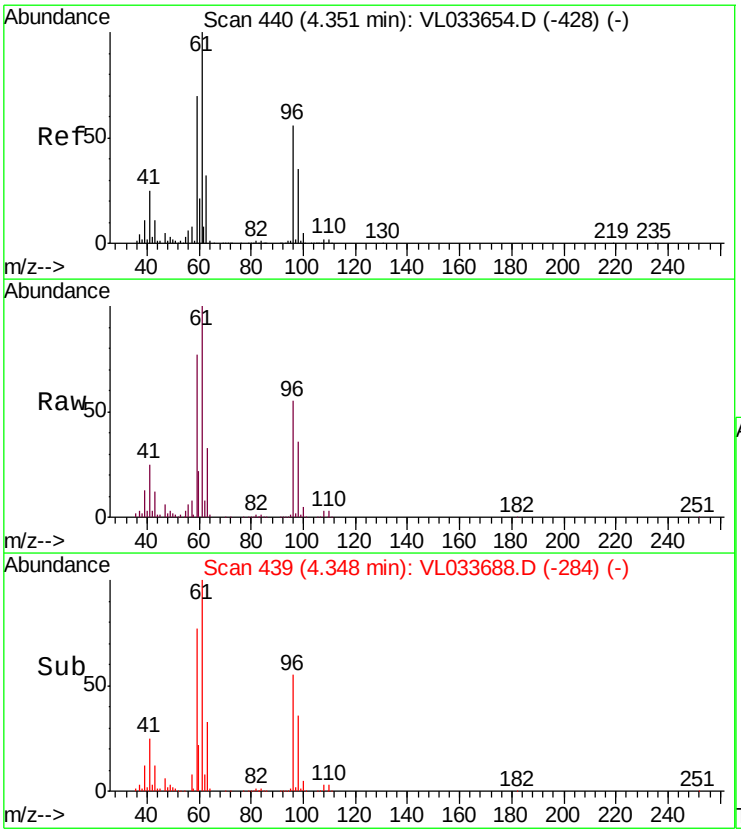
#17
tert-Butyl alcohol
Concen: 10.128 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.01 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 59 Resp: 1056835

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.4	12.6

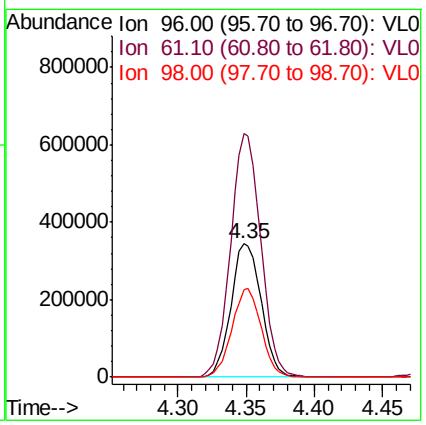


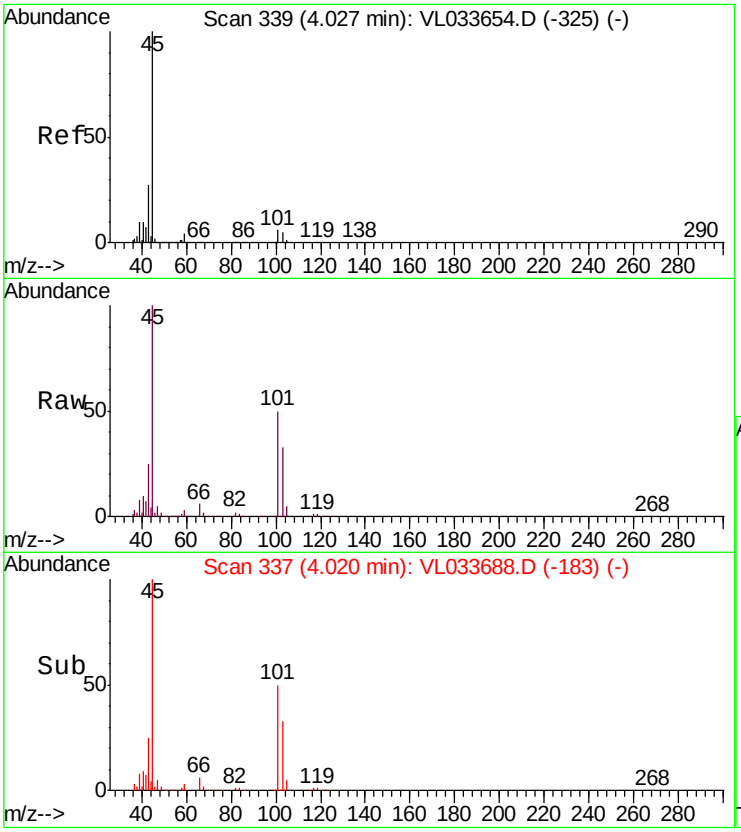


#18
1,1-Dichloroethene
Concen: 9.058 ppbv
RT: 4.35 min Scan# 439
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 96 Resp: 531708

Ion	Ratio	Lower	Upper
96	100		
61	183.0	143.4	215.0
98	65.9	50.4	75.6



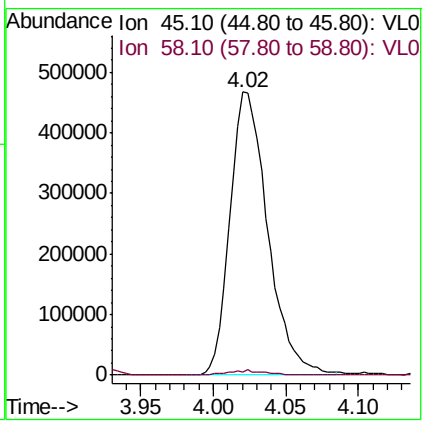


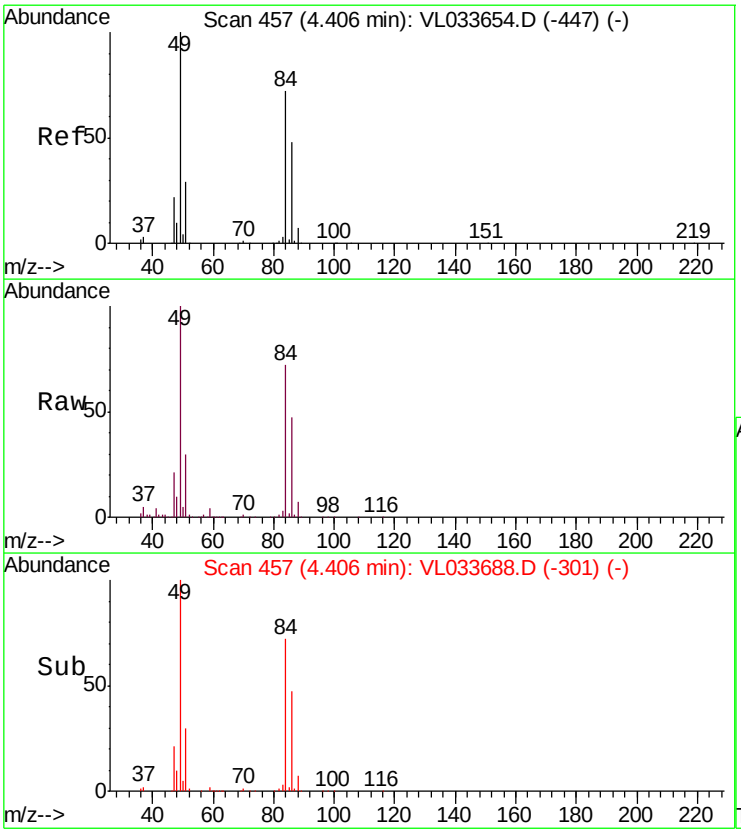
#19
Isopropyl Alcohol
Concen: 10.005 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.01 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument : MSVOA_L
ClientSampleId : VL0514ABS01

Tgt Ion: 45 Resp: 844423

Ion	Ratio	Lower	Upper
45	100		
58	2.1	2.0	3.0

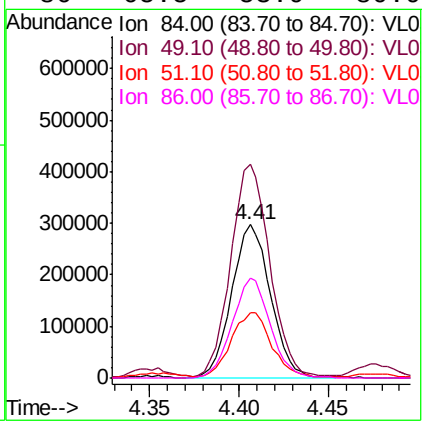


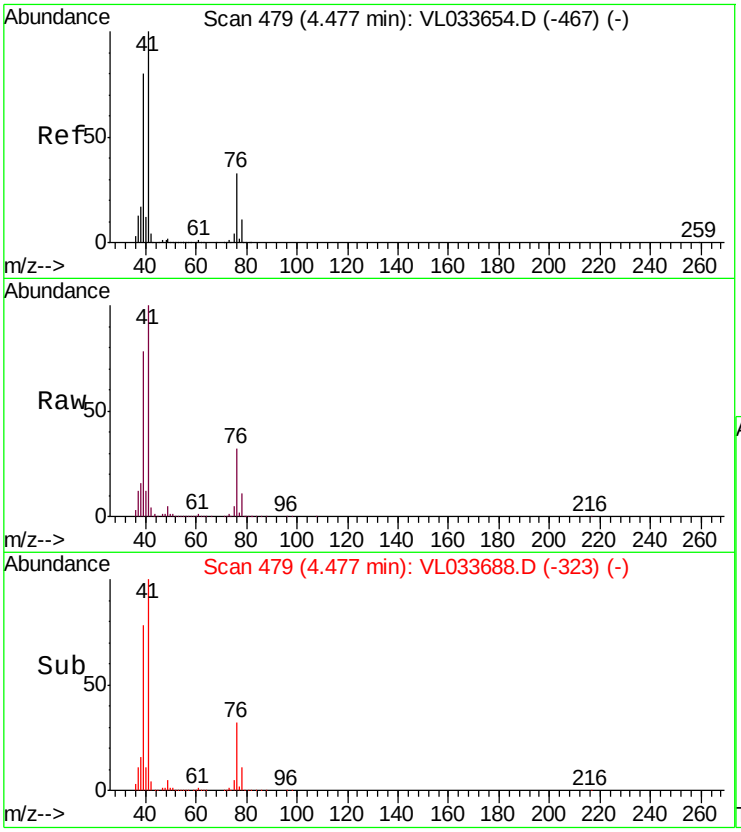


#20
Methylene Chloride
Concen: 8.639 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 84 Resp: 450647

Ion	Ratio	Lower	Upper
84	100		
49	138.5	111.8	167.6
51	41.4	32.3	48.5
86	65.5	53.9	80.9



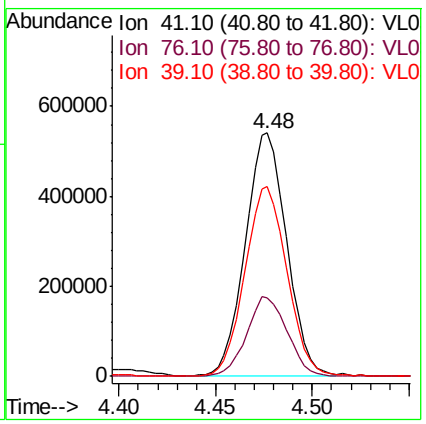


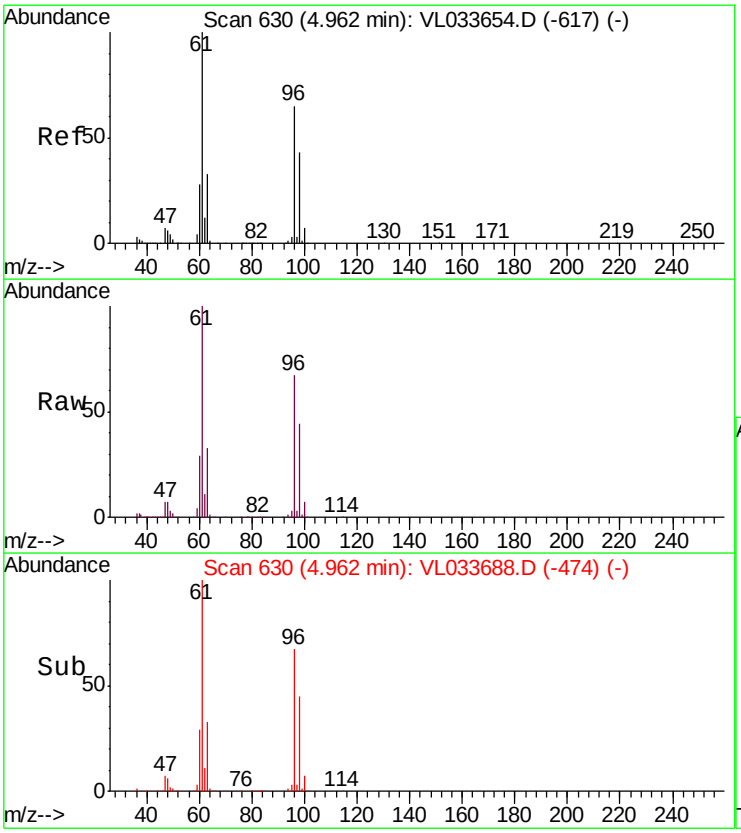
#21
Allyl Chloride
Concen: 9.639 ppbv
RT: 4.48 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument : MSVOA_L
ClientSampleId : VL0514ABS01

Tgt Ion: 41 Resp: 801537

Ion	Ratio	Lower	Upper
41	100		
76	32.5	26.0	39.0
39	80.1	64.4	96.6

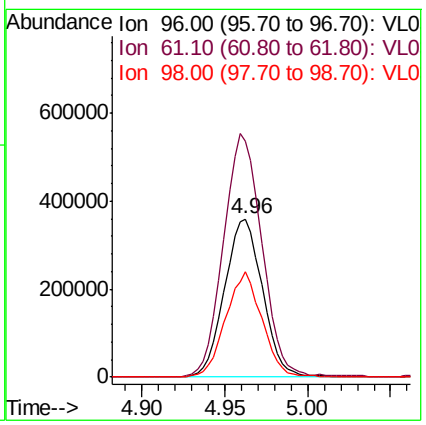


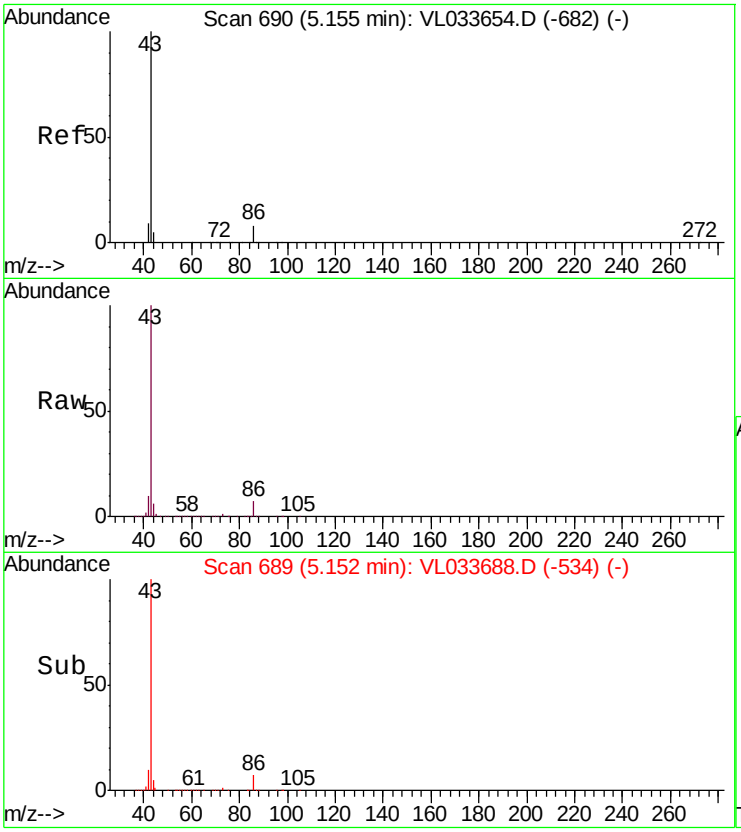


#22
trans-1,2-Dichloroethene
Concen: 9.657 ppbv
RT: 4.96 min Scan# 630
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 96 Resp: 569068

Ion	Ratio	Lower	Upper
96	100		
61	148.7	123.1	184.7
98	66.1	52.6	79.0



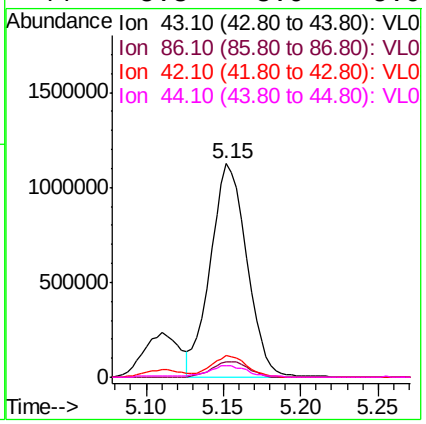


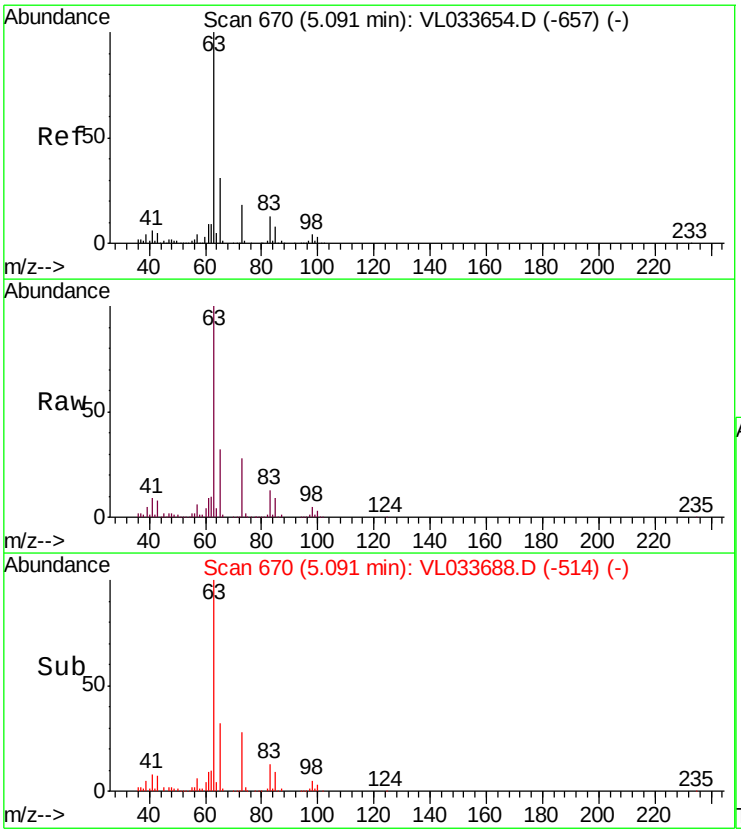
#23
Vinyl Acetate
Concen: 10.280 ppbv
RT: 5.15 min Scan# 689
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument : MSVOA_L
ClientSampleId : VL0514ABS01

Tgt Ion: 43 Resp: 1835104

Ion	Ratio	Lower	Upper
43	100		
86	7.4	6.0	9.0
42	10.0	8.0	12.0
44	5.3	3.9	5.9

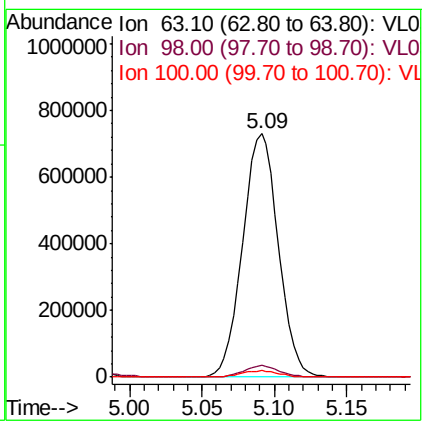


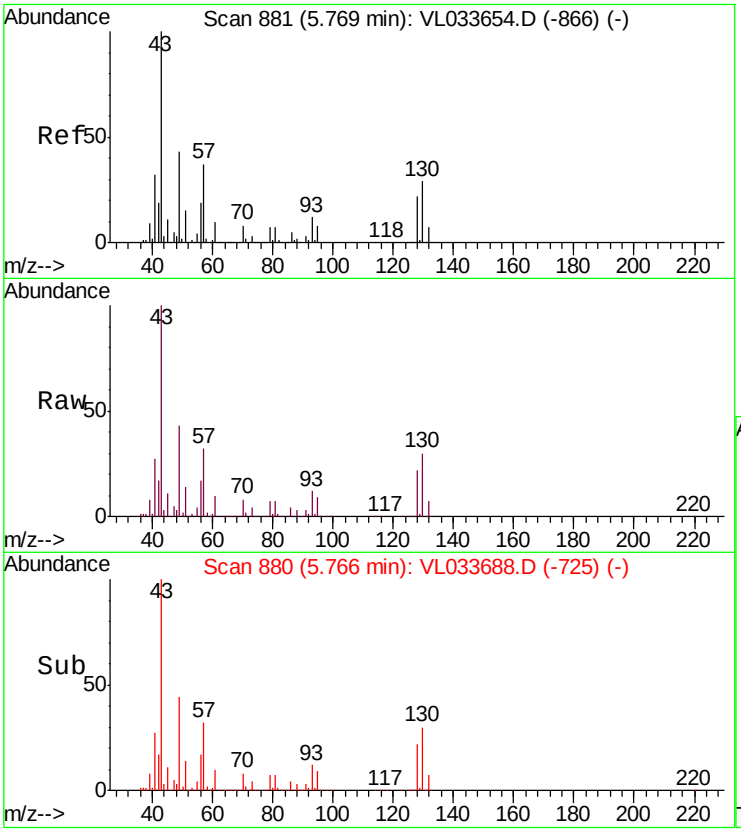


#24
1,1-Dichloroethane
Concen: 9.244 ppbv
RT: 5.09 min Scan# 670
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 63 Resp: 1248220

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.1	6.2
100	2.6	1.5	4.4



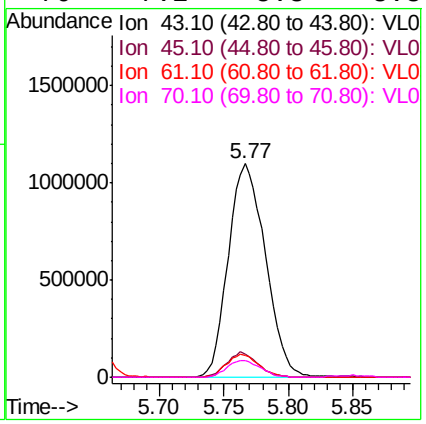


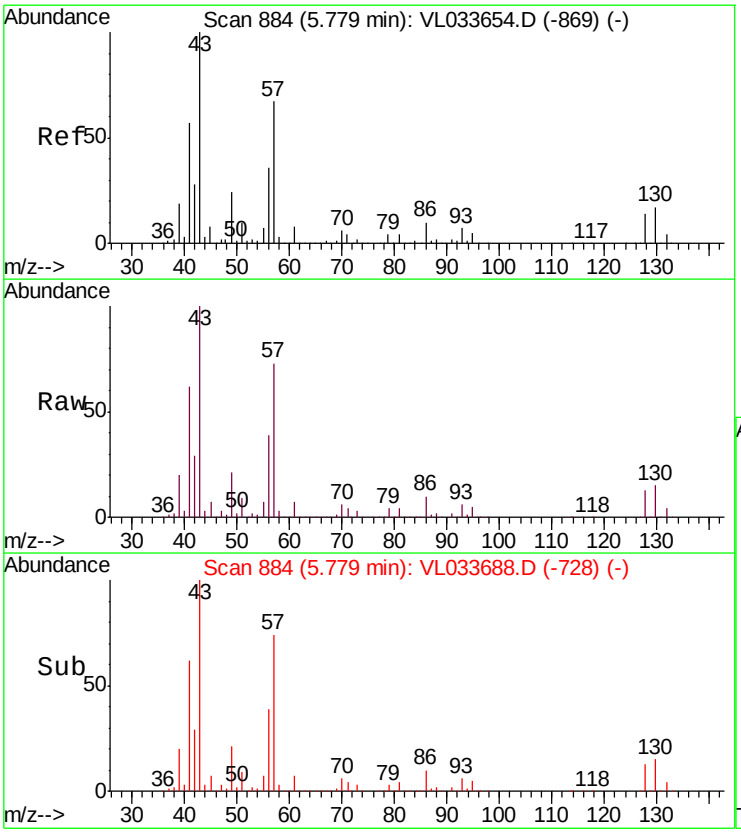
#25
Ethyl Acetate
Concen: 9.826 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 43 Resp: 2196143

Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.0	12.0
61	9.4	7.5	11.3
70	7.2	5.8	8.8

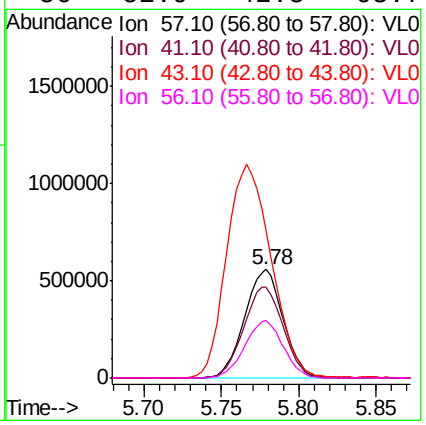


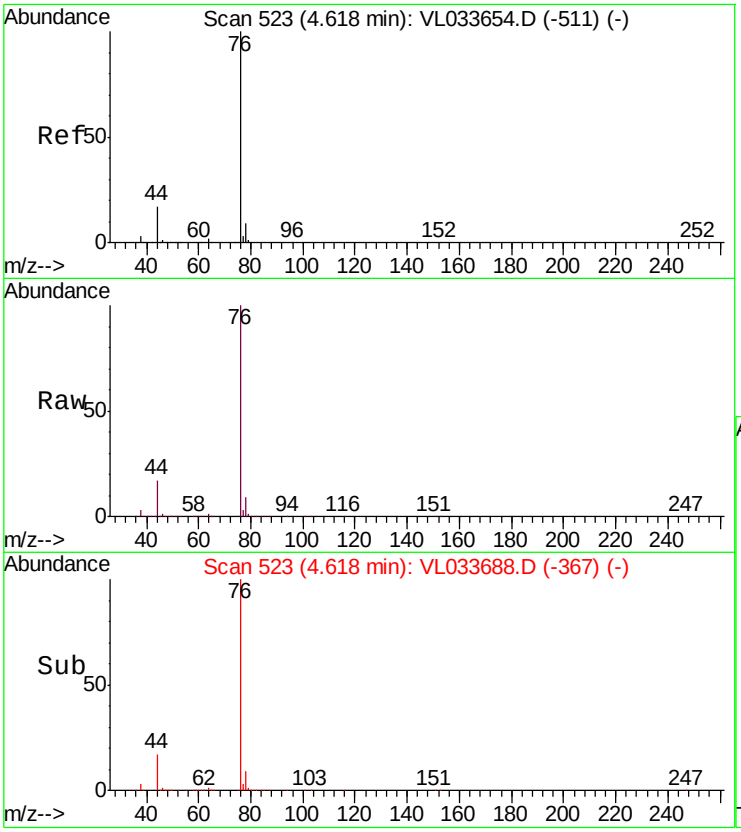


#26
Hexane
Concen: 10.033 ppbv
RT: 5.78 min Scan# 884
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 57 Resp: 963956

Ion	Ratio	Lower	Upper
57	100		
41	86.6	69.7	104.5
43	228.3	181.9	272.9
56	52.9	42.5	63.7



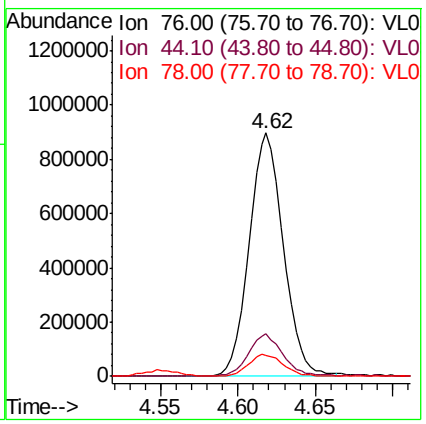


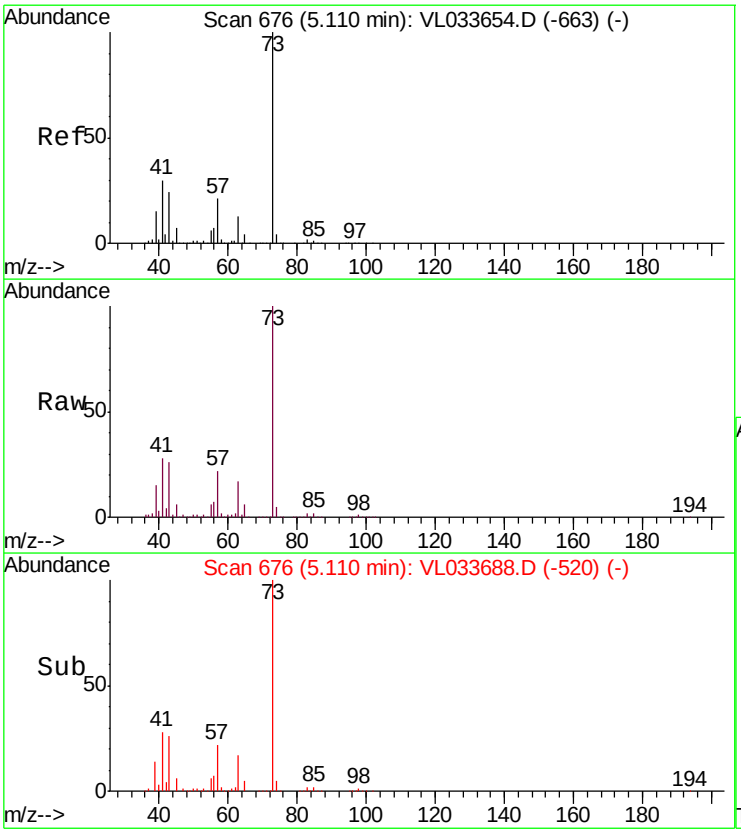
#27
Carbon Disulfide
Concen: 10.525 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 76 Resp: 1383082

Ion	Ratio	Lower	Upper
76	100		
44	17.2	14.4	21.6
78	9.1	7.4	11.2

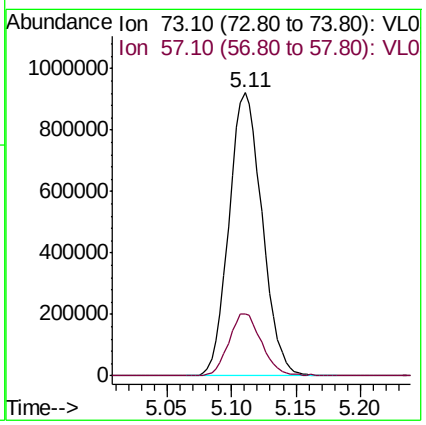


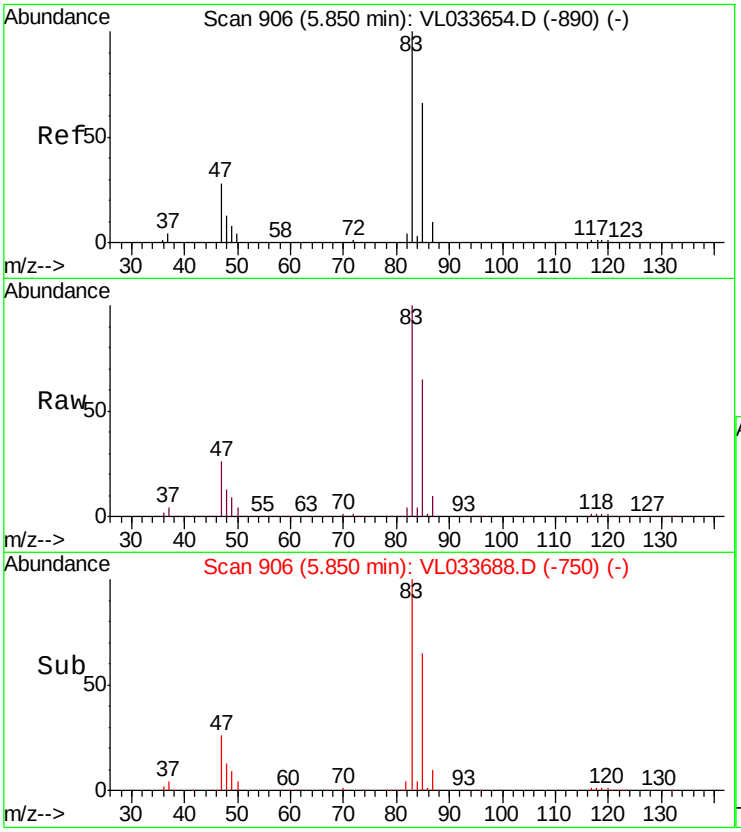


#28
Methyl tert-Butyl Ether
Concen: 10.187 ppbv
RT: 5.11 min Scan# 676
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 73 Resp: 1648335

Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.4	26.0



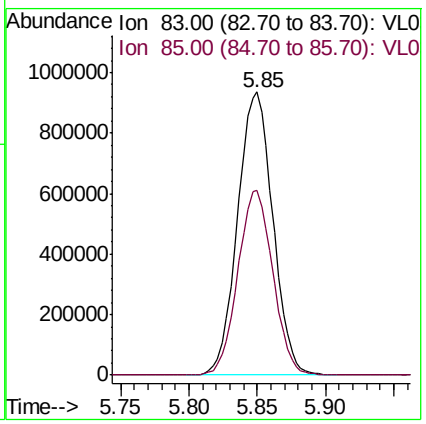


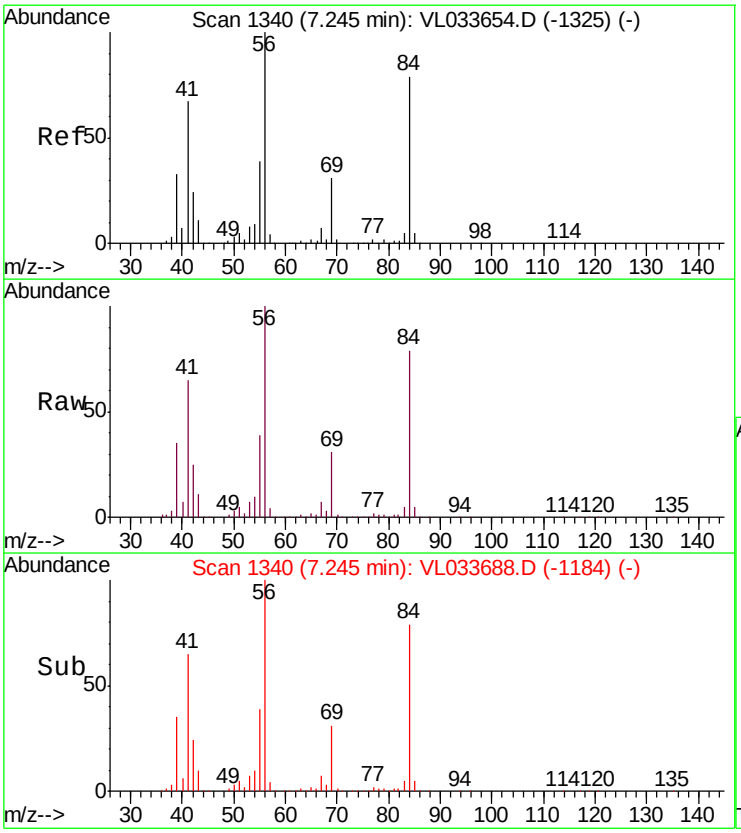
#29
Chloroform
Concen: 9.732 ppbv
RT: 5.85 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 83 Resp: 1681068

Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.6	78.8

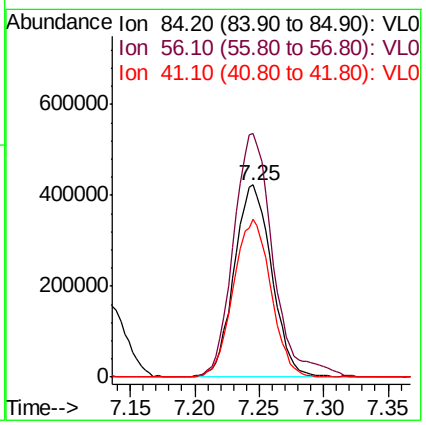


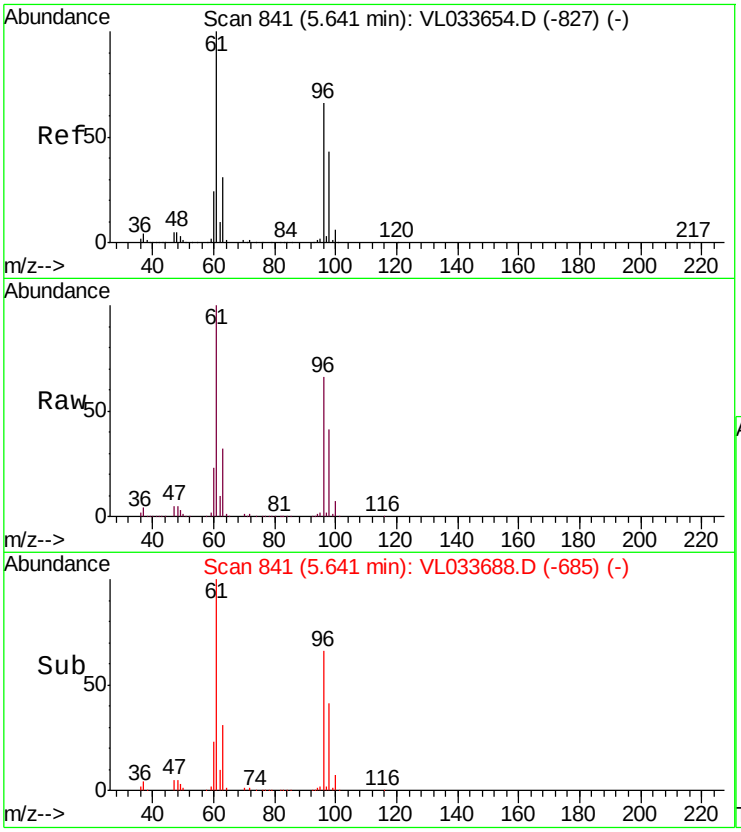


#30
Cyclohexane
Concen: 10.621 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 84 Resp: 856932

Ion	Ratio	Lower	Upper
84	100		
56	133.7	107.0	160.4
41	82.4	66.6	99.8



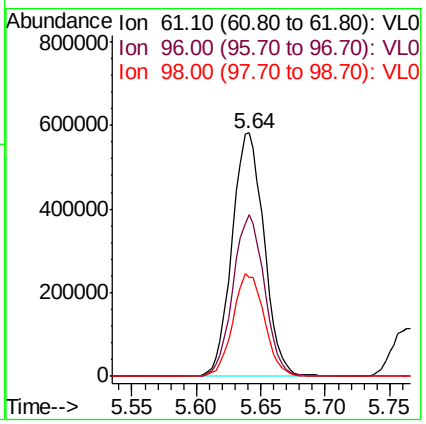


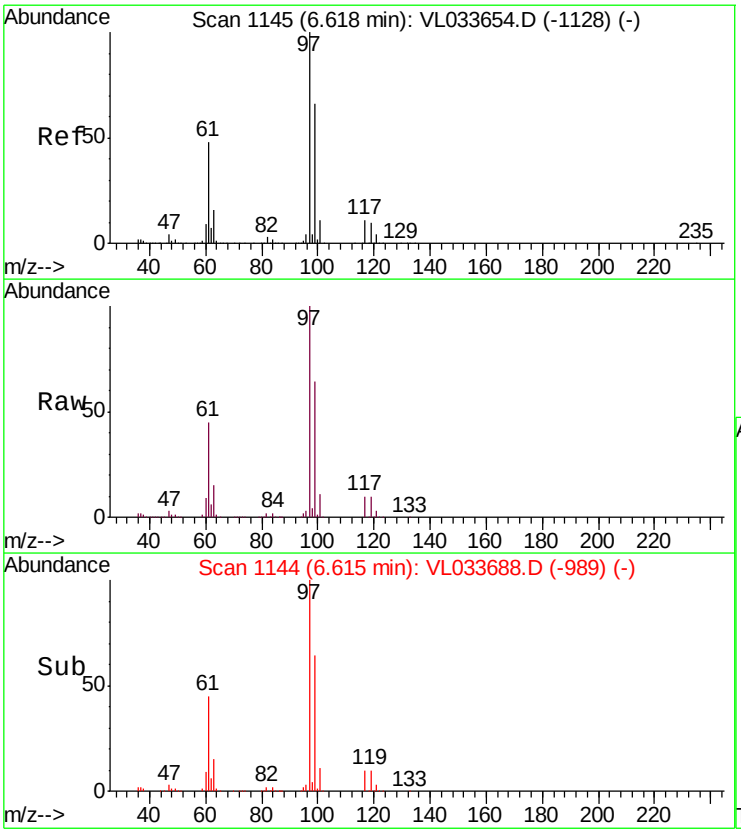
#31
cis-1,2-Dichloroethene
Concen: 10.512 ppbv
RT: 5.64 min Scan# 841
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 61 Resp: 1004751

Ion	Ratio	Lower	Upper
61	100		
96	66.4	53.2	79.8
98	40.6	34.2	51.4

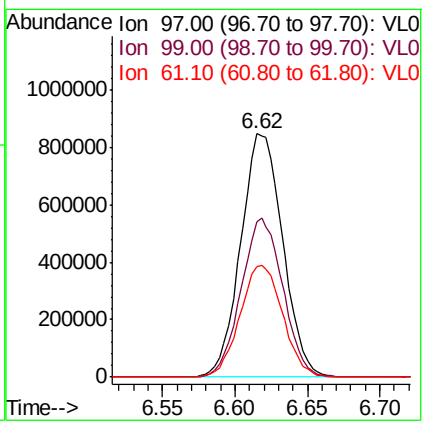


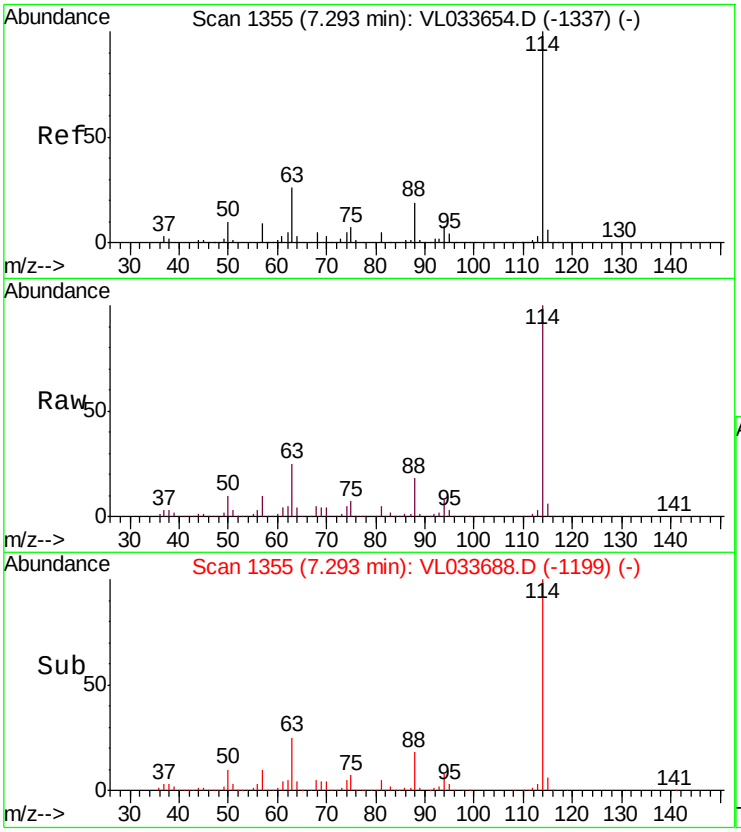


#32
1,1,1-Trichloroethane
Concen: 9.592 ppbv
RT: 6.62 min Scan# 1144
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 97 Resp: 1711069

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.2
61	46.8	38.5	57.7



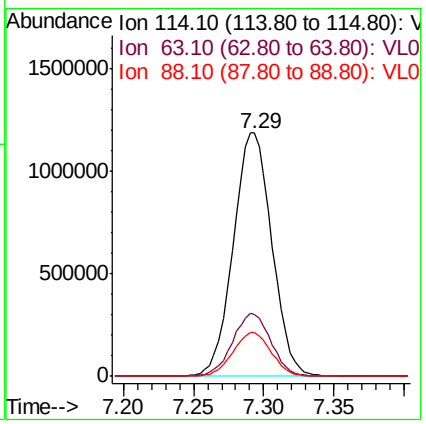


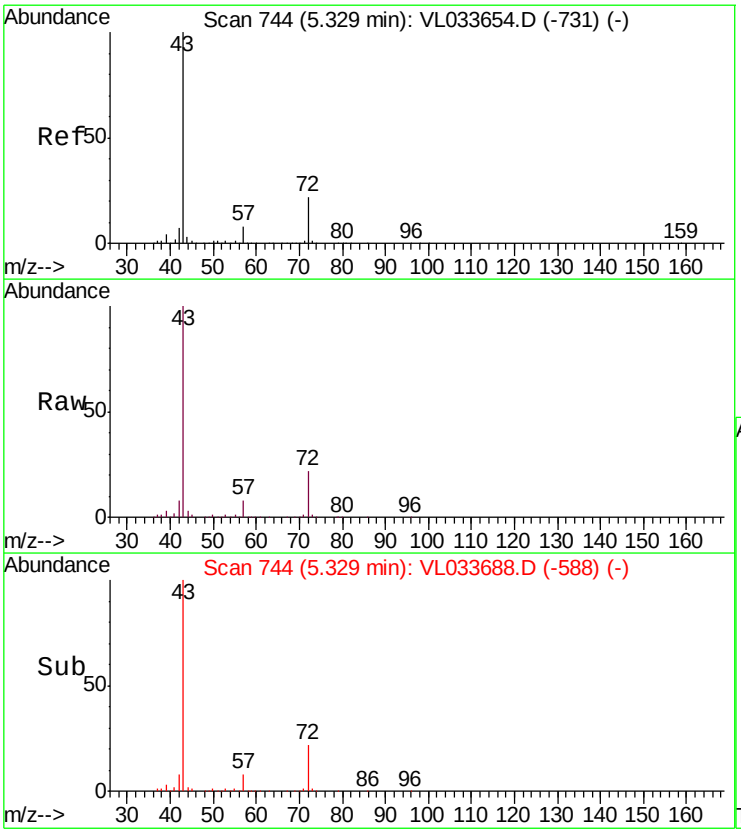
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion:114 Resp: 2269961

Ion	Ratio	Lower	Upper
114	100		
63	26.2	21.3	31.9
88	17.9	14.4	21.6

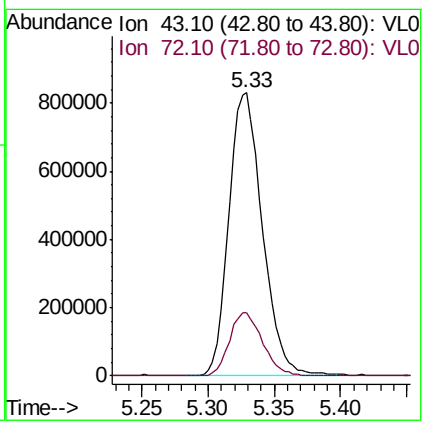


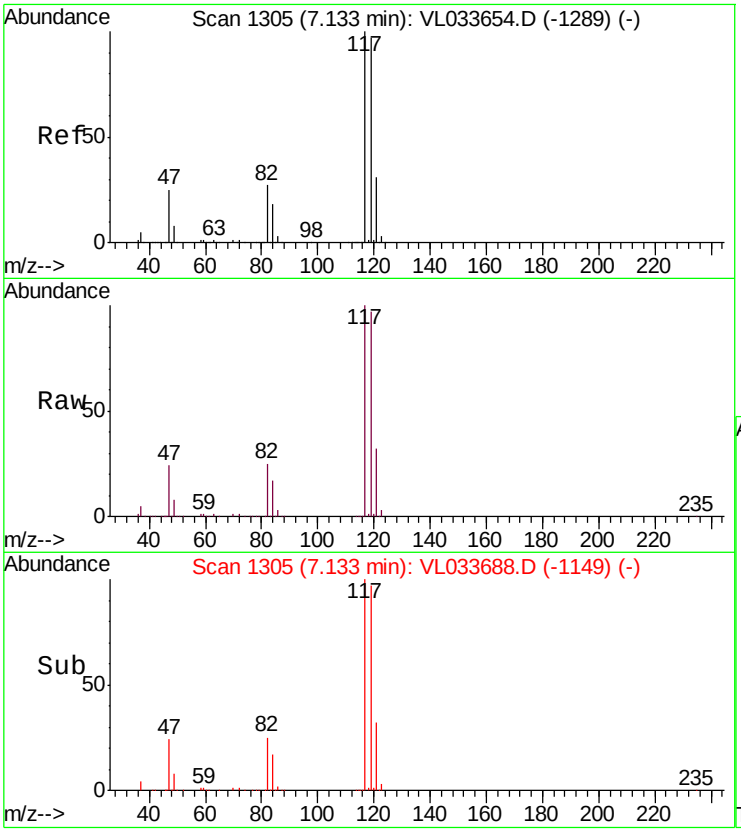


#34
2-Butanone
Concen: 10.008 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 43 Resp: 1454724

Ion	Ratio	Lower	Upper
43	100		
72	22.4	17.5	26.3



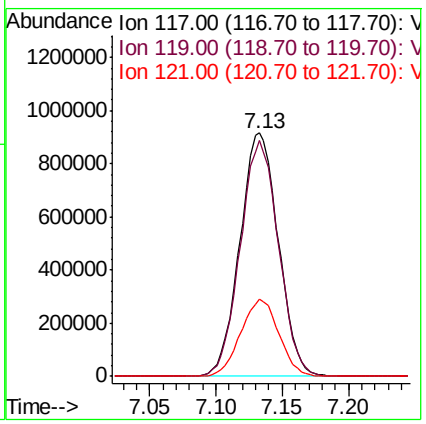


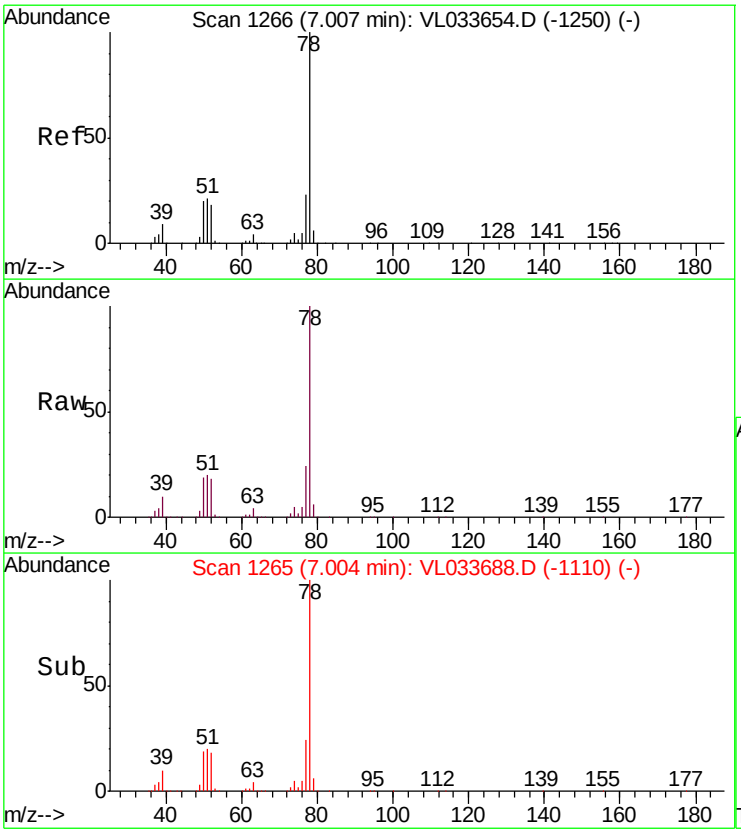
#35
Carbon Tetrachloride
Concen: 9.917 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion:117 Resp: 1850107

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.9	116.9
121	31.9	25.0	37.6

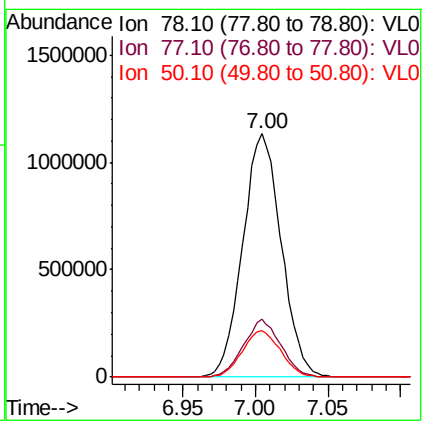


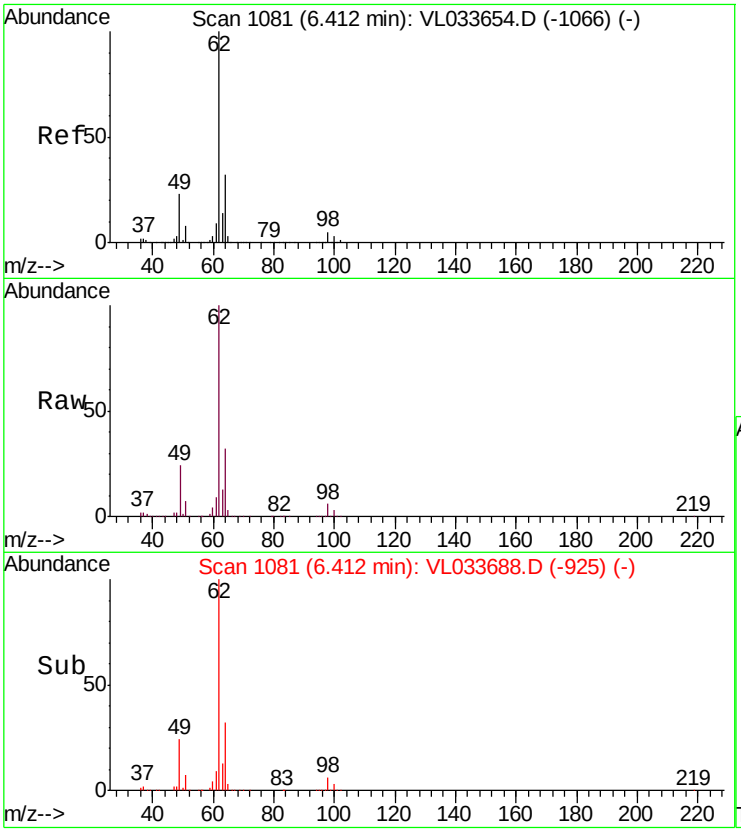


#36
Benzene
Concen: 10.301 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 78 Resp: 2096692

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.2	27.2
50	19.2	15.8	23.6



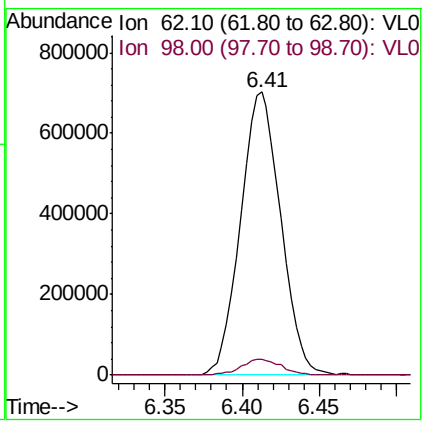


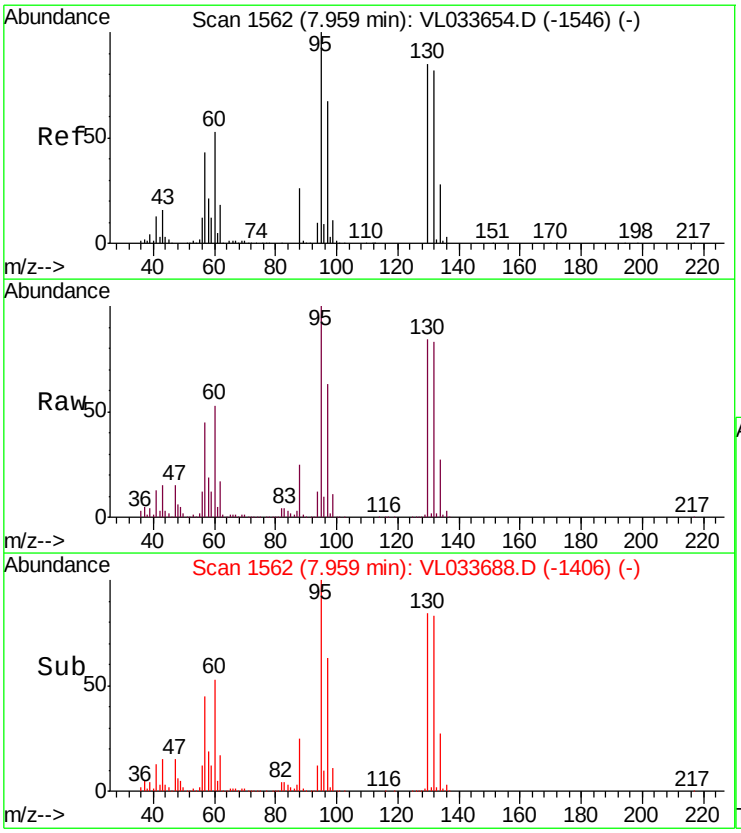
#37
1,2-Dichloroethane
Concen: 8.939 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument : MSVOA_L
ClientSampleId : VL0514ABS01

Tgt Ion: 62 Resp: 1269579

Ion	Ratio	Lower	Upper
62	100		
98	5.6	4.5	6.7

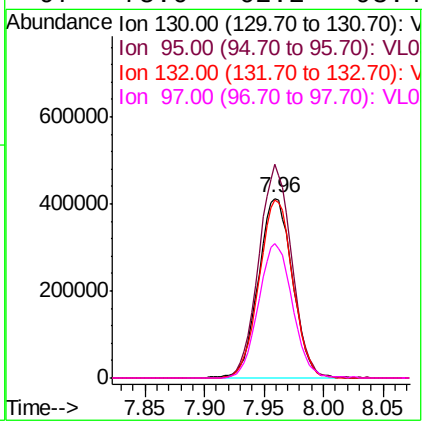


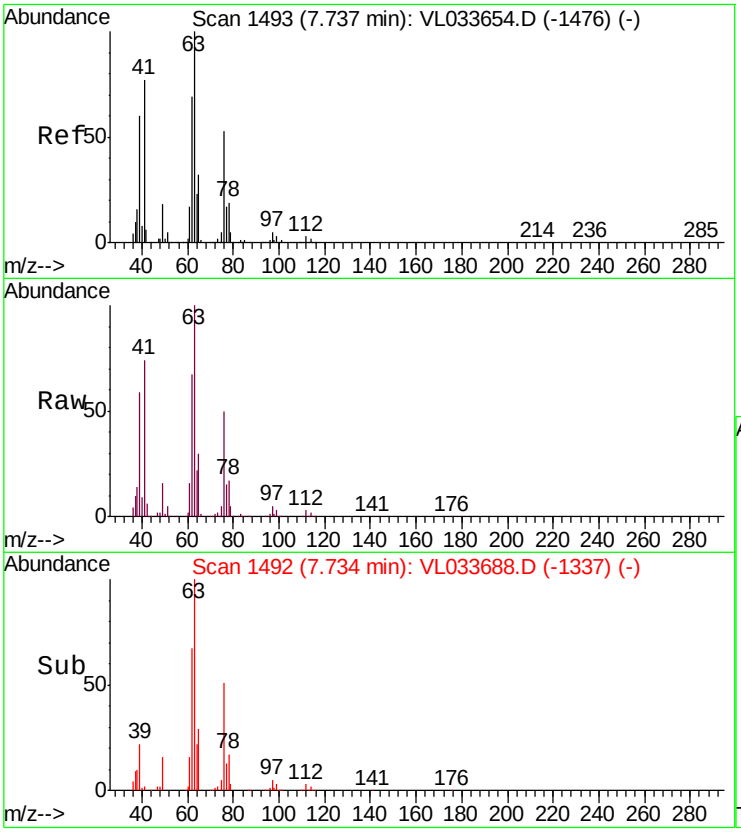


#38
Trichloroethene
Concen: 11.024 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion:130 Resp: 823128

Ion	Ratio	Lower	Upper
130	100		
95	118.8	93.4	140.0
132	98.7	76.2	114.4
97	75.0	62.2	93.4



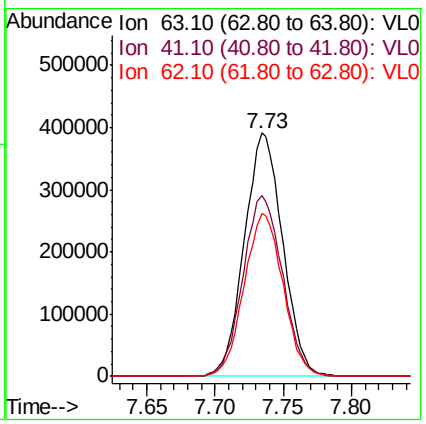


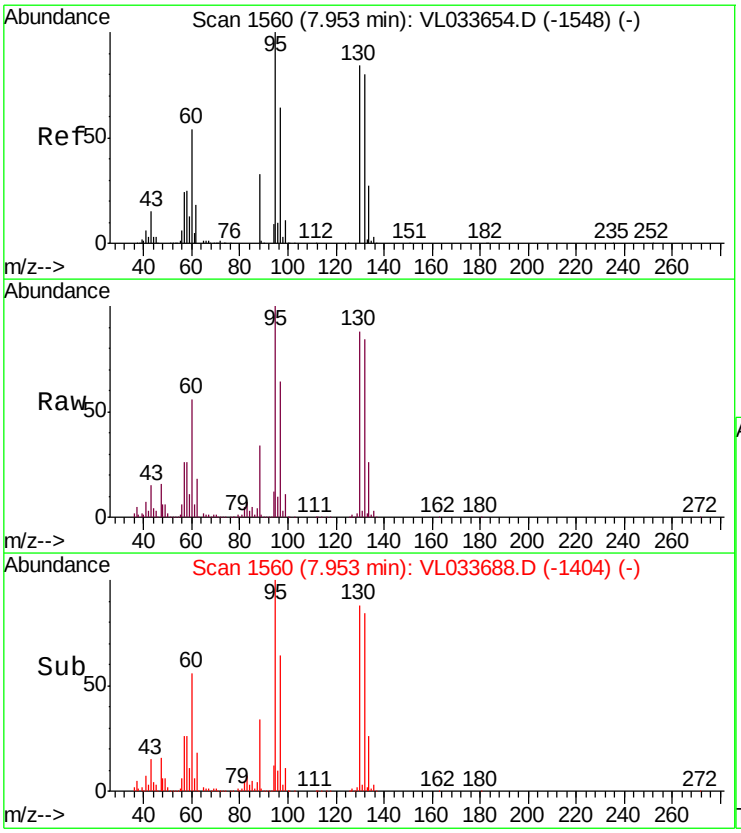
#39
1,2-Dichloropropane
Concen: 10.083 ppbv
RT: 7.73 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument : MSVOA_L
ClientSampleId : VL0514ABS01

Tgt Ion: 63 Resp: 764917

Ion	Ratio	Lower	Upper
63	100		
41	74.2	61.6	92.4
62	66.9	55.0	82.6

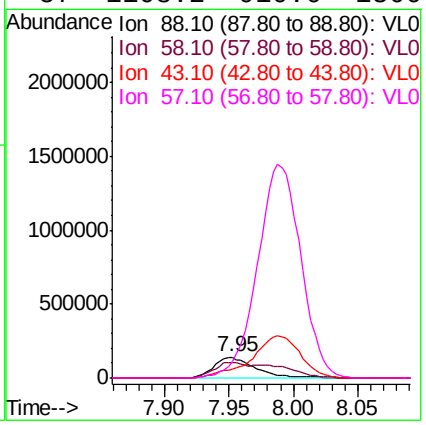


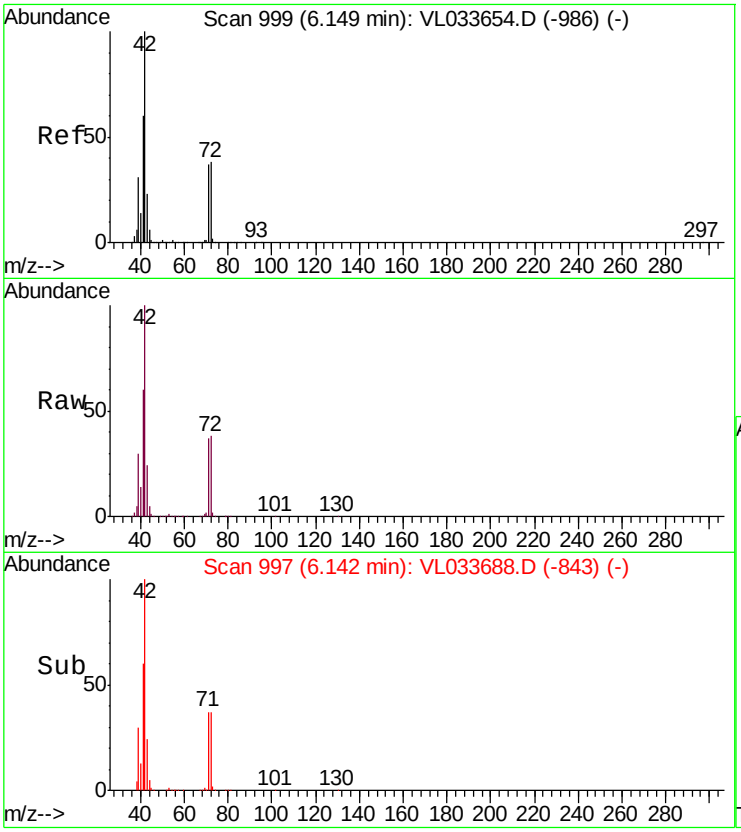


#40
1,4-Dioxane
Concen: 10.111 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 88 Resp: 306552

Ion	Ratio	Lower	Upper
88	100		
58	127.3	102.3	153.5
43	244.3	206.1	309.1
57	1108.2	910.6	1366.0



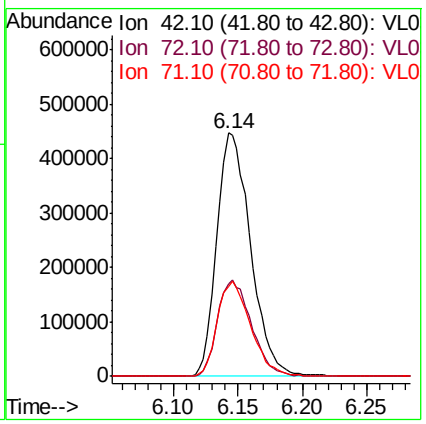


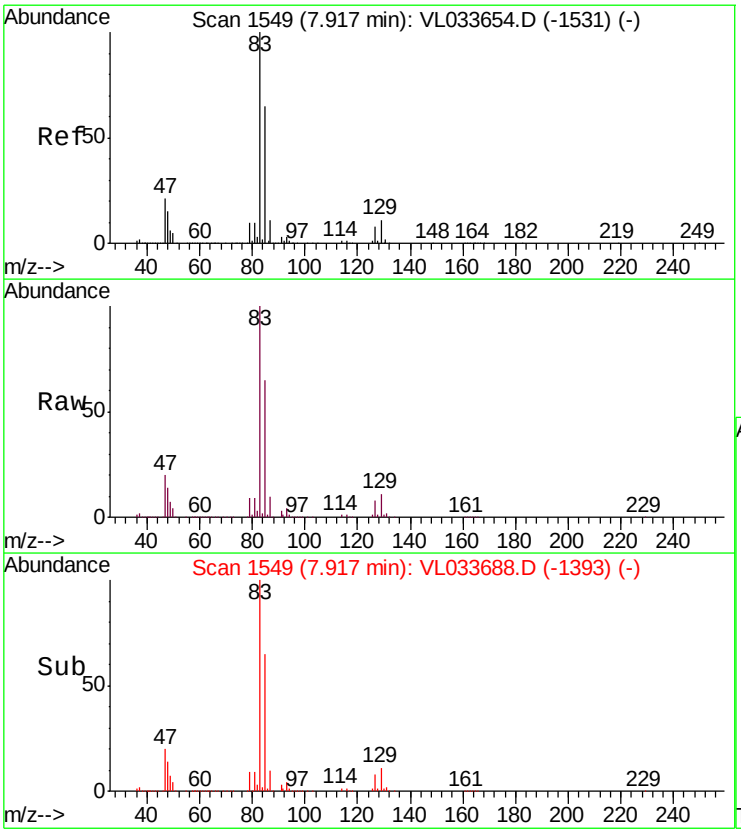
#41
Tetrahydrofuran
Concen: 10.831 ppbv
RT: 6.14 min Scan# 997
Delta R.T. -0.01 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 42 Resp: 813570

Ion	Ratio	Lower	Upper
42	100		
72	39.8	31.6	47.4
71	38.9	30.6	46.0

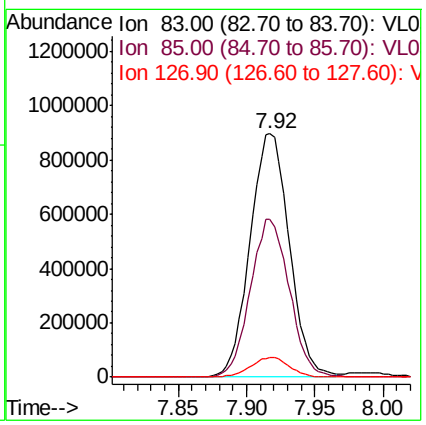


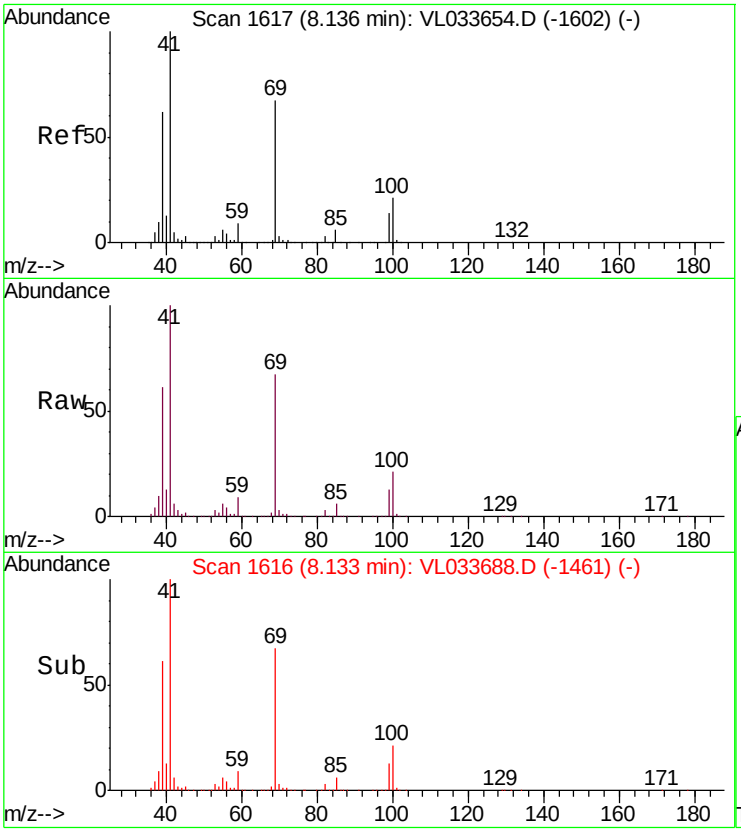


#42
Bromodichloromethane
Concen: 9.776 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 83 Resp: 1792664

Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.4	78.6
127	7.9	6.6	9.8



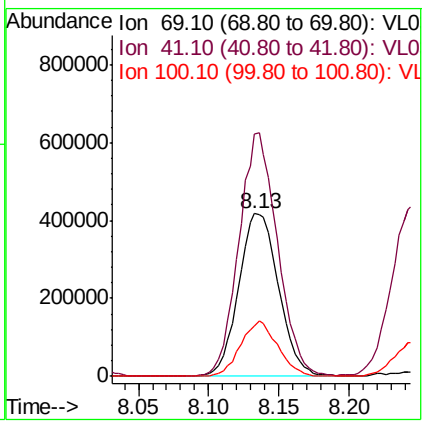


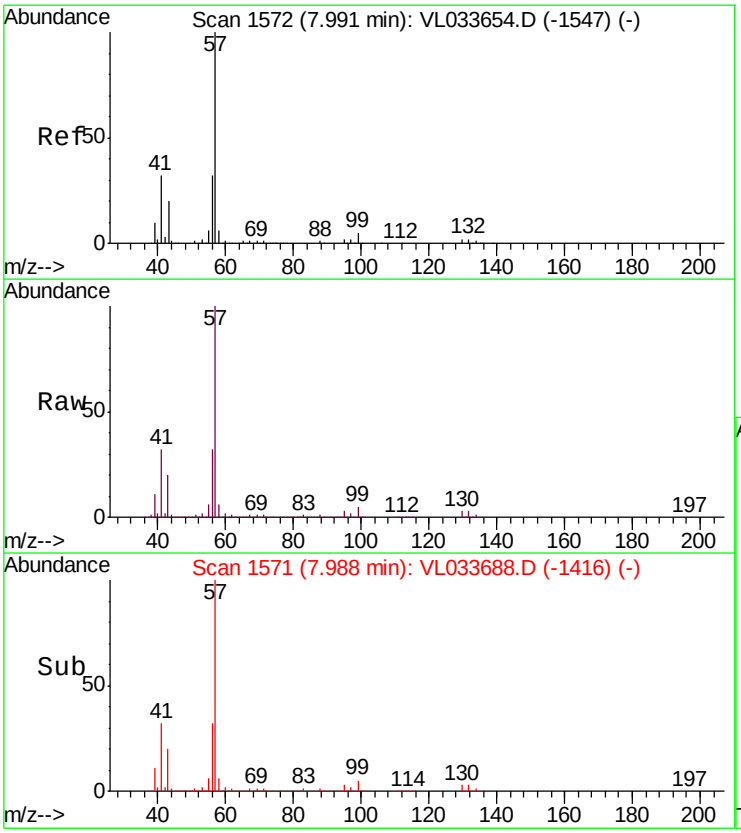
#43
Methyl Methacrylate
Concen: 10.844 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument : MSVOA_L
ClientSampleId : VL0514ABS01

Tgt Ion: 69 Resp: 830288

Ion	Ratio	Lower	Upper
69	100		
41	144.2	116.6	175.0
100	31.7	24.6	37.0

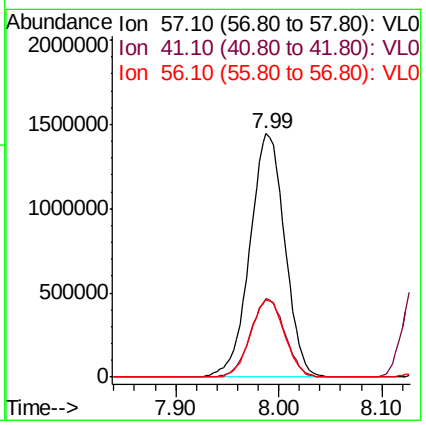


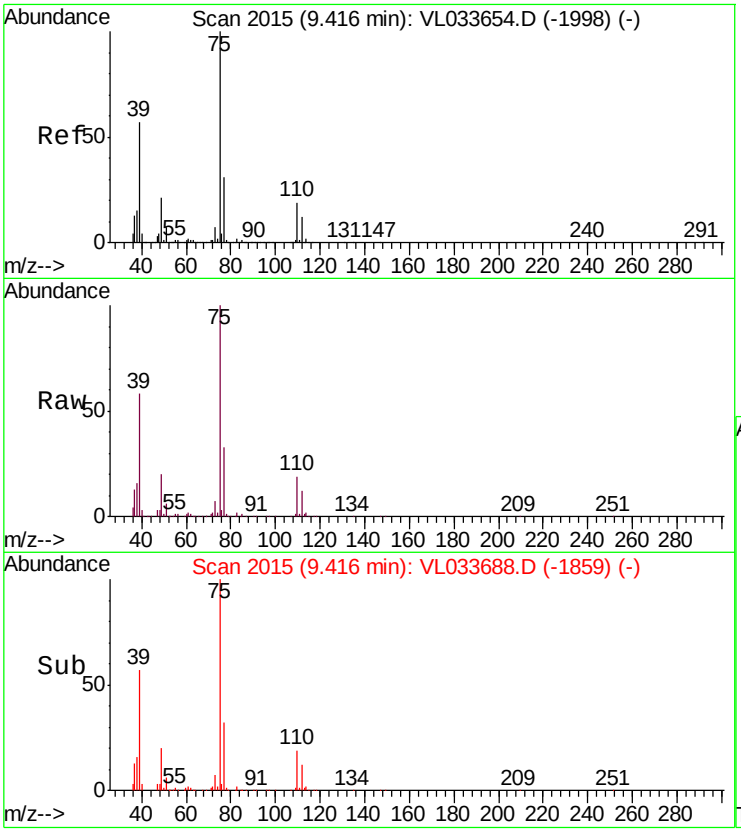


#44
2,2,4-Trimethylpentane
Concen: 9.749 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 57 Resp: 3392889

Ion	Ratio	Lower	Upper
57	100		
41	31.7	25.7	38.5
56	31.0	25.0	37.6



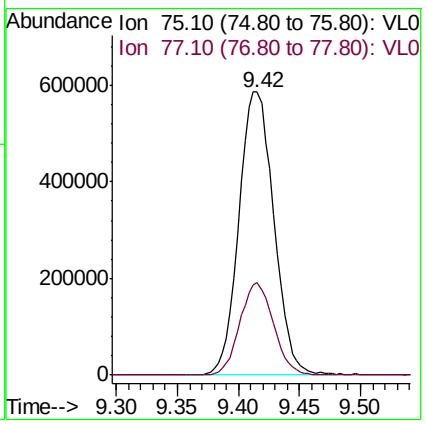


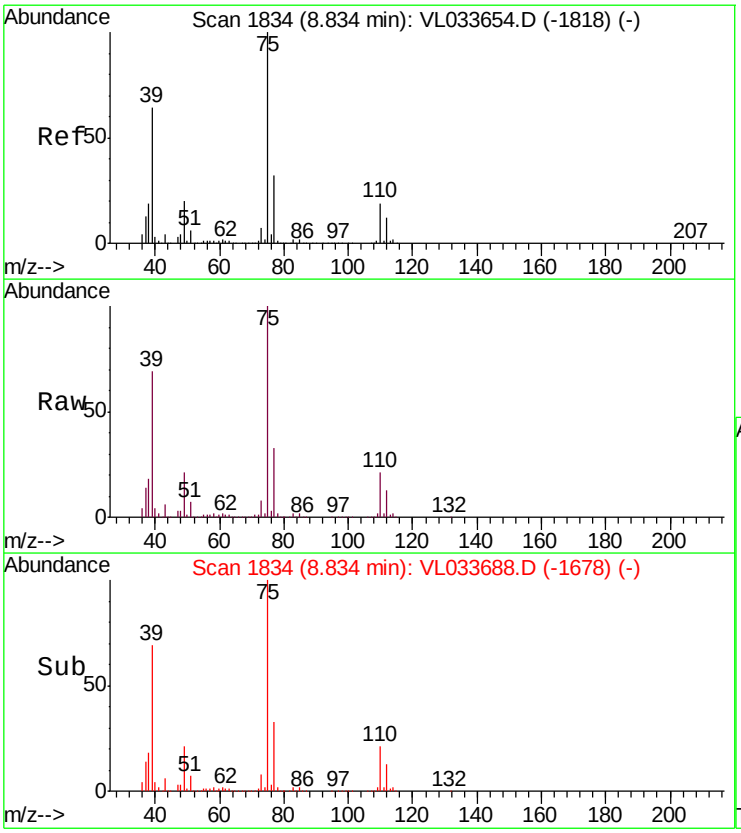
#45
t-1,3-Dichloropropene
Concen: 12.299 ppbv
RT: 9.42 min Scan# 2015
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument : MSVOA_L
ClientSampleId : VL0514ABS01

Tgt Ion: 75 Resp: 1155760

Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.7	37.1

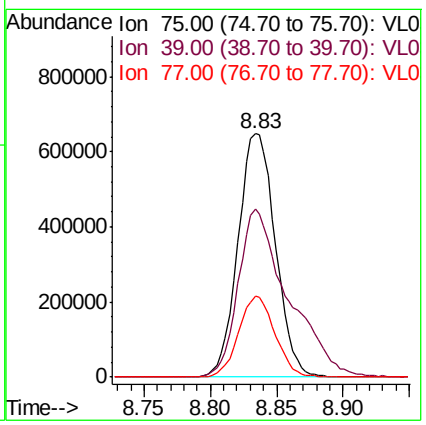


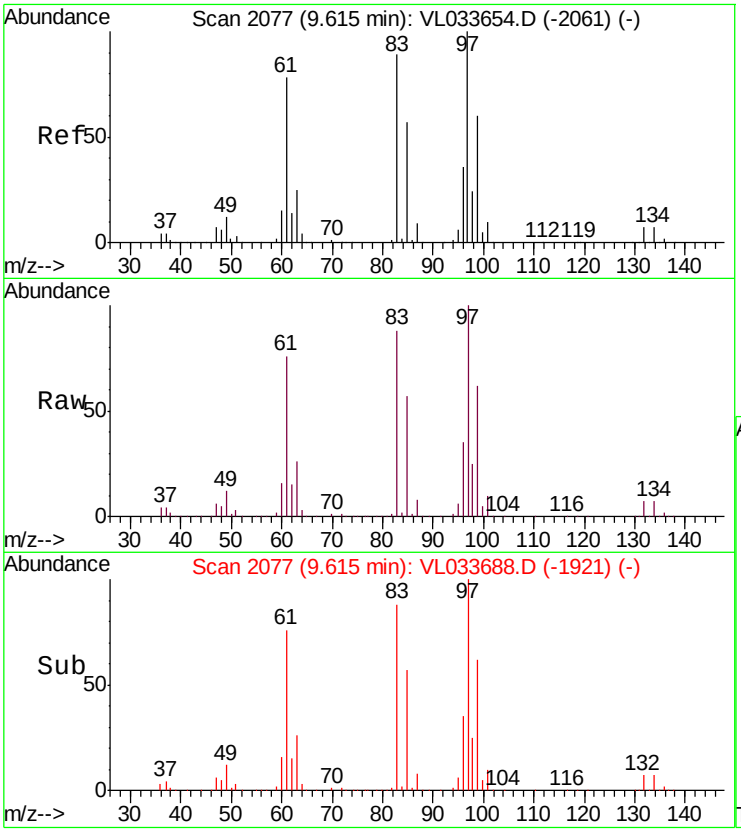


#46
cis-1,3-Dichloropropene
Concen: 10.861 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 75 Resp: 1273758

Ion	Ratio	Lower	Upper
75	100		
39	69.1	51.5	77.3
77	33.1	25.4	38.0



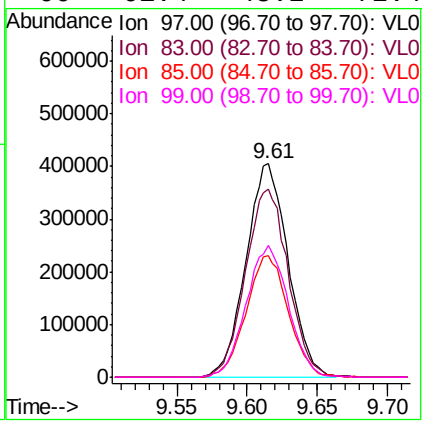


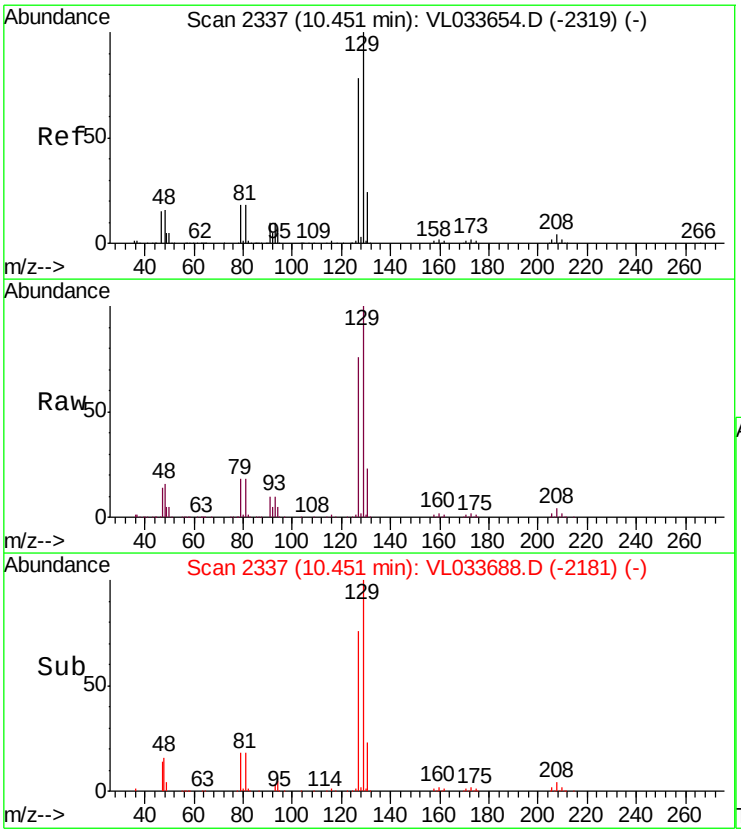
#47
1,1,2-Trichloroethane
Concen: 9.716 ppbv
RT: 9.61 min Scan# 2077
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 97 Resp: 846482

Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.9	106.3
85	57.0	45.8	68.6
99	61.4	48.2	72.4

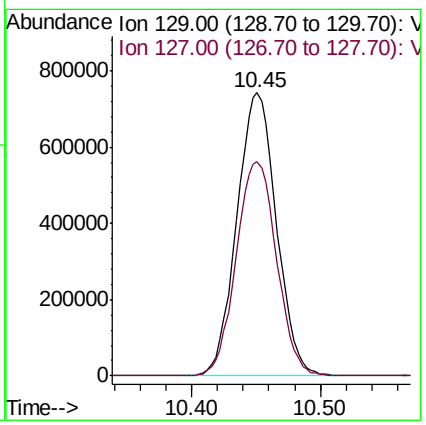


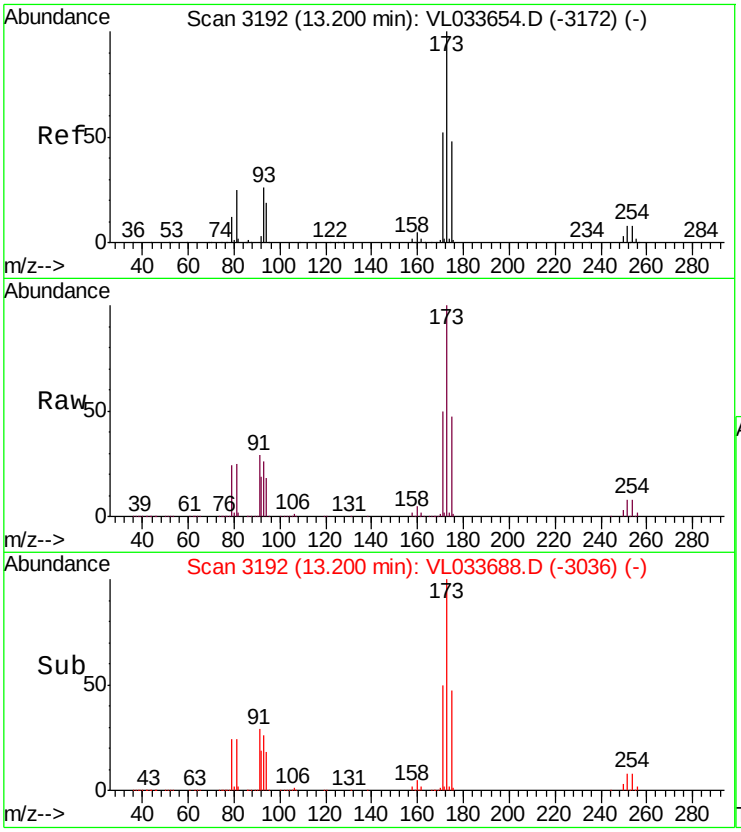


#48
Dibromochloromethane
Concen: 10.745 ppbv
RT: 10.45 min Scan# 2337
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion:129 Resp: 1586793

Ion	Ratio	Lower	Upper
129	100		
127	77.5	39.1	117.2



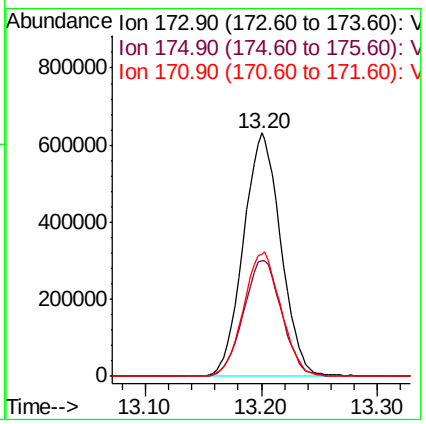


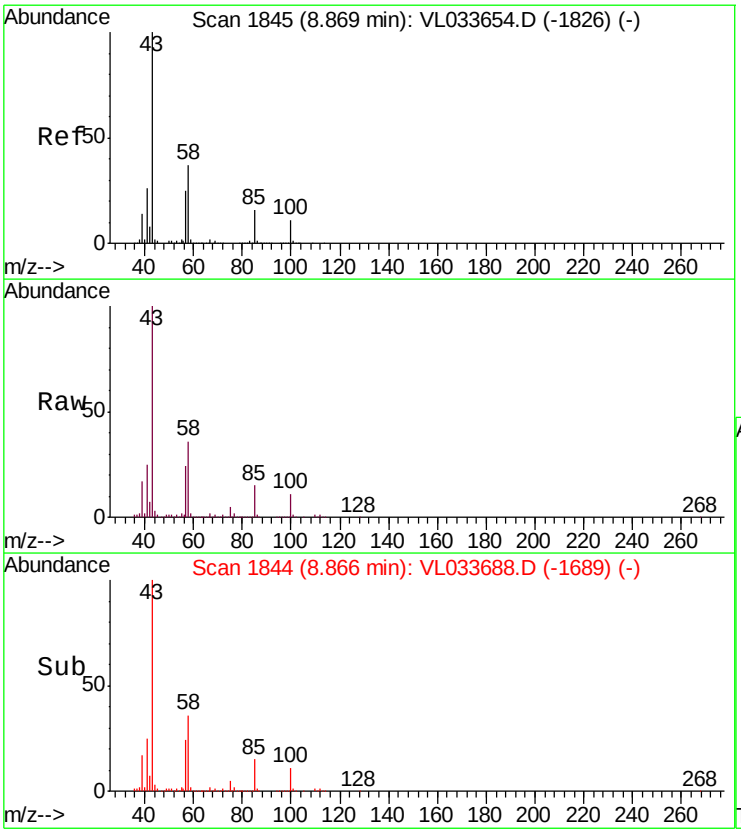
#49
Bromoform
Concen: 11.052 ppbv
RT: 13.20 min Scan# 3192
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion:173 Resp: 1417721

Ion	Ratio	Lower	Upper
173	100		
175	48.7	39.3	58.9
171	51.4	41.5	62.3

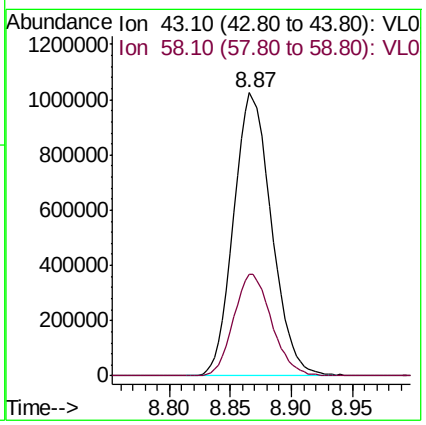


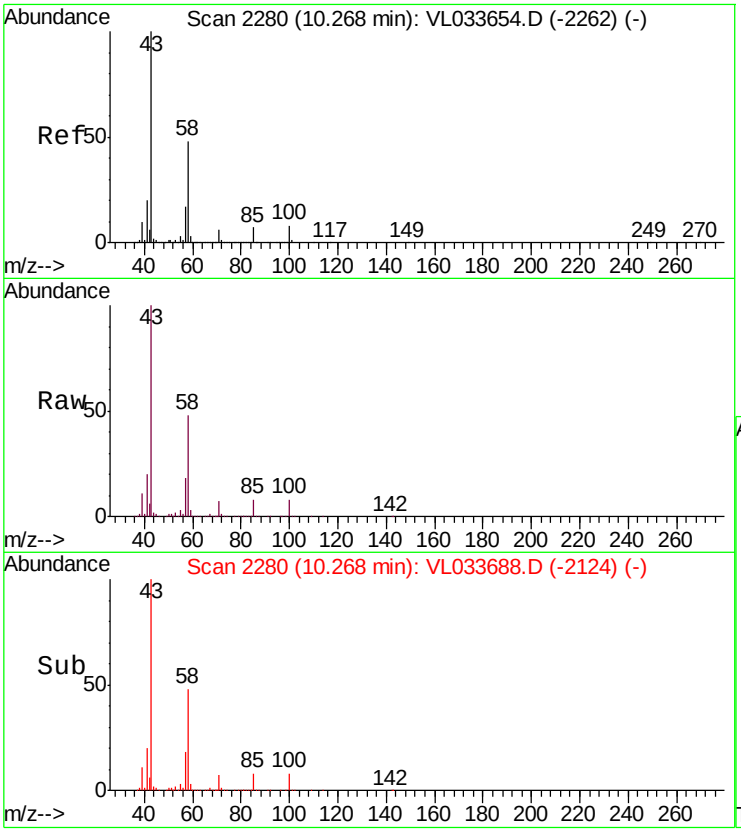


#50
4-Methyl-2-Pentanone
Concen: 10.013 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 43 Resp: 2203914

Ion	Ratio	Lower	Upper
43	100		
58	35.9	28.8	43.2



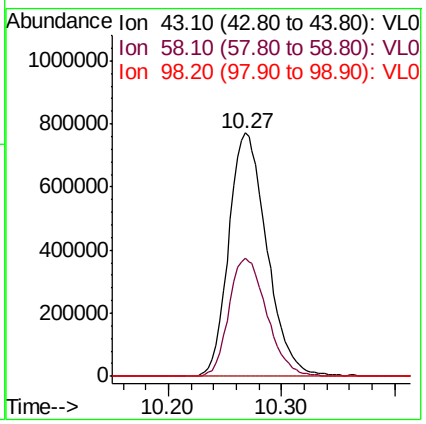


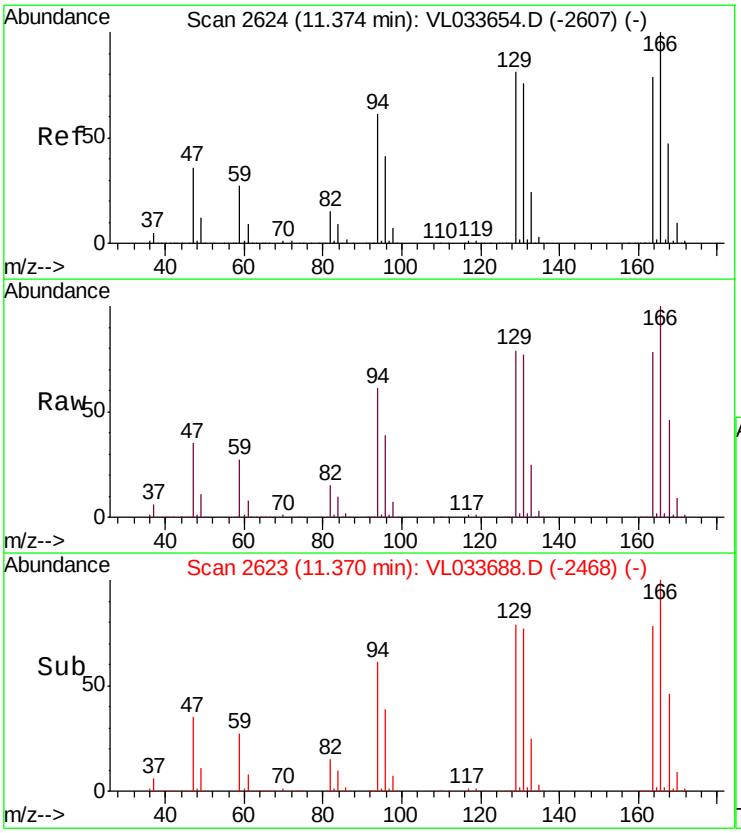
#51
2-Hexanone
Concen: 10.592 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument : MSVOA_L
ClientSampleId : VL0514ABS01

Tgt Ion: 43 Resp: 1806224

Ion	Ratio	Lower	Upper
43	100		
58	48.3	38.2	57.4
98	0.4	0.2	0.4#

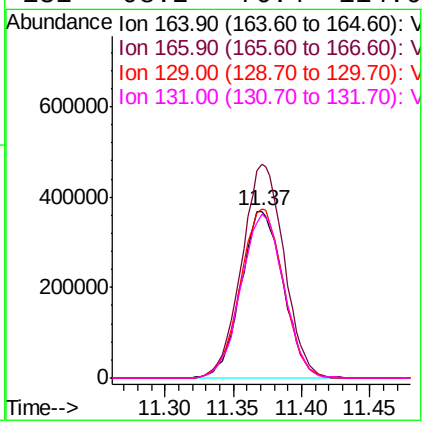


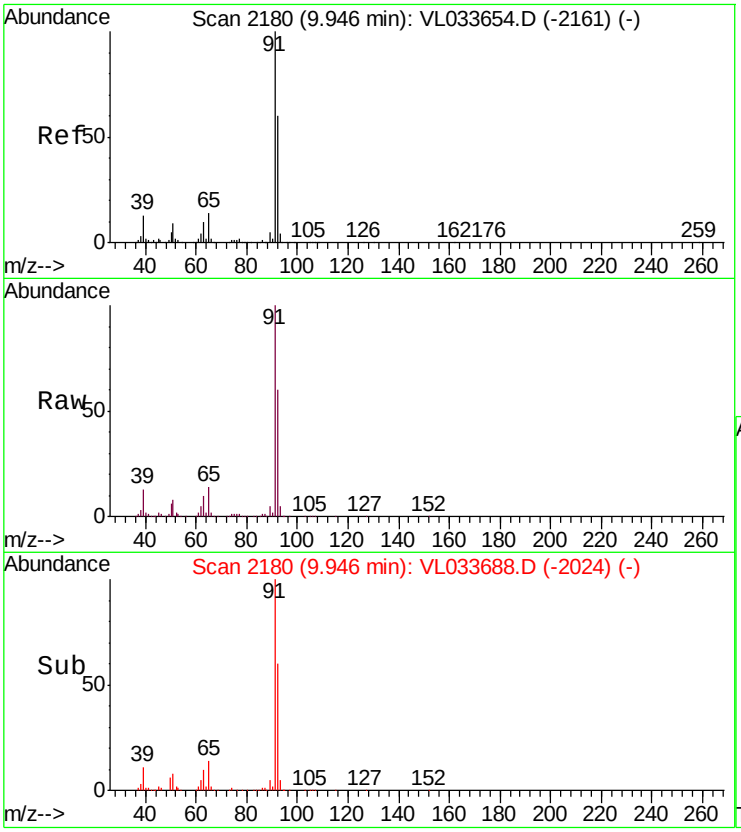


#52
Tetrachloroethene
Concen: 11.019 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion:164 Resp: 794638

Ion	Ratio	Lower	Upper
164	100		
166	127.8	100.6	151.0
129	101.4	81.0	121.6
131	98.2	76.4	114.6



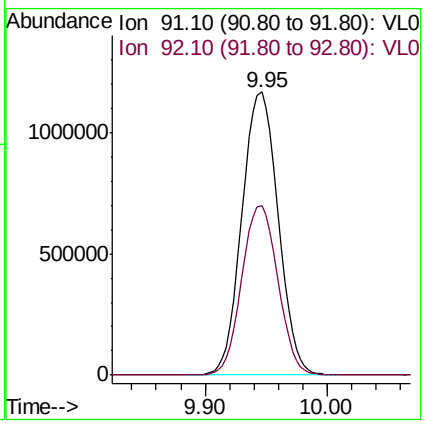


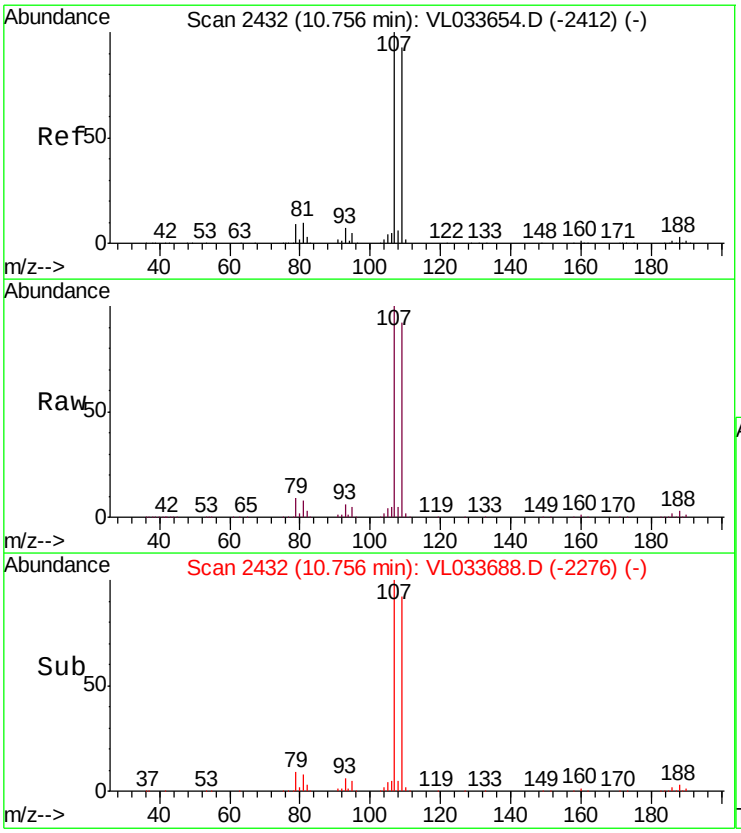
#53
Toluene
Concen: 10.889 ppbv
RT: 9.95 min Scan# 2180
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion: 91 Resp: 2394790

Ion	Ratio	Lower	Upper
91	100		
92	59.8	47.7	71.5

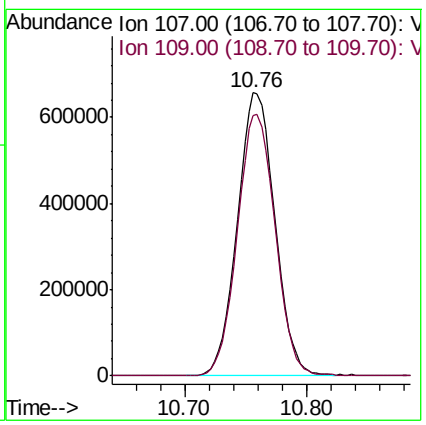


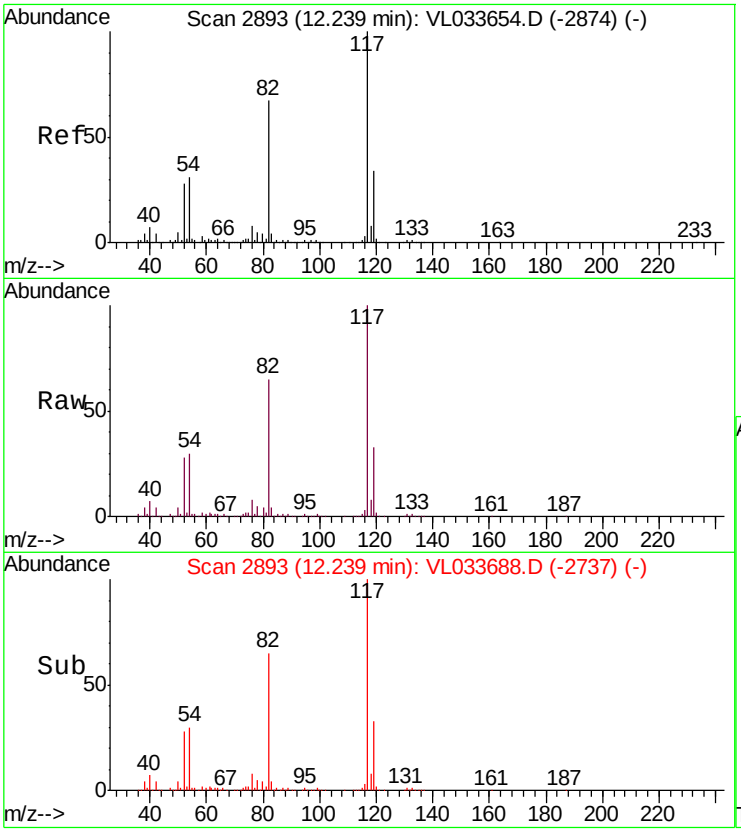


#54
1,2-Dibromoethane
Concen: 10.597 ppbv
RT: 10.76 min Scan# 2432
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion:107 Resp: 1390594

Ion	Ratio	Lower	Upper
107	100		
109	92.1	74.6	111.8



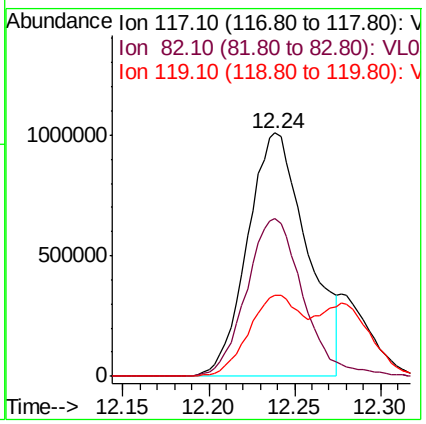


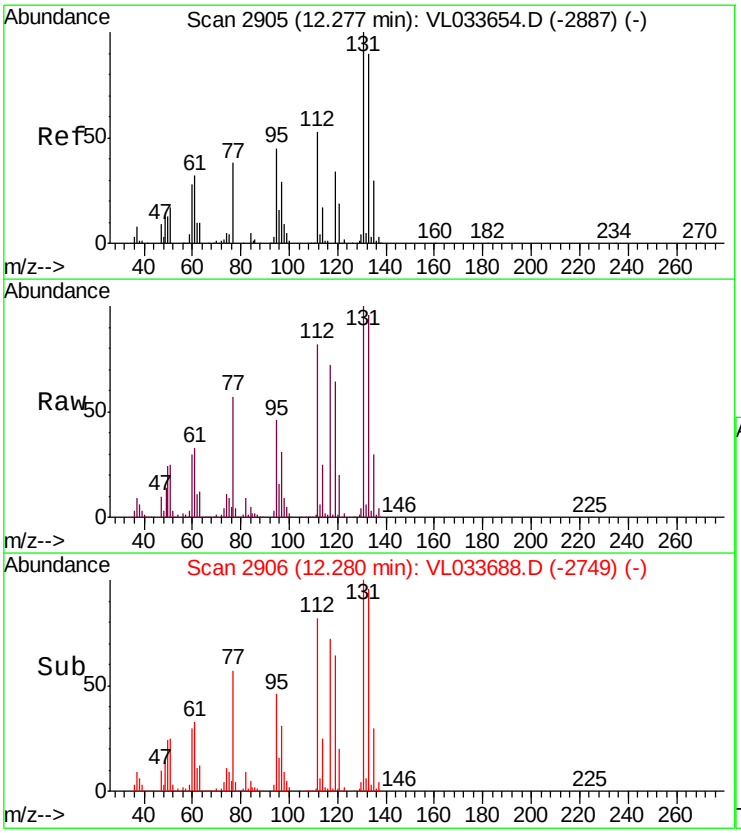
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument : MSVOA_L
ClientSampleId : VL0514ABS01

Tgt Ion:117 Resp: 2437252

Ion	Ratio	Lower	Upper
117	100		
82	61.8	49.7	74.5
119	31.4	24.8	37.2

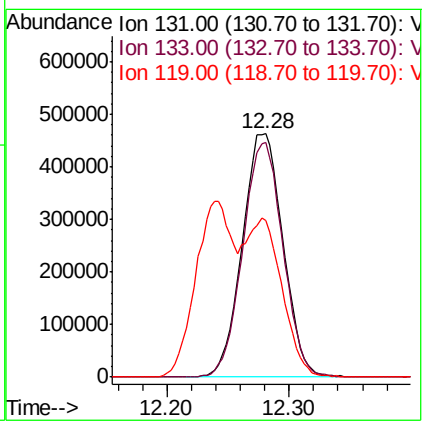


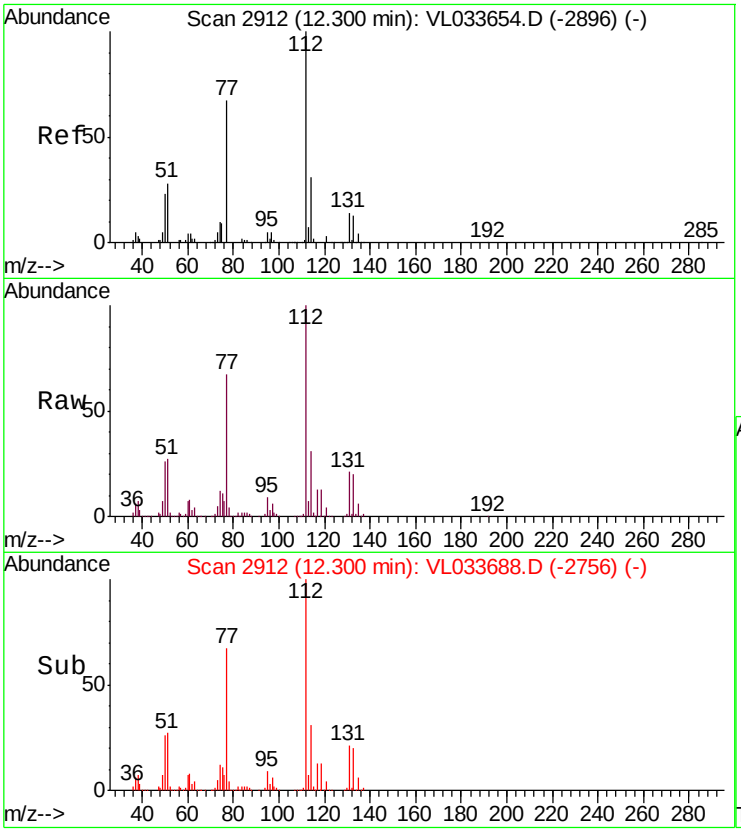


#56
1,1,1,2-Tetrachloroethane
Concen: 9.477 ppbv
RT: 12.28 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion:131 Resp: 1065396

Ion	Ratio	Lower	Upper
131	100		
133	95.2	76.0	114.0
119	56.6	45.4	68.2



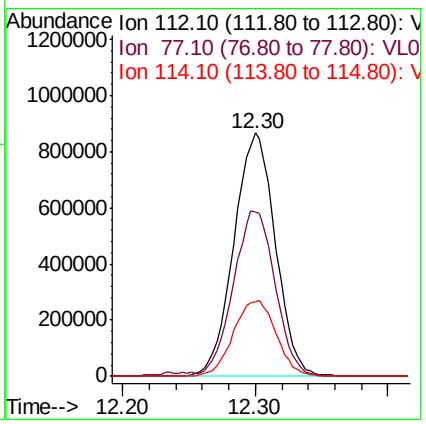


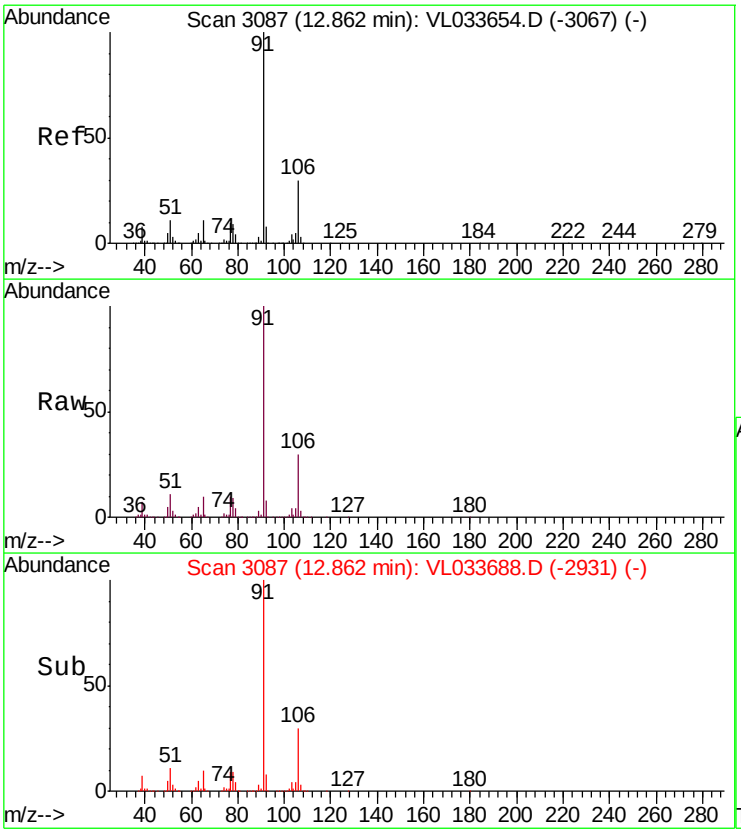
#57
Chlorobenzene
Concen: 9.426 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument : MSVOA_L
ClientSampleId : VL0514ABS01

Tgt Ion:112 Resp: 1886309

Ion	Ratio	Lower	Upper
112	100		
77	67.0	54.4	81.6
114	30.8	28.2	34.4

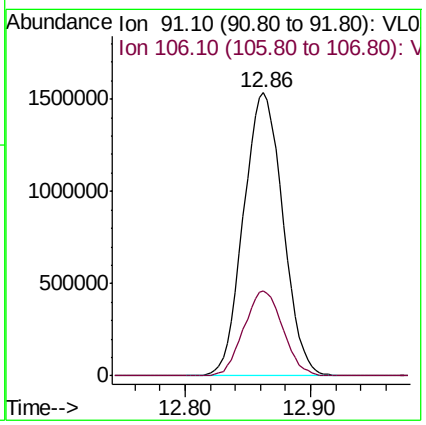


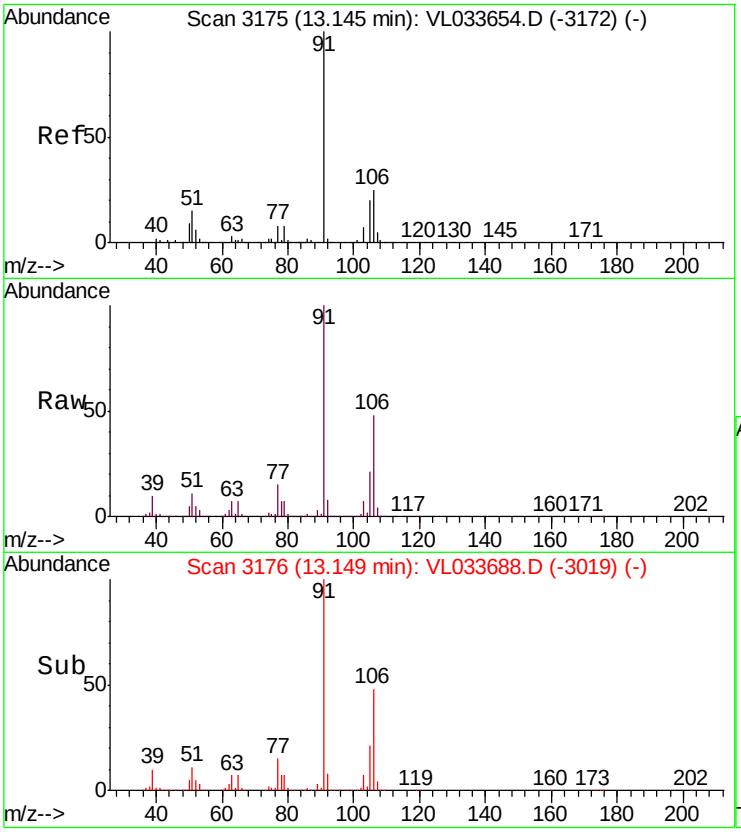


#58
Ethyl Benzene
Concen: 10.561 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 91 Resp: 3356794

Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.7	35.5



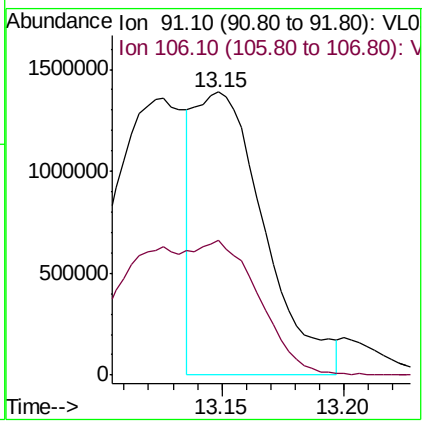


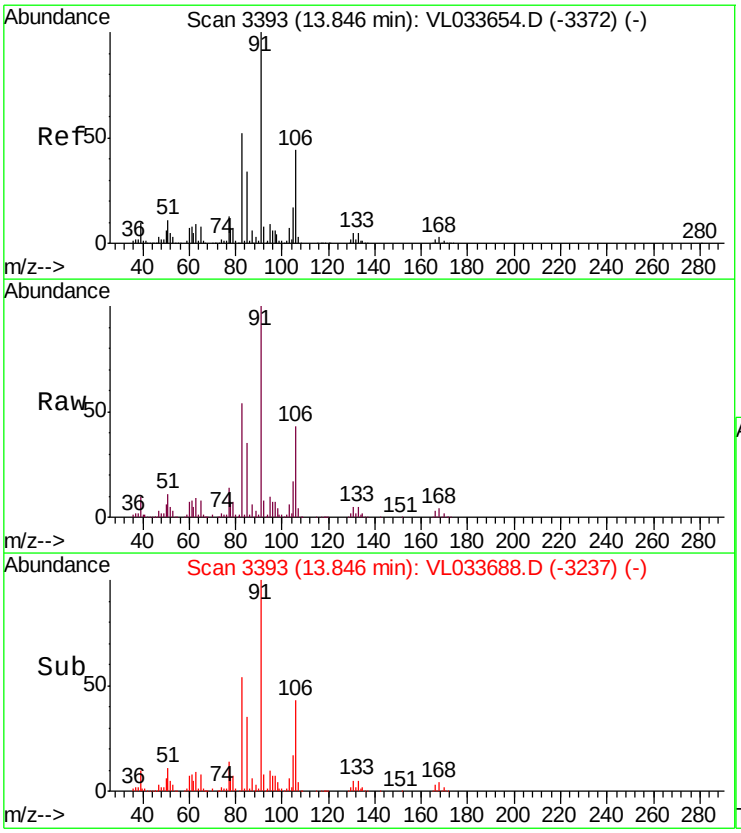
#59
m/p-Xylene
Concen: 9.814 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument : MSVOA_L
ClientSampleId : VL0514ABS01

Tgt Ion: 91 Resp: 2747495

Ion	Ratio	Lower	Upper
91	100		
106	91.7	36.2	54.2#

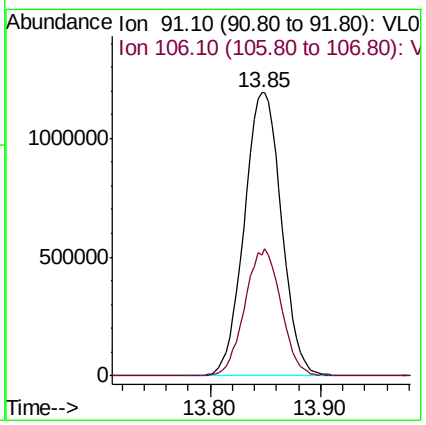


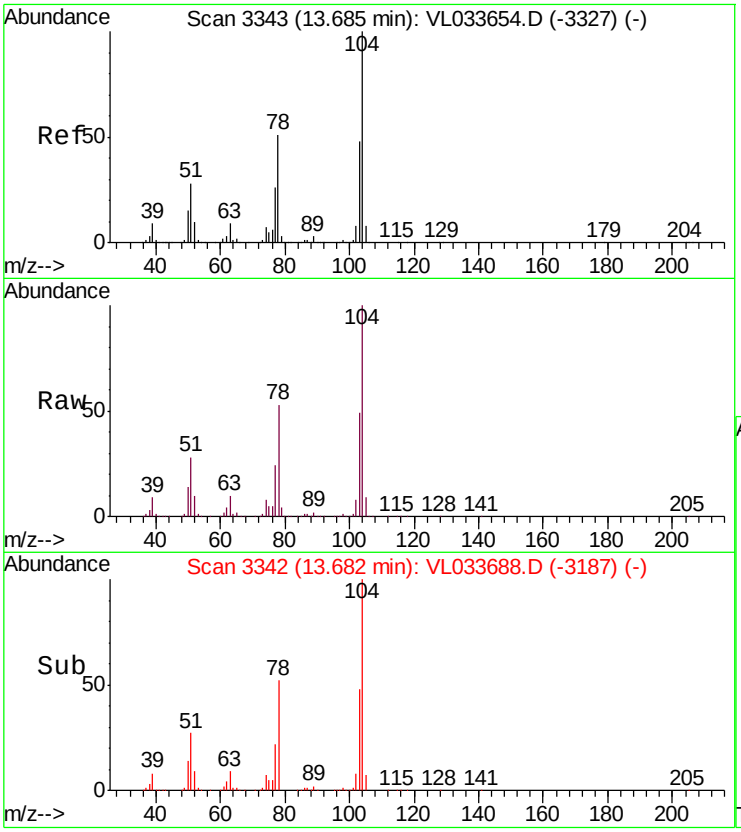


#60
o-Xylene
Concen: 9.847 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 91 Resp: 2789907

Ion	Ratio	Lower	Upper
91	100		
106	43.8	21.7	65.1



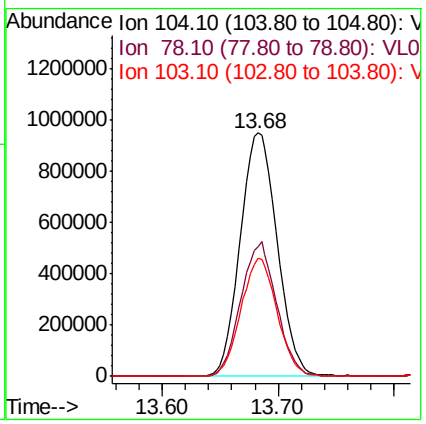


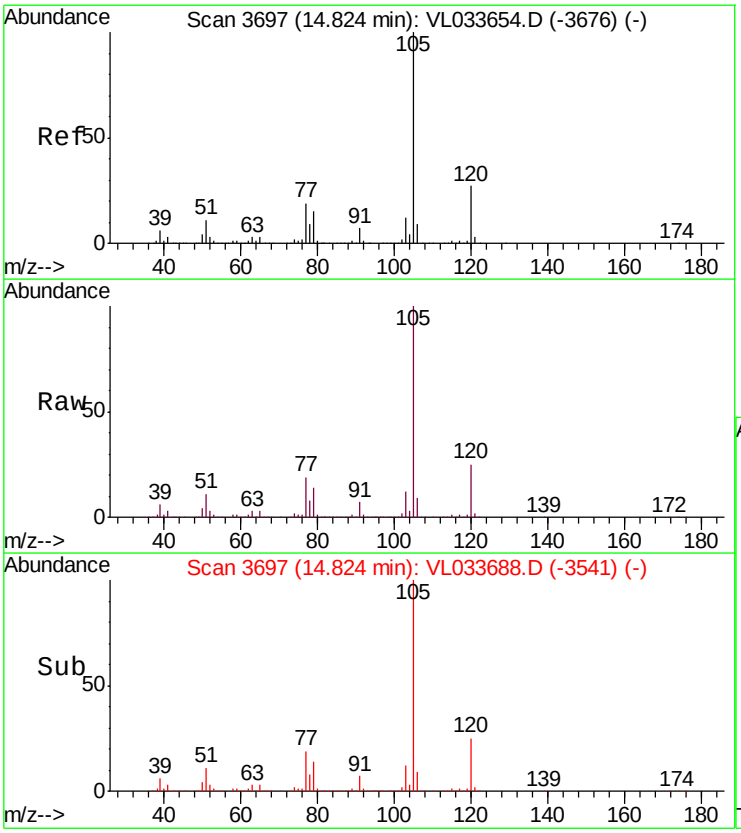
#61
Styrene
Concen: 11.169 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument : MSVOA_L
ClientSampleId : VL0514ABS01

Tgt Ion:104 Resp: 2107166

Ion	Ratio	Lower	Upper
104	100		
78	53.4	43.0	64.6
103	47.5	38.1	57.1

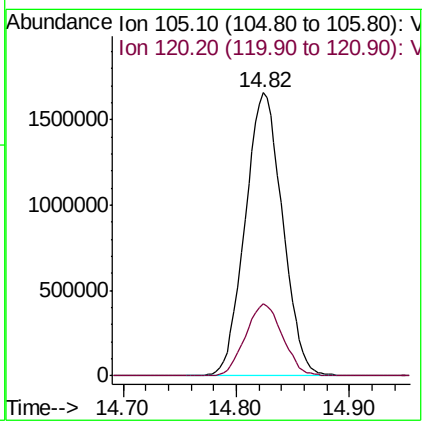


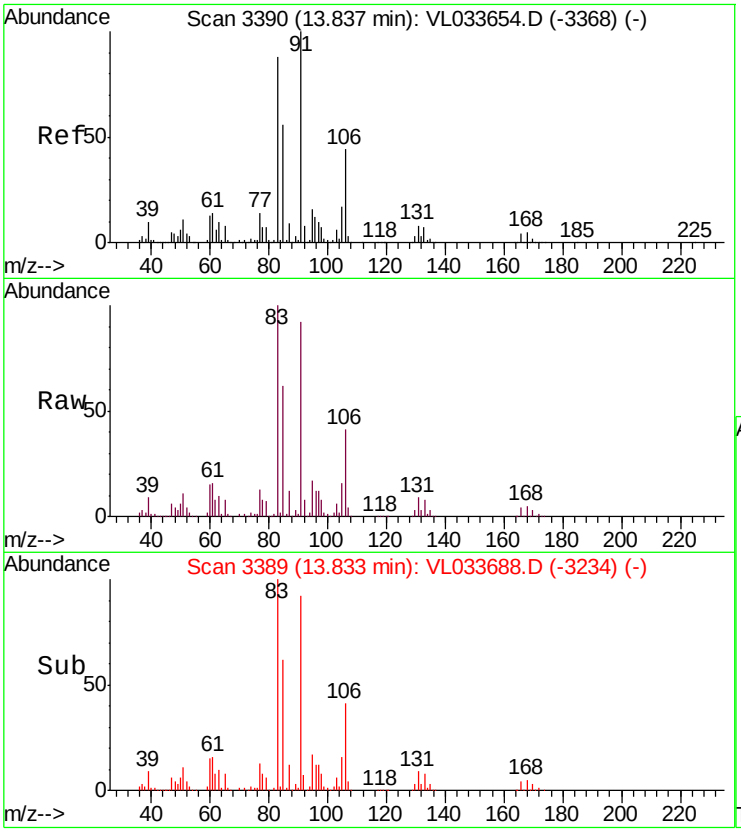


#62
Isopropylbenzene
Concen: 9.842 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion:105 Resp: 3807190

Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.5	30.7



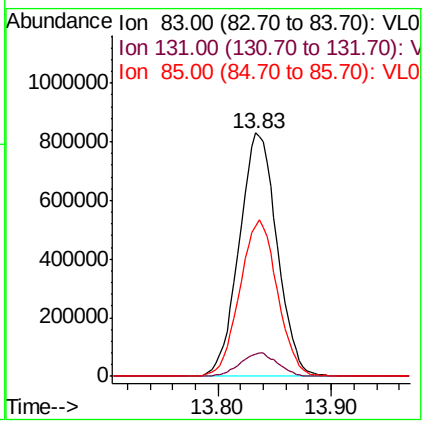


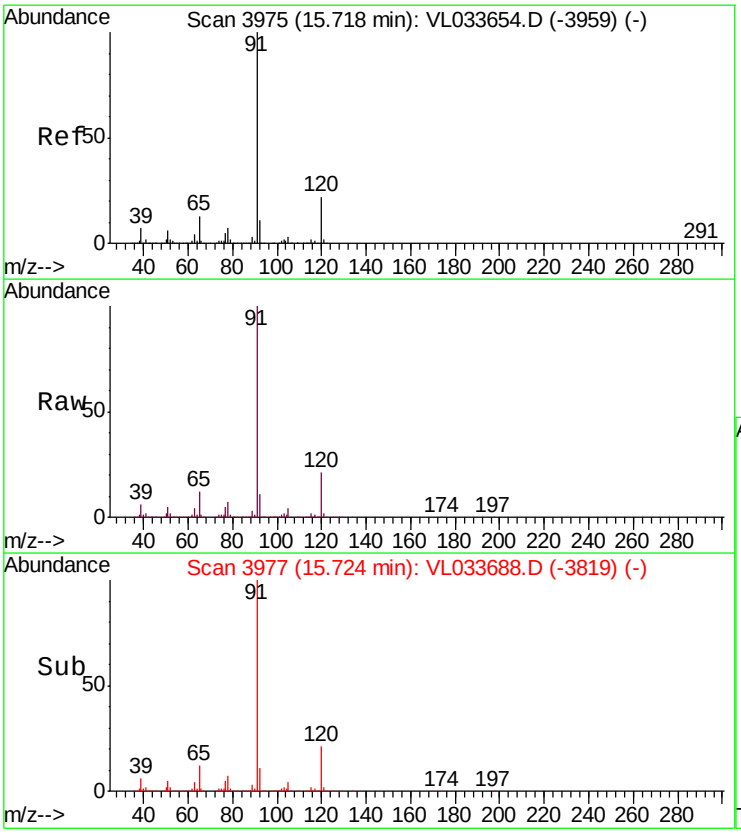
#63
1,1,2,2-Tetrachloroethane
Concen: 9.367 ppbv
RT: 13.83 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument : MSVOA_L
ClientSampleId : VL0514ABS01

Tgt Ion: 83 Resp: 1931367

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.8	14.3
85	63.9	32.5	97.4

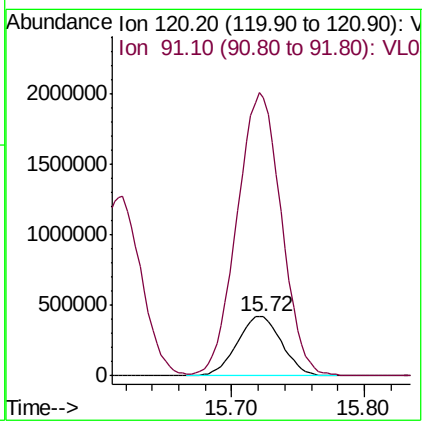


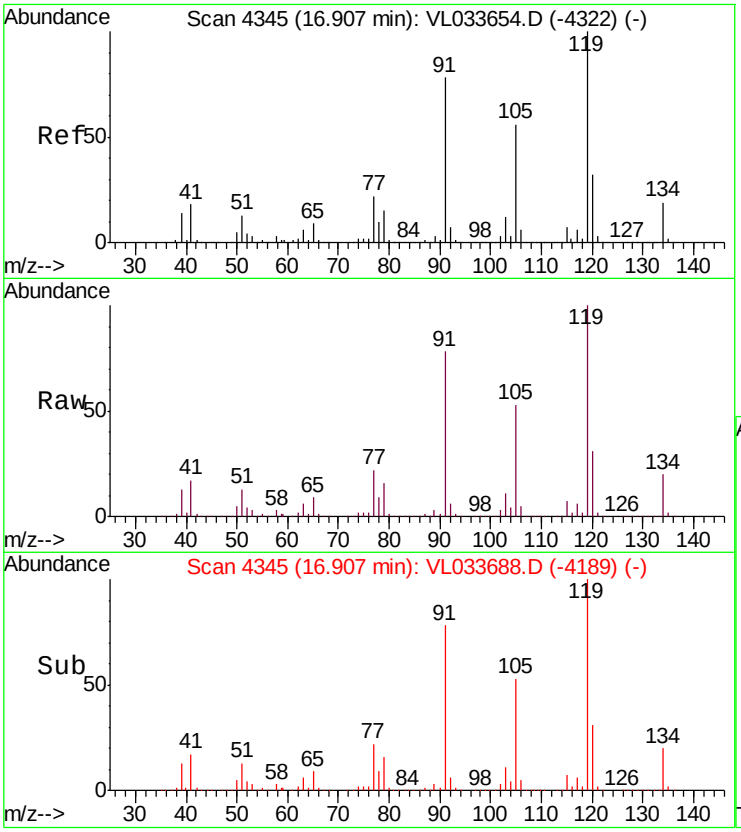


#64
n-propylbenzene
Concen: 9.852 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. 0.01 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion:120 Resp: 984878

Ion	Ratio	Lower	Upper
120	100		
91	476.1	379.0	568.6



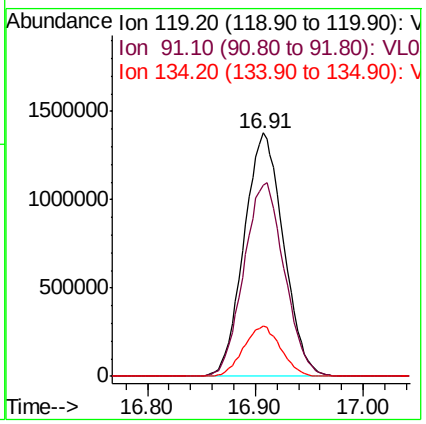


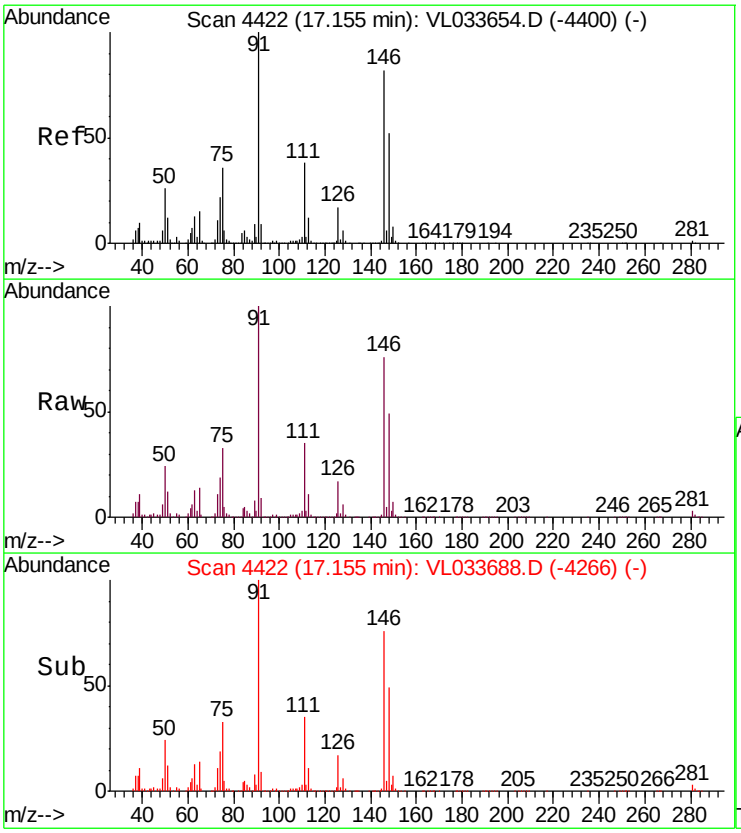
#65
tert-Butylbenzene
Concen: 9.857 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument : MSVOA_L
ClientSampleId : VL0514ABS01

Tgt Ion:119 Resp: 3497817

Ion	Ratio	Lower	Upper
119	100		
91	81.9	65.9	98.9
134	19.5	15.5	23.3

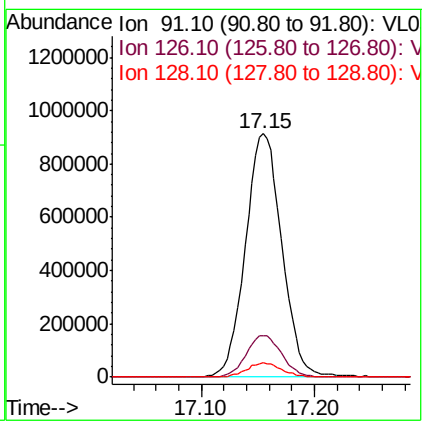


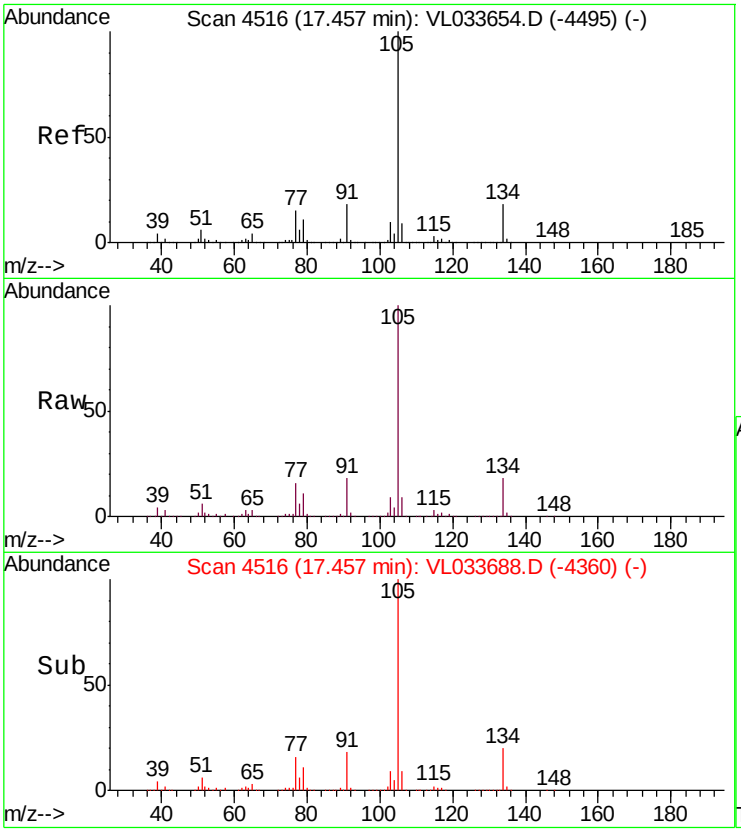


#66
Benzyl Chloride
Concen: 12.597 ppbv
RT: 17.15 min Scan# 4422
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 91 Resp: 2033538

Ion	Ratio	Lower	Upper
91	100		
126	16.8	13.4	20.2
128	5.5	4.4	6.6



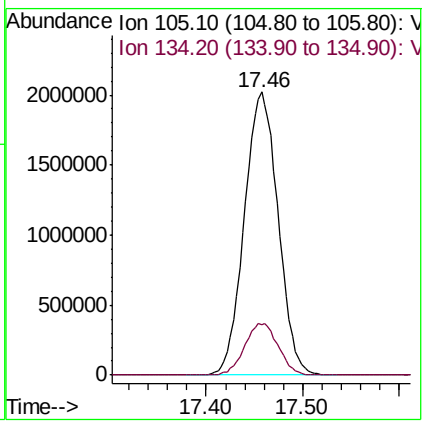


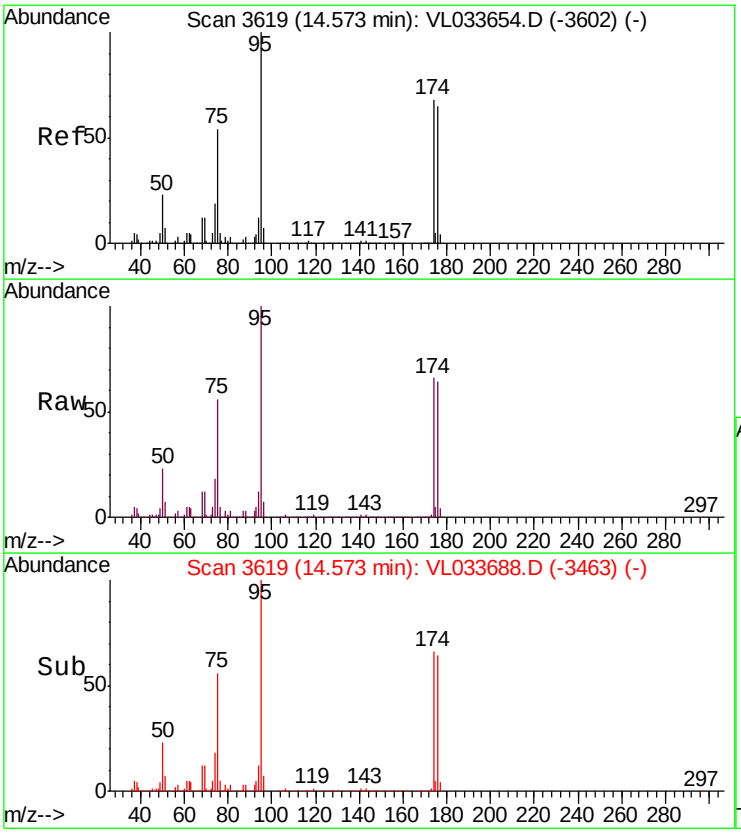
#67
sec-Butylbenzene
Concen: 9.877 ppbv
RT: 17.46 min Scan# 4516
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument : MSVOA_L
ClientSampleId : VL0514ABS01

Tgt Ion:105 Resp: 4889802

Ion	Ratio	Lower	Upper
105	100		
134	18.2	14.6	22.0

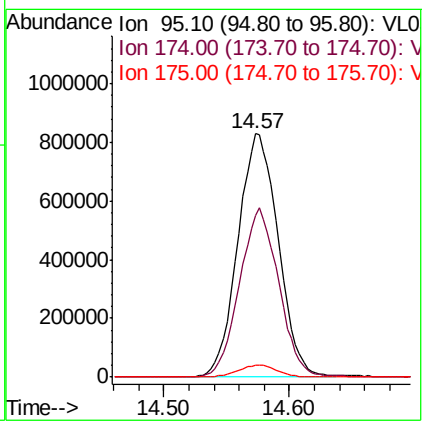


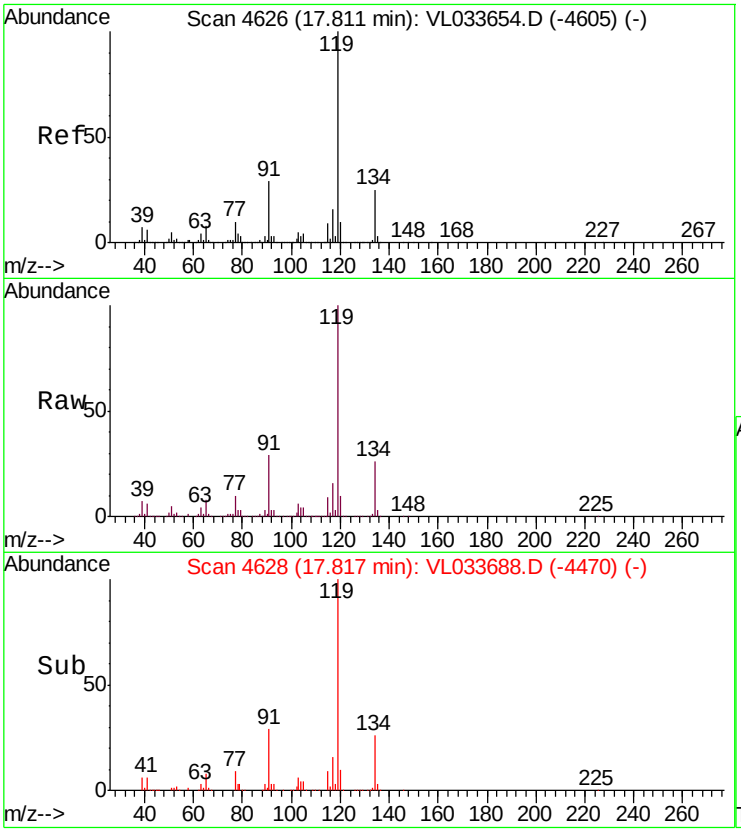


#68
1-Bromo-4-Fluorobenzene
Concen: 9.292 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 95 Resp: 1856420

Ion	Ratio	Lower	Upper
95	100		
174	67.7	54.0	81.0
175	4.8	3.8	5.8



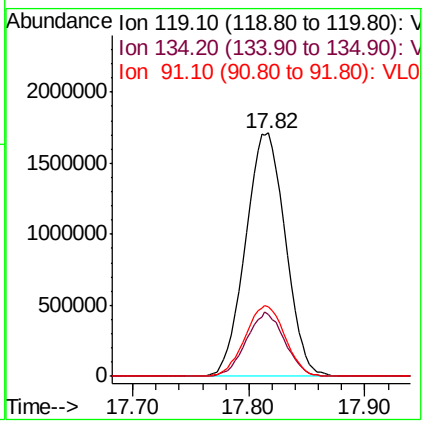


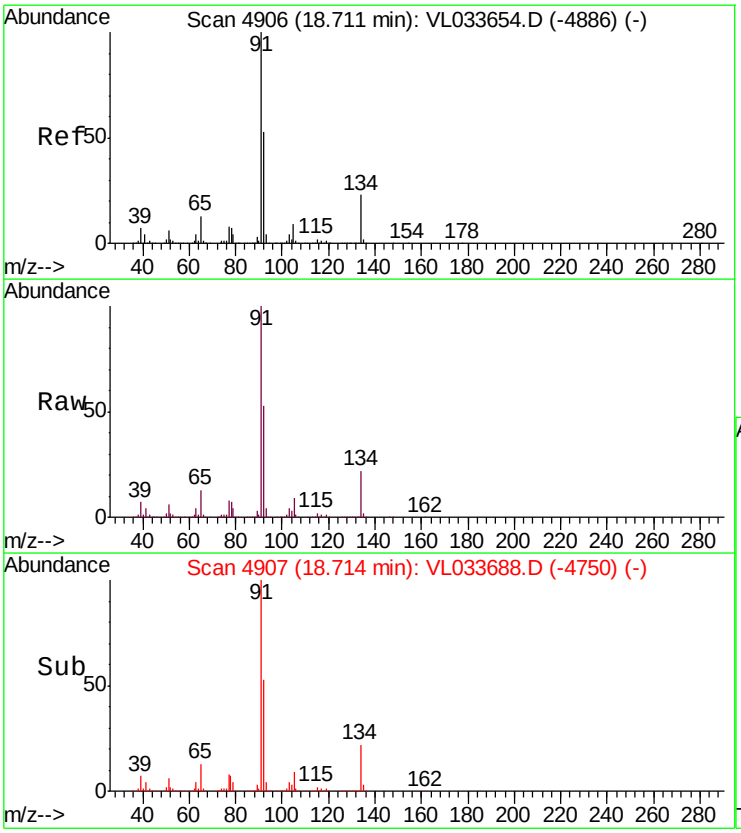
#69
p-Isopropyltoluene
Concen: 10.057 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. 0.01 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument : MSVOA_L
ClientSampleId : VL0514ABS01

Tgt Ion:119 Resp: 4102442

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.2	30.2
91	29.2	23.4	35.2

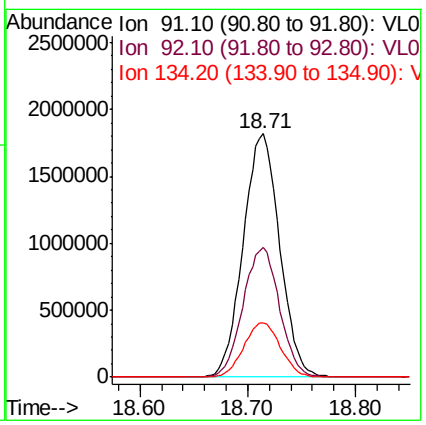


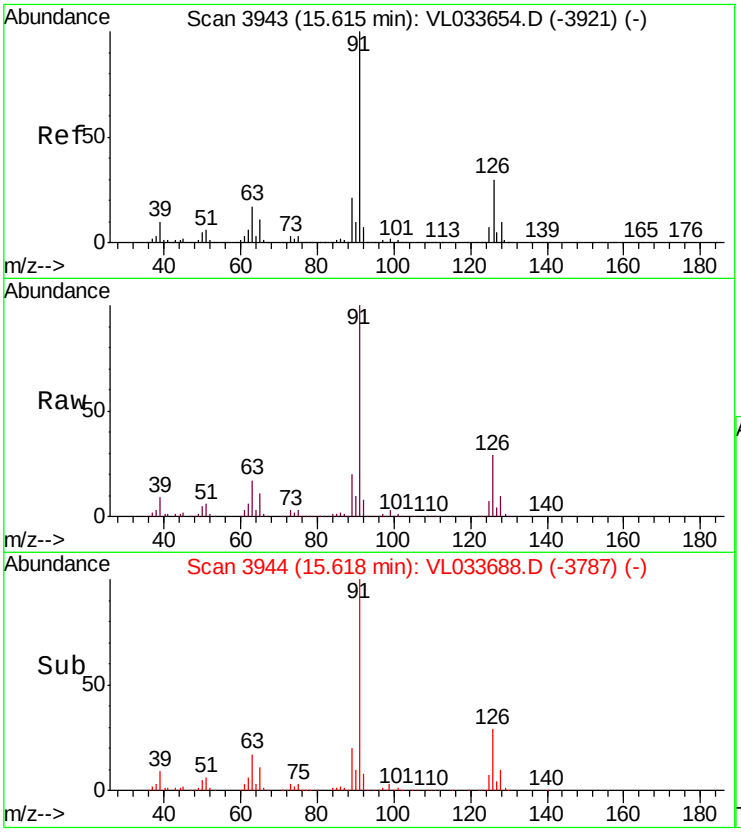


#70
n-Butylbenzene
Concen: 9.867 ppbv
RT: 18.71 min Scan# 4907
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion: 91 Resp: 4268272

Ion	Ratio	Lower	Upper
91	100		
92	53.2	42.5	63.7
134	22.5	18.0	27.0



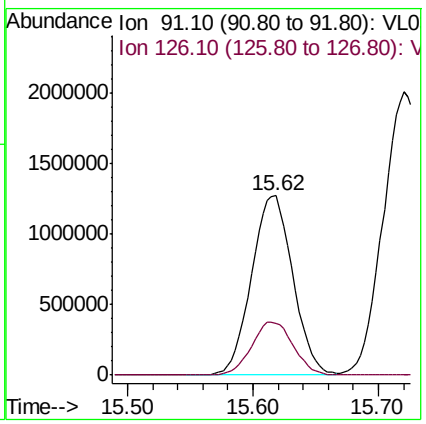


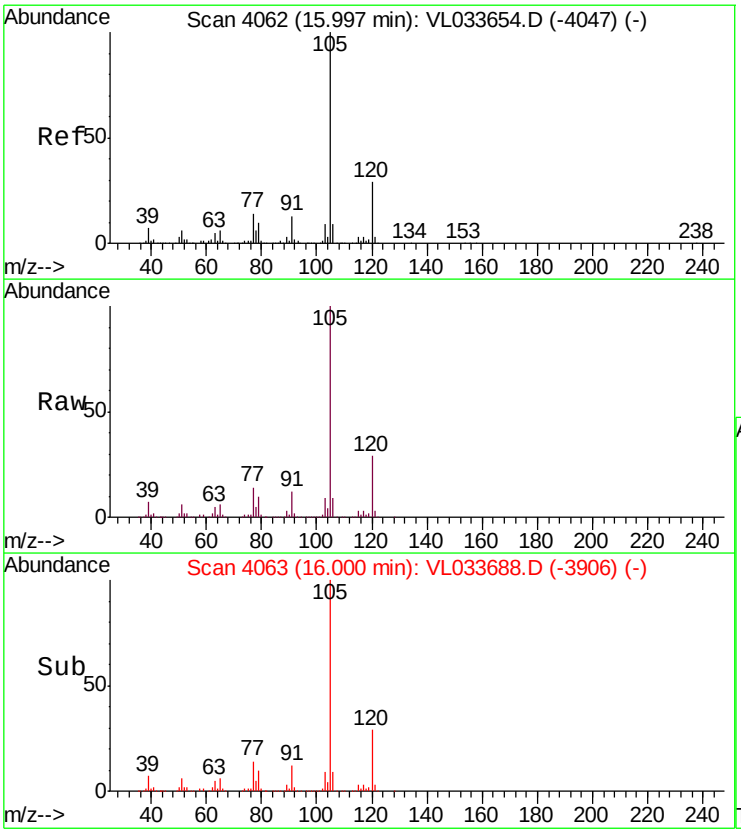
#71
2-Chlorotoluene
Concen: 10.183 ppbv
RT: 15.62 min Scan# 3944
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument : MSVOA_L
ClientSampleId : VL0514ABS01

Tgt Ion: 91 Resp: 2910445

Ion	Ratio	Lower	Upper
91	100		
126	30.0	12.0	47.8

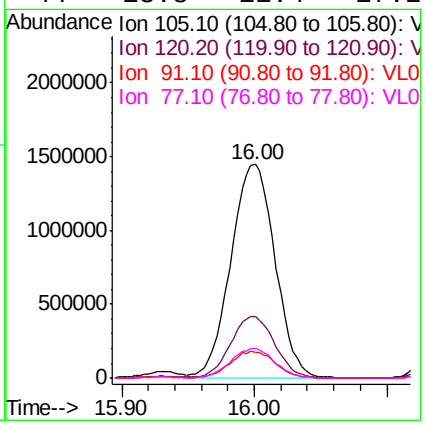


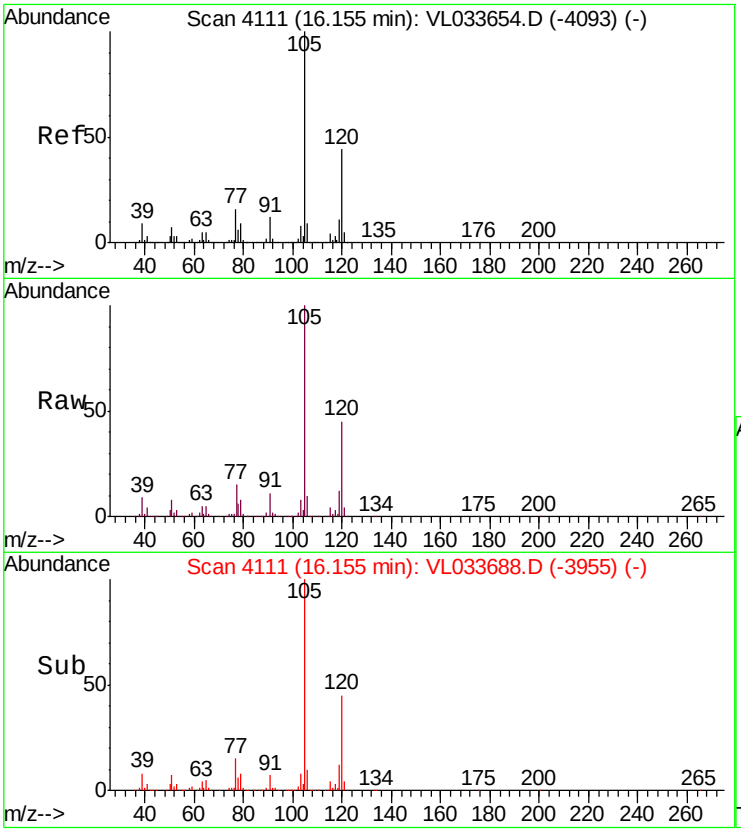


#72
4-Ethyltoluene
Concen: 10.042 ppbv
RT: 16.00 min Scan# 4063
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion:105 Resp: 3344257

Ion	Ratio	Lower	Upper
105	100		
120	29.6	23.0	34.6
91	12.8	10.5	15.7
77	13.8	11.4	17.2



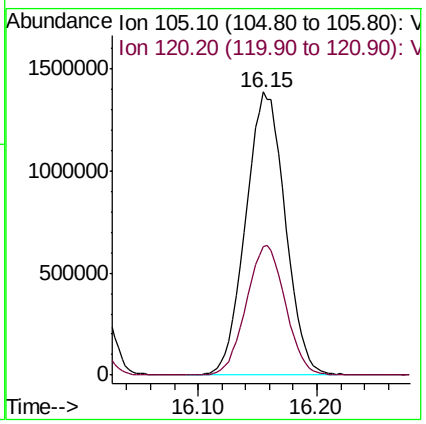


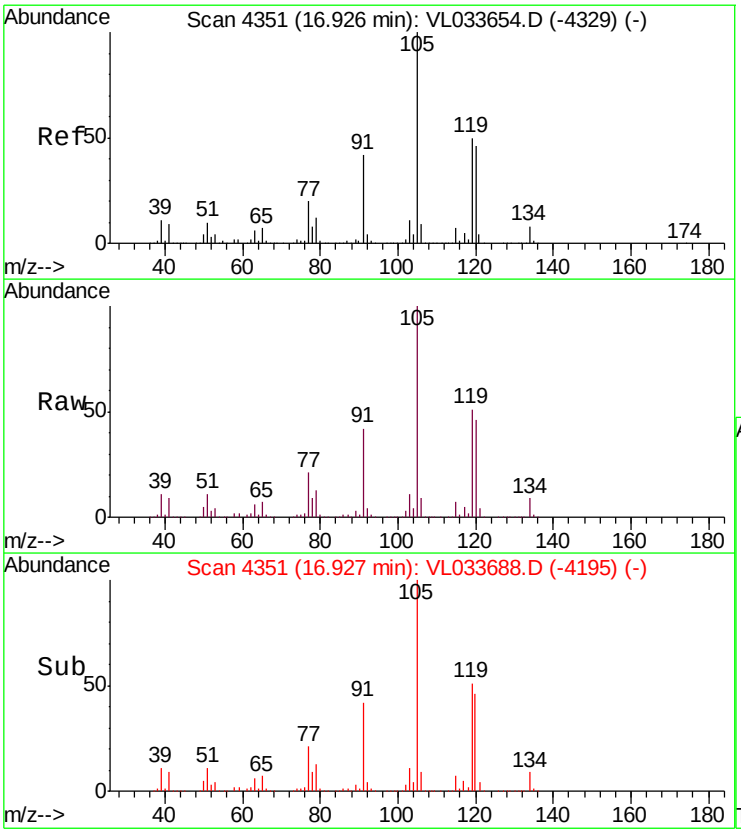
#73
1,3,5-Trimethylbenzene
Concen: 9.850 ppbv
RT: 16.15 min Scan# 4111
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion:105 Resp: 3171554

Ion	Ratio	Lower	Upper
105	100		
120	45.2	35.5	53.3

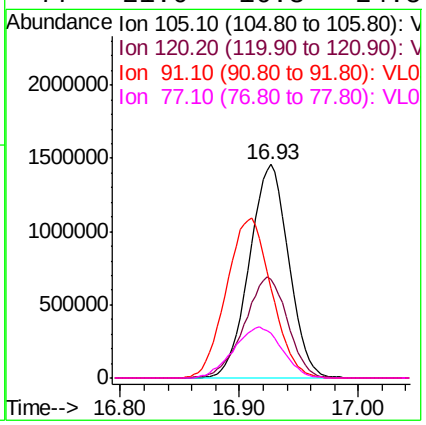


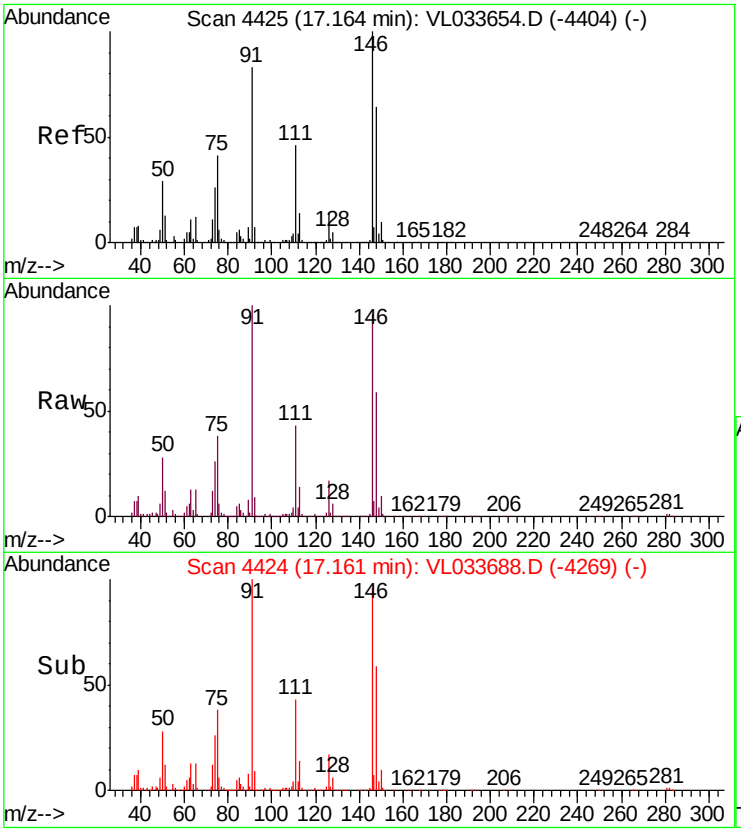


#74
1,2,4-Trimethylbenzene
Concen: 9.315 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion:105 Resp: 3333852

Ion	Ratio	Lower	Upper
105	100		
120	45.9	36.5	54.7
91	41.8	33.7	50.5
77	21.0	16.3	24.5



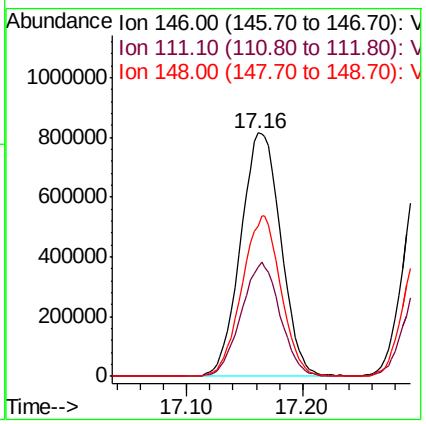


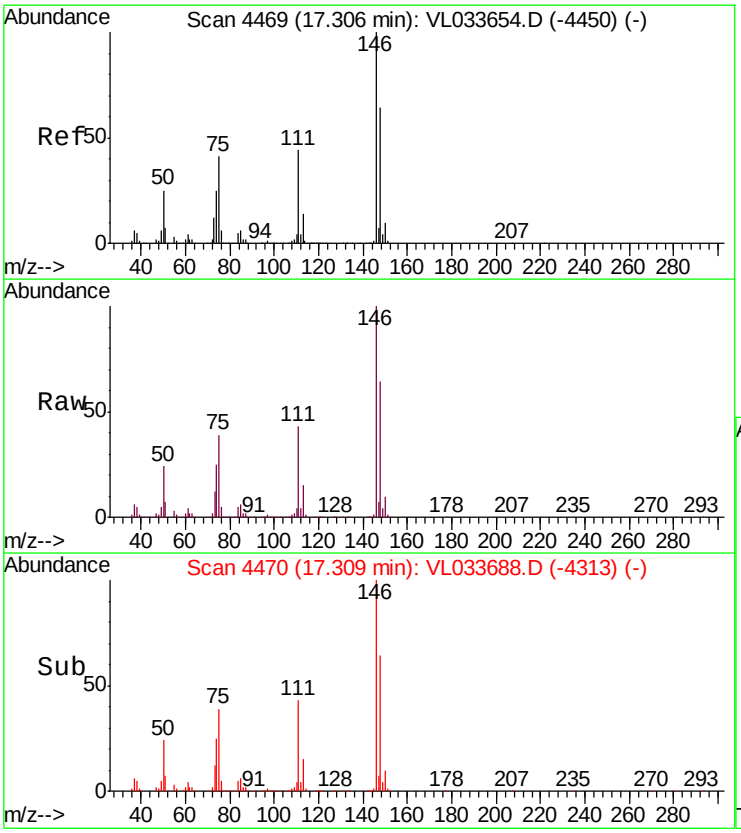
#75
1,3-Dichlorobenzene
Concen: 9.093 ppbv
RT: 17.16 min Scan# 4424
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument : MSVOA_L
ClientSampleId : VL0514ABS01

Tgt Ion:146 Resp: 1965703

Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.6	67.7
148	64.1	31.8	95.4

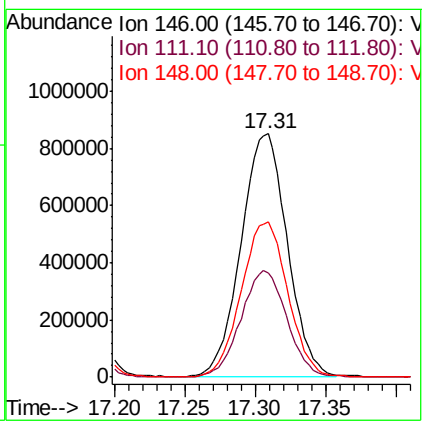


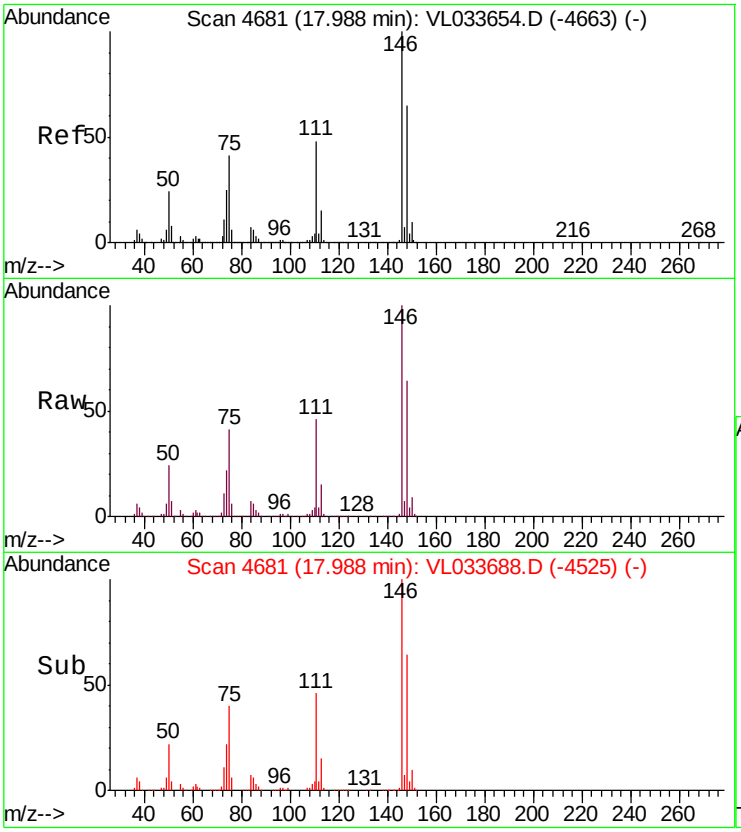


#76
1,4-Dichlorobenzene
Concen: 9.498 ppbv
RT: 17.31 min Scan# 4470
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion:146 Resp: 1948555

Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.0	66.0
148	64.9	32.1	96.5



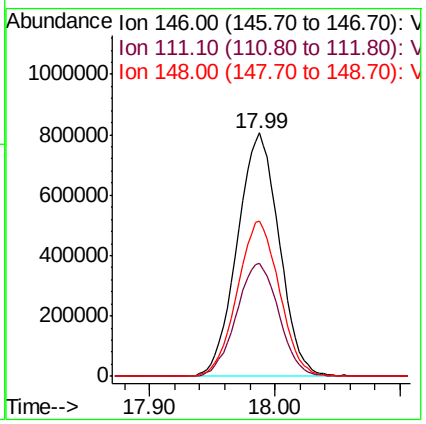


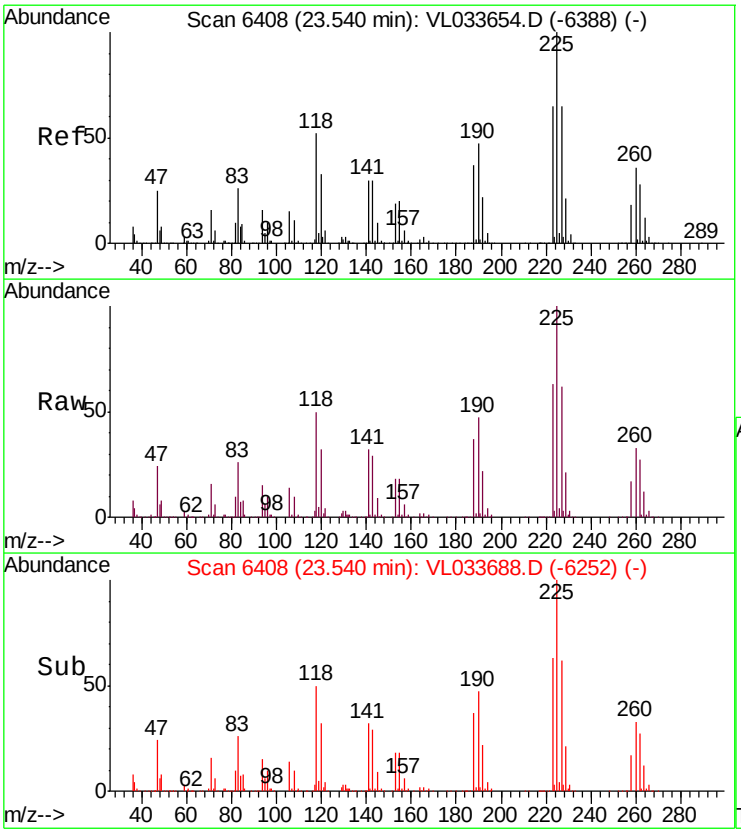
#77
1,2-Dichlorobenzene
Concen: 9.320 ppbv
RT: 17.99 min Scan# 4681
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion:146 Resp: 1866550

Ion	Ratio	Lower	Upper
146	100		
111	47.1	23.4	70.0
148	64.3	31.9	95.9

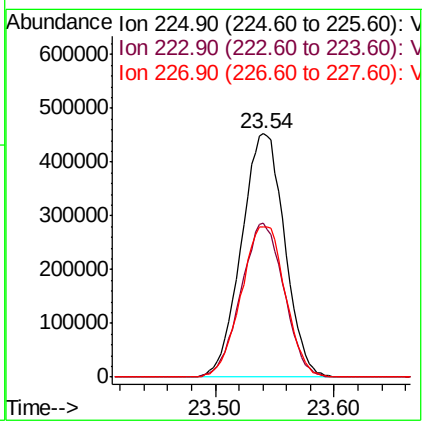


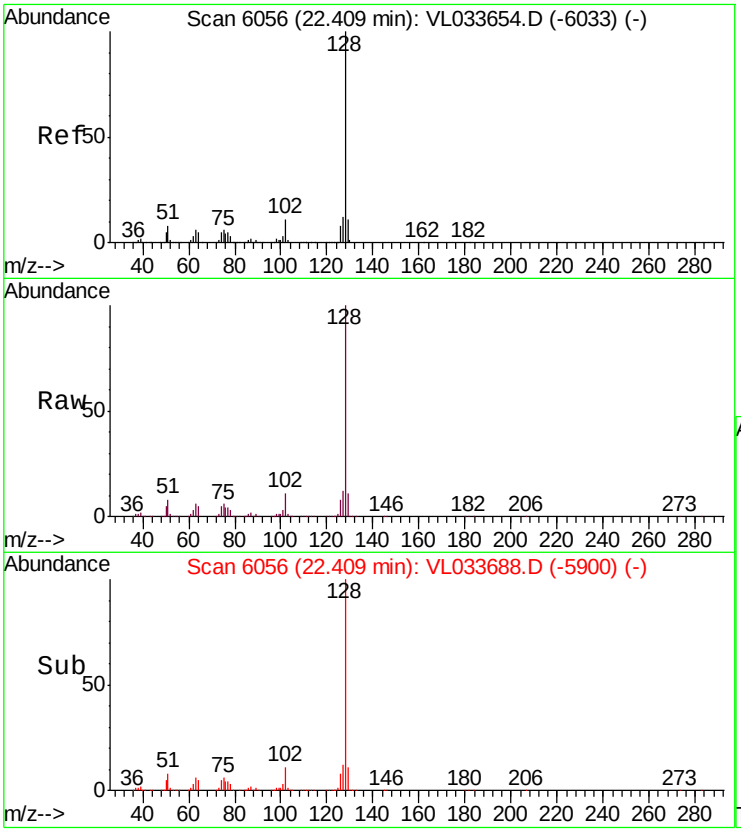


#78
Hexachloro-1,3-Butadiene
Concen: 7.153 ppbv
RT: 23.54 min Scan# 6408
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion:225 Resp: 1135314

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.7	76.1
227	63.4	51.4	77.2



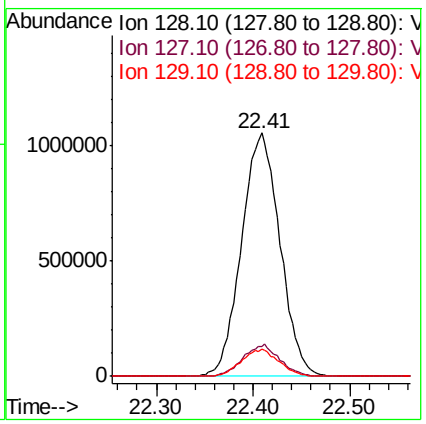


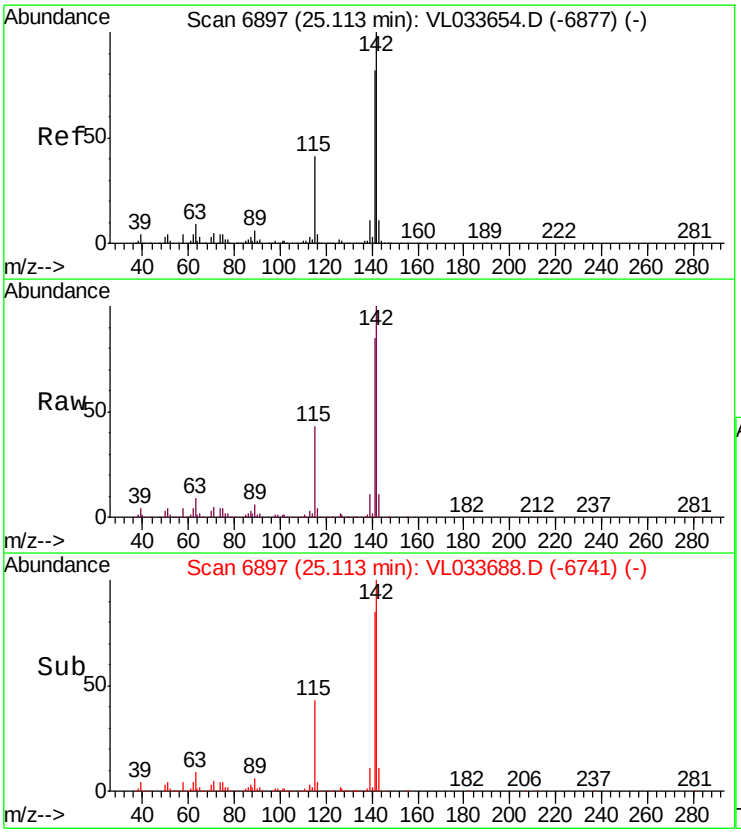
#79
Naphthalene
Concen: 8.901 ppbv
RT: 22.41 min Scan# 6056
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion:128 Resp: 2908708

Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.8	14.8
129	11.4	8.8	13.2

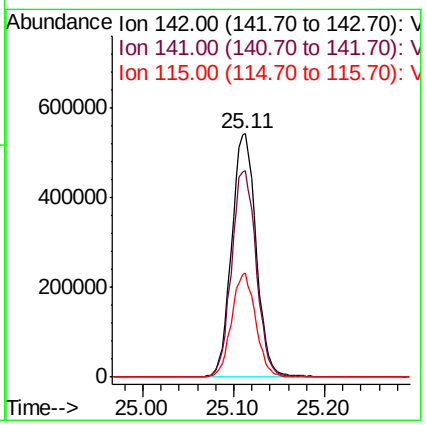


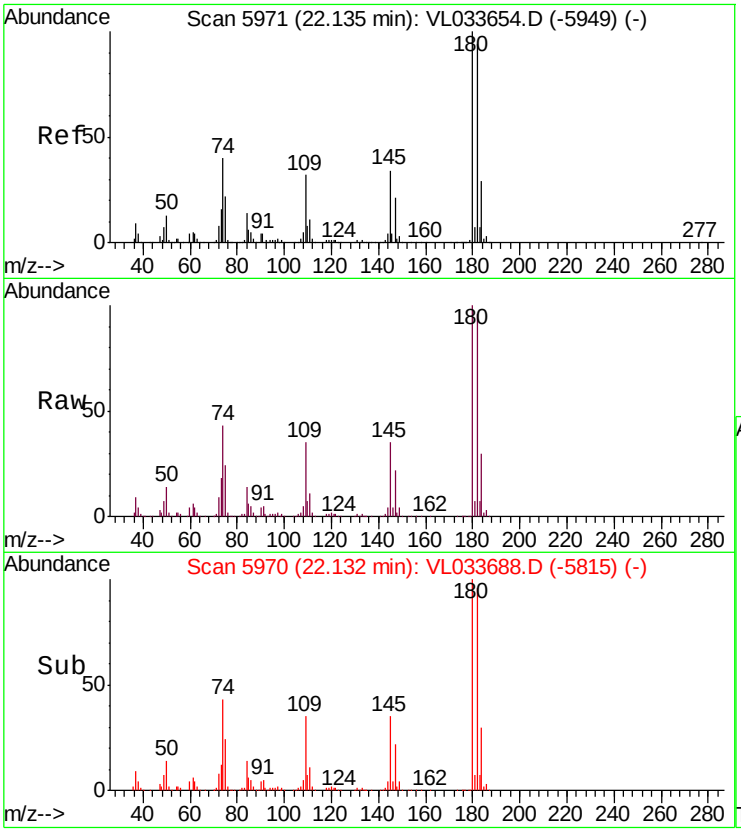


#80
Naphthalene,2-methyl-
Concen: 8.205 ppbv
RT: 25.11 min Scan# 6897
Delta R.T. 0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Tgt Ion:142 Resp: 1013576

Ion	Ratio	Lower	Upper
142	100		
141	85.6	67.9	101.9
115	42.4	34.2	51.4





#81
1,2,4-Trichlorobenzene
Concen: 8.437 ppbv
RT: 22.13 min Scan# 5970
Delta R.T. -0.00 min
Lab File: VL033688.D
Acq: 14 May 2019 12:57

Instrument :
MSVOA_L
ClientSampleId :
VL0514ABS01

Tgt Ion:180 Resp: 1601671

Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.4	116.0
184	30.7	24.6	36.8