Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052819\

Quantitation Report (Not Reviewed)

Data File : VL033814.D
Acq On : 28 May 2019 21:53
Operator : SY/AP
Sample : VL0528ABS02DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02DUP

Quant Time: May 29 05:31:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	868496	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2167541	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2632883	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1695744	7.94	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 79.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.07	85	1545814	8.446	ppbv	99
3) Chlorodifluoromethane	3.01	51	1008808	10.141	ppbv	99
4) Chloromethane	3.17	50	591945	10.403	ppbv	99
5) Vinyl Chloride	3.29	62	564354	9.737	ppbv	95
6) Bromomethane	3.51	94	370954	10.489	ppbv	99
7) Chloroethane	3.60	64	222151	10.785	ppbv	94
8) Dichlorotetrafluoroethane	3.22	85	1435127	9.726	ppbv	99
9) Propene	3.03	41	447417	10.574	ppbv	99
10) Heptane	8.25	43	1167174	9.741	ppbv	99
11) Trichlorofluoromethane	4.00	101	1740924	9.966	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1163738	9.540	ppbv	99
13) Ethanol	3.65	45	100803	7.371	ppbv	99
14) Bromoethene	3.79	108	485865	10.834	ppbv	99
15) Acetone	3.90	43	1083816	8.994	ppbv	99
16) 1,3-Butadiene	3.36	39	499458	10.409	ppbv	99
17) tert-Butyl alcohol	4.35	59	1045591	10.731	ppbv	99
18) 1,1-Dichloroethene	4.35	96	520656	10.112	ppbv	98
19) Isopropyl Alcohol	4.02	45	810960	10.438	ppbv	99
20) Methylene Chloride	4.41	84	436056	9.399	ppbv	98
21) Allyl Chloride	4.47	41	763999	10.165	ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	526315	9.973	ppbv	94
23) Vinyl Acetate	5.15	43	1664727	10.478	ppbv	100
24) 1,1-Dichloroethane	5.09	63	1181545	9.783	ppbv	99
25) Ethyl Acetate	5.76	43	2044330	9.658	ppbv	100
26) Hexane	5.78	57	909383	9.993	ppbv	99
27) Carbon Disulfide	4.62	76	1285036	10.293	ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1565030	10.549	ppbv	100
29) Chloroform	5.85	83	1532387	9.142	ppbv	99
30) Cyclohexane	7.24	84	791091	10.340	ppbv	100
31) cis-1,2-Dichloroethene	5.64	61	933138	10.342	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1566666	9.360	ppbv	100
34) 2-Butanone	5.32	43	1318840	9.816	ppbv	99
35) Carbon Tetrachloride	7.13	117	1713935	9.871	ppbv	98
36) Benzene	7.00	78	1871772	9.493	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1178969	9.269	ppbv	100
38) Trichloroethene	7.96	130	800271	10.938	ppbv	99
39) 1,2-Dichloropropane	7.73	63	716958	9.753	ppbv	97
40) 1,4-Dioxane	7.95	88	315835	10.271	ppbv #	94
41) Tetrahydrofuran	6.15	42	732865	9.736	ppbv	98
42) Bromodichloromethane	7.92	83	1745315	10.023	ppbv	95
43) Methyl Methacrylate	8.14	69	773374	10.658	ppbv	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052819\

Quantitation Report (Not Reviewed)

Data File : VL033814.D
Acq On : 28 May 2019 21:53
Operator : SY/AP
Sample : VL0528ABS02DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02DUP

Quant Time: May 29 05:31:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3294977	9.888	ppbv		100
45) t-1,3-Dichloropropene	9.41	75	1007447	10.952	ppbv		96
46) cis-1,3-Dichloropropene	8.83	75	1144048	10.621	ppbv		99
47) 1,1,2-Trichloroethane	9.61	97	781228	9.355	ppbv		98
48) Dibromochloromethane	10.45	129	1442849	9.972	ppbv		100
49) Bromoform	13.20	173	1354845	11.128	ppbv		100
50) 4-Methyl-2-Pentanone	8.87	43	2019253	9.771	ppbv		100
51) 2-Hexanone	10.27	43	1641266	10.176	ppbv	#	99
52) Tetrachloroethene	11.37	164	713094	10.288	ppbv		98
53) Toluene	9.94	91	2187238	10.285	ppbv		100
54) 1,2-Dibromoethane	10.76	107	1258572	9.876	ppbv		100
56) 1,1,1,2-Tetrachloroethane	12.27	131	963990	7.912	ppbv		96
57) Chlorobenzene	12.30	112	1677435	7.740	ppbv		98
58) Ethyl Benzene	12.86	91	3264632	9.363	ppbv		99
59) m/p-Xylene	13.15	91	2921700	9.586	ppbv	#	39
60) o-Xylene	13.85	91	2644819	8.608	ppbv		99
61) Styrene	13.68	104	1968606	9.517	ppbv		100
62) Isopropylbenzene	14.82	105	3413682	8.250	ppbv		100
63) 1,1,2,2-Tetrachloroethane	13.83	83	1832974	8.204	ppbv		99
64) n-propylbenzene	15.72	120	880363	8.226	ppbv		96
65) tert-Butylbenzene	16.90	119	3178950	8.415	ppbv		99
66) Benzyl Chloride	17.15	91	1611698	8.957	ppbv		100
67) sec-Butylbenzene	17.45	105	4470349	8.455	ppbv		99
69) p-Isopropyltoluene	17.81	119	3749961	8.581	ppbv		100
70) n-Butylbenzene	18.71	91	3971208	8.474	ppbv		100
71) 2-Chlorotoluene	15.61	91	2609714	8.501	ppbv		100
72) 4-Ethyltoluene	15.99	105	3047163	8.674	ppbv		100
73) 1,3,5-Trimethylbenzene	16.15	105	2913135	8.499	ppbv		98
74) 1,2,4-Trimethylbenzene	16.92	105	3068472	8.226	ppbv		99
75) 1,3-Dichlorobenzene	17.16	146	1782108	7.796	ppbv		99
76) 1,4-Dichlorobenzene	17.30	146	1774064	8.166	ppbv		99
77) 1,2-Dichlorobenzene	17.98	146	1726653	8.039	ppbv		100
78) Hexachloro-1,3-Butadiene	23.53	225	999539	6.155	ppbv		98
79) Naphthalene	22.40	128	2329572	6.724	ppbv		99
80) Naphthalene,2-methyl-	25.11	142	675794	5.133	ppbv		96
81) 1,2,4-Trichlorobenzene	22.13	180	1363790	6.722	ppbv		99

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

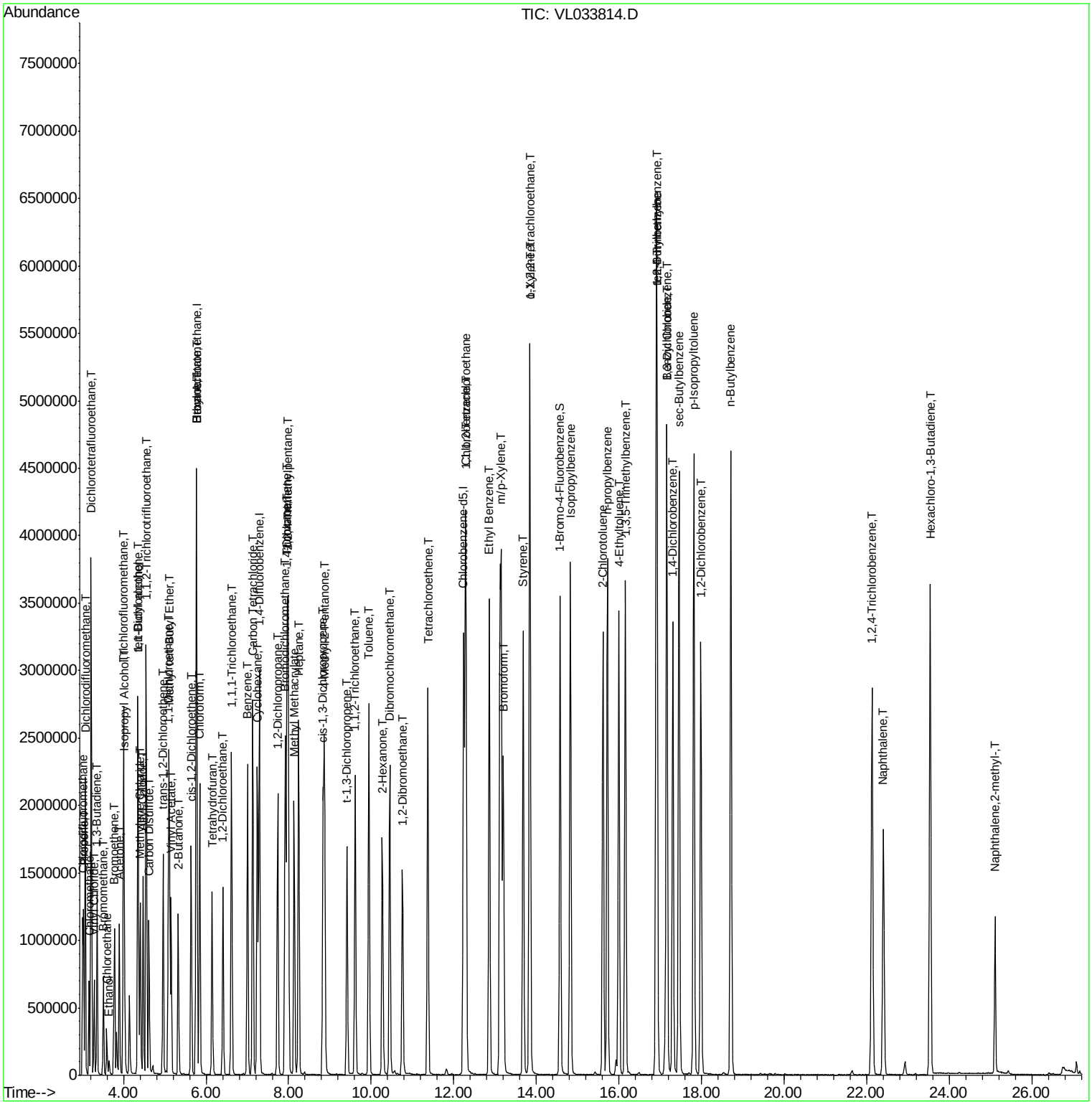
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052819\

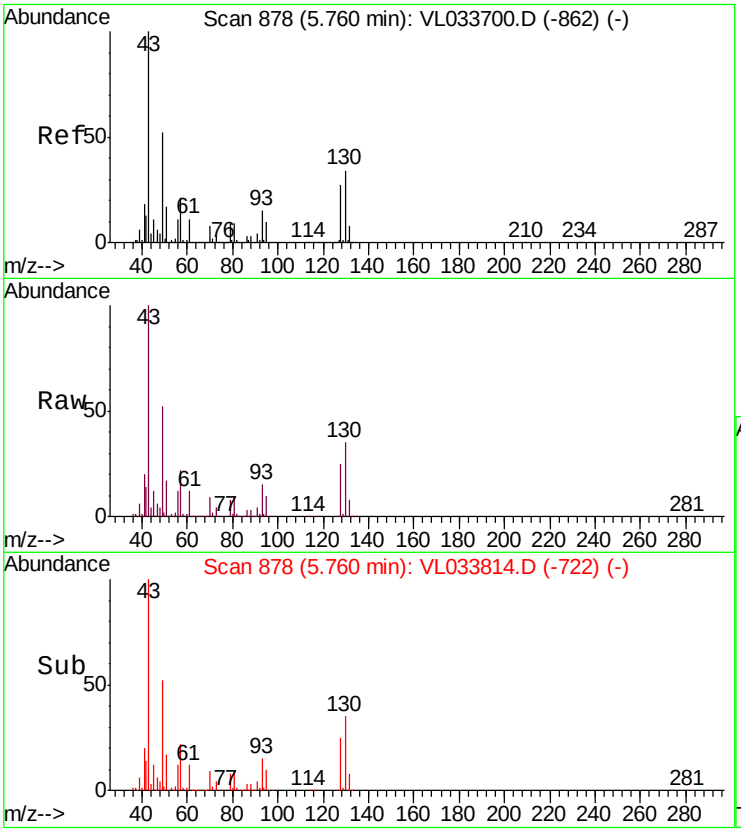
Quantitation Report (Not Reviewed)

Data File : VL033814.D
Acq On : 28 May 2019 21:53
Operator : SY/AP
Sample : VL0528ABS02DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02DUP

Quant Time: May 29 05:31:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



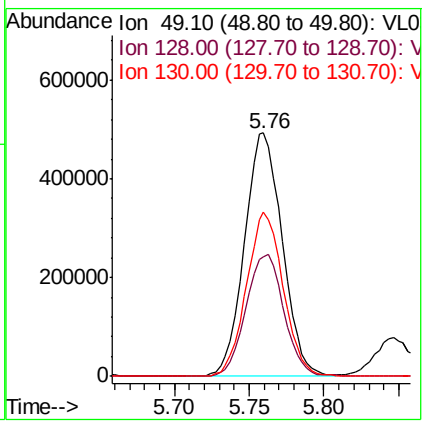


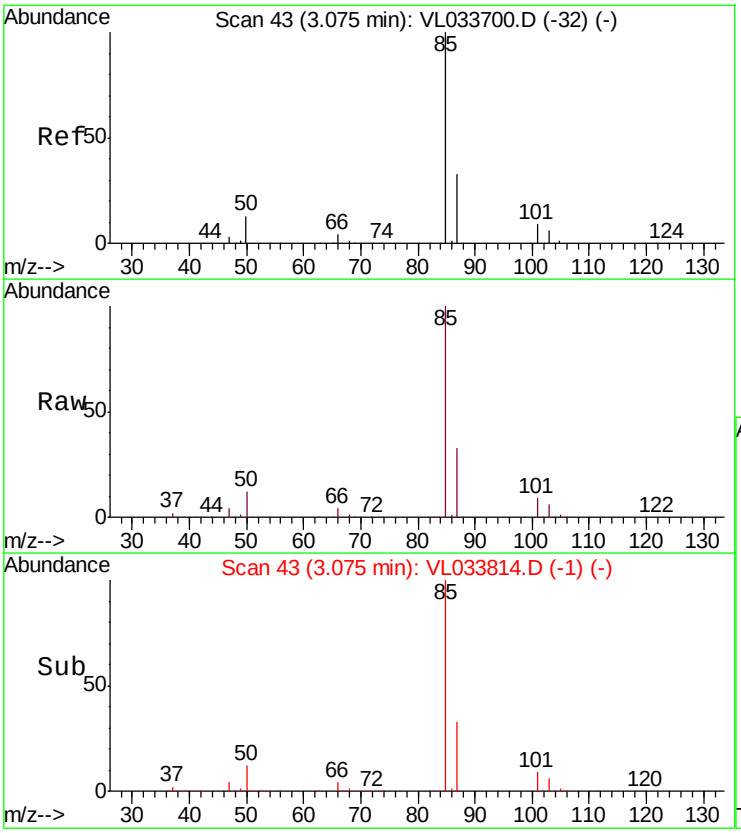
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion: 49 Resp: 868496

Ion	Ratio	Lower	Upper
49	100		
128	50.3	25.2	75.6
130	65.5	32.5	97.5

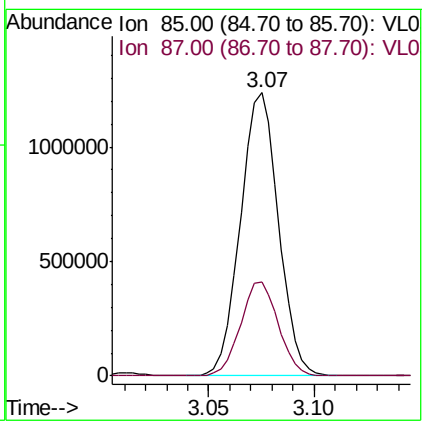


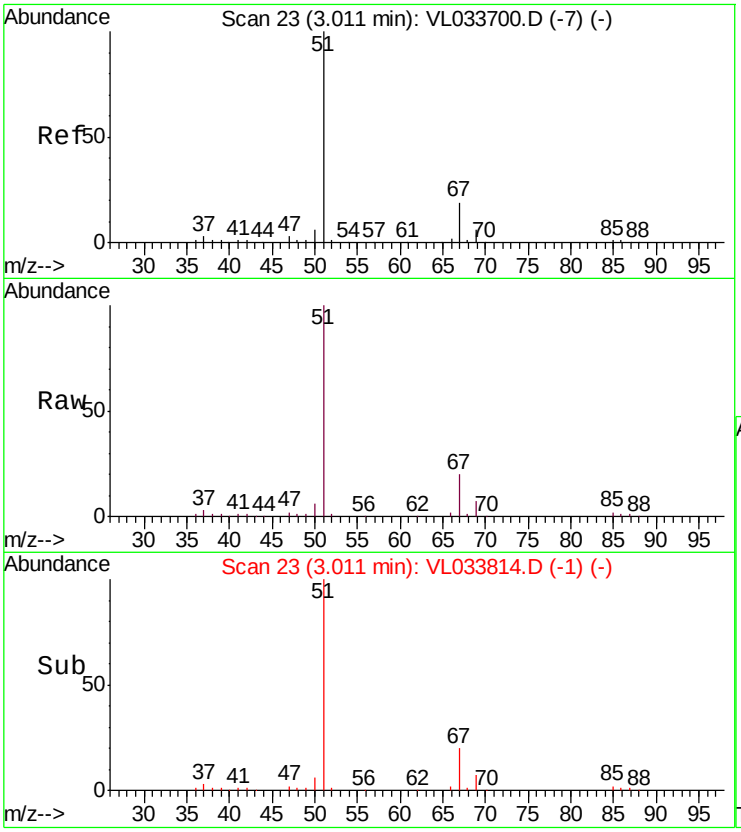


#2
Dichlorodifluoromethane
Concen: 8.446 ppbv
RT: 3.07 min Scan# 43
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 85 Resp: 1545814

Ion	Ratio	Lower	Upper
85	100		
87	33.4	26.3	39.5



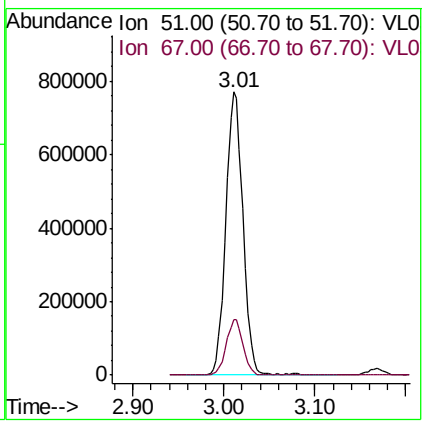


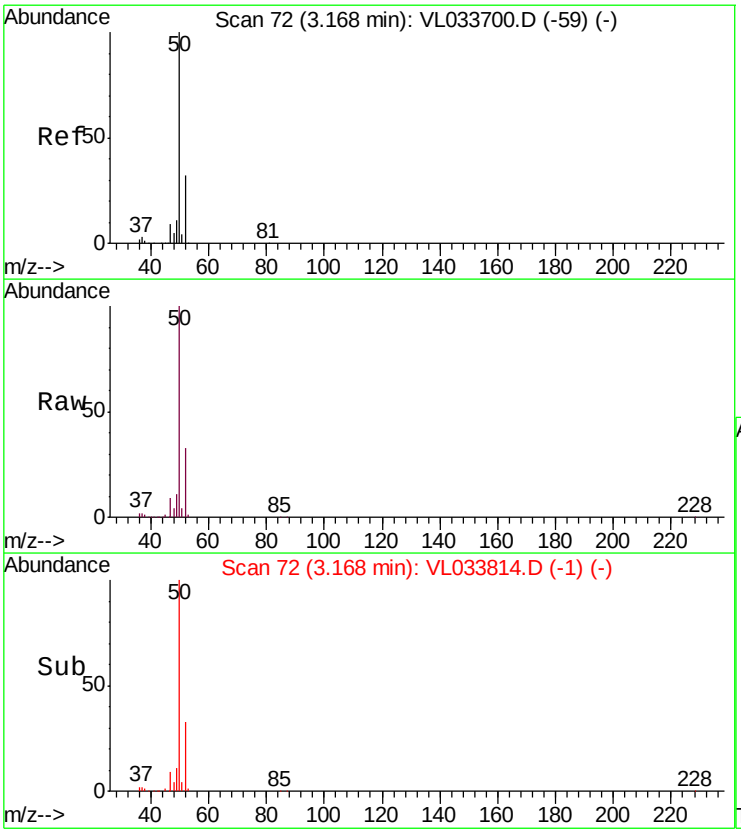
#3
Chlorodifluoromethane
Concen: 10.141 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion: 51 Resp: 1008808

Ion	Ratio	Lower	Upper
51	100		
67	19.3	15.6	23.4

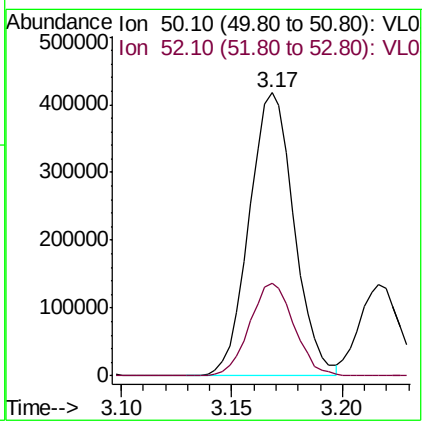


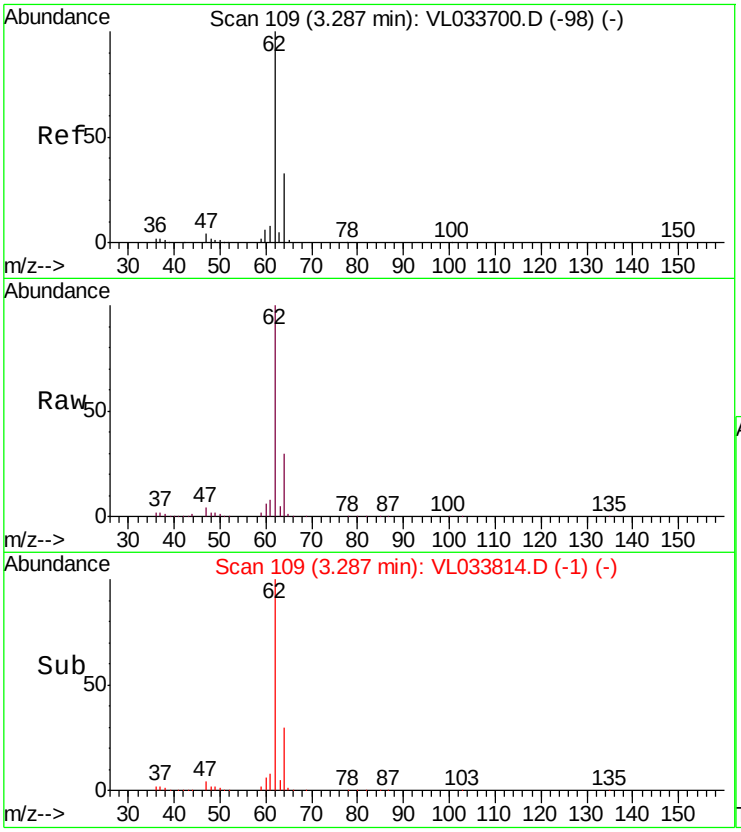


#4
Chloromethane
Concen: 10.403 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 50 Resp: 591945

Ion	Ratio	Lower	Upper
50	100		
52	32.6	25.7	38.5



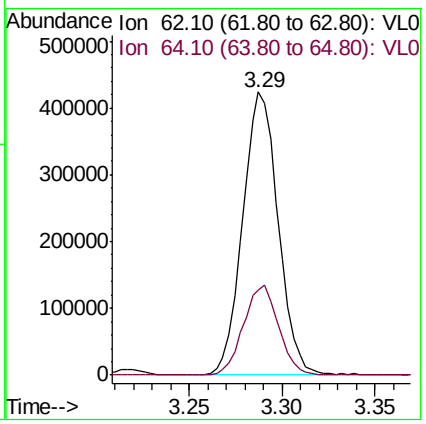


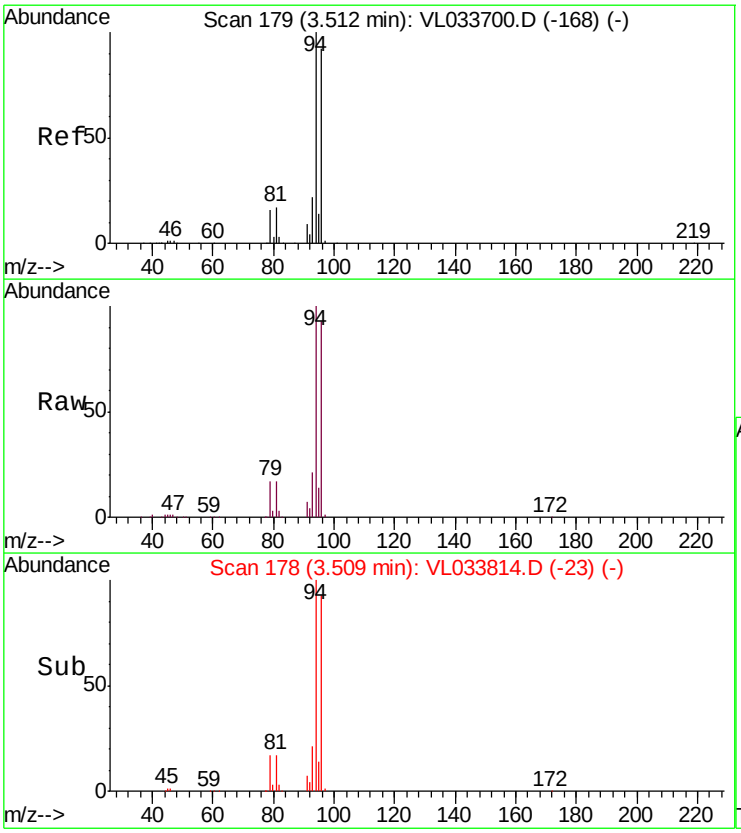
#5
Vinyl Chloride
Concen: 9.737 ppbv
RT: 3.29 min Scan# 109
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion: 62 Resp: 564354

Ion	Ratio	Lower	Upper
62	100		
64	30.2	26.4	39.6

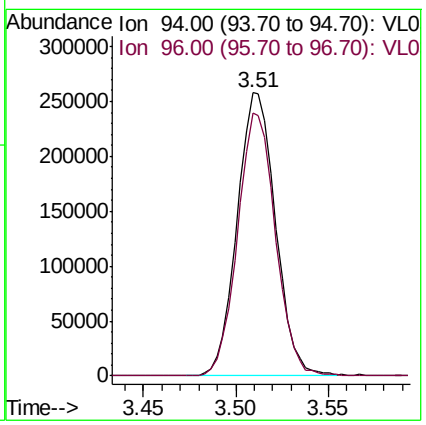


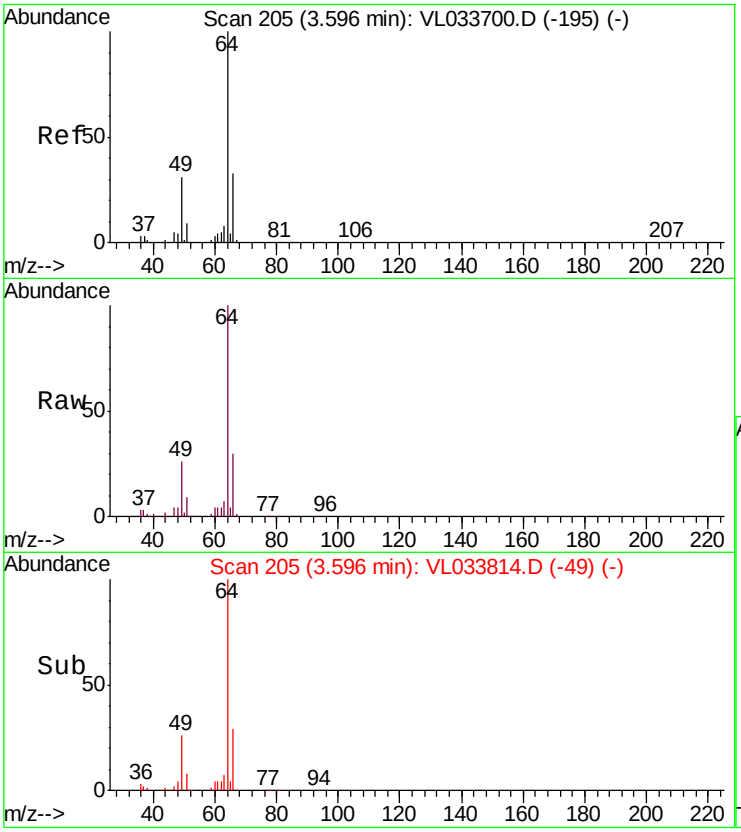


#6
Bromomethane
Concen: 10.489 ppbv
RT: 3.51 min Scan# 178
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 94 Resp: 370954

Ion	Ratio	Lower	Upper
94	100		
96	92.9	73.6	110.4



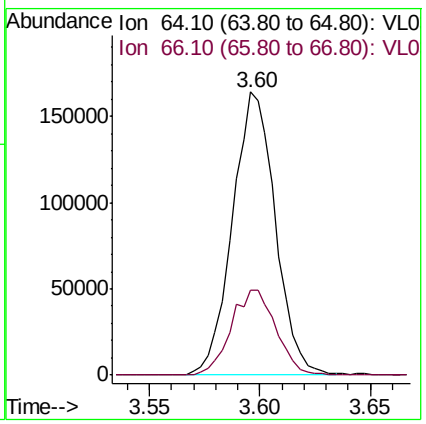


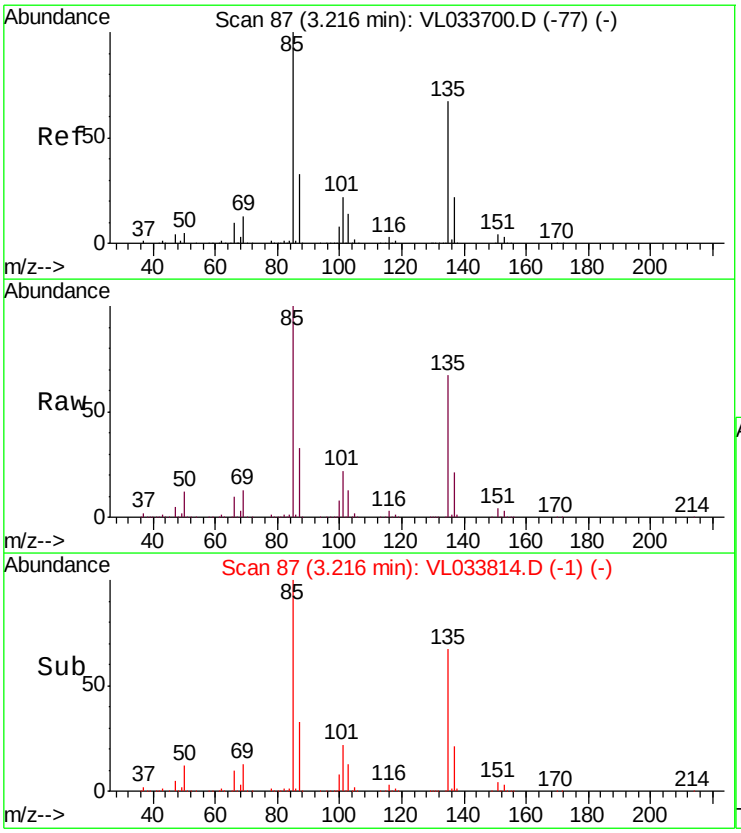
#7
Chloroethane
Concen: 10.785 ppbv
RT: 3.60 min Scan# 205
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion: 64 Resp: 222151

Ion	Ratio	Lower	Upper
64	100		
66	30.1	26.6	40.0

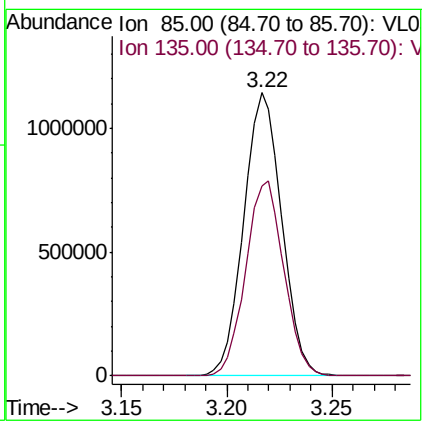


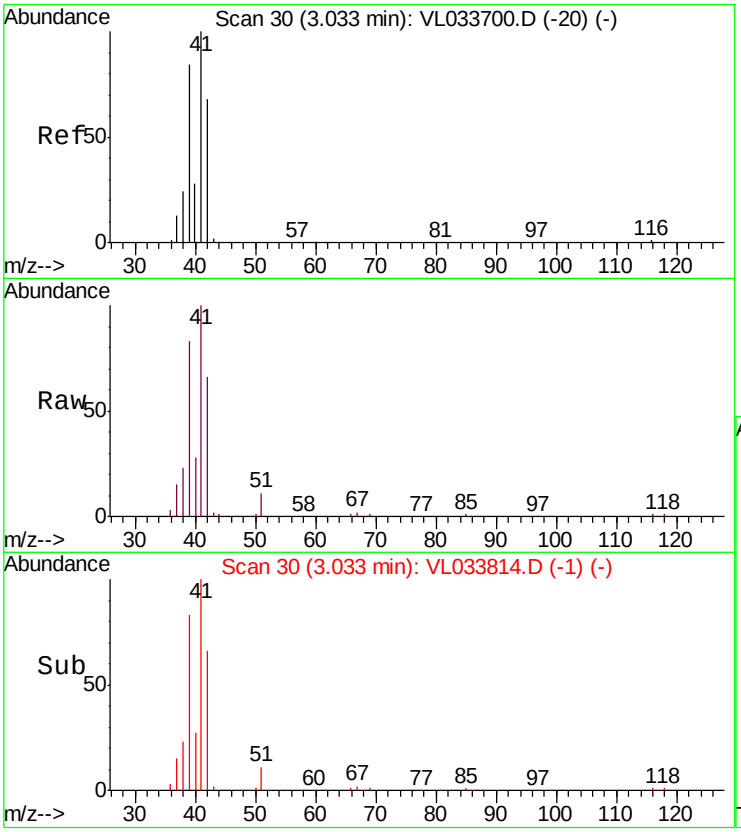


#8
Dichlorotetrafluoroethane
Concen: 9.726 ppbv
RT: 3.22 min Scan# 87
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 85 Resp: 1435127

Ion	Ratio	Lower	Upper
85	100		
135	69.2	54.5	81.7



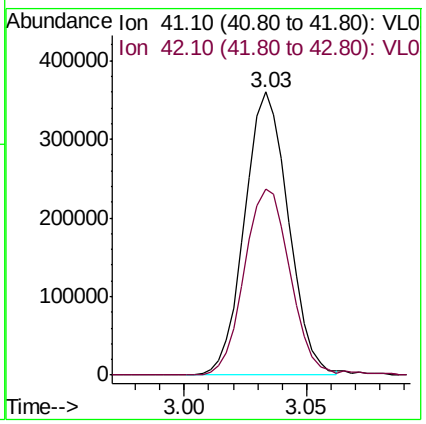


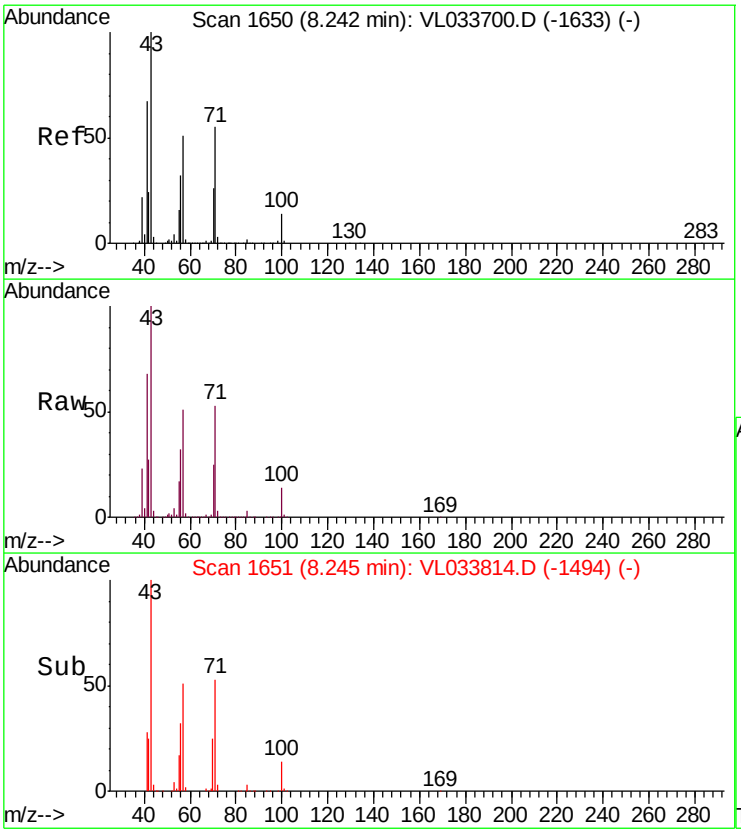
#9
Propene
Concen: 10.574 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion: 41 Resp: 447417

Ion	Ratio	Lower	Upper
41	100		
42	69.6	56.1	84.1

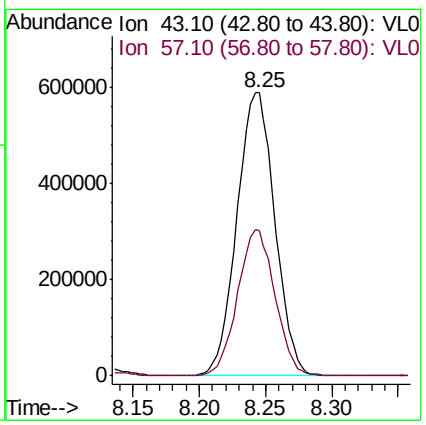


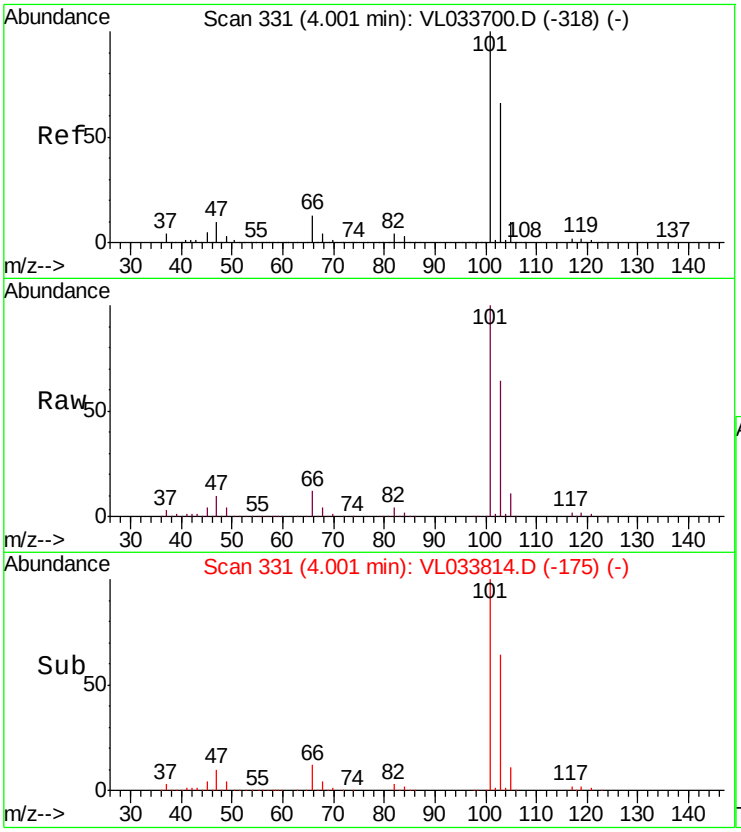


#10
Heptane
Concen: 9.741 ppbv
RT: 8.25 min Scan# 1651
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 43 Resp: 1167174

Ion	Ratio	Lower	Upper
43	100		
57	50.9	41.4	62.0



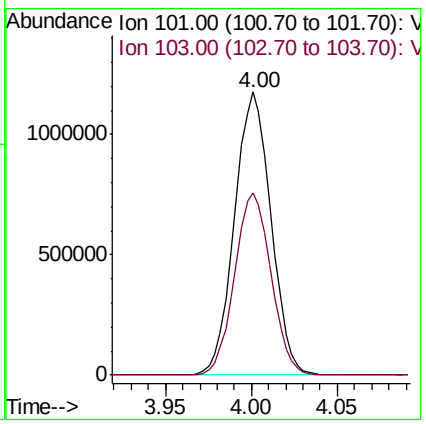


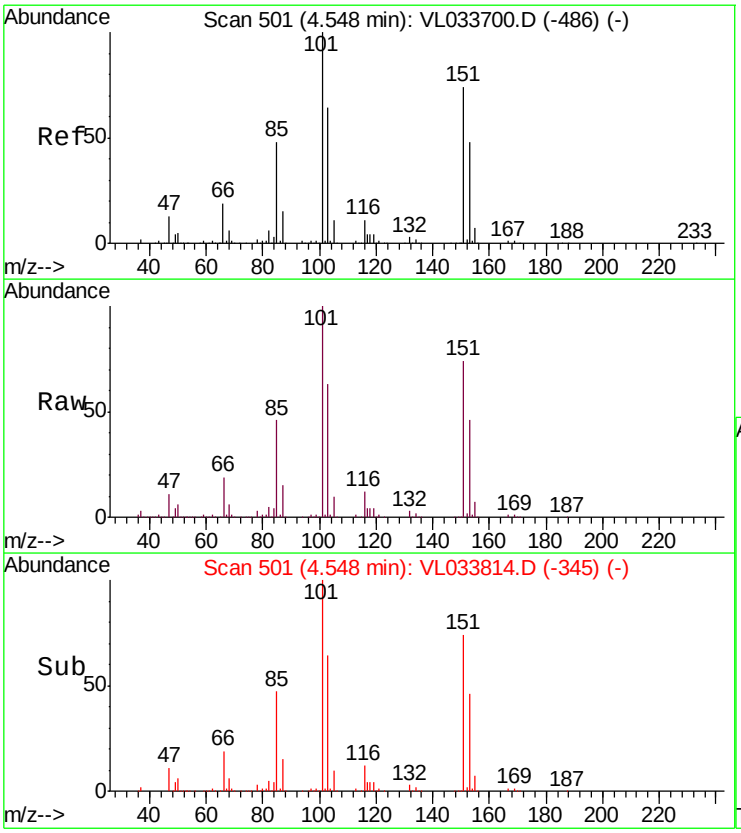
#11
Trichlorofluoromethane
Concen: 9.966 ppbv
RT: 4.00 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion:101 Resp: 1740924

Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.6	78.8

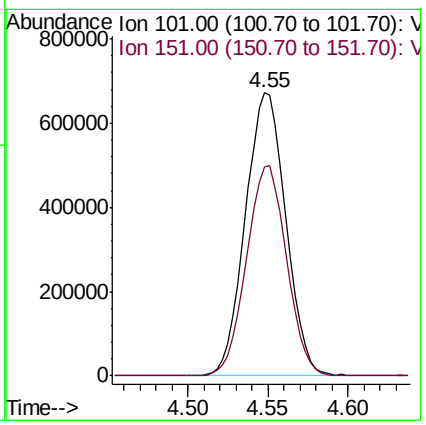


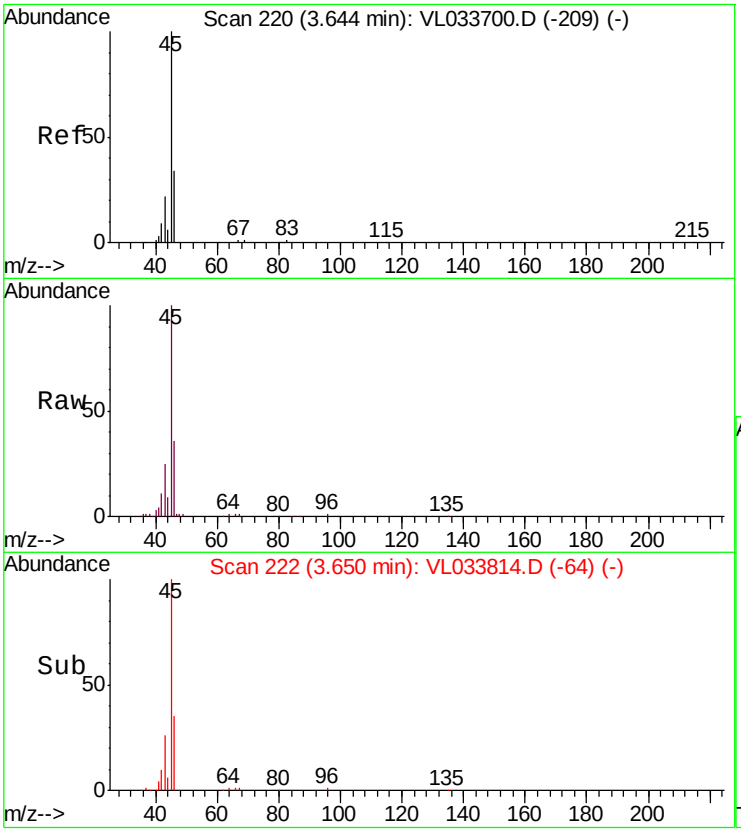


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.540 ppbv
RT: 4.55 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion:101 Resp: 1163738

Ion	Ratio	Lower	Upper
101	100		
151	73.8	58.2	87.4



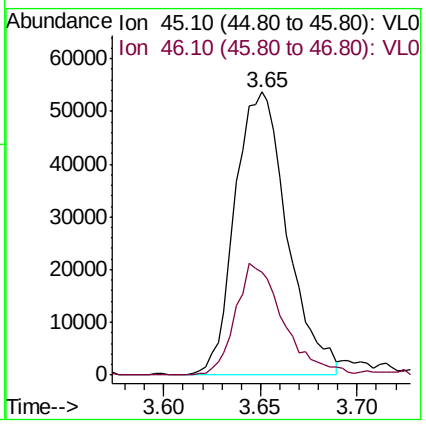


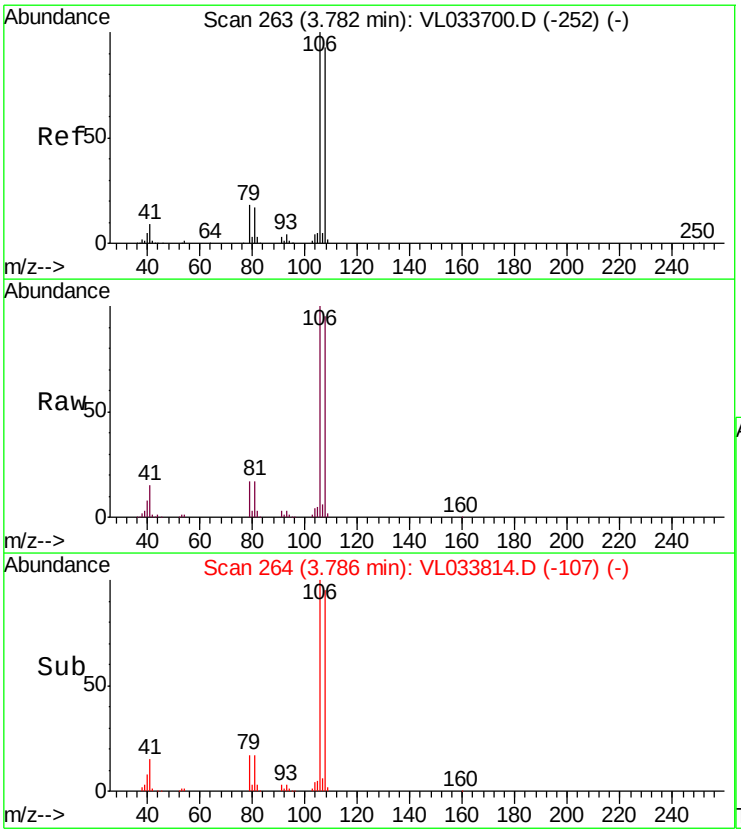
#13
Ethanol
Concen: 7.371 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.01 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion: 45 Resp: 100803

Ion	Ratio	Lower	Upper
45	100		
46	37.7	14.8	59.0

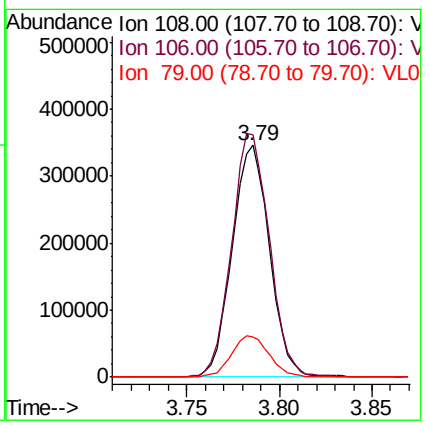


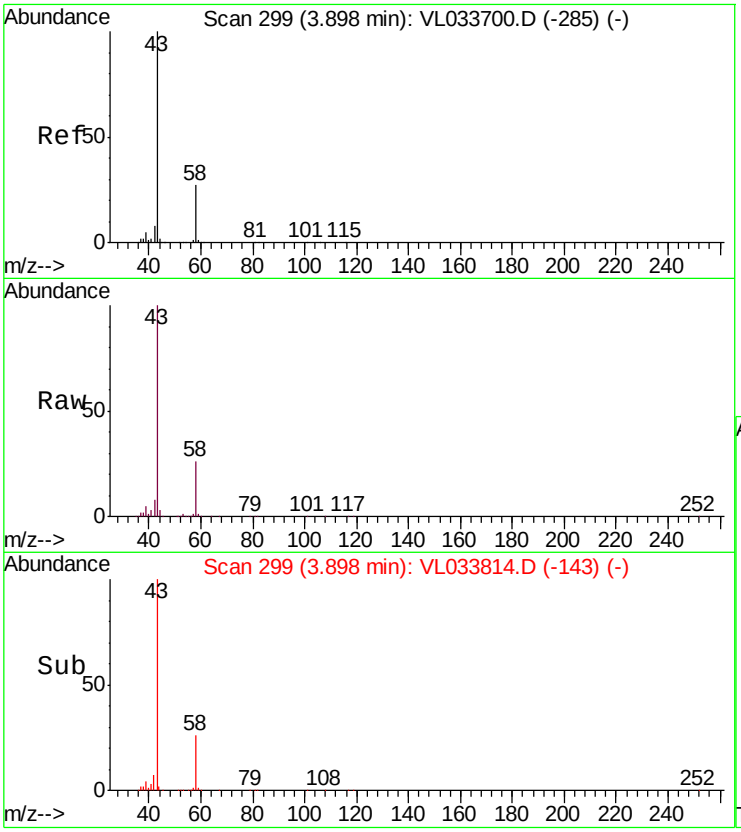


#14
Bromoethene
Concen: 10.834 ppbv
RT: 3.79 min Scan# 264
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion:108 Resp: 485865

Ion	Ratio	Lower	Upper
108	100		
106	106.6	86.5	129.7
79	18.4	15.1	22.7



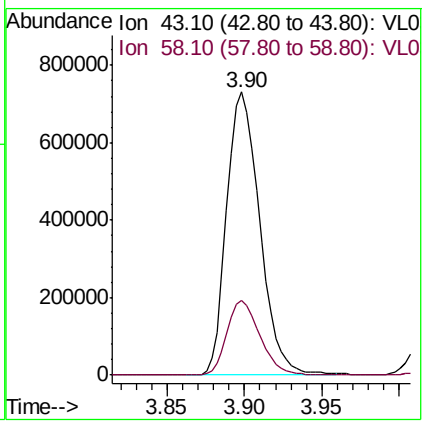


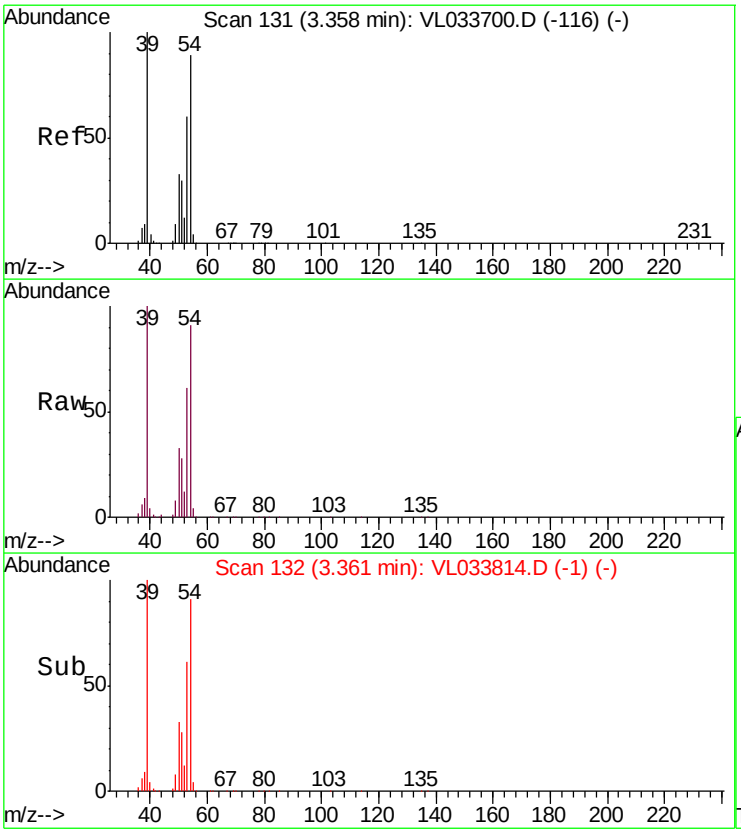
#15
Acetone
Concen: 8.994 ppbv
RT: 3.90 min Scan# 299
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion: 43 Resp: 1083816

Ion	Ratio	Lower	Upper
43	100		
58	26.3	21.3	31.9

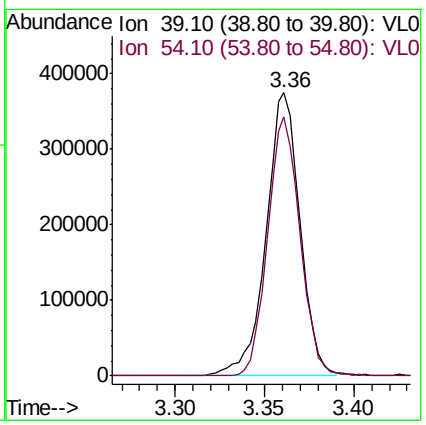


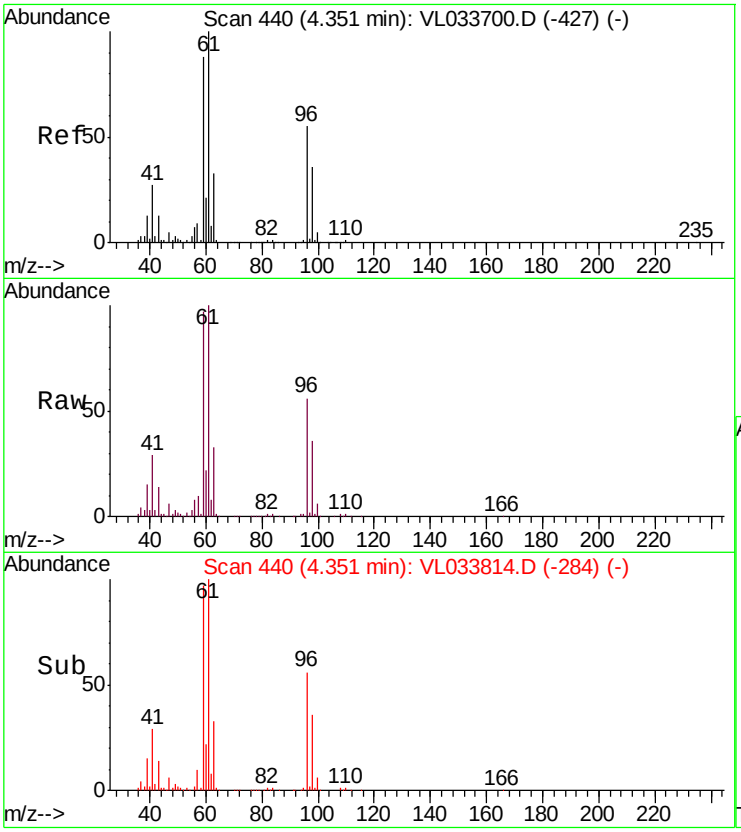


#16
1,3-Butadiene
Concen: 10.409 ppbv
RT: 3.36 min Scan# 132
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 39 Resp: 499458

Ion	Ratio	Lower	Upper
39	100		
54	87.6	69.0	103.6



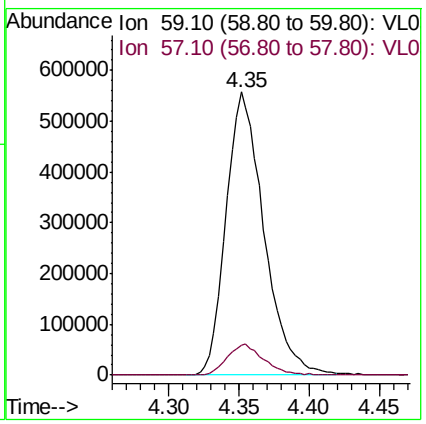


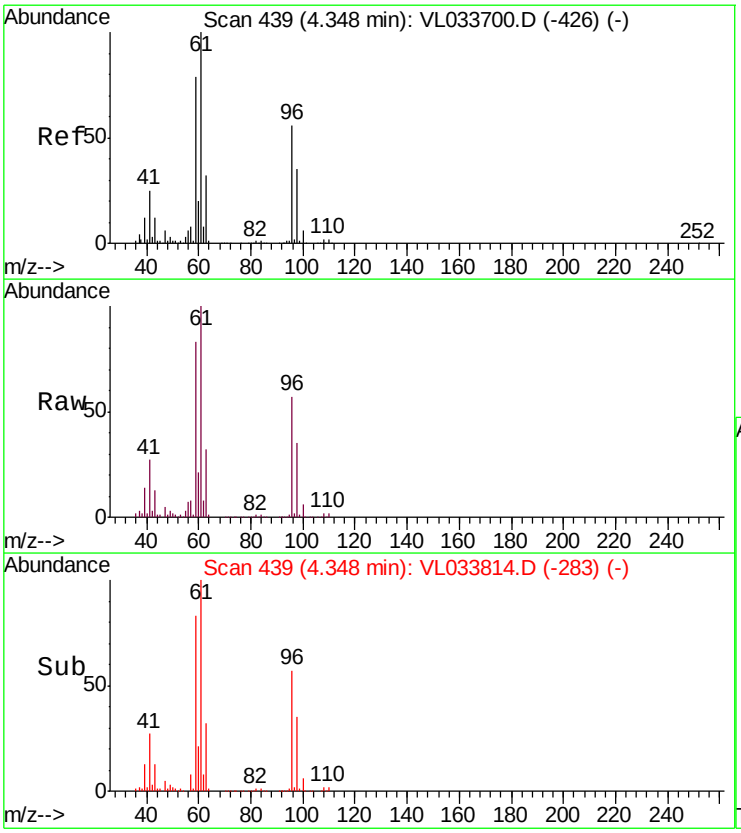
#17
tert-Butyl alcohol
Concen: 10.731 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion: 59 Resp: 1045591

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.4	12.6

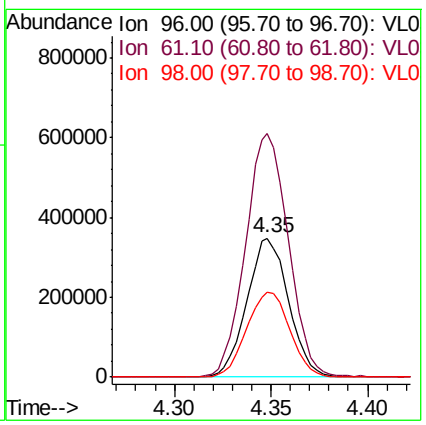


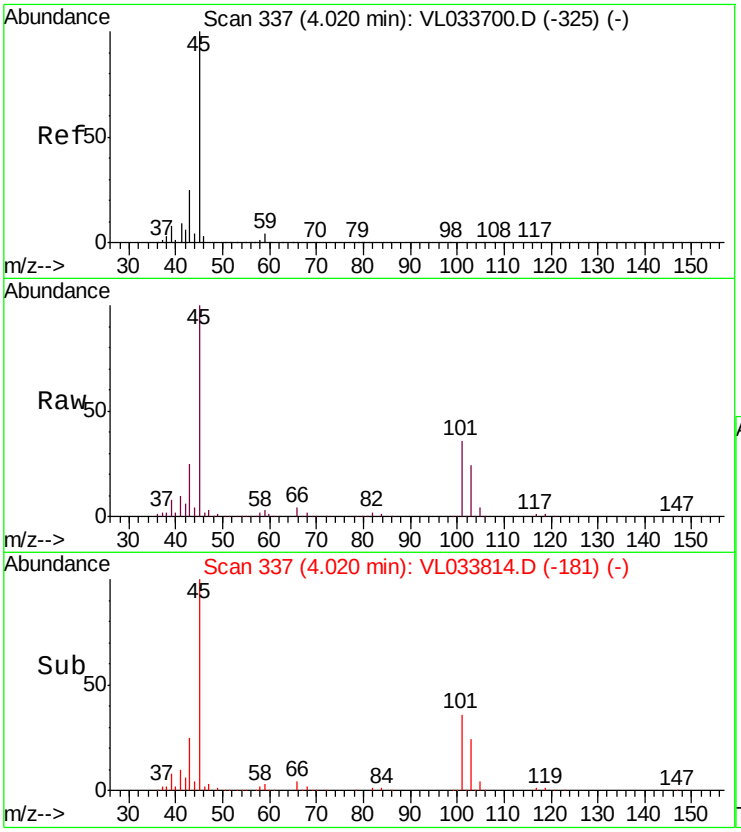


#18
1,1-Dichloroethene
Concen: 10.112 ppbv
RT: 4.35 min Scan# 439
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 96 Resp: 520656

Ion	Ratio	Lower	Upper
96	100		
61	174.7	143.1	214.7
98	61.4	49.5	74.3



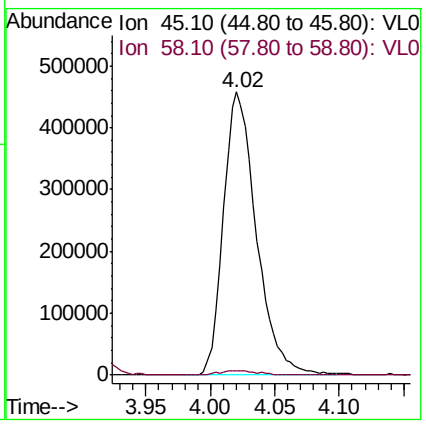


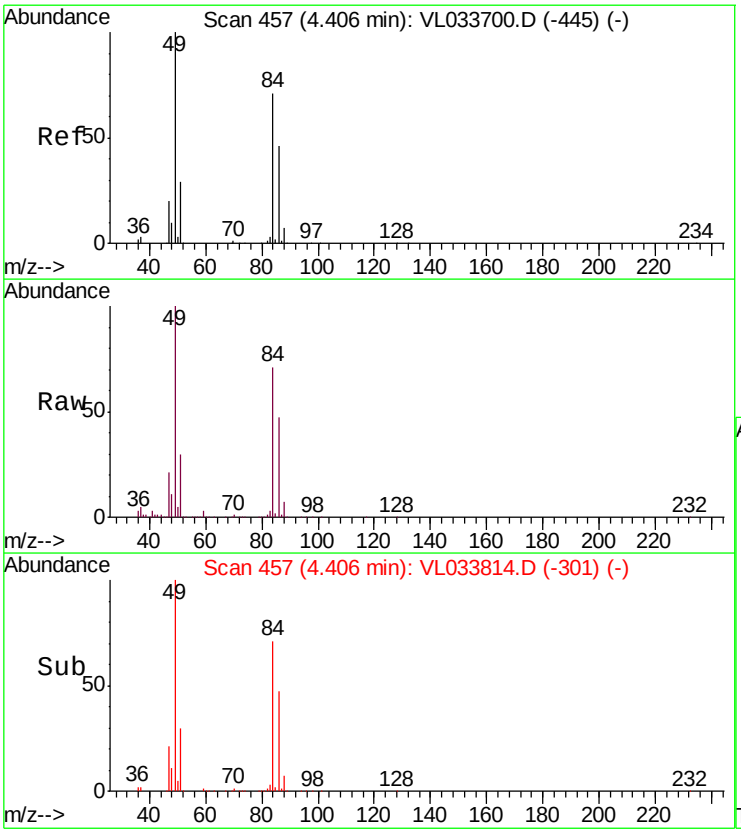
#19
Isopropyl Alcohol
Concen: 10.438 ppbv
RT: 4.02 min Scan# 337
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02DUP

Tgt Ion: 45 Resp: 810960

Ion	Ratio	Lower	Upper
45	100		
58	2.3	1.6	2.4

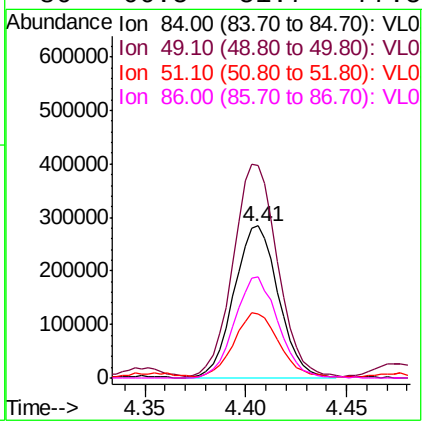


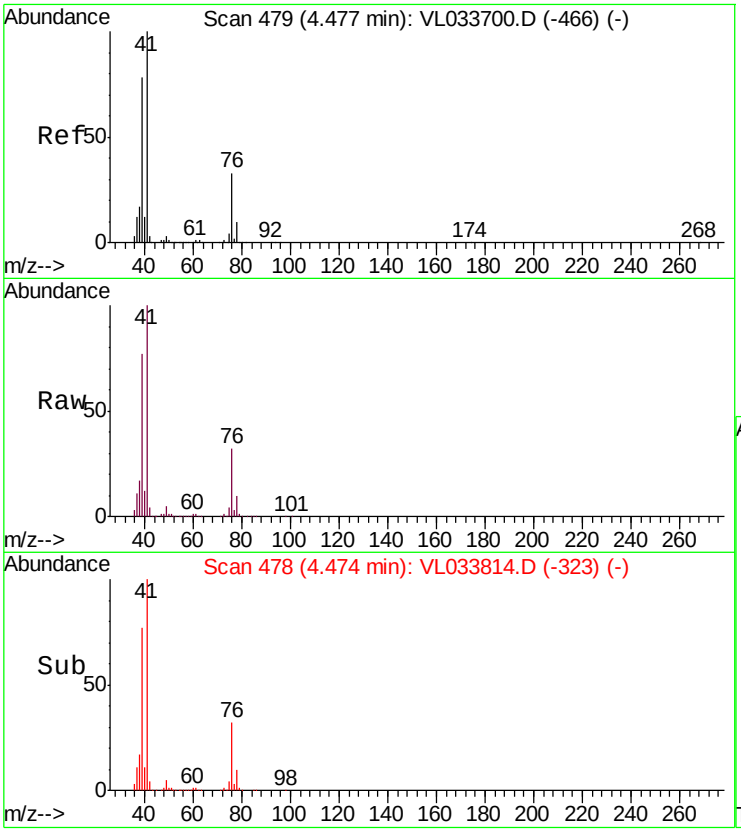


#20
Methylene Chloride
Concen: 9.399 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 84 Resp: 436056

Ion	Ratio	Lower	Upper
84	100		
49	139.3	112.8	169.2
51	41.3	33.4	50.0
86	66.5	51.7	77.5



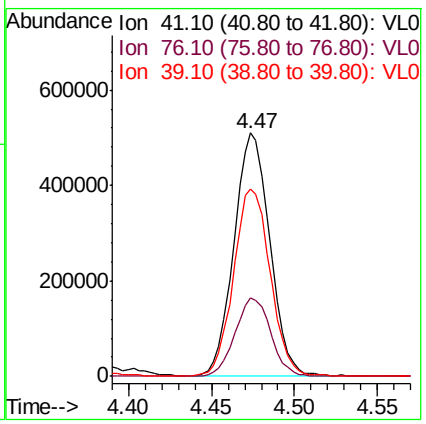


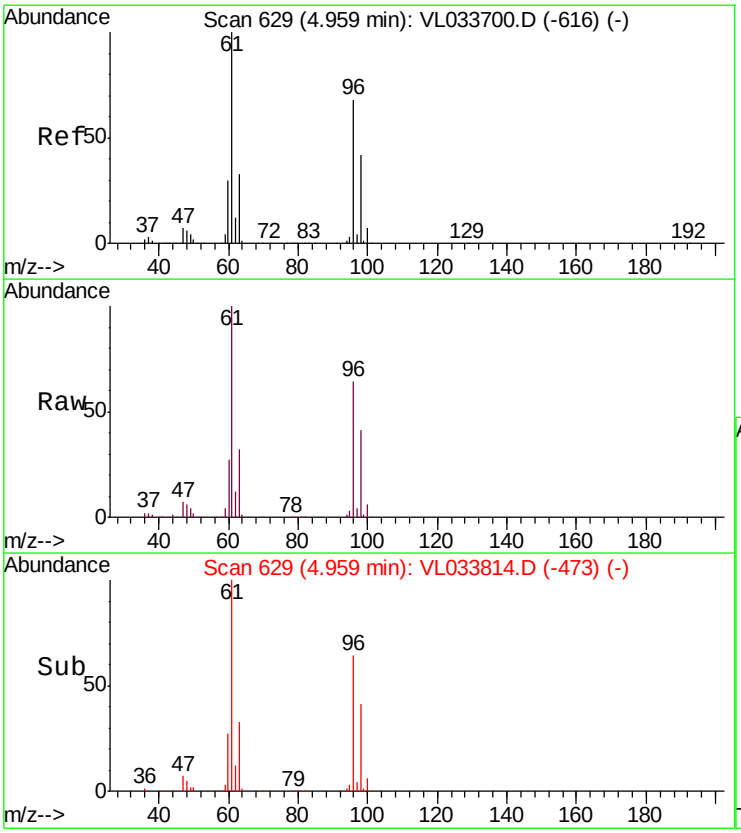
#21
Allyl Chloride
Concen: 10.165 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02DUP

Tgt Ion: 41 Resp: 763999

Ion	Ratio	Lower	Upper
41	100		
76	32.2	25.9	38.9
39	78.9	64.6	97.0

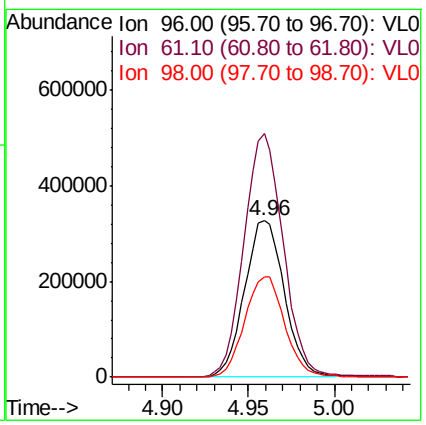


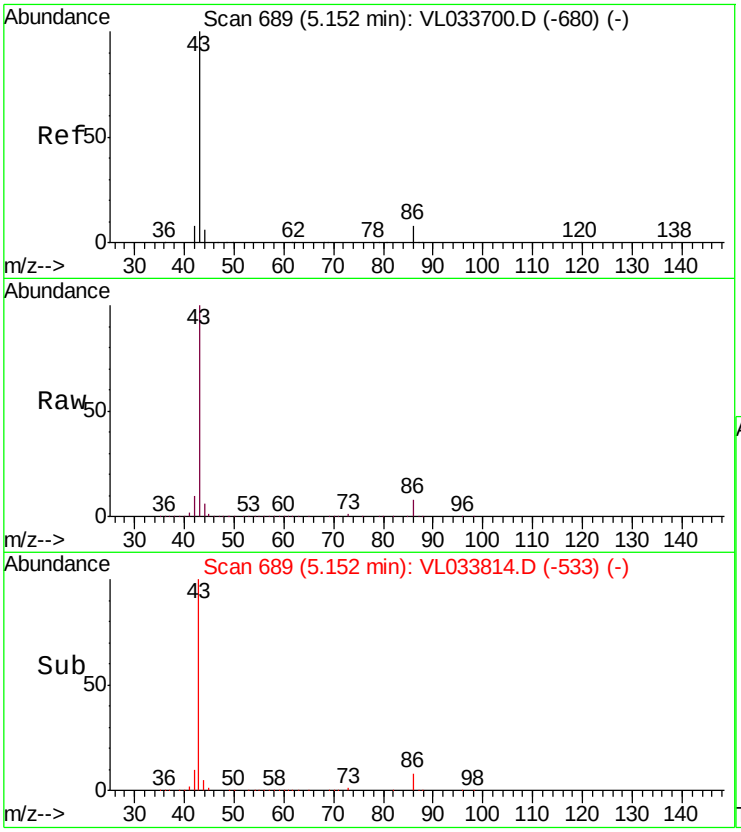


#22
trans-1,2-Dichloroethene
Concen: 9.973 ppbv
RT: 4.96 min Scan# 629
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 96 Resp: 526315

Ion	Ratio	Lower	Upper
96	100		
61	155.7	116.8	175.2
98	64.1	49.4	74.0



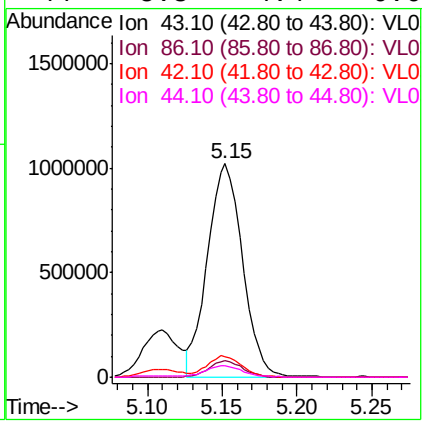


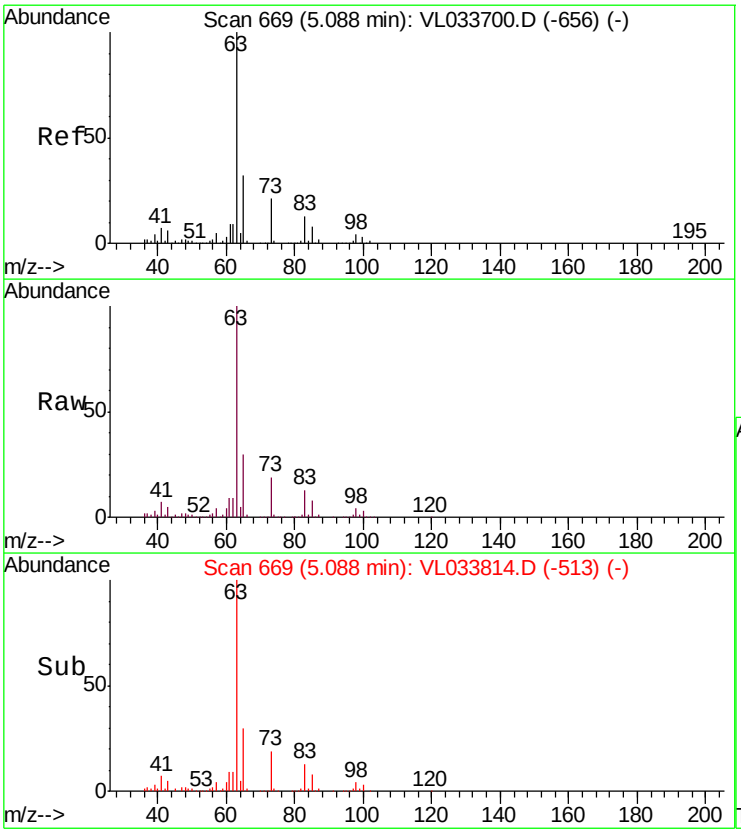
#23
Vinyl Acetate
Concen: 10.478 ppbv
RT: 5.15 min Scan# 689
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02DUP

Tgt Ion: 43 Resp: 1664727

Ion	Ratio	Lower	Upper
43	100		
86	7.7	6.0	9.0
42	9.6	7.5	11.3
44	5.3	4.4	6.6

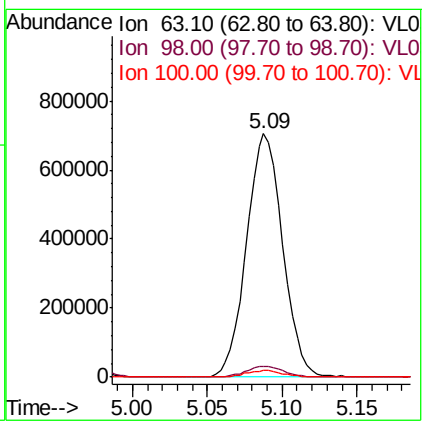


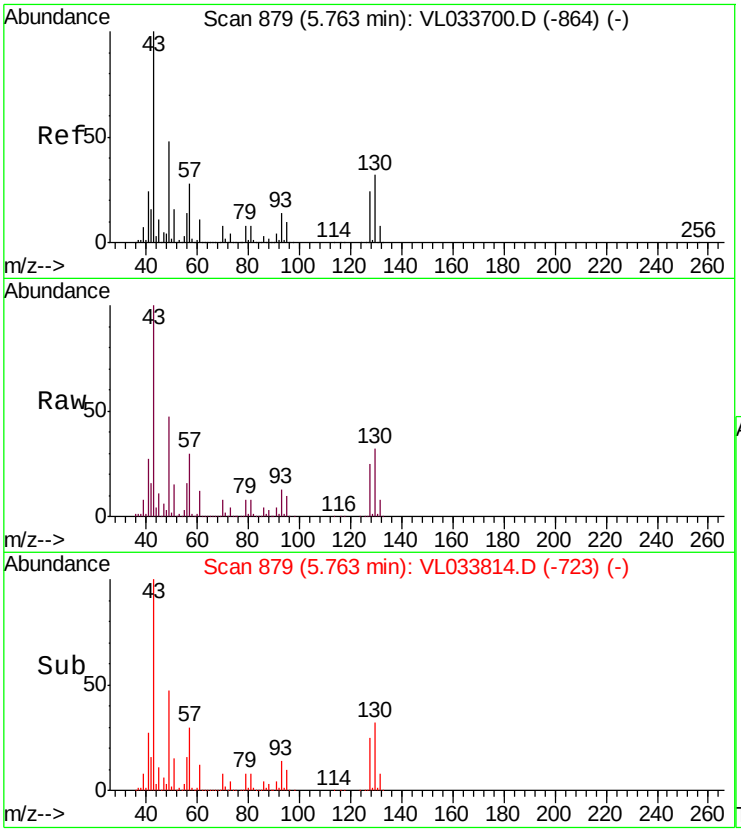


#24
1,1-Dichloroethane
Concen: 9.783 ppbv
RT: 5.09 min Scan# 669
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 63 Resp: 1181545

Ion	Ratio	Lower	Upper
63	100		
98	4.2	1.8	5.5
100	2.7	1.4	4.2



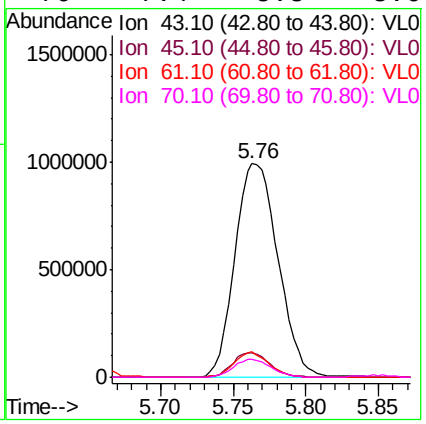


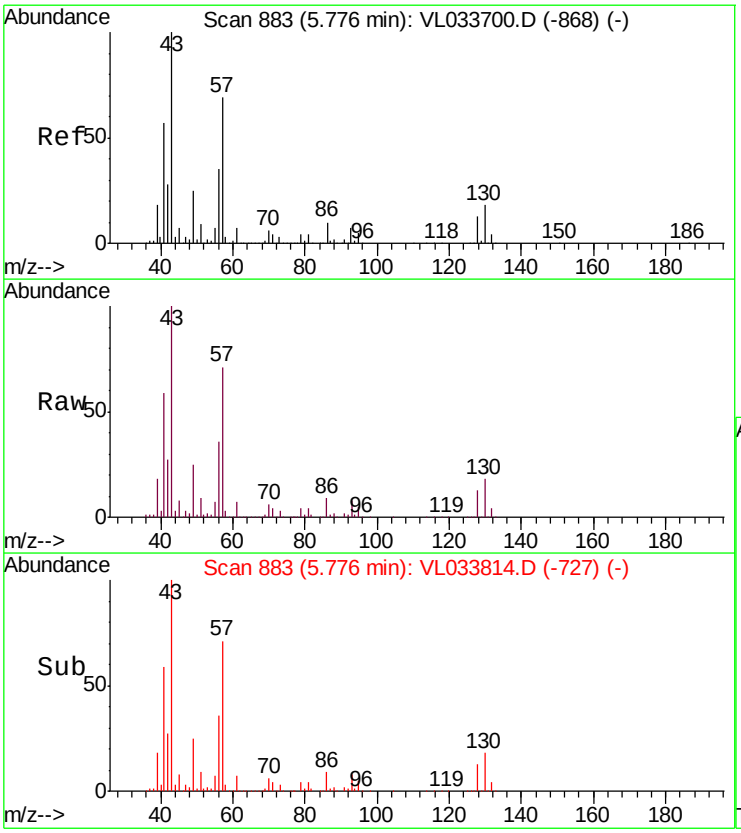
#25
Ethyl Acetate
Concen: 9.658 ppbv
RT: 5.76 min Scan# 879
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion: 43 Resp: 2044330

Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.9	11.9
61	9.6	7.7	11.5
70	7.4	5.8	8.6

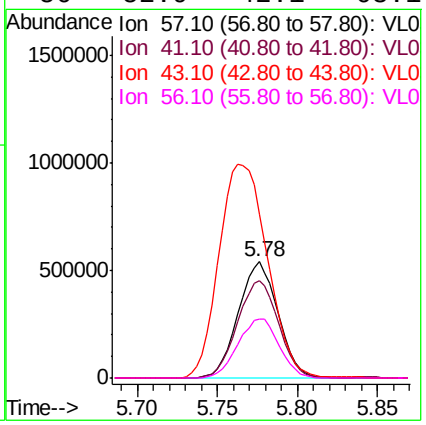


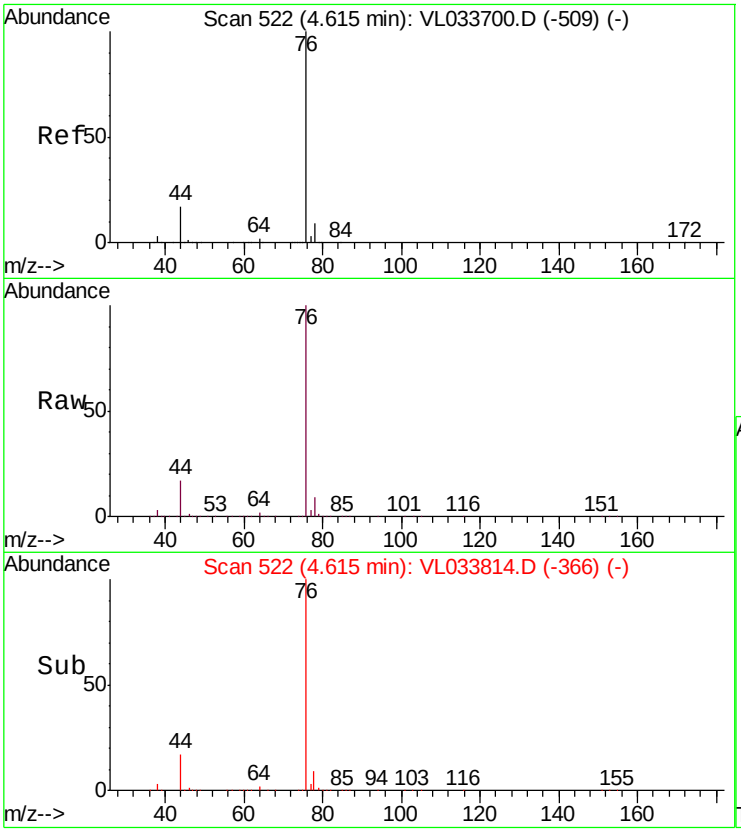


#26
Hexane
Concen: 9.993 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 57 Resp: 909383

Ion	Ratio	Lower	Upper
57	100		
41	87.6	69.8	104.6
43	226.2	181.8	272.6
56	52.9	42.1	63.1



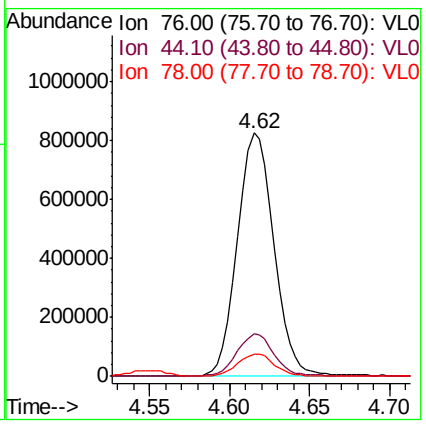


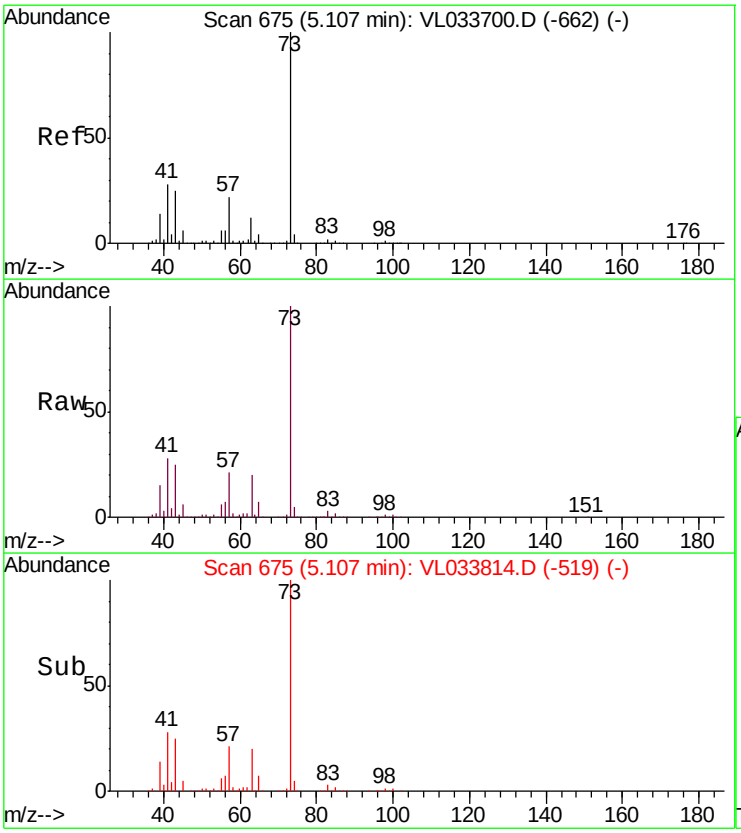
#27
Carbon Disulfide
Concen: 10.293 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion: 76 Resp: 1285036

Ion	Ratio	Lower	Upper
76	100		
44	17.6	13.8	20.8
78	9.2	7.4	11.0

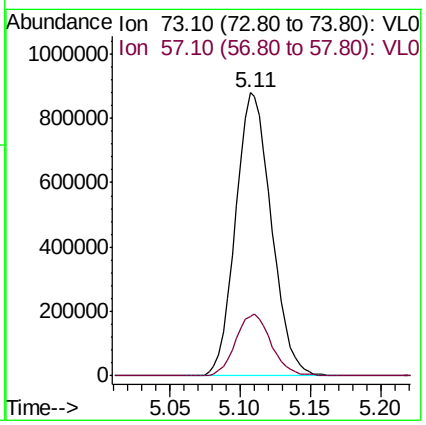


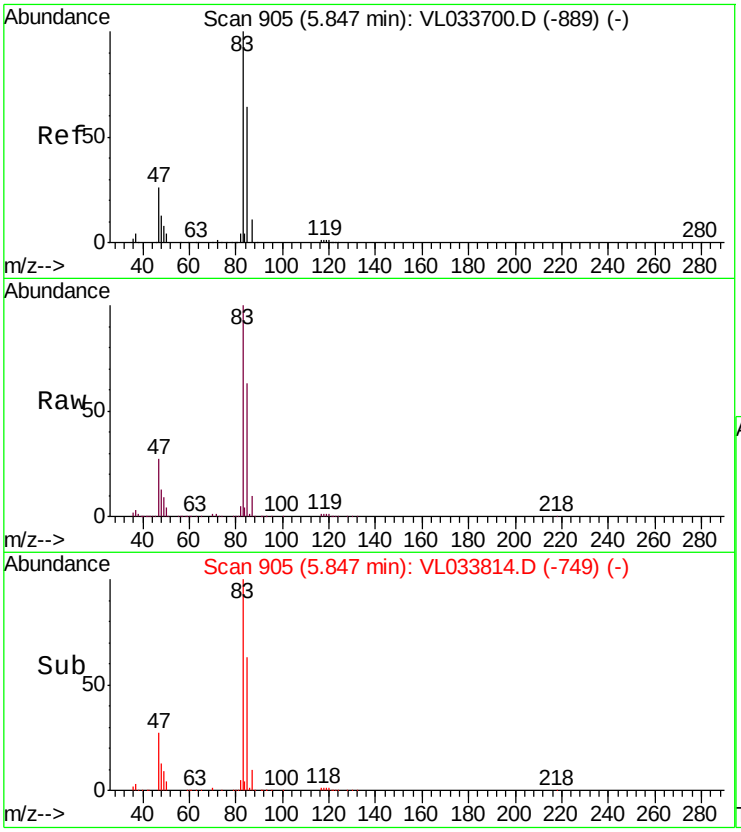


#28
Methyl tert-Butyl Ether
Concen: 10.549 ppbv
RT: 5.11 min Scan# 675
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 73 Resp: 1565030

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.4	26.2



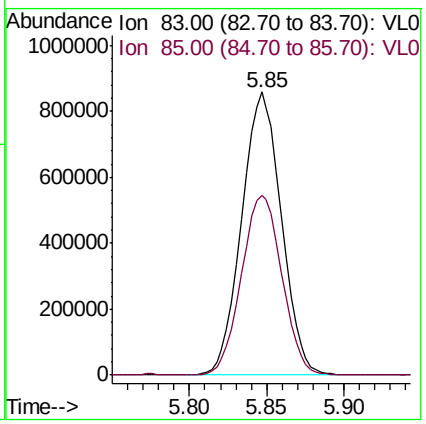


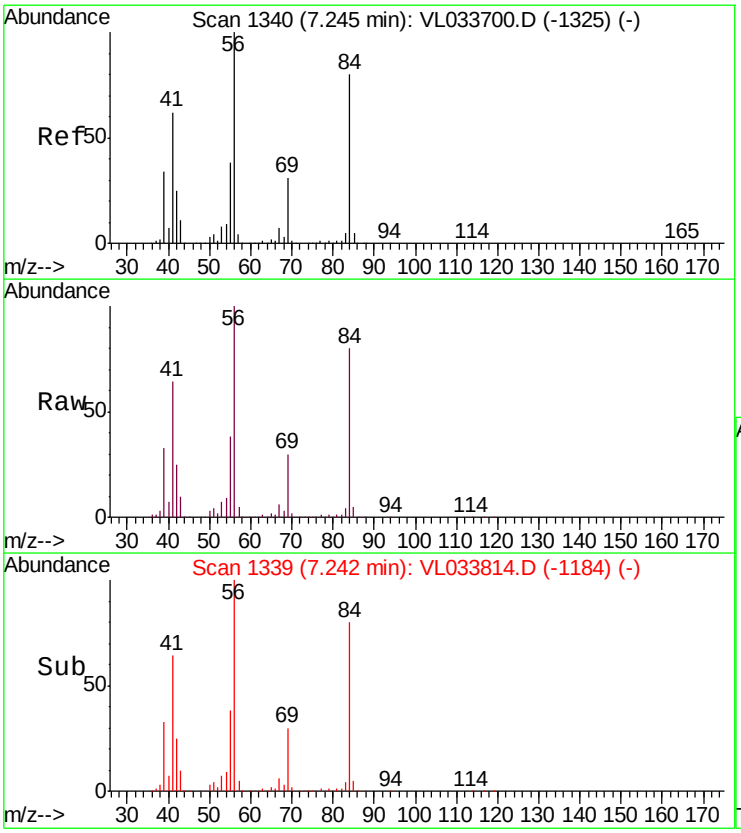
#29
Chloroform
Concen: 9.142 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion: 83 Resp: 1532387

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.5	77.3

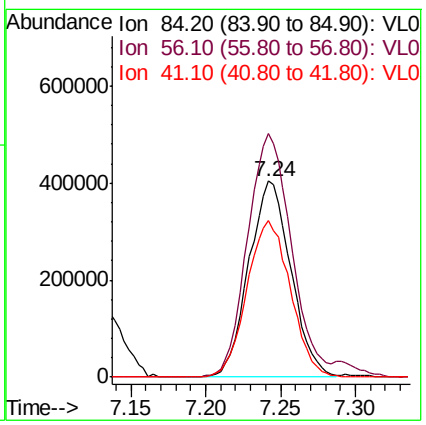


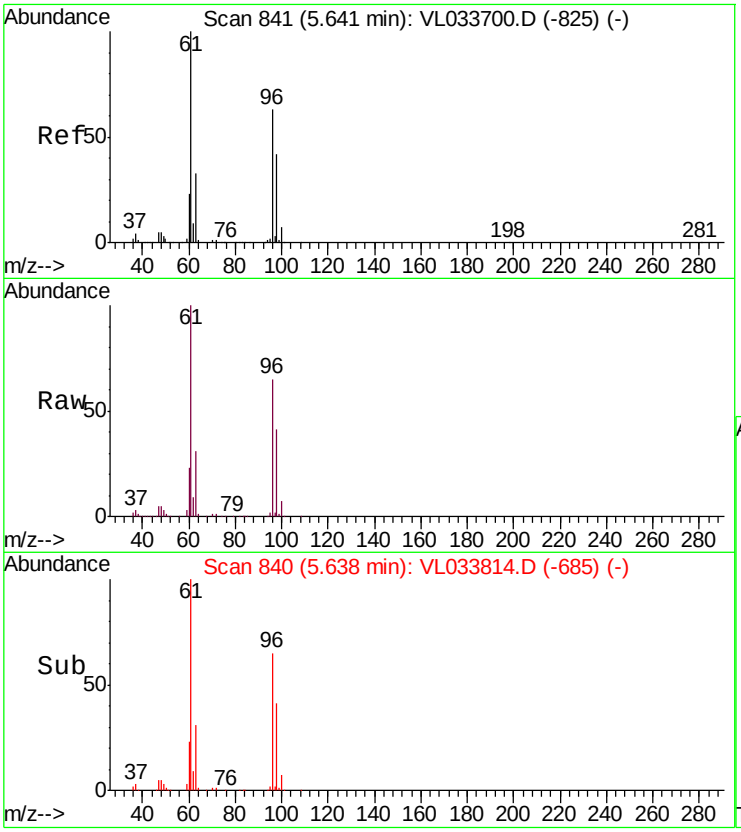


#30
Cyclohexane
Concen: 10.340 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 84 Resp: 791091

Ion	Ratio	Lower	Upper
84	100		
56	134.2	107.7	161.5
41	82.3	66.0	99.0



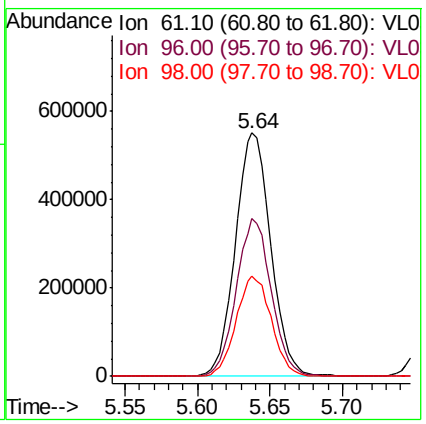


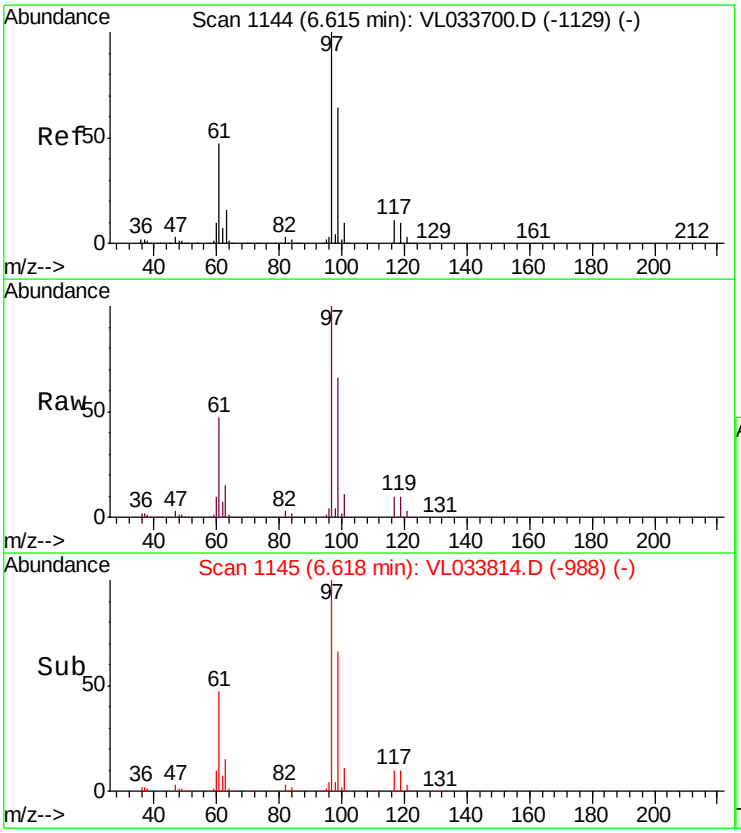
#31
cis-1,2-Dichloroethene
Concen: 10.342 ppbv
RT: 5.64 min Scan# 840
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion: 61 Resp: 933138

Ion	Ratio	Lower	Upper
61	100		
96	64.9	50.8	76.2
98	41.3	33.3	49.9

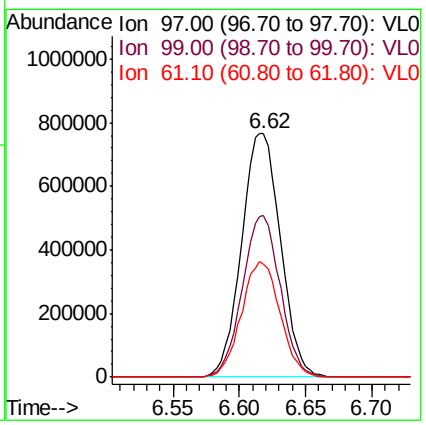


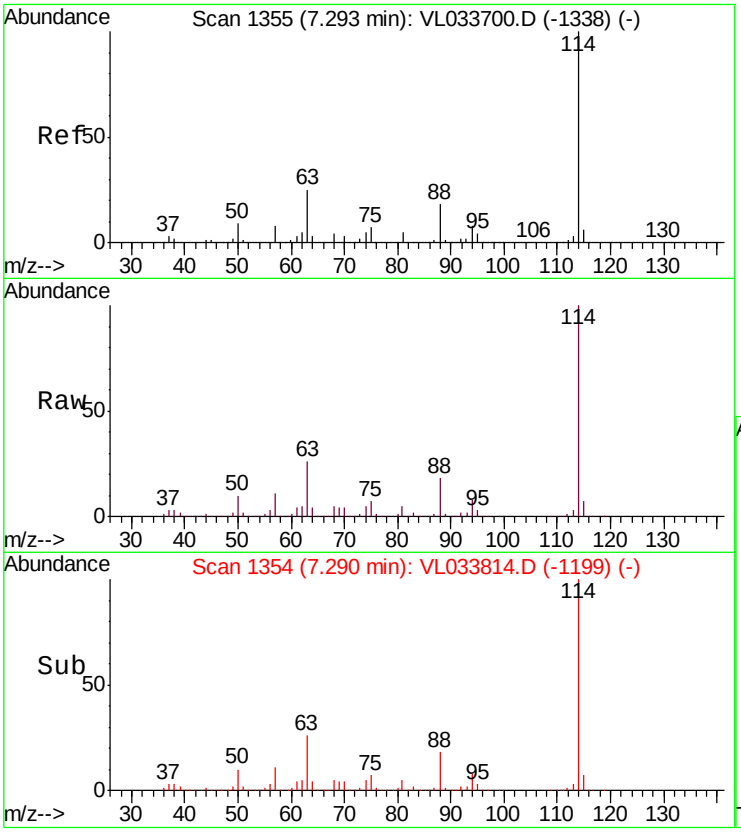


#32
1,1,1-Trichloroethane
Concen: 9.360 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 97 Resp: 1566666

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.5	77.3
61	47.3	37.8	56.8



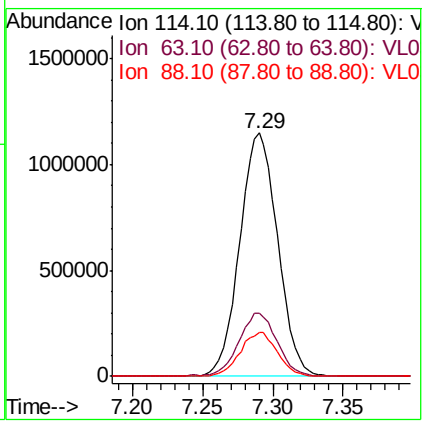


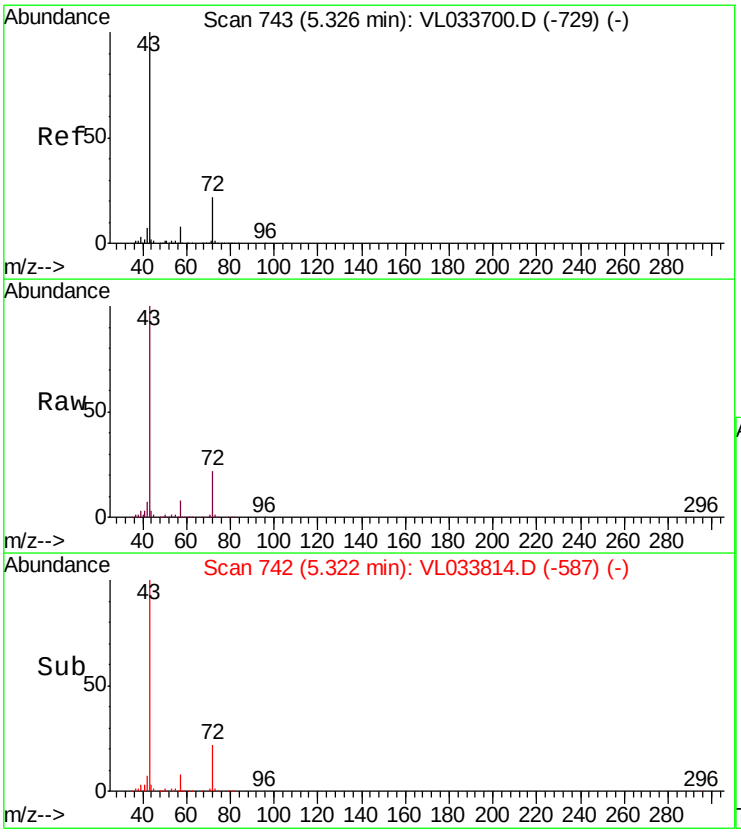
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion:114 Resp: 2167541

Ion	Ratio	Lower	Upper
114	100		
63	26.5	20.9	31.3
88	17.8	14.3	21.5

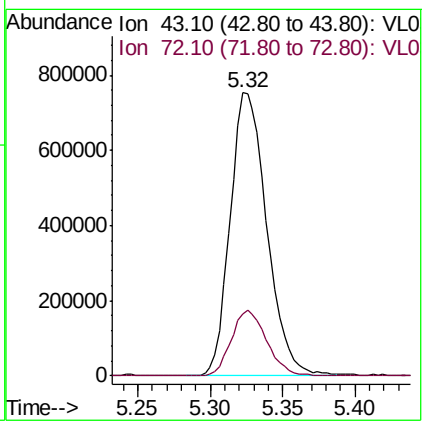


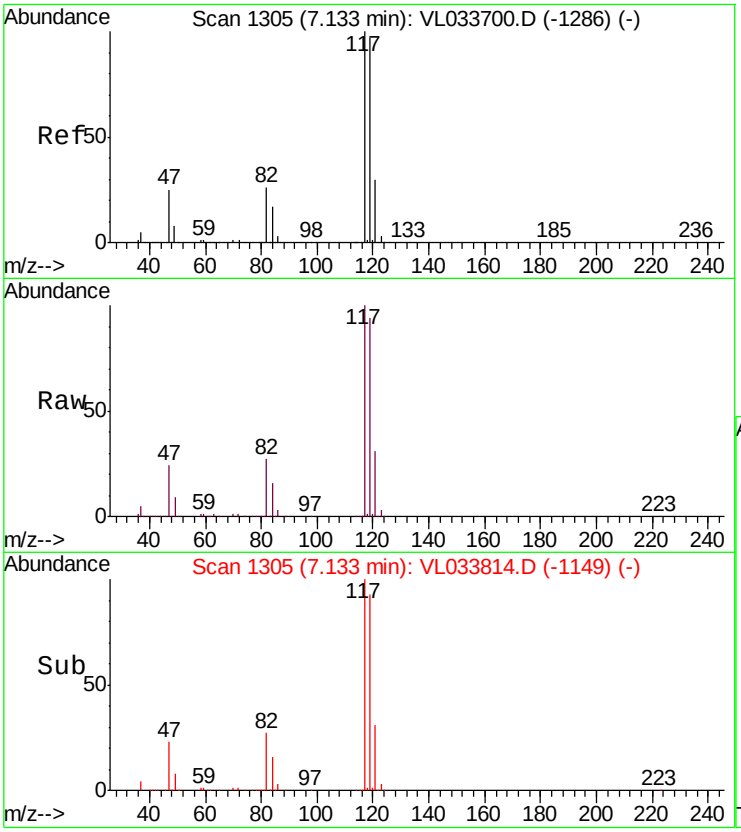


#34
2-Butanone
Concen: 9.816 ppbv
RT: 5.32 min Scan# 742
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 43 Resp: 1318840

Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.8	26.6



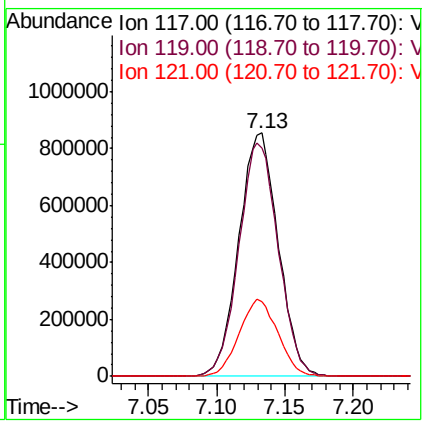


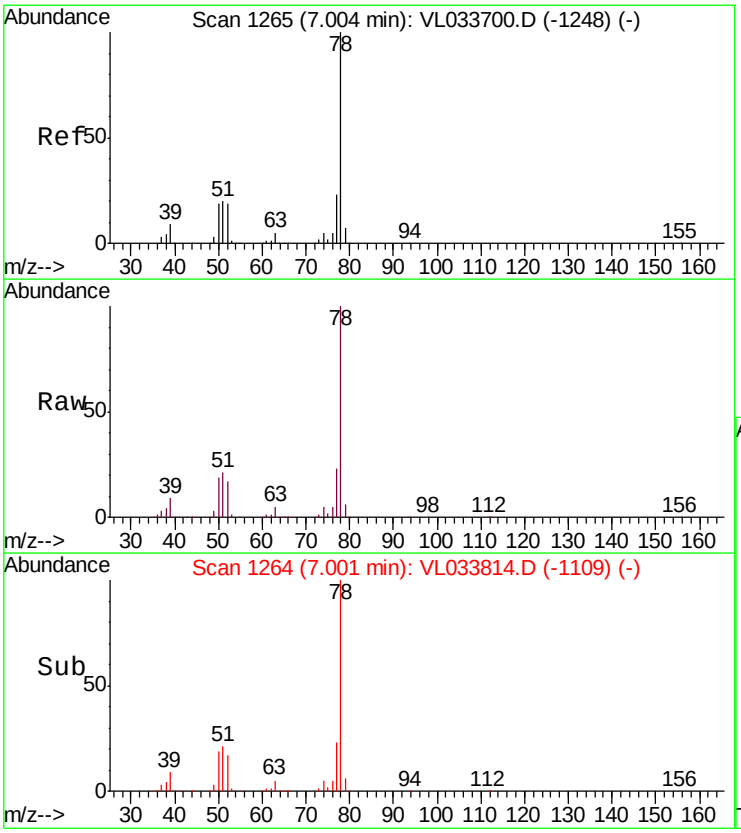
#35
Carbon Tetrachloride
Concen: 9.871 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion:117 Resp: 1713935

Ion	Ratio	Lower	Upper
117	100		
119	93.8	77.2	115.8
121	30.7	24.1	36.1

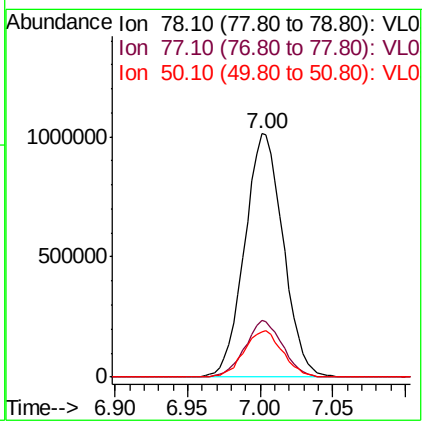


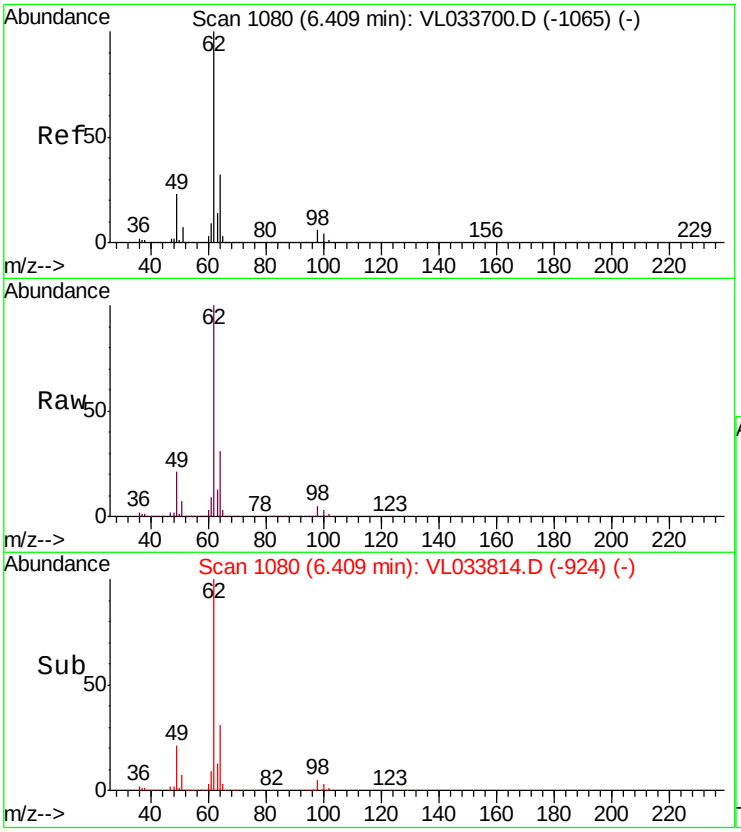


#36
Benzene
Concen: 9.493 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 78 Resp: 1871772

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.4	27.6
50	18.5	15.5	23.3



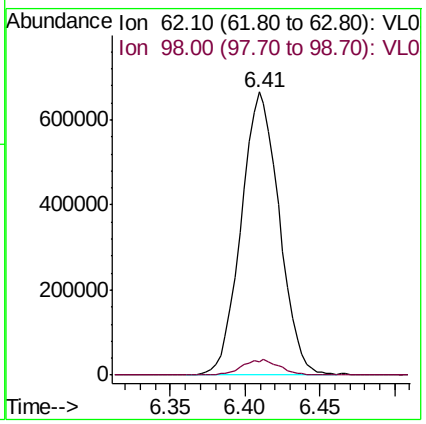


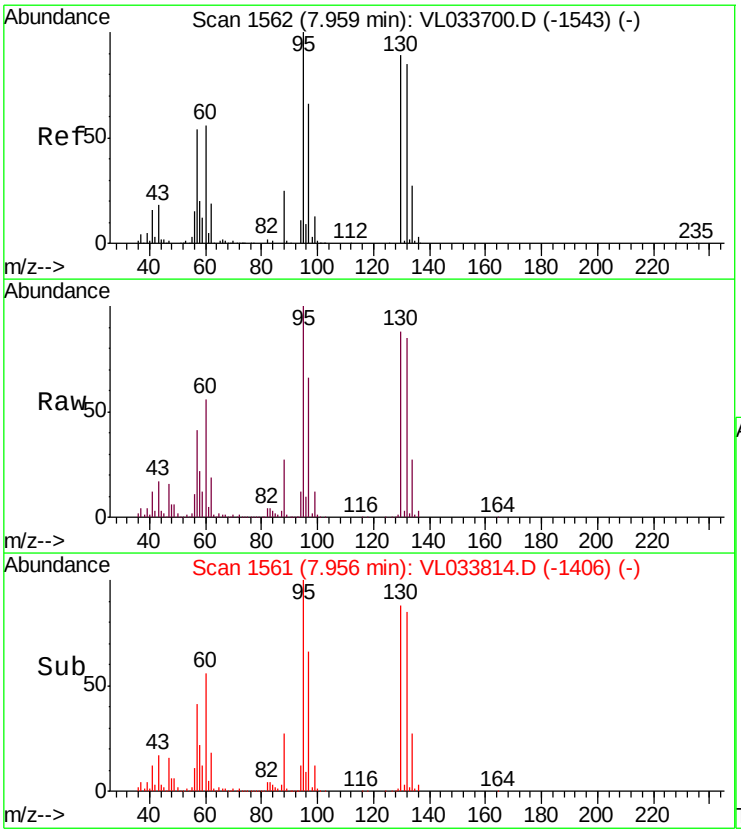
#37
1,2-Dichloroethane
Concen: 9.269 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02DUP

Tgt Ion: 62 Resp: 1178969

Ion	Ratio	Lower	Upper
62	100		
98	5.6	4.5	6.7

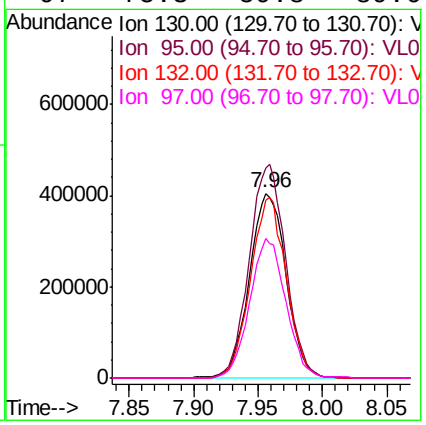


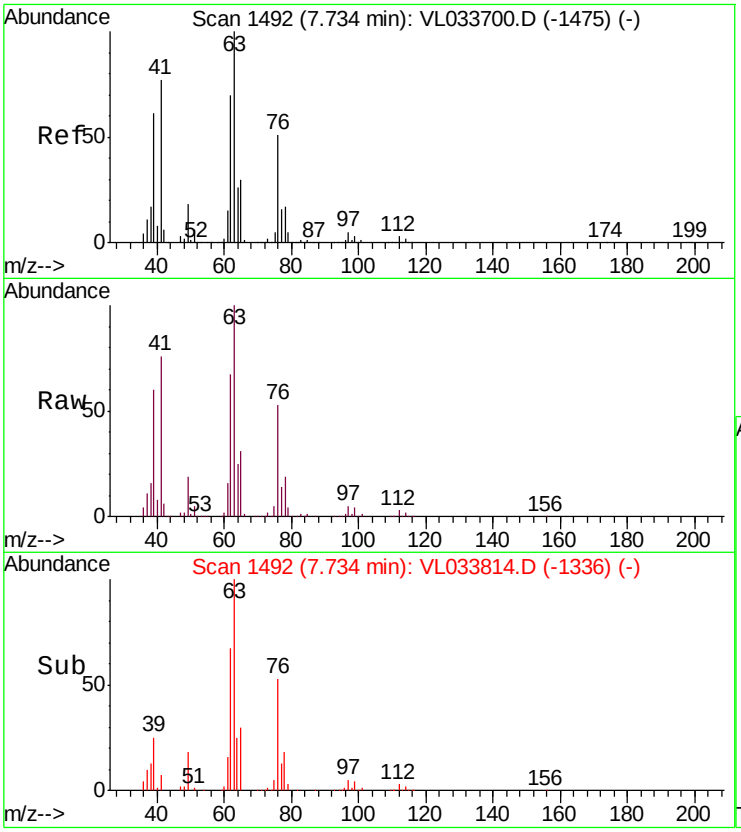


#38
Trichloroethene
Concen: 10.938 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion:130 Resp: 800271

Ion	Ratio	Lower	Upper
130	100		
95	113.6	90.2	135.4
132	96.2	76.4	114.6
97	75.3	59.8	89.6



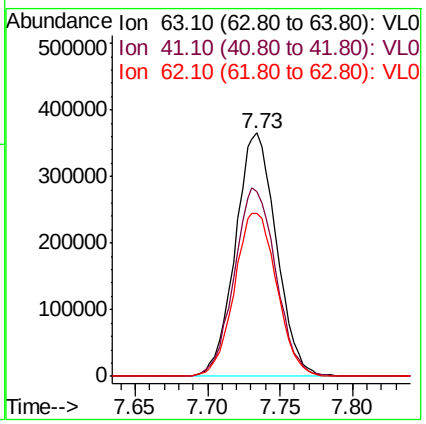


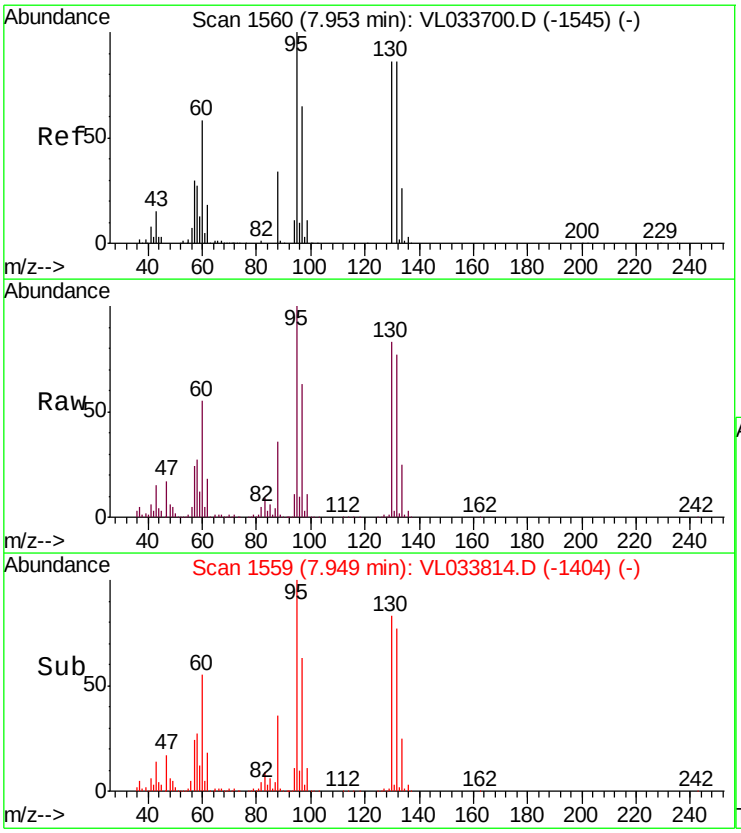
#39
1,2-Dichloropropane
Concen: 9.753 ppbv
RT: 7.73 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02DUP

Tgt Ion: 63 Resp: 716958

Ion	Ratio	Lower	Upper
63	100		
41	75.9	61.5	92.3
62	66.6	56.2	84.4

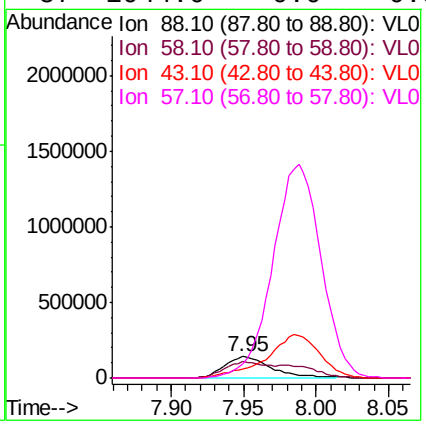


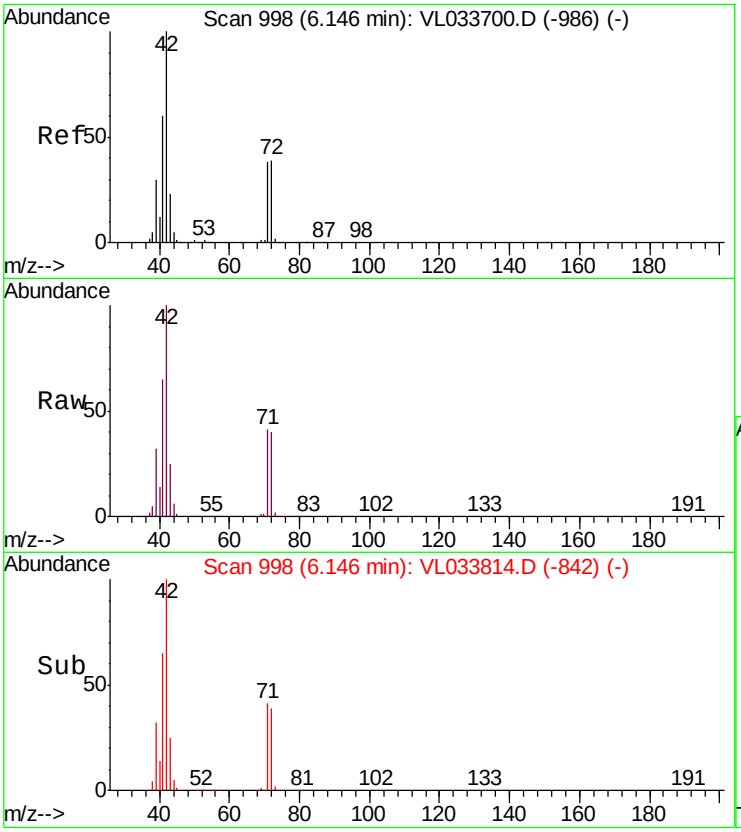


#40
1,4-Dioxane
Concen: 10.271 ppbv
RT: 7.95 min Scan# 1559
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 88 Resp: 315835

Ion	Ratio	Lower	Upper
88	100		
58	120.7	101.8	152.6
43	234.5	0.0	0.0#
57	1044.0	0.0	0.0#



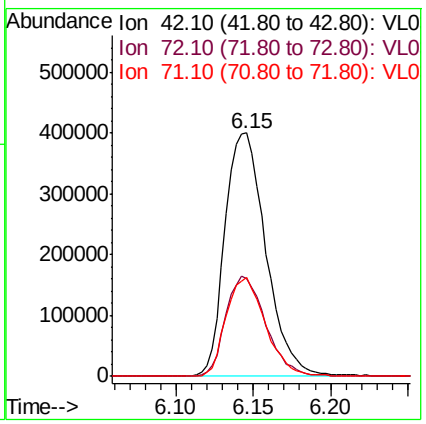


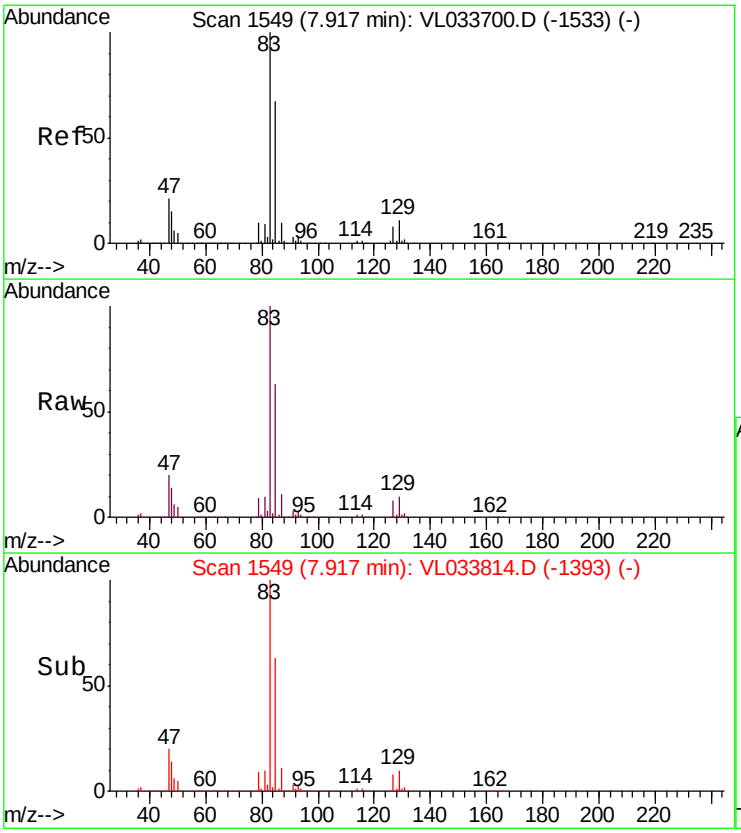
#41
Tetrahydrofuran
Concen: 9.736 ppbv
RT: 6.15 min Scan# 998
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion: 42 Resp: 732865

Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.0	48.0
71	39.3	30.4	45.6

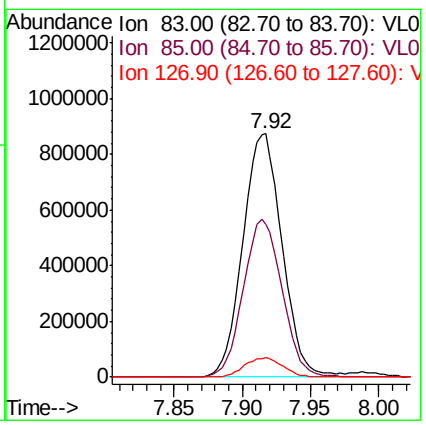


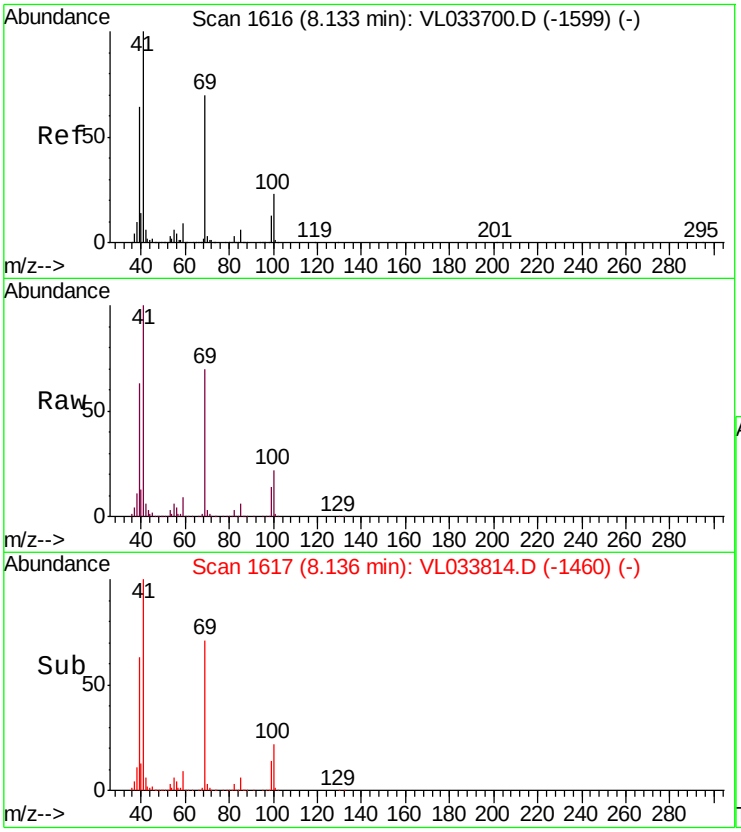


#42
Bromodichloromethane
Concen: 10.023 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 83 Resp: 1745315

Ion	Ratio	Lower	Upper
83	100		
85	62.6	53.3	79.9
127	7.9	6.5	9.7



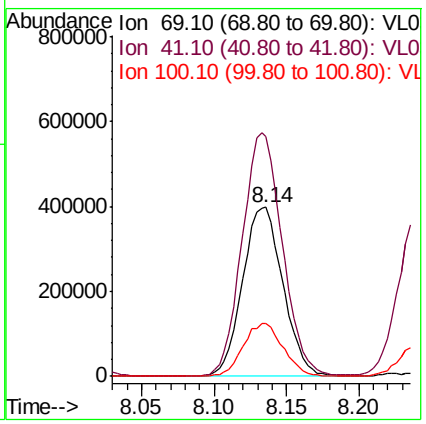


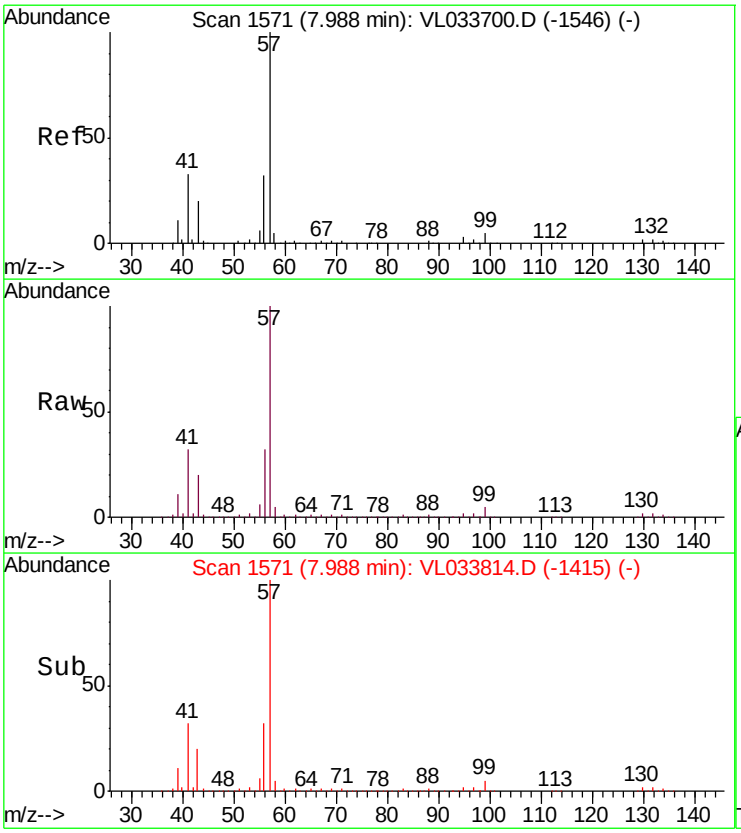
#43
Methyl Methacrylate
Concen: 10.658 ppbv
RT: 8.14 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02DUP

Tgt Ion: 69 Resp: 773374

Ion	Ratio	Lower	Upper
69	100		
41	143.0	116.3	174.5
100	30.9	25.3	37.9

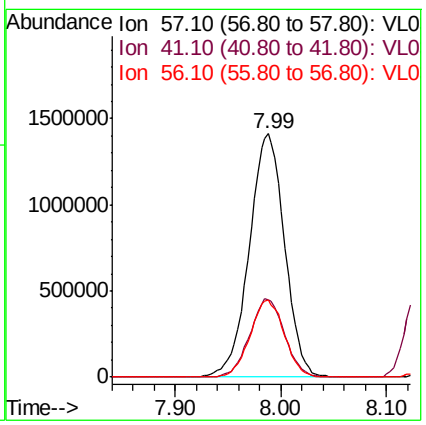


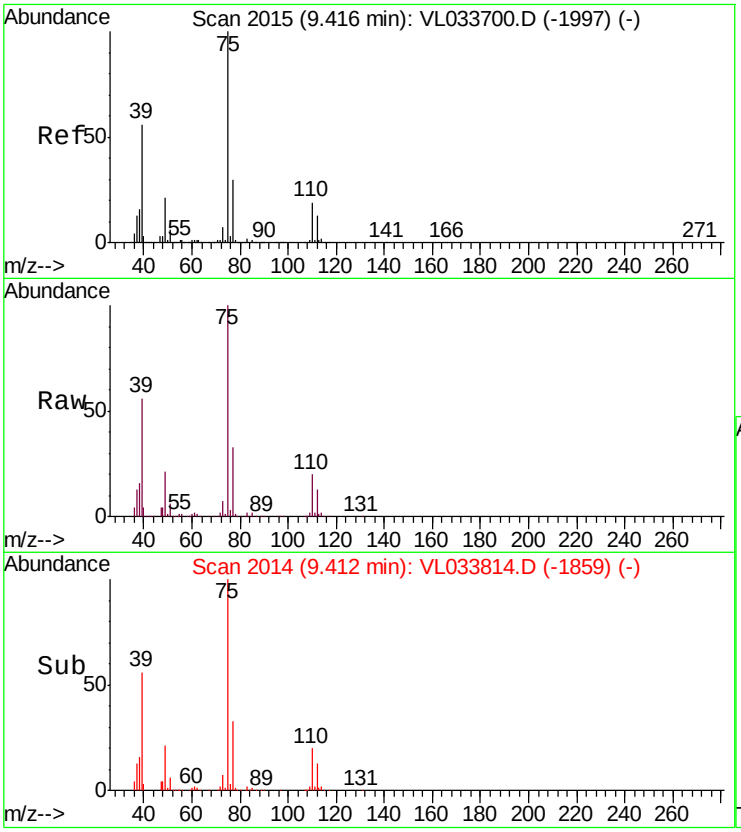


#44
2,2,4-Trimethylpentane
Concen: 9.888 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 57 Resp: 3294977

Ion	Ratio	Lower	Upper
57	100		
41	31.5	25.4	38.0
56	30.7	24.7	37.1



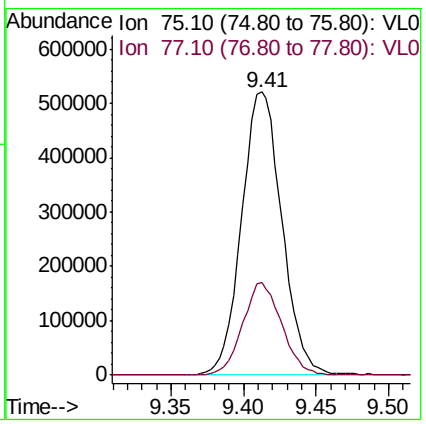


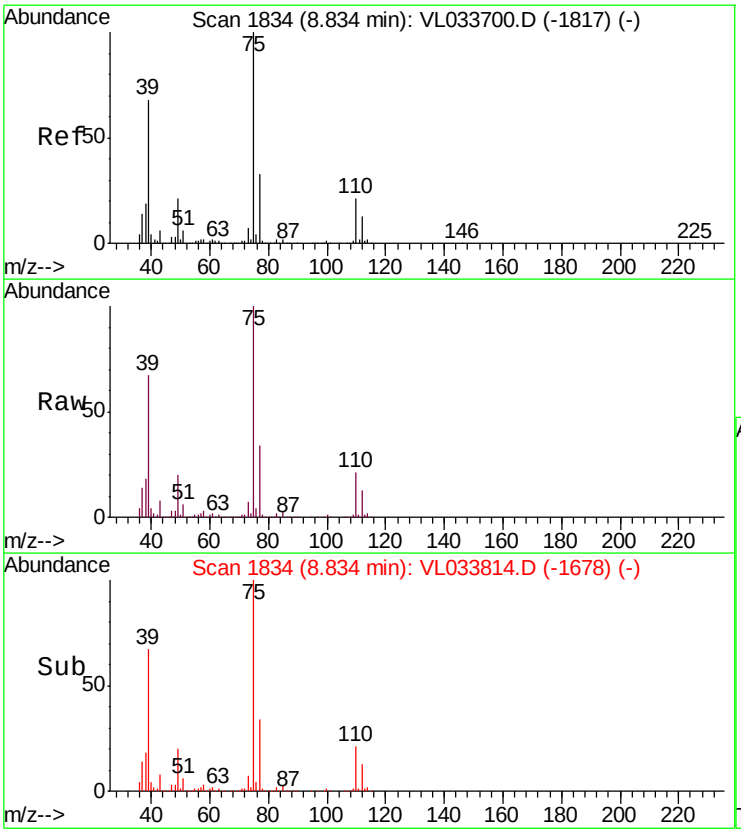
#45
t-1,3-Dichloropropene
Concen: 10.952 ppbv
RT: 9.41 min Scan# 2014
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion: 75 Resp: 1007447

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.4	36.6

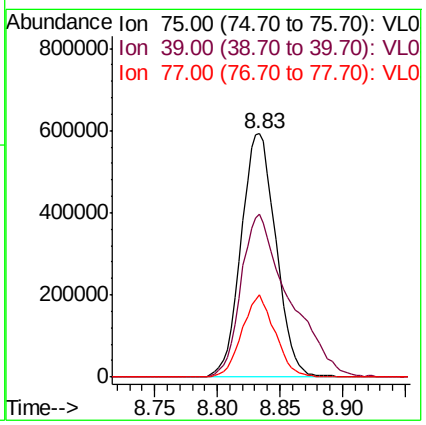


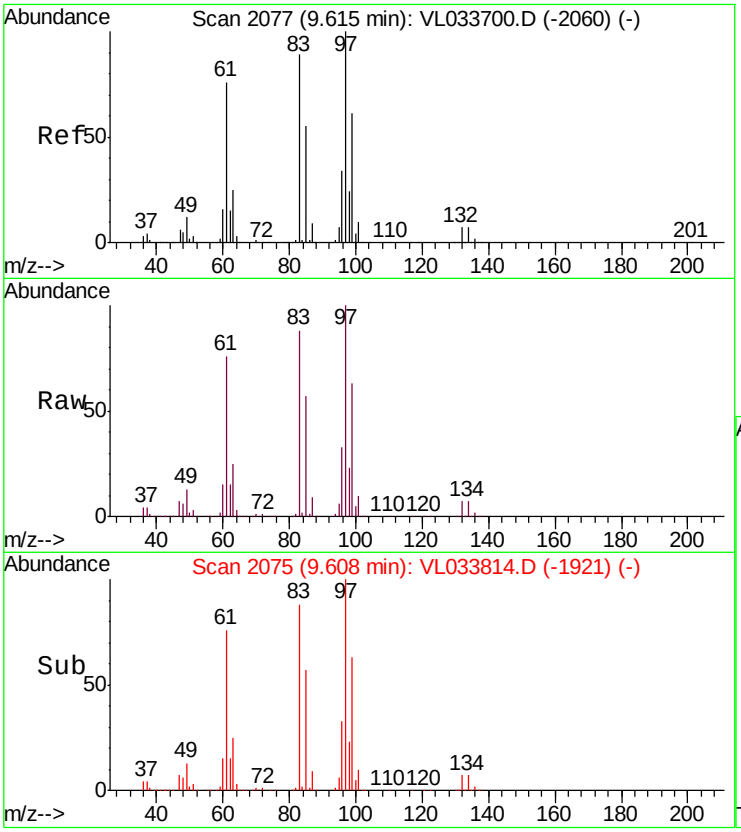


#46
cis-1,3-Dichloropropene
Concen: 10.621 ppbv
RT: 8.83 min Scan# 1834
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 75 Resp: 1144048

Ion	Ratio	Lower	Upper
75	100		
39	67.0	54.4	81.6
77	33.6	26.6	39.8



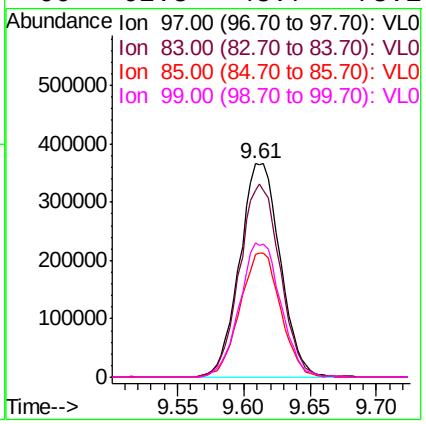


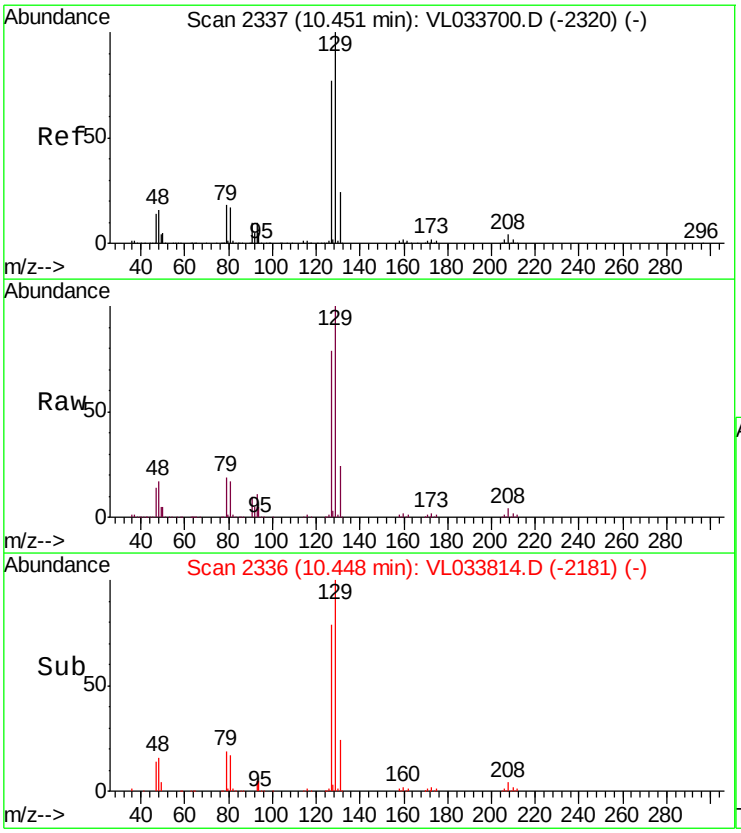
#47
1,1,2-Trichloroethane
Concen: 9.355 ppbv
RT: 9.61 min Scan# 2075
Delta R.T. -0.01 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02DUP

Tgt Ion: 97 Resp: 781228

Ion	Ratio	Lower	Upper
97	100		
83	87.7	70.8	106.2
85	57.2	43.7	65.5
99	62.8	48.7	73.1

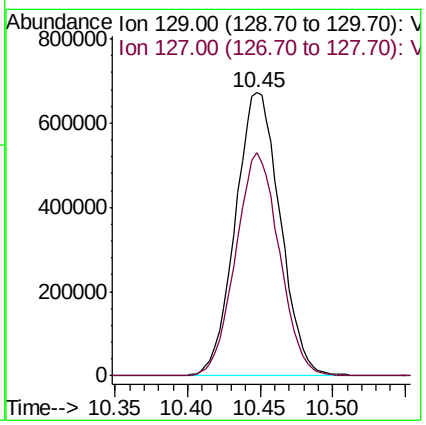


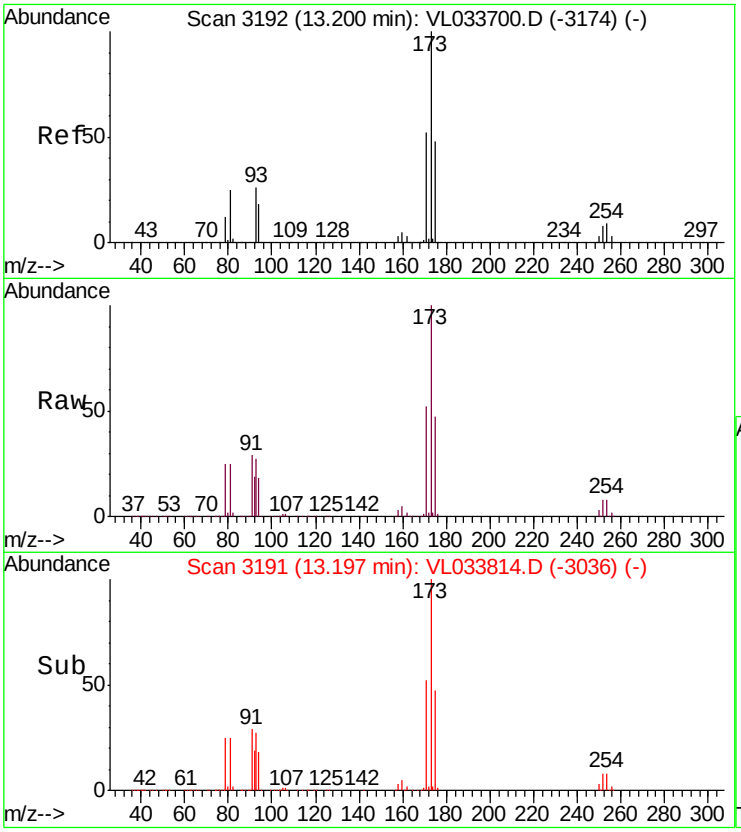


#48
Dibromochloromethane
Concen: 9.972 ppbv
RT: 10.45 min Scan# 2336
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion:129 Resp: 1442849

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	116.0



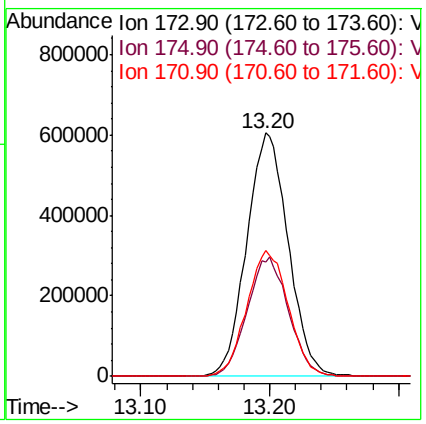


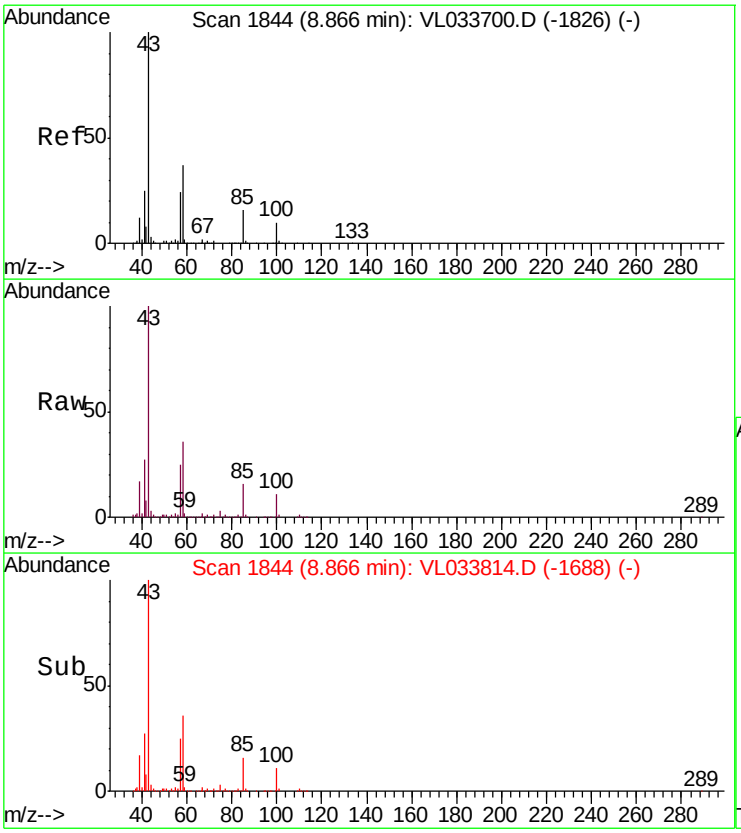
#49
Bromoform
Concen: 11.128 ppbv
RT: 13.20 min Scan# 3191
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion:173 Resp: 1354845

Ion	Ratio	Lower	Upper
173	100		
175	48.9	38.6	58.0
171	51.9	41.5	62.3

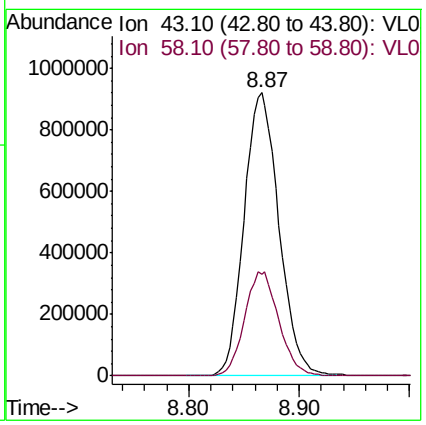


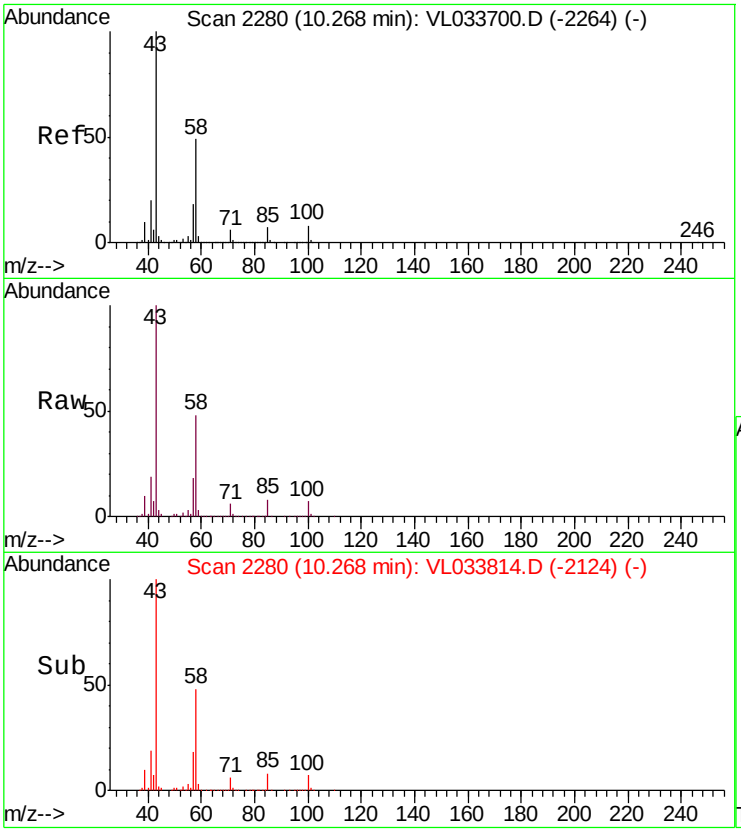


#50
4-Methyl-2-Pentanone
Concen: 9.771 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 43 Resp: 2019253

Ion	Ratio	Lower	Upper
43	100		
58	36.1	28.6	43.0



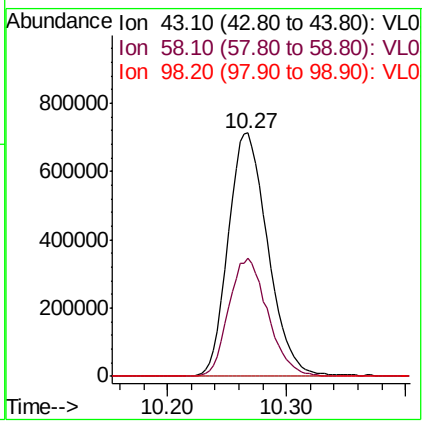


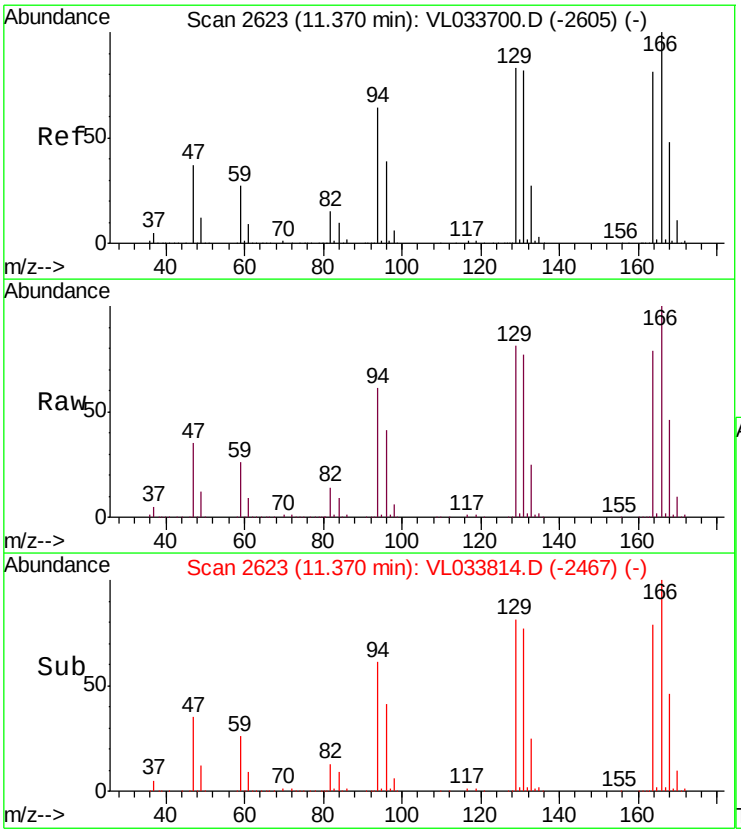
#51
2-Hexanone
Concen: 10.176 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion: 43 Resp: 1641266

Ion	Ratio	Lower	Upper
43	100		
58	47.9	38.7	58.1
98	0.4	0.2	0.4#

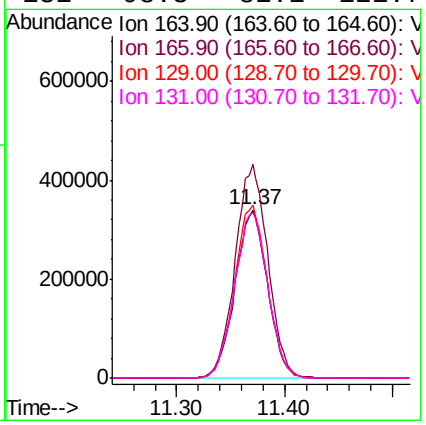


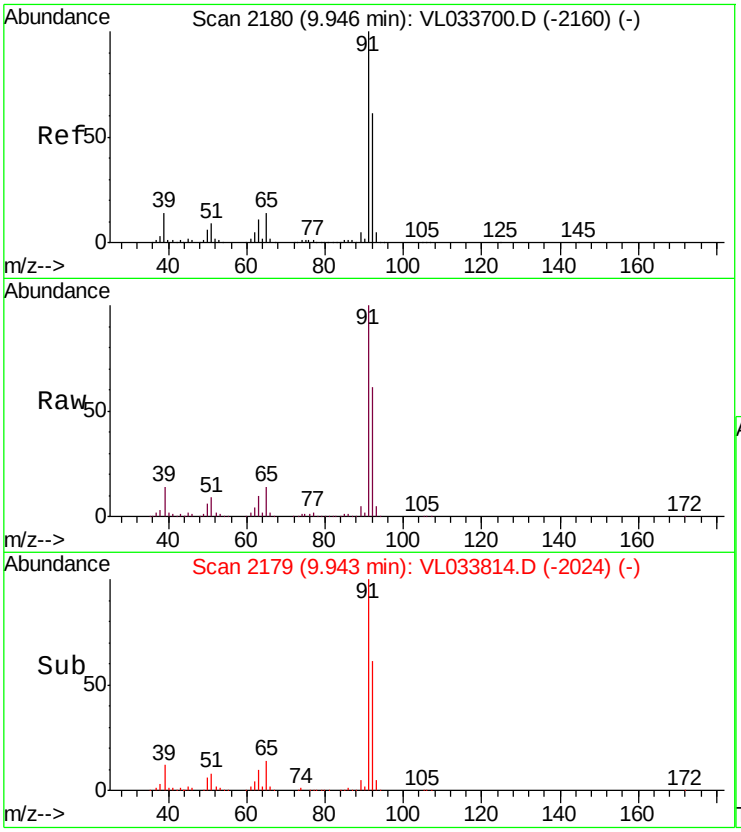


#52
Tetrachloroethene
Concen: 10.288 ppbv
RT: 11.37 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion:164 Resp: 713094

Ion	Ratio	Lower	Upper
164	100		
166	127.3	98.9	148.3
129	102.8	81.8	122.6
131	98.3	81.1	121.7



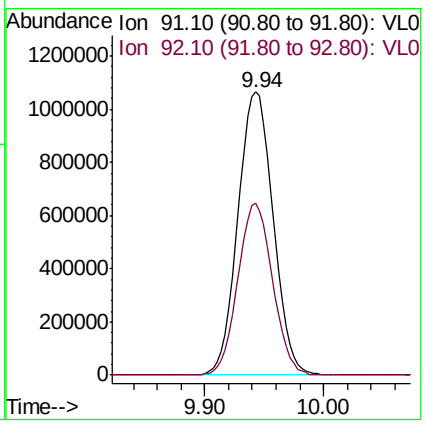


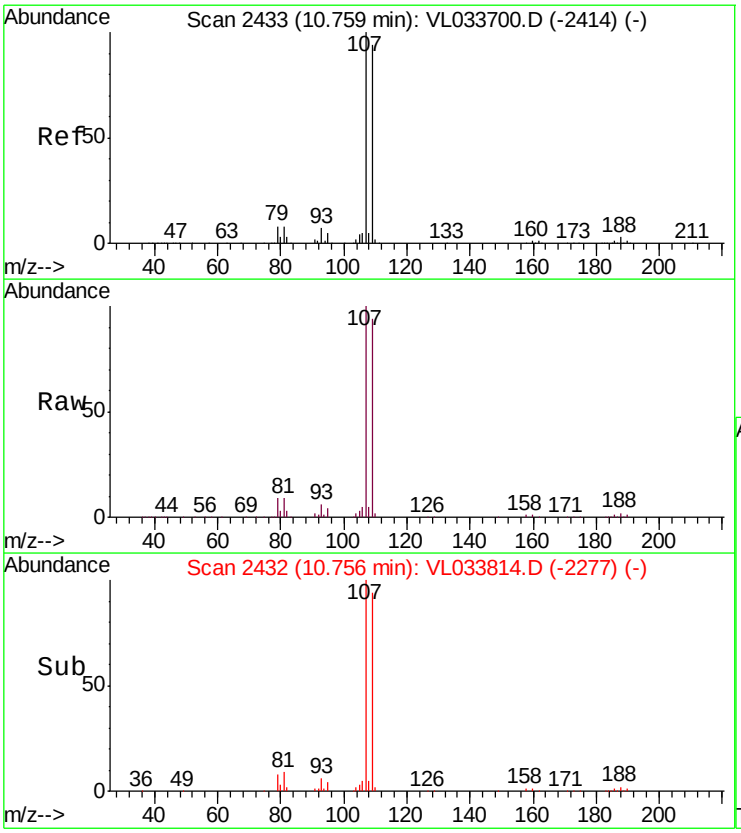
#53
Toluene
Concen: 10.285 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02DUP

Tgt Ion: 91 Resp: 2187238

Ion	Ratio	Lower	Upper
91	100		
92	59.9	47.6	71.4

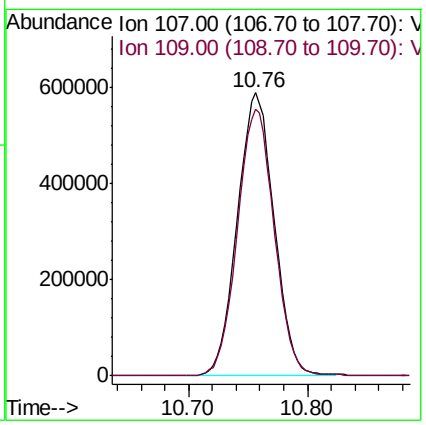


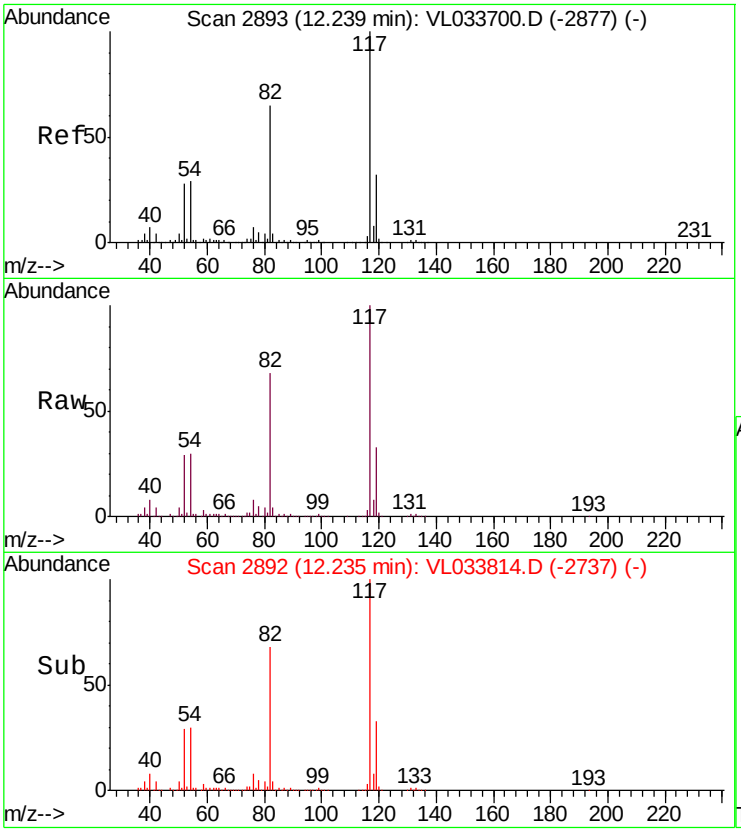


#54
1,2-Dibromoethane
Concen: 9.876 ppbv
RT: 10.76 min Scan# 2432
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion:107 Resp: 1258572

Ion	Ratio	Lower	Upper
107	100		
109	94.4	75.2	112.8



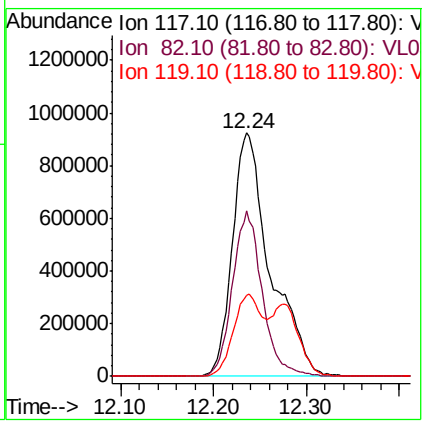


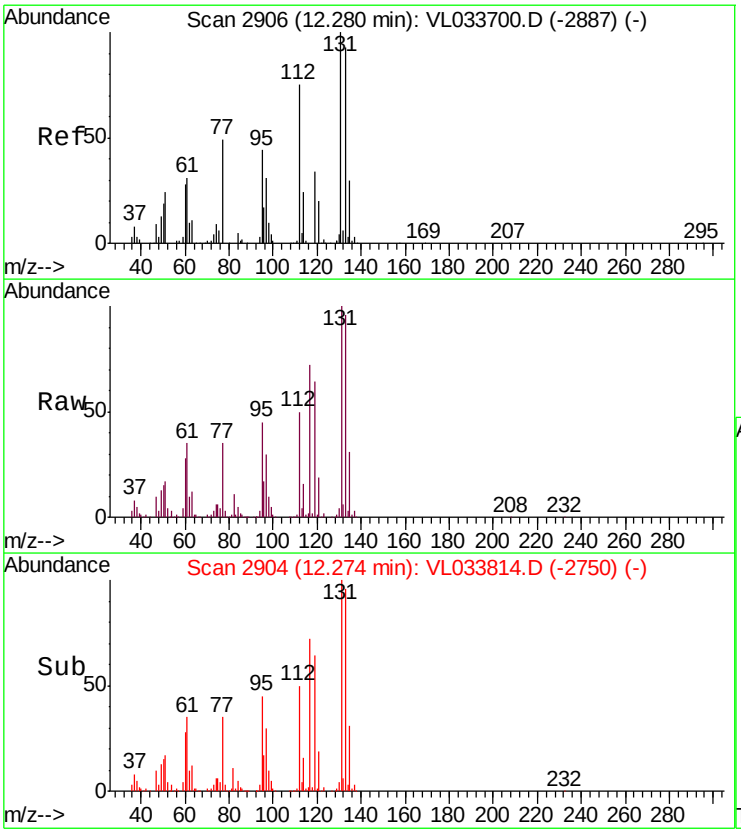
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02DUP

Tgt Ion:117 Resp: 2632883

Ion	Ratio	Lower	Upper
117	100		
82	53.1	49.4	74.0
119	24.4	24.9	37.3#

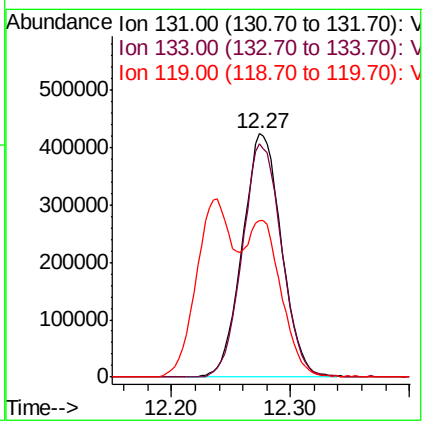


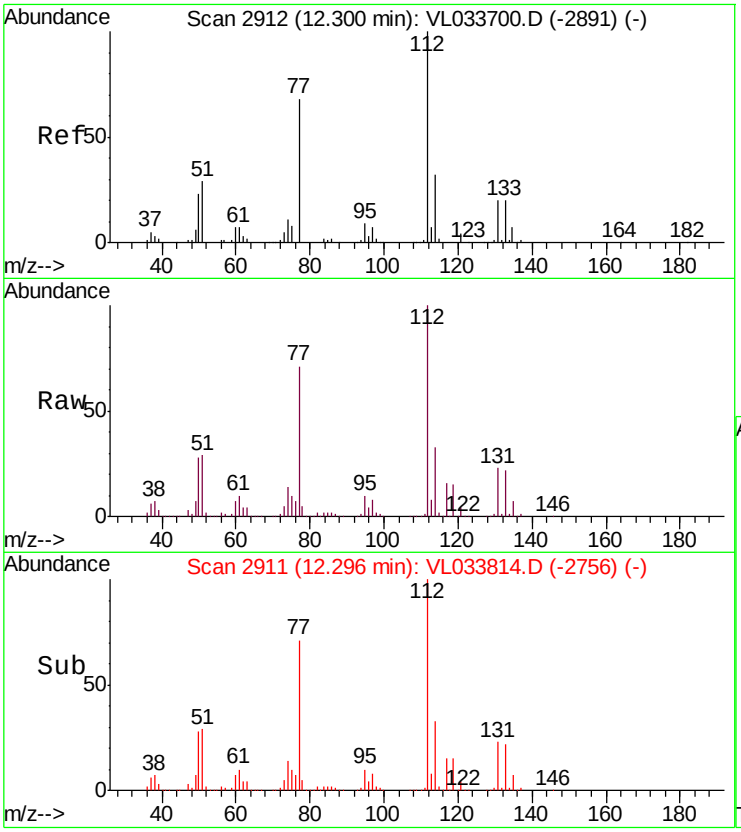


#56
1,1,1,2-Tetrachloroethane
Concen: 7.912 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.01 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion:131 Resp: 963990

Ion	Ratio	Lower	Upper
131	100		
133	96.4	76.6	114.8
119	54.3	49.0	73.4



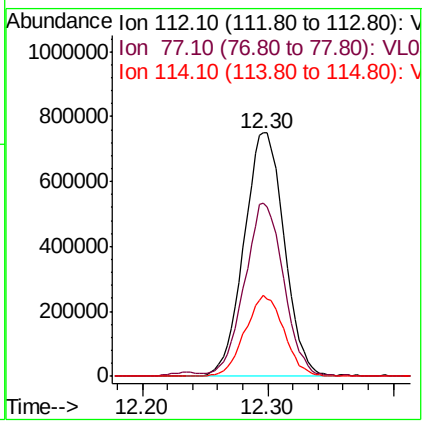


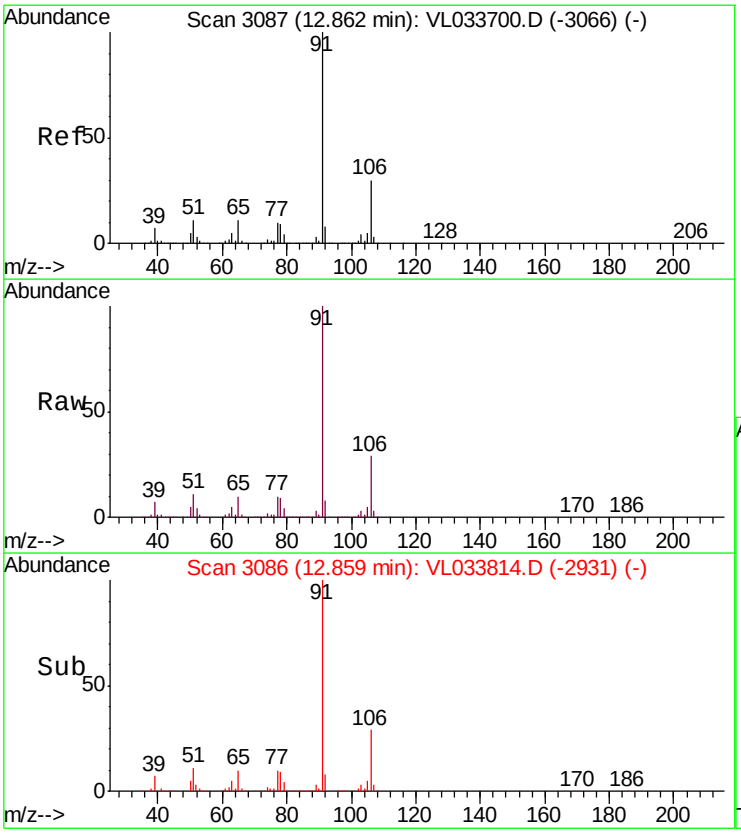
#57
Chlorobenzene
Concen: 7.740 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion:112 Resp: 1677435

Ion	Ratio	Lower	Upper
112	100		
77	70.9	55.4	83.0
114	33.4	29.3	35.8

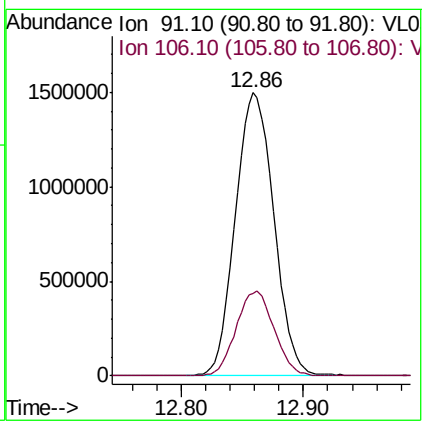


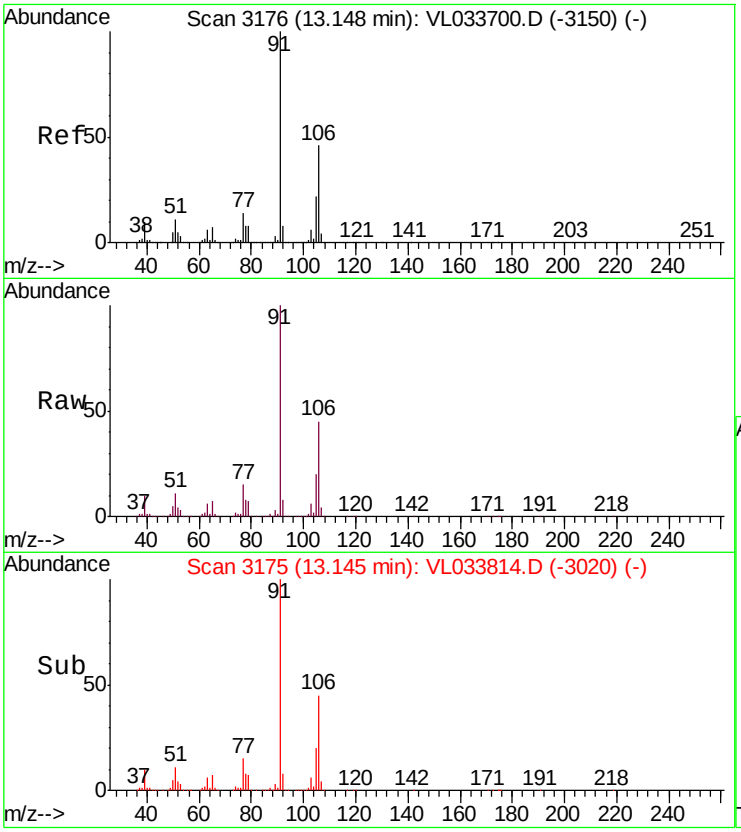


#58
Ethyl Benzene
Concen: 9.363 ppbv
RT: 12.86 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 91 Resp: 3264632

Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.9	35.9



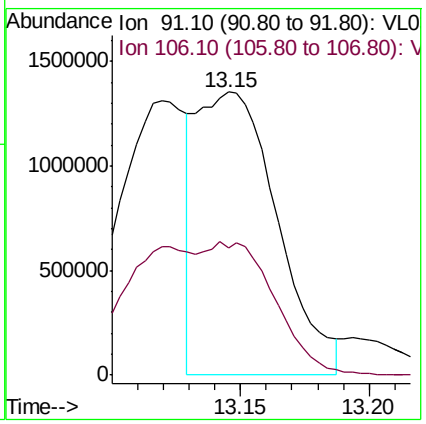


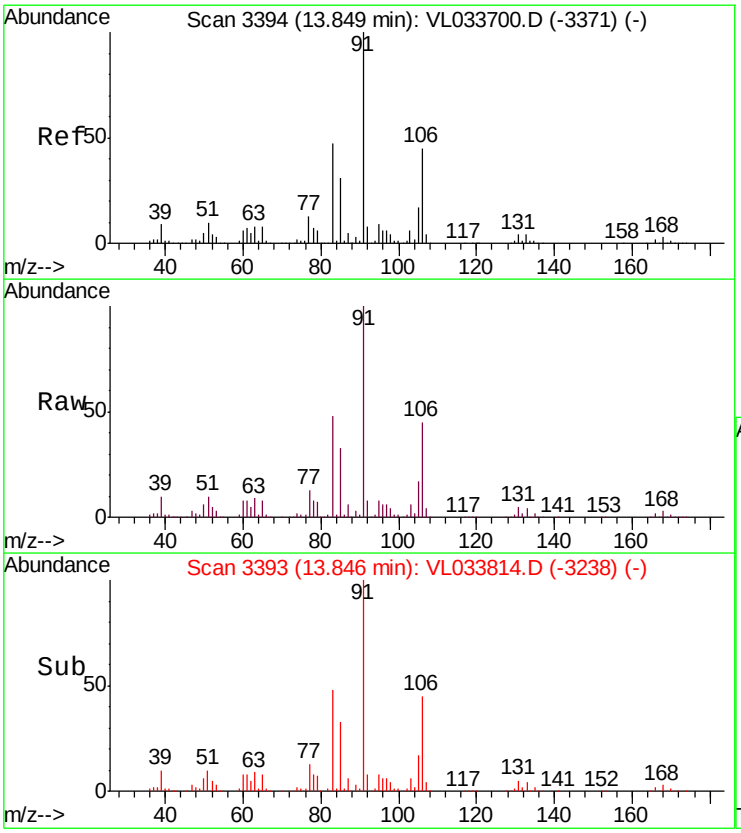
#59
m/p-Xylene
Concen: 9.586 ppbv
RT: 13.15 min Scan# 3175
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02DUP

Tgt Ion: 91 Resp: 2921700

Ion	Ratio	Lower	Upper
91	100		
106	84.3	35.8	53.6#

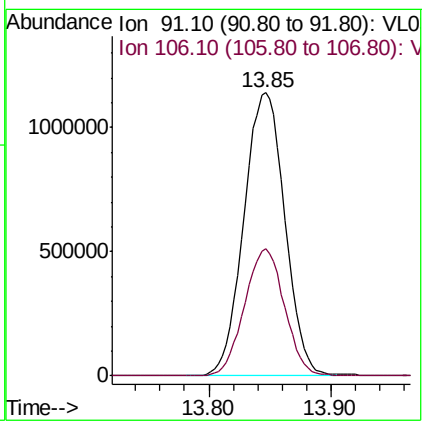


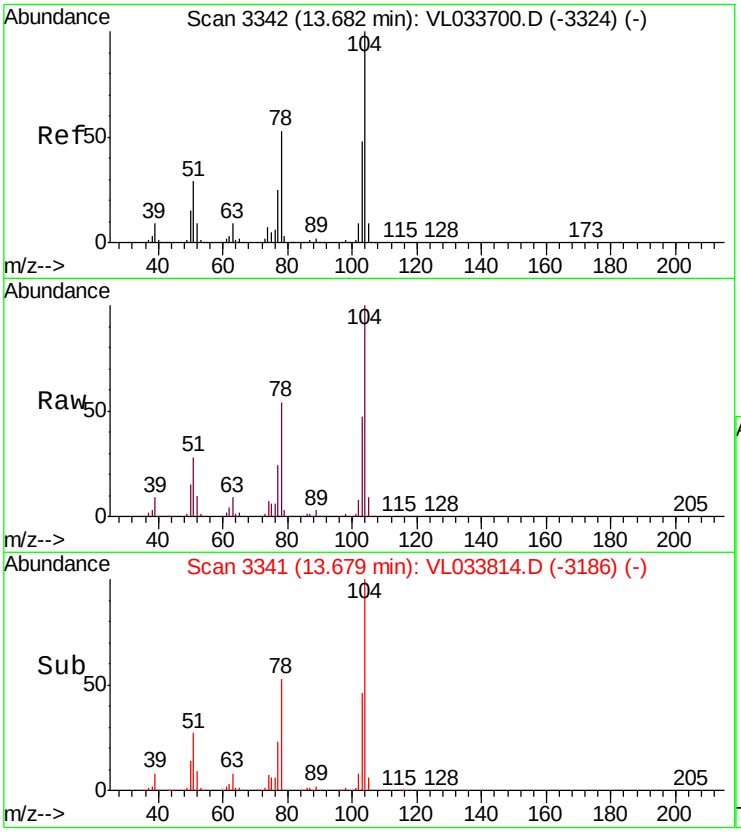


#60
o-Xylene
Concen: 8.608 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 91 Resp: 2644819

Ion	Ratio	Lower	Upper
91	100		
106	43.8	21.6	64.8



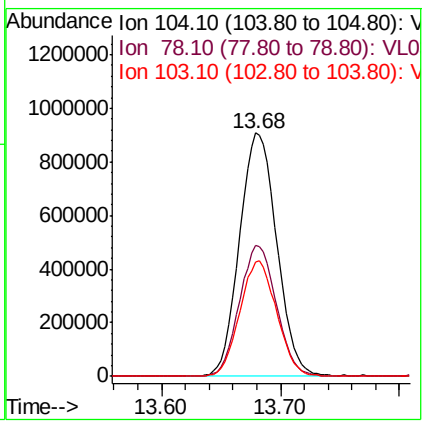


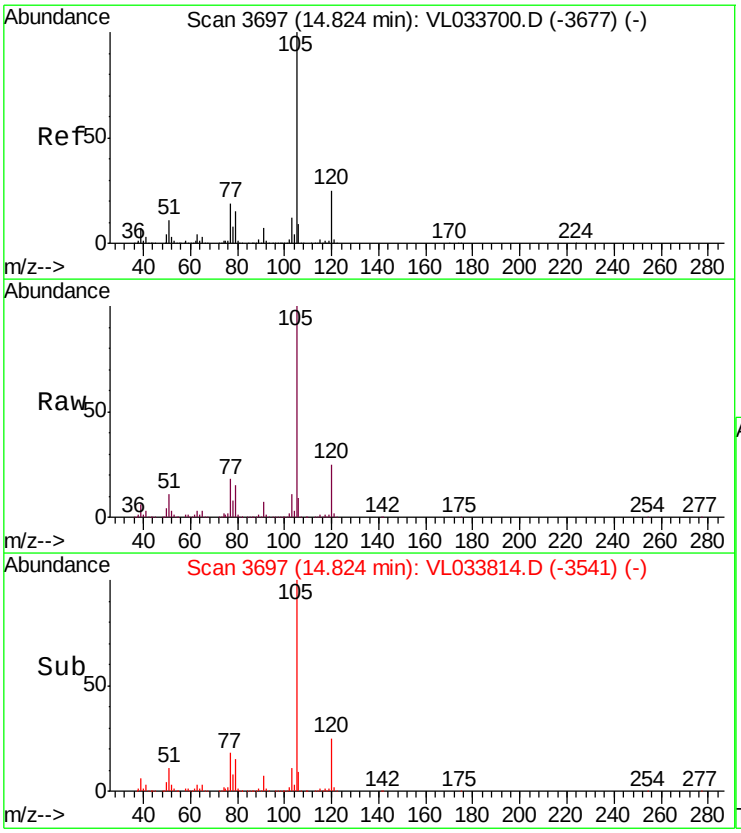
#61
Styrene
Concen: 9.517 ppbv
RT: 13.68 min Scan# 3341
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion:104 Resp: 1968606

Ion	Ratio	Lower	Upper
104	100		
78	53.3	42.6	64.0
103	47.0	37.8	56.6

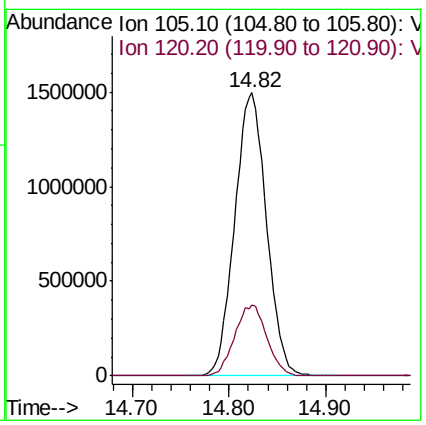


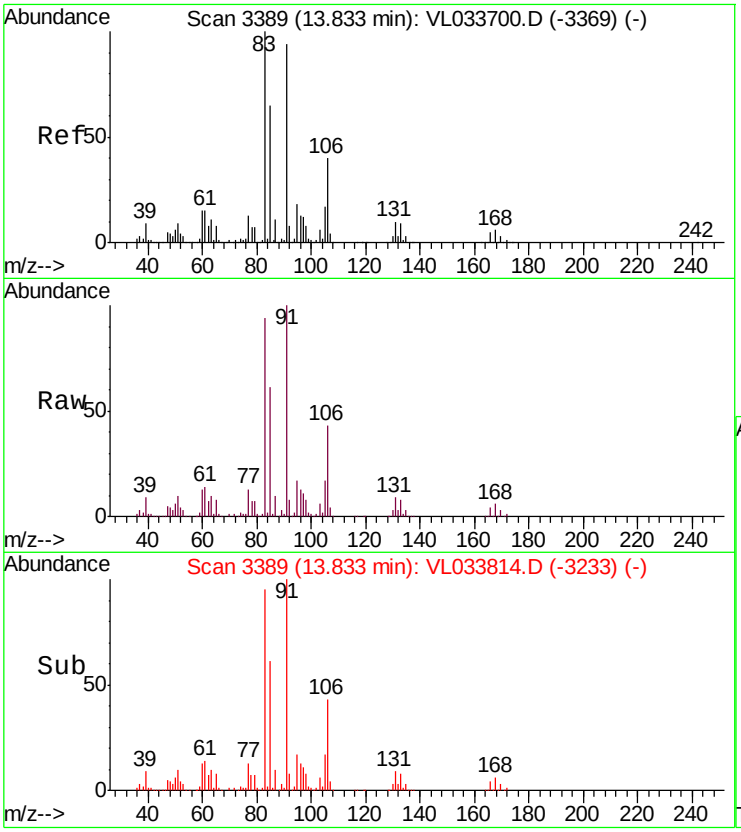


#62
Isopropylbenzene
Concen: 8.250 ppbv
RT: 14.82 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion:105 Resp: 3413682

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.1	30.1



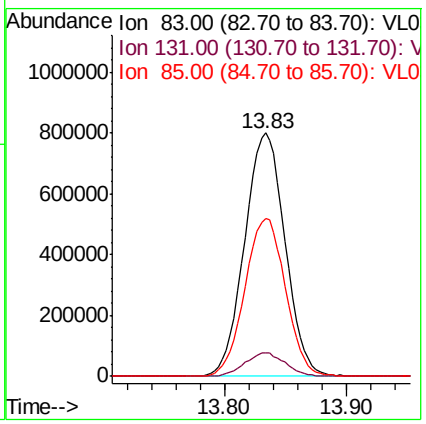


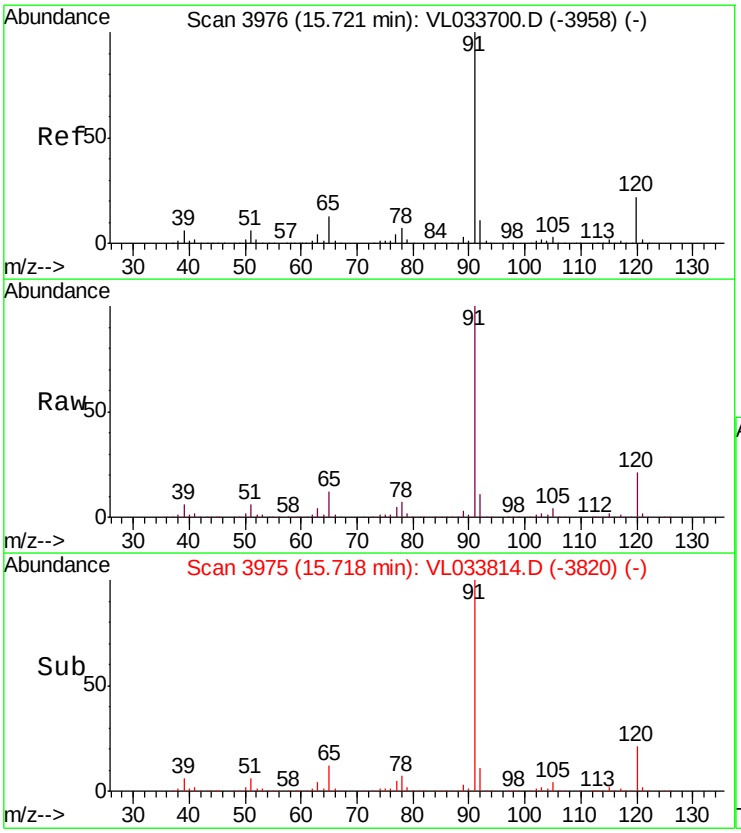
#63
1,1,2,2-Tetrachloroethane
Concen: 8.204 ppbv
RT: 13.83 min Scan# 3389
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion: 83 Resp: 1832974

Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.8	14.3
85	65.3	32.3	96.9

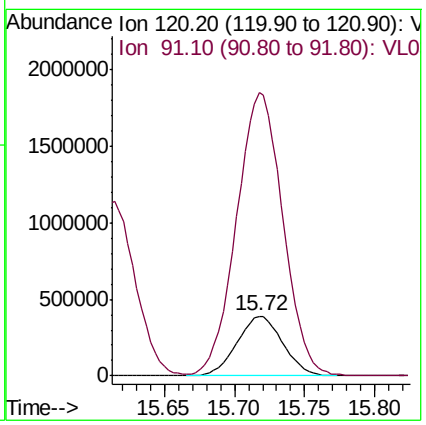


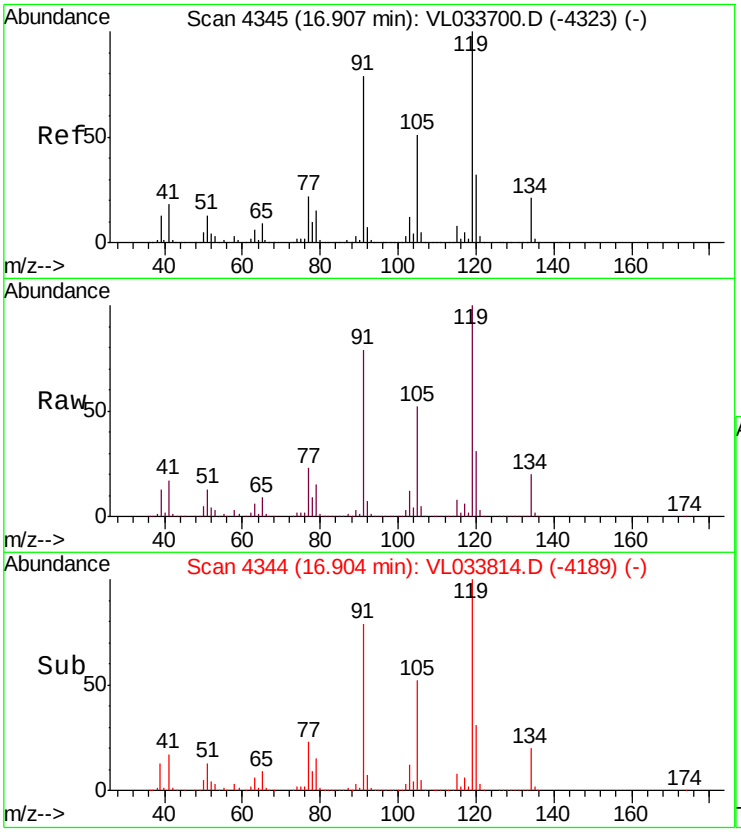


#64
n-propylbenzene
Concen: 8.226 ppbv
RT: 15.72 min Scan# 3975
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion:120 Resp: 880363

Ion	Ratio	Lower	Upper
120	100		
91	483.7	379.1	568.7



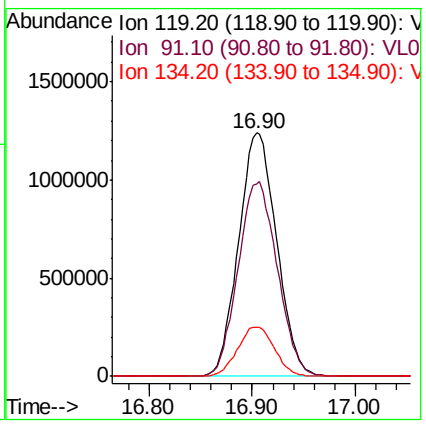


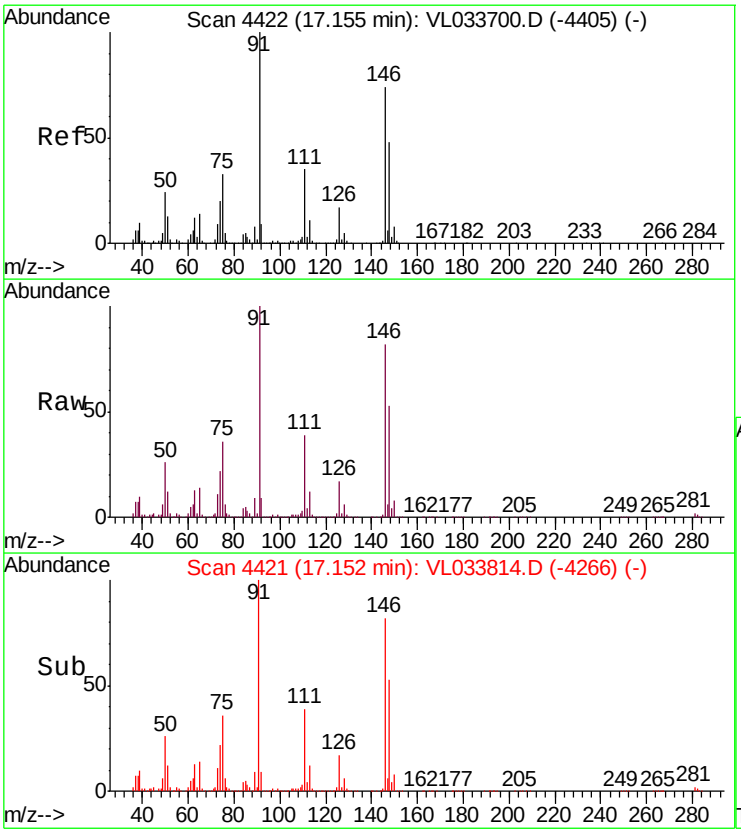
#65
tert-Butylbenzene
Concen: 8.415 ppbv
RT: 16.90 min Scan# 4344
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion:119 Resp: 3178950

Ion	Ratio	Lower	Upper
119	100		
91	82.4	65.3	97.9
134	19.6	15.7	23.5

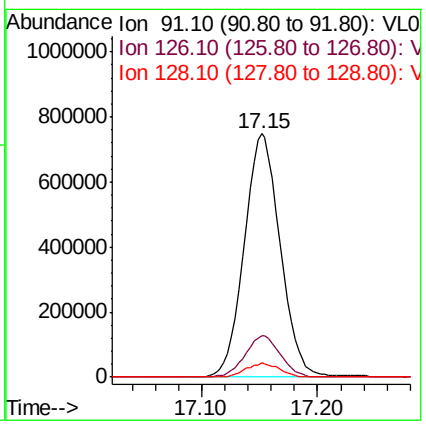


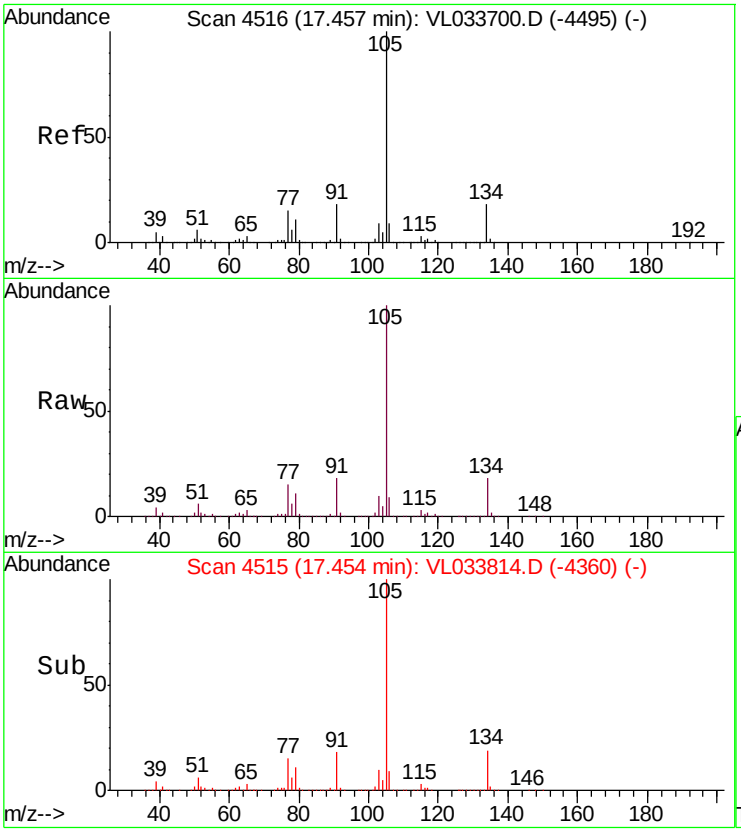


#66
Benzyl Chloride
Concen: 8.957 ppbv
RT: 17.15 min Scan# 4421
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 91 Resp: 1611698

Ion	Ratio	Lower	Upper
91	100		
126	16.8	13.5	20.3
128	5.5	4.3	6.5



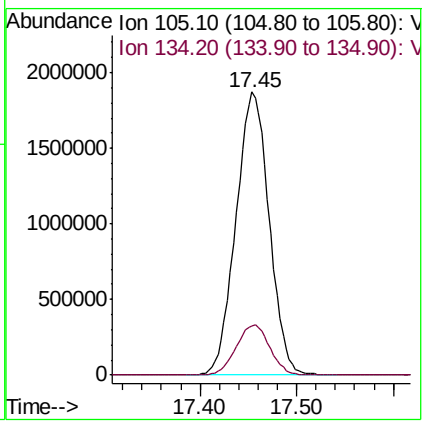


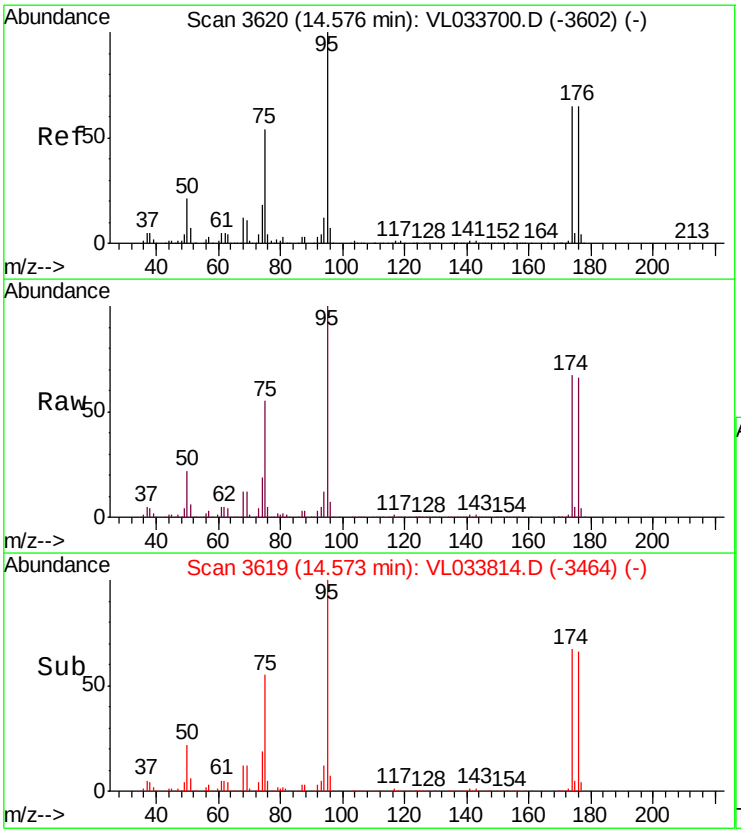
#67
sec-Butylbenzene
Concen: 8.455 ppbv
RT: 17.45 min Scan# 4515
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02DUP

Tgt Ion:105 Resp: 4470349

Ion	Ratio	Lower	Upper
105	100		
134	18.0	14.6	22.0

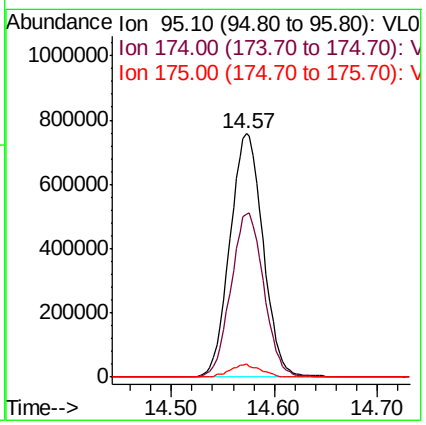


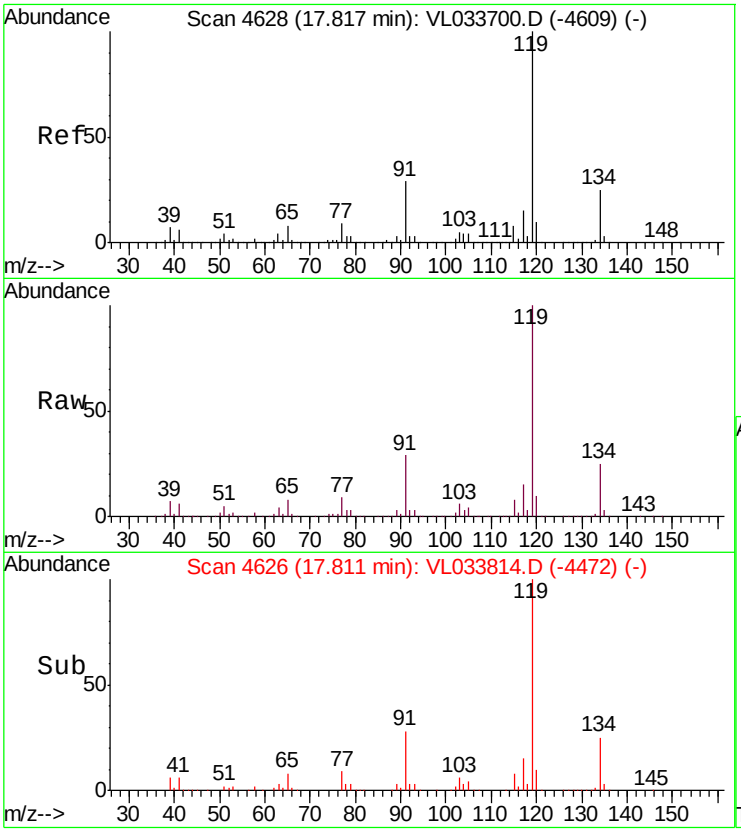


#68
1-Bromo-4-Fluorobenzene
Concen: 7.945 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 95 Resp: 1695744

Ion	Ratio	Lower	Upper
95	100		
174	67.2	53.9	80.9
175	4.9	3.8	5.8



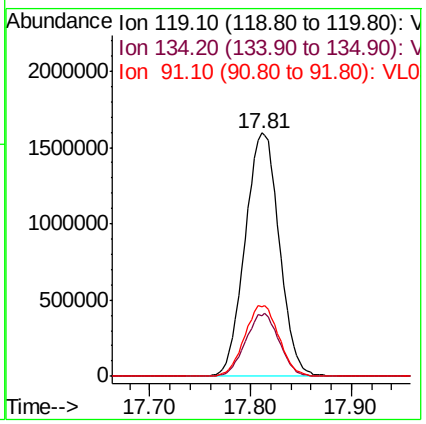


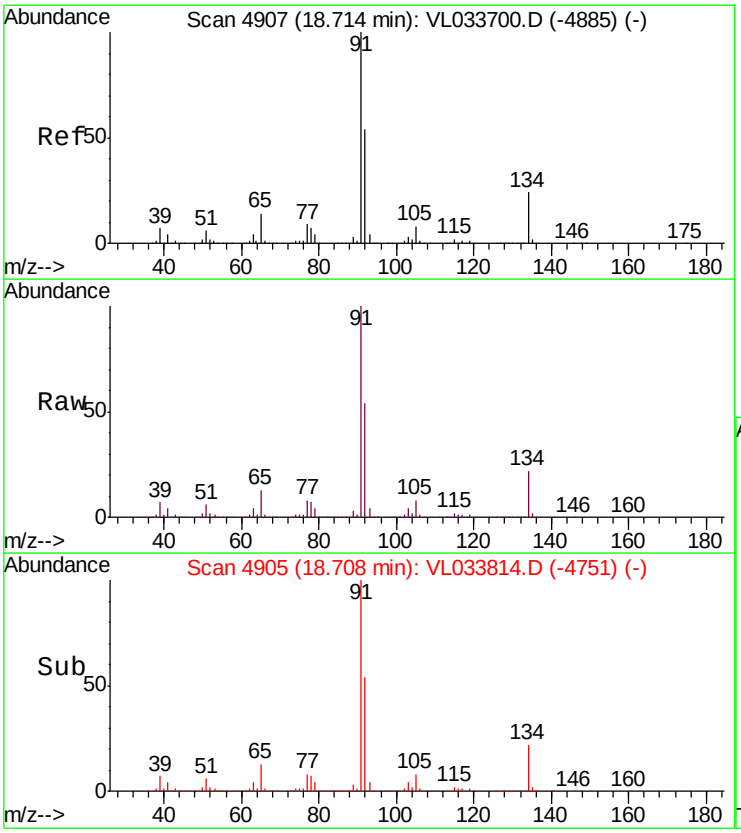
#69
p-Isopropyltoluene
Concen: 8.581 ppbv
RT: 17.81 min Scan# 4626
Delta R.T. -0.01 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion:119 Resp: 3749961

Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	29.3	23.1	34.7

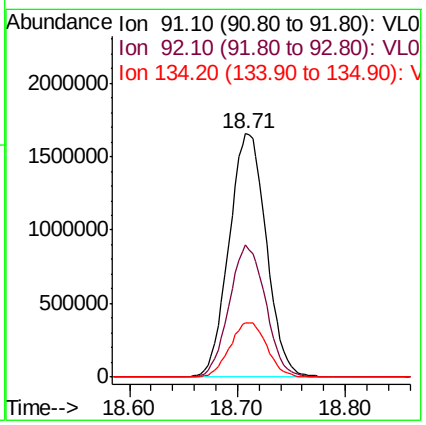


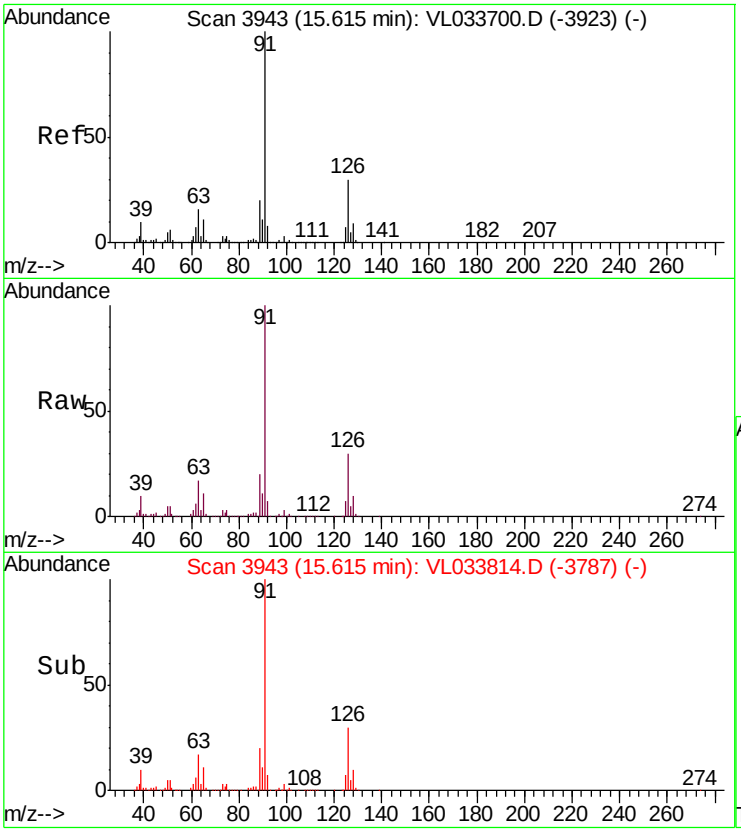


#70
n-Butylbenzene
Concen: 8.474 ppbv
RT: 18.71 min Scan# 4905
Delta R.T. -0.01 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion: 91 Resp: 3971208

Ion	Ratio	Lower	Upper
91	100		
92	53.2	42.6	63.8
134	22.4	18.1	27.1



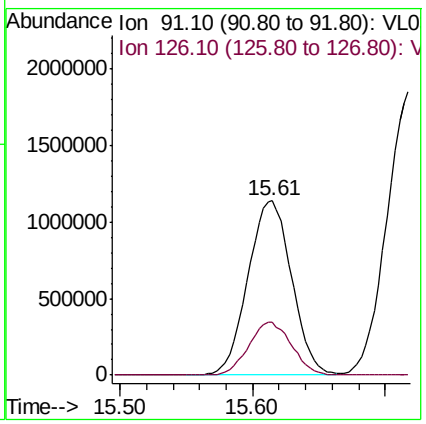


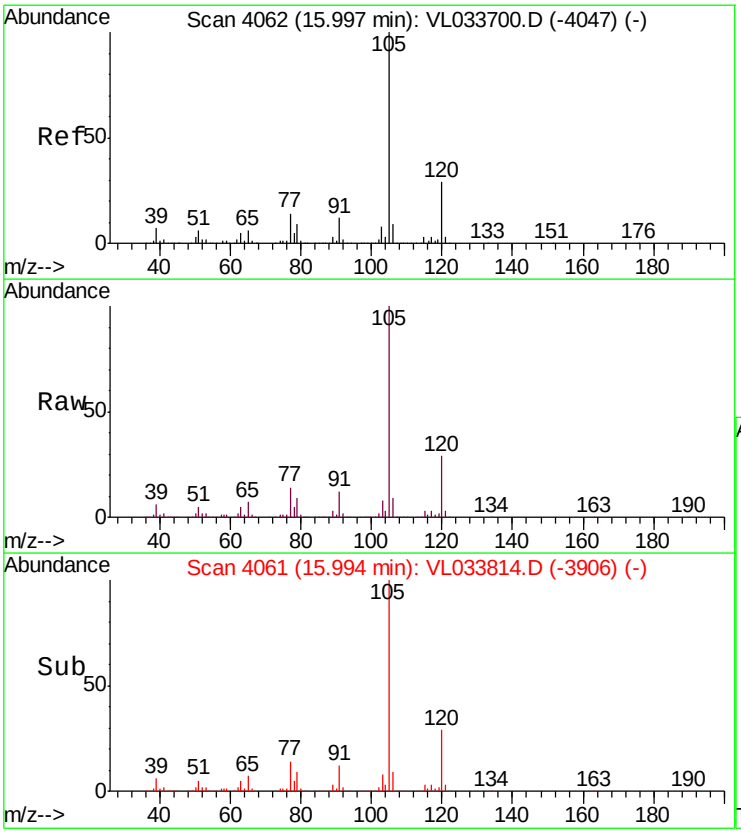
#71
2-Chlorotoluene
Concen: 8.501 ppbv
RT: 15.61 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02DUP

Tgt Ion: 91 Resp: 2609714

Ion	Ratio	Lower	Upper
91	100		
126	30.0	12.0	47.8

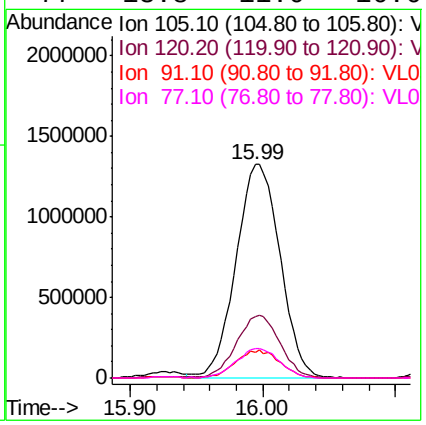


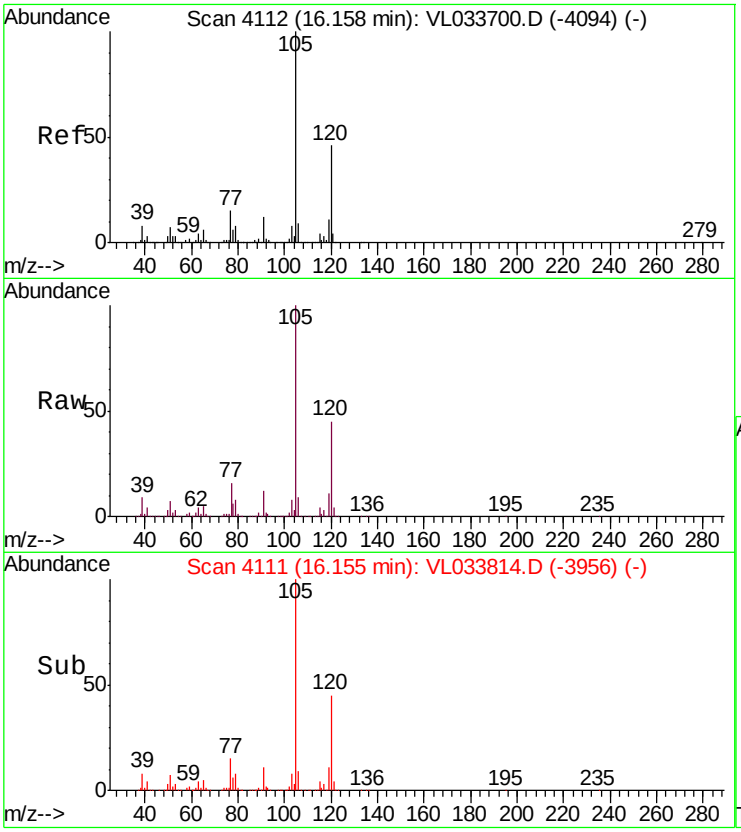


#72
4-Ethyltoluene
Concen: 8.674 ppbv
RT: 15.99 min Scan# 4061
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion:105 Resp: 3047163

Ion	Ratio	Lower	Upper
105	100		
120	29.0	23.1	34.7
91	13.0	10.4	15.6
77	13.8	11.0	16.6



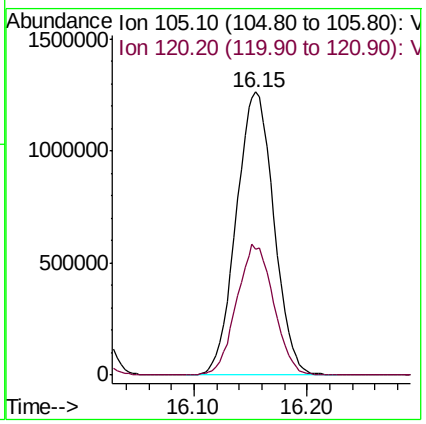


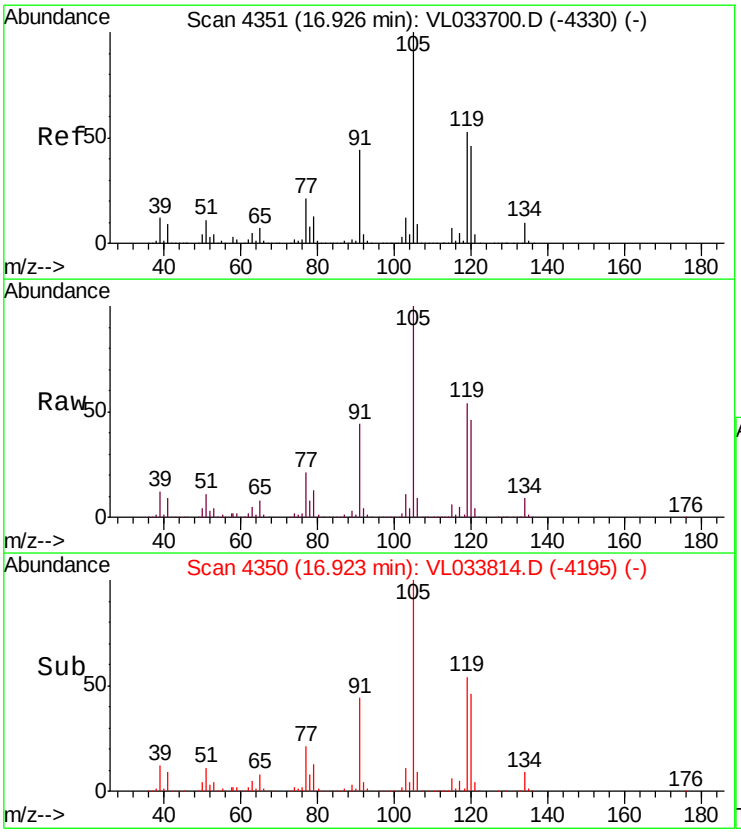
#73
1,3,5-Trimethylbenzene
Concen: 8.499 ppbv
RT: 16.15 min Scan# 4111
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion:105 Resp: 2913135

Ion	Ratio	Lower	Upper
105	100		
120	44.7	37.0	55.4

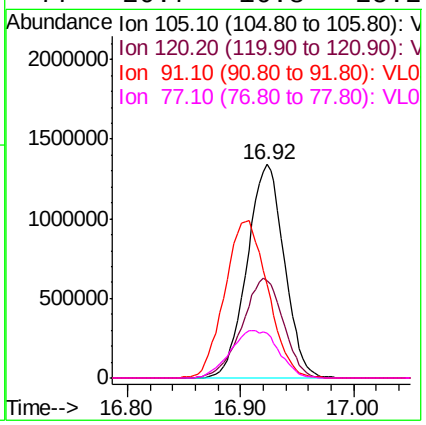


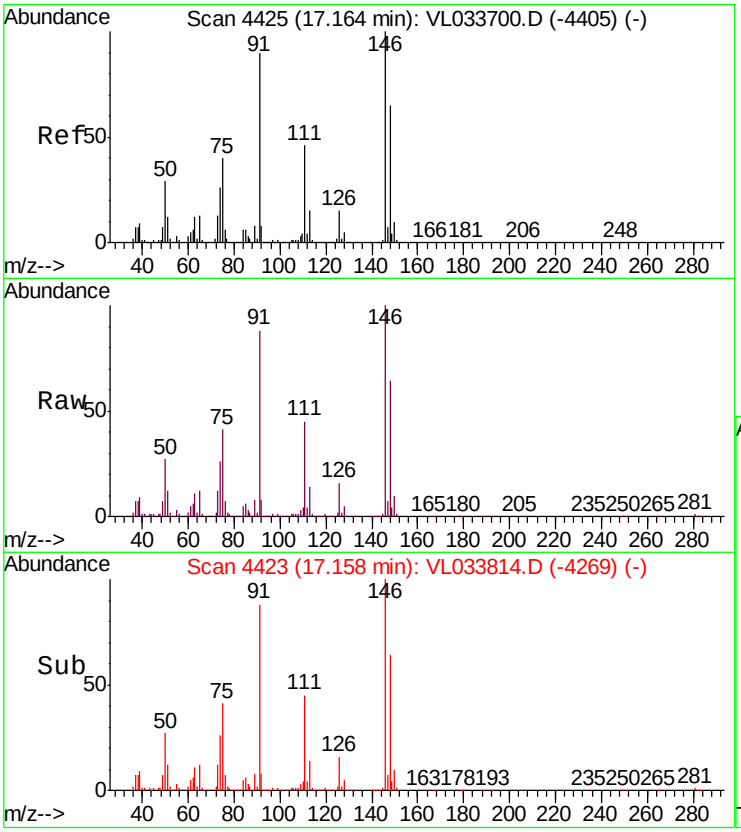


#74
1,2,4-Trimethylbenzene
Concen: 8.226 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion:105 Resp: 3068472

Ion	Ratio	Lower	Upper
105	100		
120	45.5	36.8	55.2
91	43.5	35.4	53.0
77	20.7	16.8	25.2



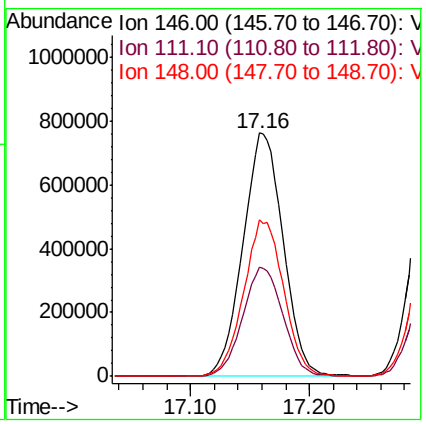


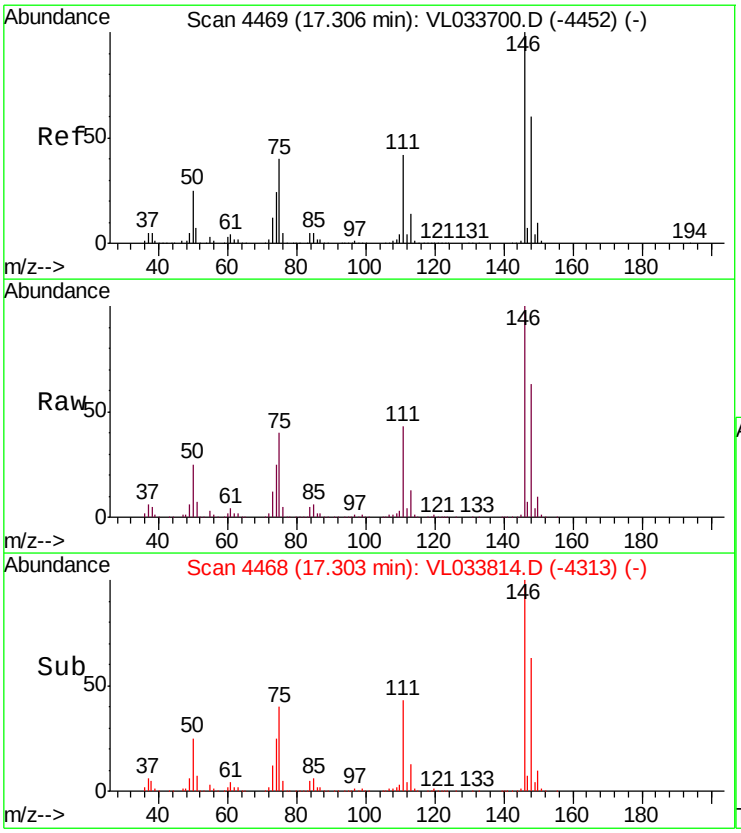
#75
1,3-Dichlorobenzene
Concen: 7.796 ppbv
RT: 17.16 min Scan# 4423
Delta R.T. -0.01 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02DUP

Tgt Ion:146 Resp: 1782108

Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.9	68.8
148	64.0	32.0	96.2

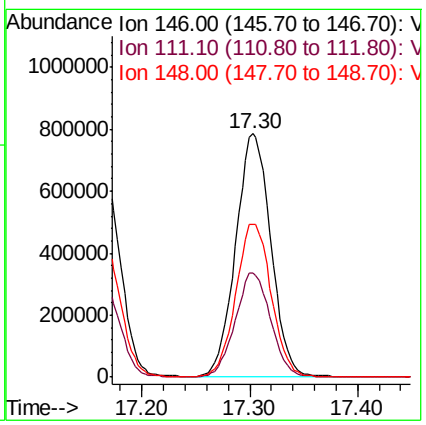


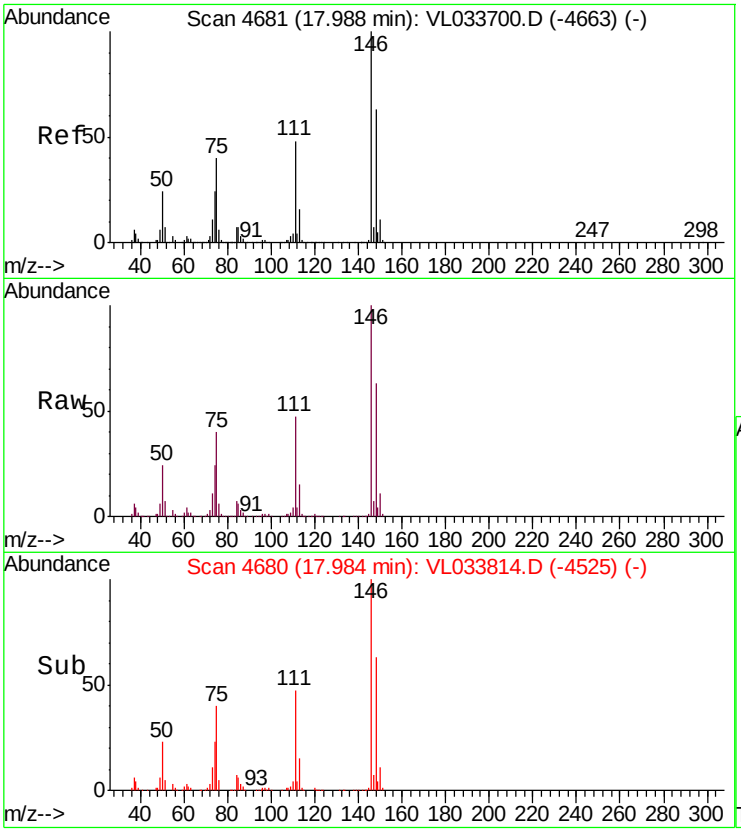


#76
1,4-Dichlorobenzene
Concen: 8.166 ppbv
RT: 17.30 min Scan# 4468
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion:146 Resp: 1774064

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.9	65.8
148	63.8	32.1	96.3



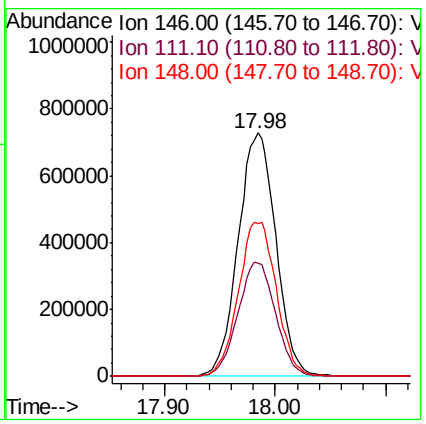


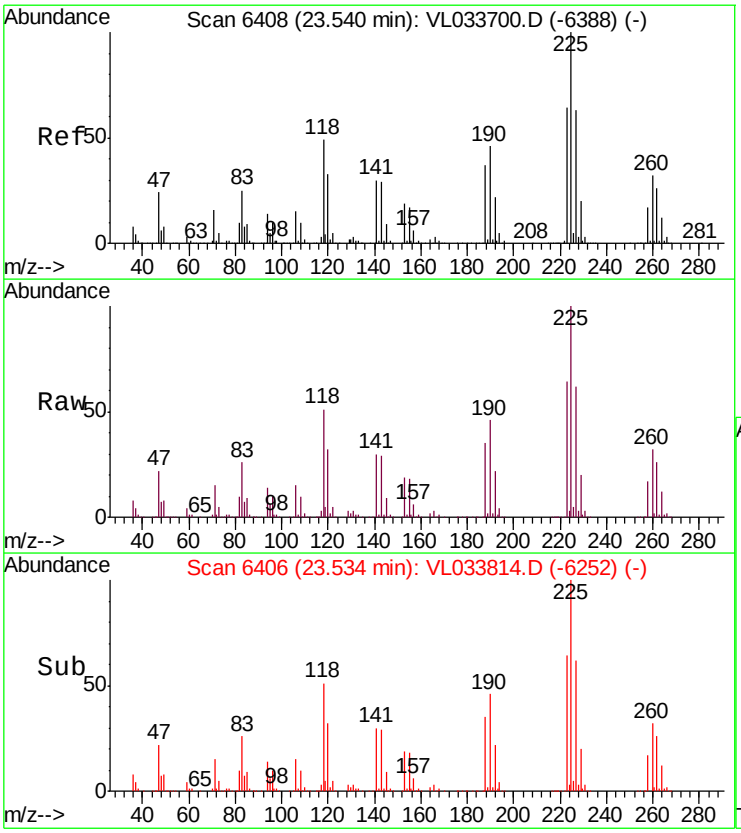
#77
1,2-Dichlorobenzene
Concen: 8.039 ppbv
RT: 17.98 min Scan# 4680
Delta R.T. -0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument : MSVOA_L
ClientSampleId : VL0528ABS02DUP

Tgt Ion:146 Resp: 1726653

Ion	Ratio	Lower	Upper
146	100		
111	46.8	23.5	70.5
148	63.8	32.1	96.3

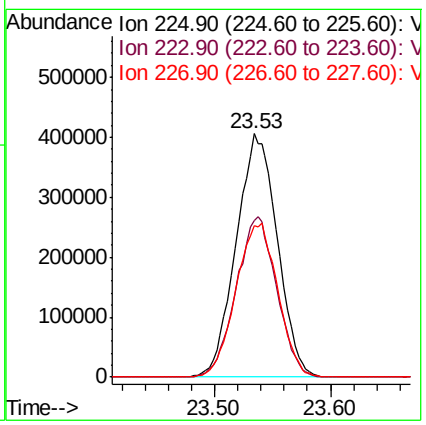


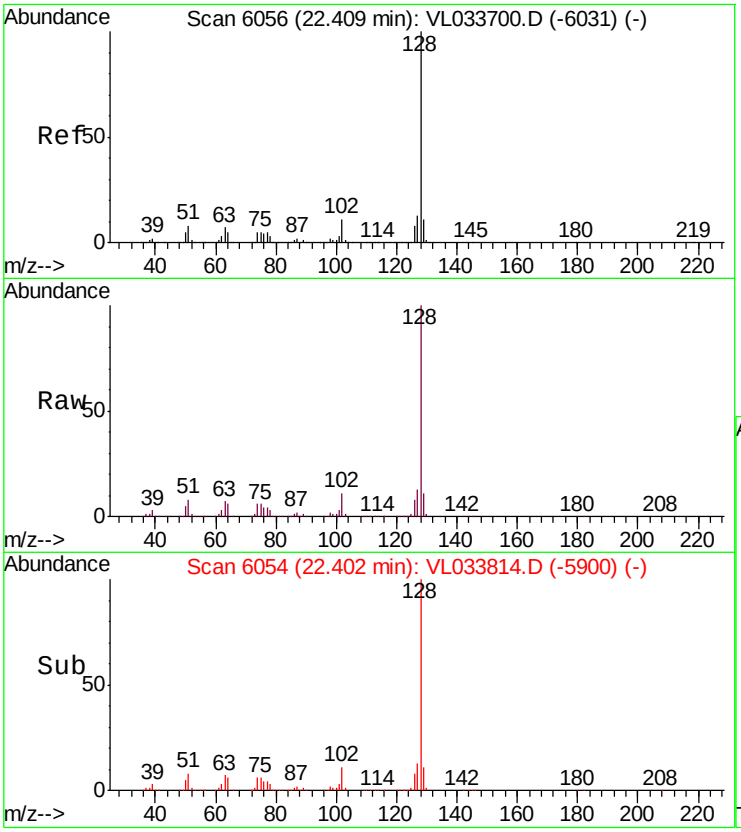


#78
Hexachloro-1,3-Butadiene
Concen: 6.155 ppbv
RT: 23.53 min Scan# 6406
Delta R.T. -0.01 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion:225 Resp: 999539

Ion	Ratio	Lower	Upper
225	100		
223	64.6	50.2	75.4
227	64.4	50.7	76.1



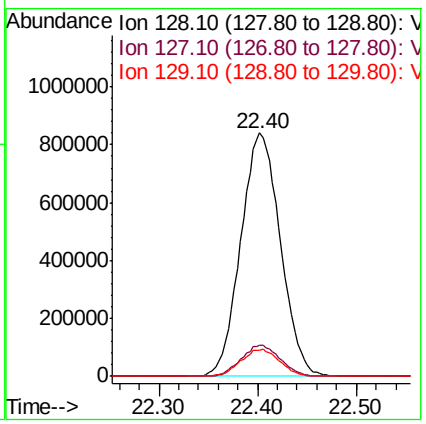


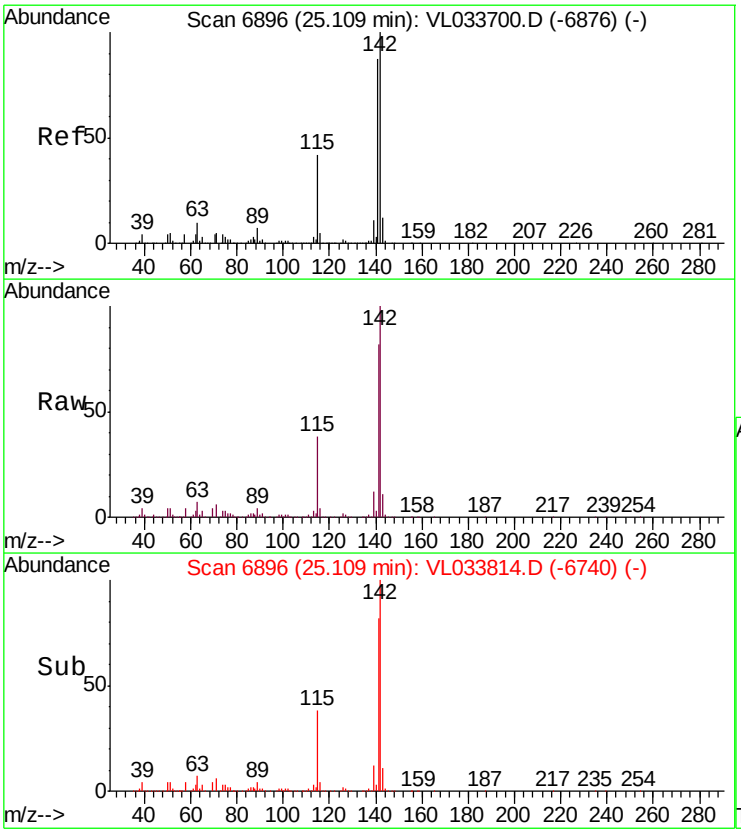
#79
Naphthalene
Concen: 6.724 ppbv
RT: 22.40 min Scan# 6054
Delta R.T. -0.01 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion:128 Resp: 2329572

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	16.0
129	10.5	8.9	13.3

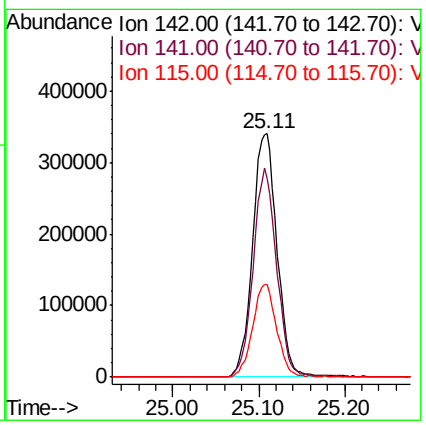


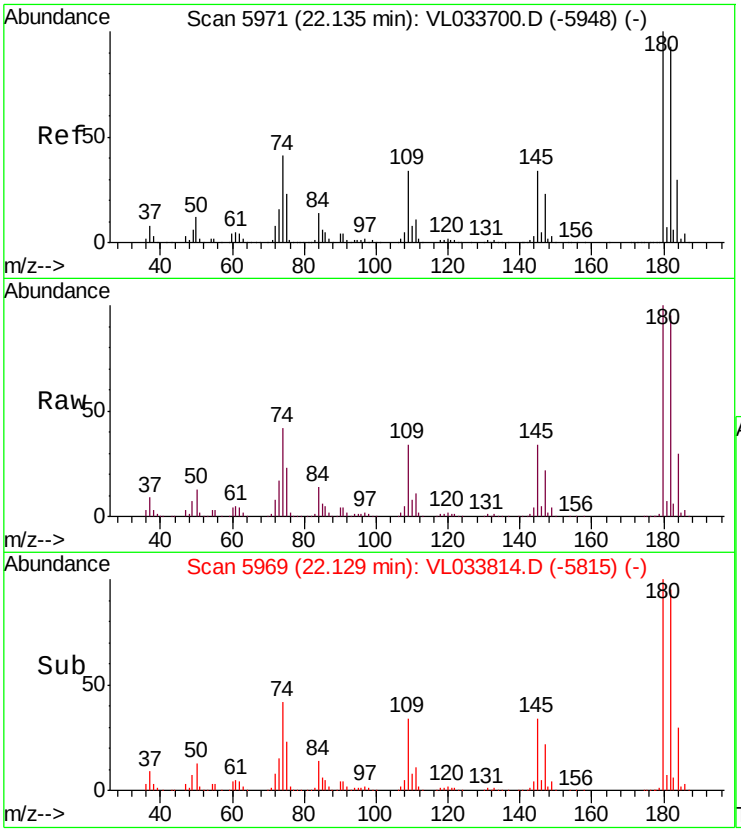


#80
Naphthalene,2-methyl-
Concen: 5.133 ppbv
RT: 25.11 min Scan# 6896
Delta R.T. 0.00 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Tgt Ion:142 Resp: 675794

Ion	Ratio	Lower	Upper
142	100		
141	82.5	67.2	100.8
115	37.8	34.1	51.1





#81
1,2,4-Trichlorobenzene
Concen: 6.722 ppbv
RT: 22.13 min Scan# 5969
Delta R.T. -0.01 min
Lab File: VL033814.D
Acq: 28 May 2019 21:53

Instrument :
MSVOA_L
ClientSampleId :
VL0528ABS02DUP

Tgt Ion:180 Resp: 1363790

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.1	114.1
184	30.5	24.6	37.0