Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021319\

Quantitation Report (Not Reviewed)

Data File : VL033187.D
Acq On : 13 Feb 2019 14:31
Operator : SY/AP
Sample : VL0213ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Quant Time: Feb 14 04:26:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	892991	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	2101752	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3135120	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1902188	7.88	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 78.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1566558	9.176	ppbv	97
3) Chlorodifluoromethane	3.01	51	971218	9.033	ppbv	99
4) Chloromethane	3.17	50	513580	9.046	ppbv	98
5) Vinyl Chloride	3.29	62	489775	8.255	ppbv	97
6) Bromomethane	3.52	94	303391	9.311	ppbv	97
7) Chloroethane	3.60	64	182516	9.417	ppbv	97
8) Dichlorotetrafluoroethane	3.22	85	1166205	8.734	ppbv	99
9) Propene	3.04	41	456349	8.786	ppbv	98
10) Heptane	8.25	43	1444201	9.191	ppbv	100
11) Trichlorofluoromethane	4.01	101	1335079	9.659	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	903380	9.431	ppbv	99
13) Ethanol	3.65	45	89971	5.194	ppbv	100
14) Bromoethene	3.79	108	397663	9.628	ppbv	98
15) Acetone	3.90	43	889802	8.844	ppbv	100
16) 1,3-Butadiene	3.36	39	424734	8.894	ppbv	98
17) tert-Butyl alcohol	4.36	59	205649	10.721	ppbv	98
18) 1,1-Dichloroethene	4.35	96	414198	9.660	ppbv	95
19) Isopropyl Alcohol	4.02	45	627705	9.199	ppbv	100
20) Methylene Chloride	4.41	84	360296	9.003	ppbv	97
21) Allyl Chloride	4.48	41	663293	9.985	ppbv	100
22) trans-1,2-Dichloroethene	4.97	96	416942	10.012	ppbv	94
23) Vinyl Acetate	5.16	43	1715544	9.839	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1185712	9.614	ppbv	99
25) Ethyl Acetate	5.77	43	2049110	9.058	ppbv	100
26) Hexane	5.78	57	940369	8.855	ppbv	99
27) Carbon Disulfide	4.62	76	1032101	10.609	ppbv	100
28) Methyl tert-Butyl Ether	5.11	73	1414901	9.750	ppbv	100
29) Chloroform	5.85	83	1494446	9.183	ppbv	99
30) Cyclohexane	7.25	84	787963	7.997	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	981736	9.237	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1445216	8.065	ppbv	99
34) 2-Butanone	5.33	43	1391428	10.437	ppbv	99
35) Carbon Tetrachloride	7.14	117	1494607	9.311	ppbv	97
36) Benzene	7.01	78	1952252	9.165	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1143871	9.690	ppbv	100
38) Trichloroethene	7.97	130	710714	7.791	ppbv	95
39) 1,2-Dichloropropane	7.74	63	762522	9.064	ppbv	97
40) 1,4-Dioxane	7.96	88	252201	8.249	ppbv	98
41) Tetrahydrofuran	6.15	42	798208	9.673	ppbv	100
42) Bromodichloromethane	7.92	83	1621845	9.481	ppbv	97
43) Methyl Methacrylate	8.14	69	521406	6.097	ppbv #	36

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021319\

Quantitation Report (Not Reviewed)

Data File : VL033187.D
Acq On : 13 Feb 2019 14:31
Operator : SY/AP
Sample : VL0213ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Quant Time: Feb 14 04:26:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3151134	8.730	ppbv		99
45) t-1,3-Dichloropropene	9.42	75	1244395	13.098	ppbv		98
46) cis-1,3-Dichloropropene	8.84	75	1376294	11.373	ppbv		98
47) 1,1,2-Trichloroethane	9.62	97	920389	10.543	ppbv		97
48) Dibromochloromethane	10.46	129	1631296	11.869	ppbv		98
49) Bromoform	13.21	173	1402845	11.864	ppbv		100
50) 4-Methyl-2-Pentanone	8.87	43	2259460	10.569	ppbv		99
51) 2-Hexanone	10.27	43	1880823	11.159	ppbv	#	99
52) Tetrachloroethene	11.38	164	809906	9.897	ppbv		97
53) Toluene	9.95	91	2683100	10.638	ppbv		99
54) 1,2-Dibromoethane	10.77	107	1479366	10.806	ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1113224	7.736	ppbv	#	58
57) Chlorobenzene	12.31	112	1930416	7.053	ppbv		99
58) Ethyl Benzene	12.87	91	3651112	7.196	ppbv		99
59) m/p-Xylene	13.16	91	1847459	4.363	ppbv	#	100
60) o-Xylene	13.86	91	2907126	7.060	ppbv		99
61) Styrene	13.69	104	2248261	7.238	ppbv		99
62) Isopropylbenzene	14.83	105	4098248	7.056	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.84	83	2005230	6.199	ppbv		100
64) n-propylbenzene	15.73	120	1052688	7.131	ppbv		99
65) tert-Butylbenzene	16.91	119	3536137	6.991	ppbv		99
66) Benzyl Chloride	17.16	91	1842029	10.258	ppbv		99
67) sec-Butylbenzene	17.46	105	5107526	6.956	ppbv		99
69) p-Isopropyltoluene	17.82	119	4260823	6.967	ppbv		99
70) n-Butylbenzene	18.72	91	4517539	6.846	ppbv		100
71) 2-Chlorotoluene	15.62	91	3197561	7.007	ppbv		100
72) 4-Ethyltoluene	16.00	105	3399981	7.163	ppbv		99
73) 1,3,5-Trimethylbenzene	16.16	105	3265691	7.194	ppbv		98
74) 1,2,4-Trimethylbenzene	16.94	105	3242941	6.884	ppbv		98
75) 1,3-Dichlorobenzene	17.17	146	1873280	6.896	ppbv		100
76) 1,4-Dichlorobenzene	17.32	146	1916358	7.123	ppbv		100
77) 1,2-Dichlorobenzene	17.99	146	1900997	7.082	ppbv		100
78) Hexachloro-1,3-Butadiene	23.55	225	930826	6.966	ppbv		99
79) Naphthalene	22.42	128	3593103	7.099	ppbv		98
80) Naphthalene,2-methyl-	25.12	142	1417576	5.531	ppbv		99
81) 1,2,4-Trichlorobenzene	22.14	180	1773246	6.895	ppbv		99

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

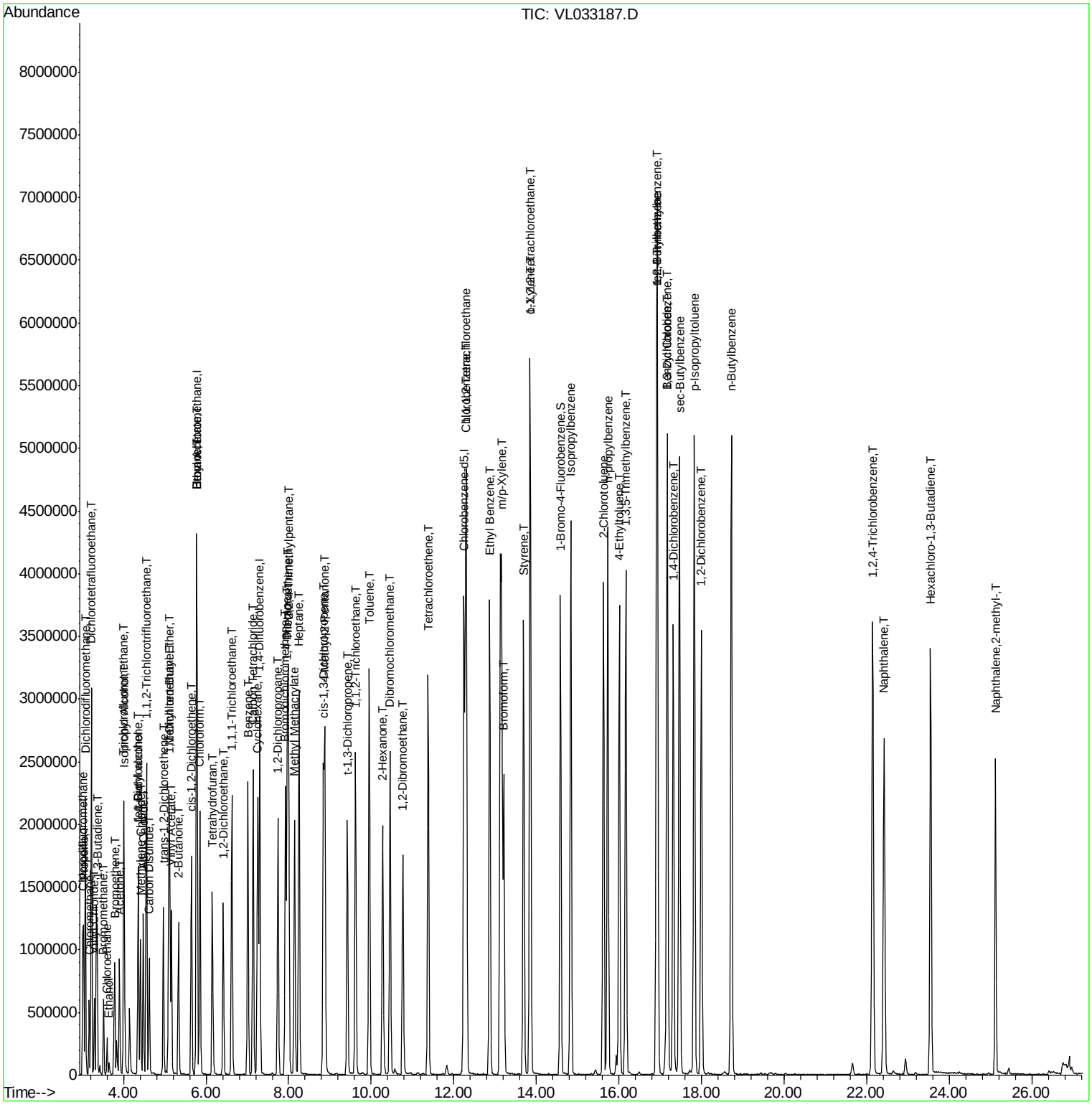
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021319\

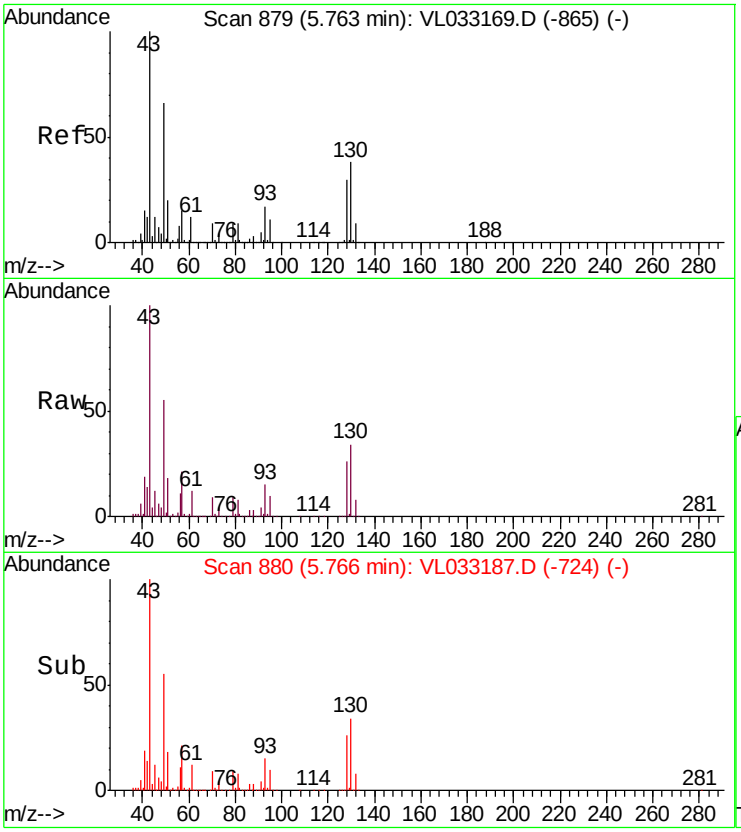
Quantitation Report (Not Reviewed)

Data File : VL033187.D
Acq On : 13 Feb 2019 14:31
Operator : SY/AP
Sample : VL0213ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Quant Time: Feb 14 04:26:24 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration



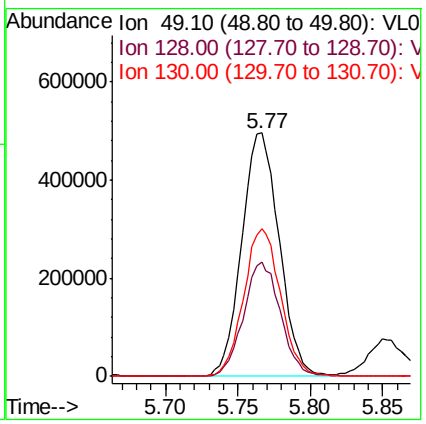


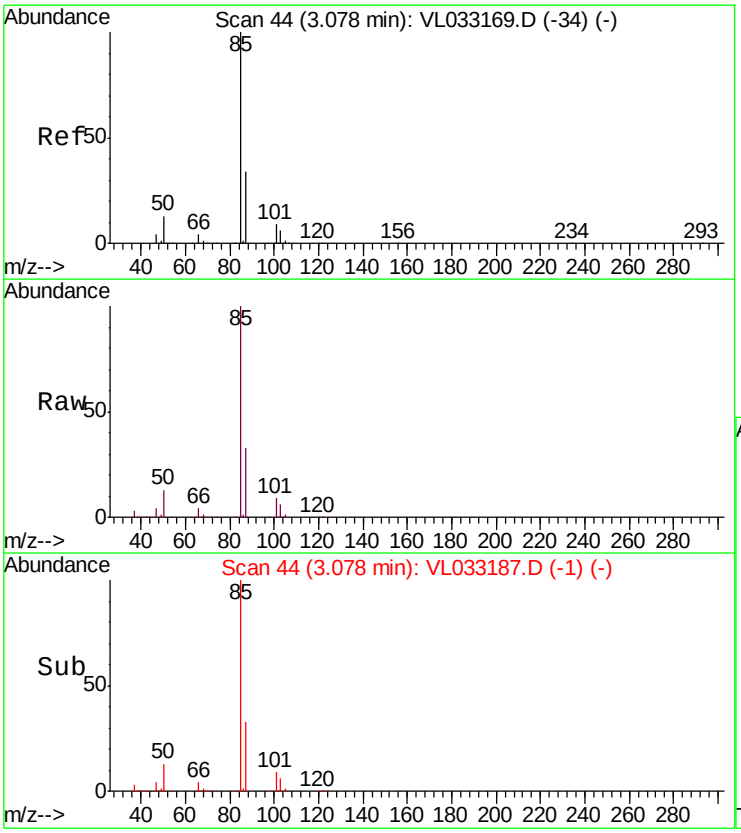
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion: 49 Resp: 892991

Ion	Ratio	Lower	Upper
49	100		
128	46.5	23.6	71.0
130	60.1	30.3	91.0

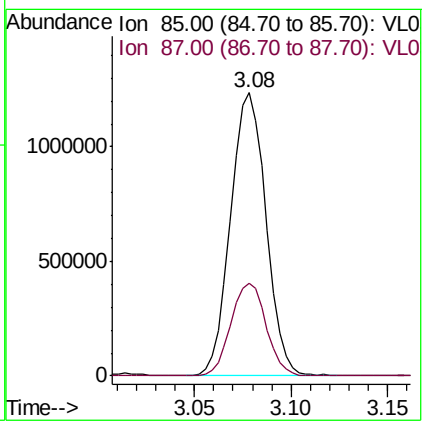


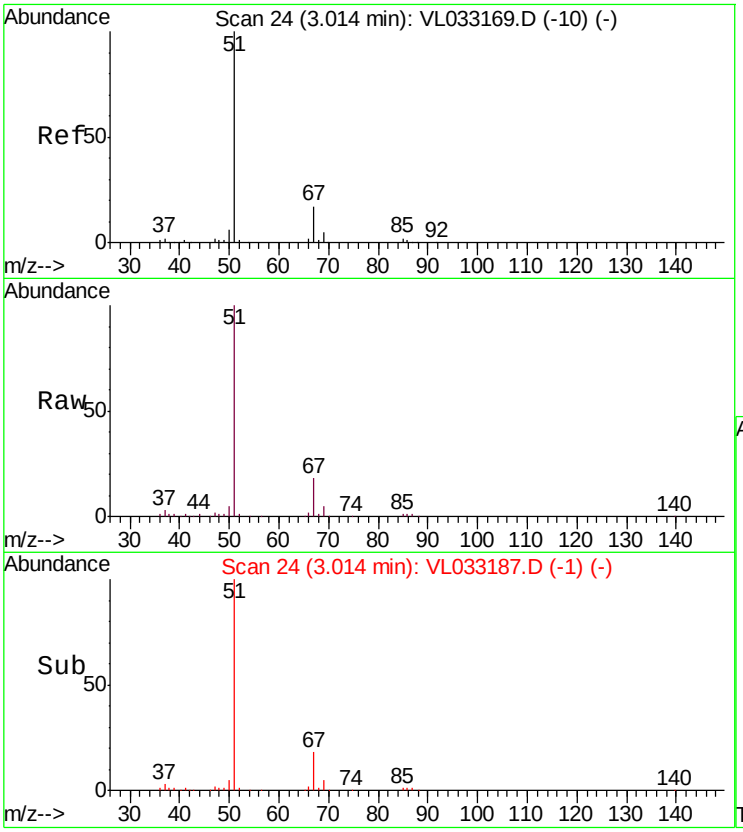


#2
Dichlorodifluoromethane
Concen: 9.176 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 85 Resp: 1566558

Ion	Ratio	Lower	Upper
85	100		
87	32.6	27.4	41.2



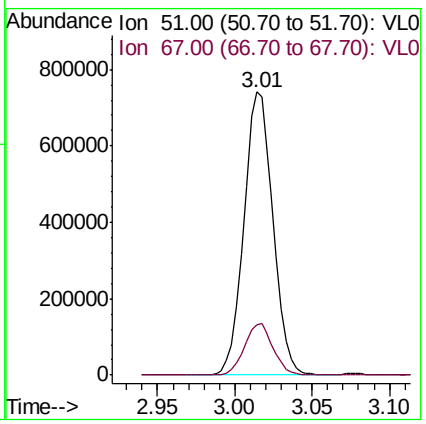


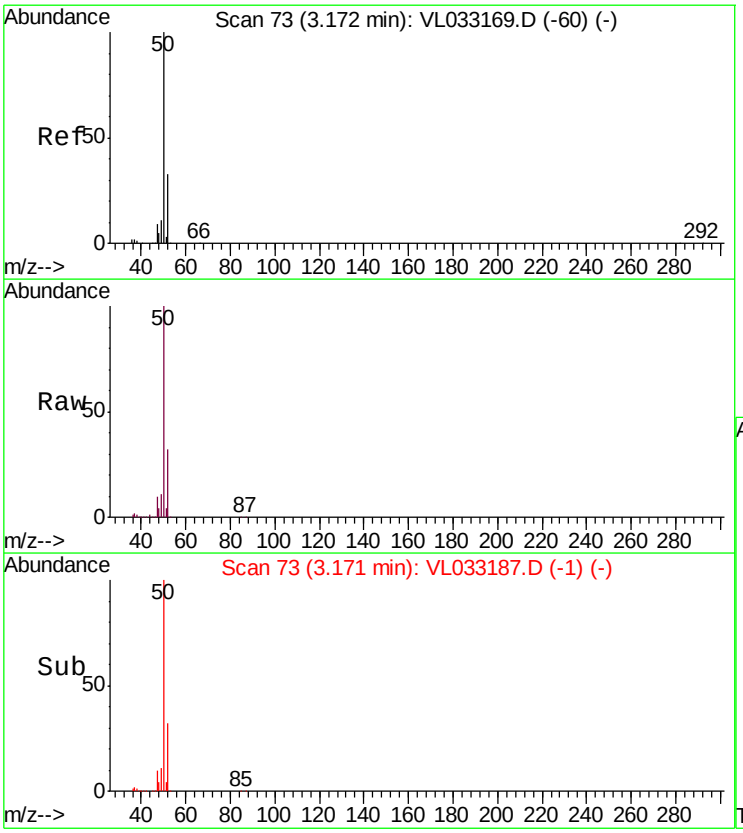
#3
Chlorodifluoromethane
Concen: 9.033 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion: 51 Resp: 971218

Ion	Ratio	Lower	Upper
51	100		
67	17.9	14.0	21.0

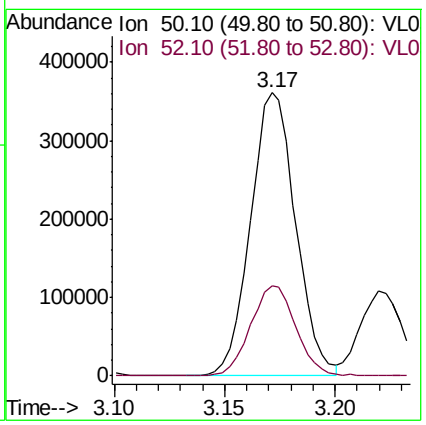


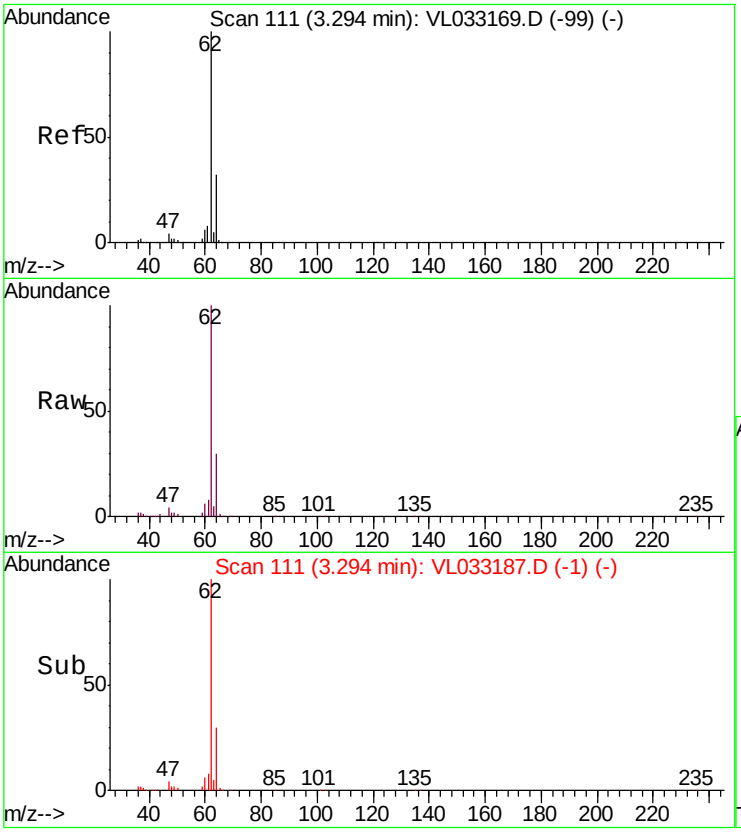


#4
Chloromethane
Concen: 9.046 ppbv
RT: 3.17 min Scan# 73
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 50 Resp: 513580

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.5	39.7



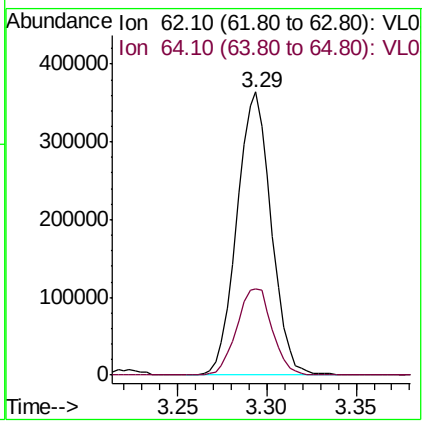


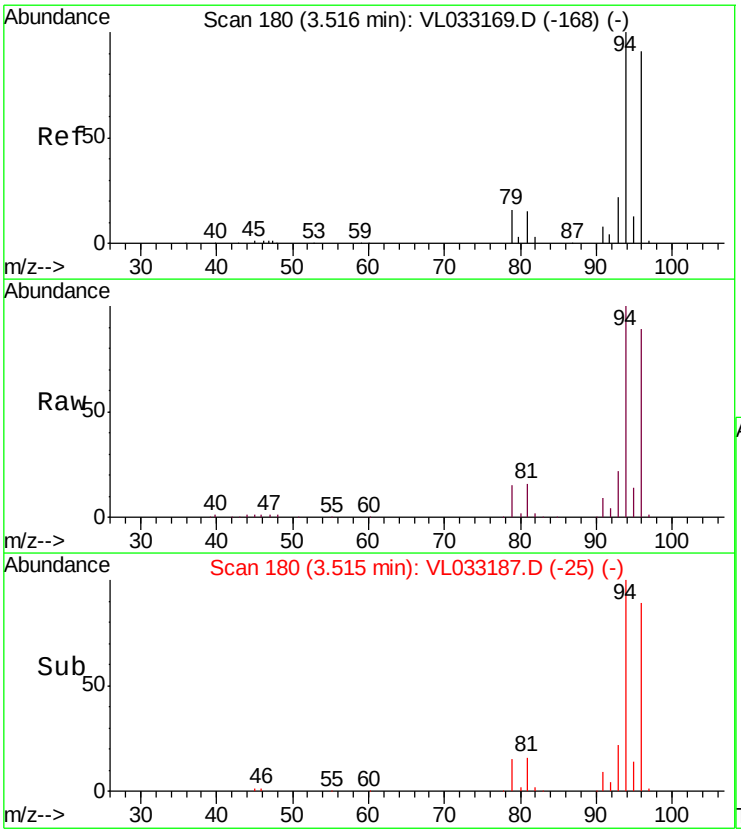
#5
Vinyl Chloride
Concen: 8.255 ppbv
RT: 3.29 min Scan# 111
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion: 62 Resp: 489775

Ion	Ratio	Lower	Upper
62	100		
64	30.4	25.6	38.4

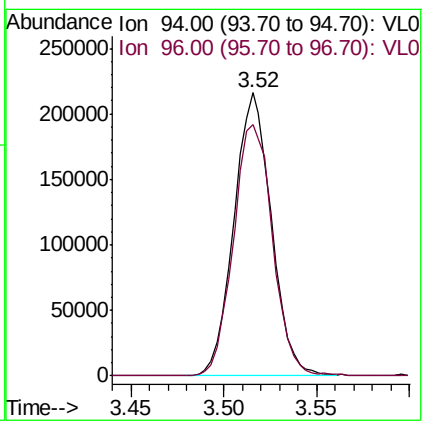


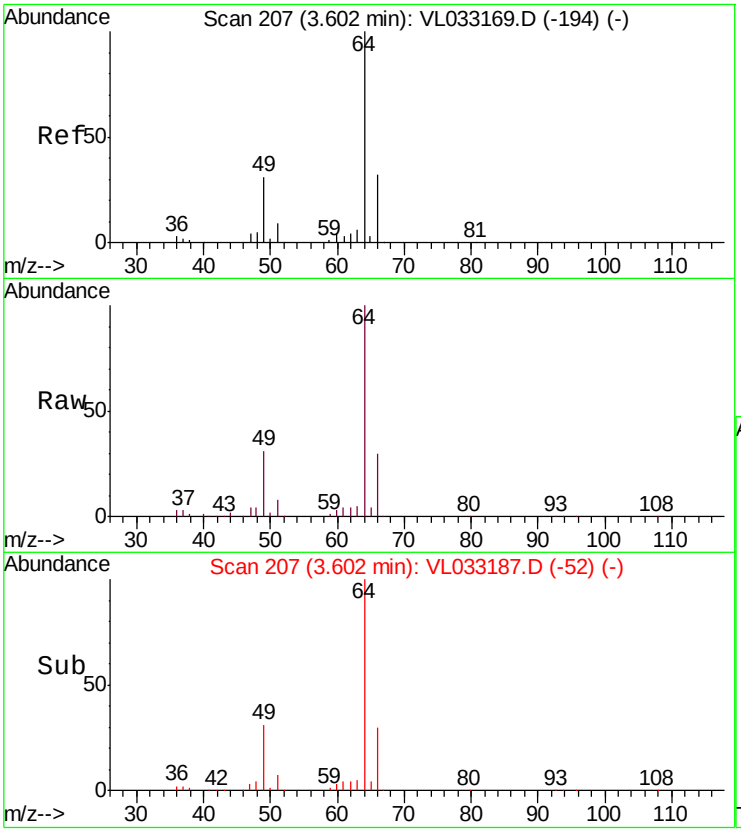


#6
Bromomethane
Concen: 9.311 ppbv
RT: 3.52 min Scan# 180
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 94 Resp: 303391

Ion	Ratio	Lower	Upper
94	100		
96	88.7	73.2	109.8



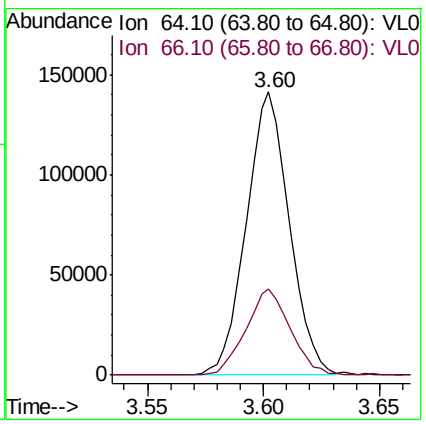


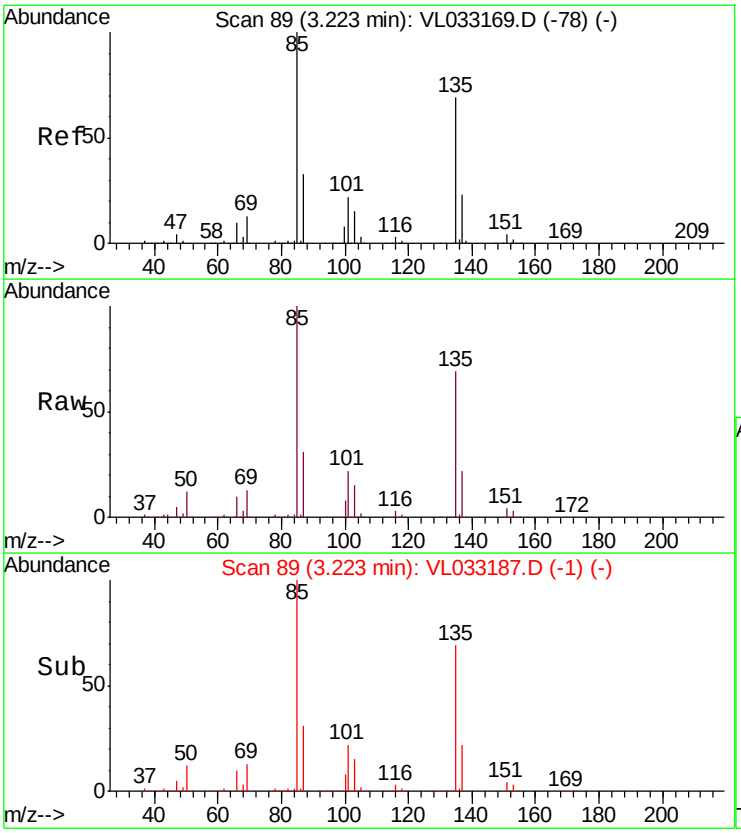
#7
Chloroethane
Concen: 9.417 ppbv
RT: 3.60 min Scan# 207
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion: 64 Resp: 182516

Ion	Ratio	Lower	Upper
64	100		
66	30.7	26.0	39.0

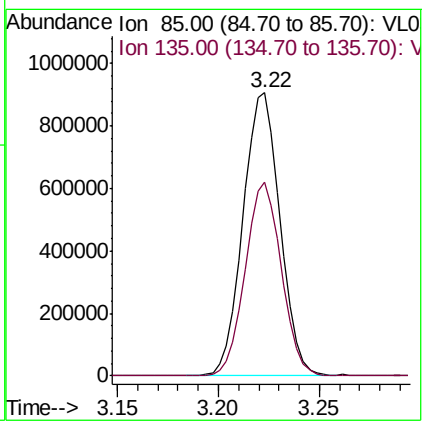


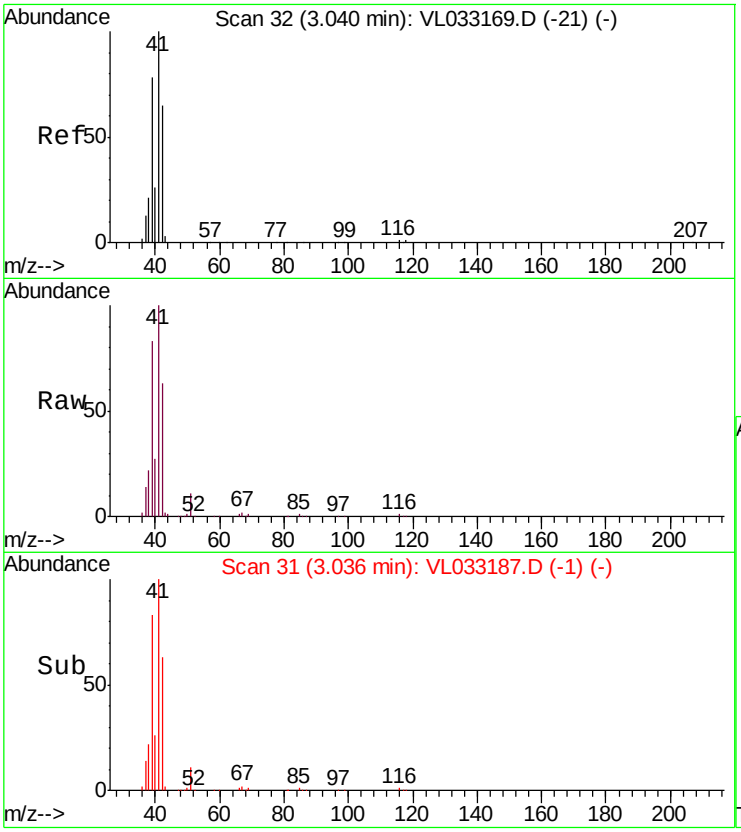


#8
Dichlorotetrafluoroethane
Concen: 8.734 ppbv
RT: 3.22 min Scan# 89
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 85 Resp: 1166205

Ion	Ratio	Lower	Upper
85	100		
135	67.2	54.3	81.5



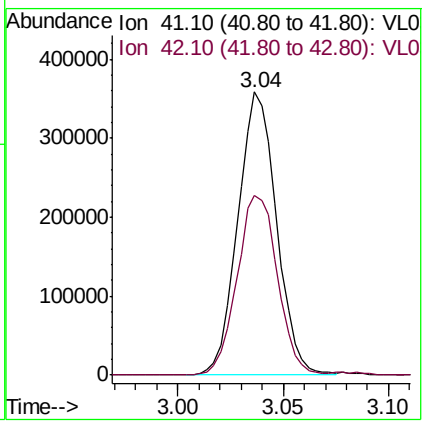


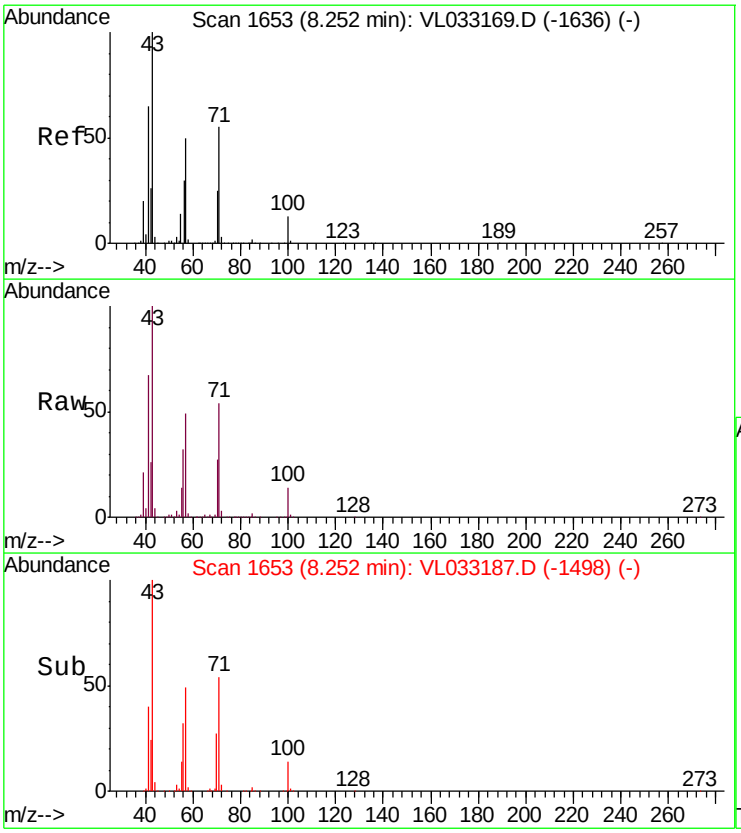
#9
Propene
Concen: 8.786 ppbv
RT: 3.04 min Scan# 31
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion: 41 Resp: 456349

Ion	Ratio	Lower	Upper
41	100		
42	67.4	55.0	82.6

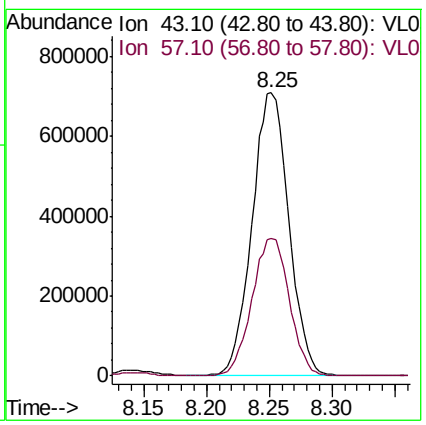


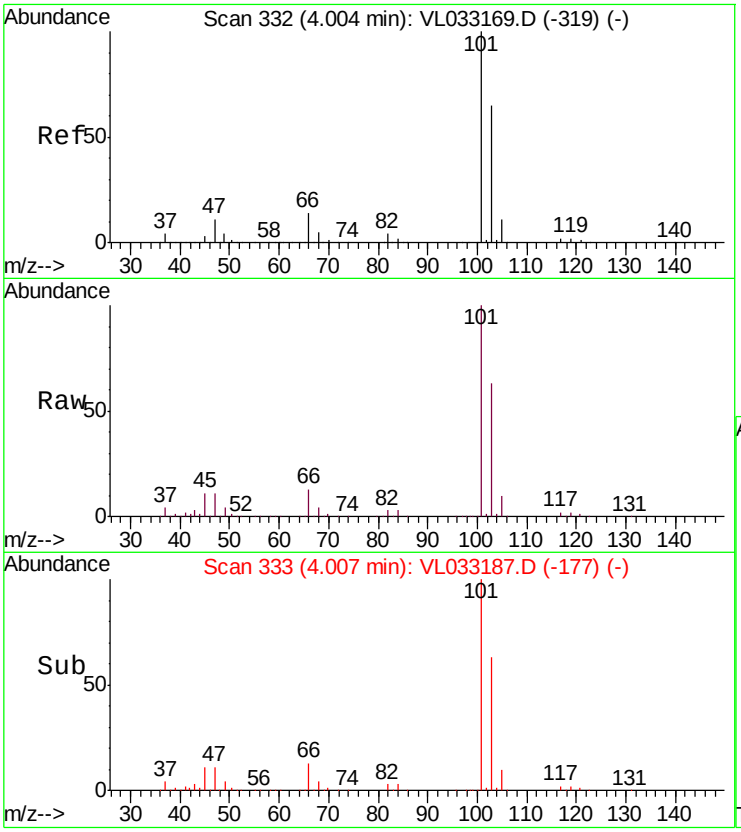


#10
Heptane
Concen: 9.191 ppbv
RT: 8.25 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 43 Resp: 1444201

Ion	Ratio	Lower	Upper
43	100		
57	49.5	39.5	59.3



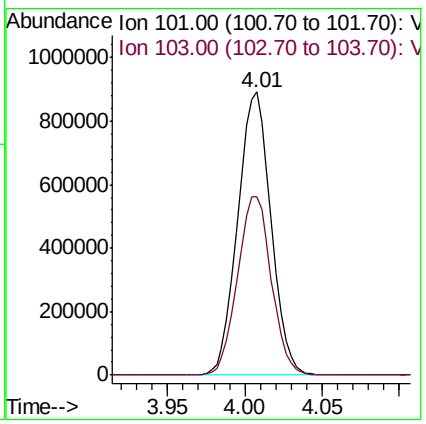


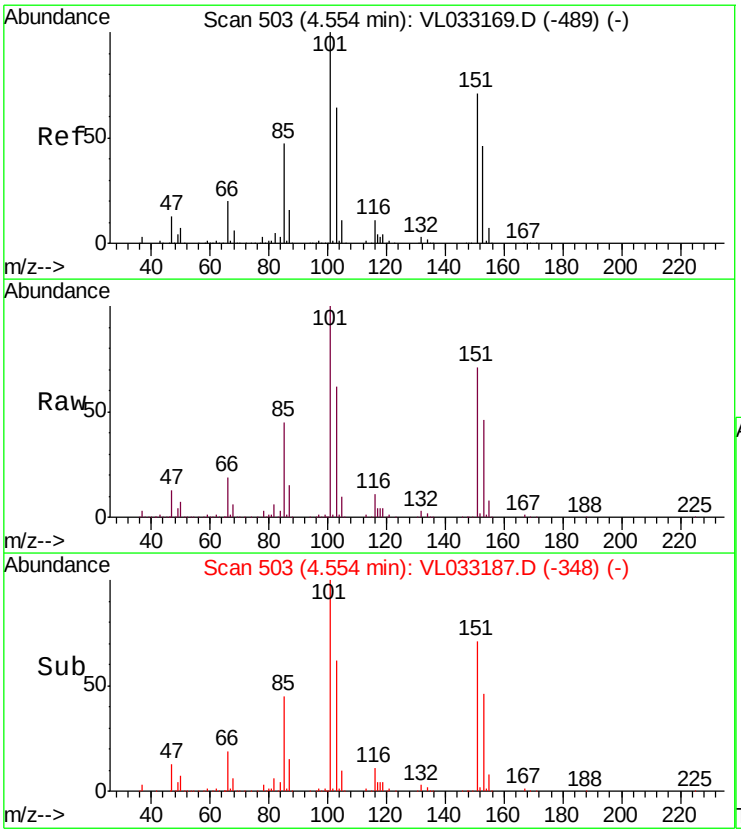
#11
Trichlorofluoromethane
Concen: 9.659 ppbv
RT: 4.01 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion:101 Resp: 1335079

Ion	Ratio	Lower	Upper
101	100		
103	63.2	51.7	77.5

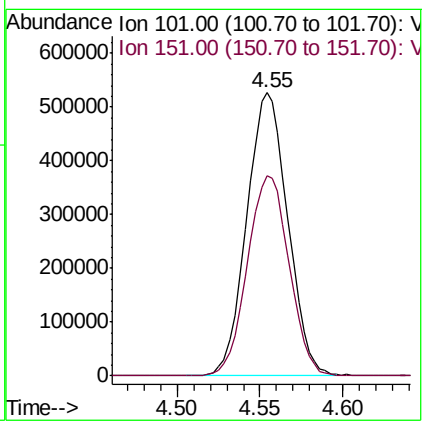


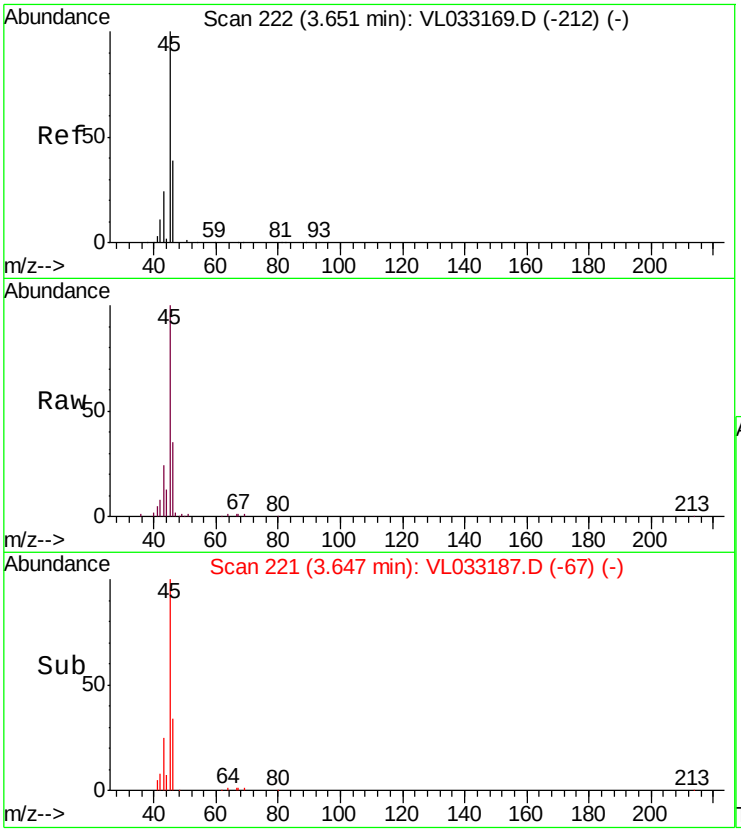


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.431 ppbv
RT: 4.55 min Scan# 503
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion:101 Resp: 903380

Ion	Ratio	Lower	Upper
101	100		
151	72.2	57.4	86.0



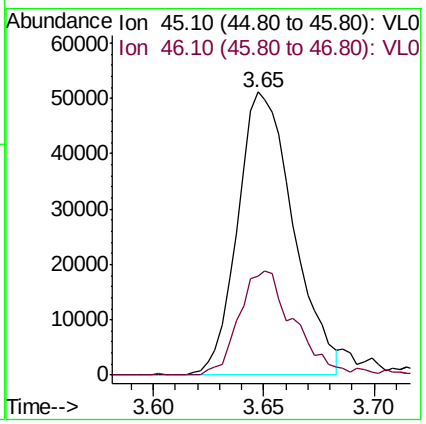


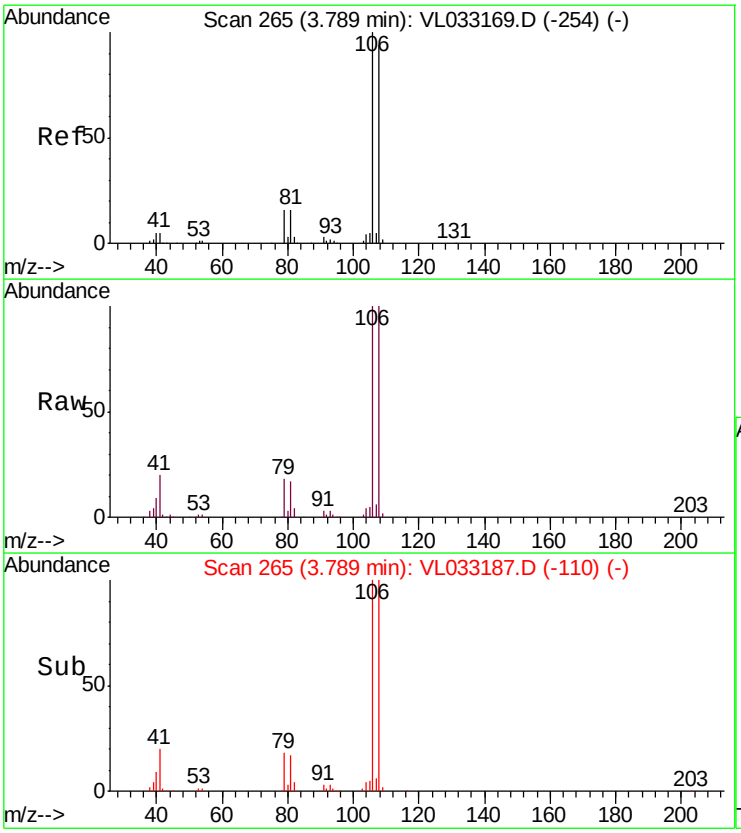
#13
Ethanol
Concen: 5.194 ppbv
RT: 3.65 min Scan# 221
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion: 45 Resp: 89971

Ion	Ratio	Lower	Upper
45	100		
46	37.9	15.0	60.2

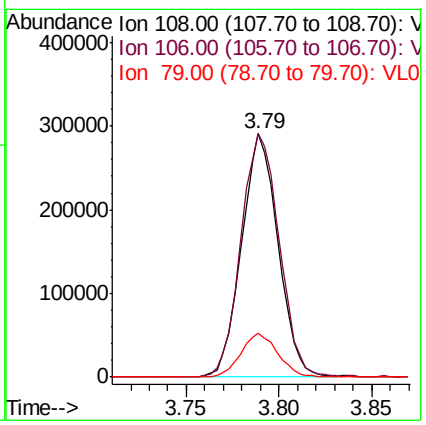


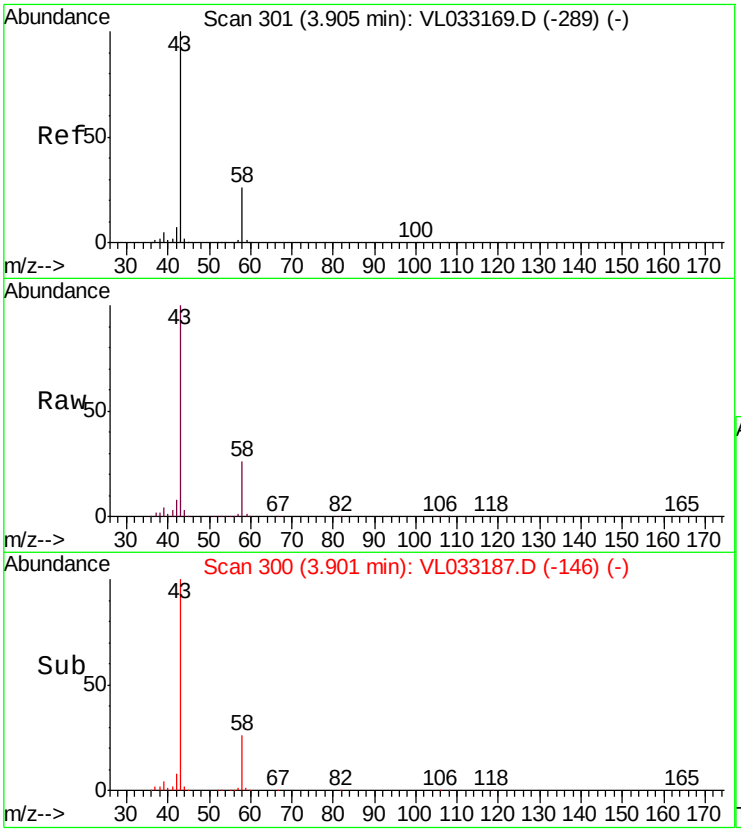


#14
Bromoethene
Concen: 9.628 ppbv
RT: 3.79 min Scan# 265
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion:108 Resp: 397663

Ion	Ratio	Lower	Upper
108	100		
106	105.5	86.0	129.0
79	18.3	14.5	21.7



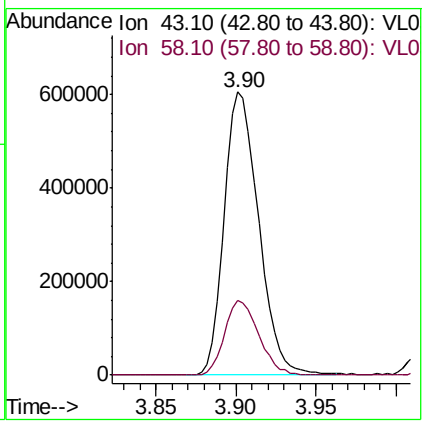


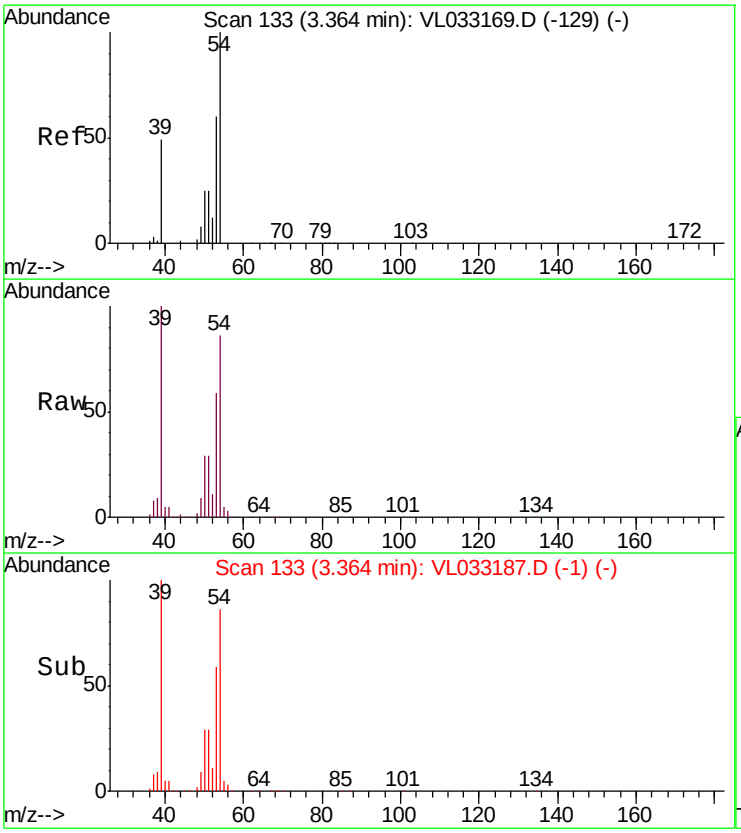
#15
Acetone
Concen: 8.844 ppbv
RT: 3.90 min Scan# 300
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion: 43 Resp: 889802

Ion	Ratio	Lower	Upper
43	100		
58	26.2	21.1	31.7

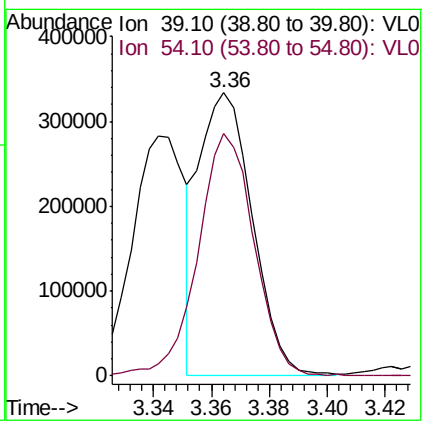


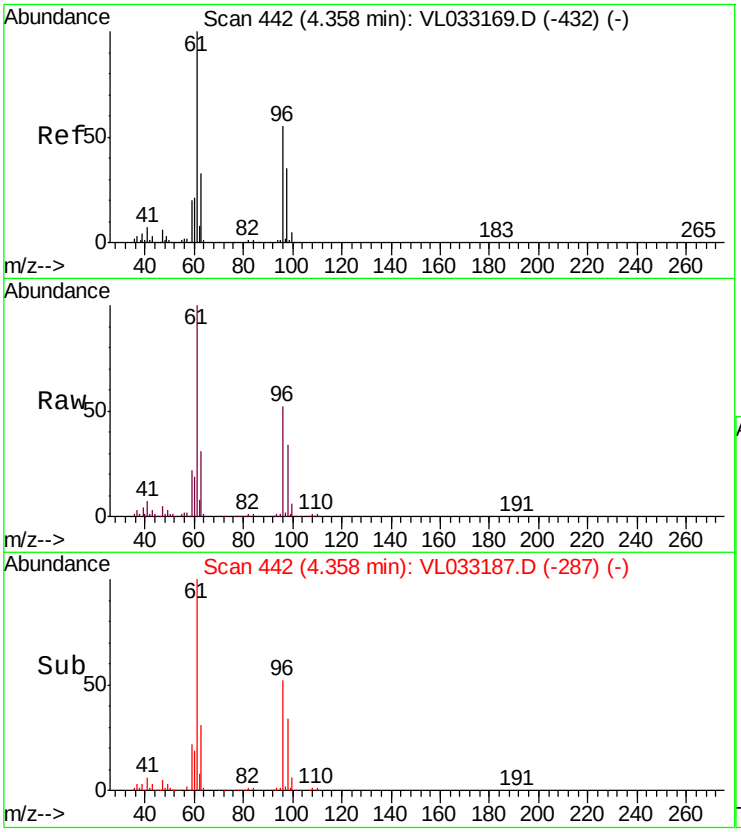


#16
1,3-Butadiene
Concen: 8.894 ppbv
RT: 3.36 min Scan# 133
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 39 Resp: 424734

Ion	Ratio	Lower	Upper
39	100		
54	91.2	71.3	106.9



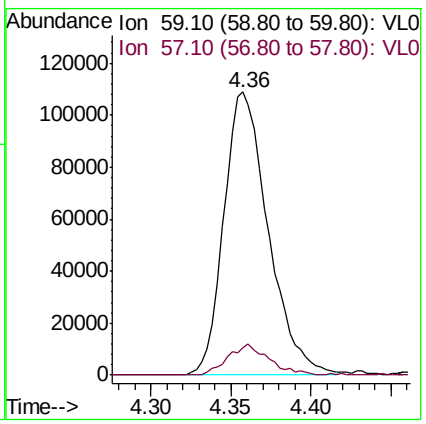


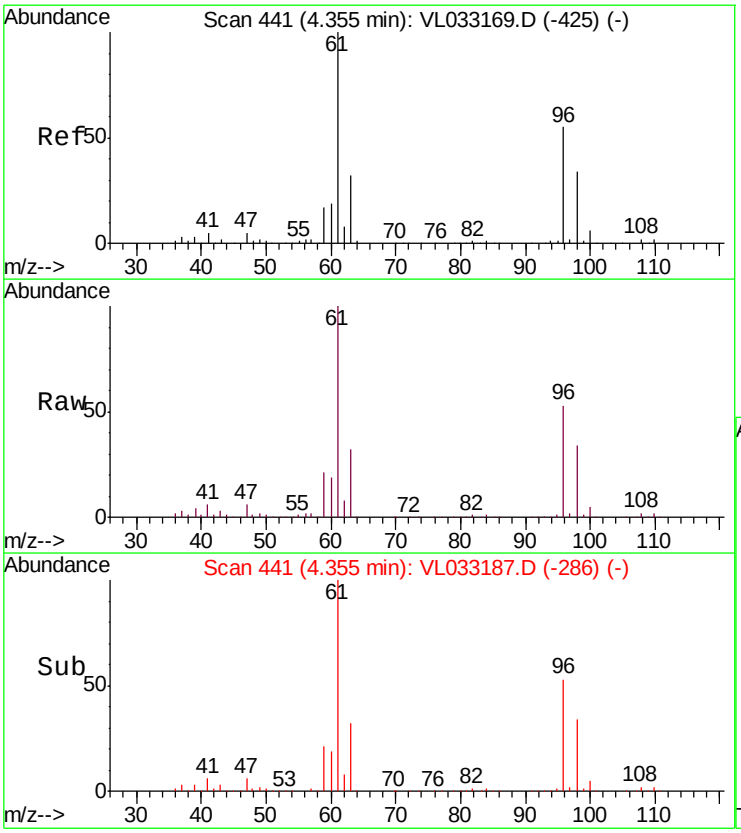
#17
tert-Butyl alcohol
Concen: 10.721 ppbv
RT: 4.36 min Scan# 442
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion: 59 Resp: 205649

Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.6	11.4

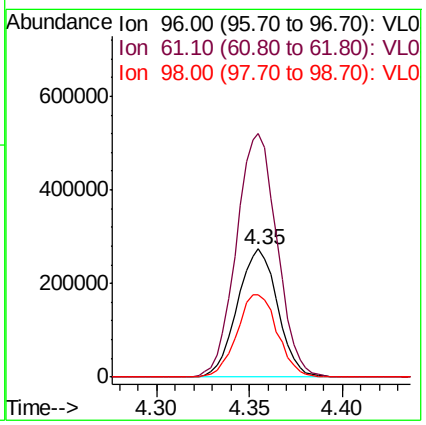


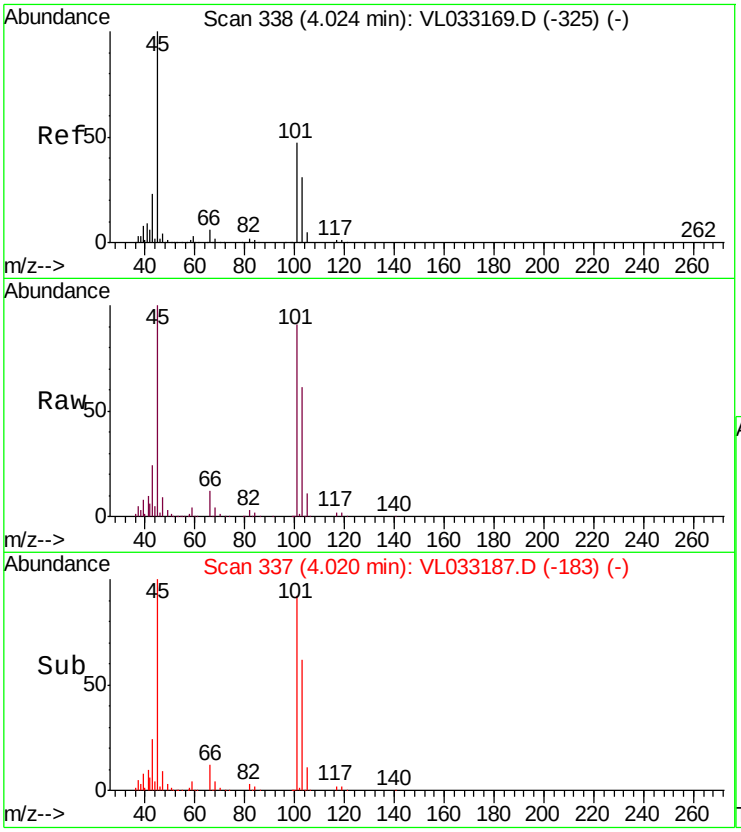


#18
1,1-Dichloroethene
Concen: 9.660 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 96 Resp: 414198

Ion	Ratio	Lower	Upper
96	100		
61	190.5	145.0	217.6
98	64.2	50.0	75.0



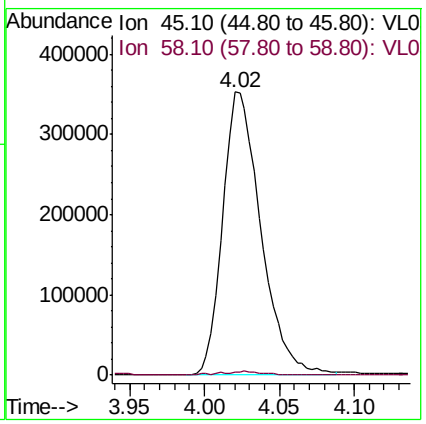


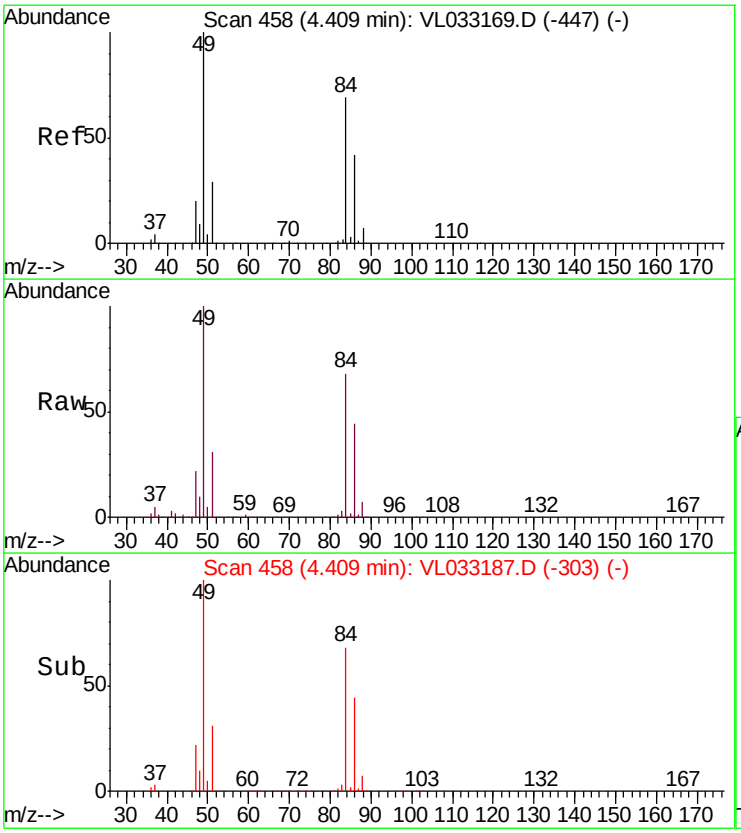
#19
Isopropyl Alcohol
Concen: 9.199 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion: 45 Resp: 627705

Ion	Ratio	Lower	Upper
45	100		
58	1.8	1.5	2.3

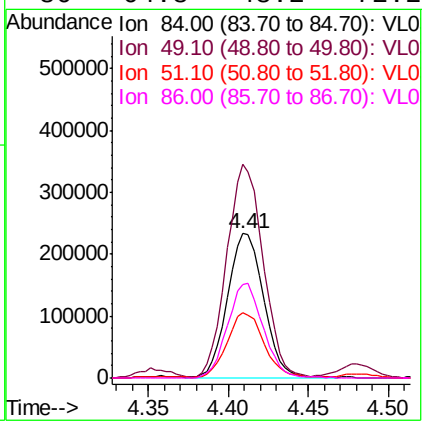


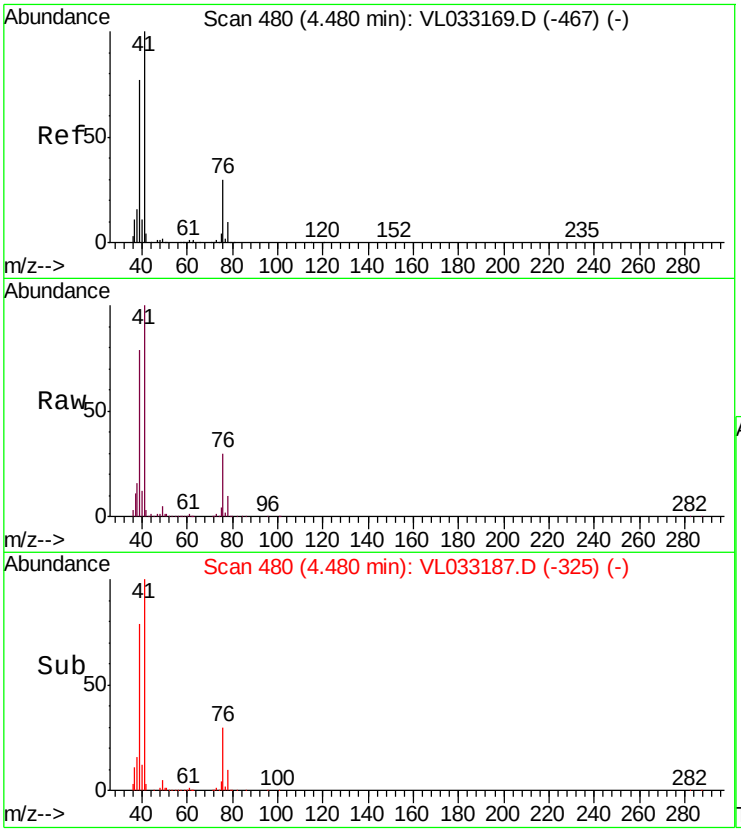


#20
Methylene Chloride
Concen: 9.003 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 84 Resp: 360296

Ion	Ratio	Lower	Upper
84	100		
49	146.8	115.8	173.8
51	44.6	33.0	49.6
86	64.8	48.2	72.2



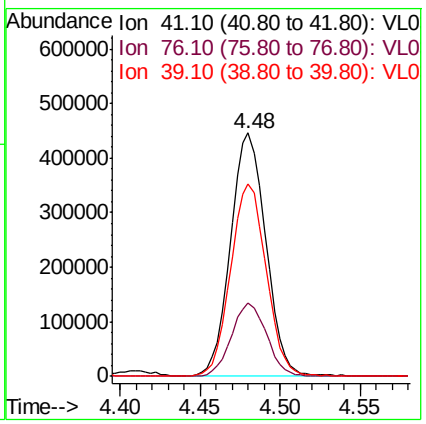


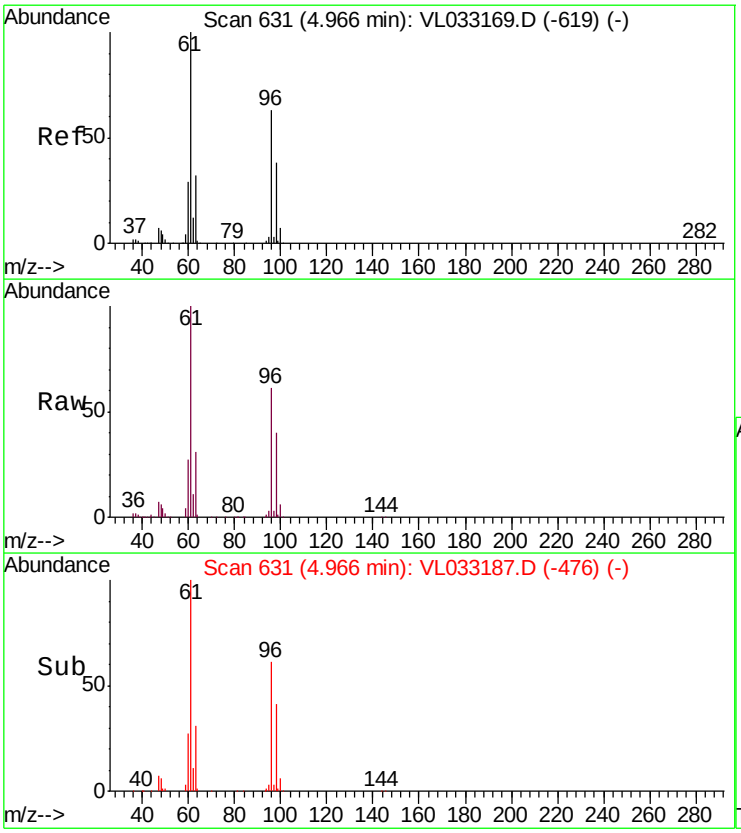
#21
Allyl Chloride
Concen: 9.985 ppbv
RT: 4.48 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion: 41 Resp: 663293

Ion	Ratio	Lower	Upper
41	100		
76	30.3	24.5	36.7
39	80.1	64.1	96.1

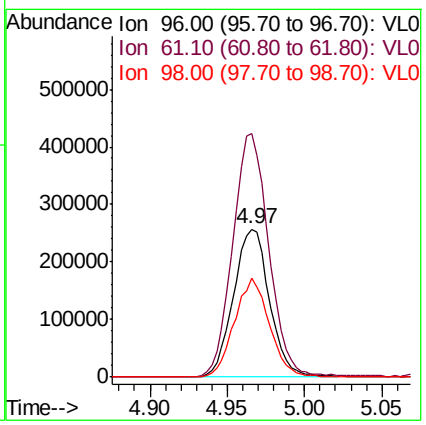


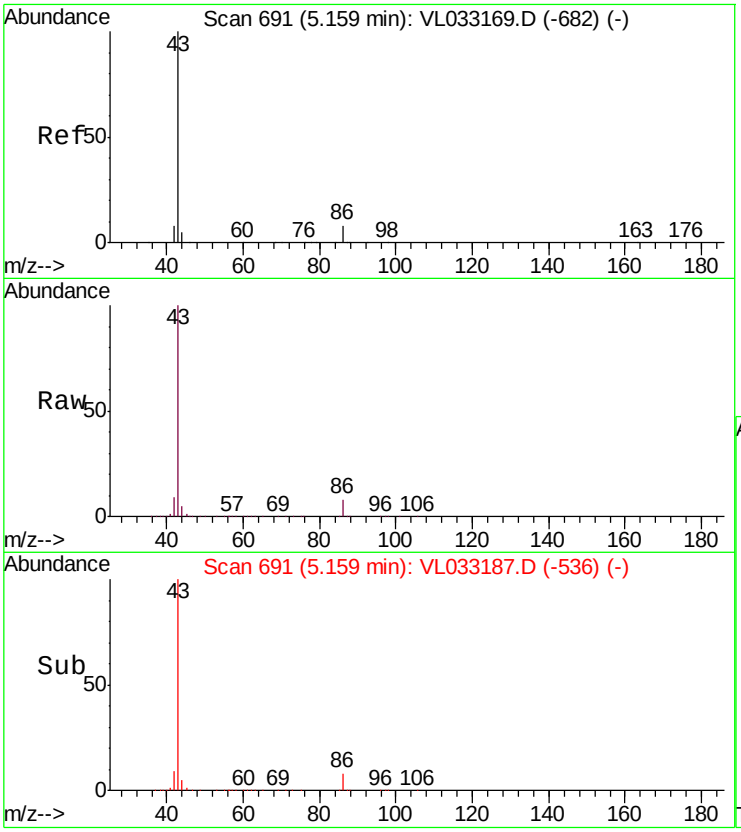


#22
trans-1,2-Dichloroethene
Concen: 10.012 ppbv
RT: 4.97 min Scan# 631
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 96 Resp: 416942

Ion	Ratio	Lower	Upper
96	100		
61	164.9	126.4	189.6
98	66.6	48.4	72.6



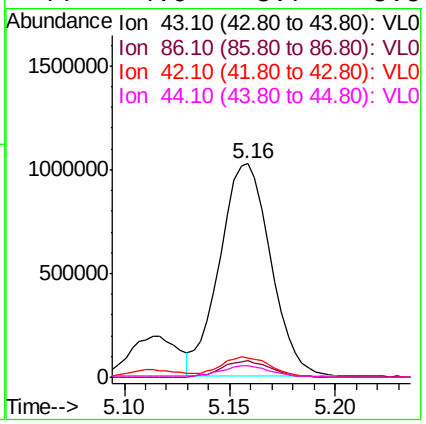


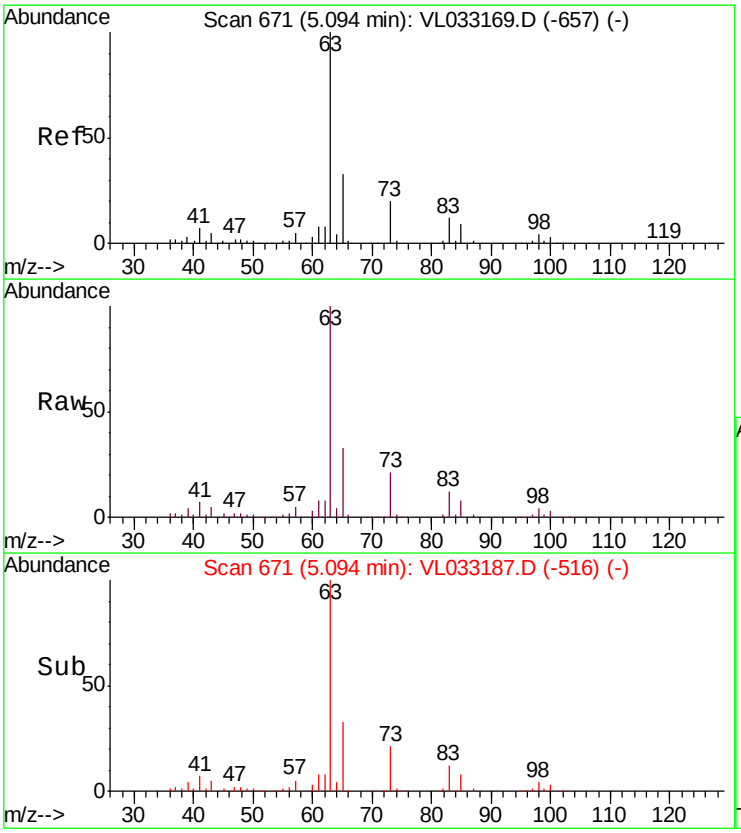
#23
Vinyl Acetate
Concen: 9.839 ppbv
RT: 5.16 min Scan# 691
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion: 43 Resp: 1715544

Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.8	8.8
42	9.0	7.4	11.0
44	4.9	3.7	5.5

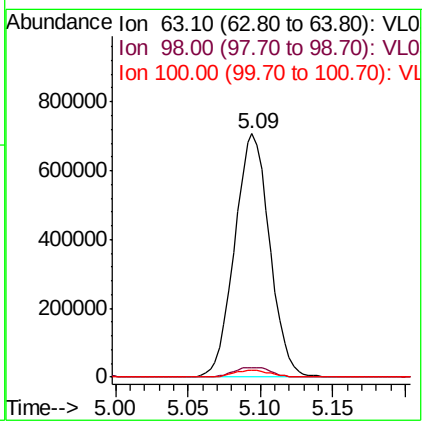


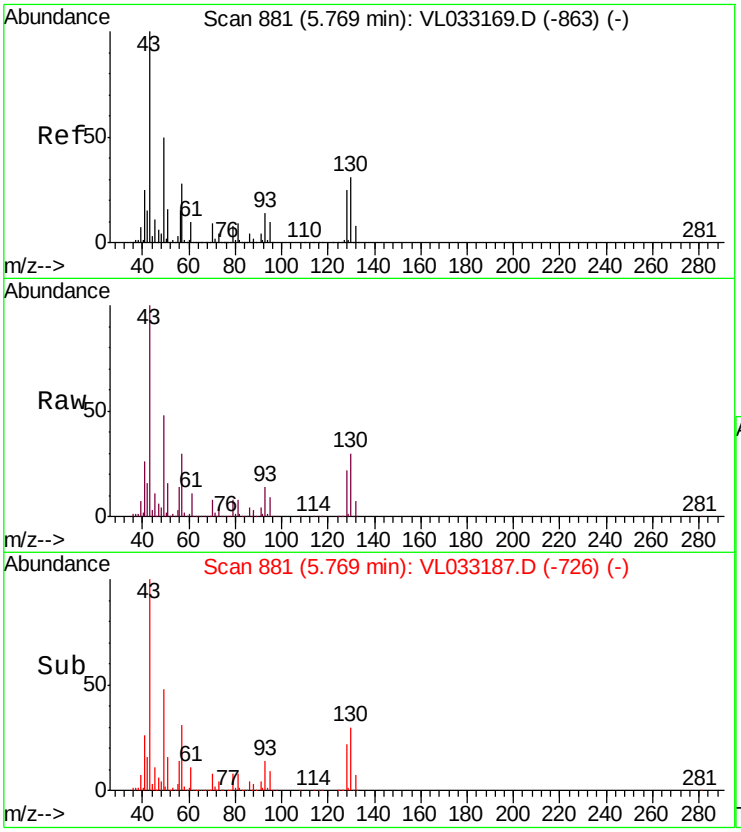


#24
1,1-Dichloroethane
Concen: 9.614 ppbv
RT: 5.09 min Scan# 671
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 63 Resp: 1185712

Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.1	6.5
100	2.7	1.4	4.2



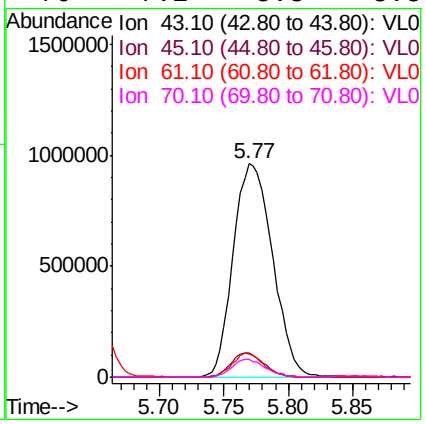


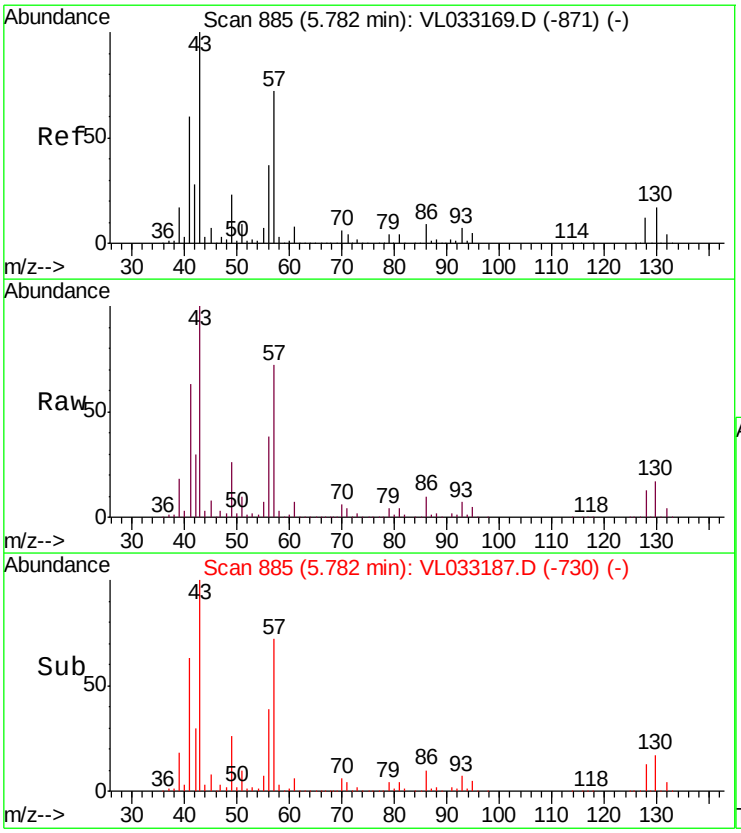
#25
Ethyl Acetate
Concen: 9.058 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion: 43 Resp: 2049110

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.1	7.5	11.3
70	7.2	5.8	8.8

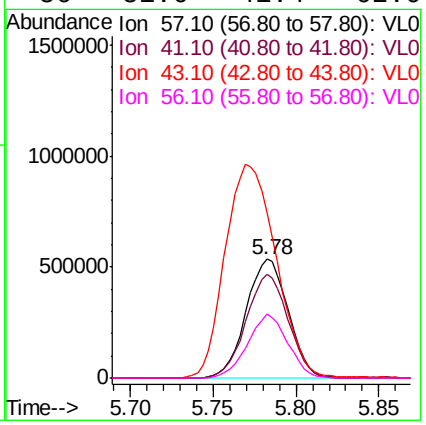


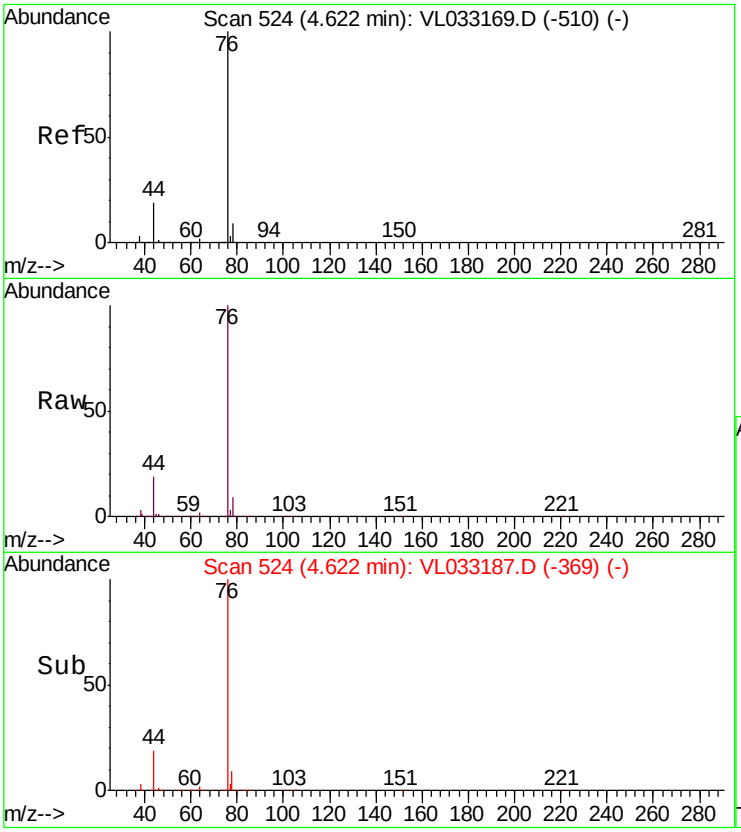


#26
Hexane
Concen: 8.855 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 57 Resp: 940369

Ion	Ratio	Lower	Upper
57	100		
41	87.8	69.4	104.2
43	219.1	176.7	265.1
56	51.6	41.4	62.0



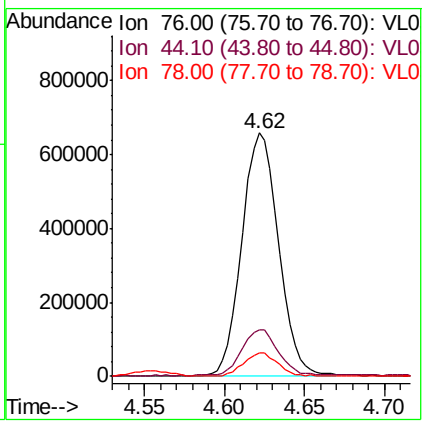


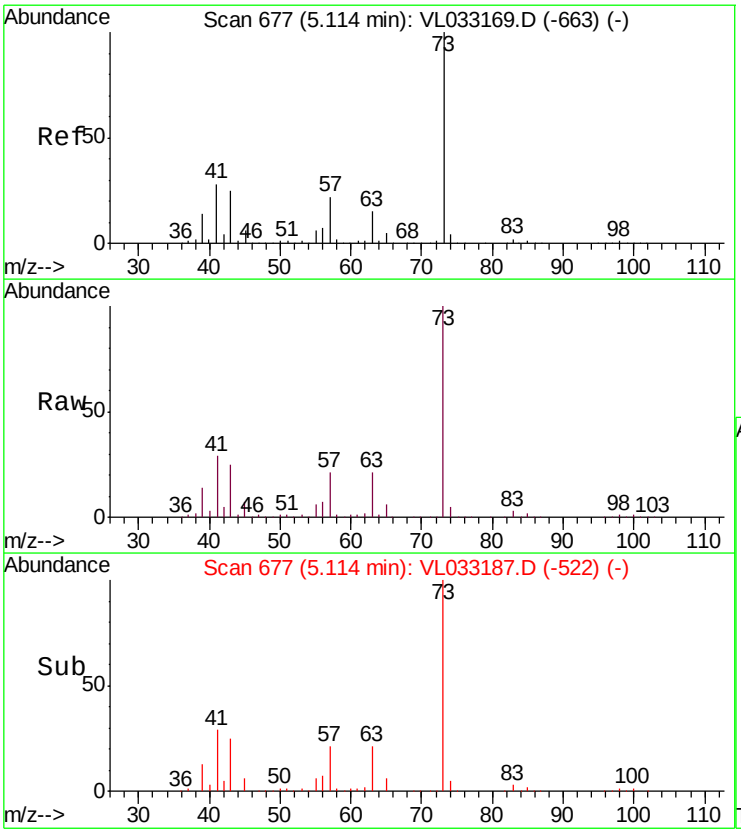
#27
Carbon Disulfide
Concen: 10.609 ppbv
RT: 4.62 min Scan# 524
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion: 76 Resp: 1032101

Ion	Ratio	Lower	Upper
76	100		
44	18.8	15.0	22.4
78	9.2	7.4	11.0

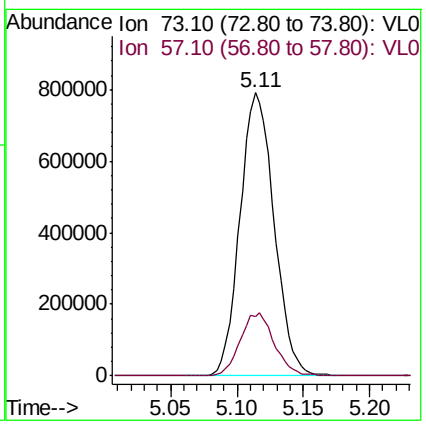


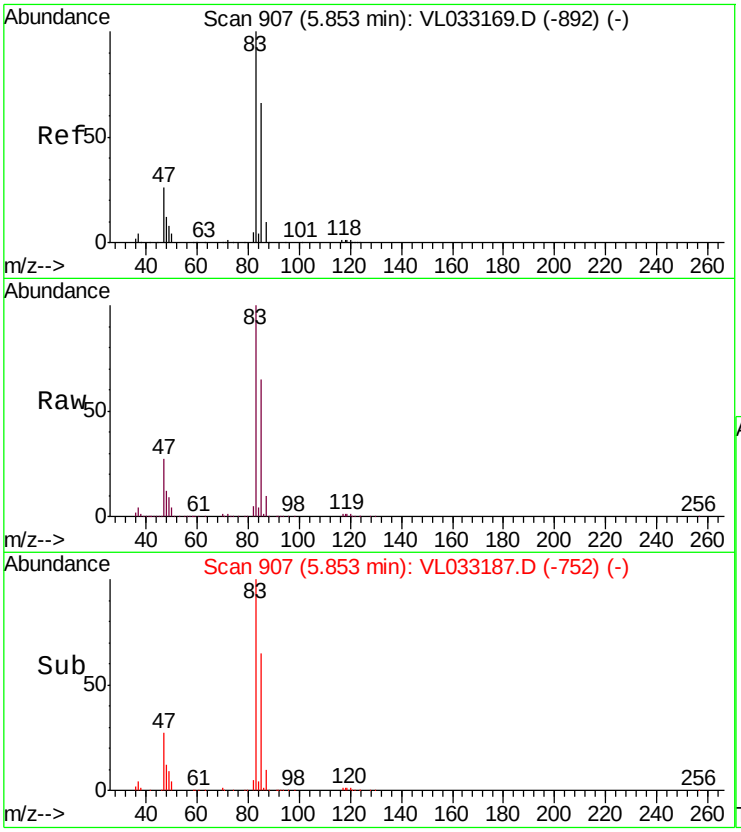


#28
Methyl tert-Butyl Ether
Concen: 9.750 ppbv
RT: 5.11 min Scan# 677
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 73 Resp: 1414901

Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.9	26.9



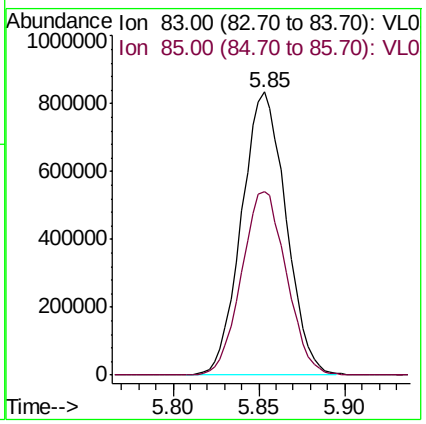


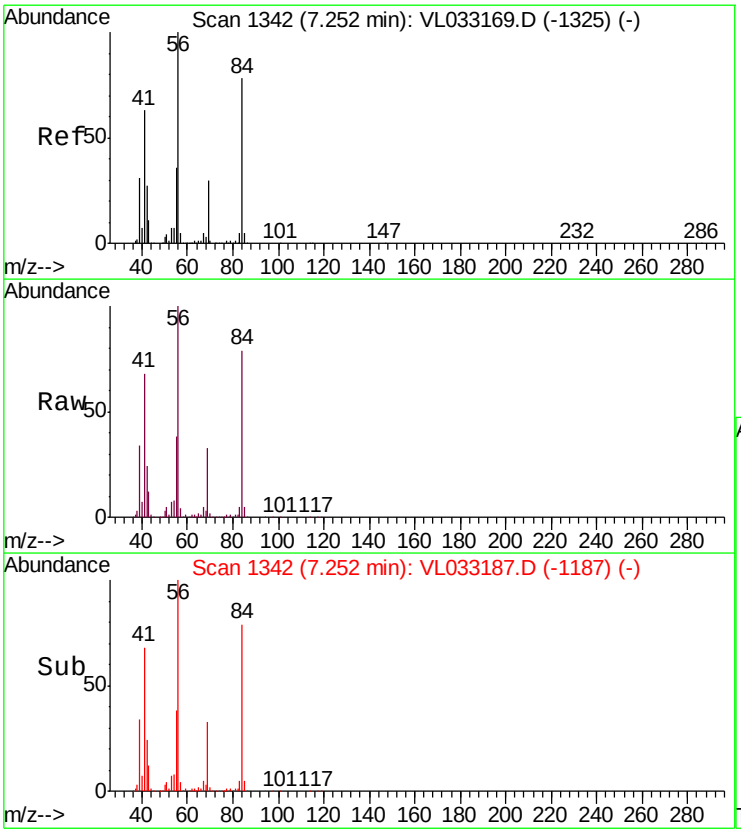
#29
Chloroform
Concen: 9.183 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion: 83 Resp: 1494446

Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.6	78.8

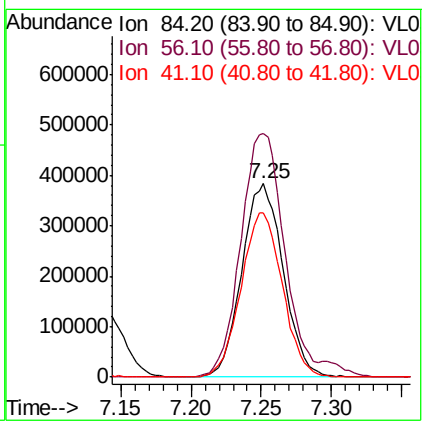


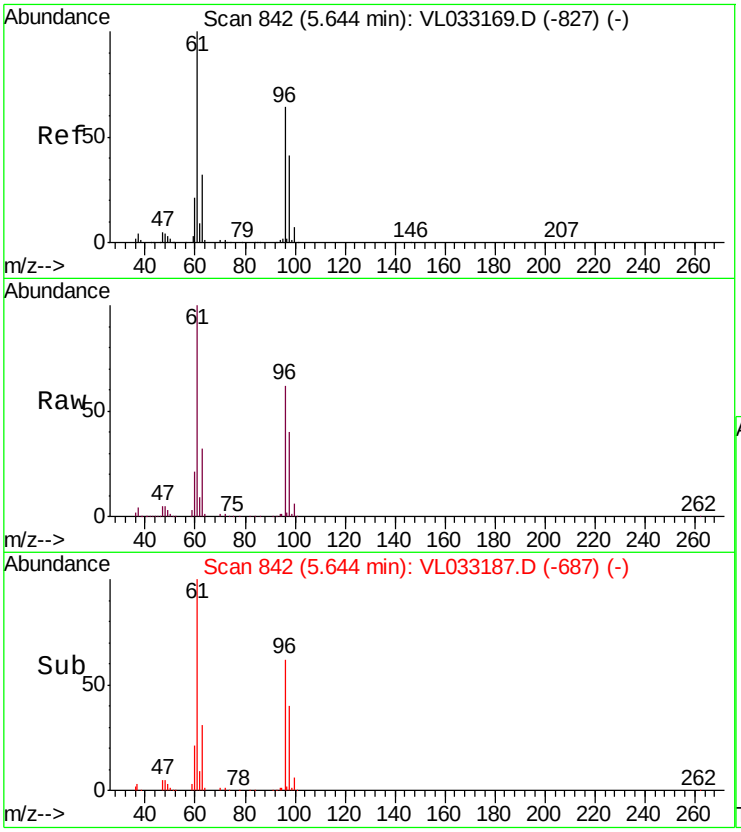


#30
Cyclohexane
Concen: 7.997 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 84 Resp: 787963

Ion	Ratio	Lower	Upper
84	100		
56	136.7	109.5	164.3
41	85.0	66.6	100.0



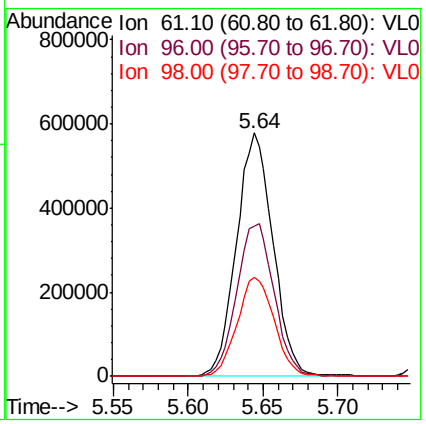


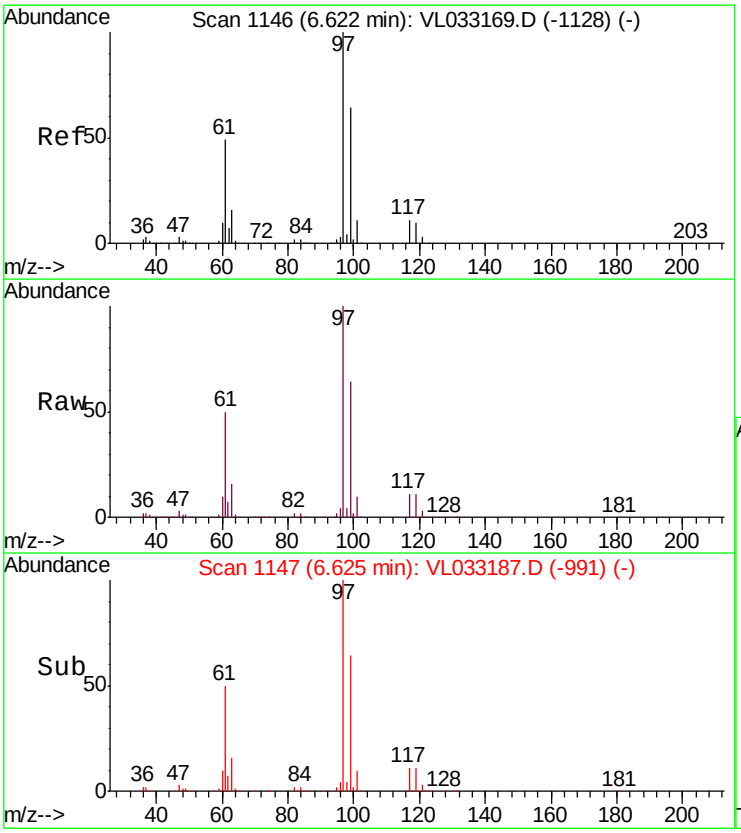
#31
cis-1,2-Dichloroethene
Concen: 9.237 ppbv
RT: 5.64 min Scan# 842
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion: 61 Resp: 981736

Ion	Ratio	Lower	Upper
61	100		
96	61.9	51.2	76.8
98	40.4	32.8	49.2

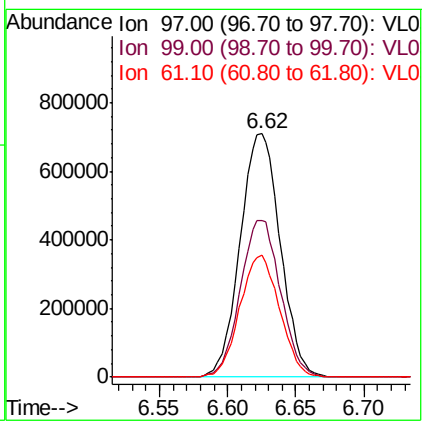


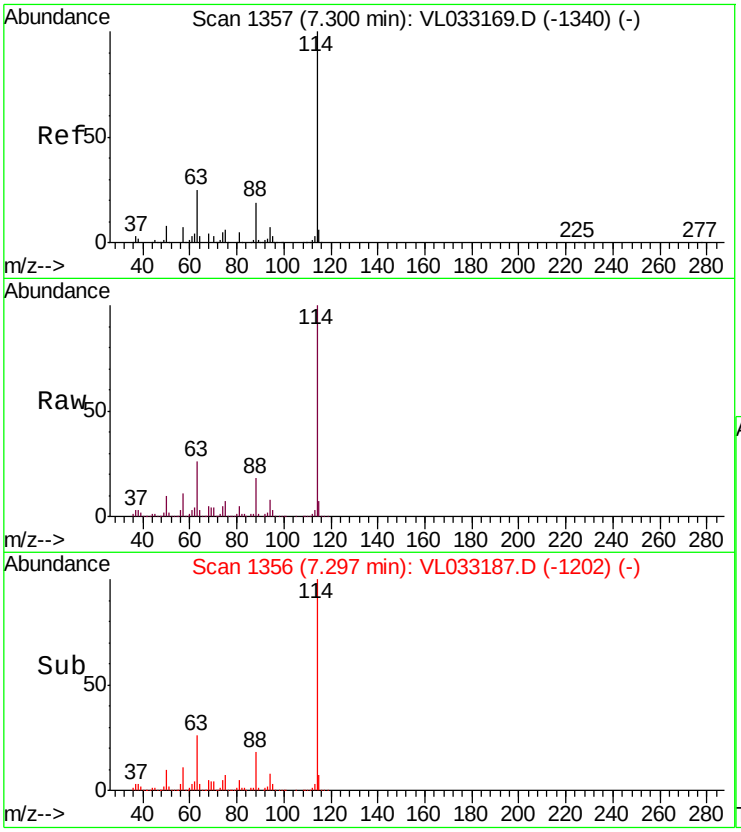


#32
1,1,1-Trichloroethane
Concen: 8.065 ppbv
RT: 6.62 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 97 Resp: 1445216

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.2
61	50.1	38.9	58.3



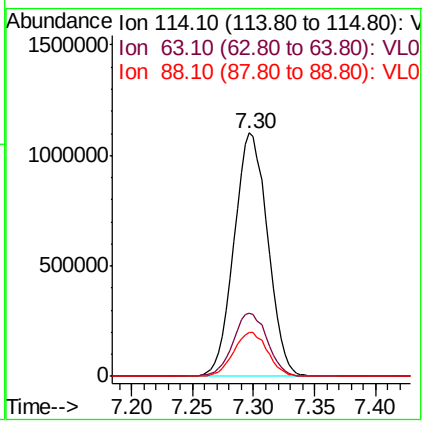


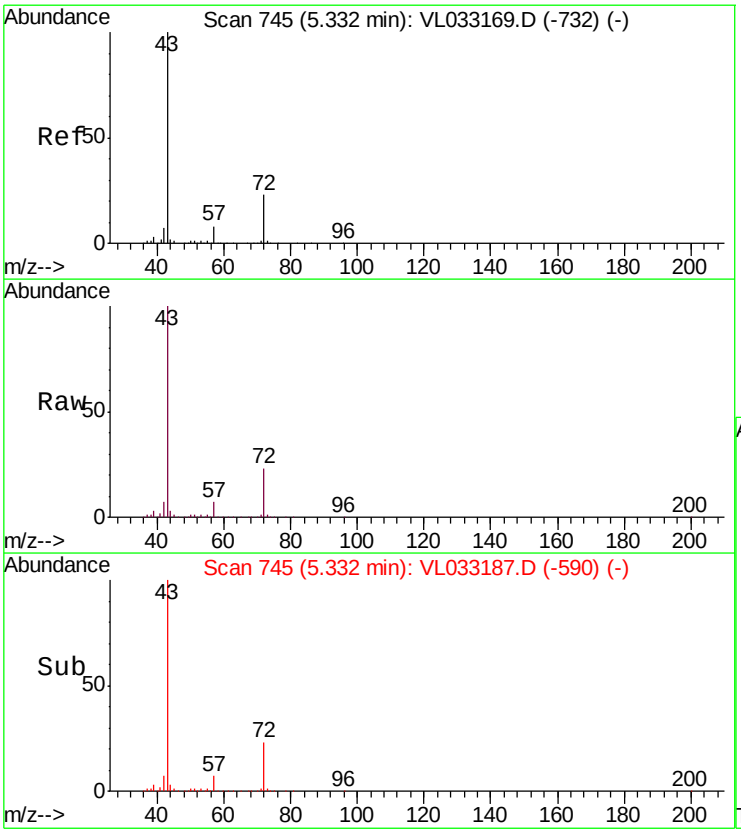
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion:114 Resp: 2101752

Ion	Ratio	Lower	Upper
114	100		
63	26.7	20.8	31.2
88	18.3	14.6	22.0

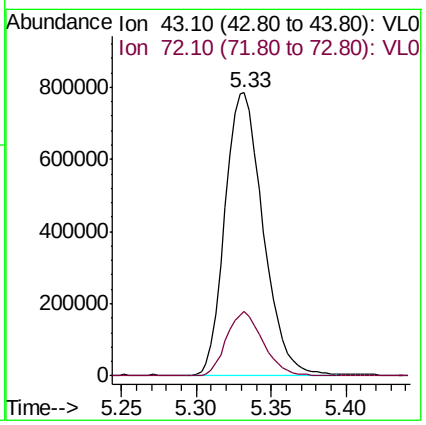


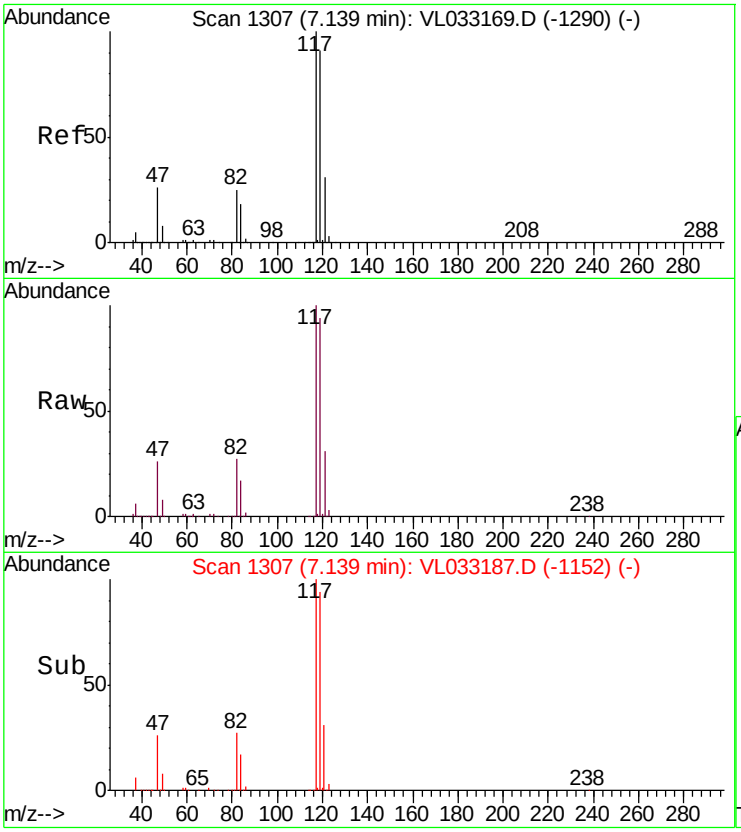


#34
2-Butanone
Concen: 10.437 ppbv
RT: 5.33 min Scan# 745
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 43 Resp: 1391428

Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.8	26.6



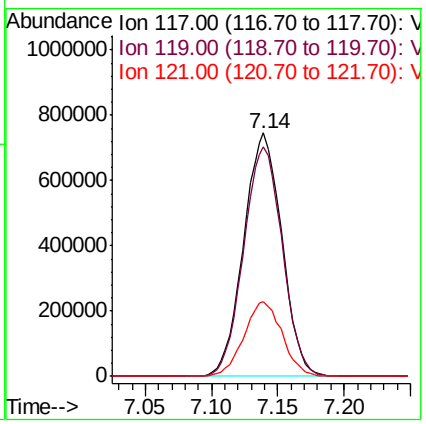


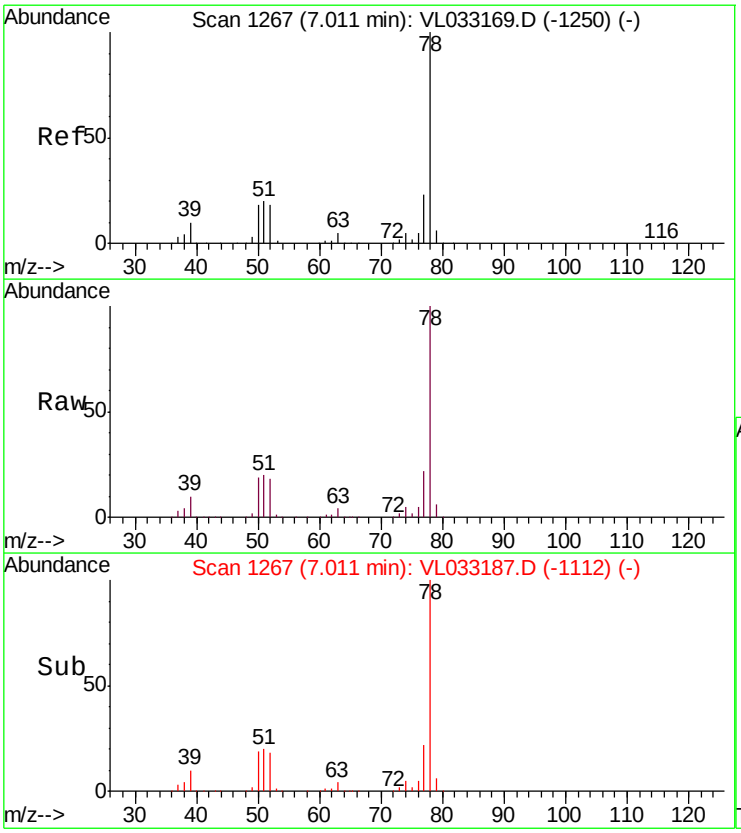
#35
Carbon Tetrachloride
Concen: 9.311 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion:117 Resp: 1494607

Ion	Ratio	Lower	Upper
117	100		
119	94.3	73.0	109.6
121	30.7	25.1	37.7

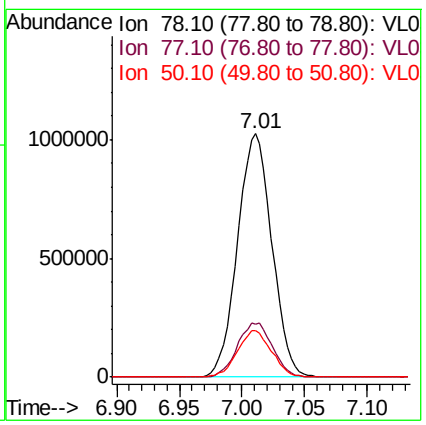


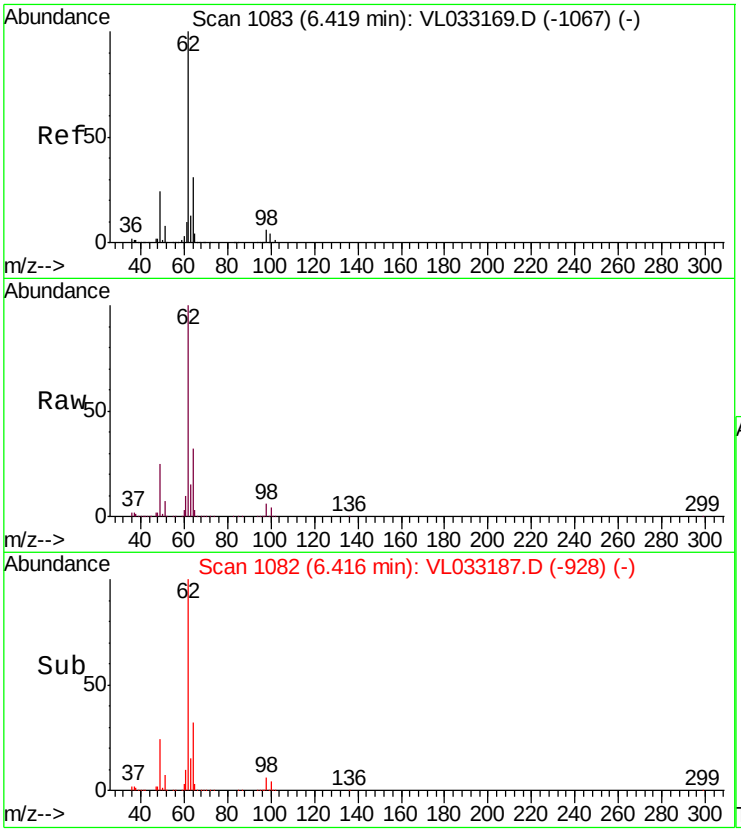


#36
Benzene
Concen: 9.165 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 78 Resp: 1952252

Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.0	27.0
50	19.0	14.2	21.2



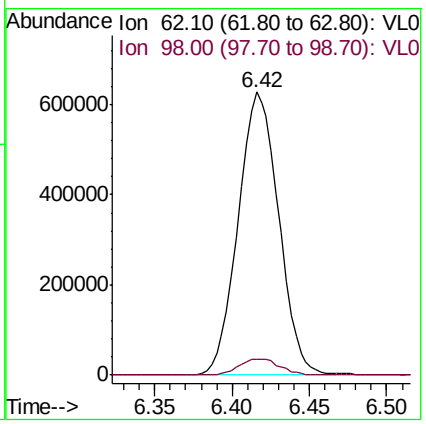


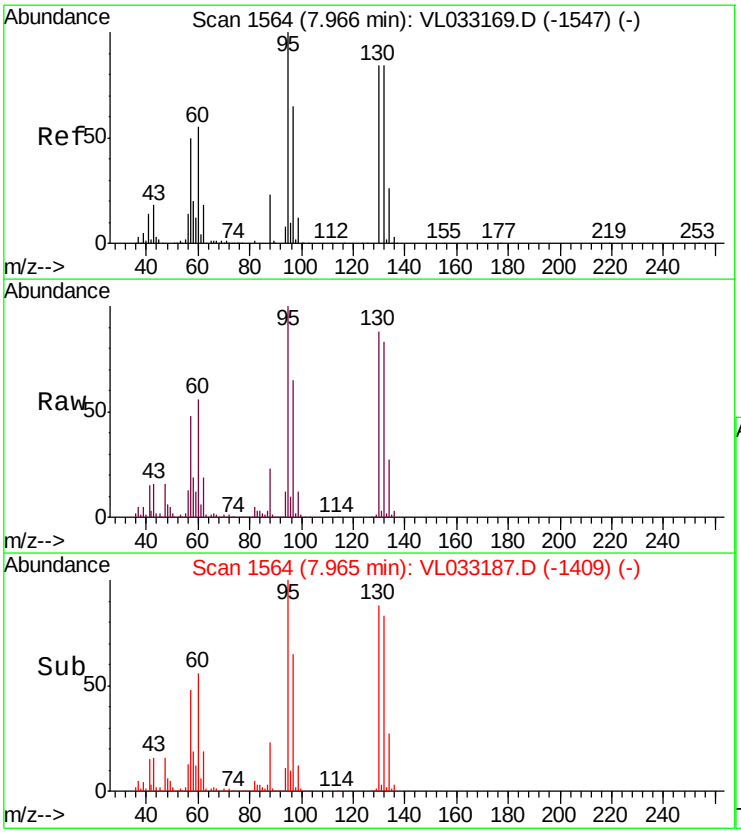
#37
1,2-Dichloroethane
Concen: 9.690 ppbv
RT: 6.42 min Scan# 1082
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion: 62 Resp: 1143871

Ion	Ratio	Lower	Upper
62	100		
98	5.9	4.7	7.1

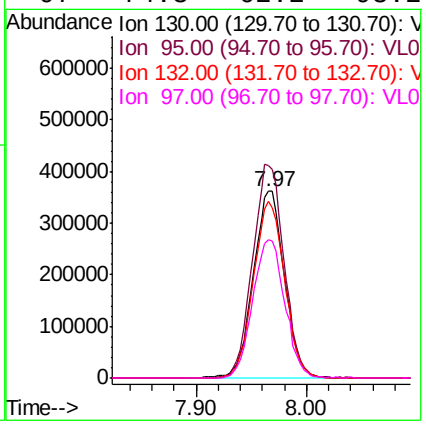


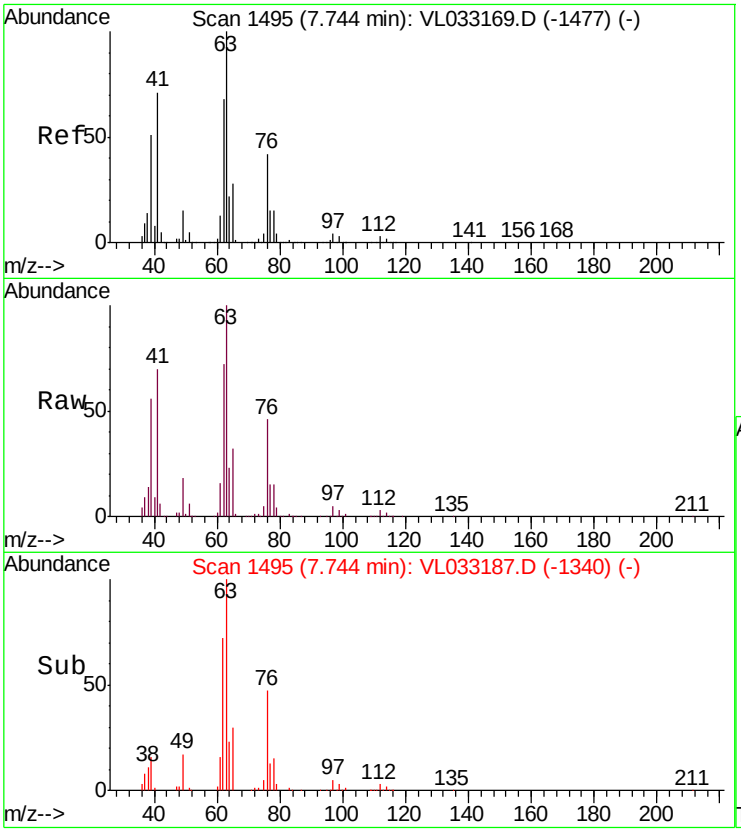


#38
Trichloroethene
Concen: 7.791 ppbv
RT: 7.97 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion:130 Resp: 710714

Ion	Ratio	Lower	Upper
130	100		
95	114.0	95.5	143.3
132	94.3	80.0	120.0
97	74.3	62.2	93.2



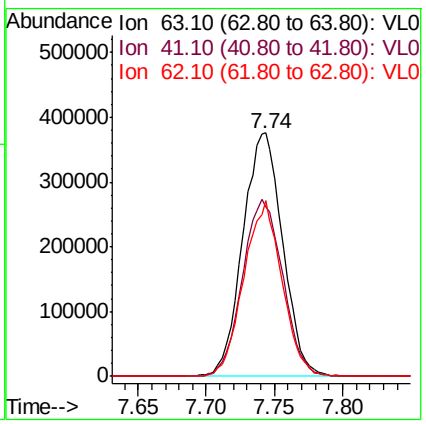


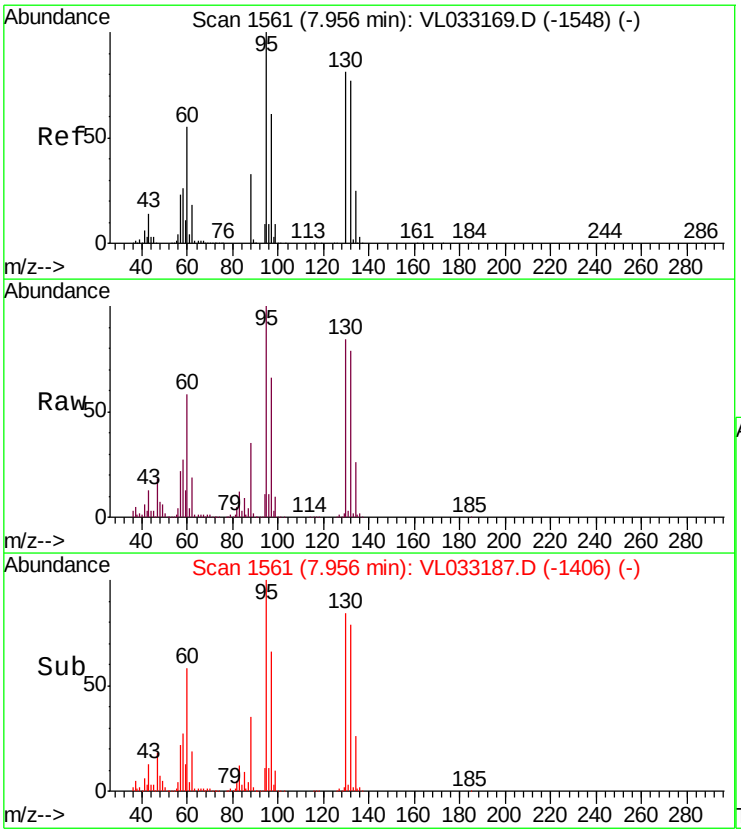
#39
1,2-Dichloropropane
Concen: 9.064 ppbv
RT: 7.74 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion: 63 Resp: 762522

Ion	Ratio	Lower	Upper
63	100		
41	69.8	56.4	84.6
62	71.9	54.2	81.4

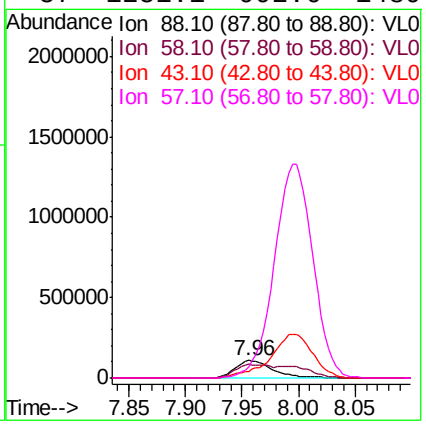


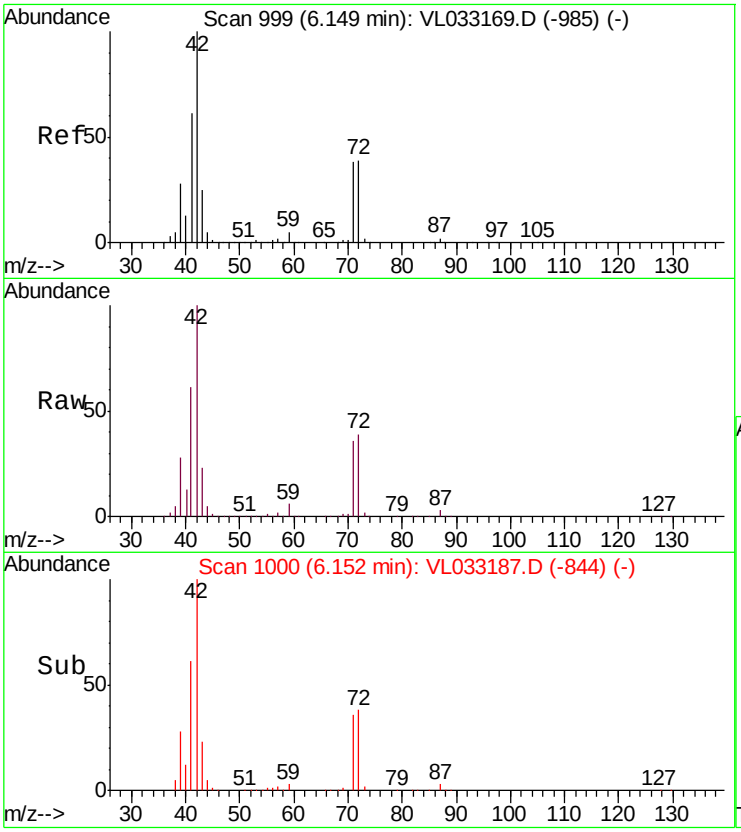


#40
1,4-Dioxane
Concen: 8.249 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 88 Resp: 252201

Ion	Ratio	Lower	Upper
88	100		
58	133.4	106.6	160.0
43	279.2	220.2	330.2
57	1251.1	992.6	1489.0



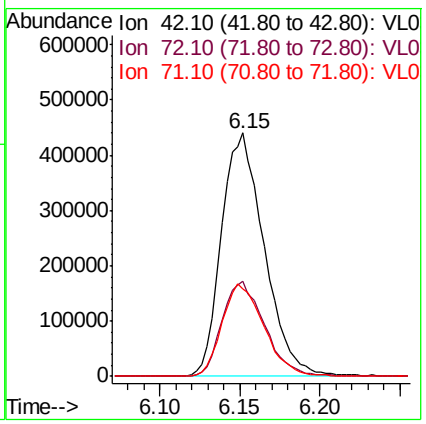


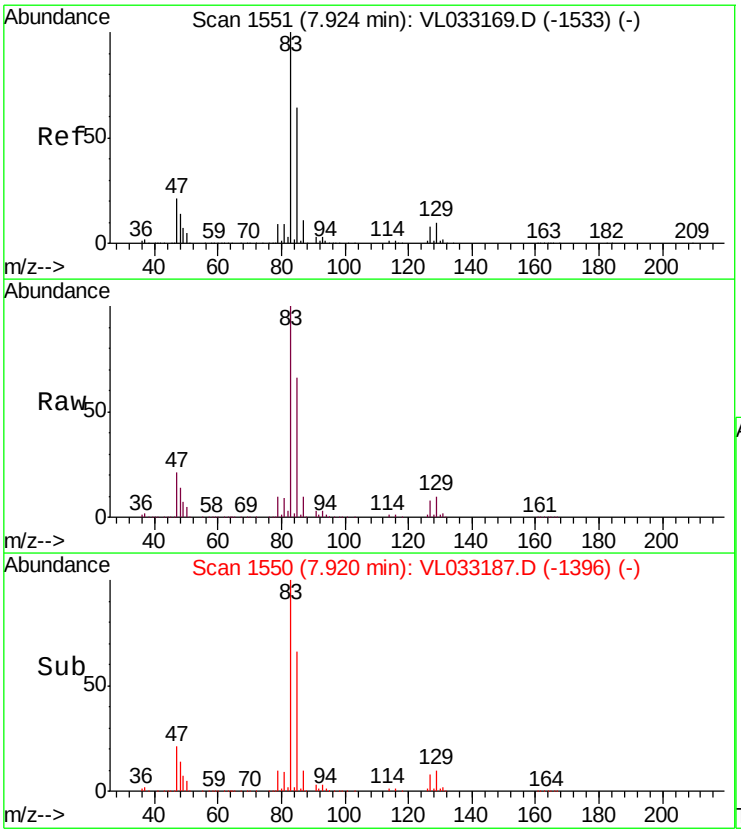
#41
Tetrahydrofuran
Concen: 9.673 ppbv
RT: 6.15 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion: 42 Resp: 798208

Ion	Ratio	Lower	Upper
42	100		
72	39.3	31.6	47.4
71	37.8	30.3	45.5

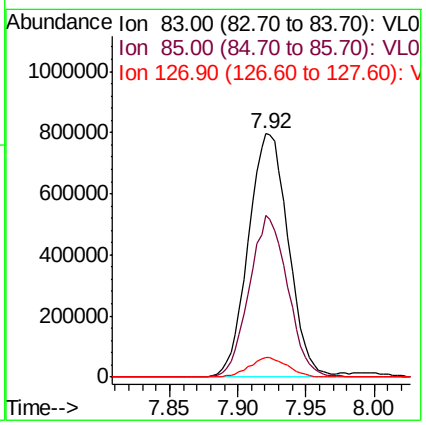


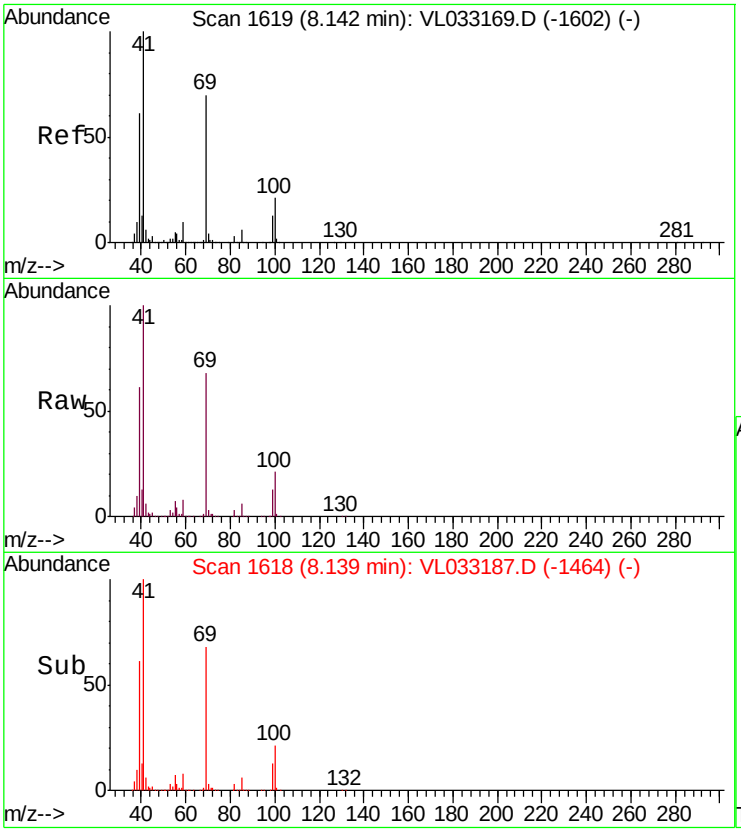


#42
Bromodichloromethane
Concen: 9.481 ppbv
RT: 7.92 min Scan# 1550
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 83 Resp: 1621845

Ion	Ratio	Lower	Upper
83	100		
85	66.4	51.1	76.7
127	8.2	6.4	9.6



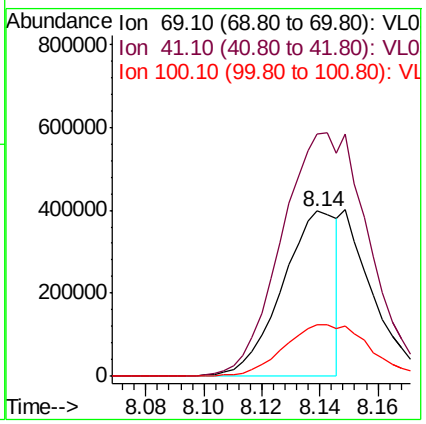


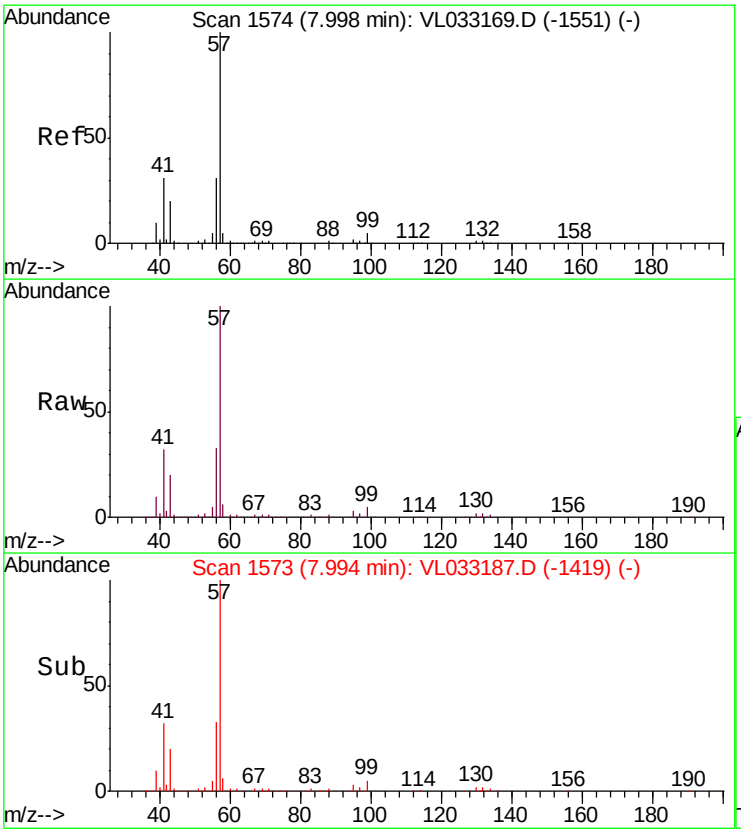
#43
Methyl Methacrylate
Concen: 6.097 ppbv
RT: 8.14 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion: 69 Resp: 521406

Ion	Ratio	Lower	Upper
69	100		
41	234.7	117.1	175.7#
100	48.9	25.0	37.6#

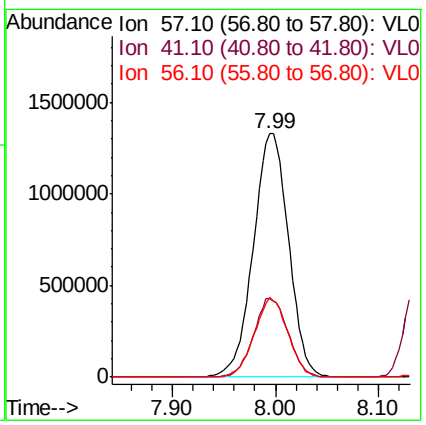


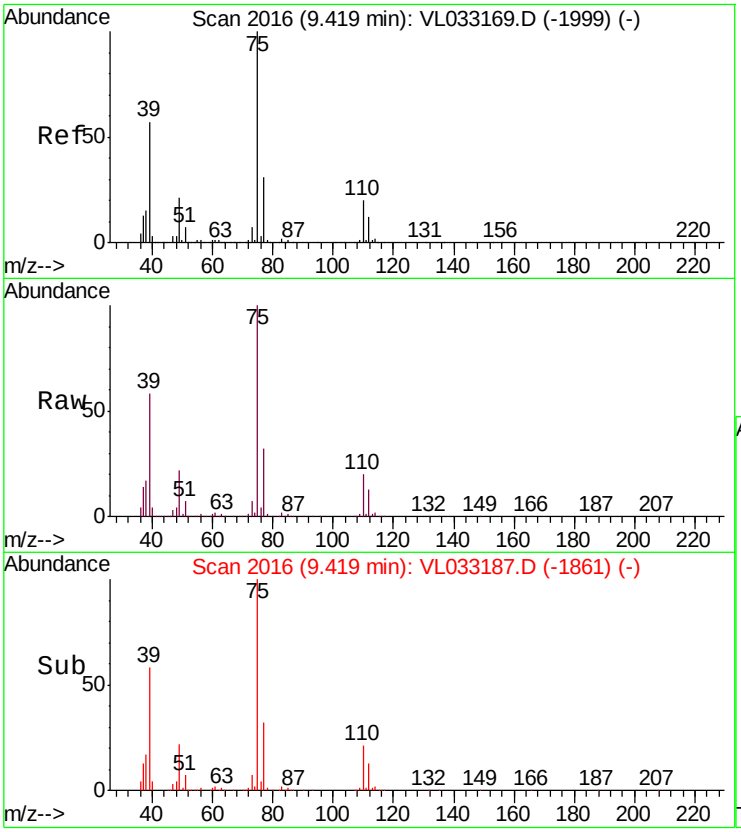


#44
2,2,4-Trimethylpentane
Concen: 8.730 ppbv
RT: 7.99 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 57 Resp: 3151134

Ion	Ratio	Lower	Upper
57	100		
41	31.7	25.1	37.7
56	30.9	24.5	36.7



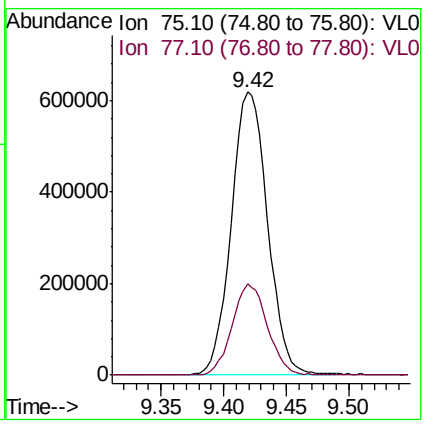


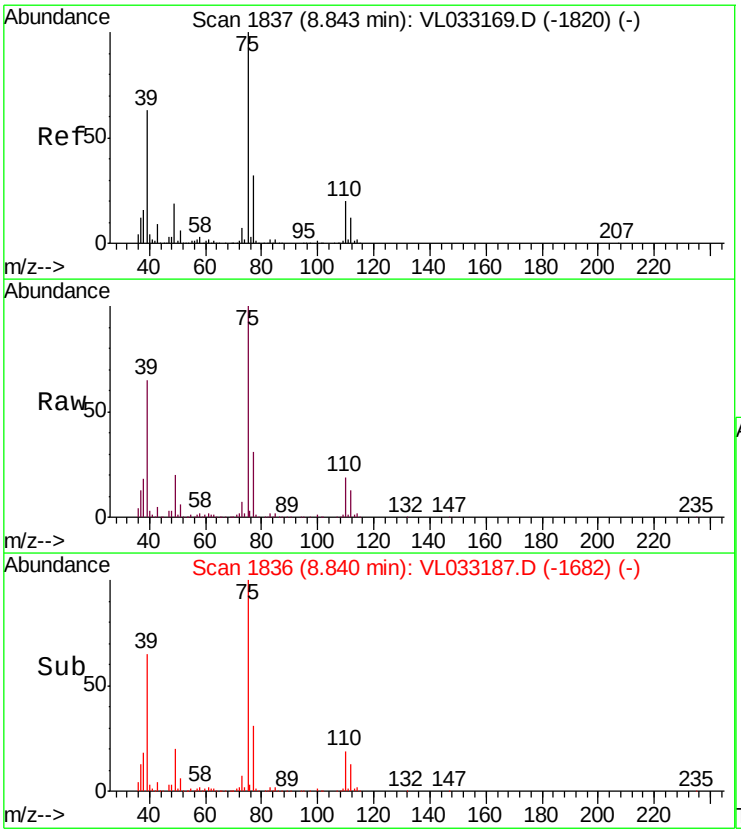
#45
t-1,3-Dichloropropene
Concen: 13.098 ppbv
RT: 9.42 min Scan# 2016
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion: 75 Resp: 1244395

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.0	37.4

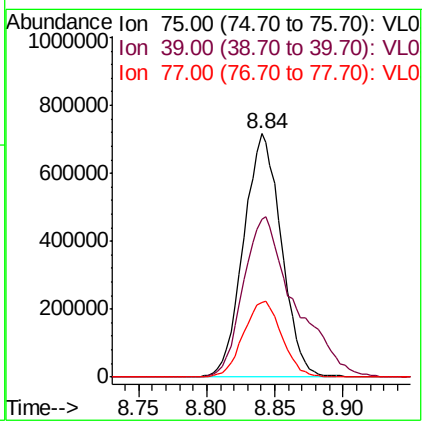


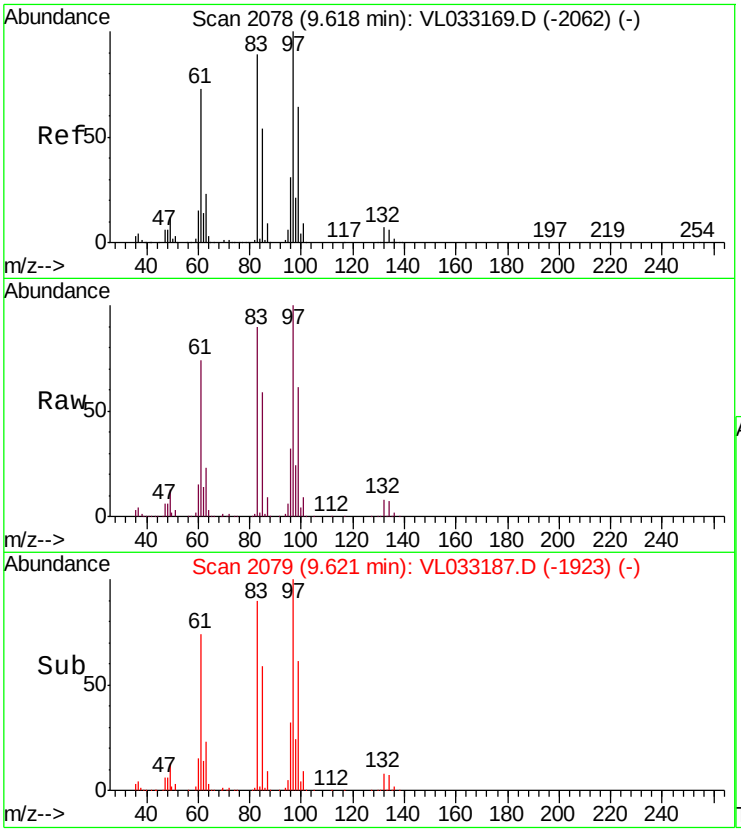


#46
cis-1,3-Dichloropropene
Concen: 11.373 ppbv
RT: 8.84 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 75 Resp: 1376294

Ion	Ratio	Lower	Upper
75	100		
39	64.6	50.1	75.1
77	30.6	25.4	38.2



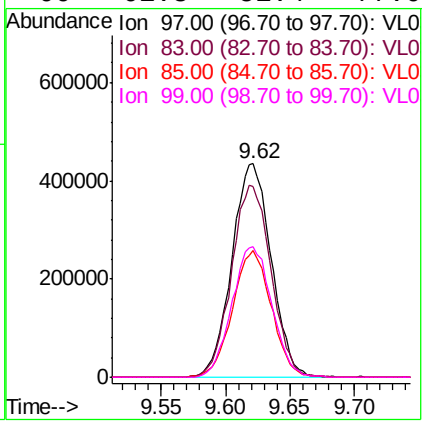


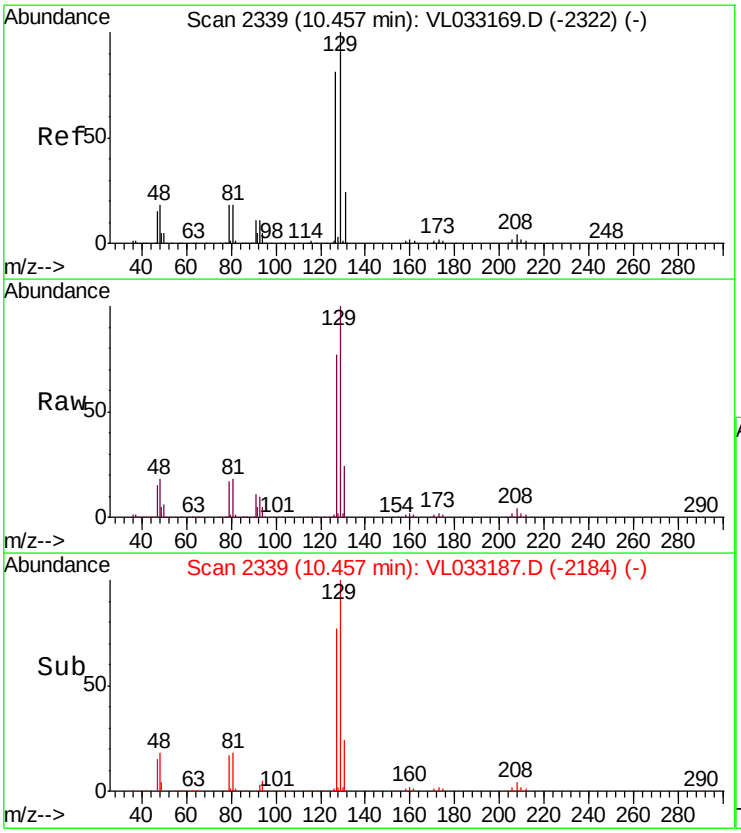
#47
1,1,2-Trichloroethane
Concen: 10.543 ppbv
RT: 9.62 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion: 97 Resp: 920389

Ion	Ratio	Lower	Upper
97	100		
83	89.5	71.4	107.2
85	59.1	43.5	65.3
99	61.3	51.4	77.0

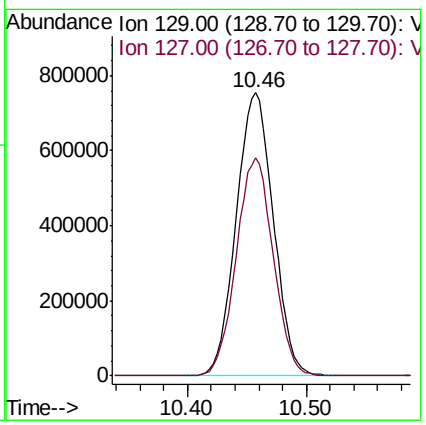


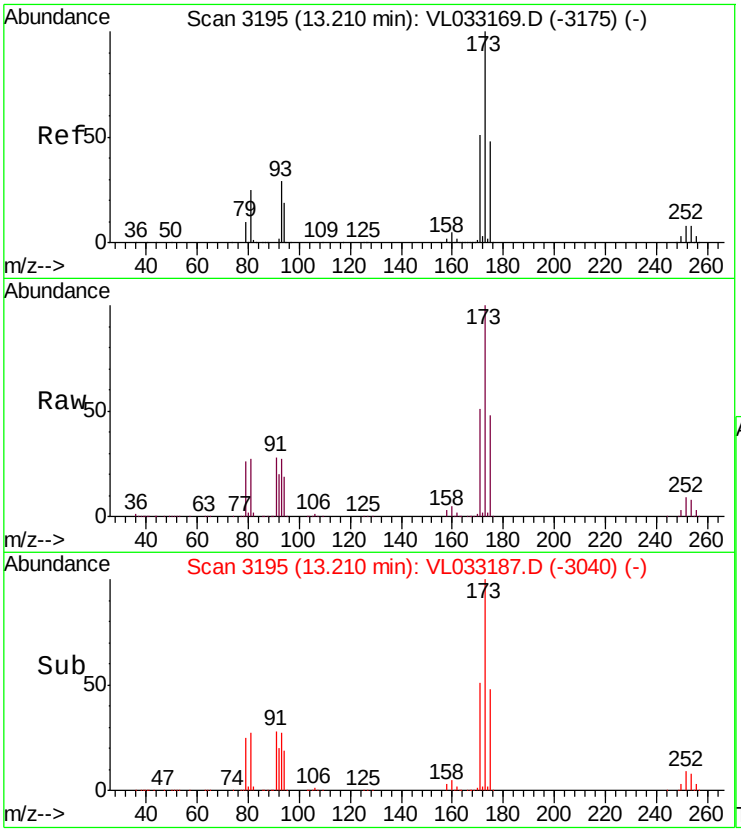


#48
Dibromochloromethane
Concen: 11.869 ppbv
RT: 10.46 min Scan# 2339
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion:129 Resp: 1631296

Ion	Ratio	Lower	Upper
129	100		
127	76.7	39.1	117.3



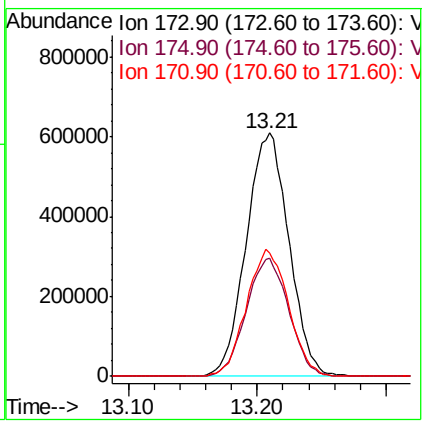


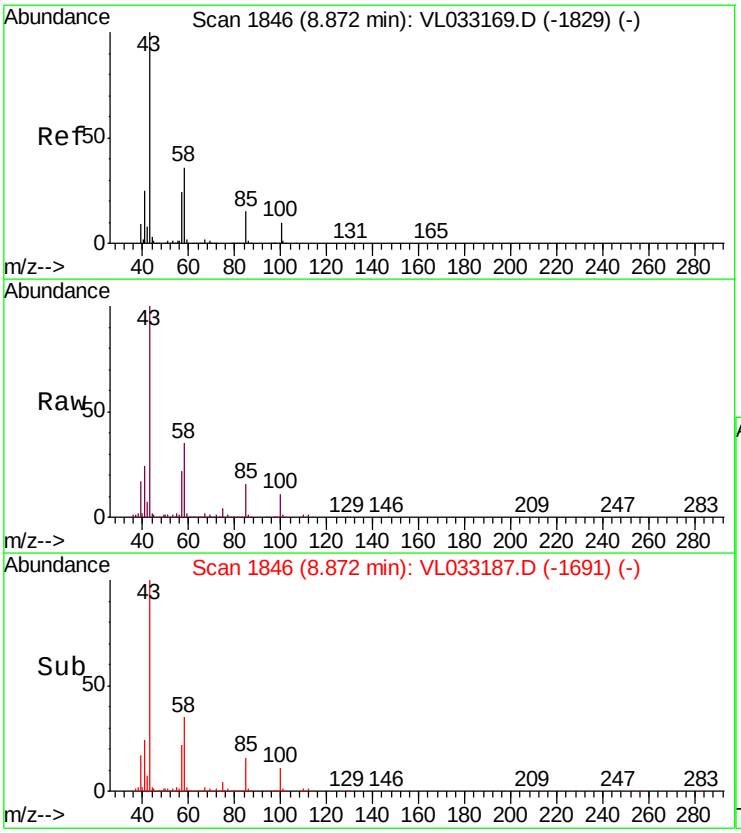
#49
Bromoform
Concen: 11.864 ppbv
RT: 13.21 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion:173 Resp: 1402845

Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.6	58.0
171	51.6	41.6	62.4

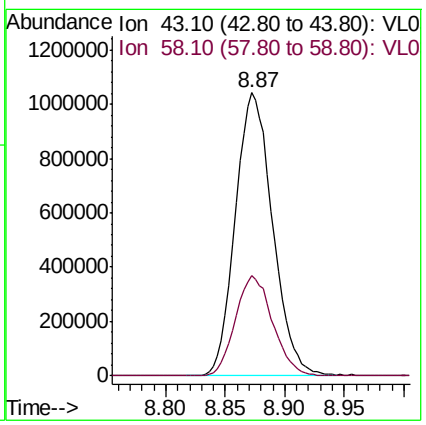


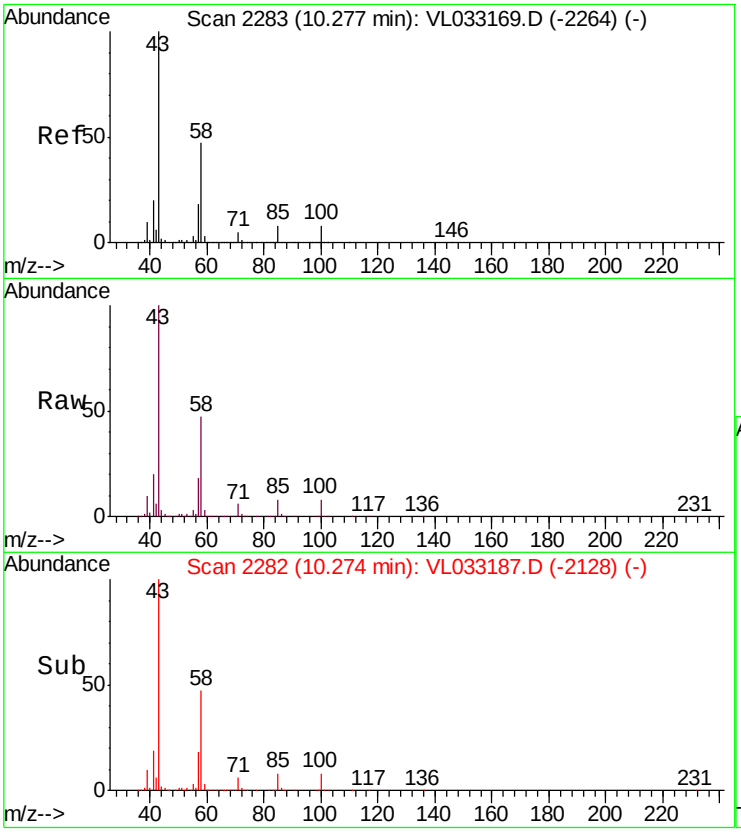


#50
4-Methyl-2-Pentanone
Concen: 10.569 ppbv
RT: 8.87 min Scan# 1846
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 43 Resp: 2259460

Ion	Ratio	Lower	Upper
43	100		
58	35.7	29.0	43.6



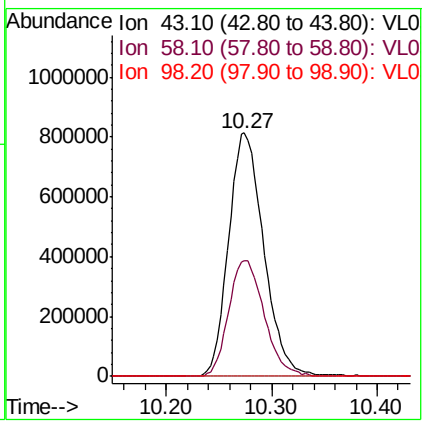


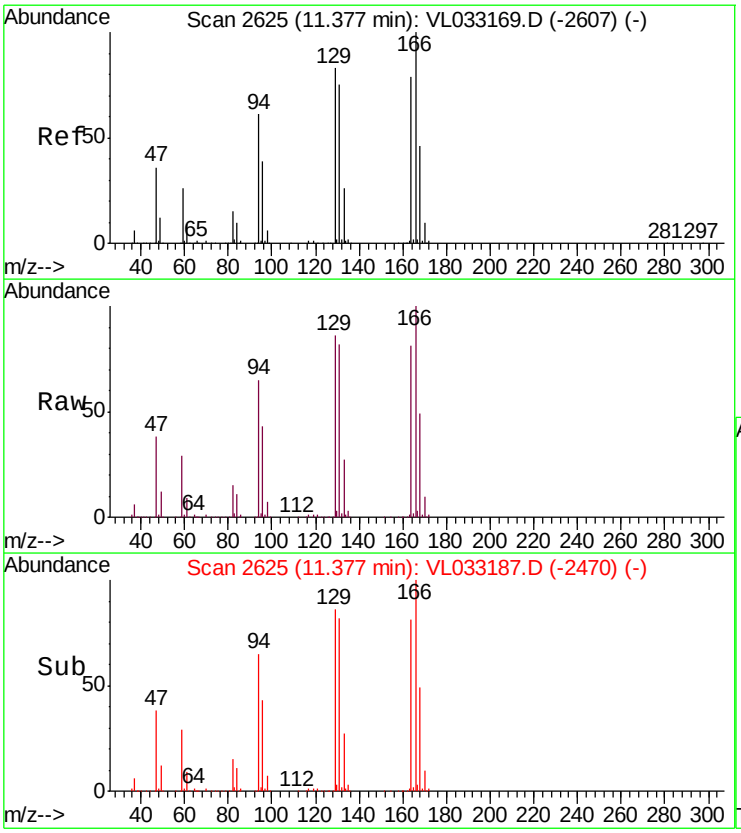
#51
2-Hexanone
Concen: 11.159 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion: 43 Resp: 1880823

Ion	Ratio	Lower	Upper
43	100		
58	48.2	39.1	58.7
98	0.1	0.2	0.2#

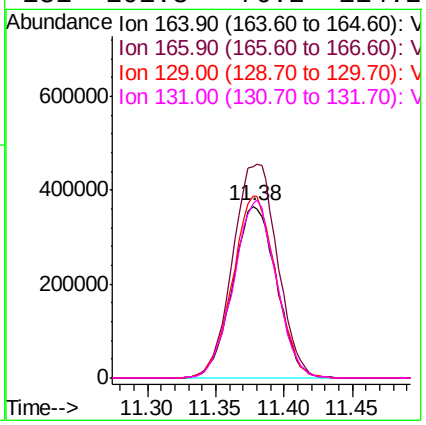


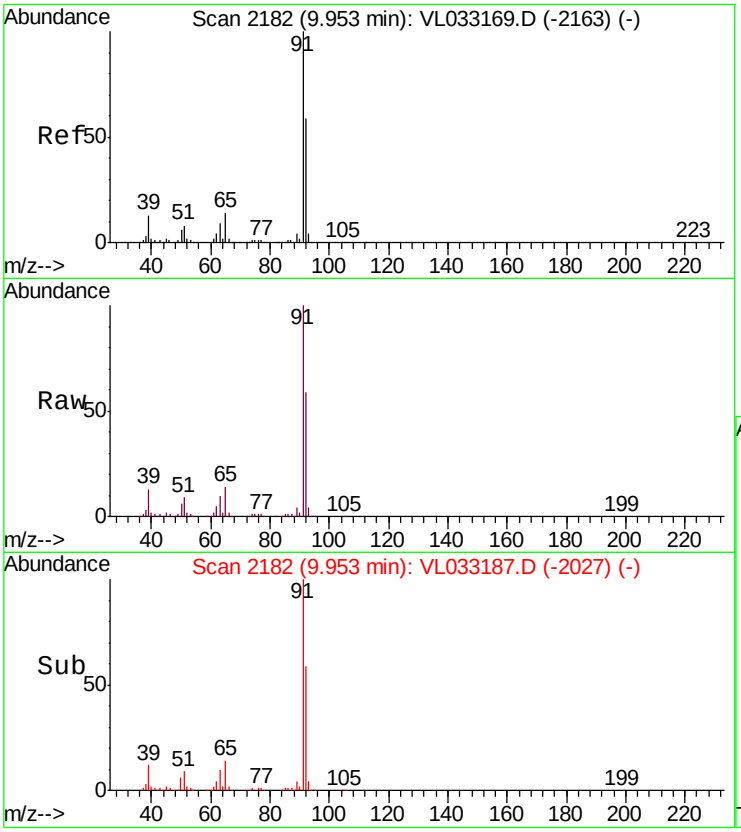


#52
Tetrachloroethene
Concen: 9.897 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion:164 Resp: 809906

Ion	Ratio	Lower	Upper
164	100		
166	123.2	100.9	151.3
129	106.0	83.9	125.9
131	101.3	76.2	114.2



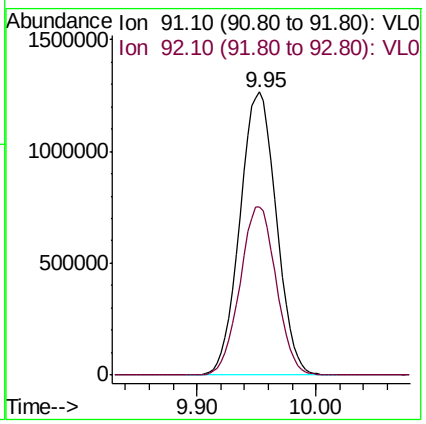


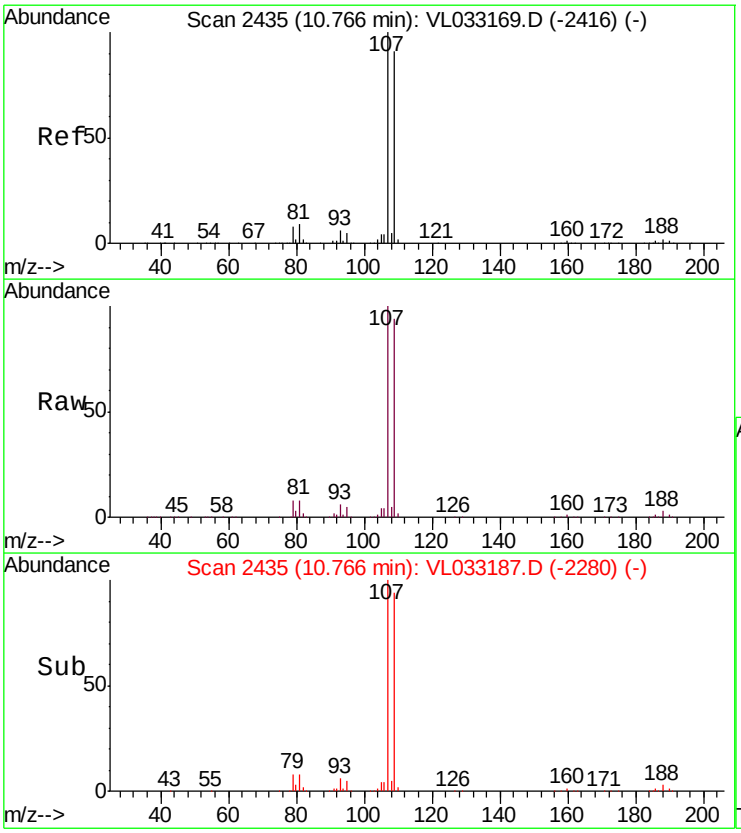
#53
Toluene
Concen: 10.638 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion: 91 Resp: 2683100

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.0	72.0

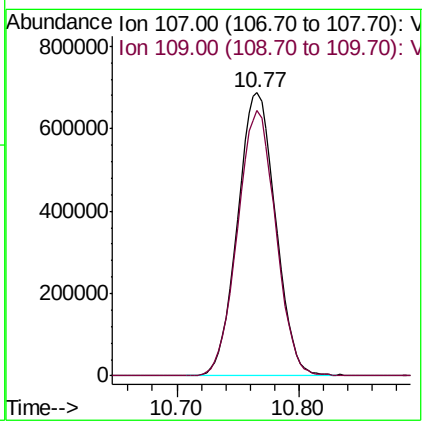


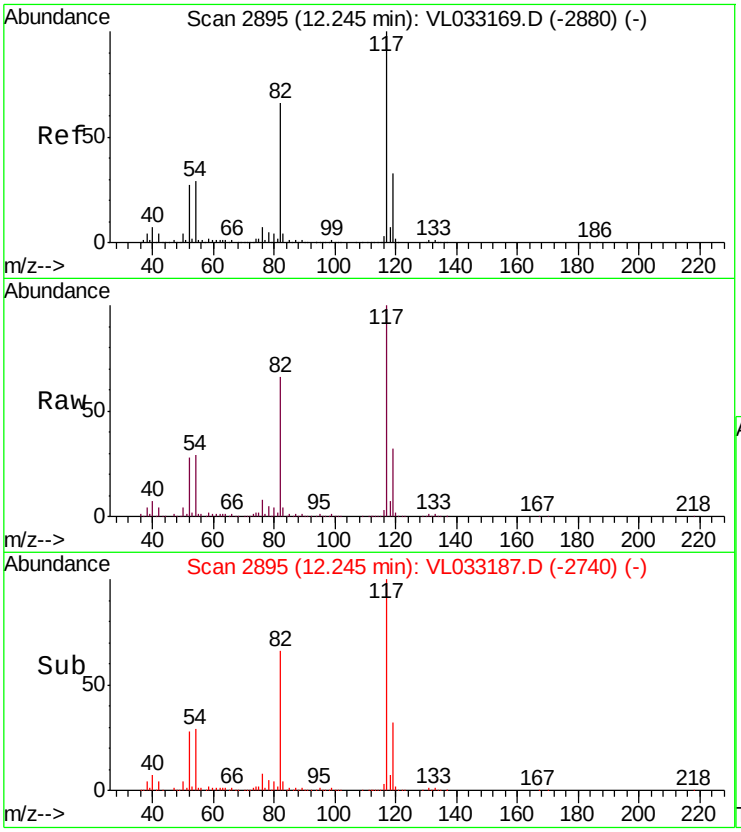


#54
1,2-Dibromoethane
Concen: 10.806 ppbv
RT: 10.77 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion:107 Resp: 1479366

Ion	Ratio	Lower	Upper
107	100		
109	93.6	73.2	109.8



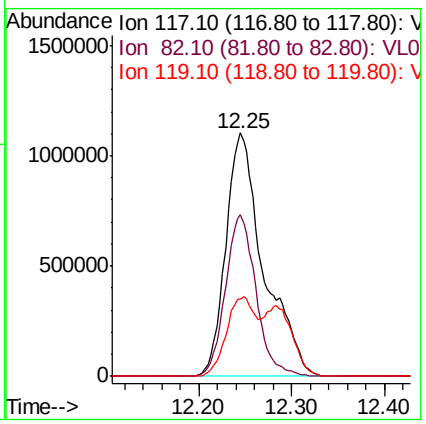


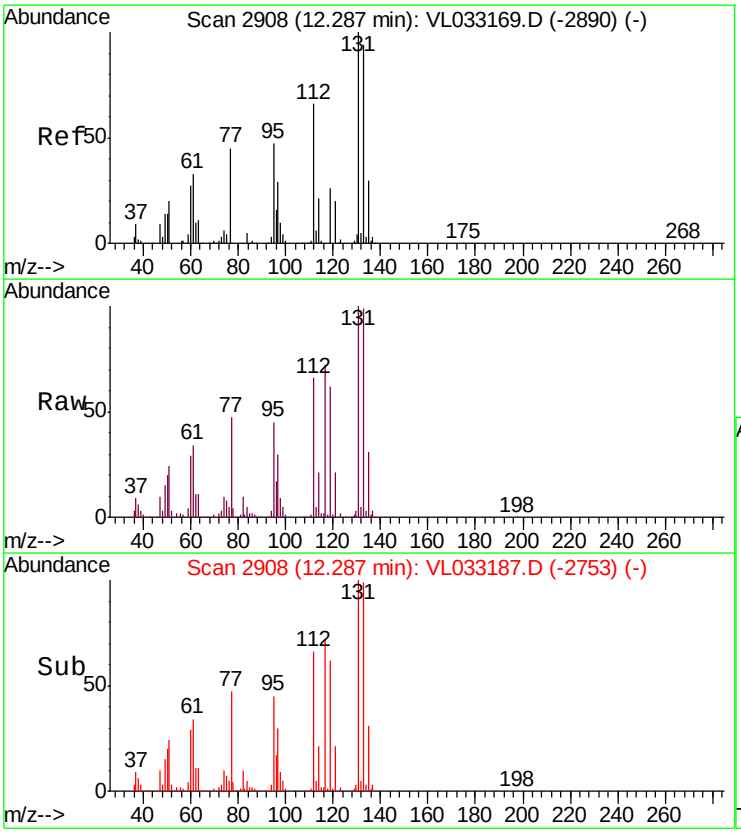
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion:117 Resp: 3135120

Ion	Ratio	Lower	Upper
117	100		
82	53.6	49.5	74.3
119	28.0	24.4	36.6

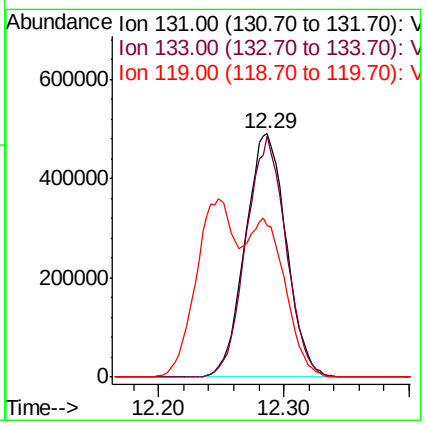


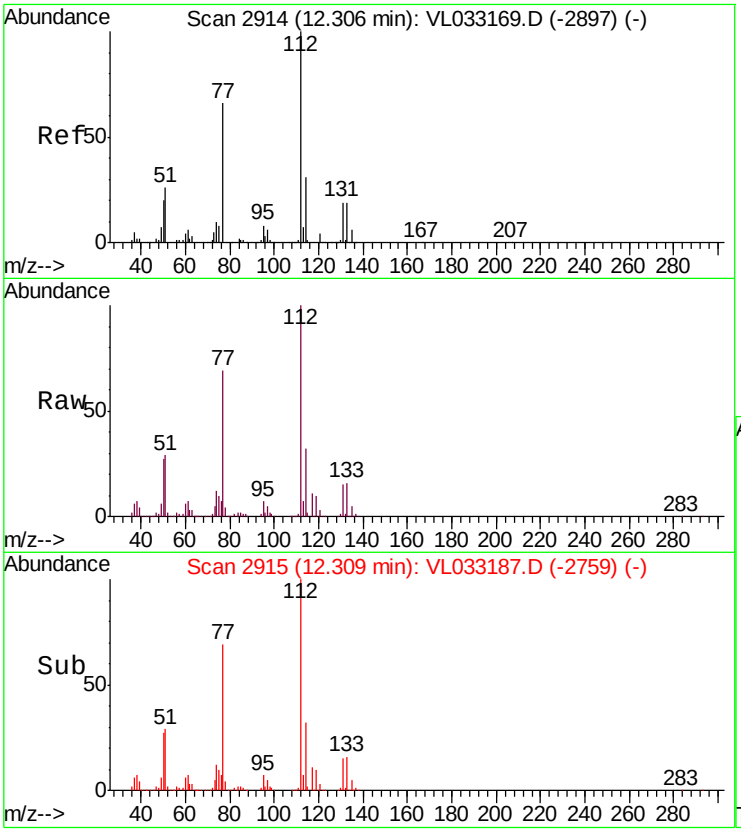


#56
1,1,1,2-Tetrachloroethane
Concen: 7.736 ppbv
RT: 12.29 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion:131 Resp: 1113224

Ion	Ratio	Lower	Upper
131	100		
133	96.0	75.8	113.6
119	53.7	110.9	166.3#



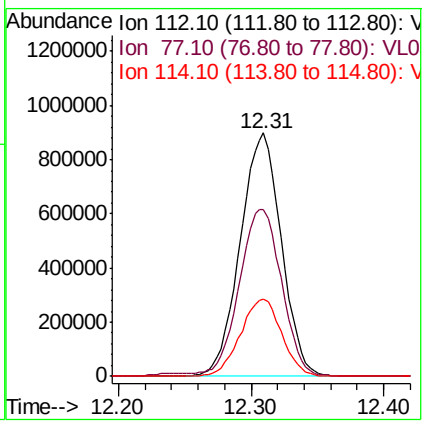


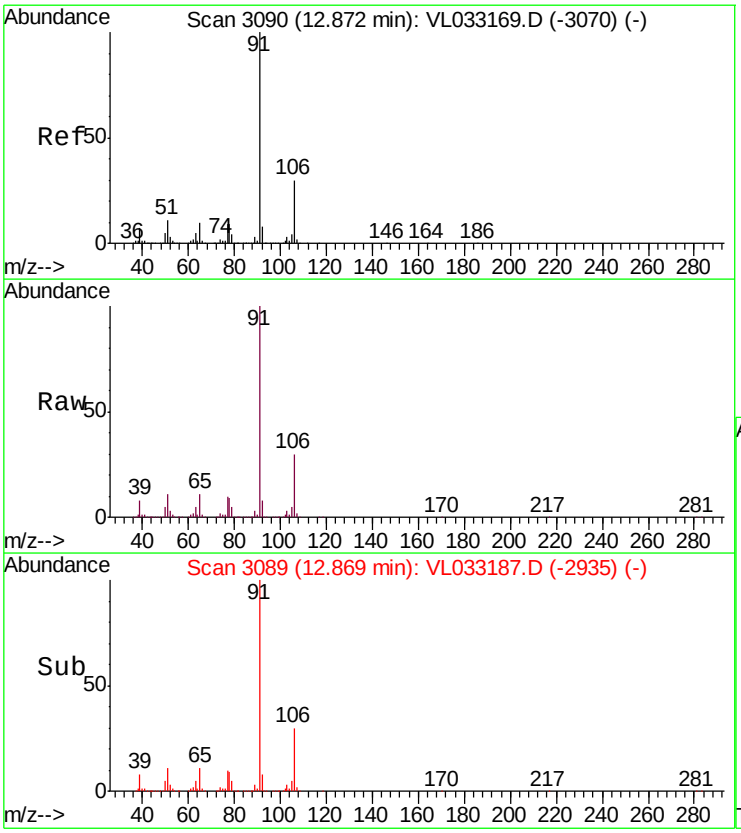
#57
Chlorobenzene
Concen: 7.053 ppbv
RT: 12.31 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion:112 Resp: 1930416

Ion	Ratio	Lower	Upper
112	100		
77	68.5	54.0	81.0
114	31.5	27.9	34.1

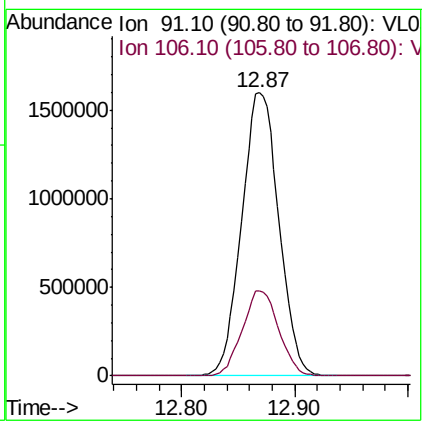


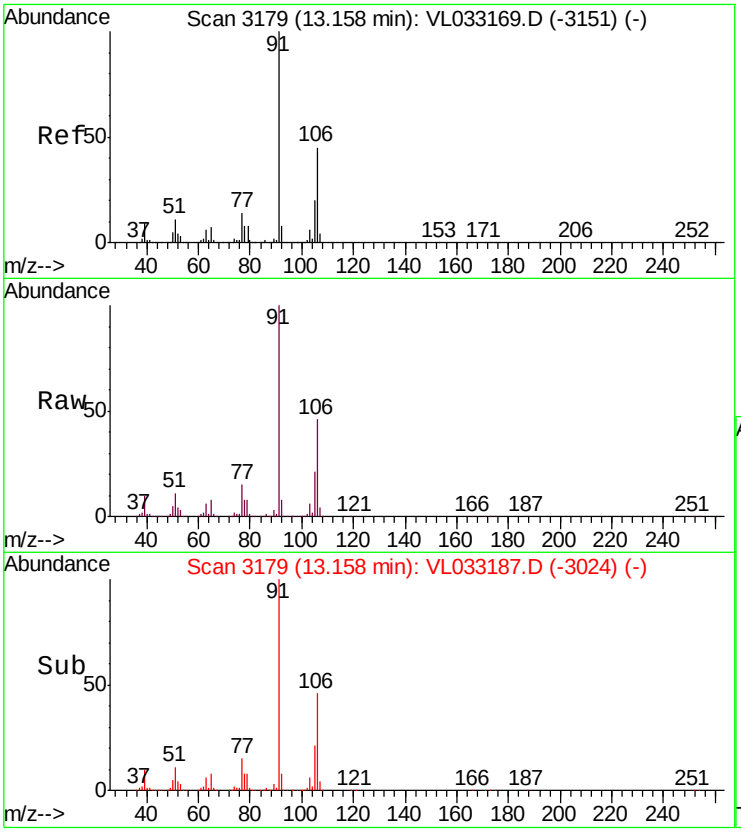


#58
Ethyl Benzene
Concen: 7.196 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 91 Resp: 3651112

Ion	Ratio	Lower	Upper
91	100		
106	30.1	23.8	35.8



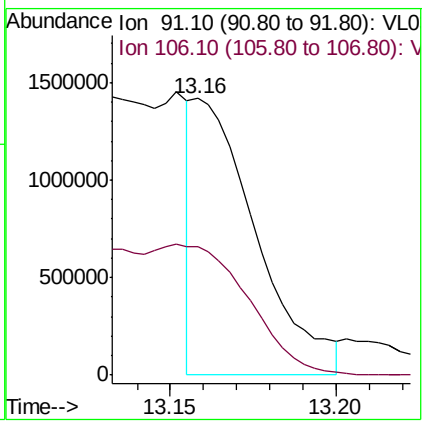


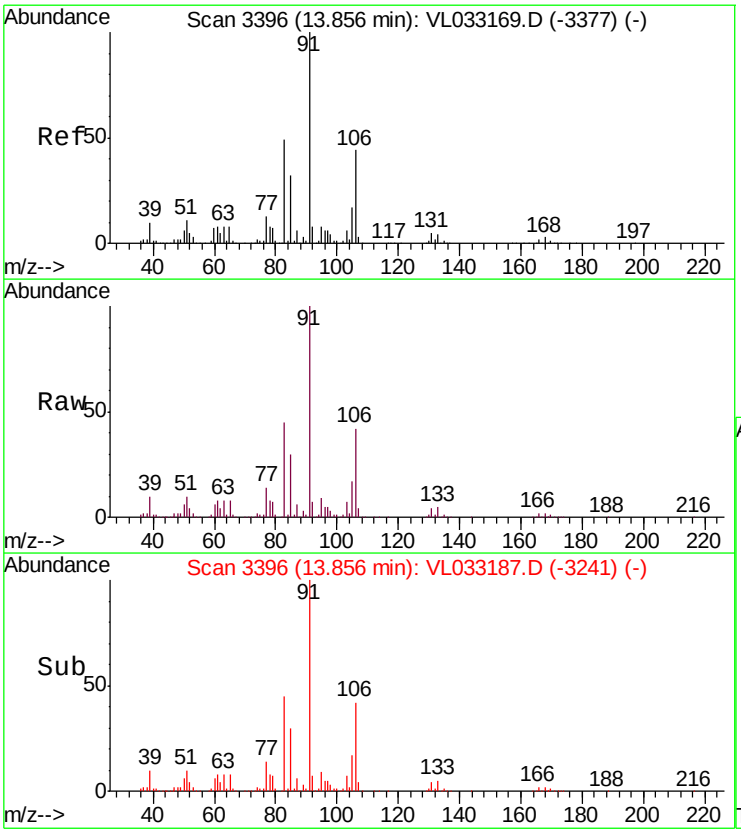
#59
m/p-Xylene
Concen: 4.363 ppbv
RT: 13.16 min Scan# 3179
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion: 91 Resp: 1847459

Ion	Ratio	Lower	Upper
91	100		
106	0.0	0.0	0.0

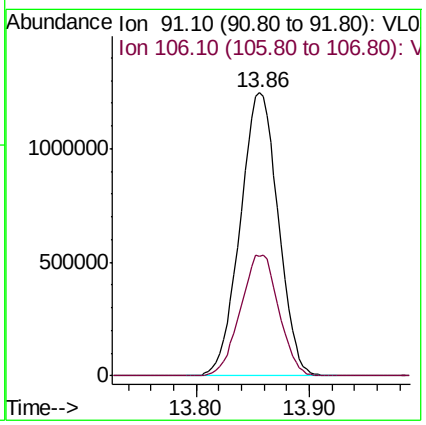


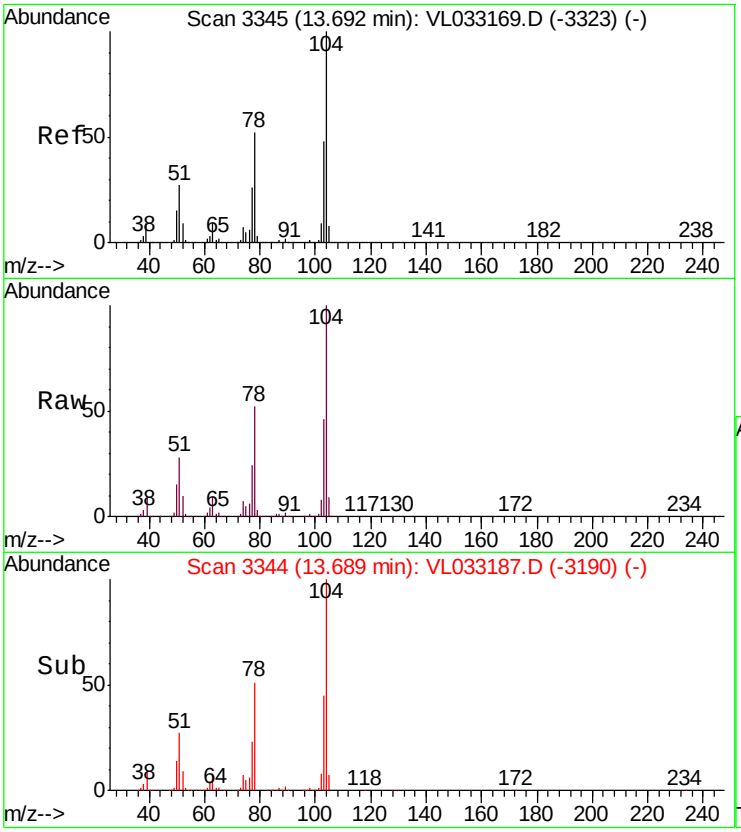


#60
o-Xylene
Concen: 7.060 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 91 Resp: 2907126

Ion	Ratio	Lower	Upper
91	100		
106	43.1	21.8	65.3



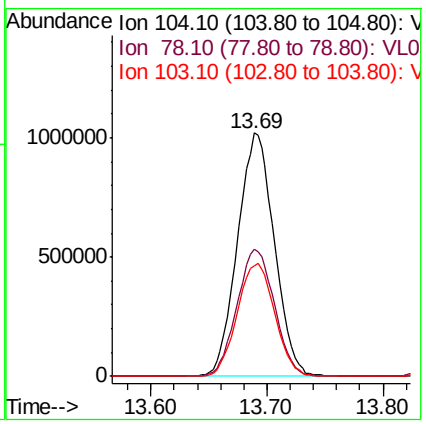


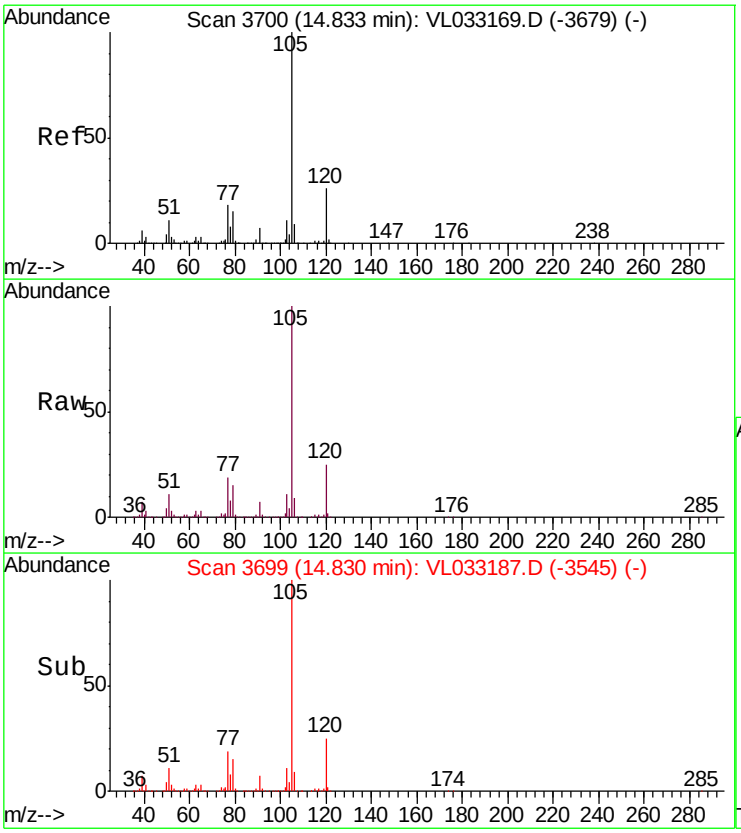
#61
Styrene
Concen: 7.238 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion:104 Resp: 2248261

Ion	Ratio	Lower	Upper
104	100		
78	53.2	41.9	62.9
103	47.5	37.9	56.9

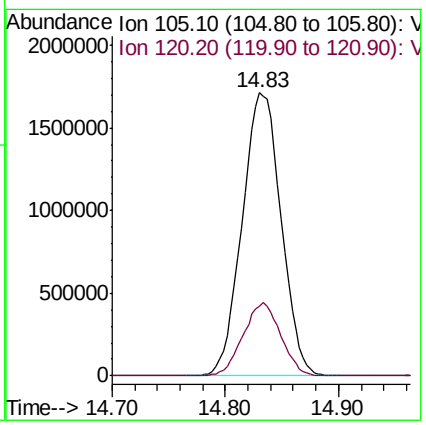


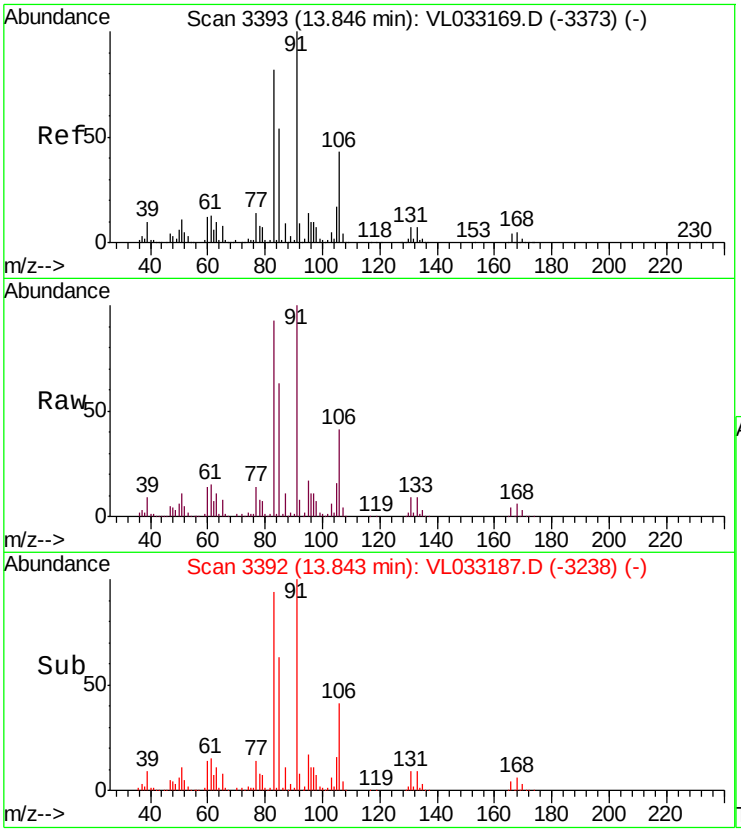


#62
Isopropylbenzene
Concen: 7.056 ppbv
RT: 14.83 min Scan# 3699
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion:105 Resp: 4098248

Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.3	30.5



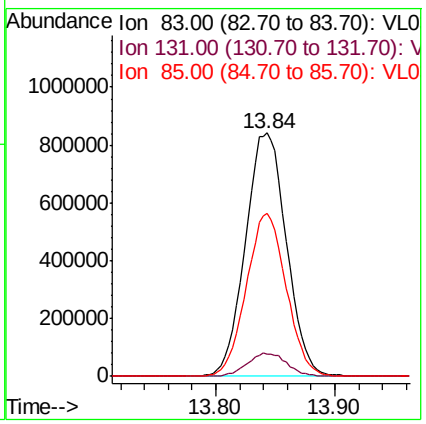


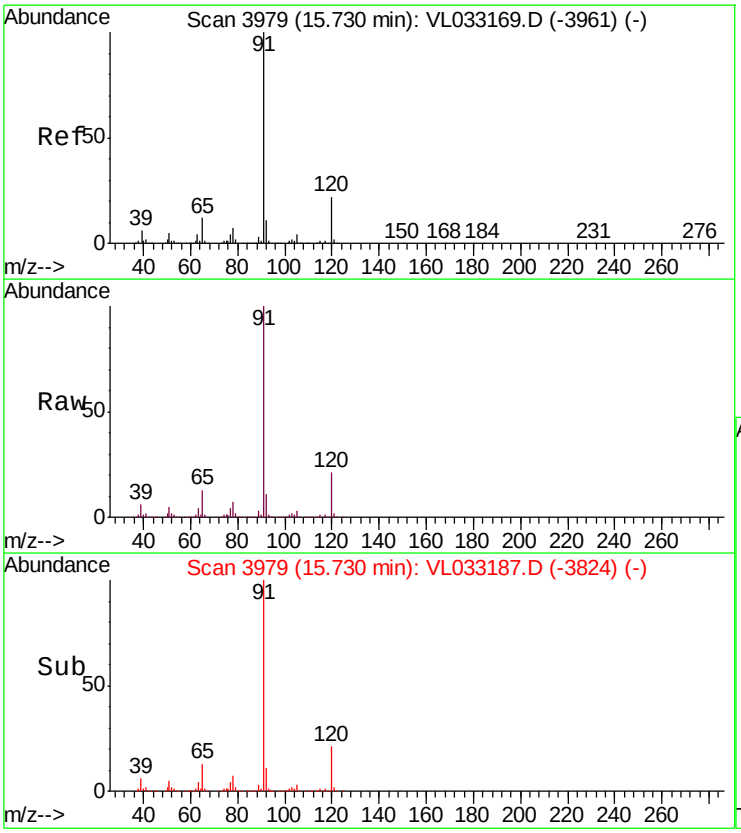
#63
1,1,2,2-Tetrachloroethane
Concen: 6.199 ppbv
RT: 13.84 min Scan# 3392
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion: 83 Resp: 2005230

Ion	Ratio	Lower	Upper
83	100		
131	9.4	4.8	14.3
85	65.3	32.8	98.3

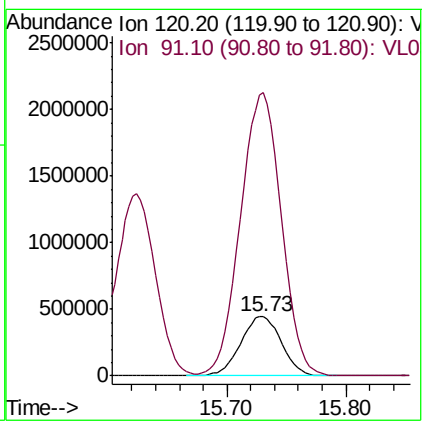


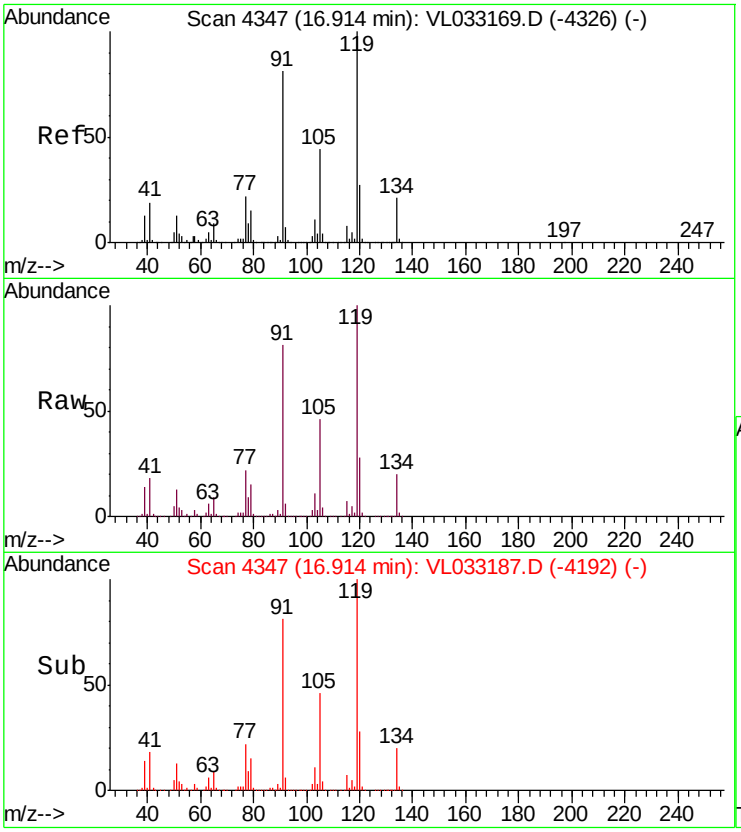


#64
n-propylbenzene
Concen: 7.131 ppbv
RT: 15.73 min Scan# 3979
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion:120 Resp: 1052688

Ion	Ratio	Lower	Upper
120	100		
91	481.5	383.9	575.9



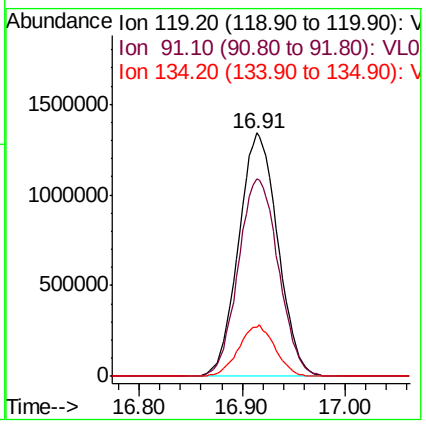


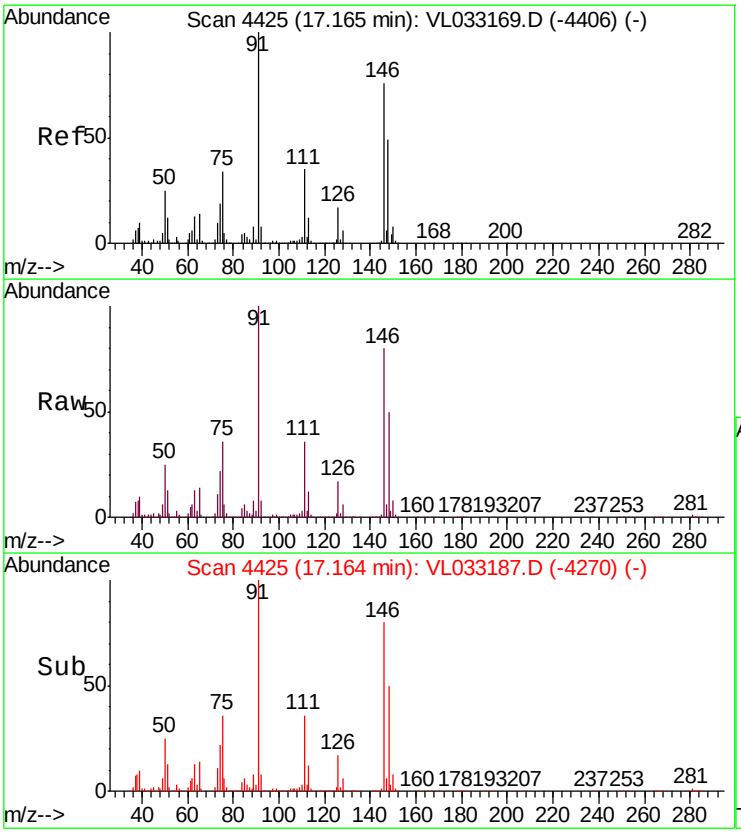
#65
tert-Butylbenzene
Concen: 6.991 ppbv
RT: 16.91 min Scan# 4347
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion:119 Resp: 3536137

Ion	Ratio	Lower	Upper
119	100		
91	83.3	65.7	98.5
134	19.4	15.8	23.6

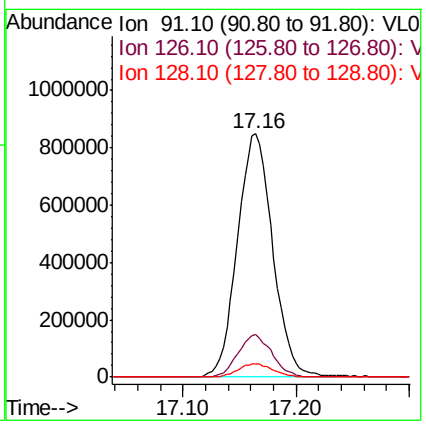


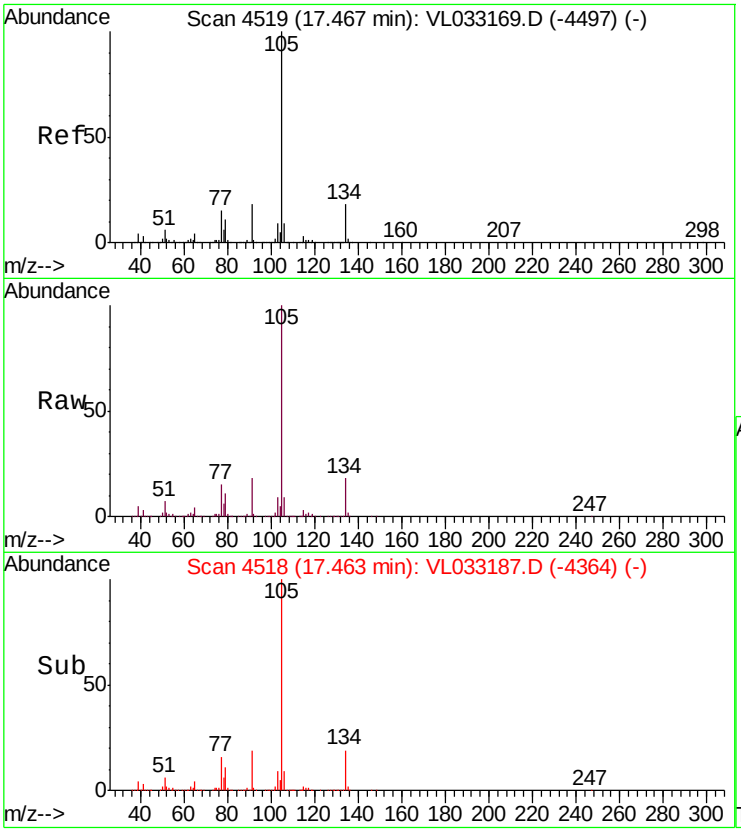


#66
Benzyl Chloride
Concen: 10.258 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 91 Resp: 1842029

Ion	Ratio	Lower	Upper
91	100		
126	16.8	13.8	20.6
128	5.4	4.5	6.7



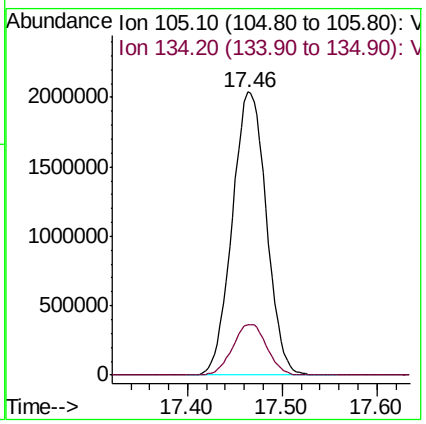


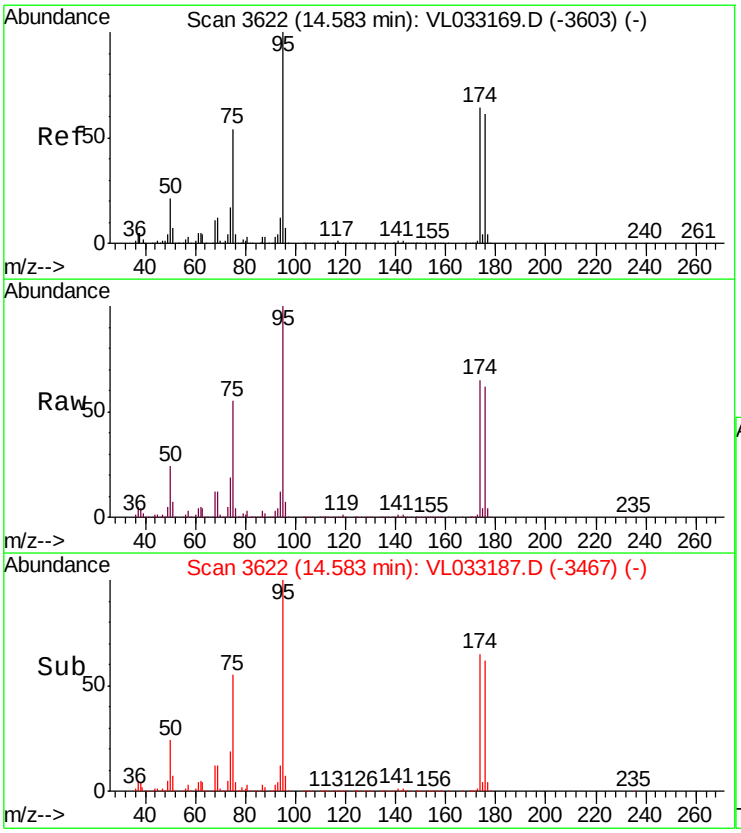
#67
sec-Butylbenzene
Concen: 6.956 ppbv
RT: 17.46 min Scan# 4518
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion:105 Resp: 5107526

Ion	Ratio	Lower	Upper
105	100		
134	18.0	14.6	22.0

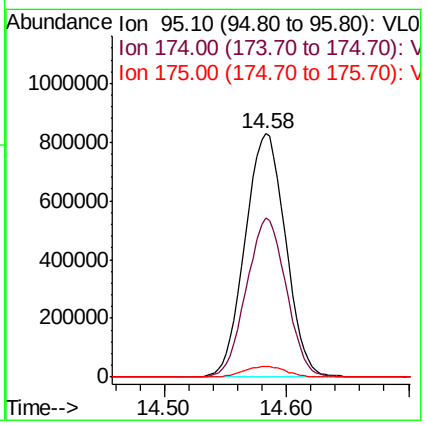


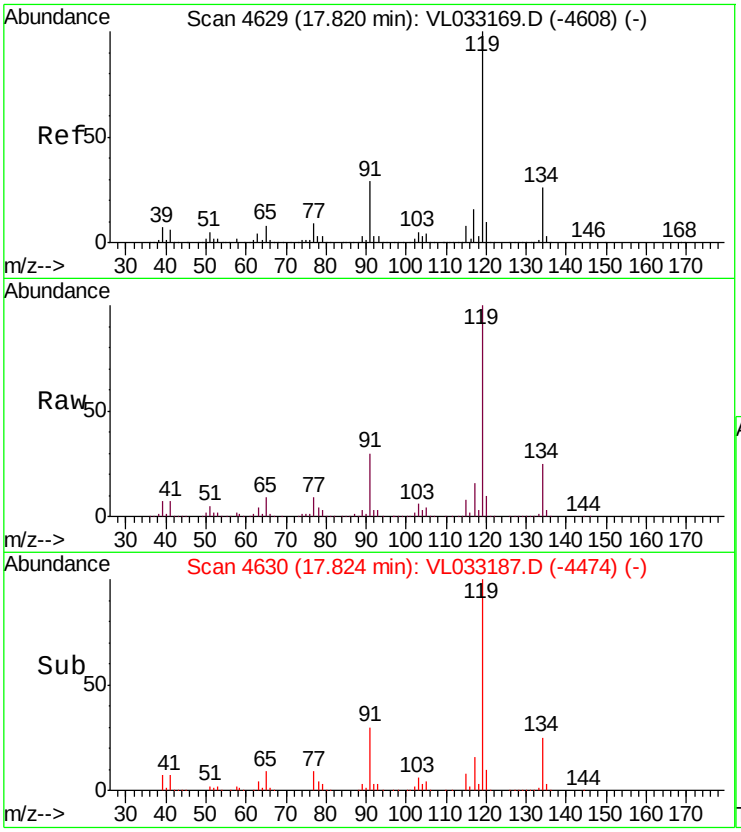


#68
1-Bromo-4-Fluorobenzene
Concen: 7.878 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 95 Resp: 1902188

Ion	Ratio	Lower	Upper
95	100		
174	64.3	51.2	76.8
175	4.6	3.8	5.6



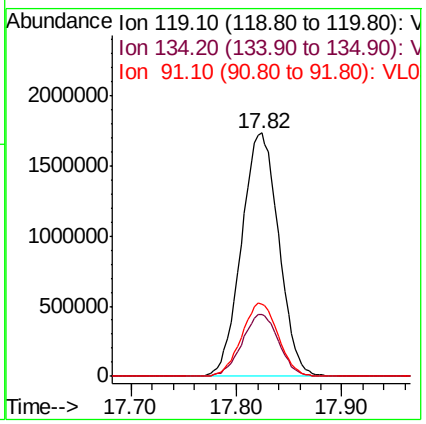


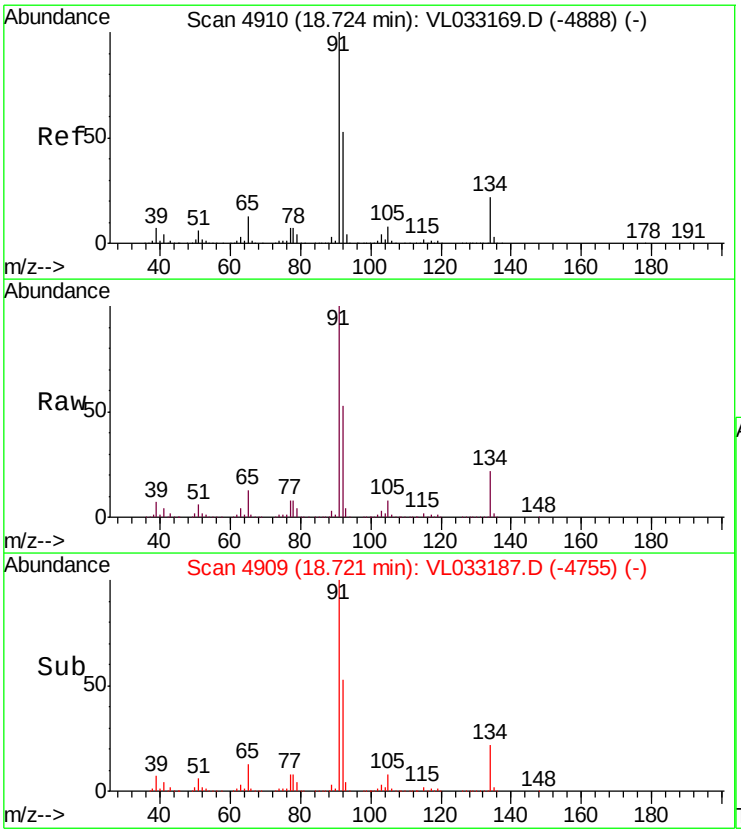
#69
p-Isopropyltoluene
Concen: 6.967 ppbv
RT: 17.82 min Scan# 4630
Delta R.T. 0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion:119 Resp: 4260823

Ion	Ratio	Lower	Upper
119	100		
134	25.0	20.4	30.6
91	29.5	23.4	35.2

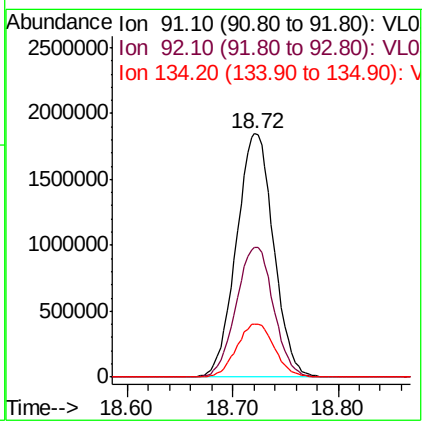


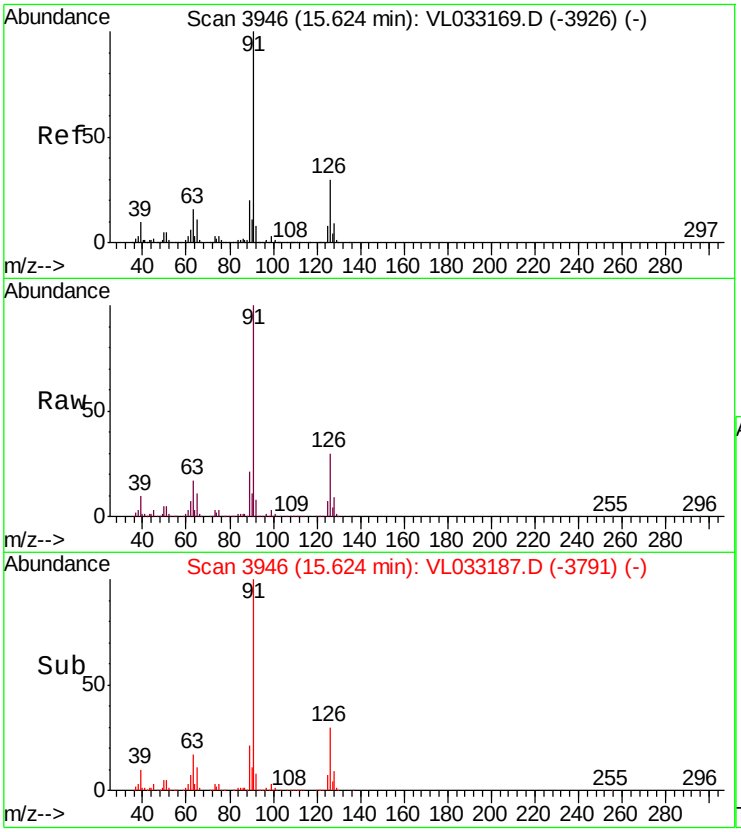


#70
n-Butylbenzene
Concen: 6.846 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion: 91 Resp: 4517539

Ion	Ratio	Lower	Upper
91	100		
92	53.9	43.0	64.4
134	22.1	17.5	26.3



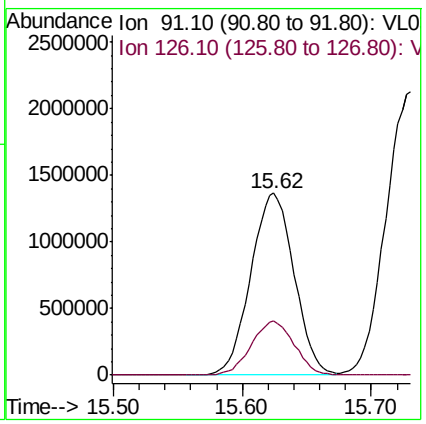


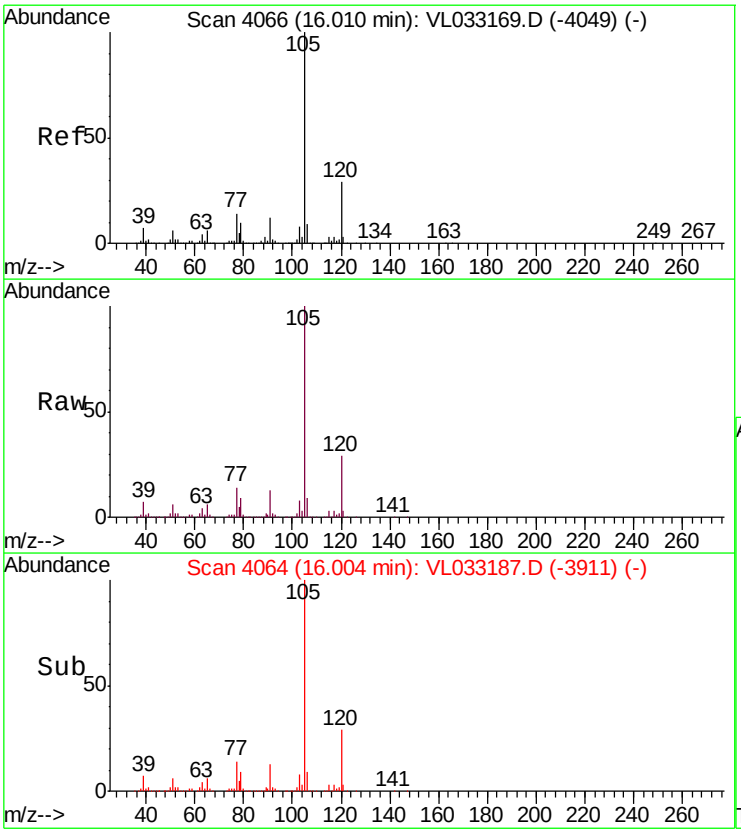
#71
2-Chlorotoluene
Concen: 7.007 ppbv
RT: 15.62 min Scan# 3946
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion: 91 Resp: 3197561

Ion	Ratio	Lower	Upper
91	100		
126	29.5	11.8	47.4

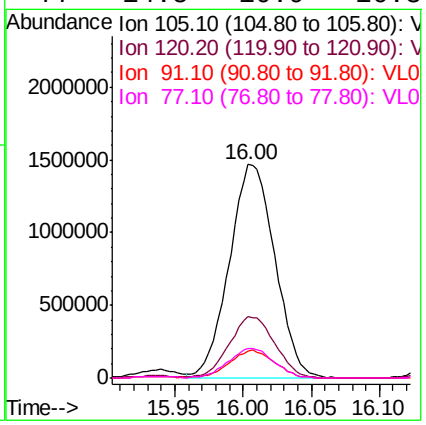


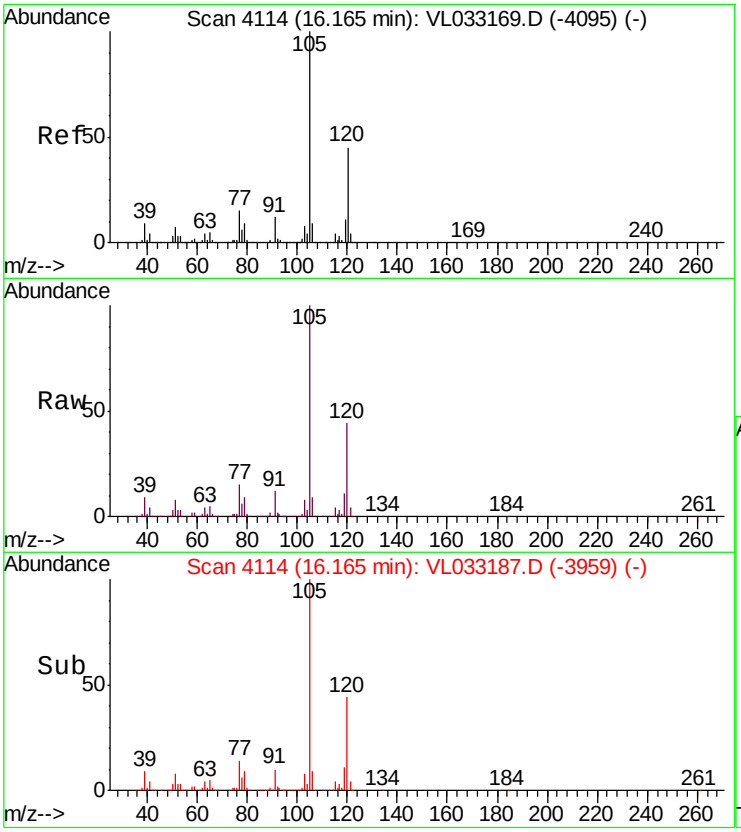


#72
4-Ethyltoluene
Concen: 7.163 ppbv
RT: 16.00 min Scan# 4064
Delta R.T. -0.01 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion:105 Resp: 3399981

Ion	Ratio	Lower	Upper
105	100		
120	28.9	23.1	34.7
91	12.9	9.8	14.6
77	14.5	10.9	16.3



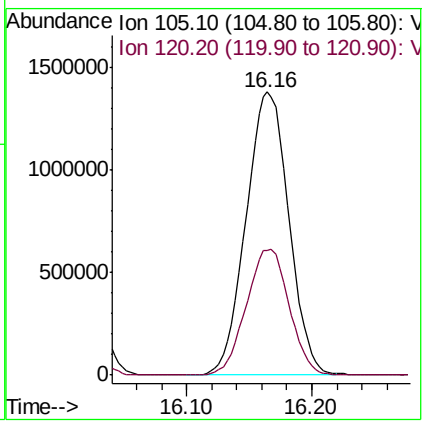


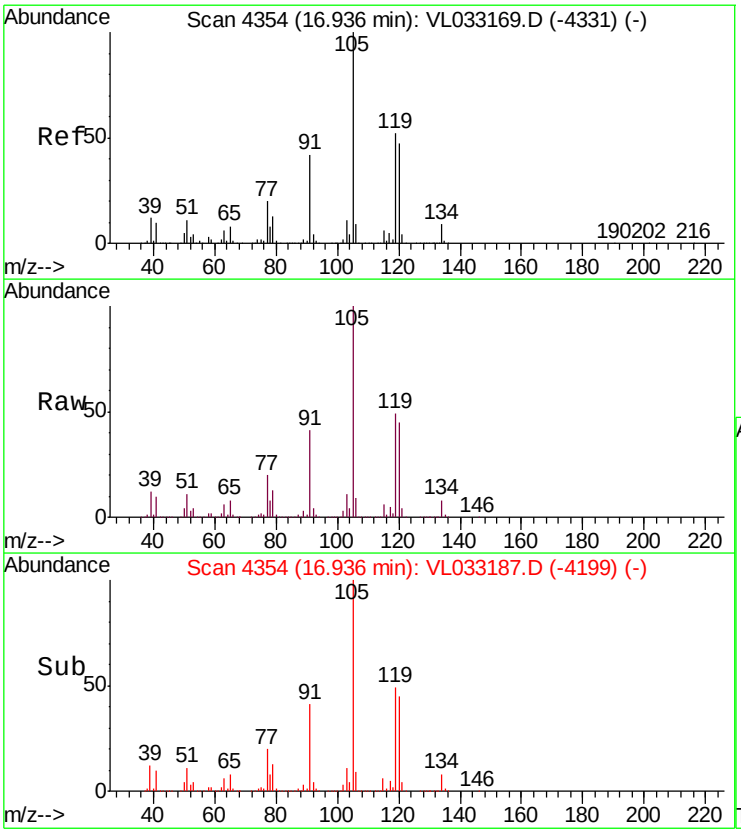
#73
1,3,5-Trimethylbenzene
Concen: 7.194 ppbv
RT: 16.16 min Scan# 4114
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion:105 Resp: 3265691

Ion	Ratio	Lower	Upper
105	100		
120	43.8	36.2	54.4

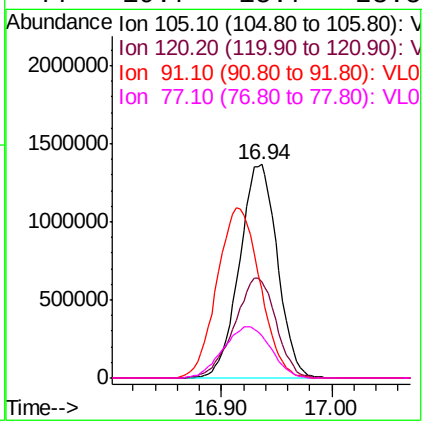


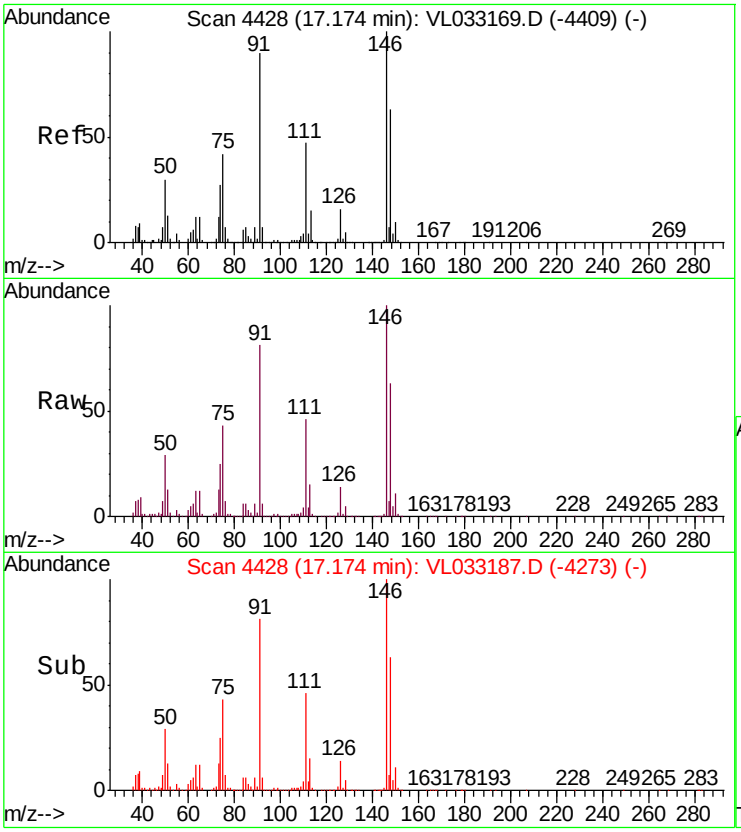


#74
1,2,4-Trimethylbenzene
Concen: 6.884 ppbv
RT: 16.94 min Scan# 4354
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion:105 Resp: 3242941

Ion	Ratio	Lower	Upper
105	100		
120	44.8	37.9	56.9
91	41.3	34.0	51.0
77	19.7	15.7	23.5



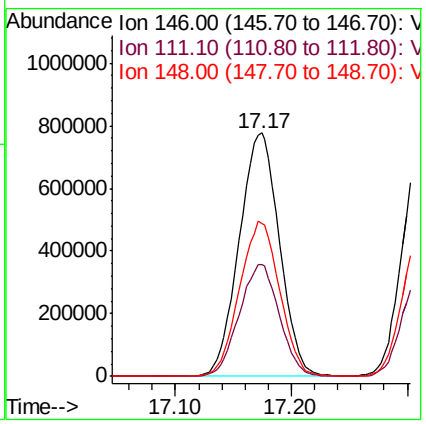


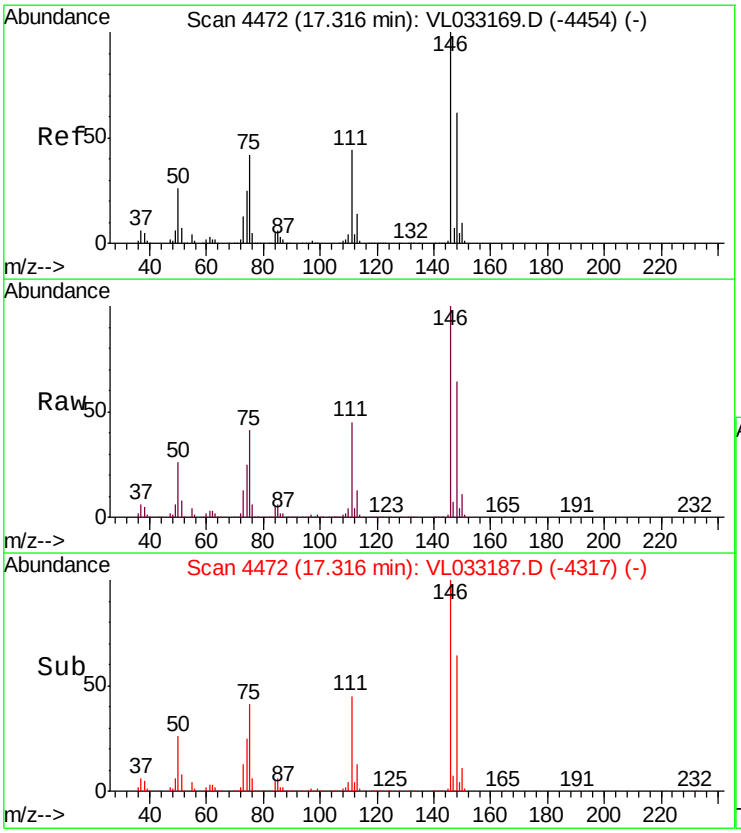
#75
1,3-Dichlorobenzene
Concen: 6.896 ppbv
RT: 17.17 min Scan# 4428
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion:146 Resp: 1873280

Ion	Ratio	Lower	Upper
146	100		
111	45.9	23.2	69.6
148	63.7	31.8	95.4

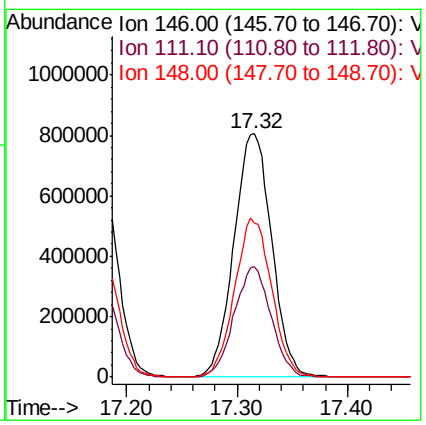


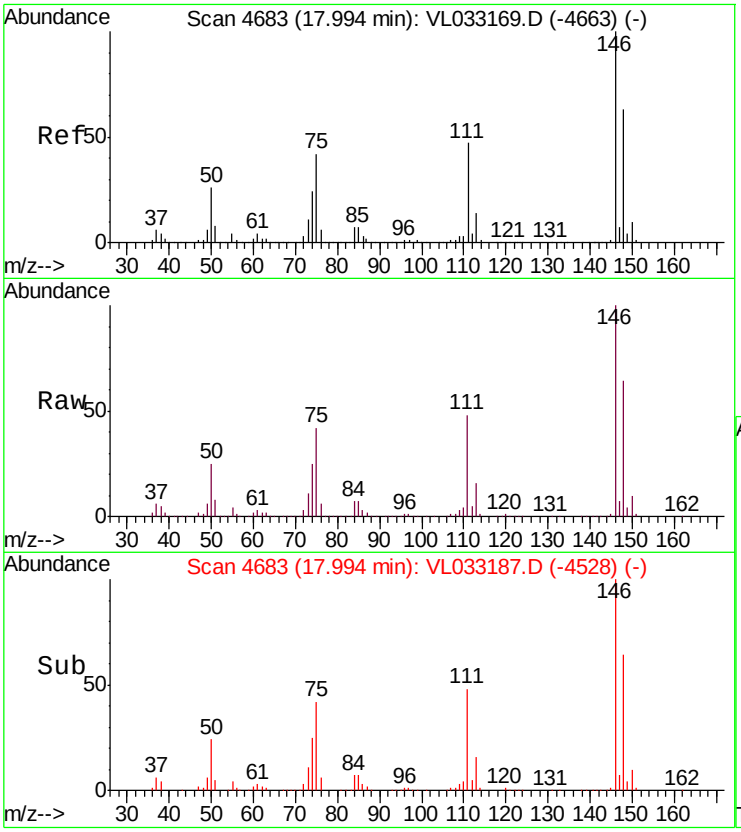


#76
1,4-Dichlorobenzene
Concen: 7.123 ppbv
RT: 17.32 min Scan# 4472
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion:146 Resp: 1916358

Ion	Ratio	Lower	Upper
146	100		
111	44.4	22.4	67.0
148	64.2	31.9	95.9



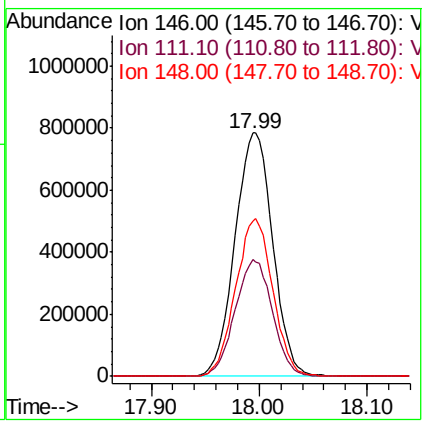


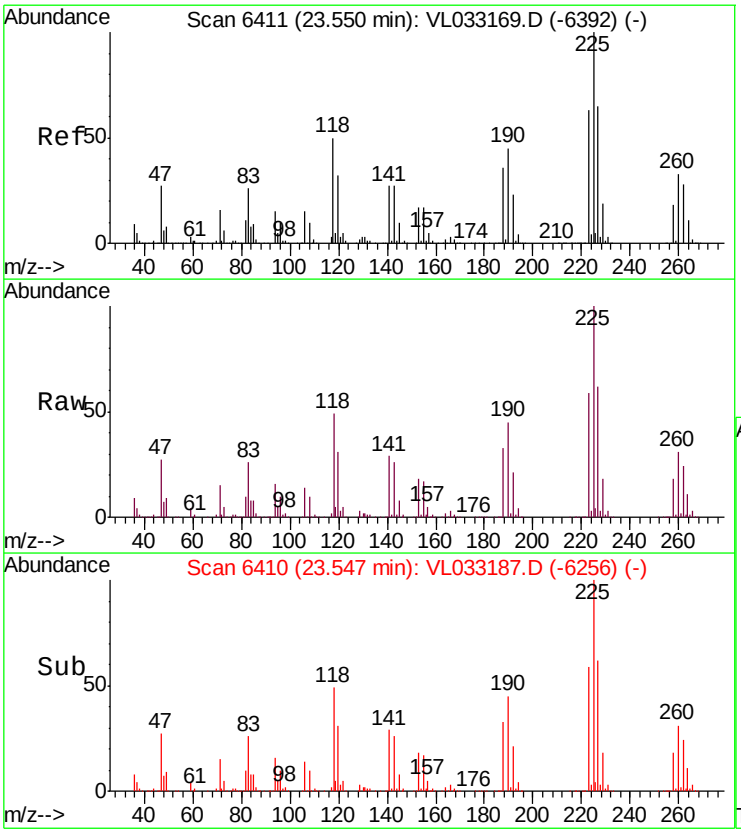
#77
1,2-Dichlorobenzene
Concen: 7.082 ppbv
RT: 17.99 min Scan# 4683
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion:146 Resp: 1900997

Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.5	70.6
148	63.9	31.9	95.7

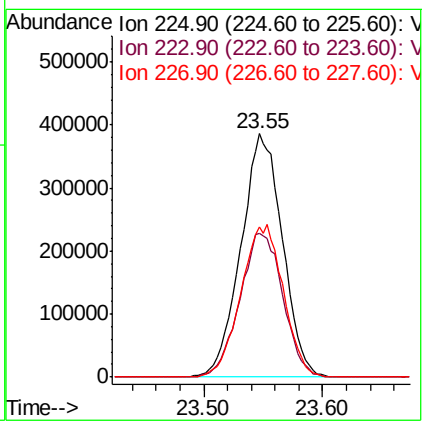


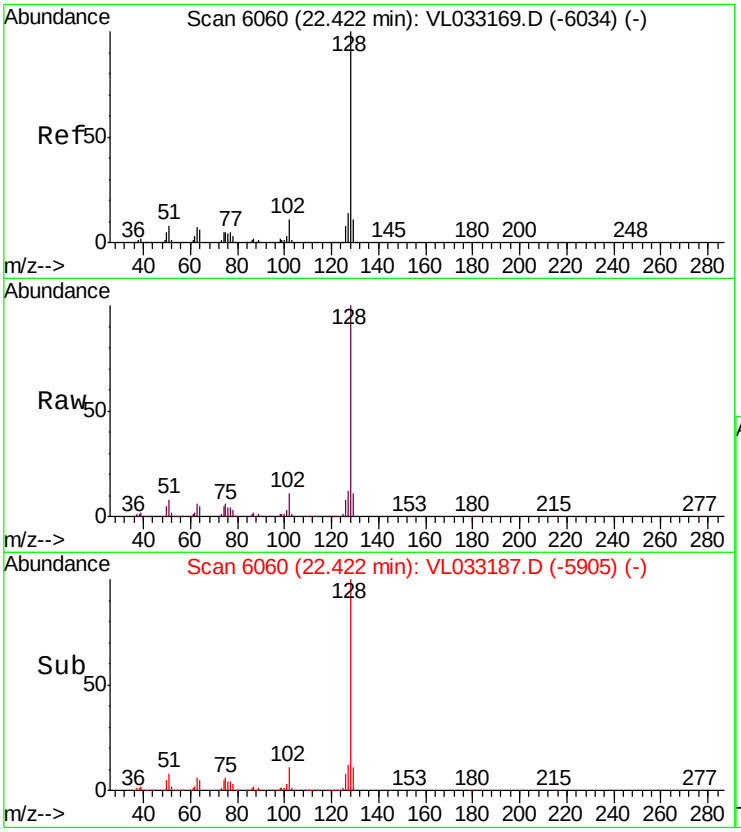


#78
Hexachloro-1,3-Butadiene
Concen: 6.966 ppbv
RT: 23.55 min Scan# 6410
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion:225 Resp: 930826

Ion	Ratio	Lower	Upper
225	100		
223	61.3	50.6	75.8
227	63.9	51.4	77.2



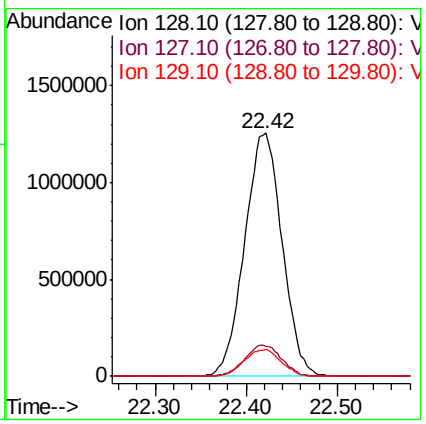


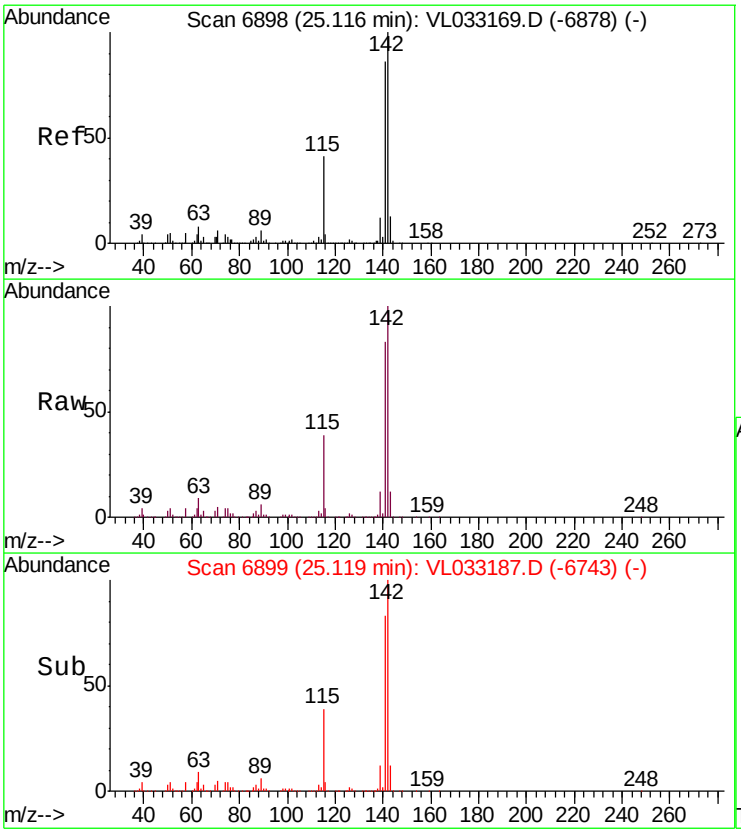
#79
Naphthalene
Concen: 7.099 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument : MSVOA_L
ClientSampleId : VL0213ABS01

Tgt Ion:128 Resp: 3593103

Ion	Ratio	Lower	Upper
128	100		
127	12.4	11.0	16.4
129	11.0	8.6	12.8

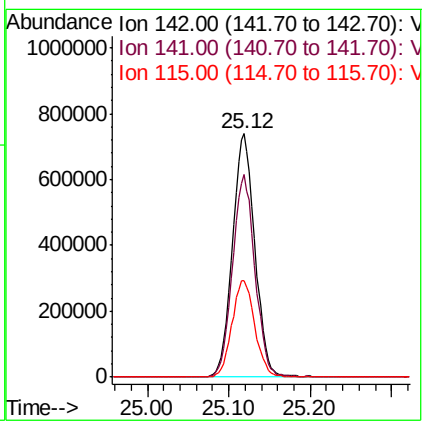


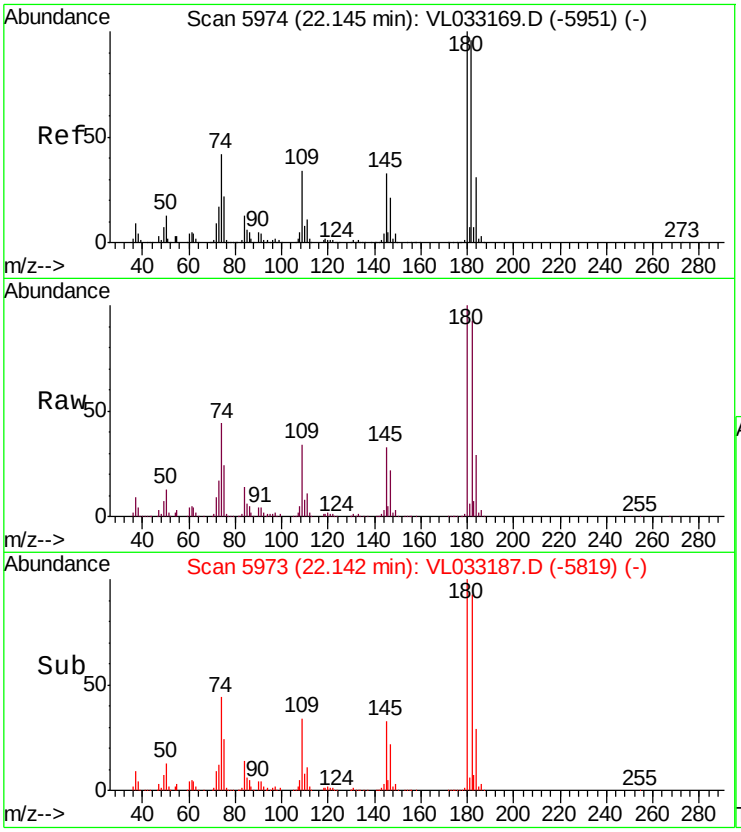


#80
Naphthalene,2-methyl-
Concen: 5.531 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. 0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Tgt Ion:142 Resp: 1417576

Ion	Ratio	Lower	Upper
142	100		
141	83.5	67.7	101.5
115	40.3	32.7	49.1





#81
1,2,4-Trichlorobenzene
Concen: 6.895 ppbv
RT: 22.14 min Scan# 5973
Delta R.T. -0.00 min
Lab File: VL033187.D
Acq: 13 Feb 2019 14:31

Instrument :
MSVOA_L
ClientSampleId :
VL0213ABS01

Tgt Ion:180 Resp: 1773246

Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.8	113.8
184	30.9	24.3	36.5