Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL013020\

Quantitation Report (Not Reviewed)

Data File : VL034571.D
Acq On : 30 Jan 2020 14:01
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Jan 30 14:55:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 14:46:59 2020
QLast Update : Thu Jan 30 14:46:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1146723	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2333120	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2267811	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1981373	10.47	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.70%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	142844	0.790	ppbv	88
3) Chlorodifluoromethane	2.95	51	76818	0.562	ppbv	95
4) Chloromethane	3.10	50	44675	0.550	ppbv	90
5) Vinyl Chloride	3.22	62	40108	0.505	ppbv	97
6) Bromomethane	3.44	94	23496	0.594	ppbv	87
7) Chloroethane	3.53	64	16476	0.595	ppbv	95
8) Dichlorotetrafluoroethane	3.15	85	109981	0.606	ppbv	100
9) Propene	2.97	41	28346	0.538	ppbv	100
10) Heptane	8.13	43	61171	0.450	ppbv	96
11) Trichlorofluoromethane	3.93	101	128555	0.614	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.47	101	85852	0.645	ppbv	92
13) Ethanol	3.59	45	11823	0.809	ppbv	100
14) Bromoethene	3.71	108	30985	0.576	ppbv #	96
15) Acetone	3.83	43	99478	0.594	ppbv	95
16) 1,3-Butadiene	3.29	39	30869	0.480	ppbv	90
17) tert-Butyl alcohol	4.28	59	75951	0.567	ppbv	95
18) 1,1-Dichloroethene	4.27	96	33424	0.576	ppbv	89
19) Isopropyl Alcohol	3.96	45	32100	0.296	ppbv #	83
20) Methylene Chloride	4.32	84	38574	0.586	ppbv	85
21) Allyl Chloride	4.39	41	49693	0.517	ppbv	95
22) trans-1,2-Dichloroethene	4.87	96	35227	0.597	ppbv #	88
23) Vinyl Acetate	5.06	43	64460	0.334	ppbv #	92
24) 1,1-Dichloroethane	4.99	63	85263	0.549	ppbv #	97
25) Ethyl Acetate	5.67	43	144116	0.551	ppbv	99
26) Hexane	5.68	57	58552	0.532	ppbv	93
27) Carbon Disulfide	4.53	76	71860	0.516	ppbv #	89
28) Methyl tert-Butyl Ether	5.03	73	89944	0.489	ppbv	96
29) Chloroform	5.74	83	61168	0.321	ppbv	99
30) Cyclohexane	7.13	84	18810	0.230	ppbv #	16
31) cis-1,2-Dichloroethene	5.54	61	56434	0.503	ppbv #	86
32) 1,1,1-Trichloroethane	6.51	97	64025	0.324	ppbv #	30
34) 2-Butanone	5.24	43	81662	0.490	ppbv	95
35) Carbon Tetrachloride	7.02	117	110637	0.523	ppbv	89
36) Benzene	6.89	78	101017	0.497	ppbv	99
37) 1,2-Dichloroethane	6.30	62	46888	0.284	ppbv #	88
38) Trichloroethene	7.84	130	42580	0.518	ppbv	94
39) 1,2-Dichloropropane	7.62	63	44017	0.526	ppbv #	89
41) Tetrahydrofuran	6.06	42	14612	0.171	ppbv #	38
42) Bromodichloromethane	7.80	83	108162	0.532	ppbv	100
43) Methyl Methacrylate	8.02	69	24797	0.299	ppbv #	42
44) 2,2,4-Trimethylpentane	7.88	57	180768	0.480	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL013020\

Quantitation Report (Not Reviewed)

Data File : VL034571.D
Acq On : 30 Jan 2020 14:01
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Jan 30 14:55:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 14:46:59 2020
QLast Update : Thu Jan 30 14:46:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units		Dev(Min)
45) t-1,3-Dichloropropene	9.29	75	22465	0.210 ppbv	#	87
46) cis-1,3-Dichloropropene	8.72	75	30776	0.252 ppbv	#	94
47) 1,1,2-Trichloroethane	9.49	97	36367	0.394 ppbv		92
48) Dibromochloromethane	10.32	129	40538	0.254 ppbv	#	11
49) Bromoform	13.07	173	63513	0.439 ppbv		94
50) 4-Methyl-2-Pentanone	8.76	43	55565	0.230 ppbv	#	40
51) 2-Hexanone	10.17	43	79343	0.406 ppbv	#	96
52) Tetrachloroethene	11.25	164	22610	0.285 ppbv		96
53) Toluene	9.83	91	96557	0.432 ppbv		100
54) 1,2-Dibromoethane	10.63	107	67294	0.502 ppbv		98
56) 1,1,1,2-Tetrachloroethane	12.16	131	27374	0.250 ppbv	#	9
57) Chlorobenzene	12.17	112	103358	0.552 ppbv	#	85
58) Ethyl Benzene	12.74	91	142339	0.465 ppbv		94
59) m/p-Xylene	13.02	91	89583	0.335 ppbv	#	1
60) o-Xylene	13.73	91	132844	0.495 ppbv		98
61) Styrene	13.56	104	77697	0.423 ppbv		97
62) Isopropylbenzene	14.70	105	173014	0.493 ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.71	83	47844	0.222 ppbv	#	23
64) n-propylbenzene	15.60	120	16577	0.185 ppbv	#	1
65) tert-Butylbenzene	16.78	119	80766	0.255 ppbv	#	14
66) Benzyl Chloride	17.03	91	21414	0.154 ppbv	#	42
67) sec-Butylbenzene	17.33	105	111763	0.251 ppbv	#	58
69) p-Isopropyltoluene	17.69	119	165248	0.457 ppbv		95
70) n-Butylbenzene	18.59	91	178654	0.458 ppbv		97
71) 2-Chlorotoluene	15.49	91	123245	0.452 ppbv		97
72) 4-Ethyltoluene	15.87	105	81766	0.272 ppbv	#	65
73) 1,3,5-Trimethylbenzene	16.03	105	88579	0.301 ppbv	#	85
74) 1,2,4-Trimethylbenzene	16.80	105	169905	0.539 ppbv	#	88
75) 1,3-Dichlorobenzene	17.04	146	100352	0.532 ppbv		99
76) 1,4-Dichlorobenzene	17.18	146	48997	0.270 ppbv	#	28
77) 1,2-Dichlorobenzene	17.86	146	90028	0.507 ppbv		96
78) Hexachloro-1,3-Butadiene	23.43	225	93400	0.555 ppbv		96
79) Naphthalene	22.26	128	108968	0.459 ppbv	#	96
80) Naphthalene,2-methyl-	25.01	142	32453	0.493 ppbv	#	90
81) 1,2,4-Trichlorobenzene	21.98	180	40272	0.261 ppbv	#	11

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

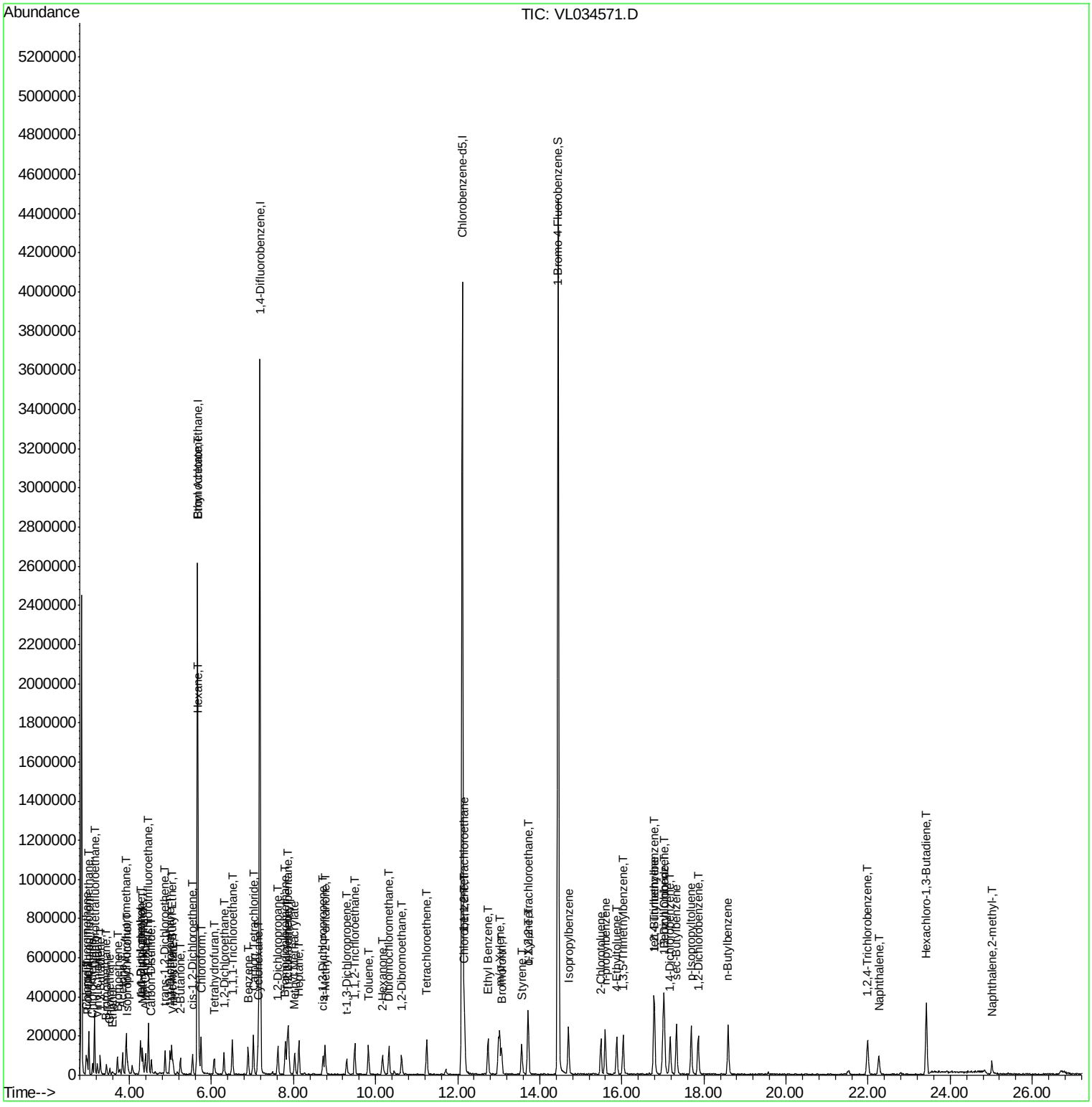
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL013020\

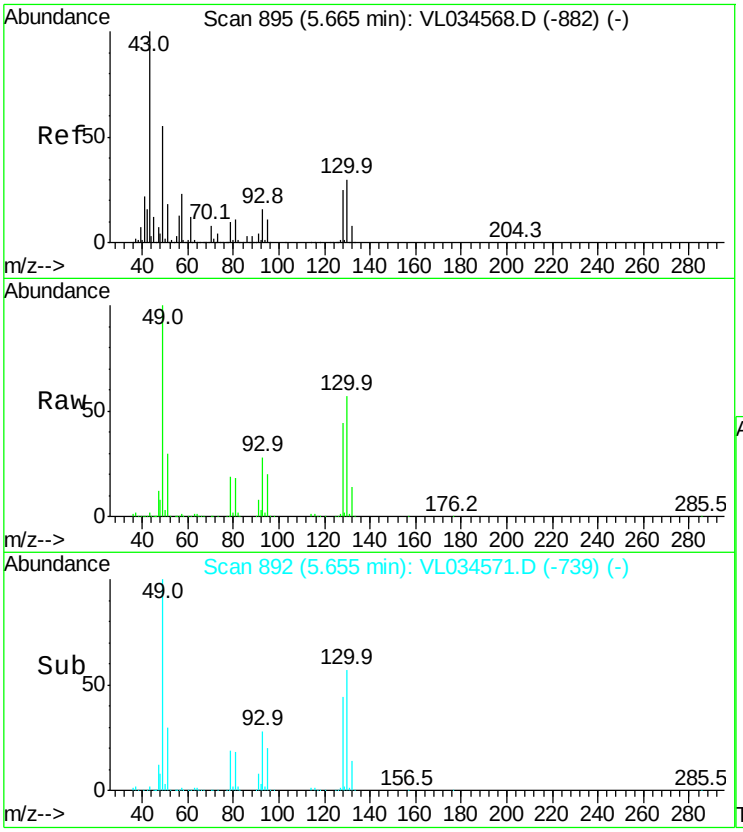
Quantitation Report (Not Reviewed)

Data File : VL034571.D
Acq On : 30 Jan 2020 14:01
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Jan 30 14:55:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 14:46:59 2020
QLast Update : Thu Jan 30 14:46:59 2020
Response via : Initial Calibration



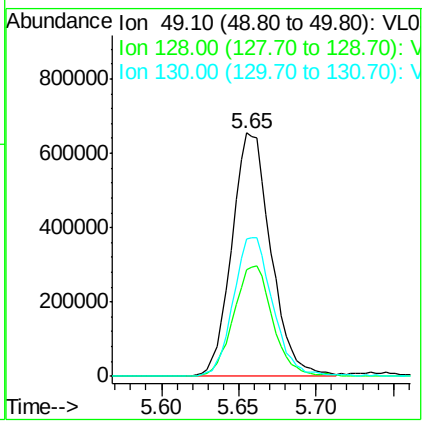


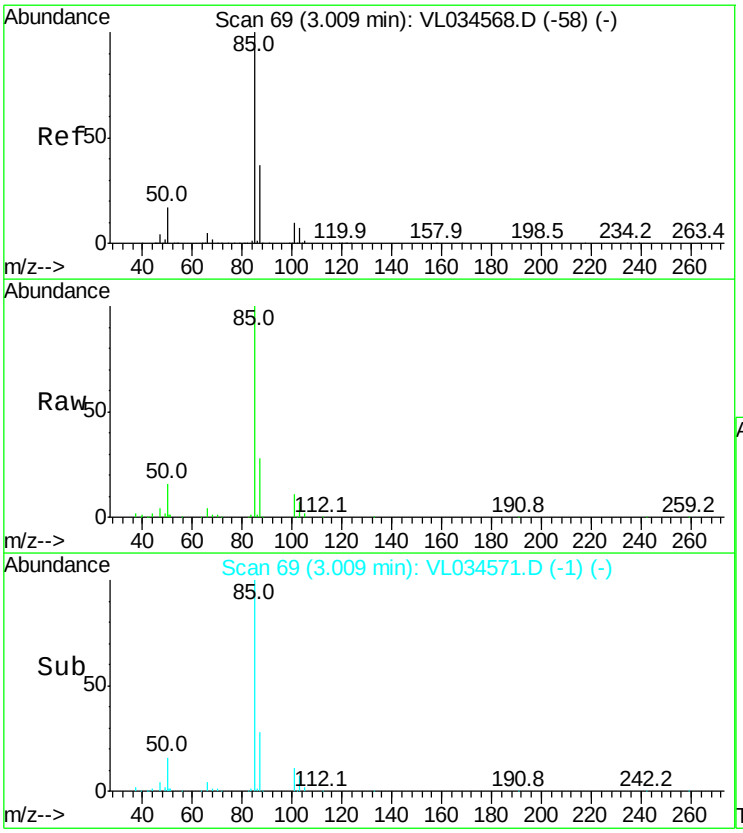
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 1146723

Ion	Ratio	Lower	Upper
49	100		
128	45.7	22.4	67.2
130	57.9	28.3	85.0

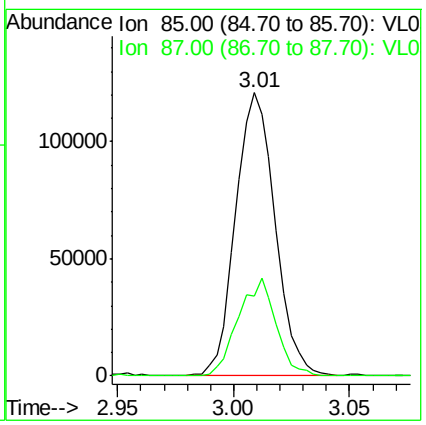


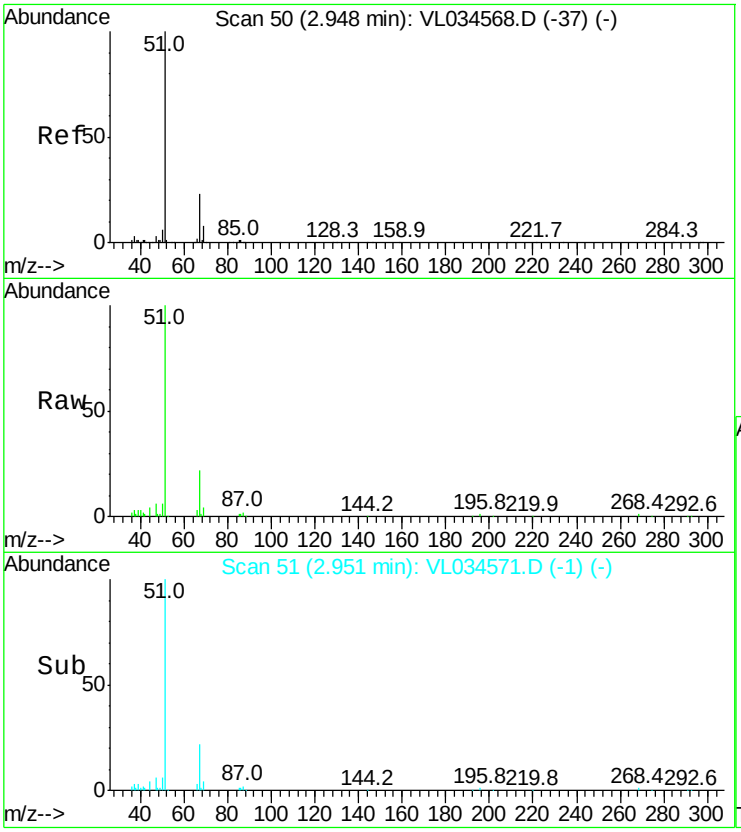


#2
Dichlorodifluoromethane
Concen: 0.790 ppbv
RT: 3.01 min Scan# 69
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 85 Resp: 142844

Ion	Ratio	Lower	Upper
85	100		
87	28.0	27.9	41.9



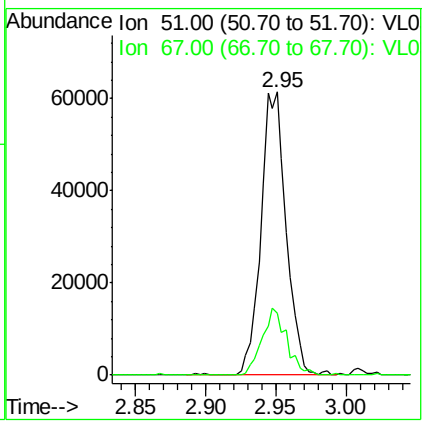


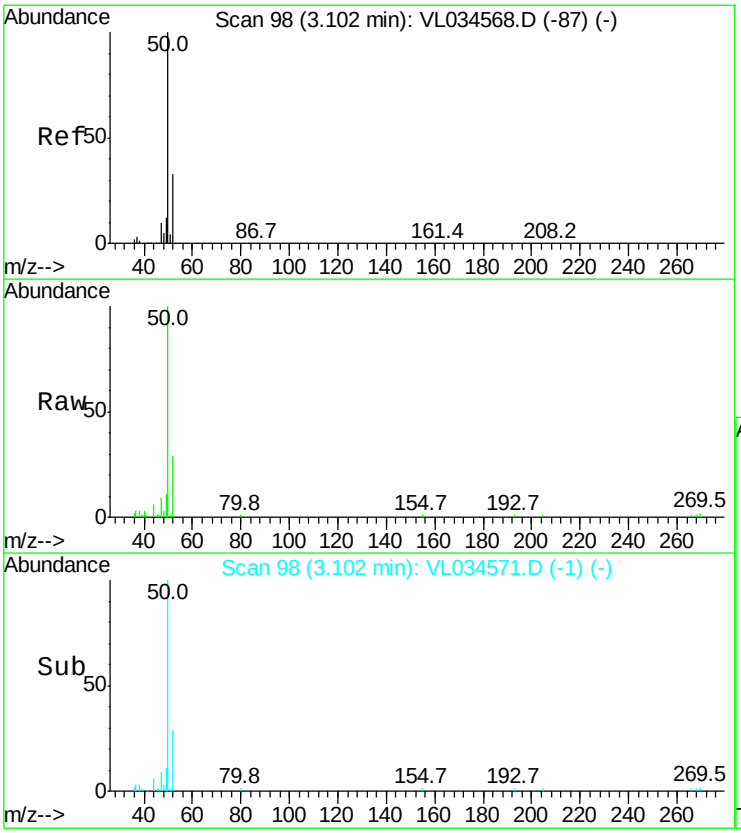
#3
Chlorodifluoromethane
Concen: 0.562 ppbv
RT: 2.95 min Scan# 51
Delta R.T. 0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 76818

Ion	Ratio	Lower	Upper
51	100		
67	23.3	16.8	25.2

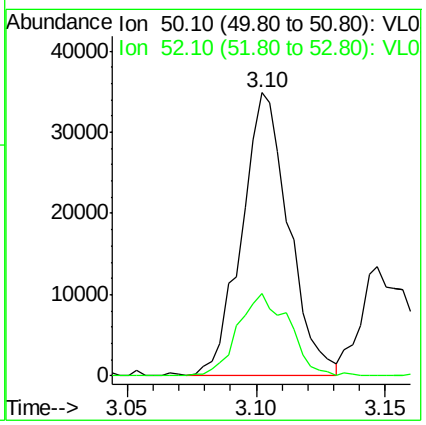


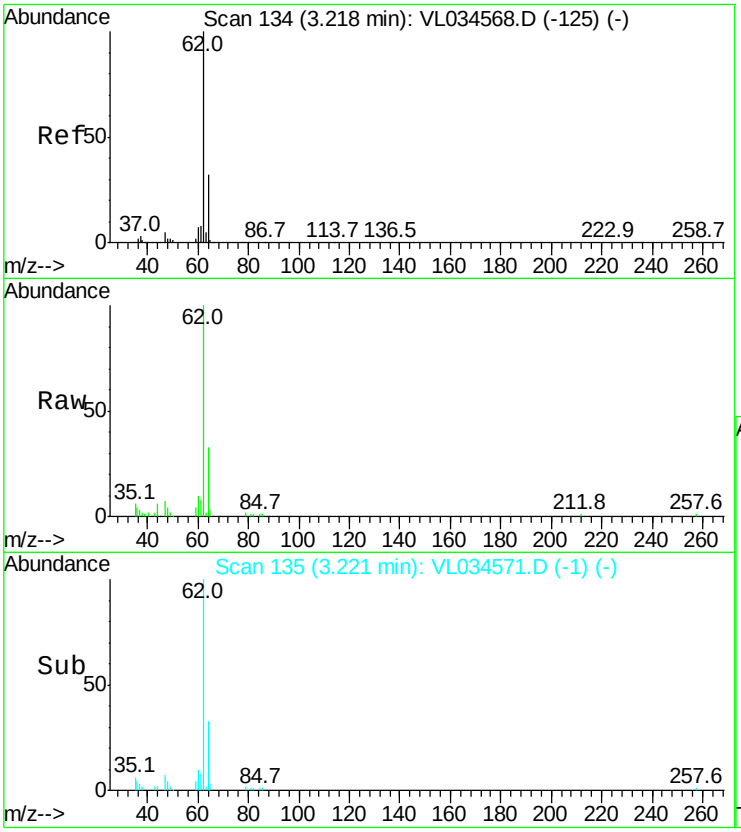


#4
Chloromethane
Concen: 0.550 ppbv
RT: 3.10 min Scan# 98
Delta R.T. 0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 50 Resp: 44675

Ion	Ratio	Lower	Upper
50	100		
52	28.9	27.6	41.4



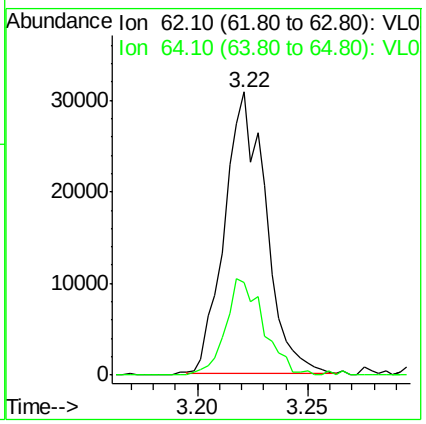


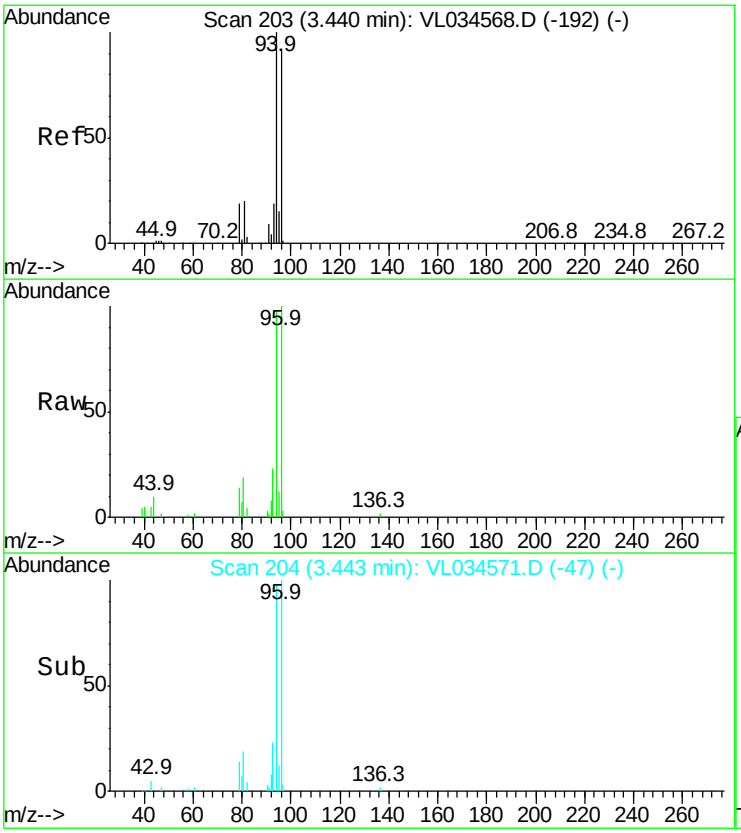
#5
Vinyl Chloride
Concen: 0.505 ppbv
RT: 3.22 min Scan# 135
Delta R.T. 0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 40108

Ion	Ratio	Lower	Upper
62	100		
64	32.8	24.9	37.3

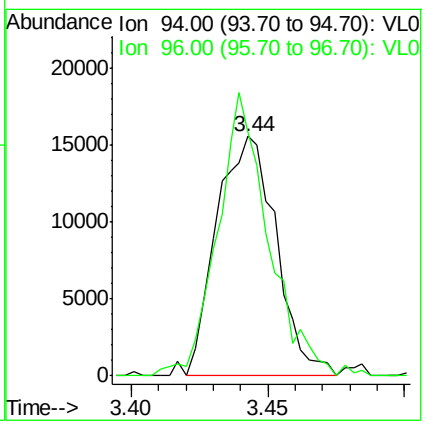


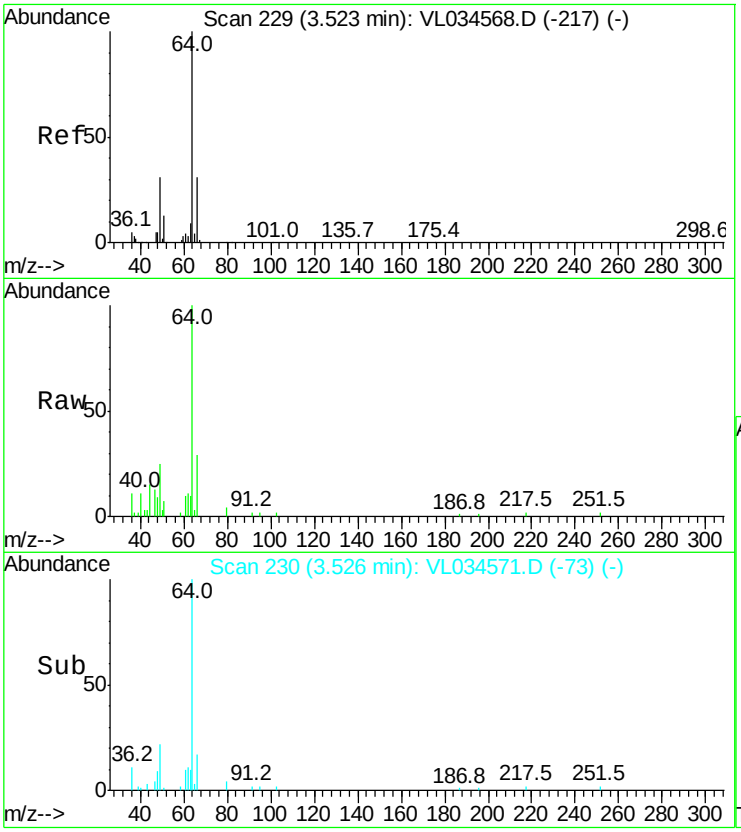


#6
Bromomethane
Concen: 0.594 ppbv
RT: 3.44 min Scan# 204
Delta R.T. 0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 94 Resp: 23496

Ion	Ratio	Lower	Upper
94	100		
96	101.6	71.2	106.8



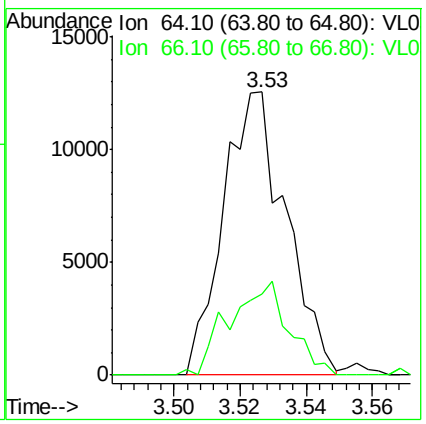


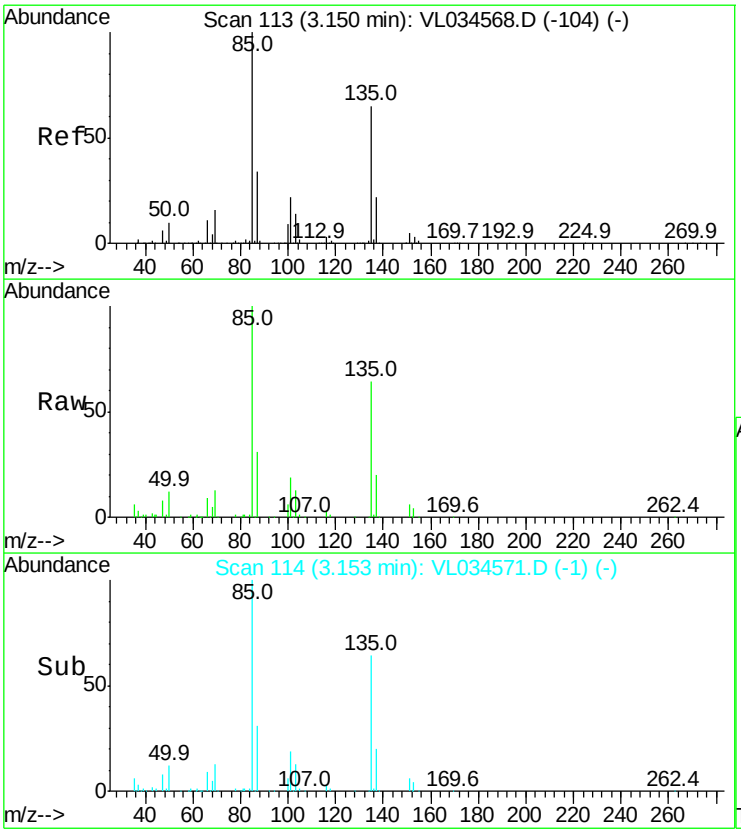
#7
Chloroethane
Concen: 0.595 ppbv
RT: 3.53 min Scan# 230
Delta R.T. 0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 64 Resp: 16476

Ion	Ratio	Lower	Upper
64	100		
66	28.6	25.0	37.4

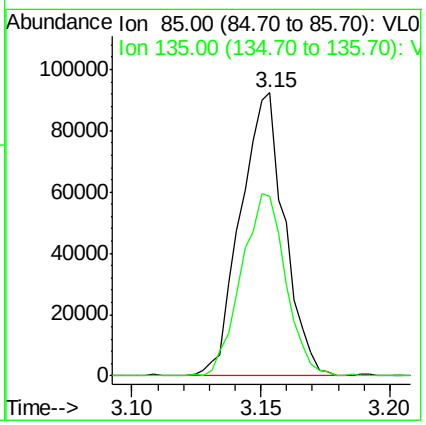


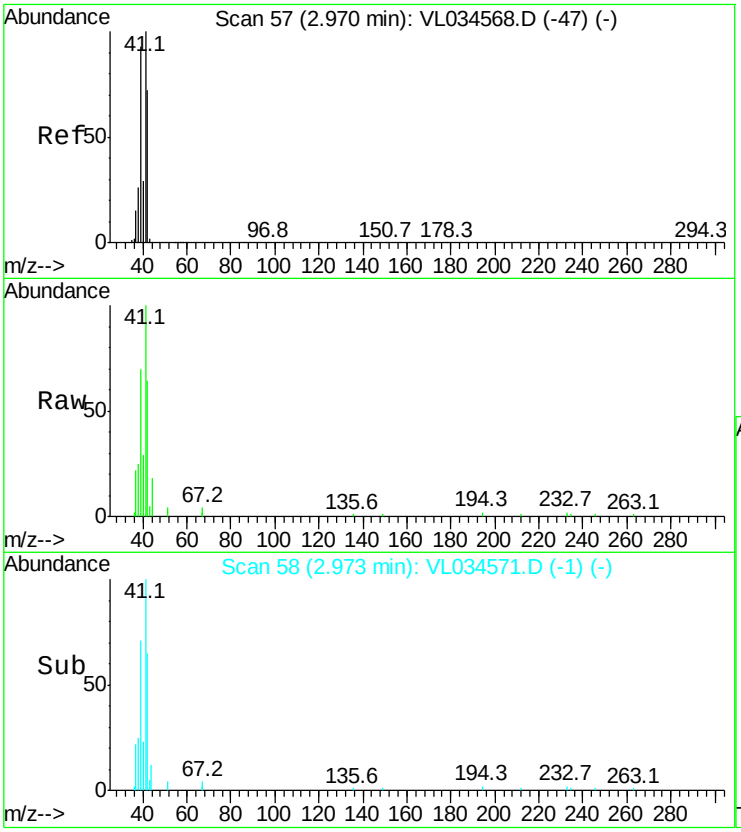


#8
Dichlorotetrafluoroethane
Concen: 0.606 ppbv
RT: 3.15 min Scan# 114
Delta R.T. 0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 85 Resp: 109981

Ion	Ratio	Lower	Upper
85	100		
135	65.0	51.8	77.8



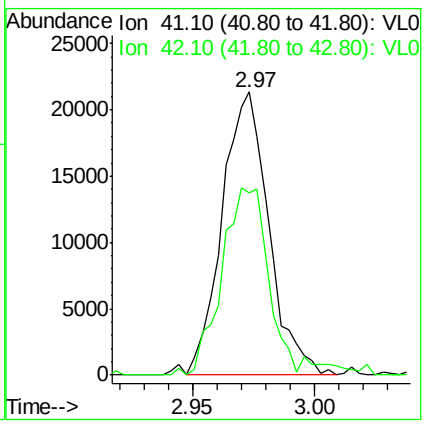


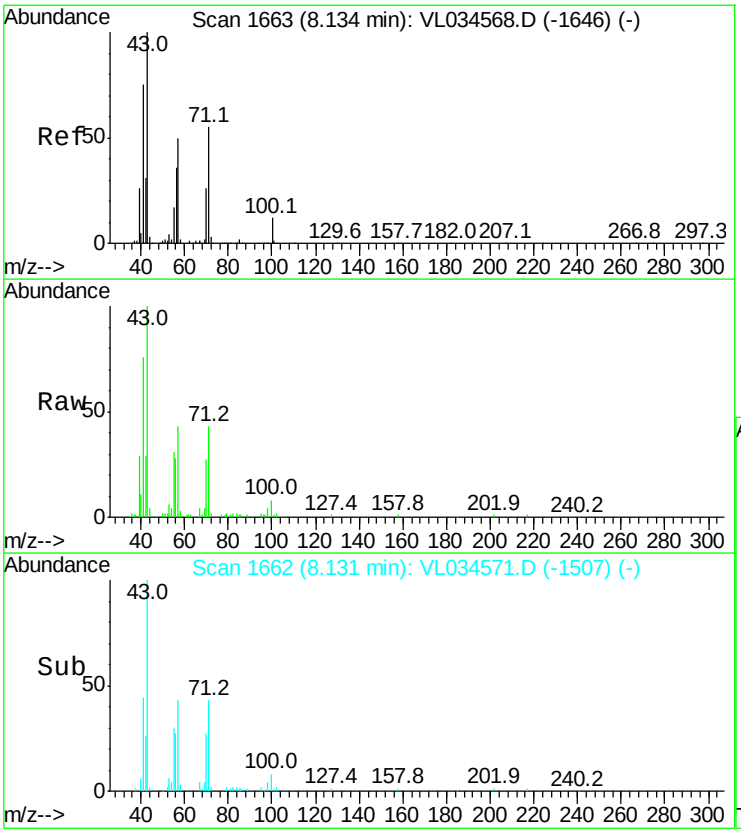
#9
Propene
Concen: 0.538 ppbv
RT: 2.97 min Scan# 58
Delta R.T. 0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 41 Resp: 28346

Ion	Ratio	Lower	Upper
41	100		
42	69.8	55.8	83.6

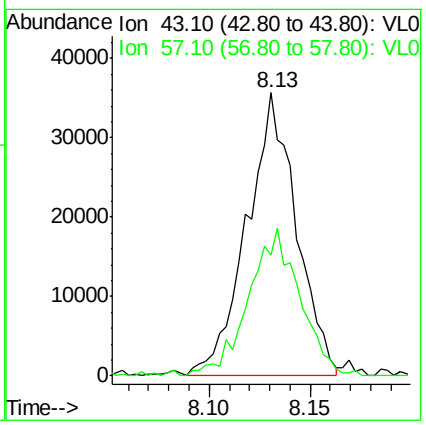


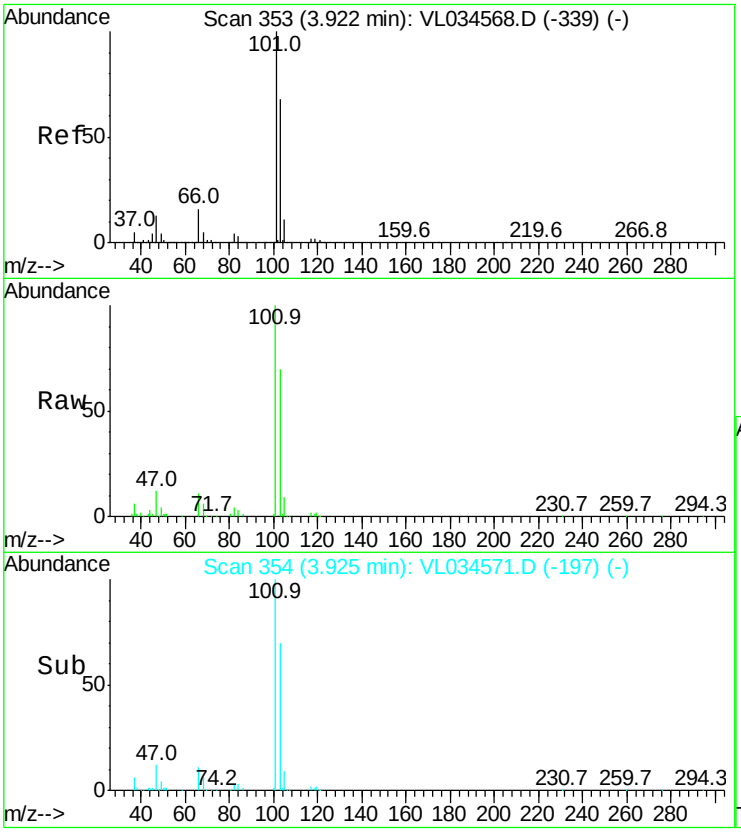


#10
Heptane
Concen: 0.450 ppbv
RT: 8.13 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 43 Resp: 61171

Ion	Ratio	Lower	Upper
43	100		
57	54.2	41.0	61.6



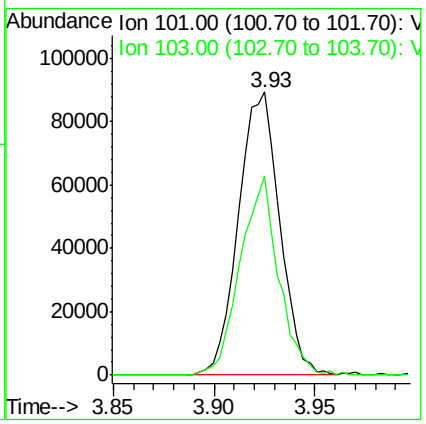


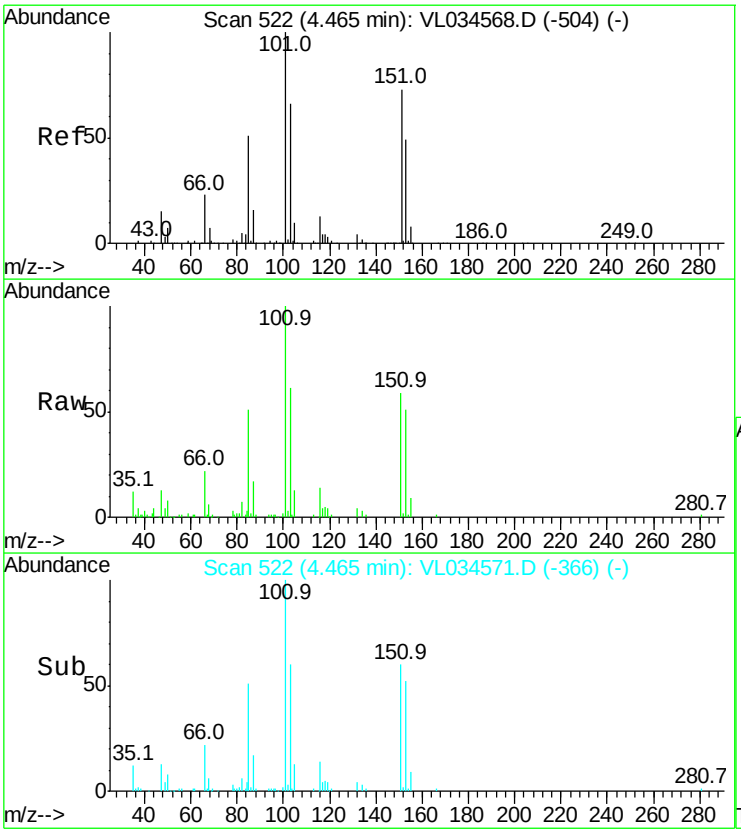
#11
Trichlorofluoromethane
Concen: 0.614 ppbv
RT: 3.93 min Scan# 354
Delta R.T. 0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 128555

Ion	Ratio	Lower	Upper
101	100		
103	70.2	52.1	78.1

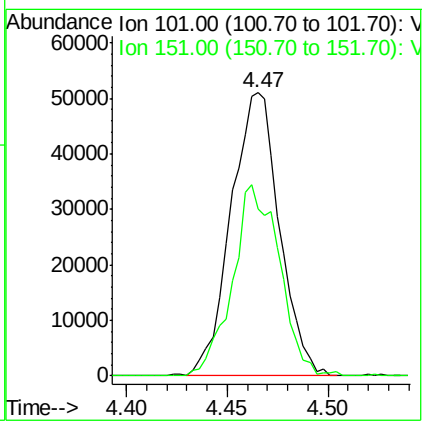


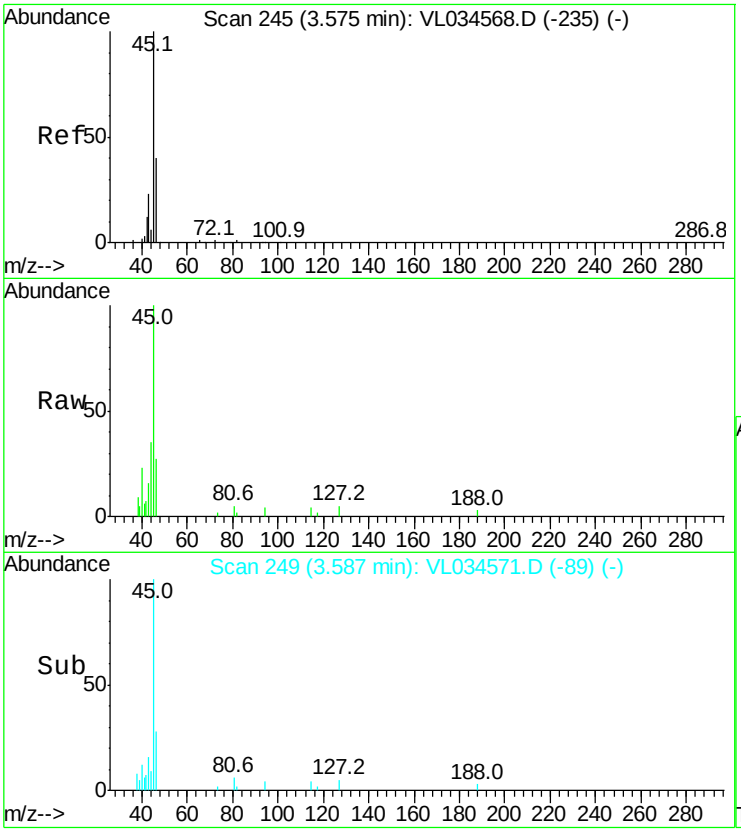


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.645 ppbv
RT: 4.47 min Scan# 522
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion:101 Resp: 85852

Ion	Ratio	Lower	Upper
101	100		
151	65.3	57.8	86.6



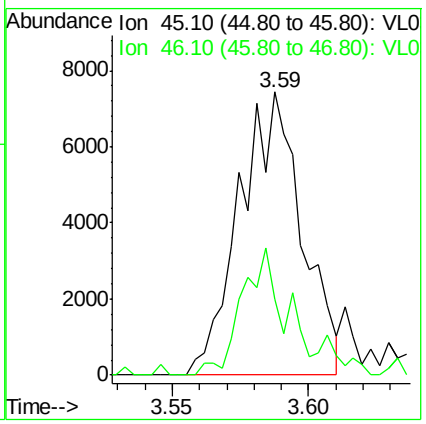


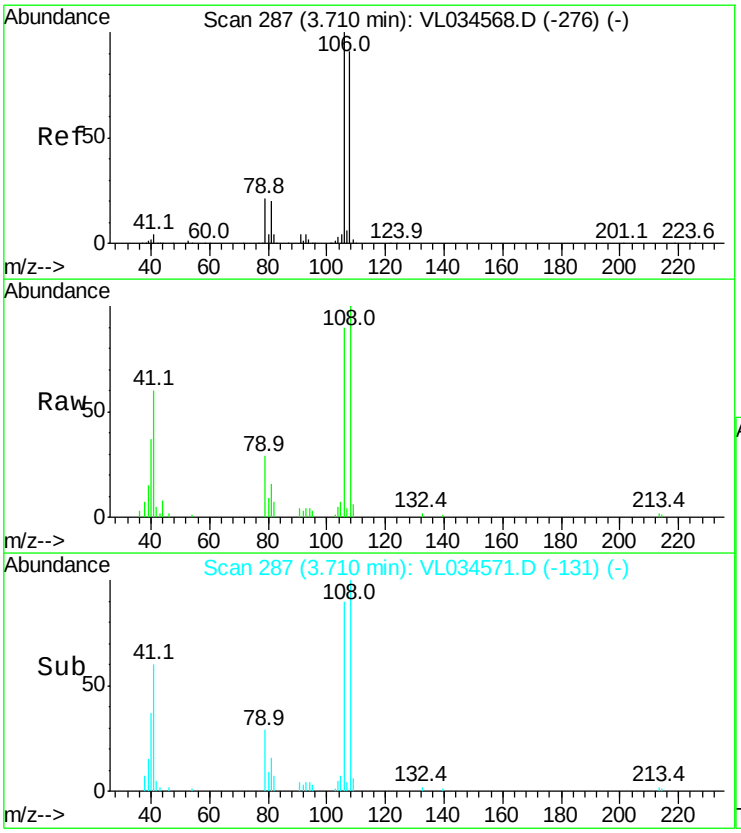
#13
Ethanol
Concen: 0.809 ppbv
RT: 3.59 min Scan# 249
Delta R.T. 0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 11823

Ion	Ratio	Lower	Upper
45	100		
46	37.0	14.9	59.7

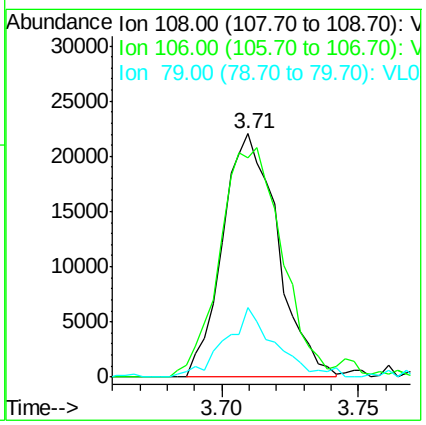


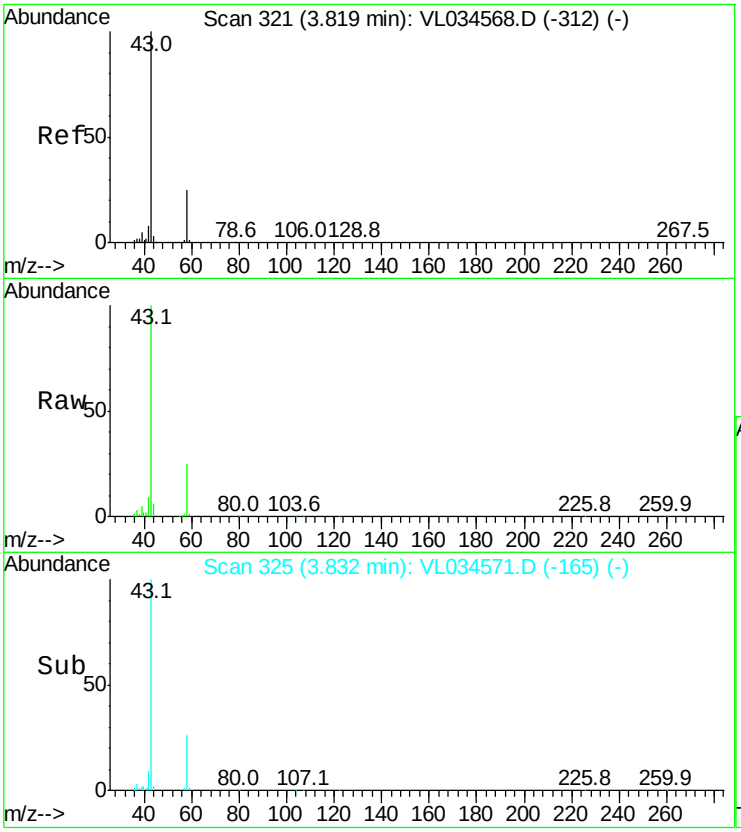


#14
Bromoethene
Concen: 0.576 ppbv
RT: 3.71 min Scan# 287
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion:108 Resp: 30985

Ion	Ratio	Lower	Upper
108	100		
106	109.6	85.2	127.8
79	26.9	17.4	26.2#



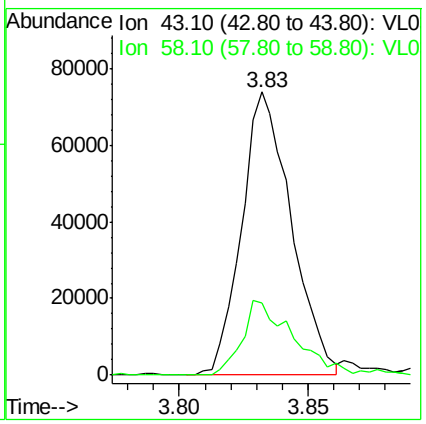


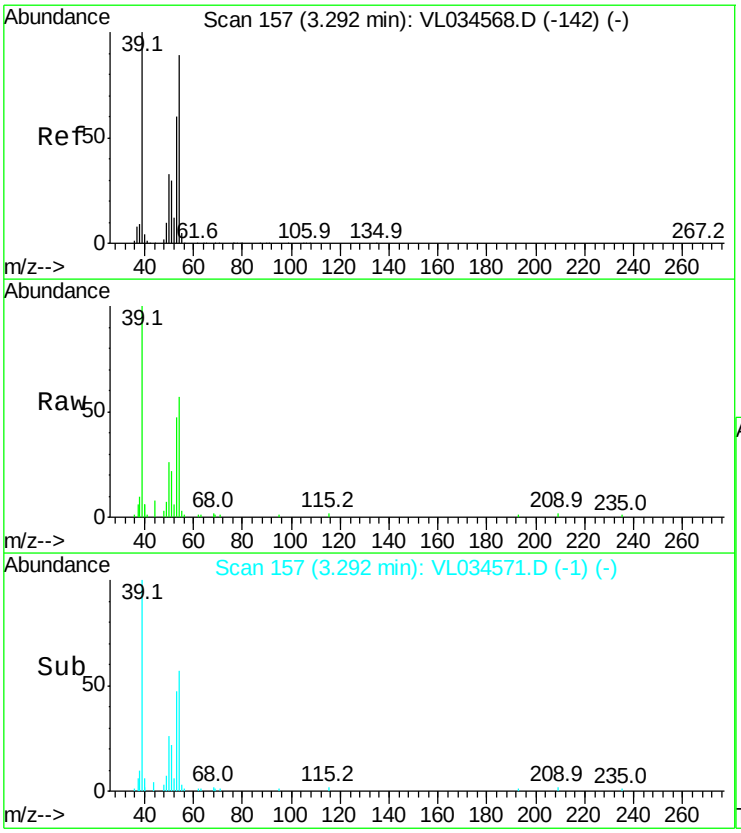
#15
Acetone
Concen: 0.594 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 99478

Ion	Ratio	Lower	Upper
43	100		
58	27.9	20.4	30.6

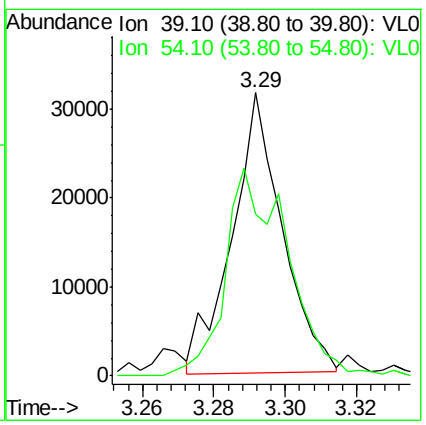


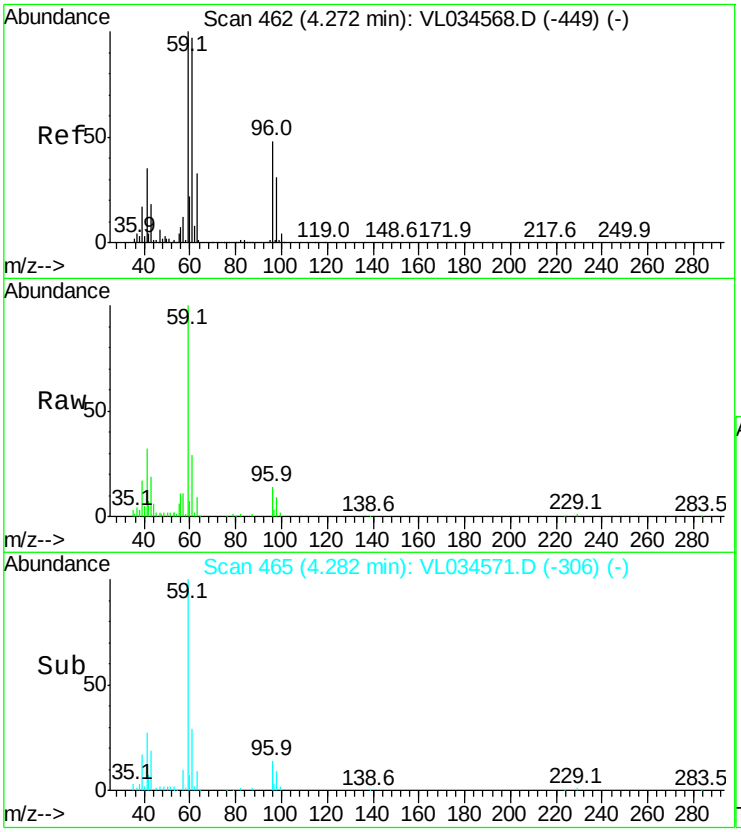


#16
1,3-Butadiene
Concen: 0.480 ppbv
RT: 3.29 min Scan# 157
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 39 Resp: 30869

Ion	Ratio	Lower	Upper
39	100		
54	91.3	66.2	99.2



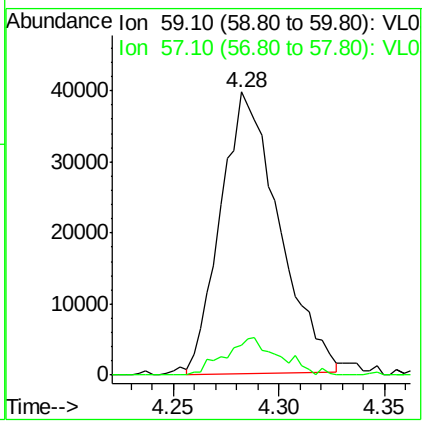


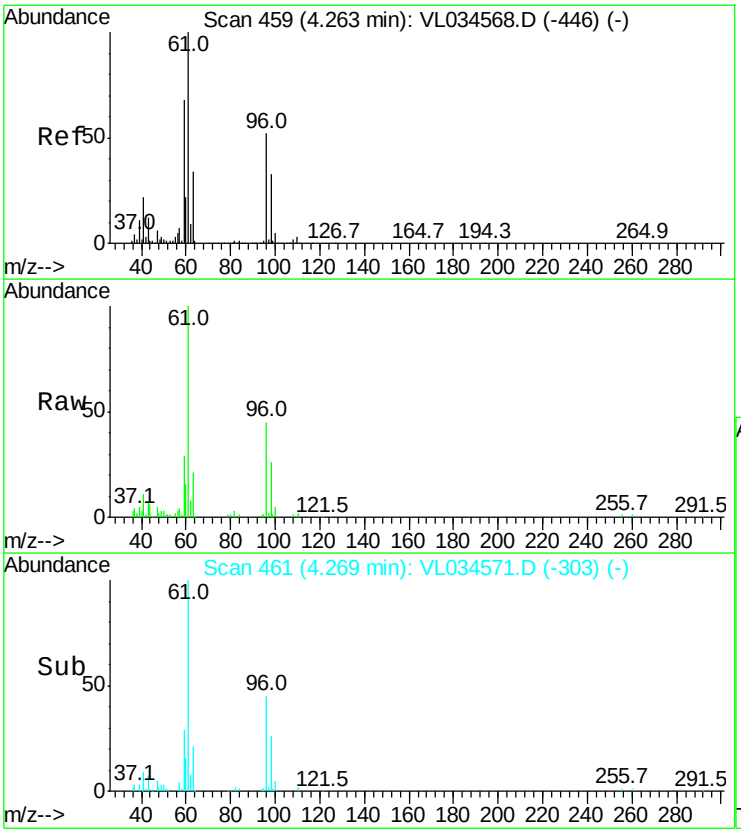
#17
tert-Butyl alcohol
Concen: 0.567 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 59 Resp: 75951

Ion	Ratio	Lower	Upper
59	100		
57	12.7	8.6	12.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

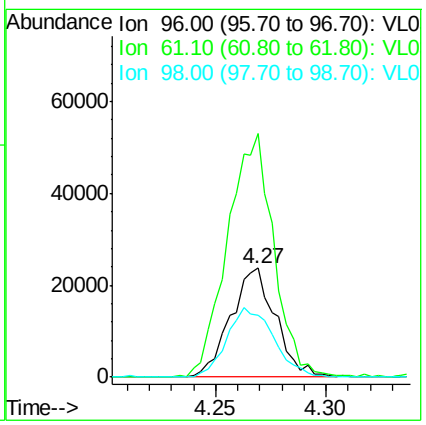


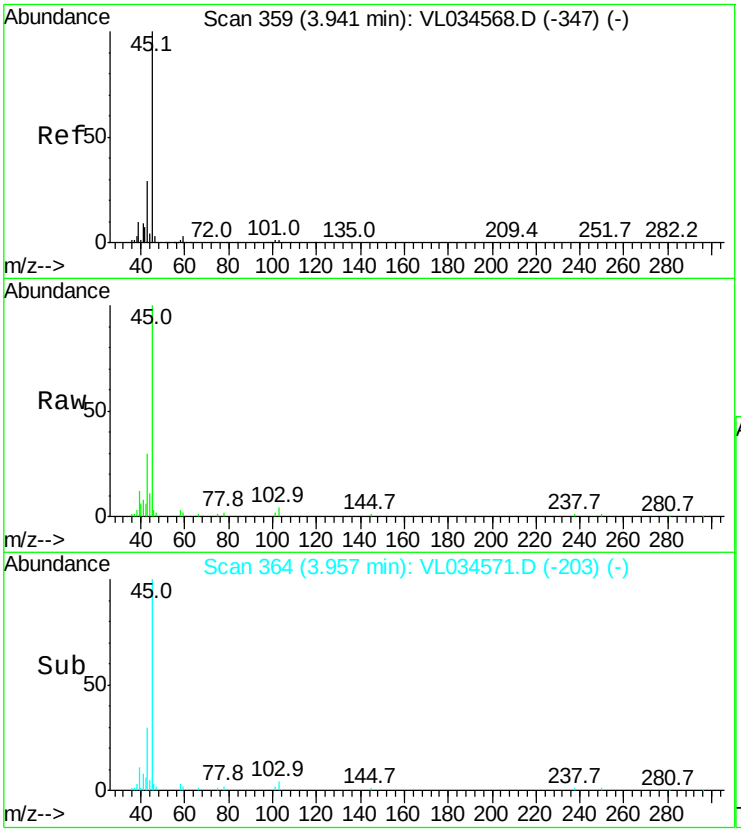


#18
1,1-Dichloroethene
Concen: 0.576 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 96 Resp: 33424

Ion	Ratio	Lower	Upper
96	100		
61	224.2	165.9	248.9
98	57.2	51.9	77.9



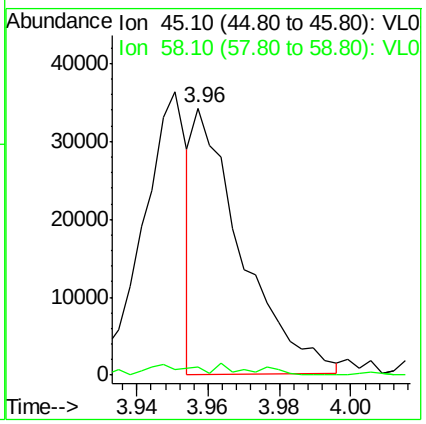


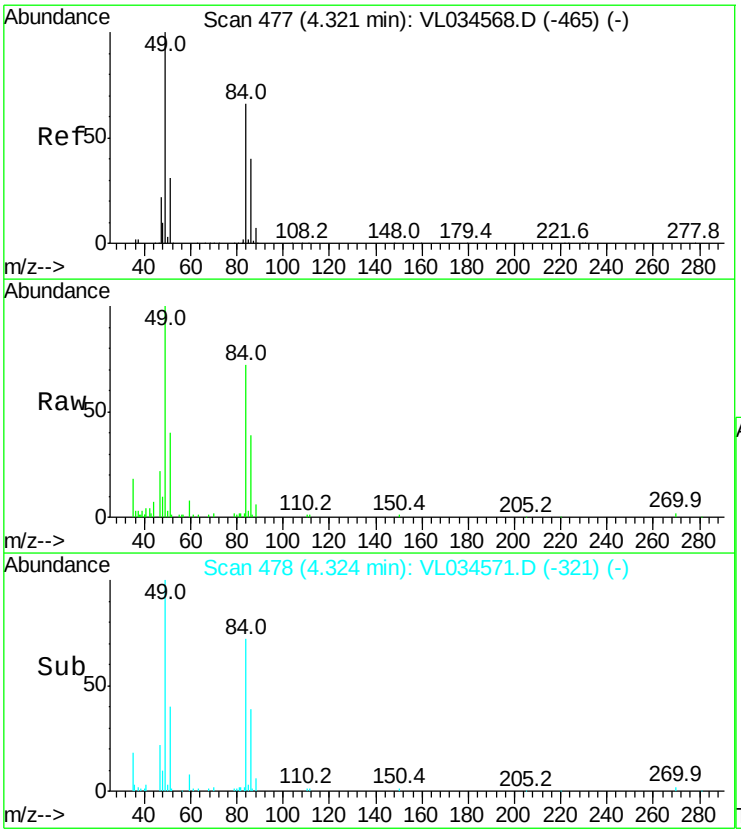
#19
Isopropyl Alcohol
Concen: 0.296 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.02 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 32100

Ion	Ratio	Lower	Upper
45	100		
58	8.0	1.4	2.0#

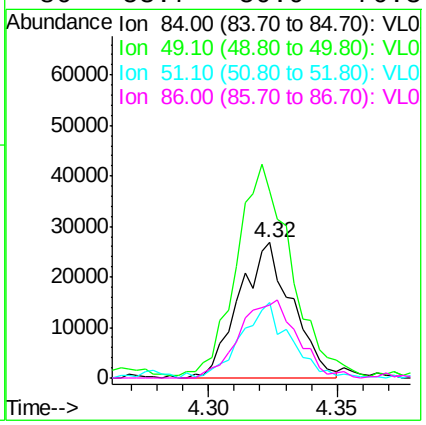


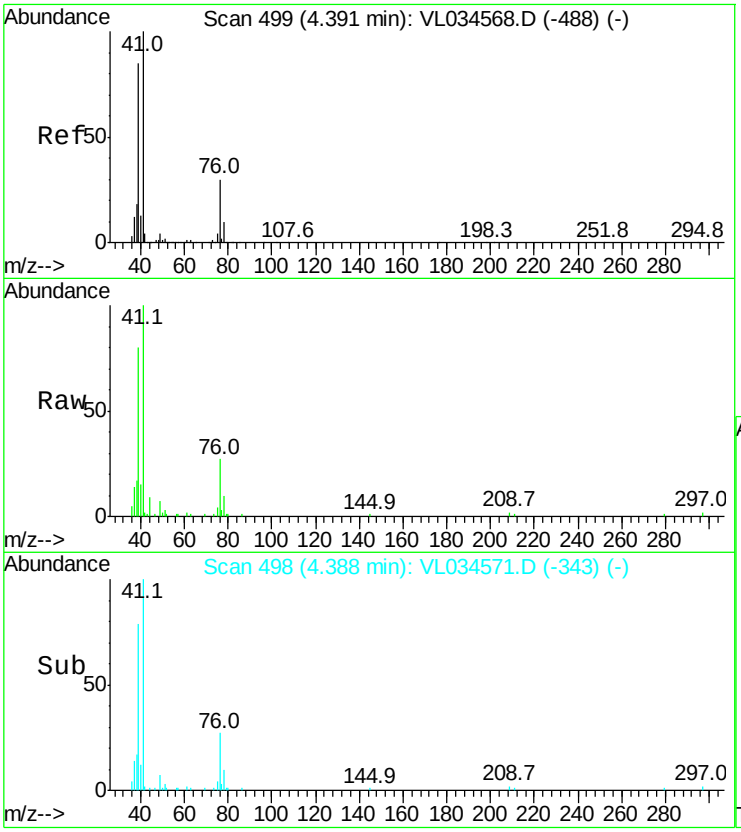


#20
Methylene Chloride
Concen: 0.586 ppbv
RT: 4.32 min Scan# 478
Delta R.T. 0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 84 Resp: 38574

Ion	Ratio	Lower	Upper
84	100		
49	132.7	124.4	186.6
51	53.2	37.0	55.6
86	53.7	50.9	76.3



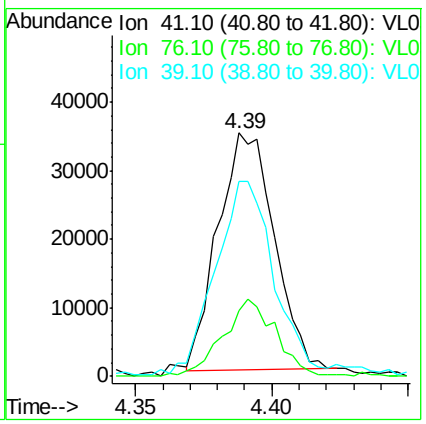


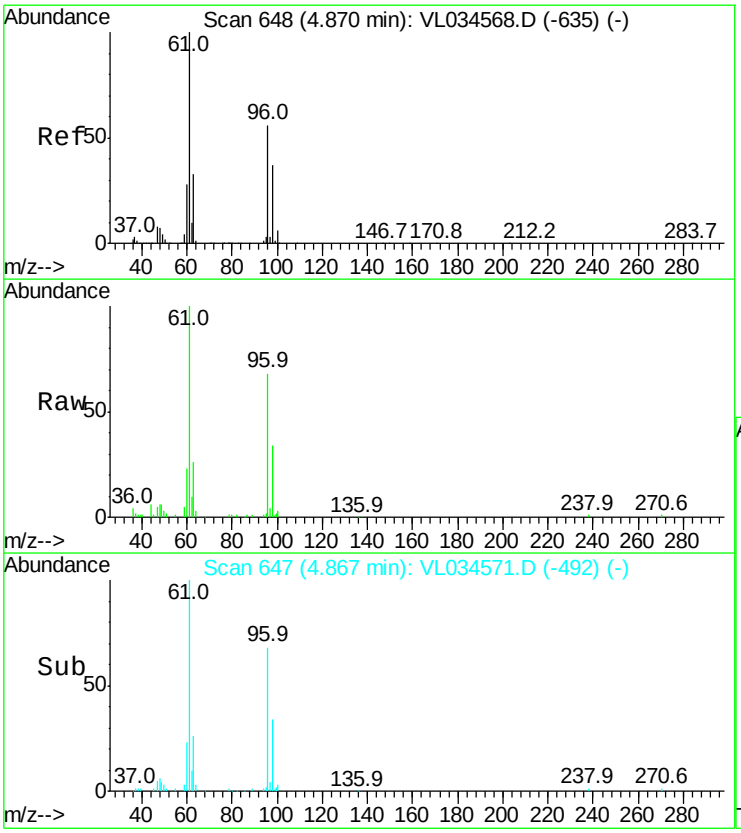
#21
Allyl Chloride
Concen: 0.517 ppbv
RT: 4.39 min Scan# 498
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 41 Resp: 49693

Ion	Ratio	Lower	Upper
41	100		
76	31.0	24.2	36.4
39	88.1	65.8	98.6

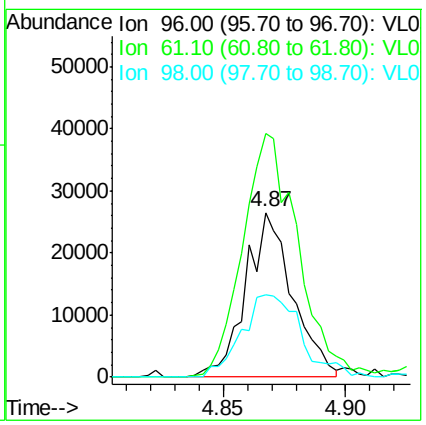


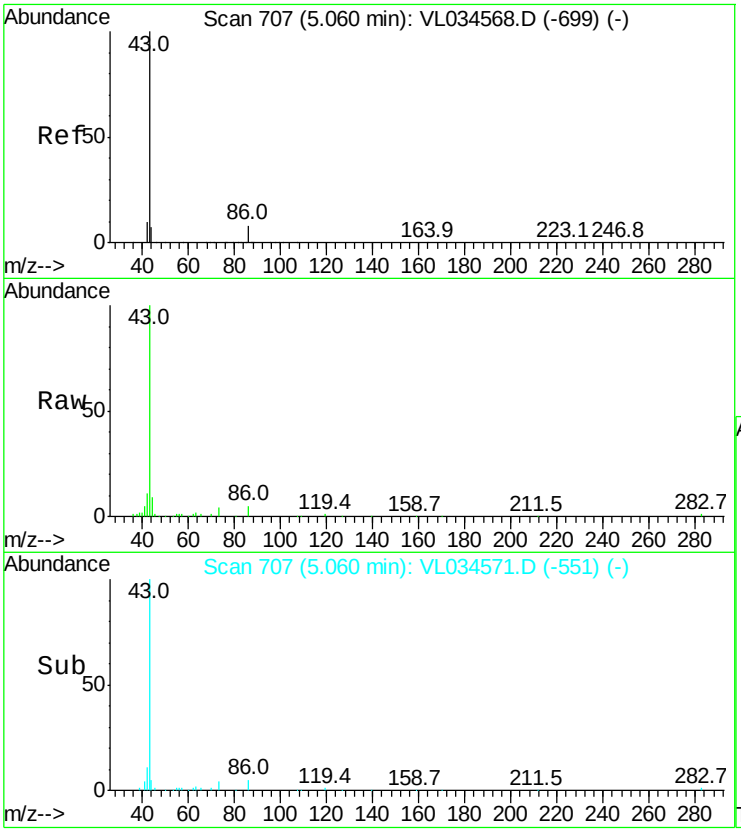


#22
trans-1,2-Dichloroethene
Concen: 0.597 ppbv
RT: 4.87 min Scan# 647
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 96 Resp: 35227

Ion	Ratio	Lower	Upper
96	100		
61	147.8	128.4	192.6
98	50.0	50.6	75.8#



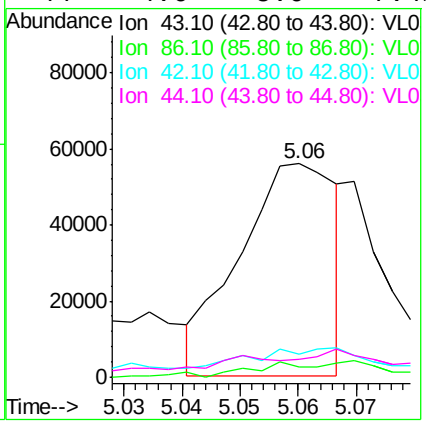


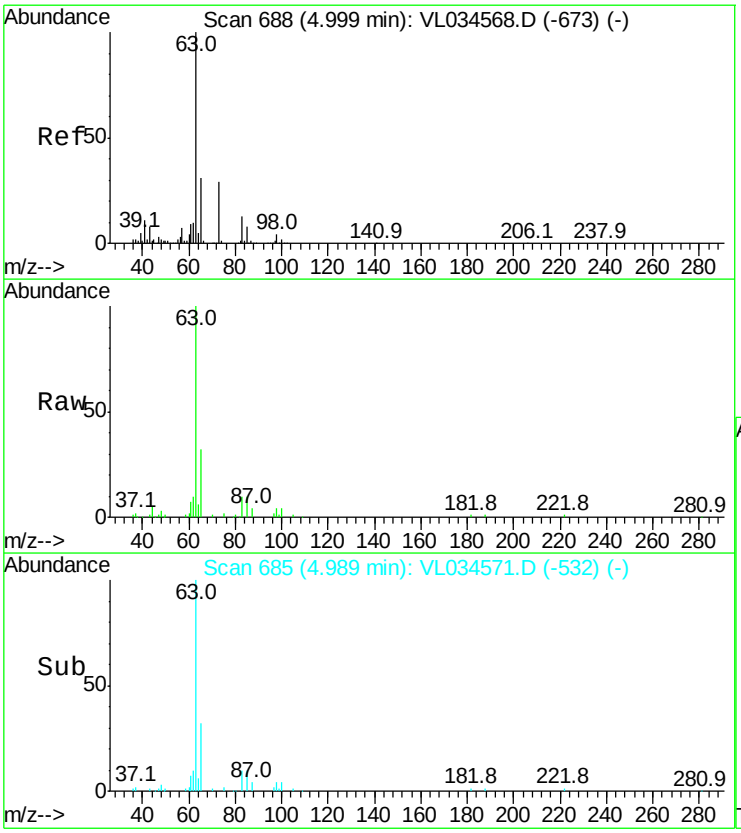
#23
Vinyl Acetate
Concen: 0.334 ppbv
RT: 5.06 min Scan# 707
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 64460

Ion	Ratio	Lower	Upper
43	100		
86	3.1	5.4	8.2#
42	8.2	8.9	13.3#
44	4.6	5.0	7.4#

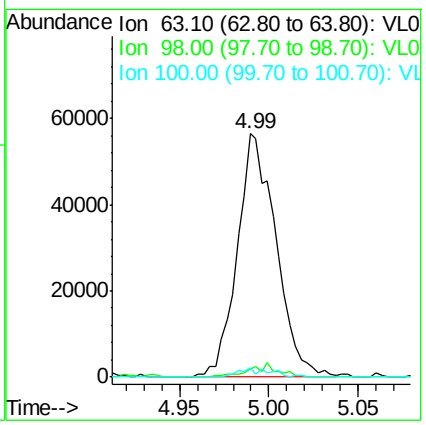


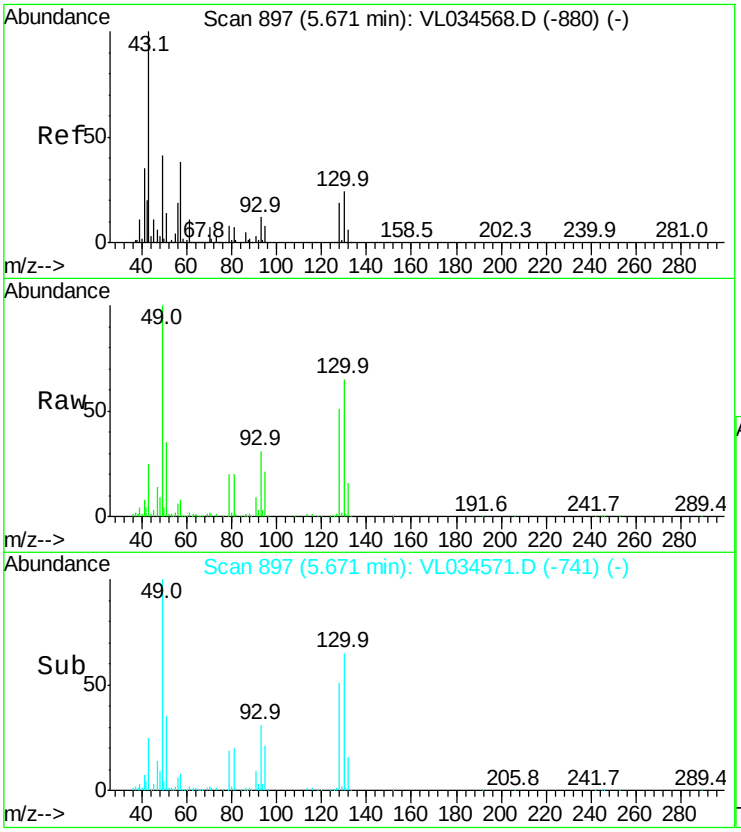


#24
1,1-Dichloroethane
Concen: 0.549 ppbv
RT: 4.99 min Scan# 685
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 63 Resp: 85263

Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.1	6.3
100	3.9	1.1	3.3#



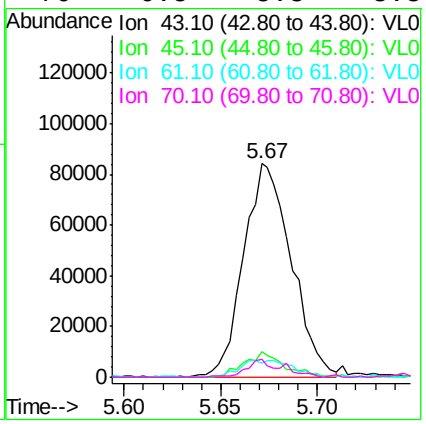


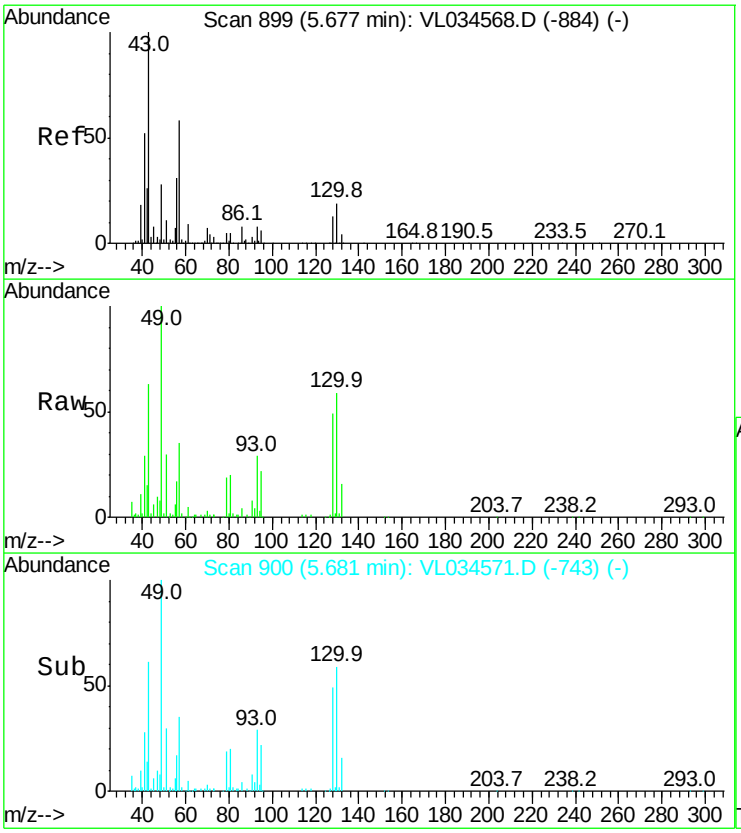
#25
Ethyl Acetate
Concen: 0.551 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 144116

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.3	12.5
61	9.4	7.8	11.6
70	6.5	5.8	8.8

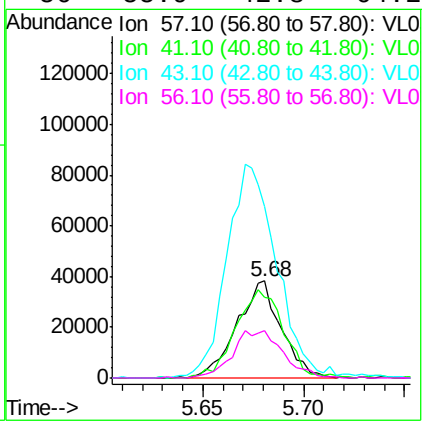


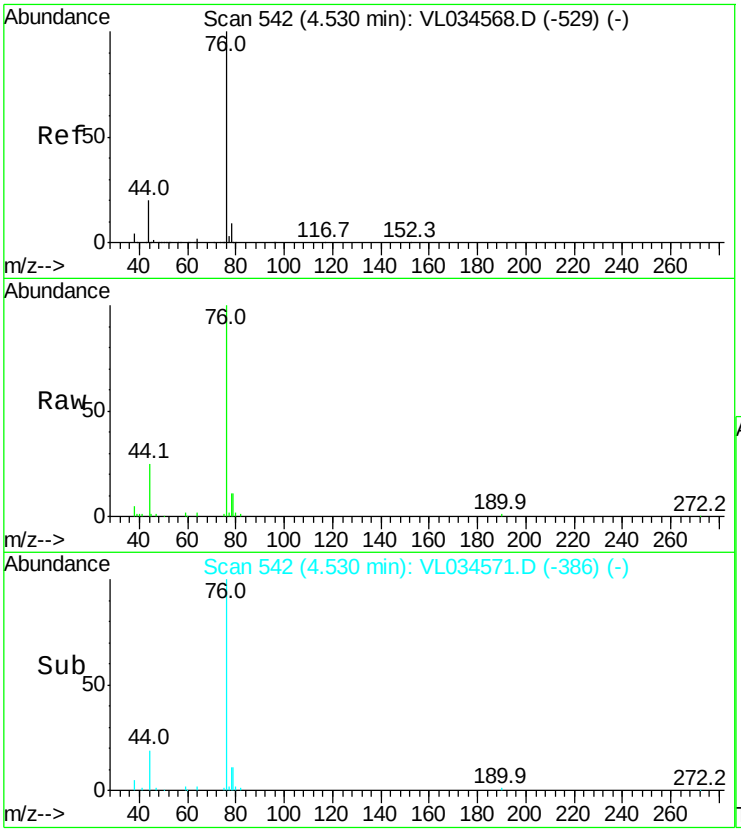


#26
Hexane
Concen: 0.532 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 57 Resp: 58552

Ion	Ratio	Lower	Upper
57	100		
41	100.4	75.3	112.9
43	251.6	189.4	284.2
56	55.9	42.8	64.2



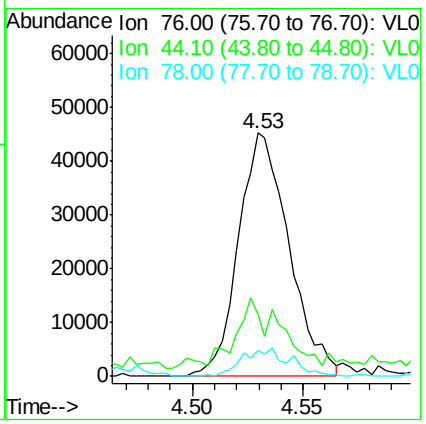


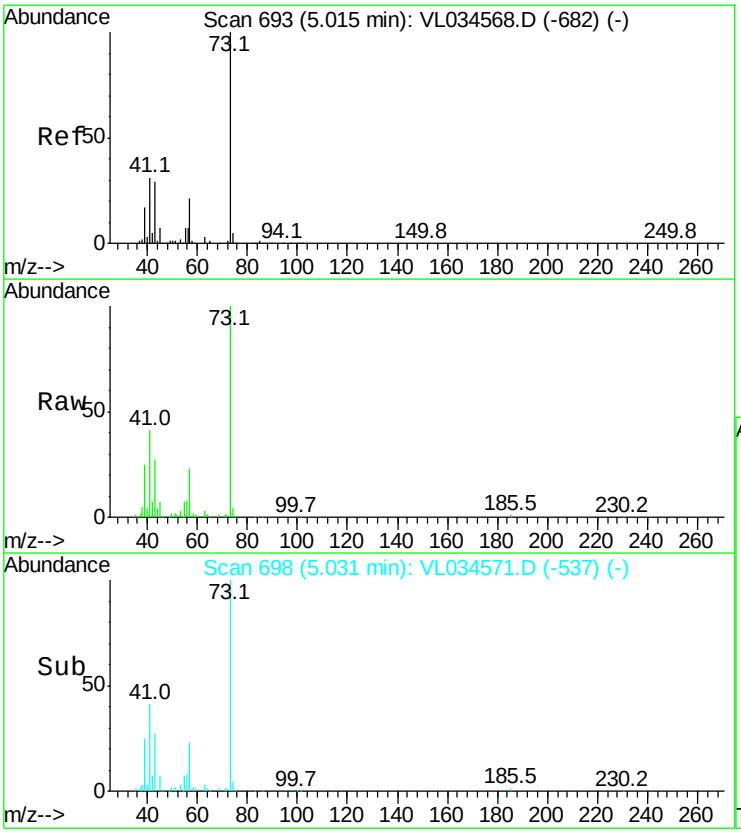
#27
Carbon Disulfide
Concen: 0.516 ppbv
RT: 4.53 min Scan# 542
Delta R.T. 0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 76 Resp: 71860

Ion	Ratio	Lower	Upper
76	100		
44	27.0	16.6	25.0#
78	11.2	7.4	11.0#

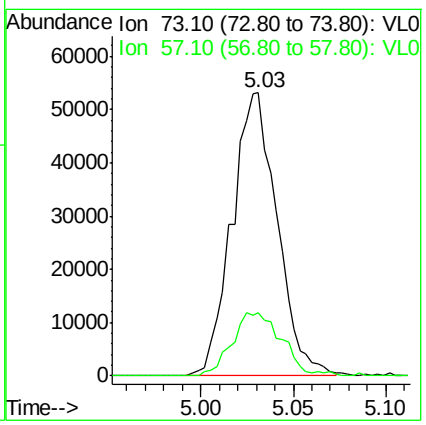


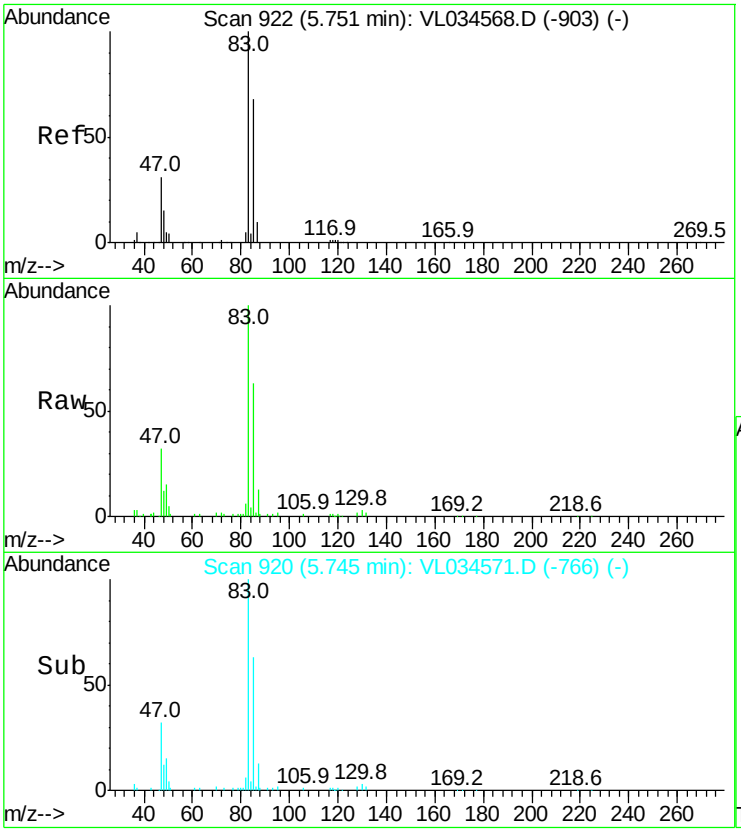


#28
Methyl tert-Butyl Ether
Concen: 0.489 ppbv
RT: 5.03 min Scan# 698
Delta R.T. 0.02 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 73 Resp: 89944

Ion	Ratio	Lower	Upper
73	100		
57	24.7	18.2	27.2



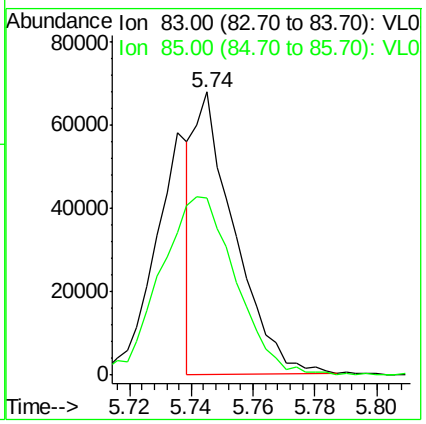


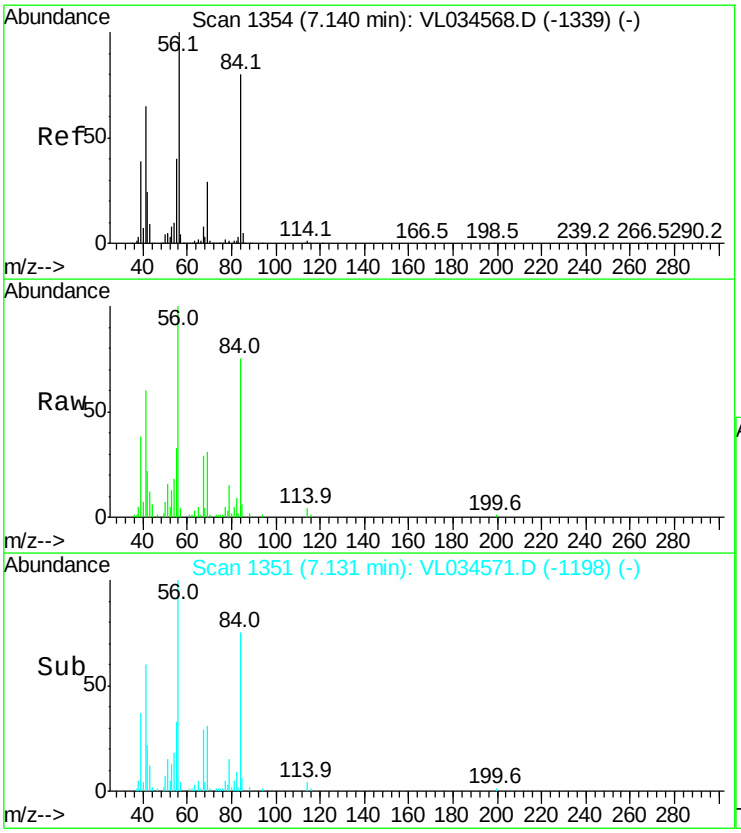
#29
Chloroform
Concen: 0.321 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 61168

Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.0	76.6

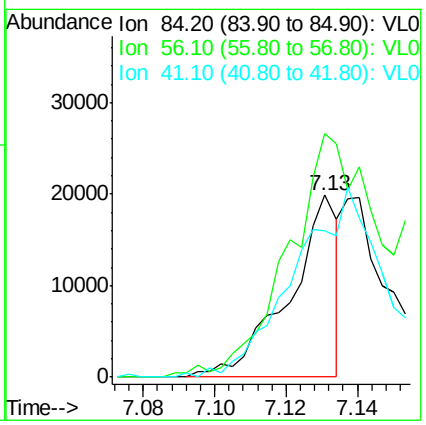


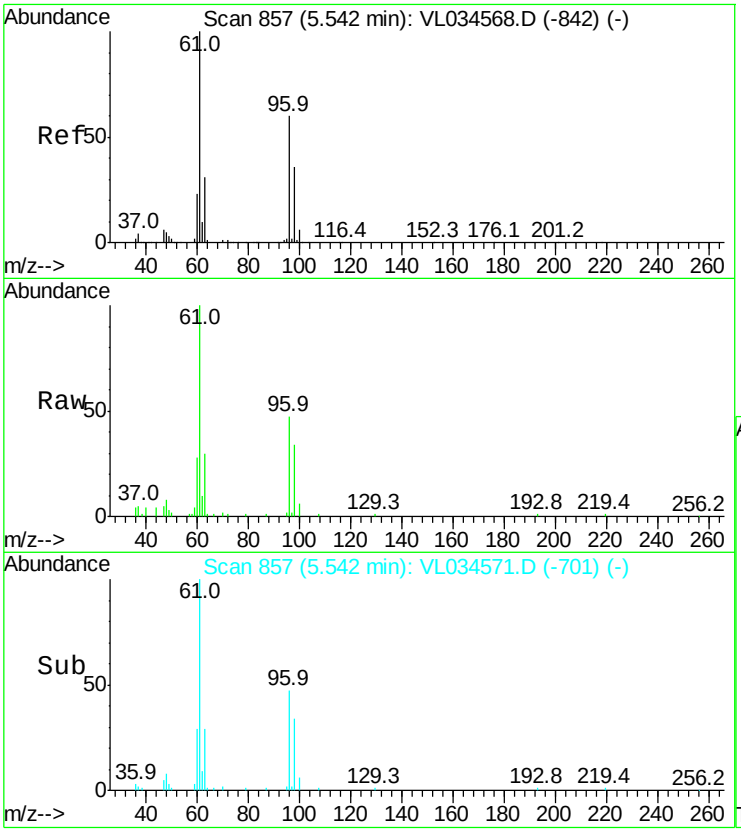


#30
Cyclohexane
Concen: 0.230 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 84 Resp: 18810

Ion	Ratio	Lower	Upper
84	100		
56	233.2	112.7	169.1#
41	0.0	73.0	109.4#



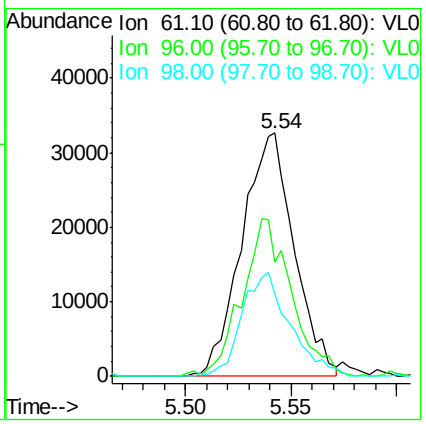


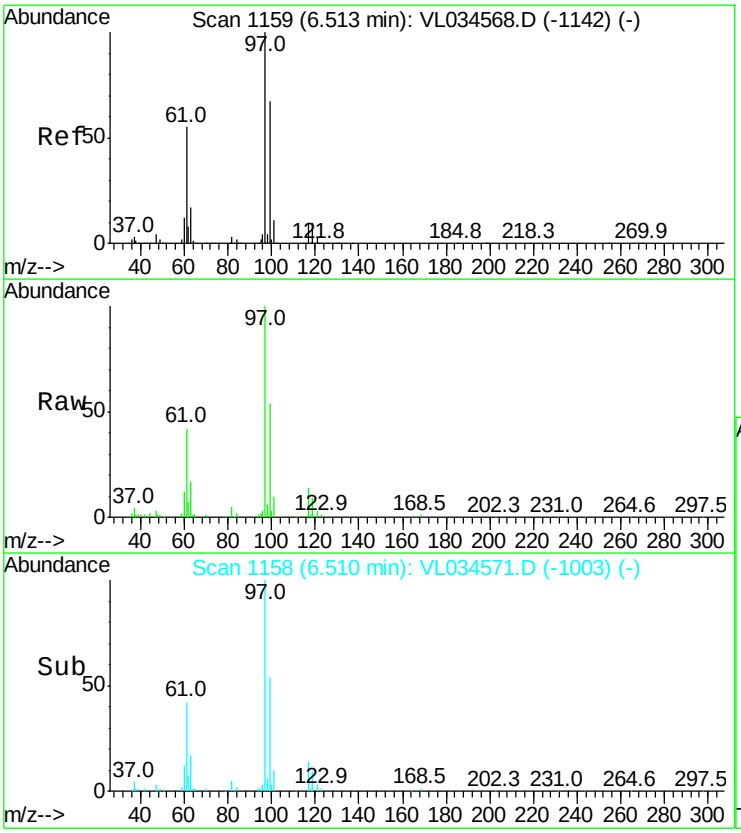
#31
cis-1,2-Dichloroethene
Concen: 0.503 ppbv
RT: 5.54 min Scan# 857
Delta R.T. 0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 61 Resp: 56434

Ion	Ratio	Lower	Upper
61	100		
96	45.6	47.1	70.7#
98	34.1	31.0	46.6

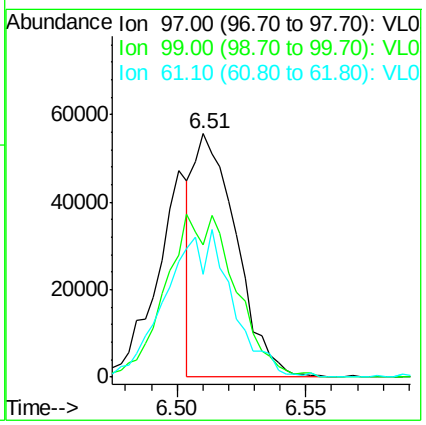


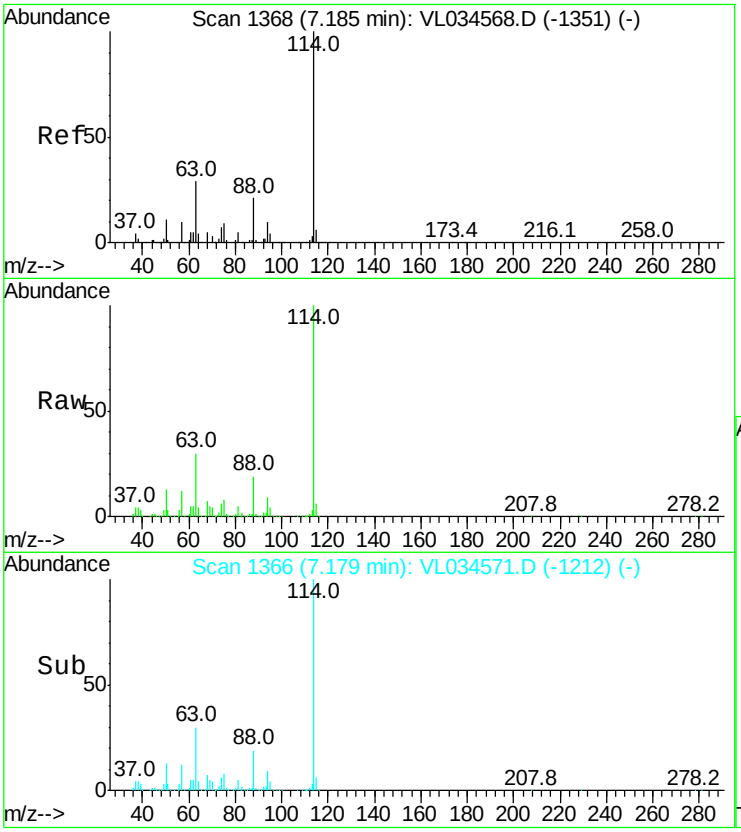


#32
1,1,1-Trichloroethane
Concen: 0.324 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 97 Resp: 64025

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.7	77.5#
61	92.8	42.9	64.3#



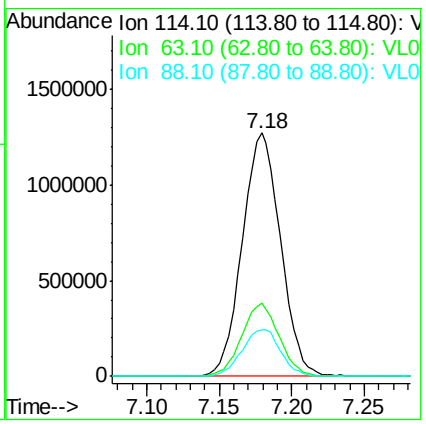


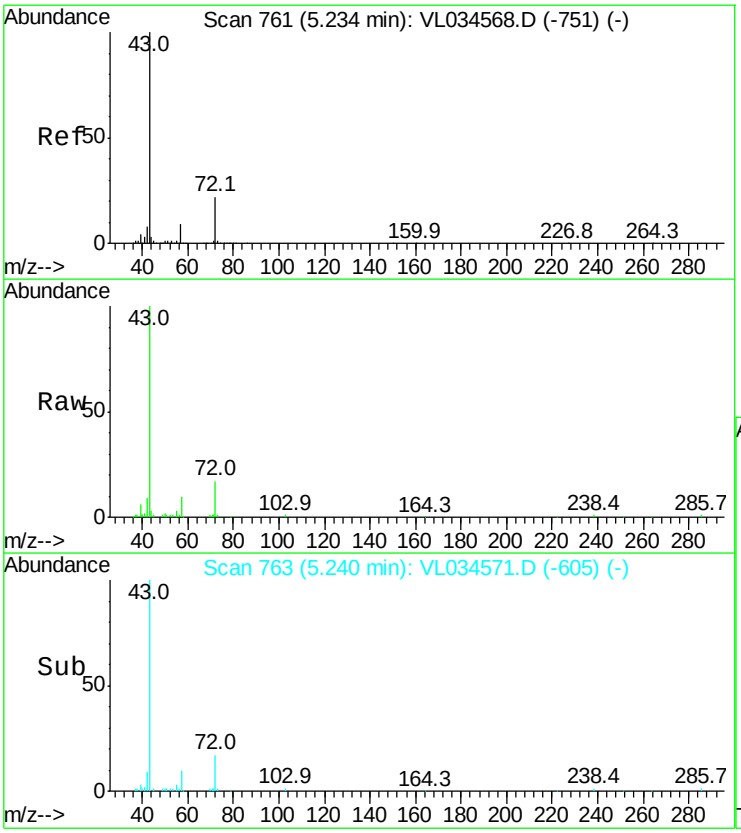
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 2333120

Ion	Ratio	Lower	Upper
114	100		
63	29.5	24.1	36.1
88	19.5	15.7	23.5

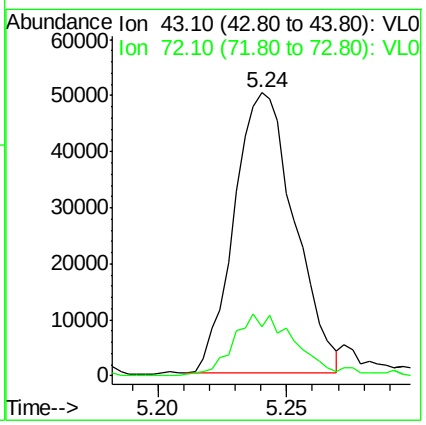


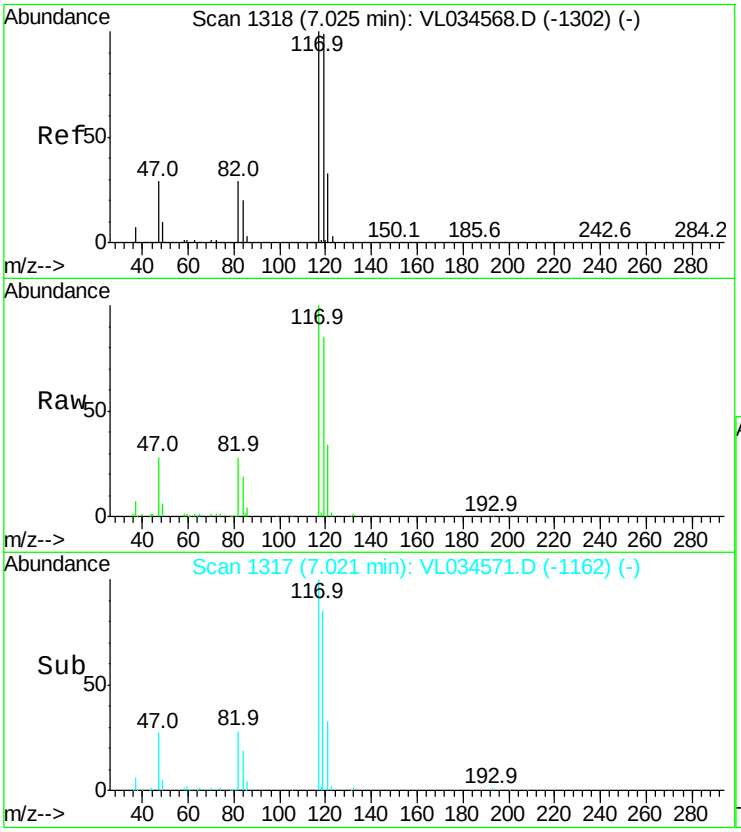


#34
2-Butanone
Concen: 0.490 ppbv
RT: 5.24 min Scan# 763
Delta R.T. 0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 43 Resp: 81662

Ion	Ratio	Lower	Upper
43	100		
72	23.6	17.0	25.4



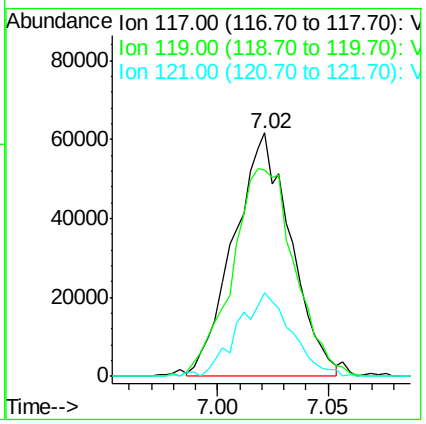


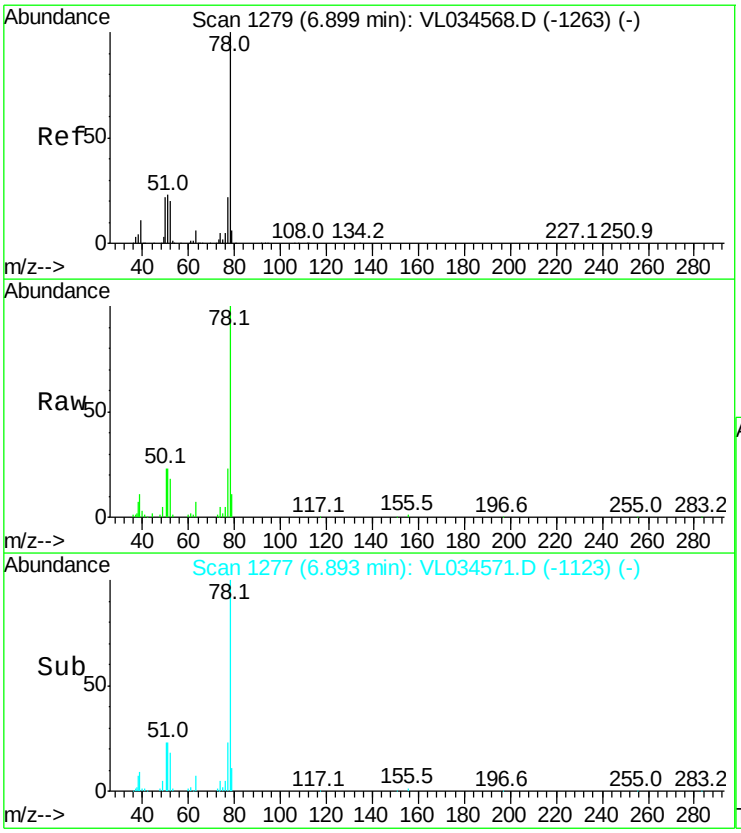
#35
Carbon Tetrachloride
Concen: 0.523 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:117 Resp: 110637

Ion	Ratio	Lower	Upper
117	100		
119	84.1	78.7	118.1
121	32.7	25.9	38.9

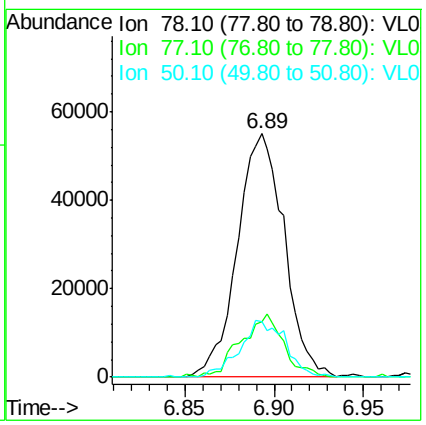


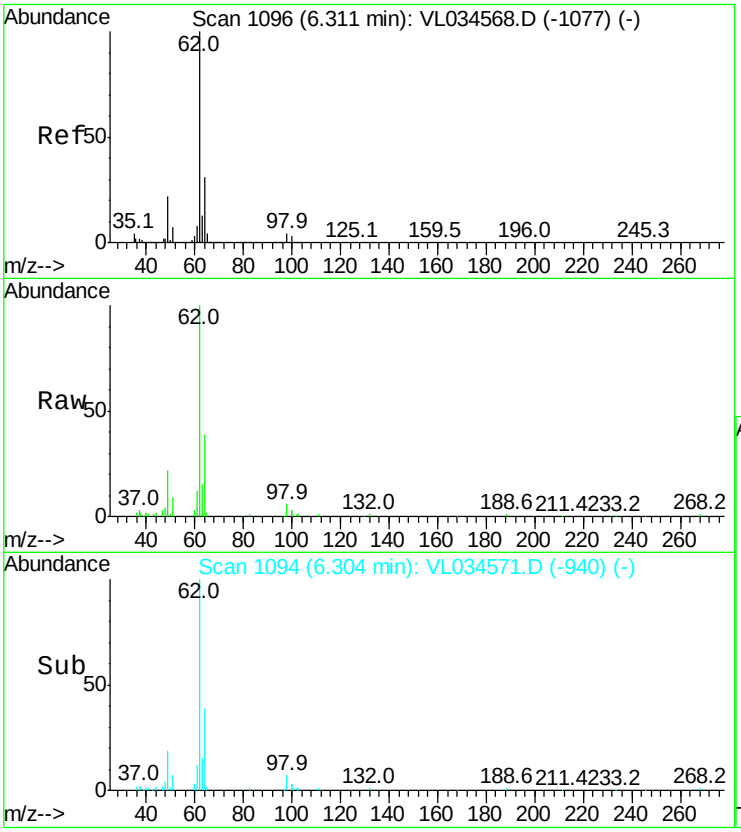


#36
Benzene
Concen: 0.497 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 78 Resp: 101017

Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	28.0
50	22.8	18.8	28.2



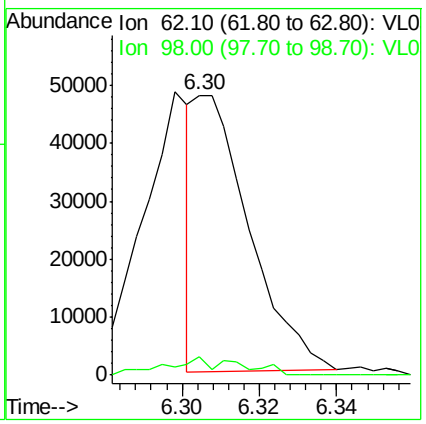


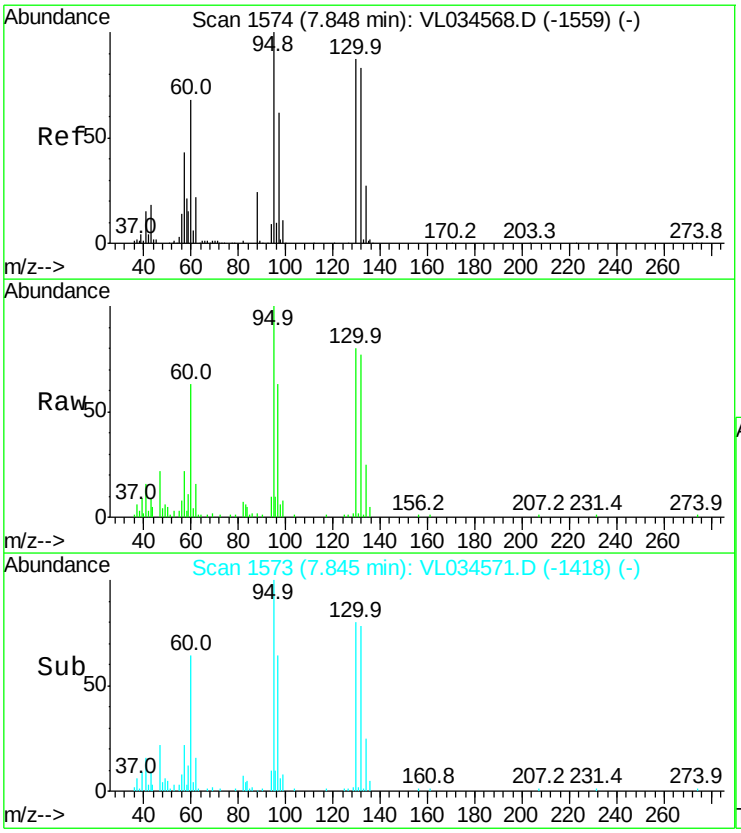
#37
1,2-Dichloroethane
Concen: 0.284 ppbv
RT: 6.30 min Scan# 1094
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 46888

Ion	Ratio	Lower	Upper
62	100		
98	8.7	3.8	5.6#

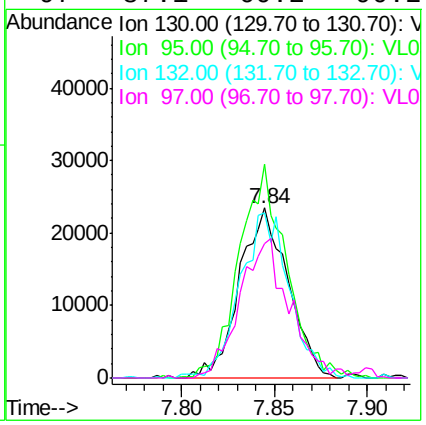


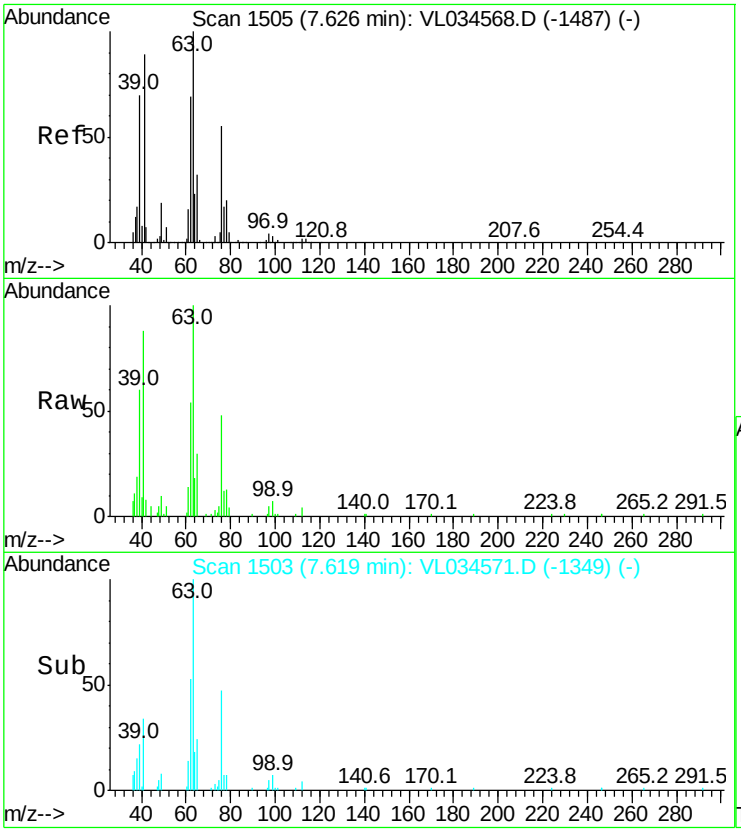


#38
Trichloroethene
Concen: 0.518 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion:130 Resp: 42580

Ion	Ratio	Lower	Upper
130	100		
95	124.8	94.2	141.2
132	95.7	76.1	114.1
97	87.1	60.2	90.2



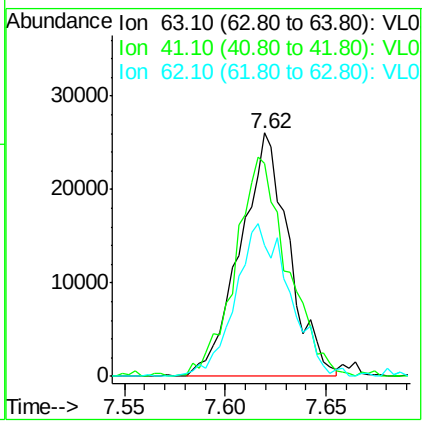


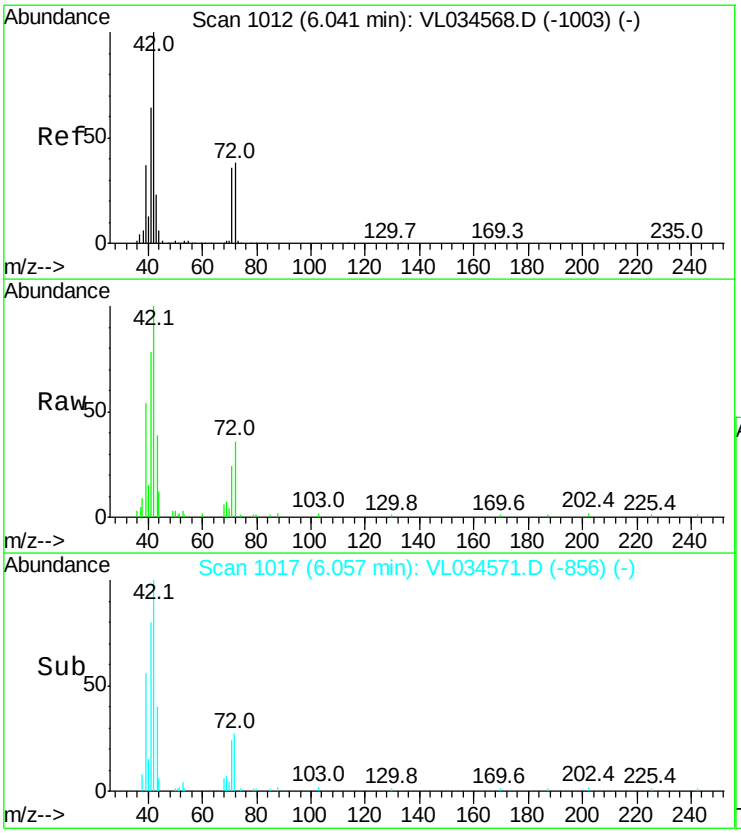
#39
1,2-Dichloropropane
Concen: 0.526 ppbv
RT: 7.62 min Scan# 1503
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 63 Resp: 44017

Ion	Ratio	Lower	Upper
63	100		
41	86.9	66.1	99.1
62	52.7	54.9	82.3#

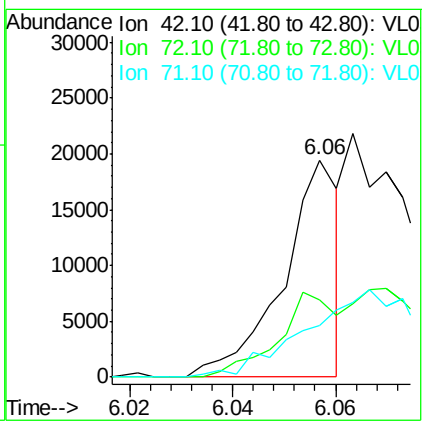


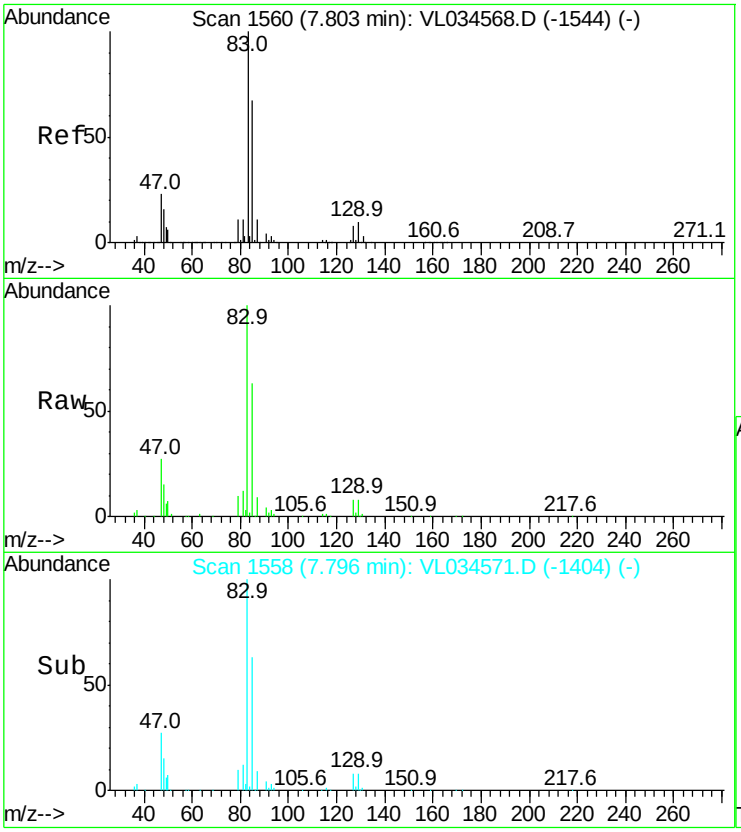


#41
Tetrahydrofuran
Concen: 0.171 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. 0.02 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 42 Resp: 14612

Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.9	46.3#
71	0.0	28.9	43.3#



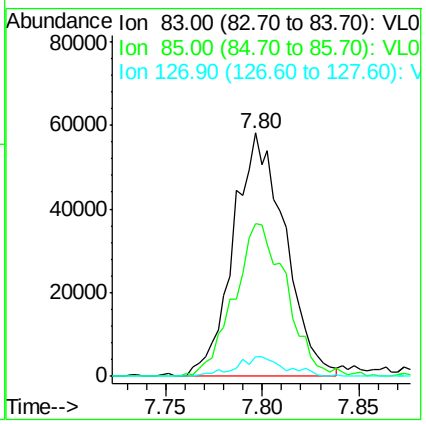


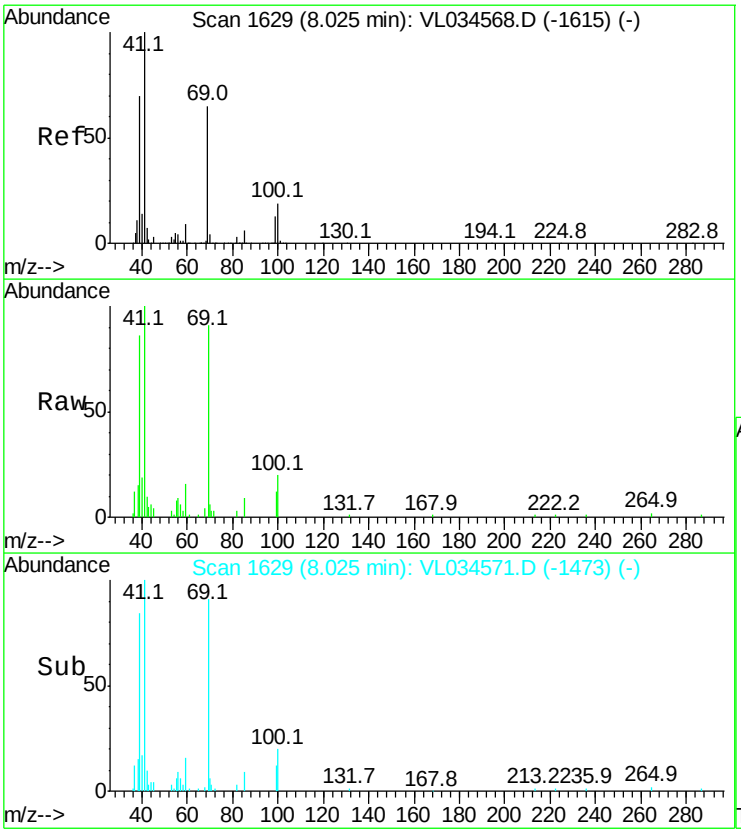
#42
Bromodichloromethane
Concen: 0.532 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 108162

Ion	Ratio	Lower	Upper
83	100		
85	61.9	49.4	74.2
127	8.2	6.2	9.4

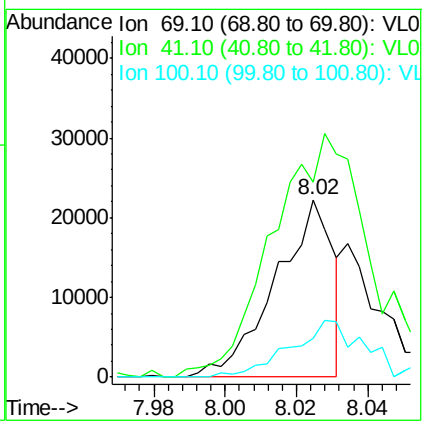


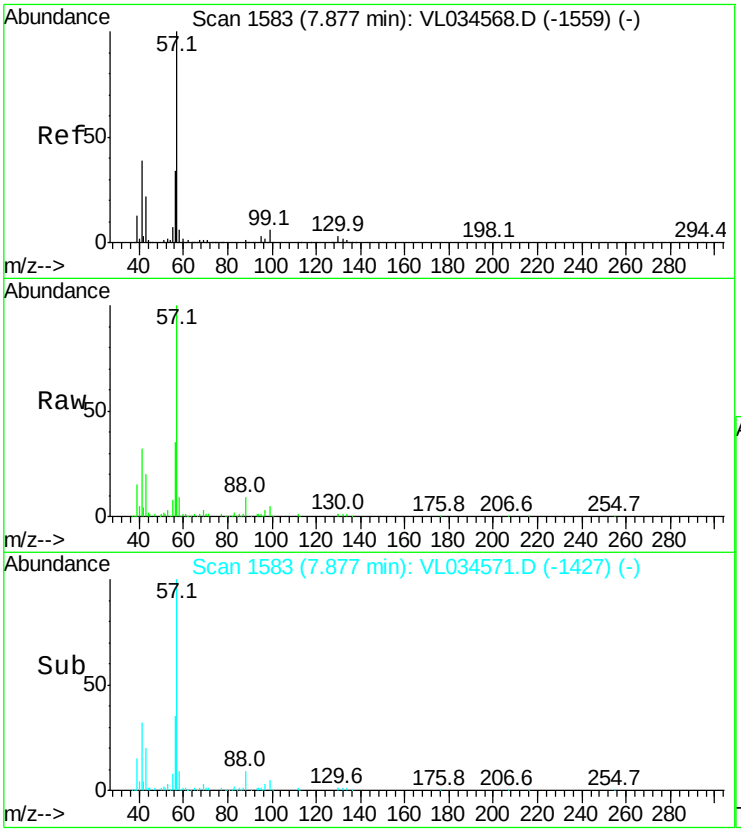


#43
Methyl Methacrylate
Concen: 0.299 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 69 Resp: 24797

Ion	Ratio	Lower	Upper
69	100		
41	237.7	124.0	186.0#
100	42.8	23.1	34.7#



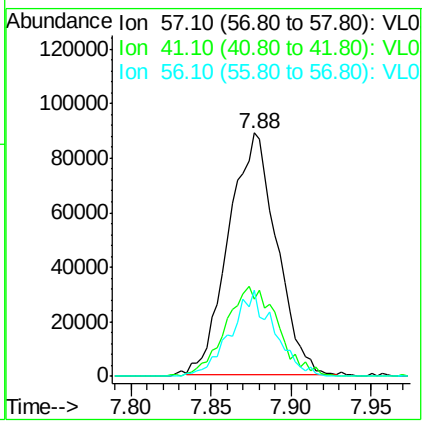


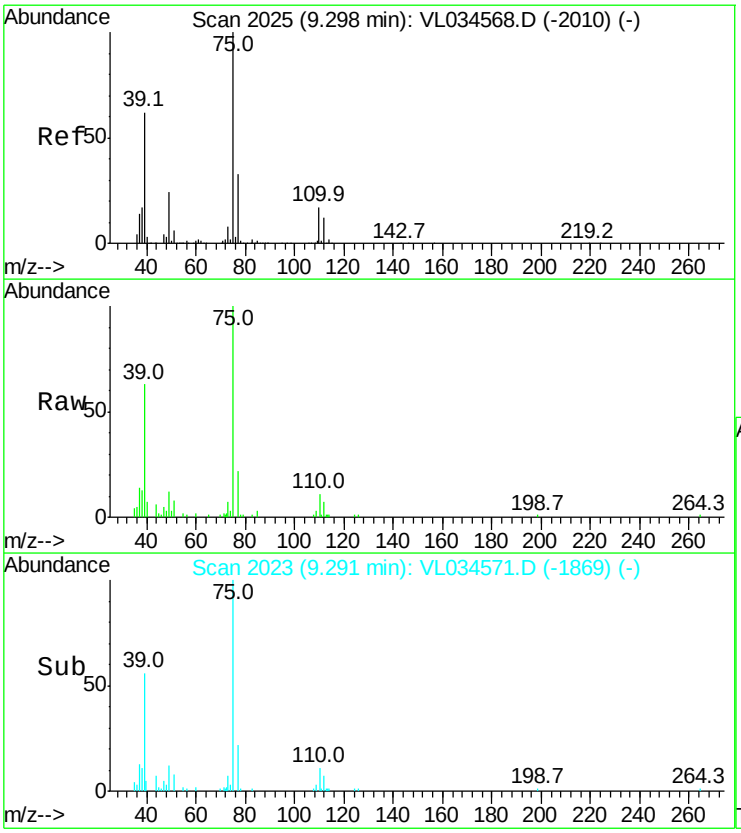
#44
2,2,4-Trimethylpentane
Concen: 0.480 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 57 Resp: 180768

Ion	Ratio	Lower	Upper
57	100		
41	41.0	29.0	43.4
56	32.4	24.9	37.3

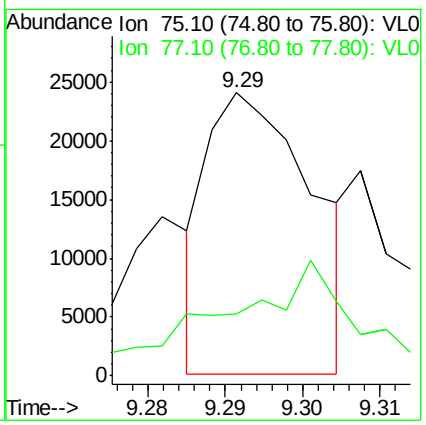


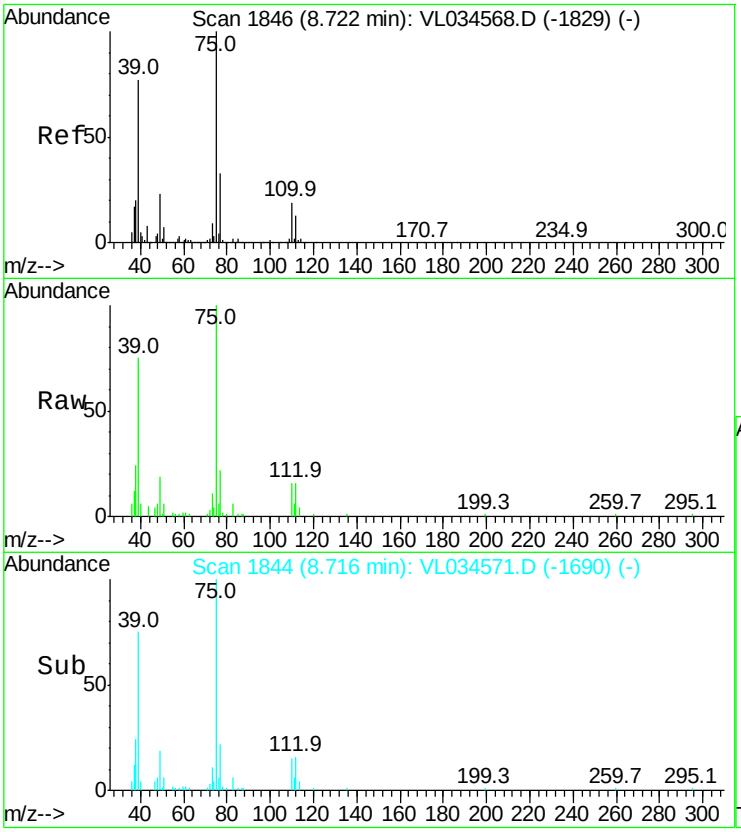


#45
t-1,3-Dichloropropene
Concen: 0.210 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 75 Resp: 22465

Ion	Ratio	Lower	Upper
75	100		
77	23.0	24.2	36.2#



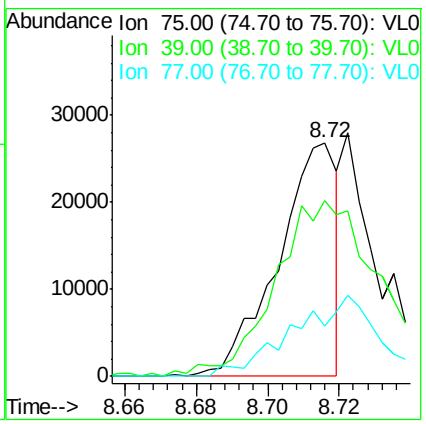


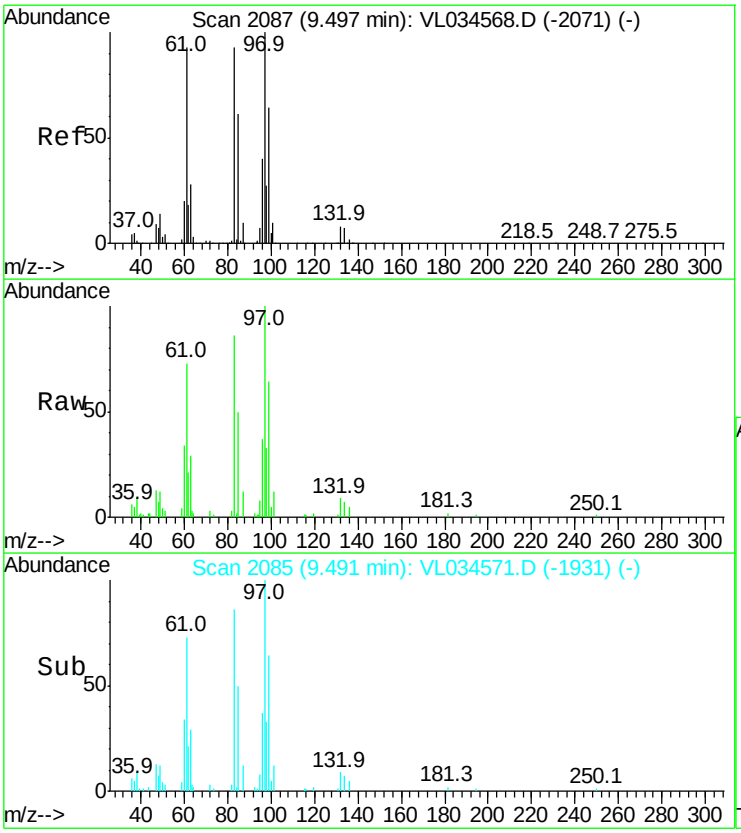
#46
cis-1,3-Dichloropropene
Concen: 0.252 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 75 Resp: 30776

Ion	Ratio	Lower	Upper
75	100		
39	74.1	60.5	90.7
77	21.6	24.8	37.2#

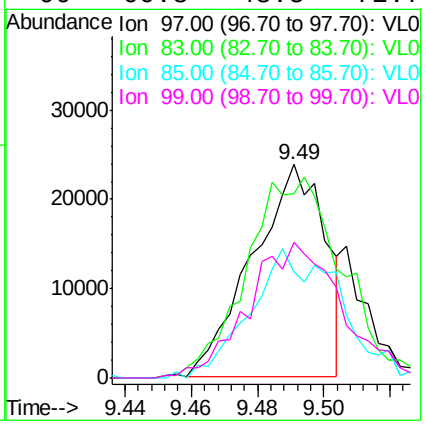


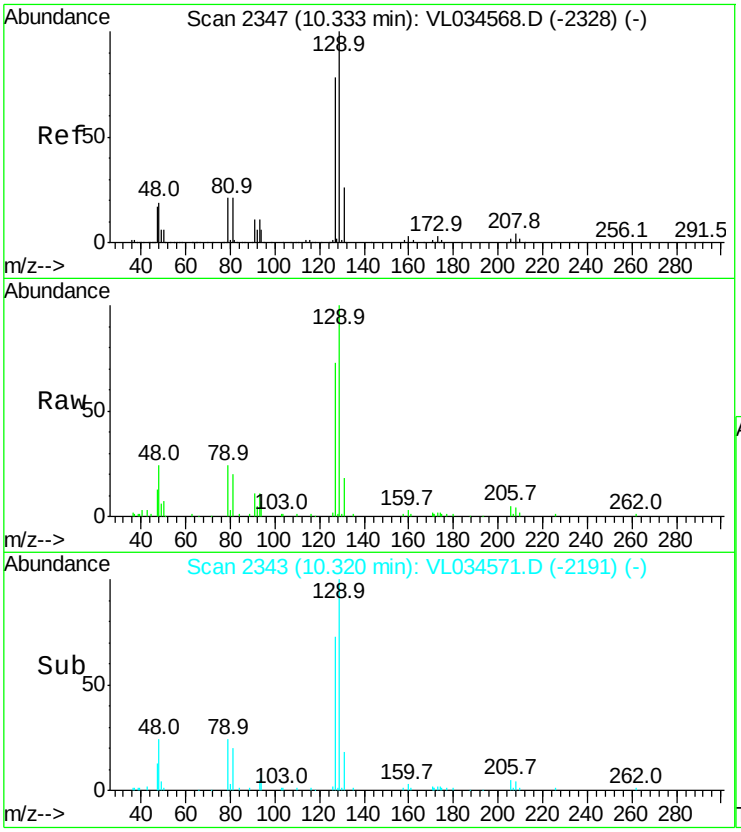


#47
1,1,2-Trichloroethane
Concen: 0.394 ppbv
RT: 9.49 min Scan# 2085
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 97 Resp: 36367

Ion	Ratio	Lower	Upper
97	100		
83	84.3	75.0	112.4
85	51.5	48.2	72.4
99	60.8	48.5	72.7



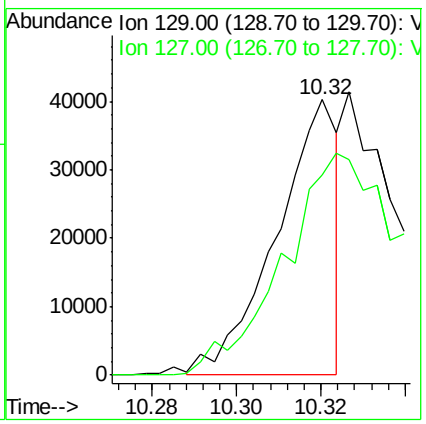


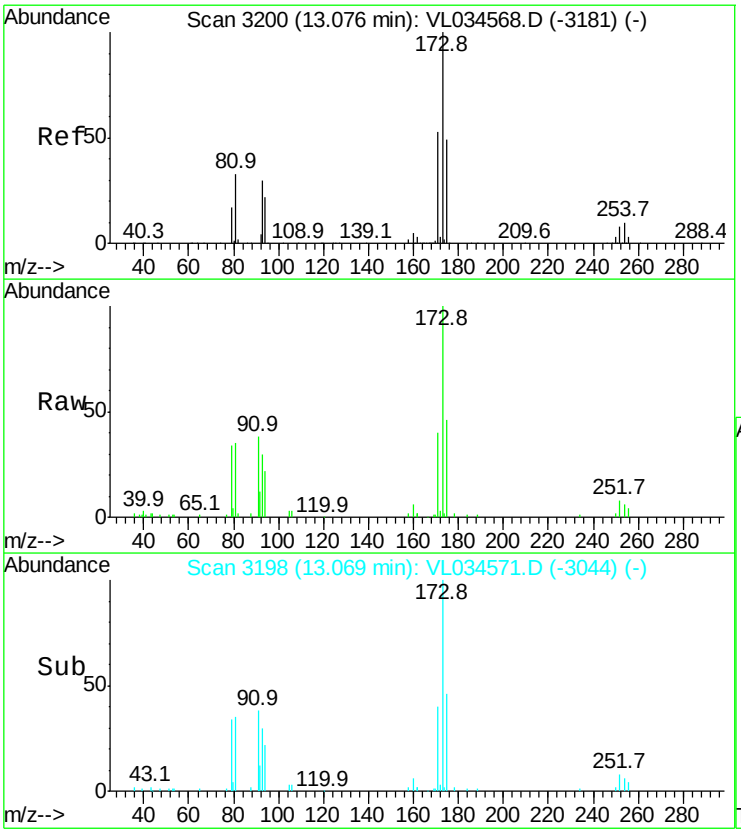
#48
Dibromochloromethane
Concen: 0.254 ppbv
RT: 10.32 min Scan# 2343
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:129 Resp: 40538

Ion	Ratio	Lower	Upper
129	100		
127	156.6	39.4	118.2#

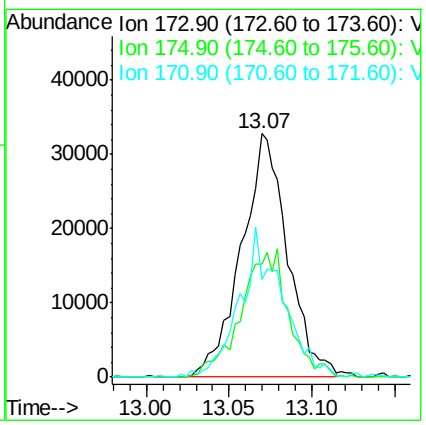


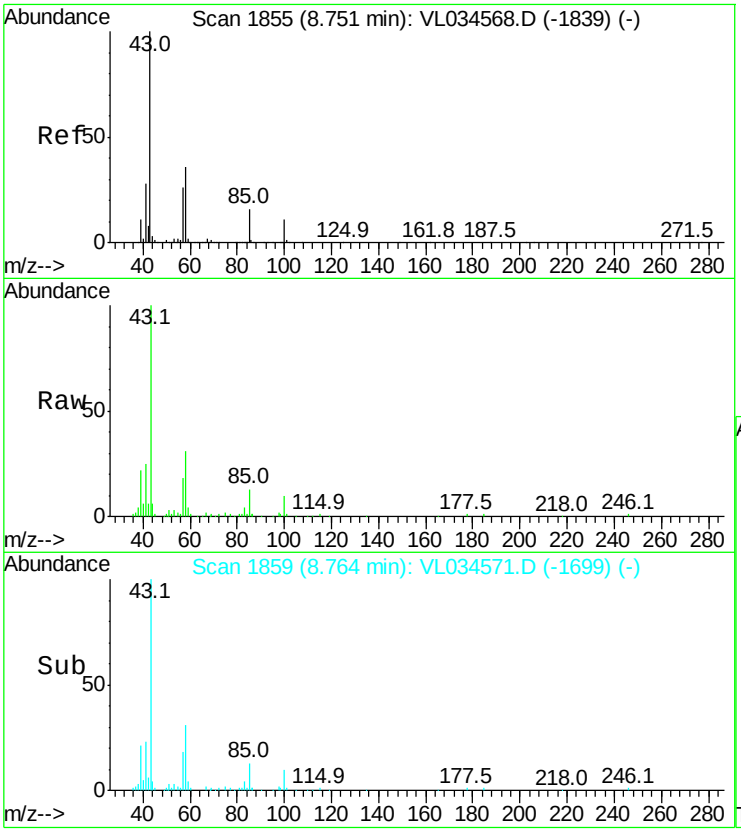


#49
Bromoform
Concen: 0.439 ppbv
RT: 13.07 min Scan# 3198
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion:173 Resp: 63513

Ion	Ratio	Lower	Upper
173	100		
175	53.9	39.8	59.8
171	56.6	42.1	63.1



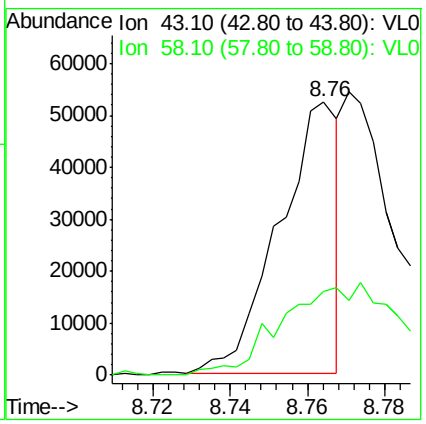


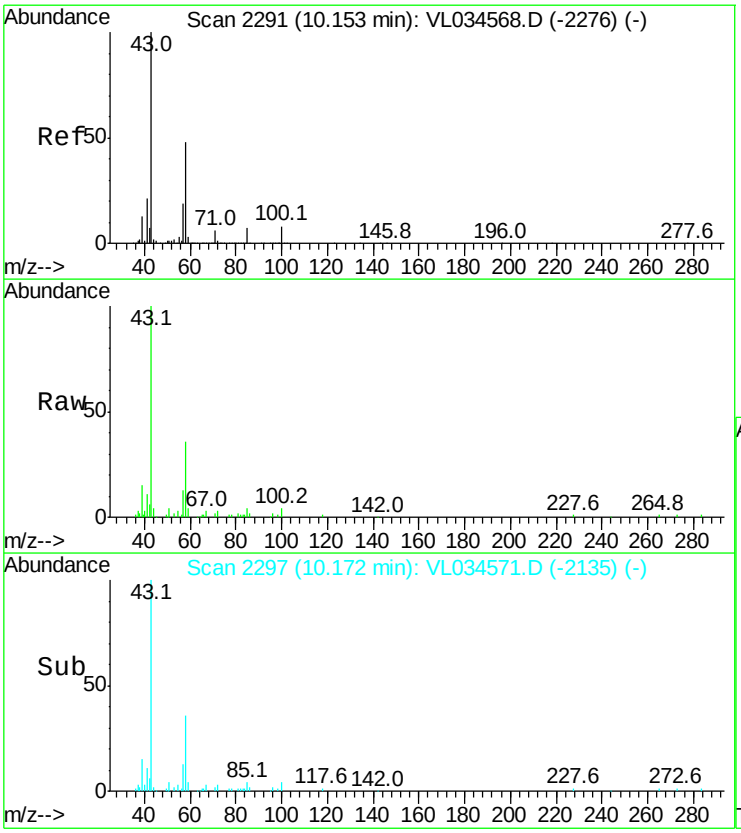
#50
4-Methyl-2-Pentanone
Concen: 0.230 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. 0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 55565

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.2	42.2#

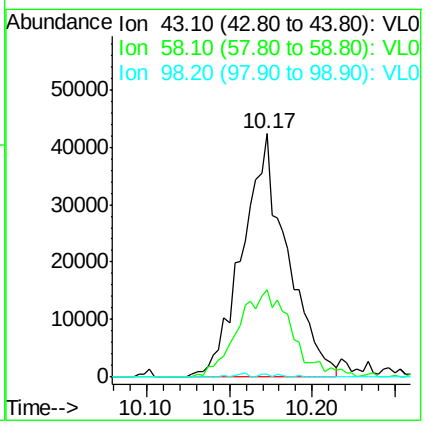


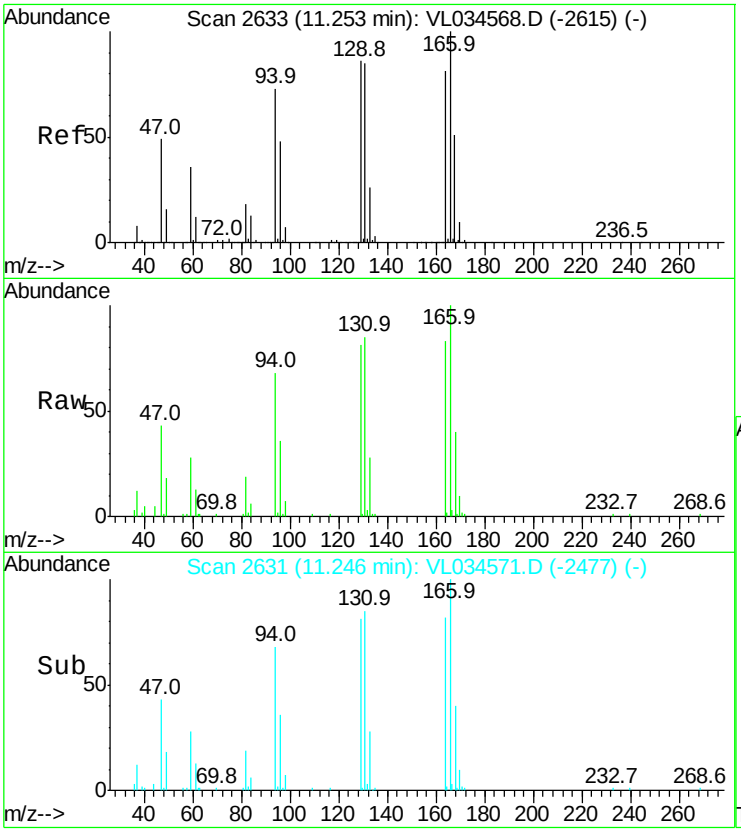


#51
2-Hexanone
Concen: 0.406 ppbv
RT: 10.17 min Scan# 2297
Delta R.T. 0.02 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 43 Resp: 79343

Ion	Ratio	Lower	Upper
43	100		
58	43.8	37.4	56.0
98	0.7	0.2	0.2#



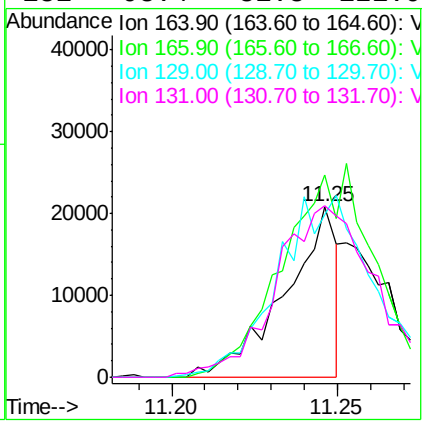


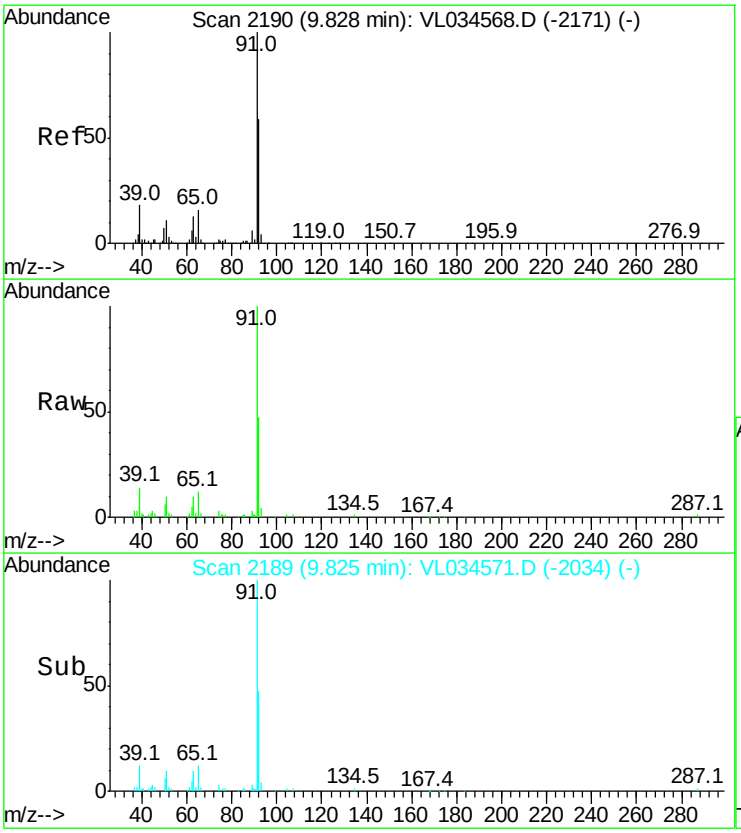
#52
Tetrachloroethene
Concen: 0.285 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:164 Resp: 22610

Ion	Ratio	Lower	Upper
164	100		
166	121.7	95.7	143.5
129	94.3	82.2	123.2
131	98.4	81.3	121.9

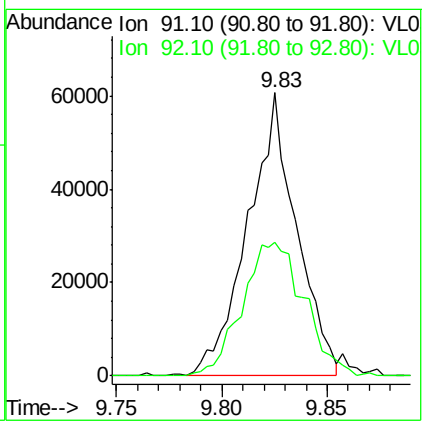


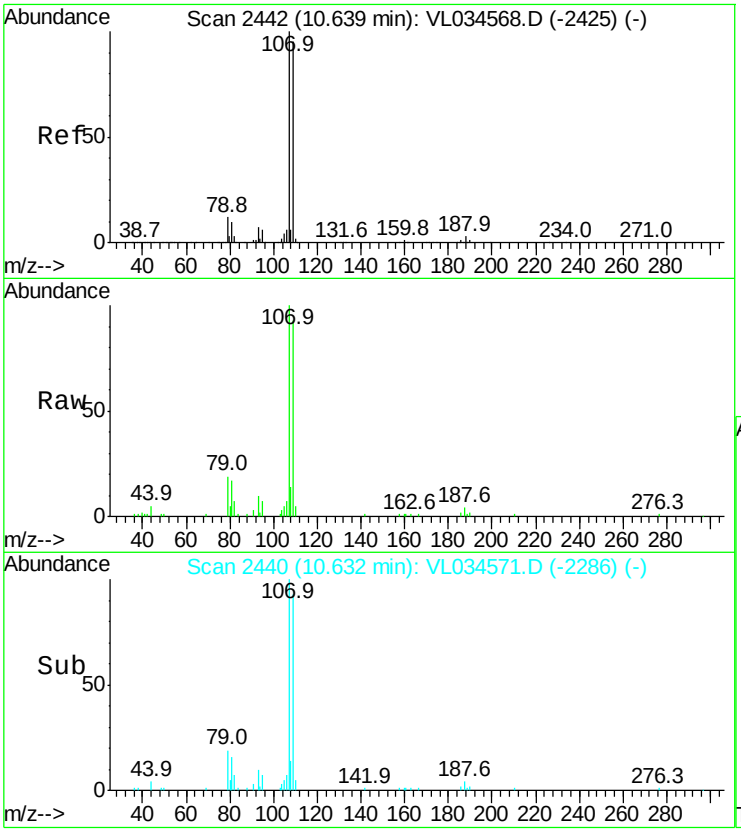


#53
Toluene
Concen: 0.432 ppbv
RT: 9.83 min Scan# 2189
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 91 Resp: 96557

Ion	Ratio	Lower	Upper
91	100		
92	60.5	48.4	72.6



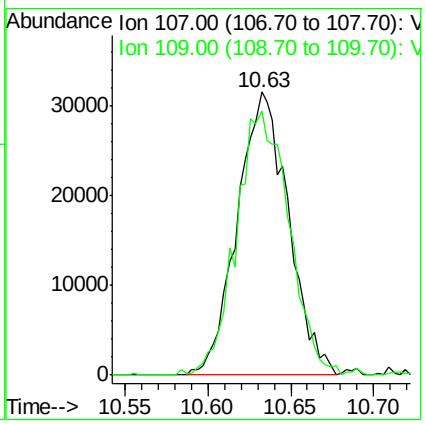


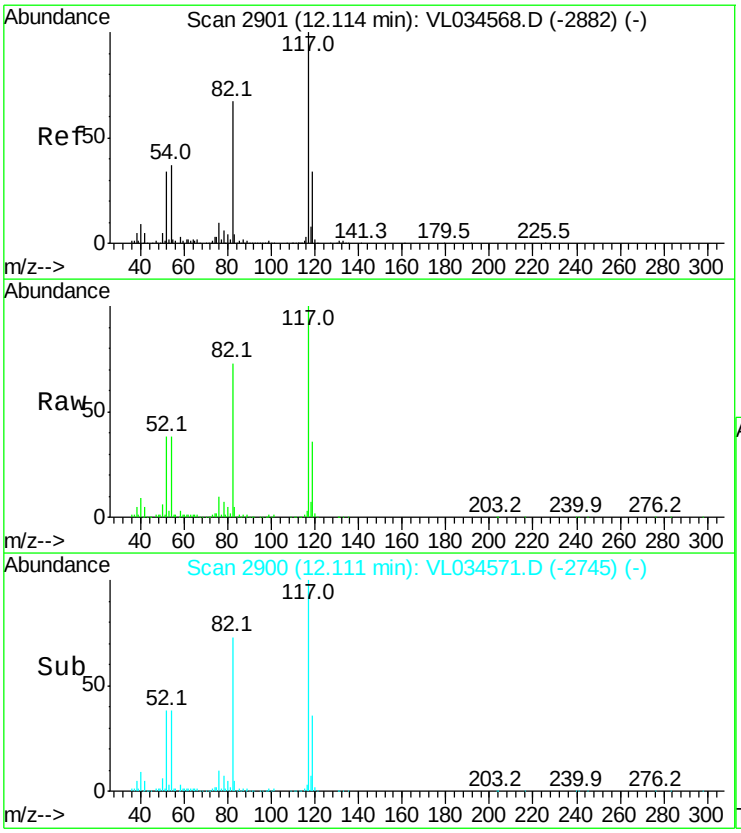
#54
1,2-Dibromoethane
Concen: 0.502 ppbv
RT: 10.63 min Scan# 2440
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:107 Resp: 67294

Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.5	113.3

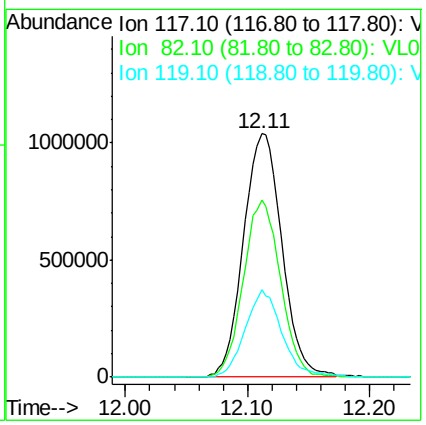


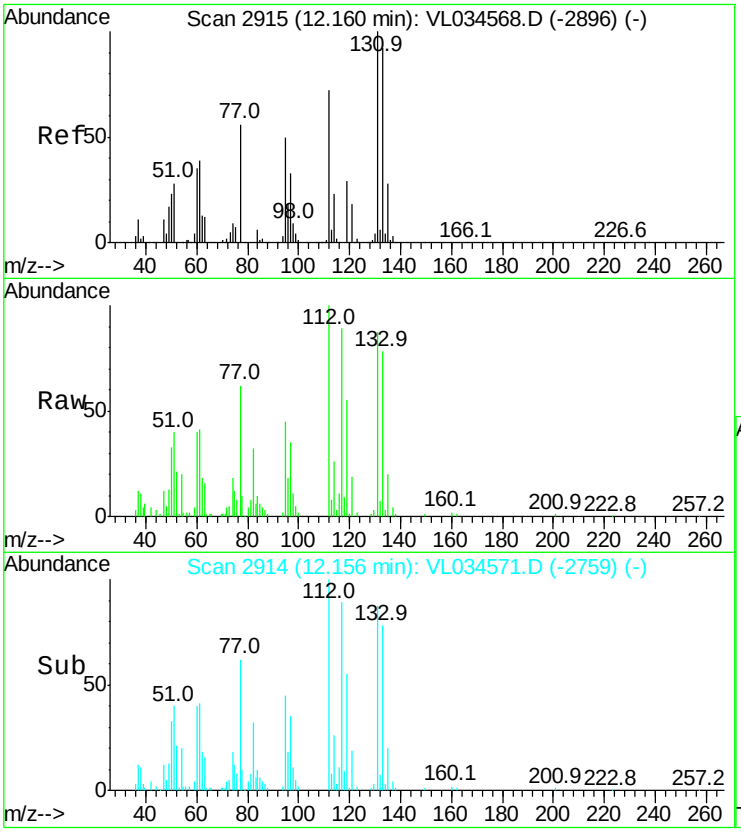


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion:117 Resp: 2267811

Ion	Ratio	Lower	Upper
117	100		
82	70.2	56.2	84.4
119	34.2	27.1	40.7



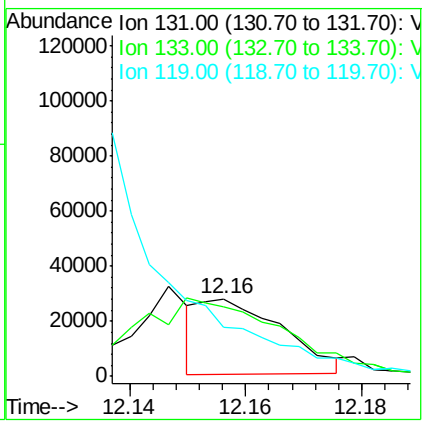


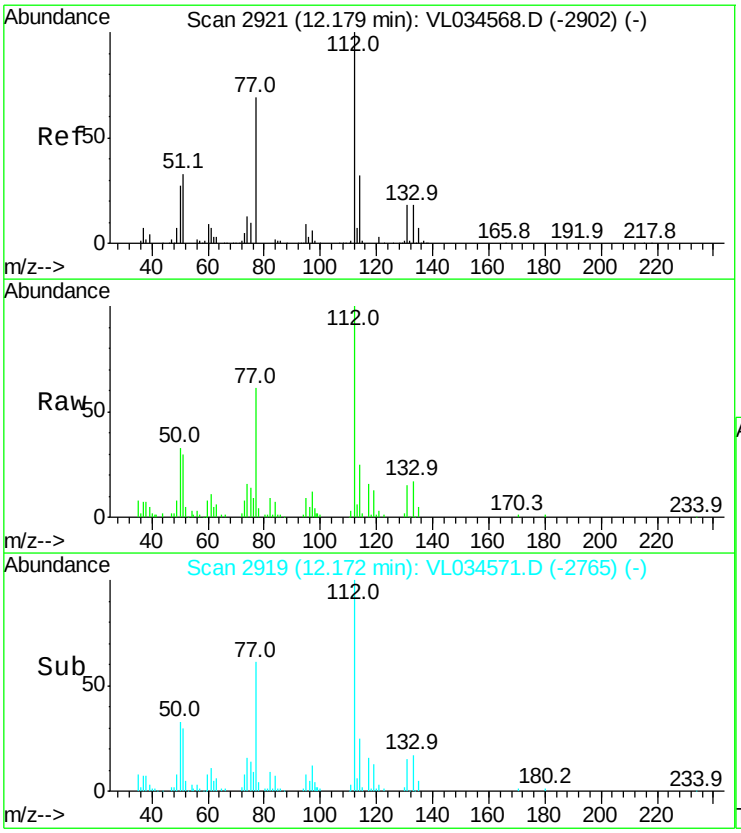
#56
1,1,1,2-Tetrachloroethane
Concen: 0.250 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:131 Resp: 27374

Ion	Ratio	Lower	Upper
131	100		
133	0.0	76.2	114.2#
119	0.0	47.1	70.7#

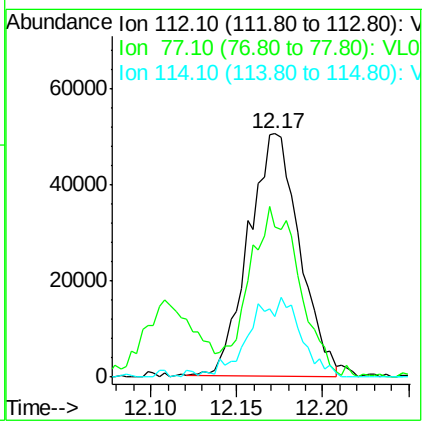


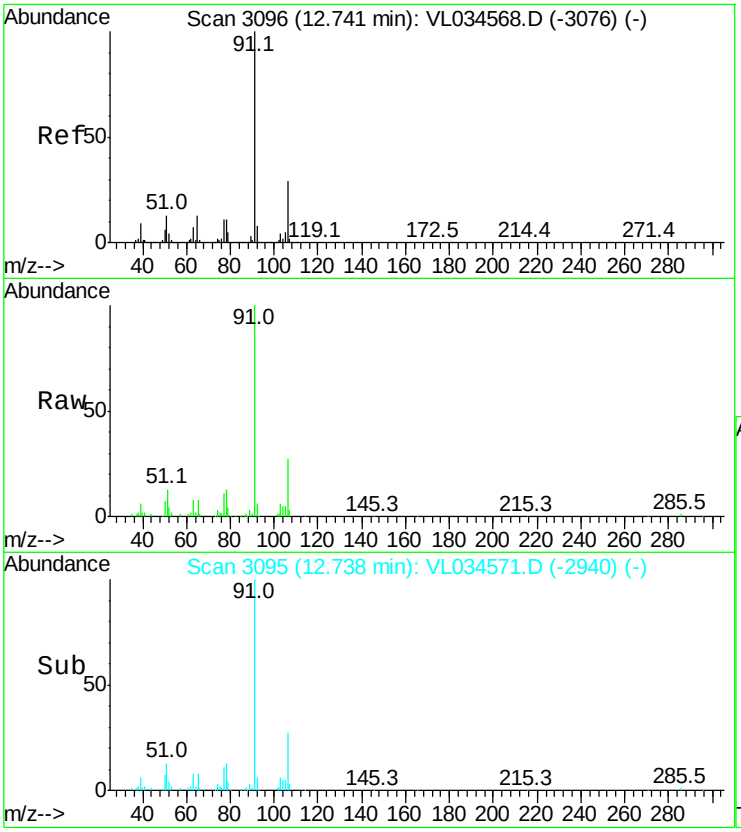


#57
Chlorobenzene
Concen: 0.552 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion:112 Resp: 103358

Ion	Ratio	Lower	Upper
112	100		
77	58.8	57.4	86.0
114	23.5	28.4	34.8#



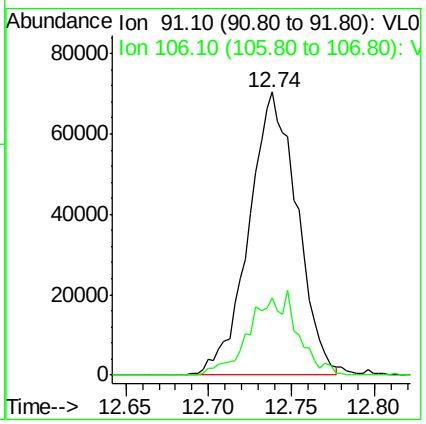


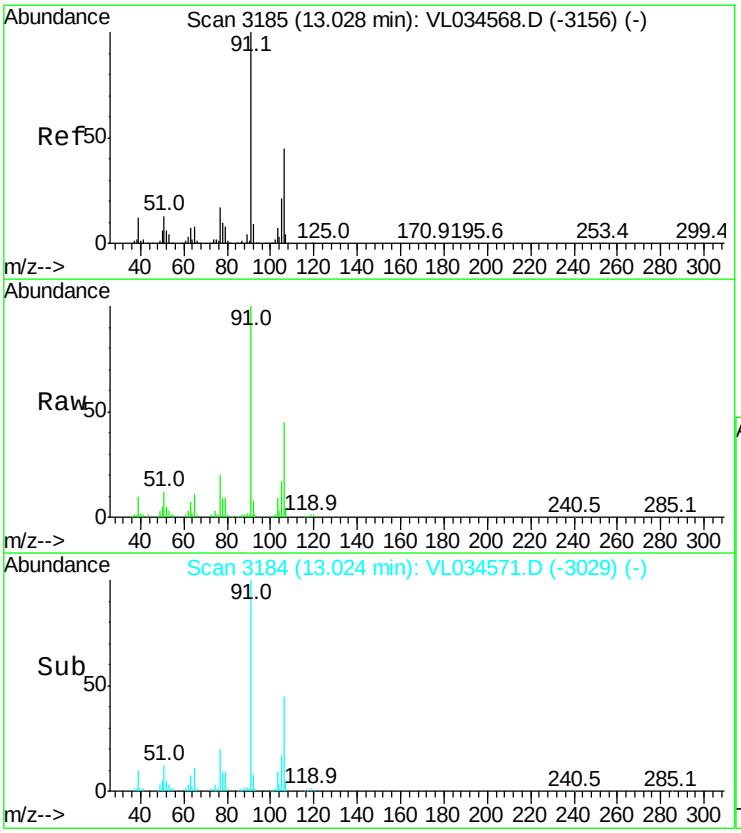
#58
Ethyl Benzene
Concen: 0.465 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 142339

Ion	Ratio	Lower	Upper
91	100		
106	27.3	24.6	36.8

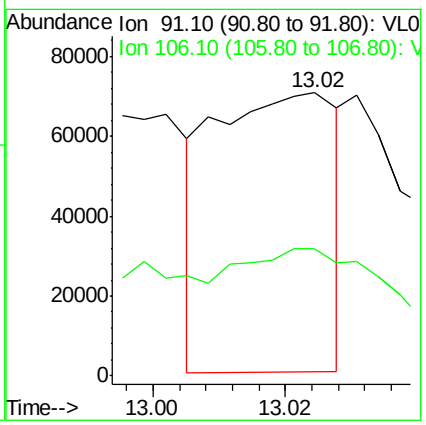


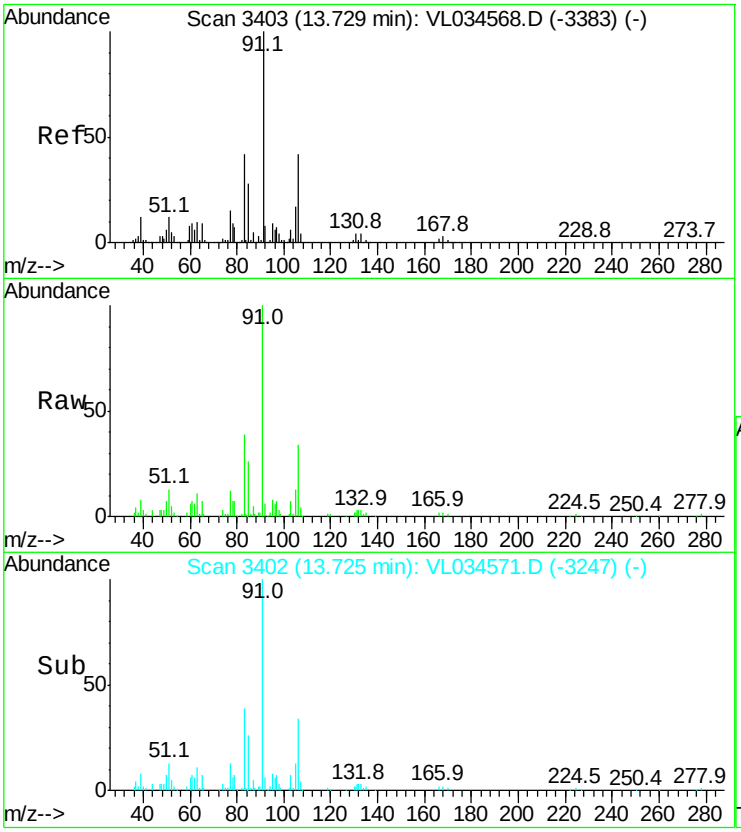


#59
m/p-Xylene
Concen: 0.335 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 91 Resp: 89583

Ion	Ratio	Lower	Upper
91	100		
106	124.6	35.6	53.4#



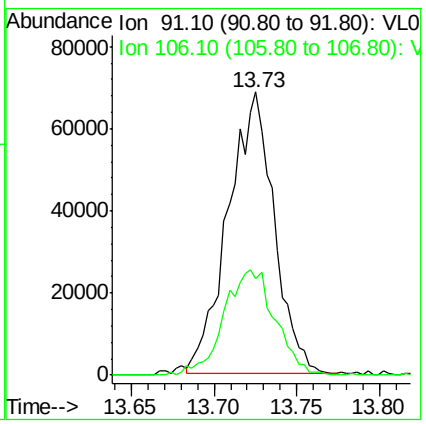


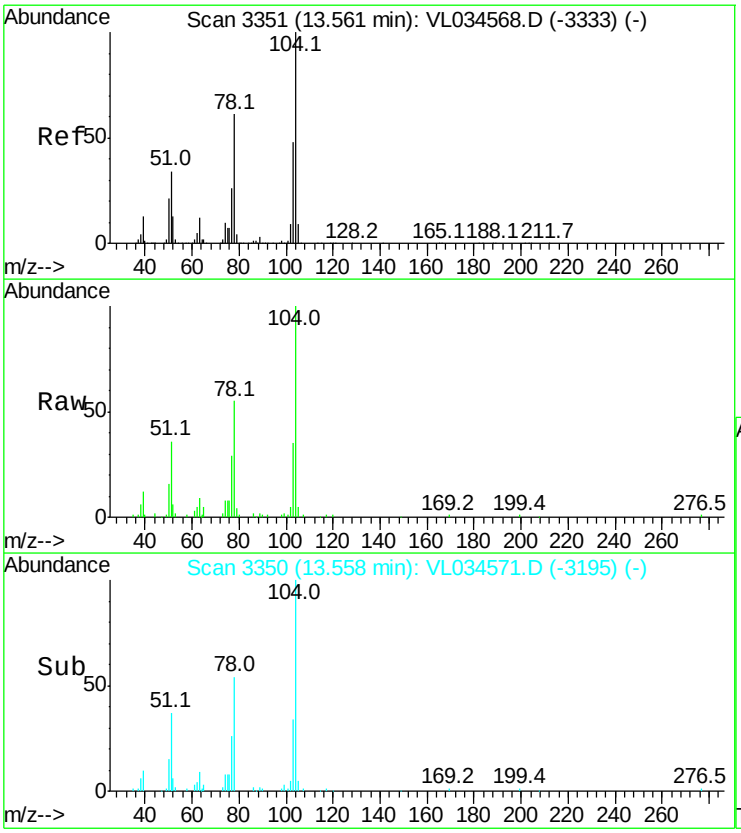
#60
o-Xylene
Concen: 0.495 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 132844

Ion	Ratio	Lower	Upper
91	100		
106	41.3	21.4	64.3

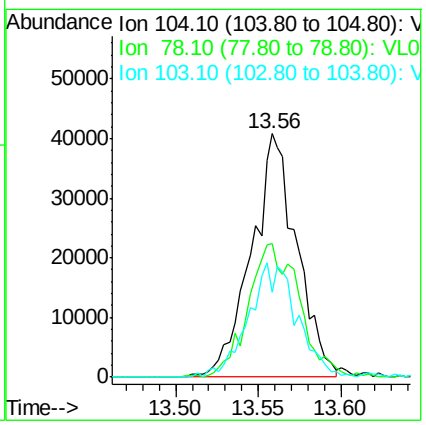


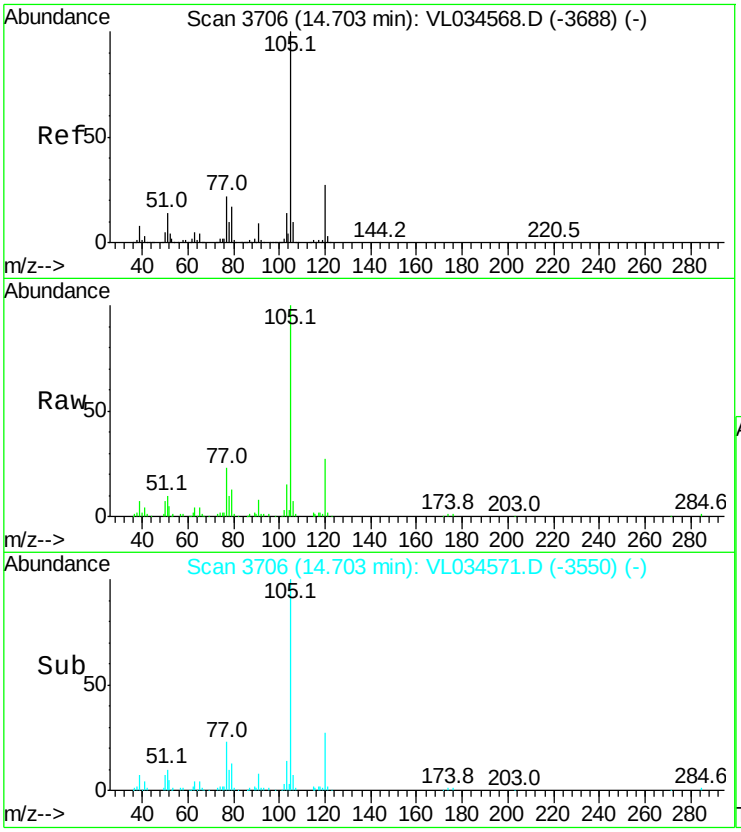


#61
Styrene
Concen: 0.423 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion:104 Resp: 77697

Ion	Ratio	Lower	Upper
104	100		
78	61.5	47.7	71.5
103	50.8	38.6	58.0



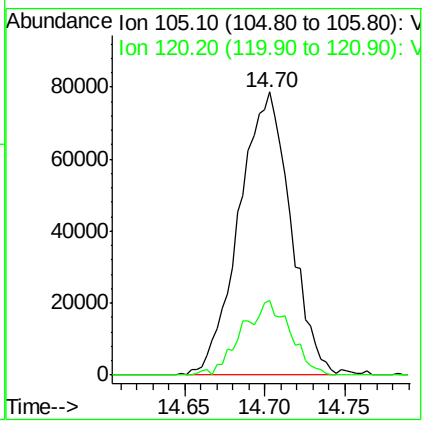


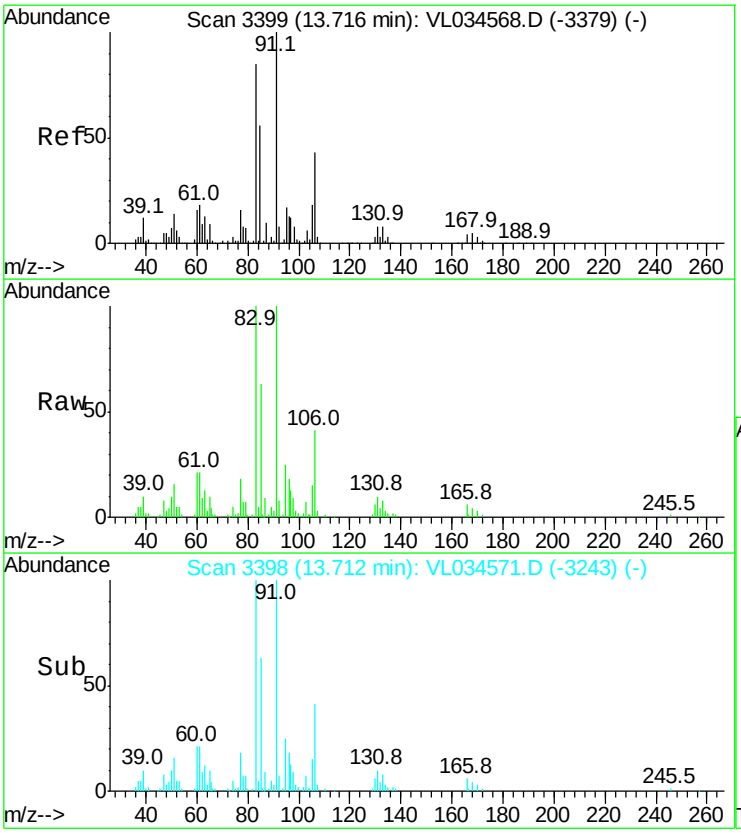
#62
Isopropylbenzene
Concen: 0.493 ppbv
RT: 14.70 min Scan# 3706
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 173014

Ion	Ratio	Lower	Upper
105	100		
120	24.9	20.6	30.8

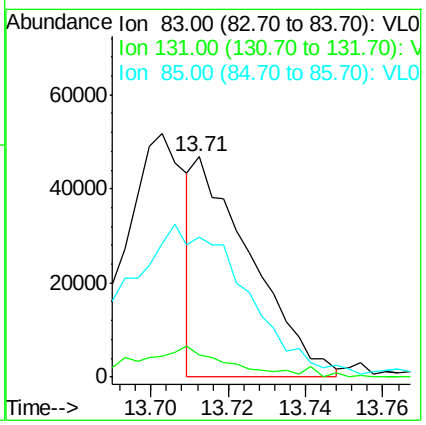


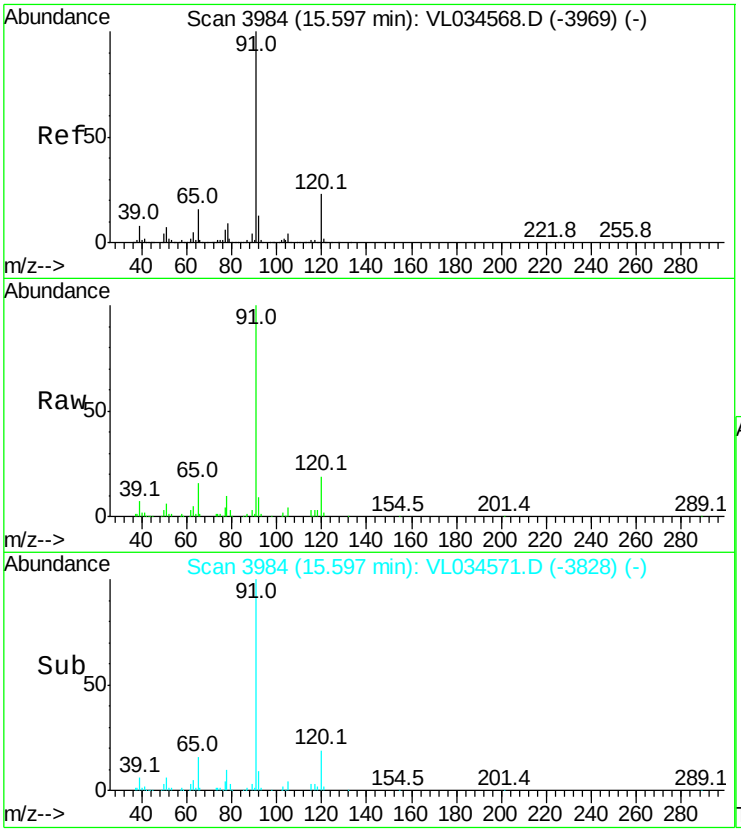


#63
1,1,2,2-Tetrachloroethane
Concen: 0.222 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 83 Resp: 47844

Ion	Ratio	Lower	Upper
83	100		
131	24.1	4.8	14.4#
85	0.0	32.5	97.4#



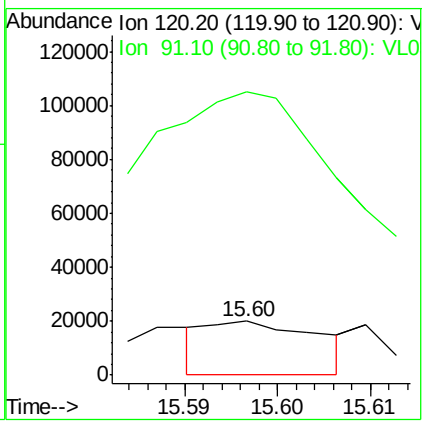


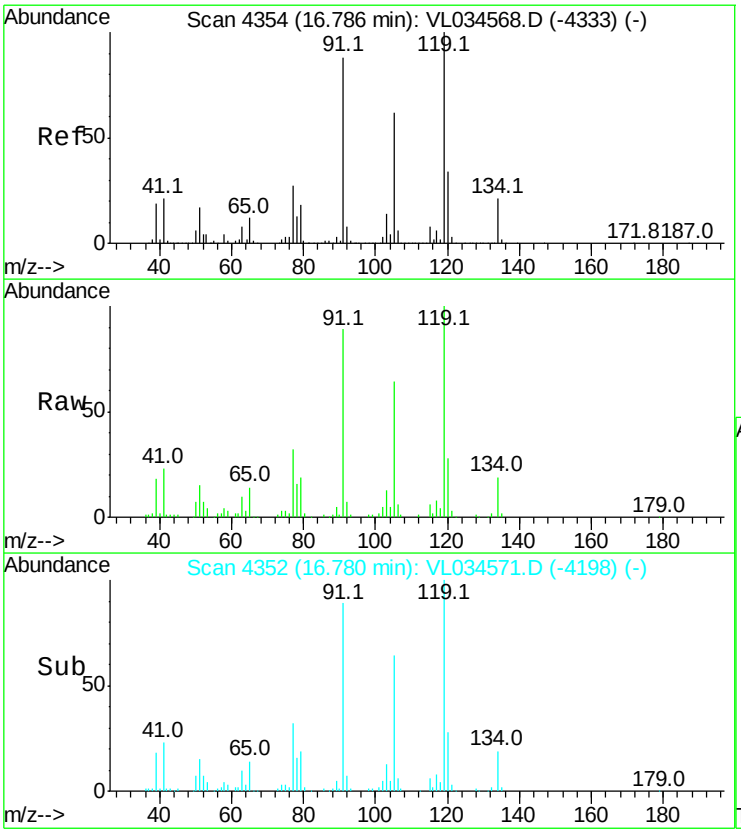
#64
n-propylbenzene
Concen: 0.185 ppbv
RT: 15.60 min Scan# 3984
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:120 Resp: 16577

Ion	Ratio	Lower	Upper
120	100		
91	1355.5	375.6	563.4#

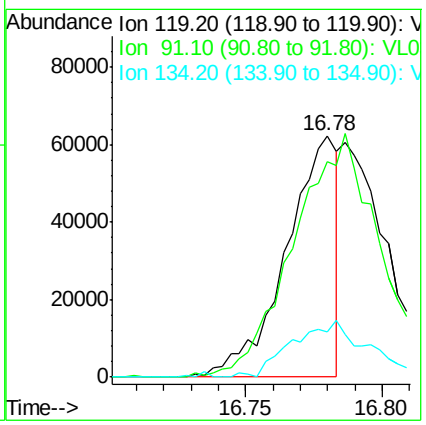


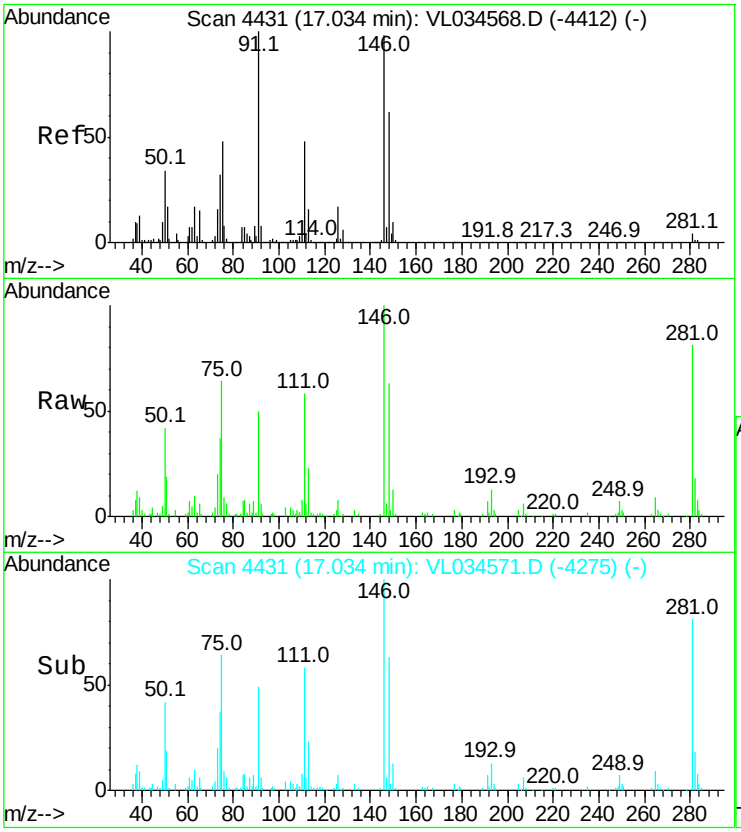


#65
tert-Butylbenzene
Concen: 0.255 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion:119 Resp: 80766

Ion	Ratio	Lower	Upper
119	100		
91	0.0	72.0	108.0#
134	0.0	16.1	24.1#



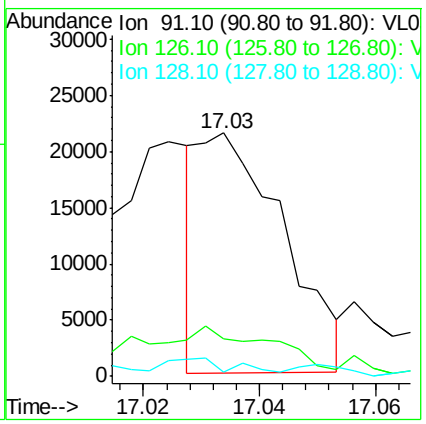


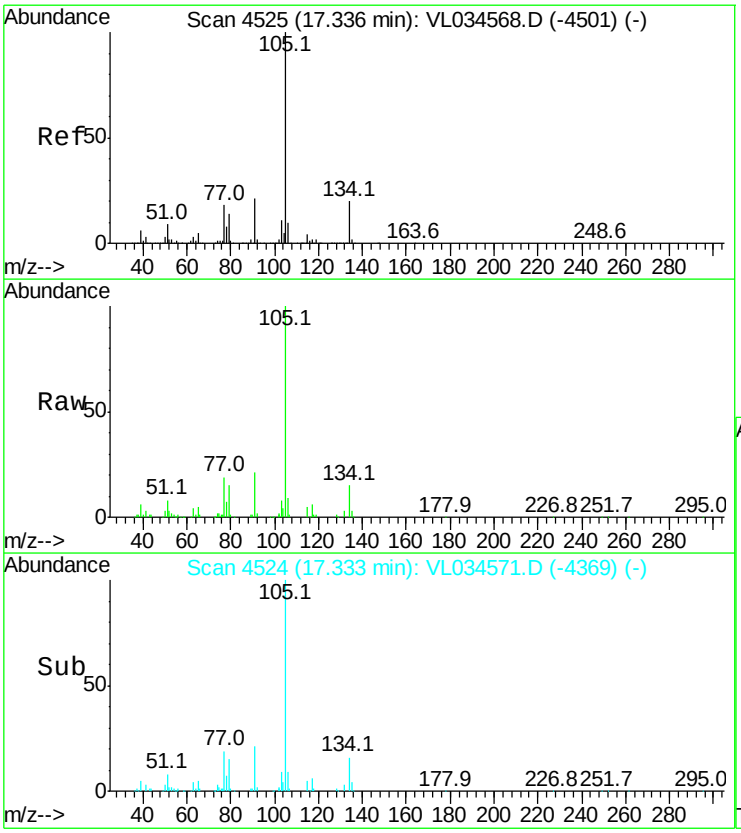
#66
Benzyl Chloride
Concen: 0.154 ppbv
RT: 17.03 min Scan# 4431
Delta R.T. 0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 21414

Ion	Ratio	Lower	Upper
91	100		
126	45.8	13.1	19.7#
128	14.2	4.2	6.4#

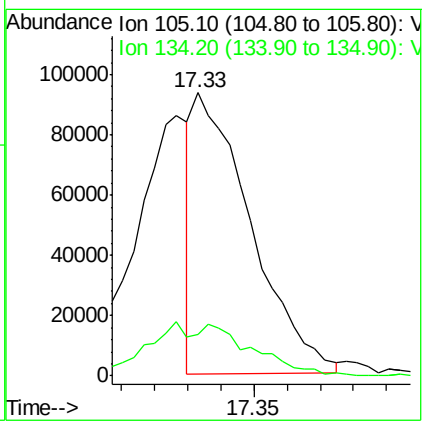


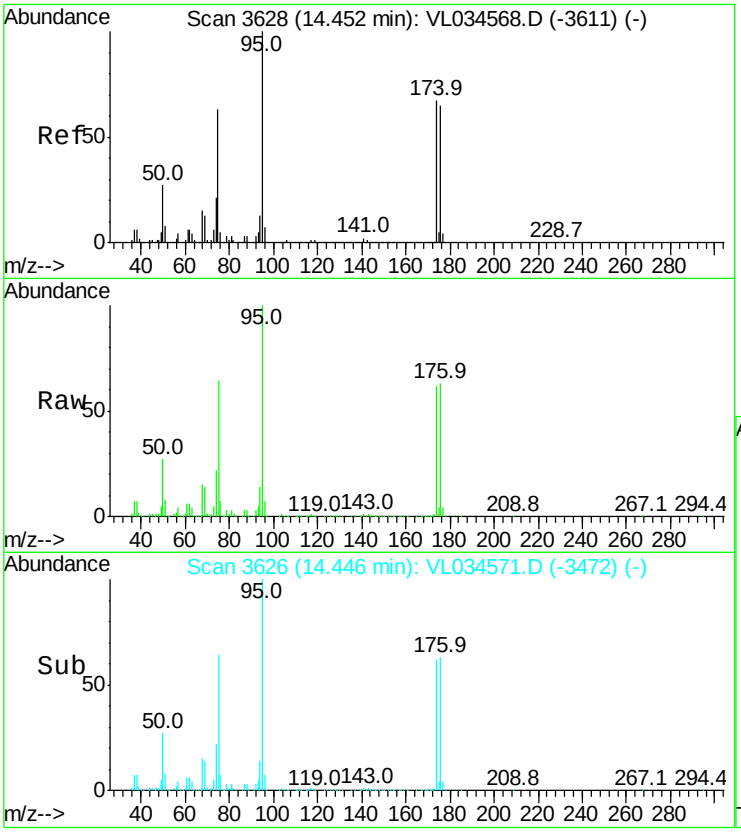


#67
sec-Butylbenzene
Concen: 0.251 ppbv
RT: 17.33 min Scan# 4524
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion:105 Resp: 111763

Ion	Ratio	Lower	Upper
105	100		
134	0.0	15.1	22.7#



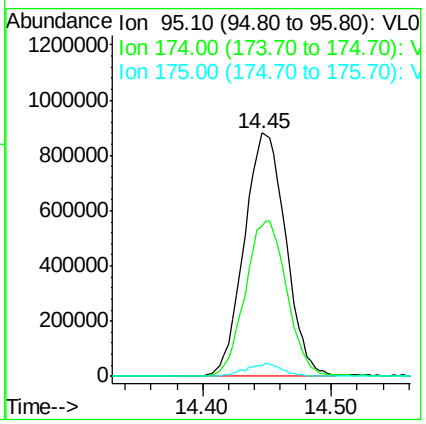


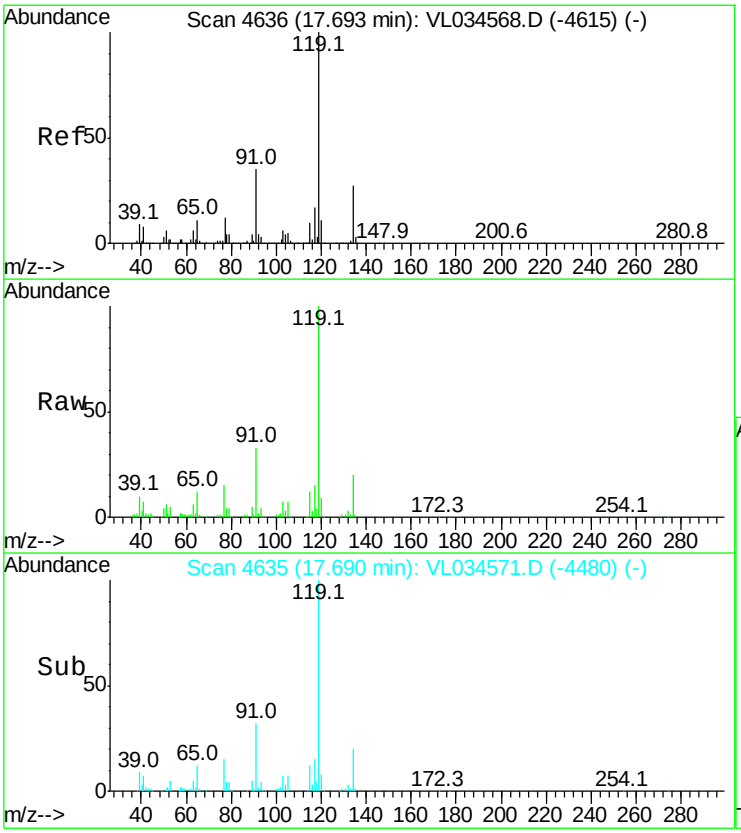
#68
1-Bromo-4-Fluorobenzene
Concen: 10.470 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 95 Resp: 1981373

Ion	Ratio	Lower	Upper
95	100		
174	64.3	52.4	78.6
175	4.6	3.9	5.9

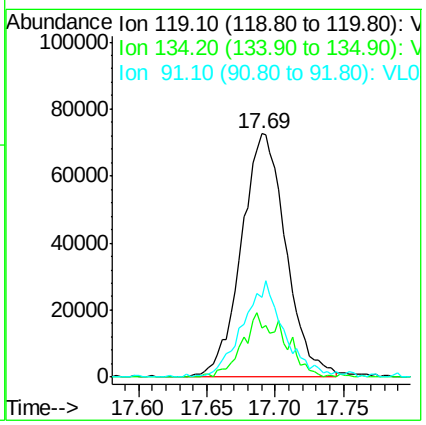


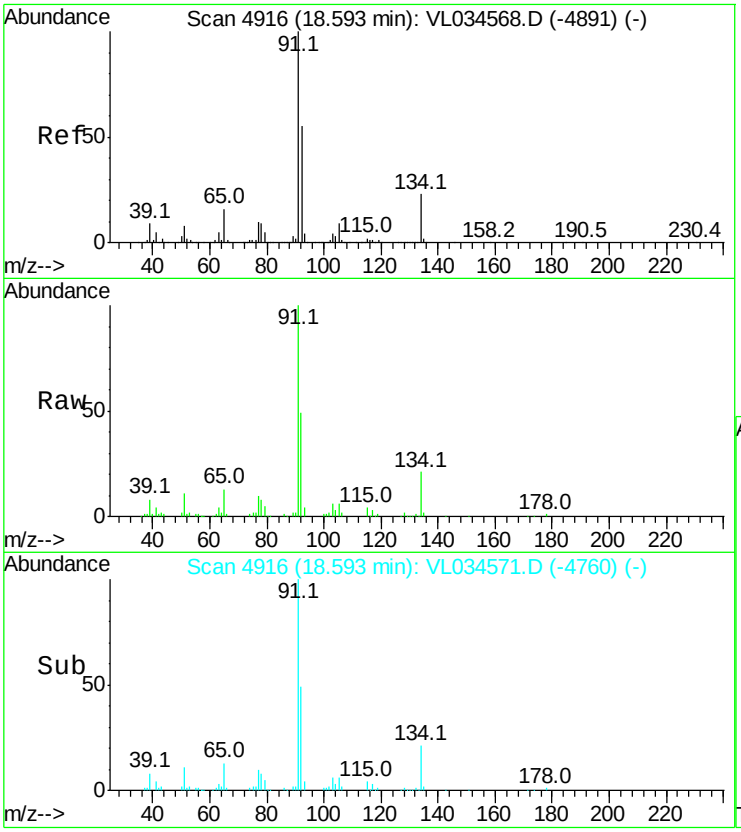


#69
p-Isopropyltoluene
Concen: 0.457 ppbv
RT: 17.69 min Scan# 4635
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion:119 Resp: 165248

Ion	Ratio	Lower	Upper
119	100		
134	24.7	20.7	31.1
91	37.6	26.6	39.8



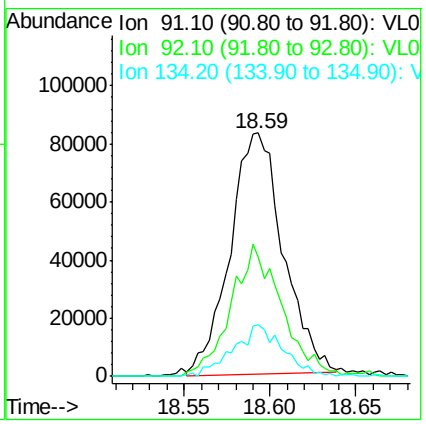


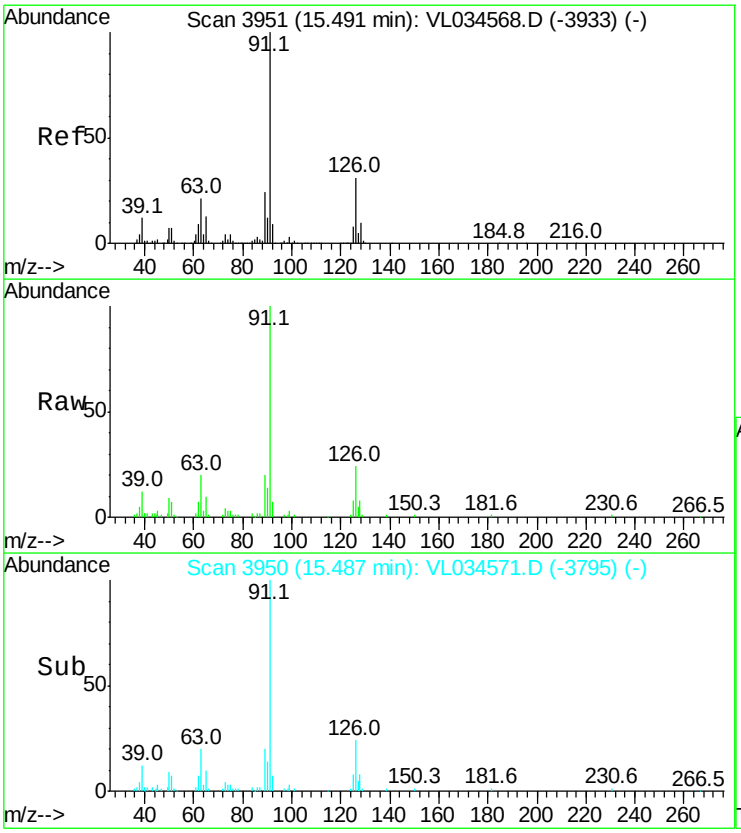
#70
n-Butylbenzene
Concen: 0.458 ppbv
RT: 18.59 min Scan# 4916
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 178654

Ion	Ratio	Lower	Upper
91	100		
92	52.8	43.8	65.6
134	20.2	18.0	27.0

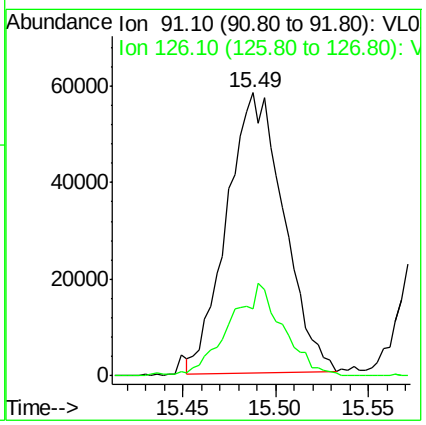


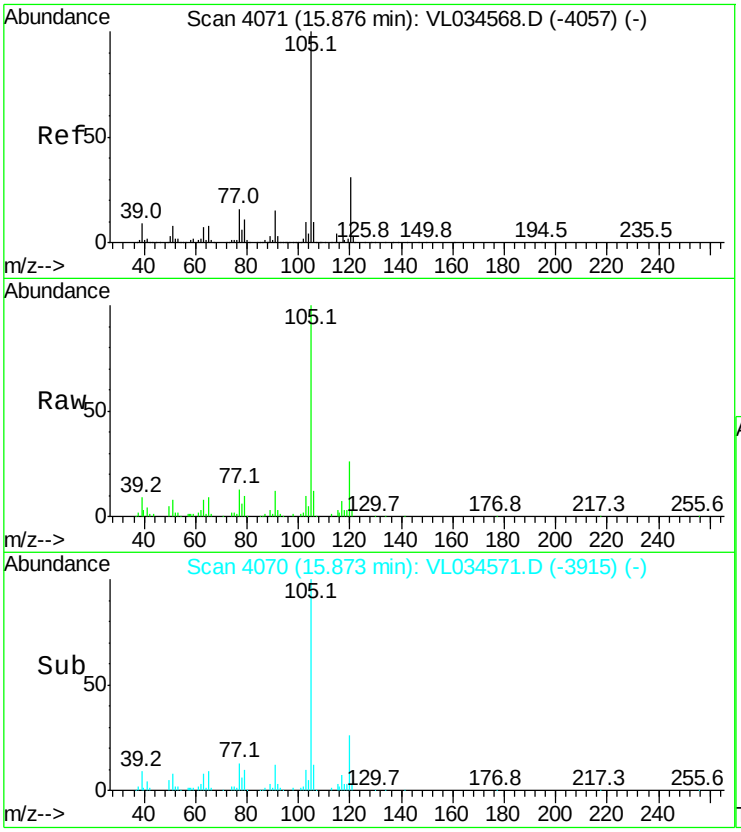


#71
2-Chlorotoluene
Concen: 0.452 ppbv
RT: 15.49 min Scan# 3950
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion: 91 Resp: 123245

Ion	Ratio	Lower	Upper
91	100		
126	31.4	12.0	47.8



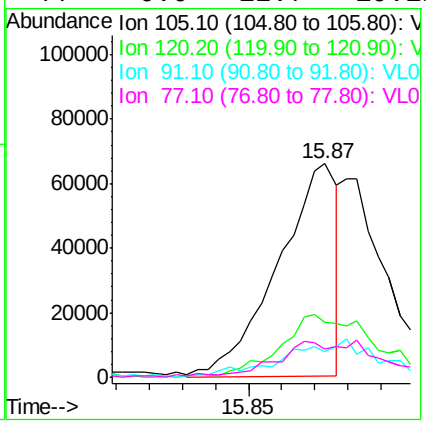


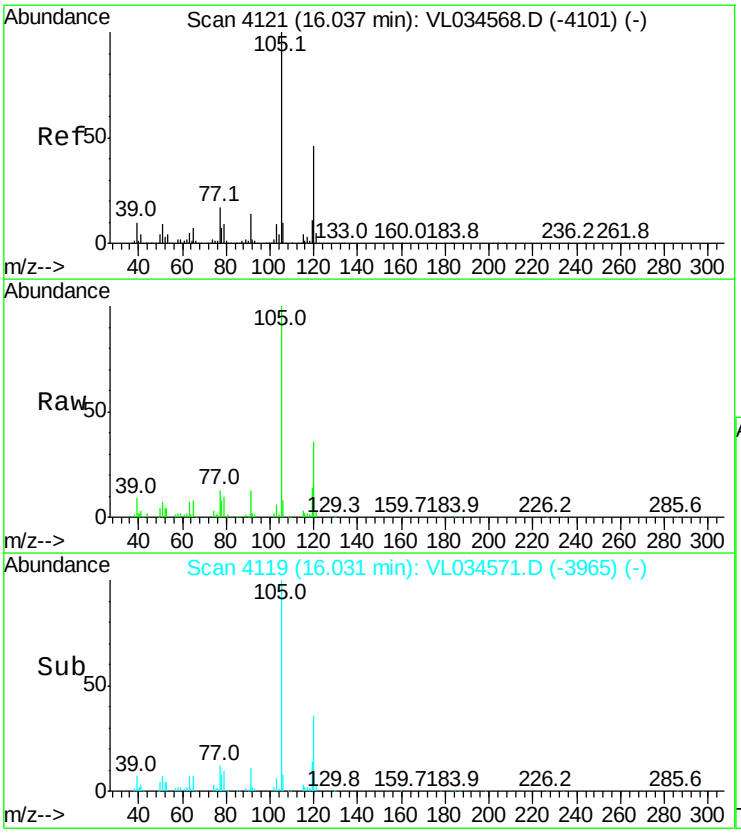
#72
4-Ethyltoluene
Concen: 0.272 ppbv
RT: 15.87 min Scan# 4070
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:105 Resp: 81766

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.7	35.5#
91	0.0	11.5	17.3#
77	0.0	12.7	19.1#

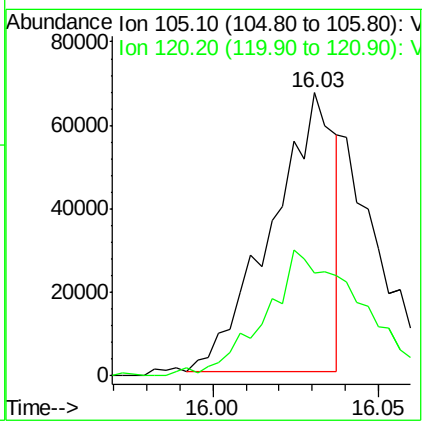


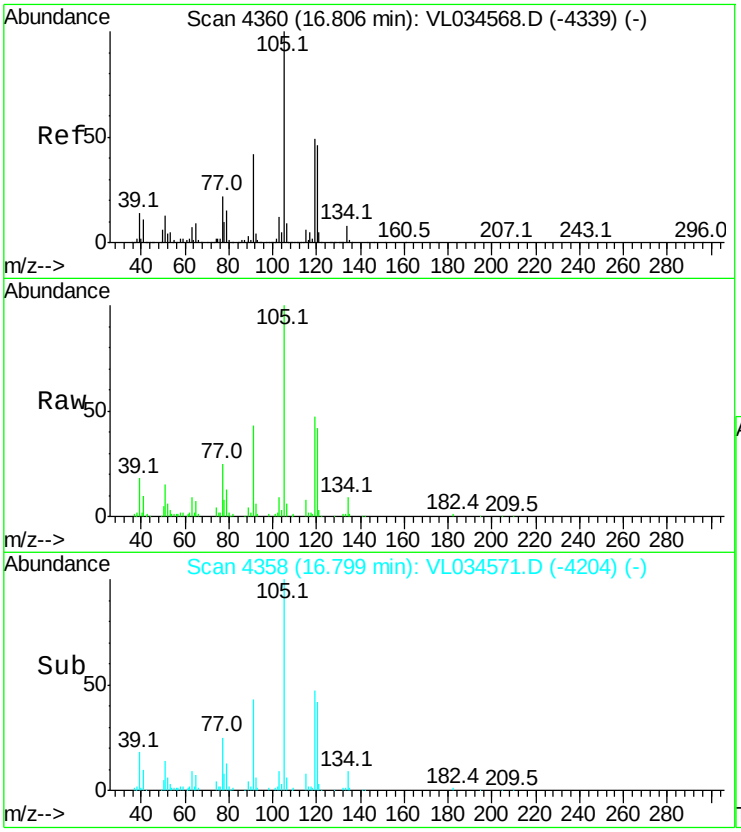


#73
1,3,5-Trimethylbenzene
Concen: 0.301 ppbv
RT: 16.03 min Scan# 4119
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion:105 Resp: 88579

Ion	Ratio	Lower	Upper
105	100		
120	34.0	34.6	52.0#



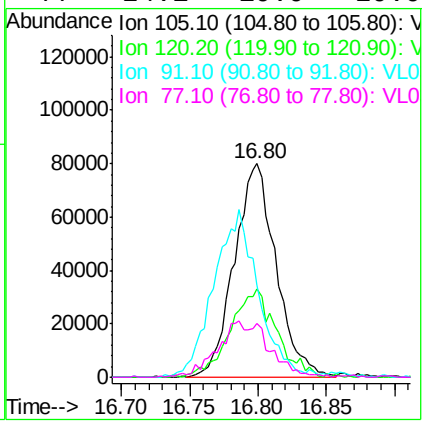


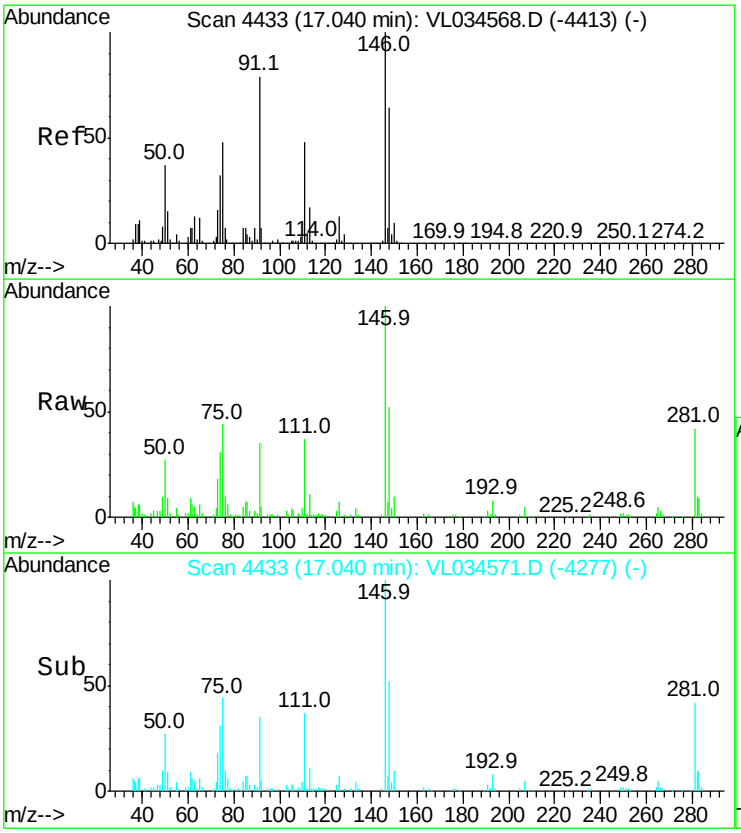
#74
1,2,4-Trimethylbenzene
Concen: 0.539 ppbv
RT: 16.80 min Scan# 4358
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 169905

Ion	Ratio	Lower	Upper
105	100		
120	40.5	36.7	55.1
91	41.3	44.0	66.0#
77	24.1	19.9	29.9

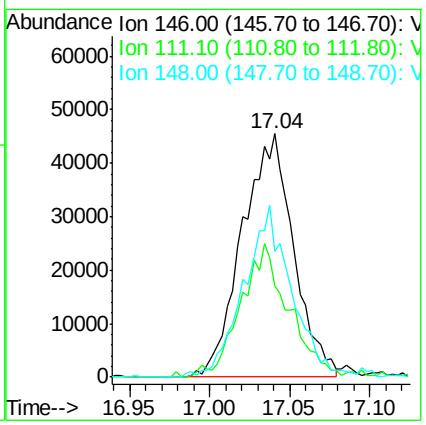


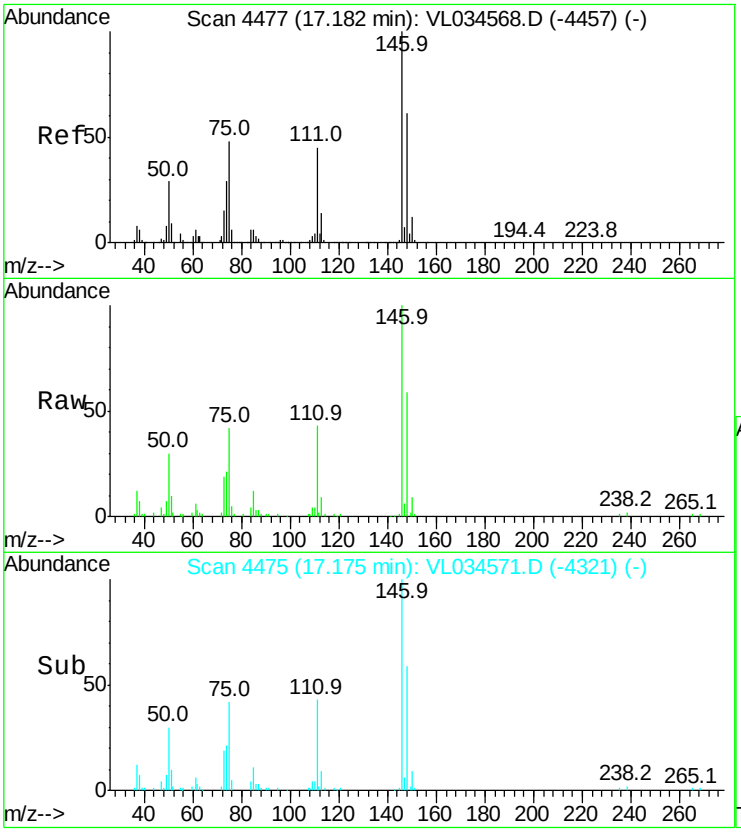


#75
1,3-Dichlorobenzene
Concen: 0.532 ppbv
RT: 17.04 min Scan# 4433
Delta R.T. 0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion:146 Resp: 100352

Ion	Ratio	Lower	Upper
146	100		
111	52.2	25.1	75.3
148	66.1	33.0	99.0



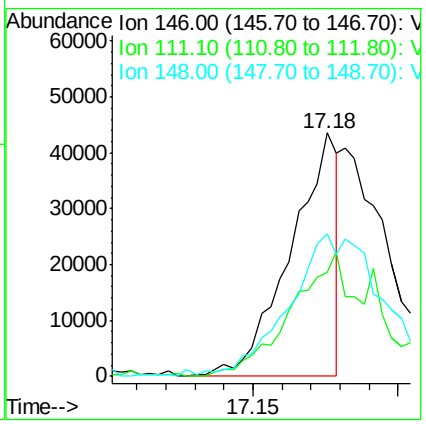


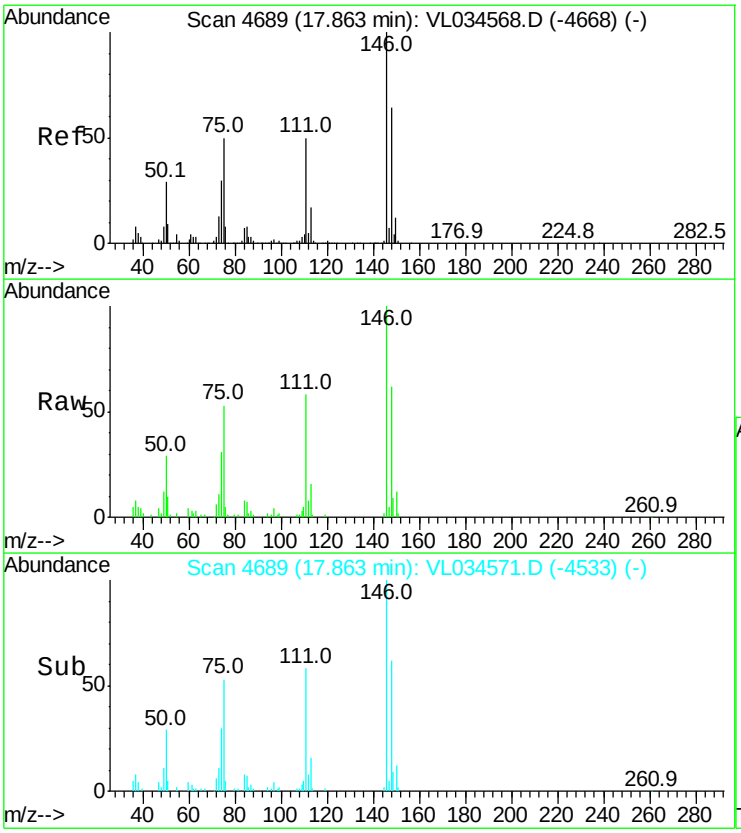
#76
1,4-Dichlorobenzene
Concen: 0.270 ppbv
RT: 17.18 min Scan# 4475
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 48997

Ion	Ratio	Lower	Upper
146	100		
111	0.0	23.5	70.6#
148	121.4	32.1	96.3#

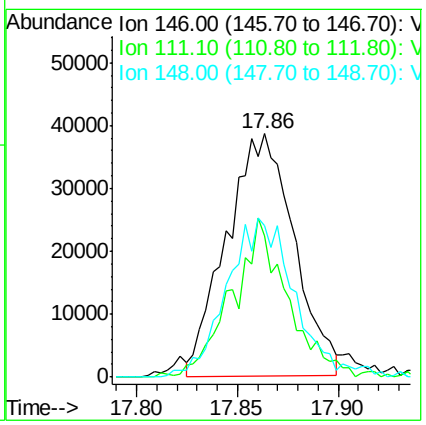


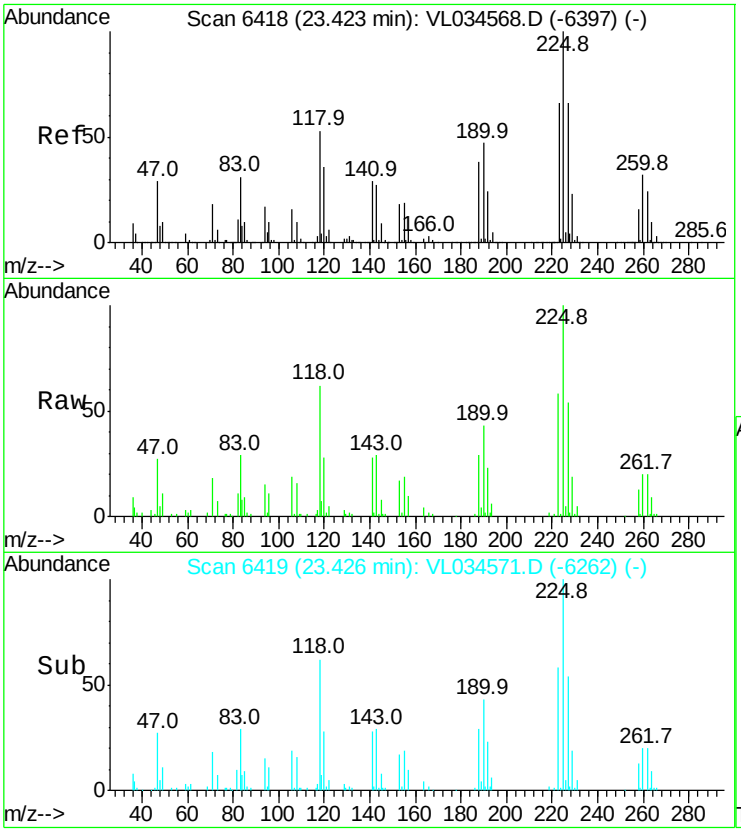


#77
1,2-Dichlorobenzene
Concen: 0.507 ppbv
RT: 17.86 min Scan# 4689
Delta R.T. 0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion:146 Resp: 90028

Ion	Ratio	Lower	Upper
146	100		
111	54.4	25.3	75.8
148	65.9	32.1	96.3



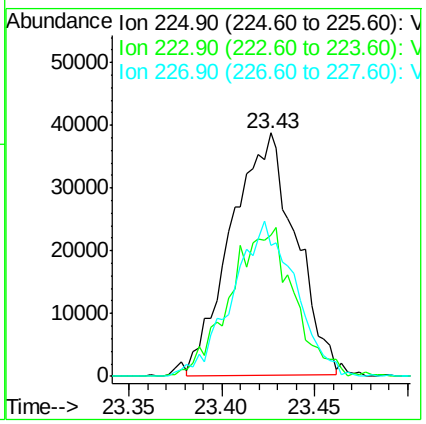


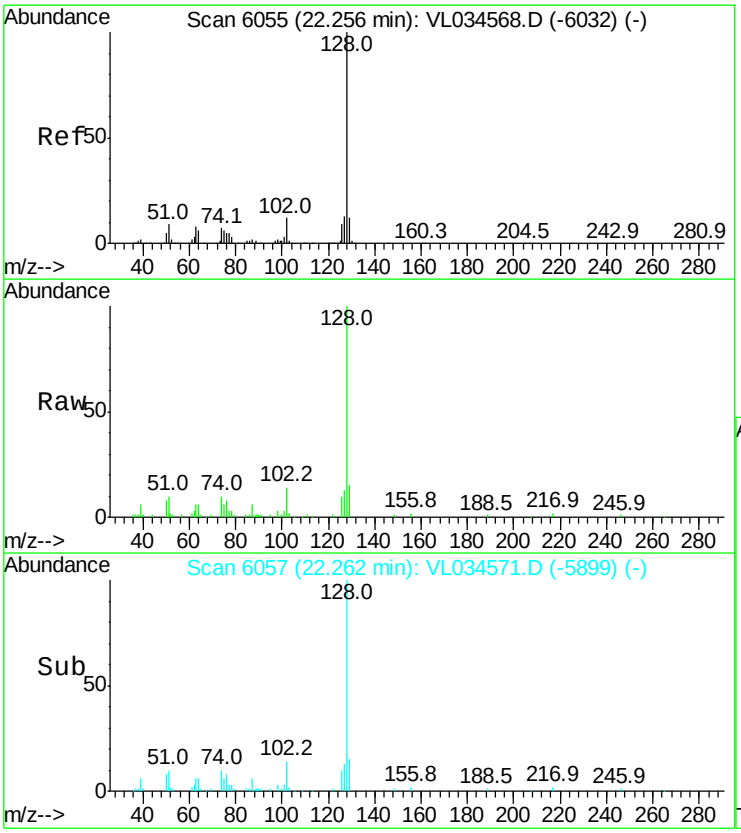
#78
Hexachloro-1,3-Butadiene
Concen: 0.555 ppbv
RT: 23.43 min Scan# 6419
Delta R.T. 0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:225 Resp: 93400

Ion	Ratio	Lower	Upper
225	100		
223	60.9	51.0	76.6
227	62.1	51.8	77.6

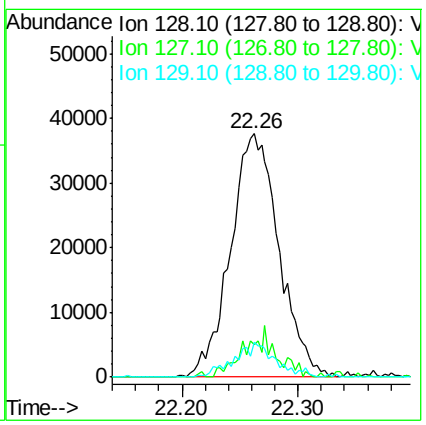


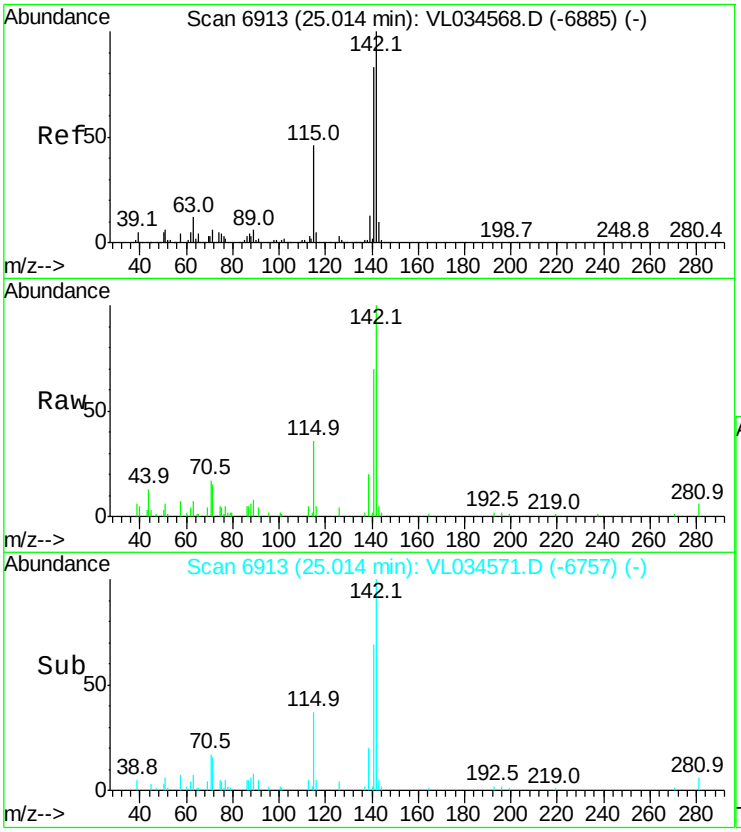


#79
Naphthalene
Concen: 0.459 ppbv
RT: 22.26 min Scan# 6057
Delta R.T. 0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion:128 Resp: 108968

Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	14.6	8.7	13.1#



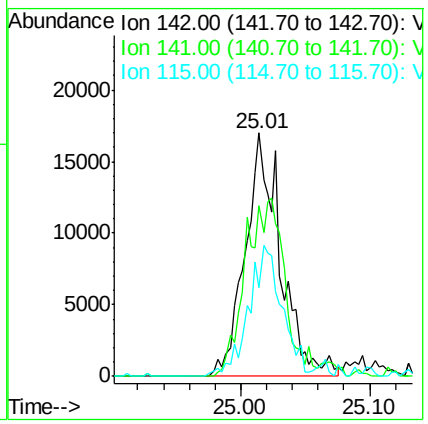


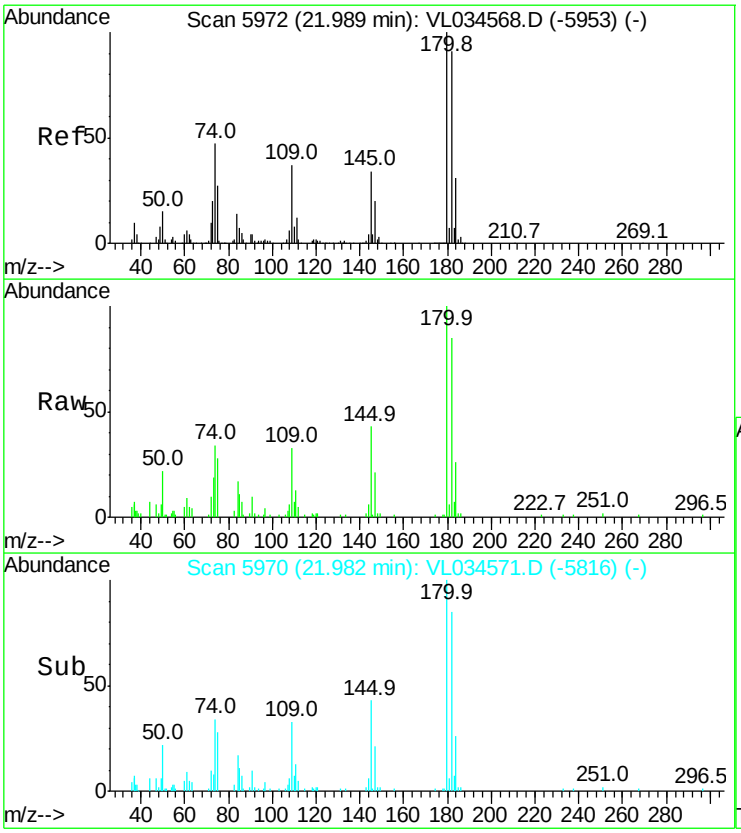
#80
Naphthalene,2-methyl-
Concen: 0.493 ppbv
RT: 25.01 min Scan# 6913
Delta R.T. -0.00 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:142 Resp: 32453

Ion	Ratio	Lower	Upper
142	100		
141	83.9	65.8	98.8
115	55.0	30.4	45.6#





#81
1,2,4-Trichlorobenzene
Concen: 0.261 ppbv
RT: 21.98 min Scan# 5970
Delta R.T. -0.01 min
Lab File: VL034571.D
Acq: 30 Jan 2020 14:01

Tgt Ion:180 Resp: 40272

Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.8	116.8#
184	0.0	25.2	37.8#