Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022520\

Quantitation Report (Not Reviewed)

Data File : VL034669.D
Acq On : 25 Feb 2020 12:35
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Feb 25 13:28:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 25 12:01:27 2020
QLast Update : Tue Feb 25 12:01:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1159790	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	2438188	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	2437341	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.46	95	2015639	9.79	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.01	85	202521	0.793	ppbv		91
3) Chlorodifluoromethane	2.95	51	154468	1.102	ppbv		96
4) Chloromethane	3.11	50	92779	1.082	ppbv		100
5) Vinyl Chloride	3.22	62	85195	1.040	ppbv	#	86
6) Bromomethane	3.44	94	43619	1.024	ppbv		92
7) Chloroethane	3.52	64	29589	0.971	ppbv		98
8) Dichlorotetrafluoroethane	3.15	85	200271	1.003	ppbv		98
9) Propene	2.97	41	62978	1.154	ppbv		91
10) Heptane	8.13	43	156008	1.136	ppbv		98
11) Trichlorofluoromethane	3.93	101	202340	0.872	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.46	101	137499	0.908	ppbv		98
13) Ethanol	3.58	45	21977	1.504	ppbv		90
14) Bromoethene	3.71	108	54140	0.912	ppbv		96
15) Acetone	3.83	43	178499	1.047	ppbv		99
16) 1,3-Butadiene	3.29	39	67521	0.998	ppbv		99
17) tert-Butyl alcohol	4.28	59	128488	1.025	ppbv		98
18) 1,1-Dichloroethene	4.27	96	61166	0.957	ppbv		92
19) Isopropyl Alcohol	3.95	45	125865	1.265	ppbv	#	94
20) Methylene Chloride	4.33	84	65079	1.003	ppbv		91
21) Allyl Chloride	4.39	41	99817	0.943	ppbv		99
22) trans-1,2-Dichloroethene	4.87	96	29813	0.445	ppbv		88
23) Vinyl Acetate	5.06	43	201400	1.036	ppbv		97
24) 1,1-Dichloroethane	5.00	63	178892	1.102	ppbv	#	93
25) Ethyl Acetate	5.67	43	290703	1.053	ppbv		100
26) Hexane	5.68	57	131038	1.134	ppbv		99
27) Carbon Disulfide	4.53	76	140004	0.898	ppbv		95
28) Methyl tert-Butyl Ether	5.02	73	115470	0.586	ppbv	#	72
29) Chloroform	5.75	83	209754	1.026	ppbv		99
30) Cyclohexane	7.14	84	94561	1.104	ppbv		93
31) cis-1,2-Dichloroethene	5.54	61	121290	1.010	ppbv		91
32) 1,1,1-Trichloroethane	6.51	97	94830	0.432	ppbv	#	26
34) 2-Butanone	5.24	43	184030	1.040	ppbv		100
35) Carbon Tetrachloride	7.02	117	192715	0.827	ppbv	#	92
36) Benzene	6.90	78	243634	1.124	ppbv		93
37) 1,2-Dichloroethane	6.31	62	165004	0.912	ppbv		99
38) Trichloroethene	7.84	130	42892	0.469	ppbv		89
39) 1,2-Dichloropropane	7.62	63	100459	1.118	ppbv		96
40) 1,4-Dioxane	7.86	88	11561	0.335	ppbv	#	1
41) Tetrahydrofuran	6.06	42	88905	0.963	ppbv		99
42) Bromodichloromethane	7.81	83	207165	0.930	ppbv		93
43) Methyl Methacrylate	8.03	69	86510	0.992	ppbv		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022520\

Quantitation Report (Not Reviewed)

Data File : VL034669.D
Acq On : 25 Feb 2020 12:35
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Feb 25 13:28:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 25 12:01:27 2020
QLast Update : Tue Feb 25 12:01:27 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	445921	1.134	ppbv		99
45) t-1,3-Dichloropropene	9.30	75	95594	0.837	ppbv	#	87
46) cis-1,3-Dichloropropene	8.72	75	114263	0.880	ppbv		92
47) 1,1,2-Trichloroethane	9.50	97	52179	0.536	ppbv		92
48) Dibromochloromethane	10.33	129	156340	0.876	ppbv		97
49) Bromoform	13.08	173	133440	0.852	ppbv		98
50) 4-Methyl-2-Pentanone	8.76	43	254789	1.009	ppbv		98
51) 2-Hexanone	10.17	43	189292	0.952	ppbv	#	99
52) Tetrachloroethene	11.26	164	34238	0.393	ppbv		93
53) Toluene	9.83	91	251417	1.056	ppbv		97
54) 1,2-Dibromoethane	10.64	107	142610	0.978	ppbv		96
56) 1,1,1,2-Tetrachloroethane	12.16	131	116065	0.965	ppbv	#	1
57) Chlorobenzene	12.17	112	111404	0.555	ppbv		92
58) Ethyl Benzene	12.74	91	346428	1.062	ppbv		96
59) m/p-Xylene	13.03	91	264307	0.917	ppbv	#	31
60) o-Xylene	13.73	91	322197	1.113	ppbv		95
61) Styrene	13.56	104	206032	1.067	ppbv		99
62) Isopropylbenzene	14.71	105	236651	0.631	ppbv	#	49
63) 1,1,2,2-Tetrachloroethane	13.72	83	240839	1.075	ppbv		98
64) n-propylbenzene	15.60	120	101819	1.055	ppbv		83
65) tert-Butylbenzene	16.79	119	364955	1.074	ppbv		97
66) Benzyl Chloride	17.03	91	112503	0.789	ppbv		99
67) sec-Butylbenzene	17.34	105	525564	1.125	ppbv		98
69) p-Isopropyltoluene	17.69	119	409596	1.080	ppbv		99
70) n-Butylbenzene	18.60	91	437864	1.087	ppbv		97
71) 2-Chlorotoluene	15.49	91	311828	1.095	ppbv		96
72) 4-Ethyltoluene	15.88	105	216358	0.680	ppbv	#	75
73) 1,3,5-Trimethylbenzene	16.03	105	332135	1.069	ppbv		92
74) 1,2,4-Trimethylbenzene	16.80	105	360544	1.048	ppbv	#	90
75) 1,3-Dichlorobenzene	17.04	146	208848	1.054	ppbv		98
76) 1,4-Dichlorobenzene	17.18	146	121886	0.624	ppbv	#	49
77) 1,2-Dichlorobenzene	17.86	146	202086	1.062	ppbv		99
78) Hexachloro-1,3-Butadiene	23.43	225	168055	0.923	ppbv		99
79) Naphthalene	22.27	128	226174	0.835	ppbv	#	93
80) Naphthalene,2-methyl-	25.02	142	37741	0.362	ppbv		99
81) 1,2,4-Trichlorobenzene	21.99	180	81217	0.486	ppbv	#	12

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

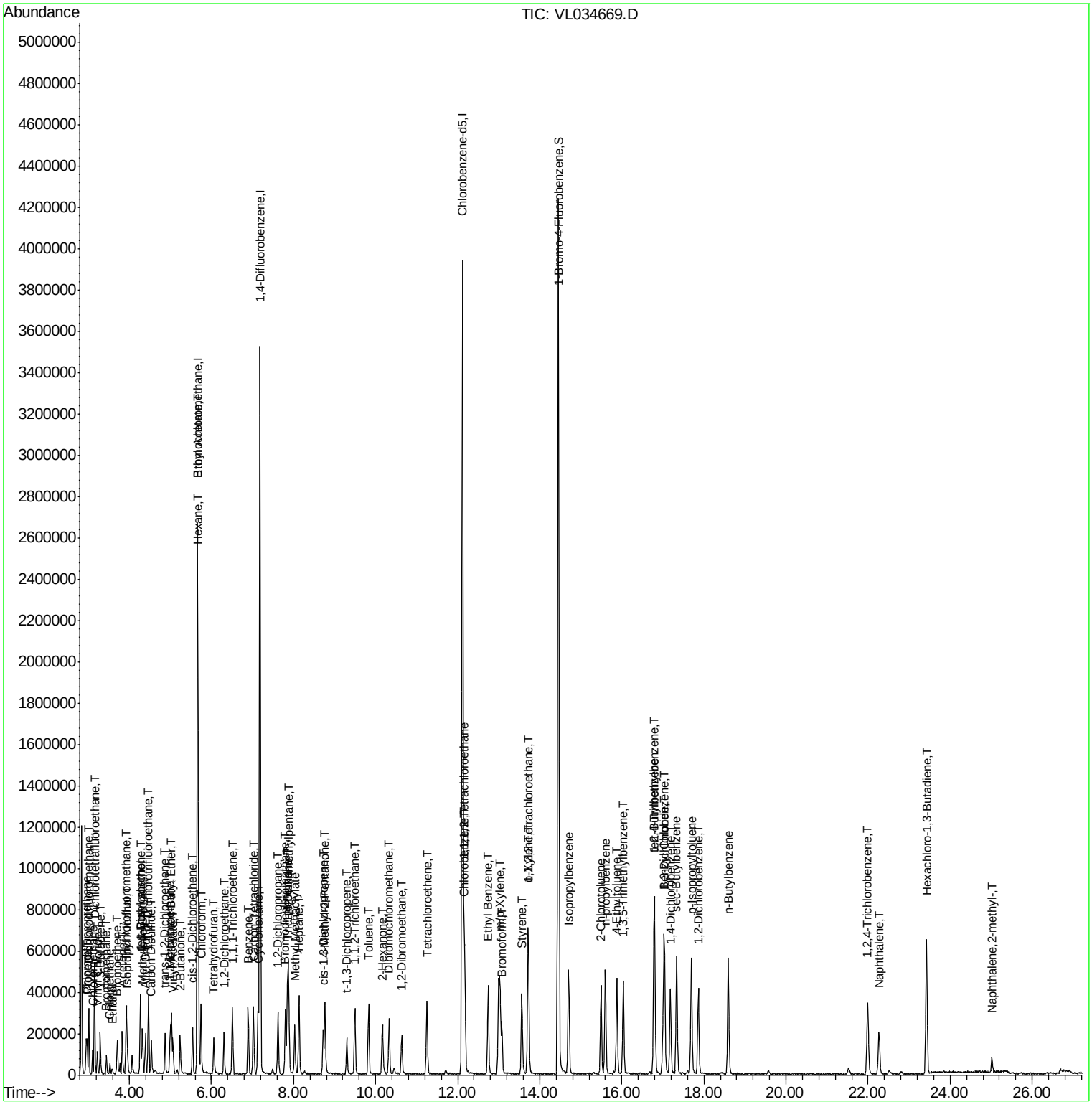
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022520\

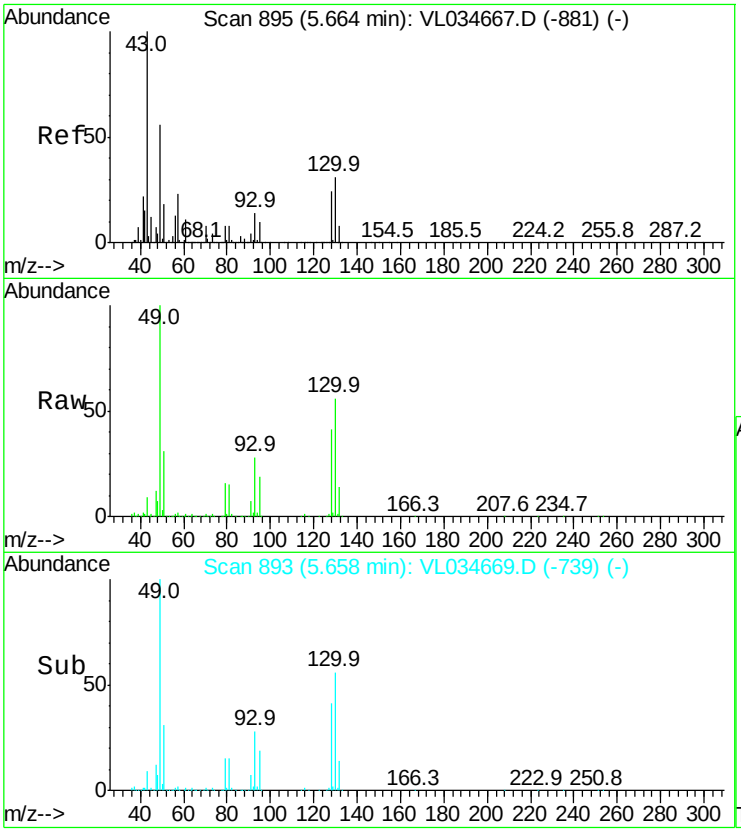
Quantitation Report (Not Reviewed)

Data File : VL034669.D
Acq On : 25 Feb 2020 12:35
Operator : SY/AP
Sample : VSTDICC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Quant Time: Feb 25 13:28:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 25 12:01:27 2020
QLast Update : Tue Feb 25 12:01:27 2020
Response via : Initial Calibration



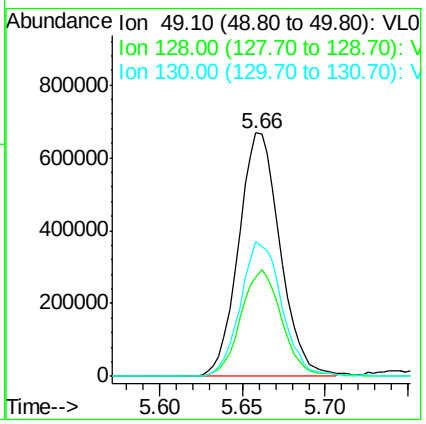


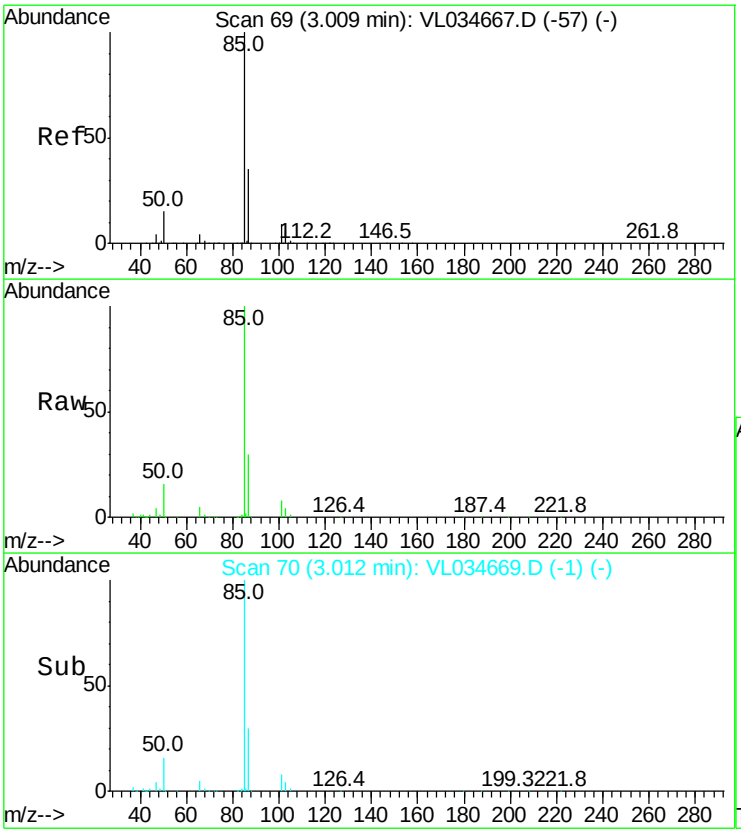
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 49 Resp: 1159790

Ion	Ratio	Lower	Upper
49	100		
128	43.5	21.9	65.5
130	55.8	27.9	83.7

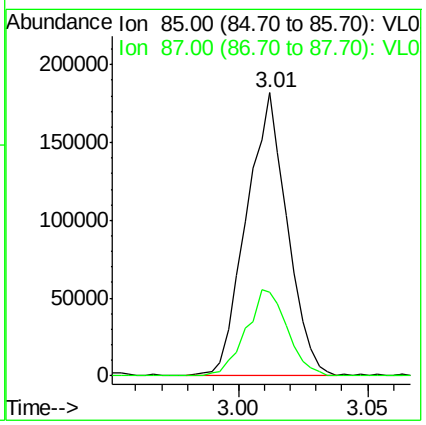


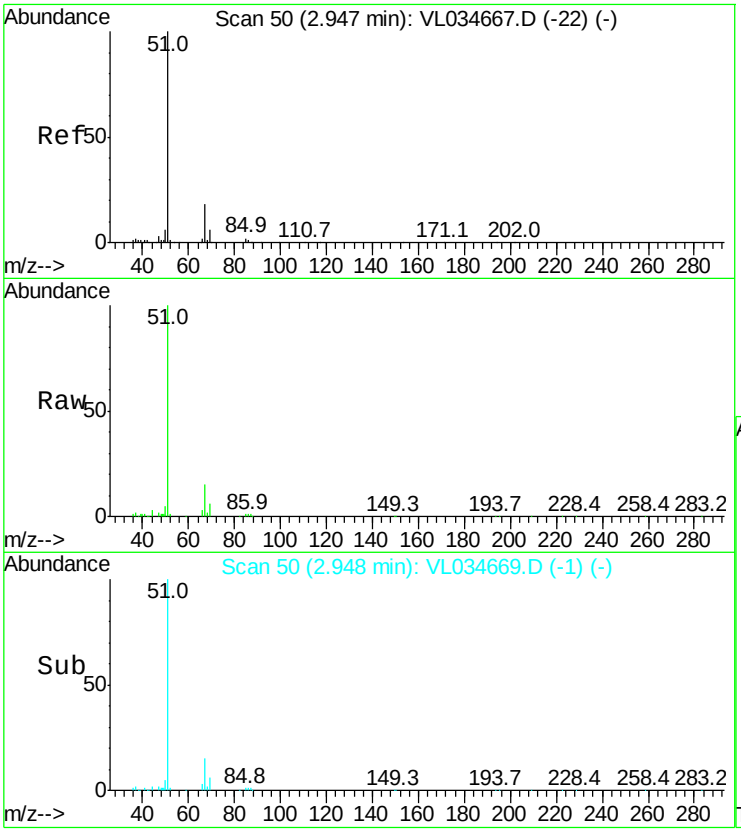


#2
Dichlorodifluoromethane
Concen: 0.793 ppbv
RT: 3.01 min Scan# 70
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 85 Resp: 202521

Ion	Ratio	Lower	Upper
85	100		
87	29.6	27.9	41.9



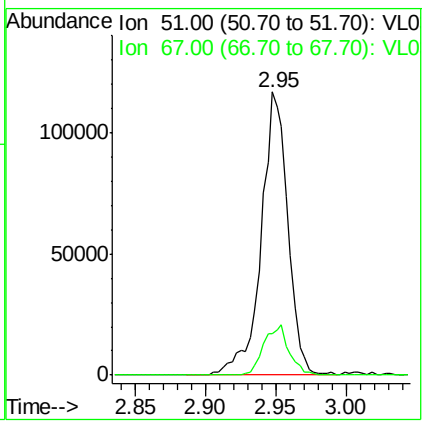


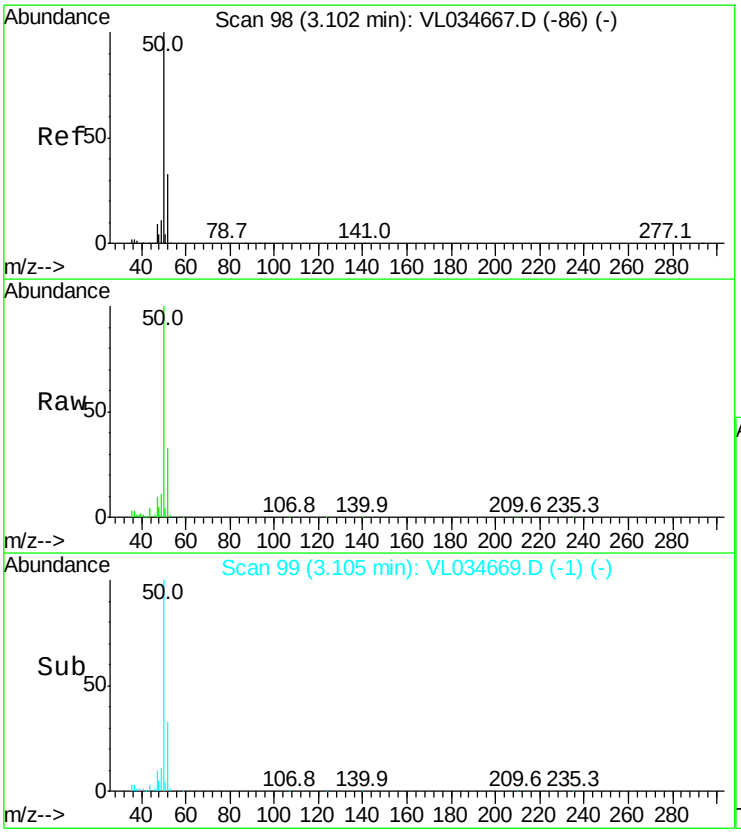
#3
Chlorodifluoromethane
Concen: 1.102 ppbv
RT: 2.95 min Scan# 50
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 51 Resp: 154468

Ion	Ratio	Lower	Upper
51	100		
67	16.8	15.0	22.4

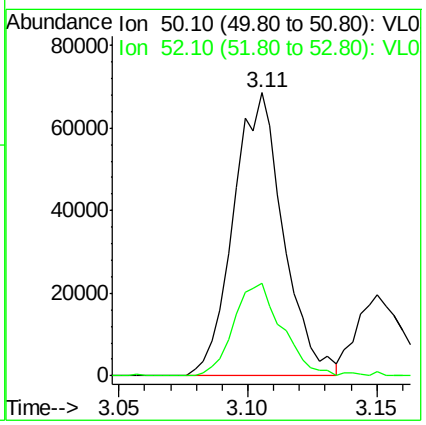


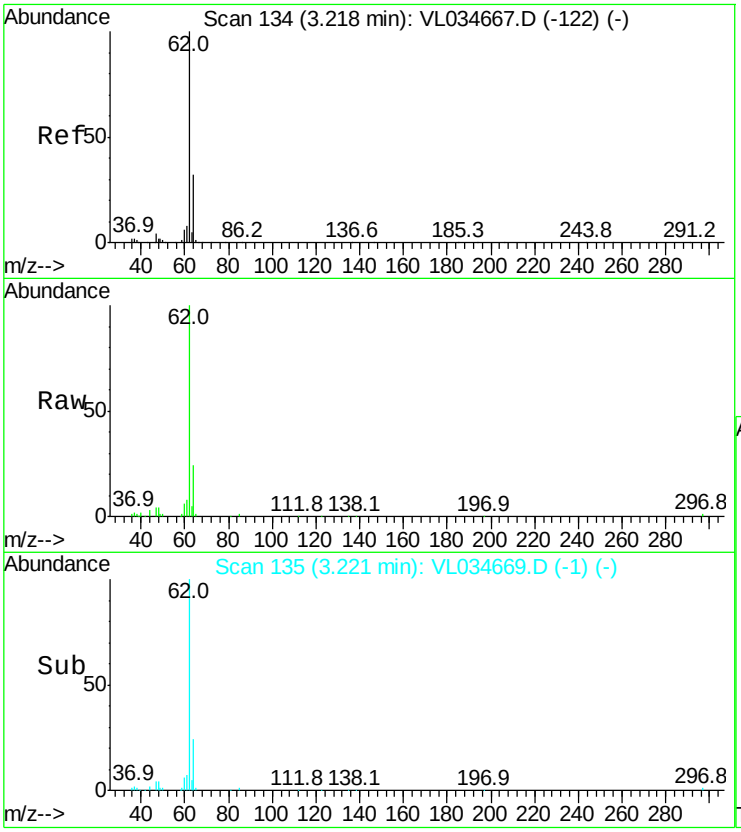


#4
Chloromethane
Concen: 1.082 ppbv
RT: 3.11 min Scan# 99
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 50 Resp: 92779

Ion	Ratio	Lower	Upper
50	100		
52	32.8	26.2	39.4



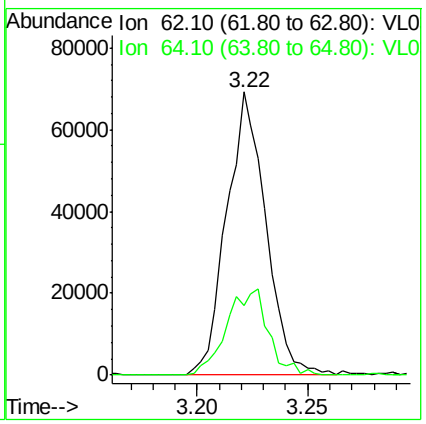


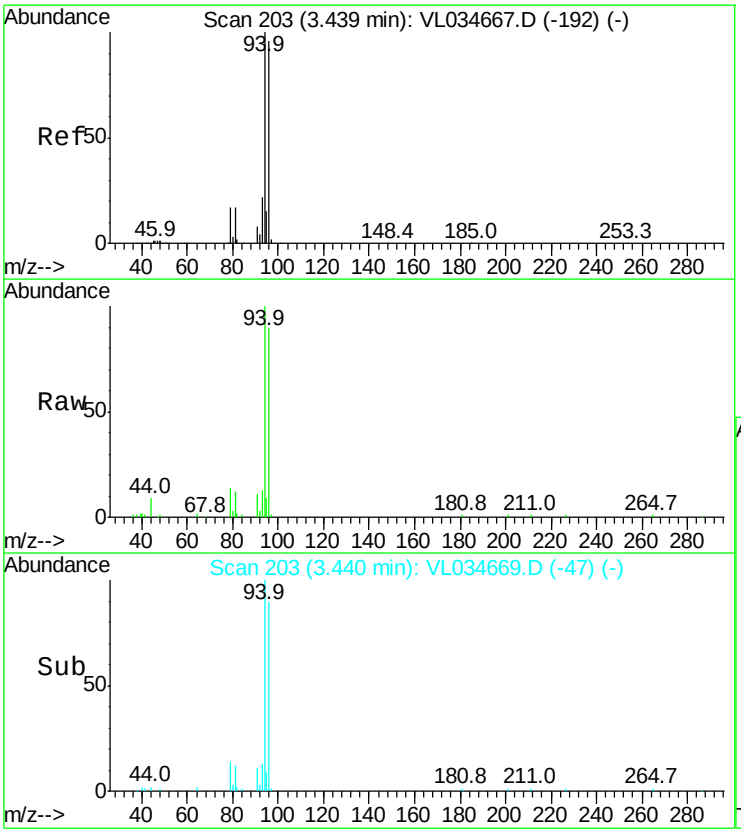
#5
Vinyl Chloride
Concen: 1.040 ppbv
RT: 3.22 min Scan# 135
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 85195

Ion	Ratio	Lower	Upper
62	100		
64	24.4	25.7	38.5#

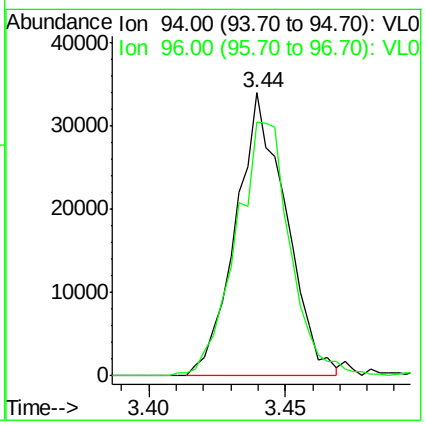


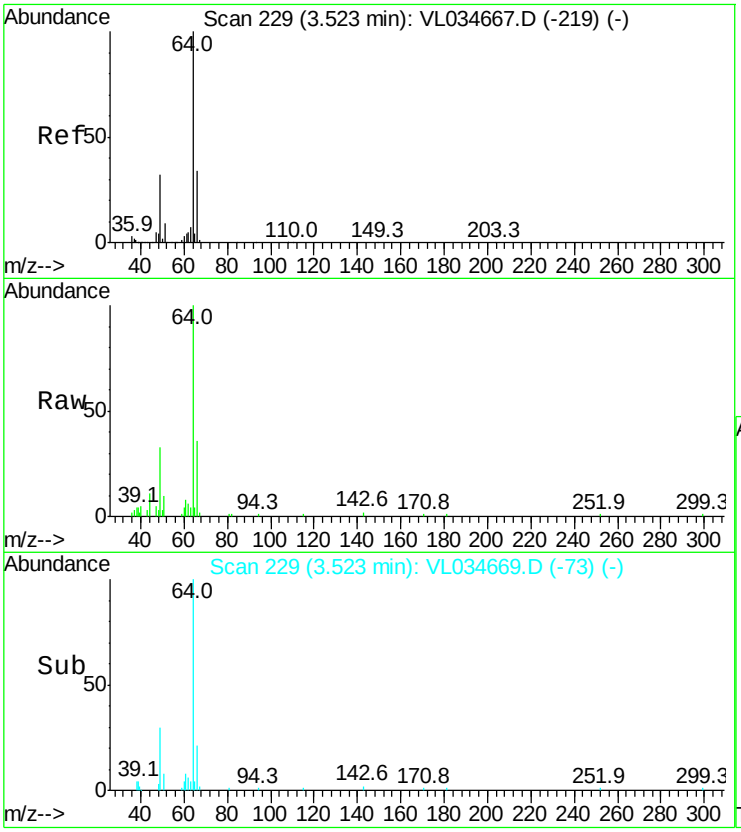


#6
Bromomethane
Concen: 1.024 ppbv
RT: 3.44 min Scan# 203
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 94 Resp: 43619

Ion	Ratio	Lower	Upper
94	100		
96	88.3	77.0	115.4



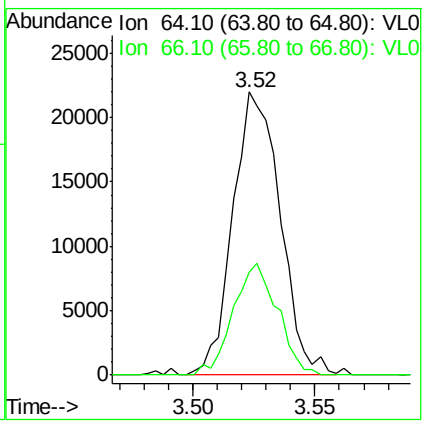


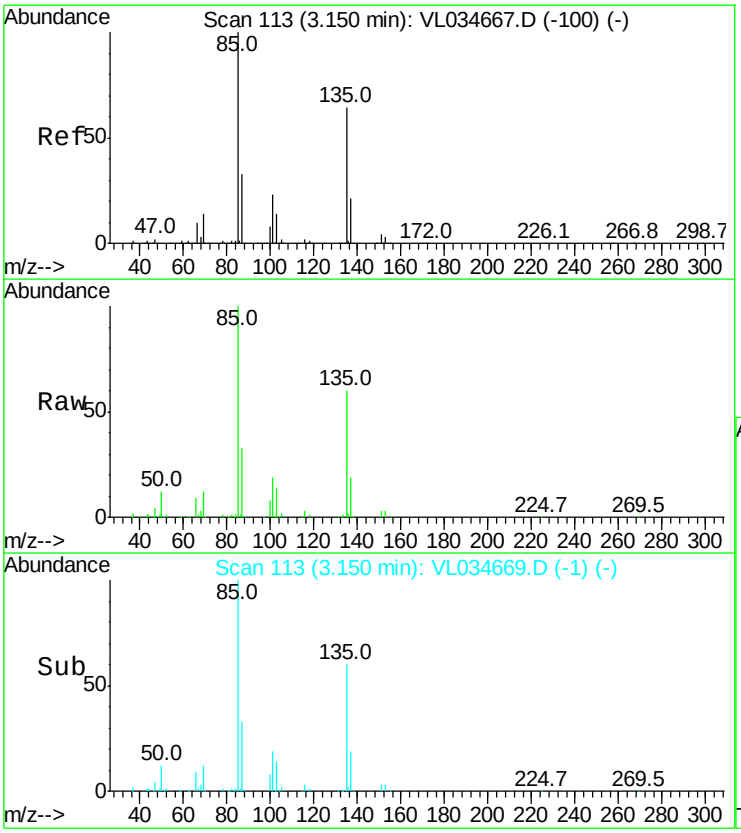
#7
Chloroethane
Concen: 0.971 ppbv
RT: 3.52 min Scan# 229
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 64 Resp: 29589

Ion	Ratio	Lower	Upper
64	100		
66	34.9	26.9	40.3

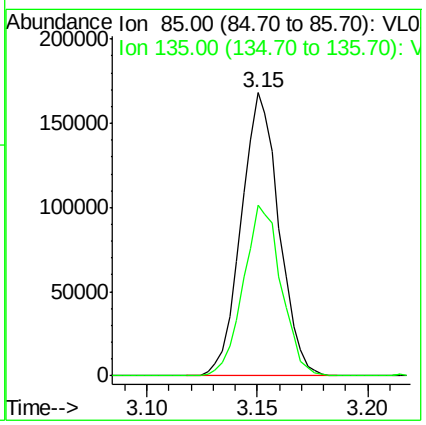


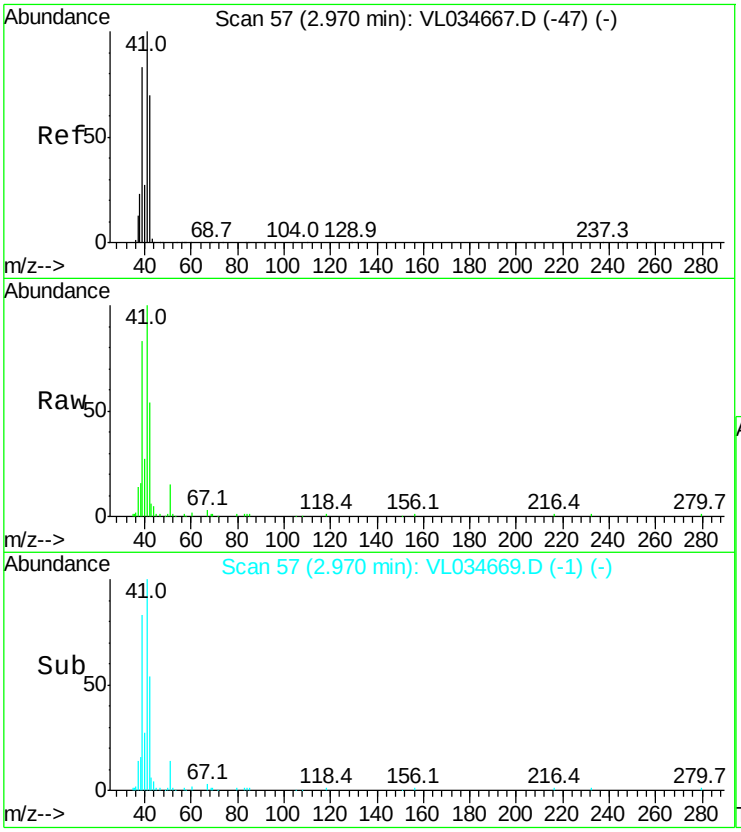


#8
Dichlorotetrafluoroethane
Concen: 1.003 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 85 Resp: 200271

Ion	Ratio	Lower	Upper
85	100		
135	60.4	49.3	73.9



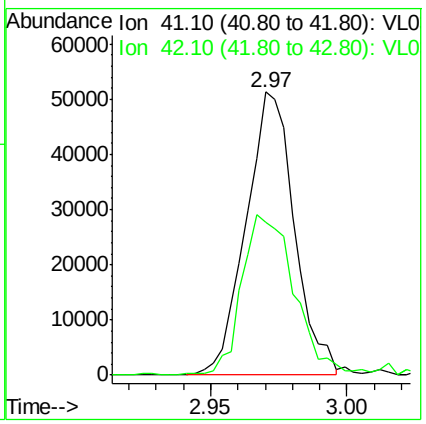


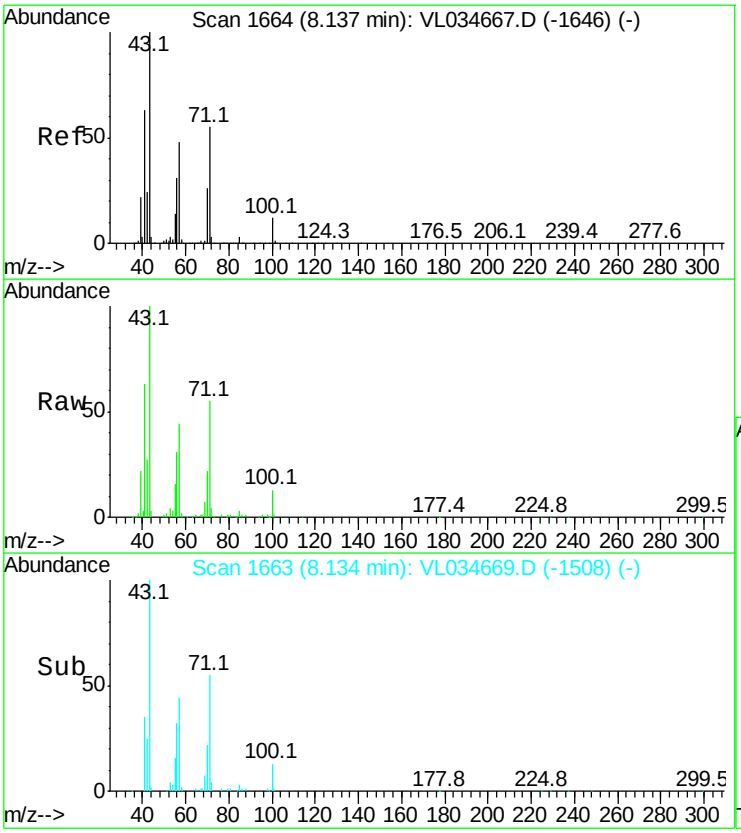
#9
Propene
Concen: 1.154 ppbv
RT: 2.97 min Scan# 57
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 62978

Ion	Ratio	Lower	Upper
41	100		
42	63.8	57.0	85.4

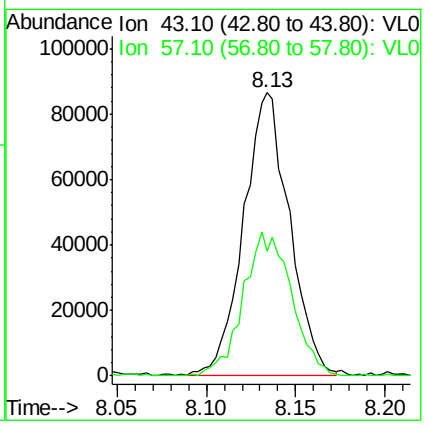


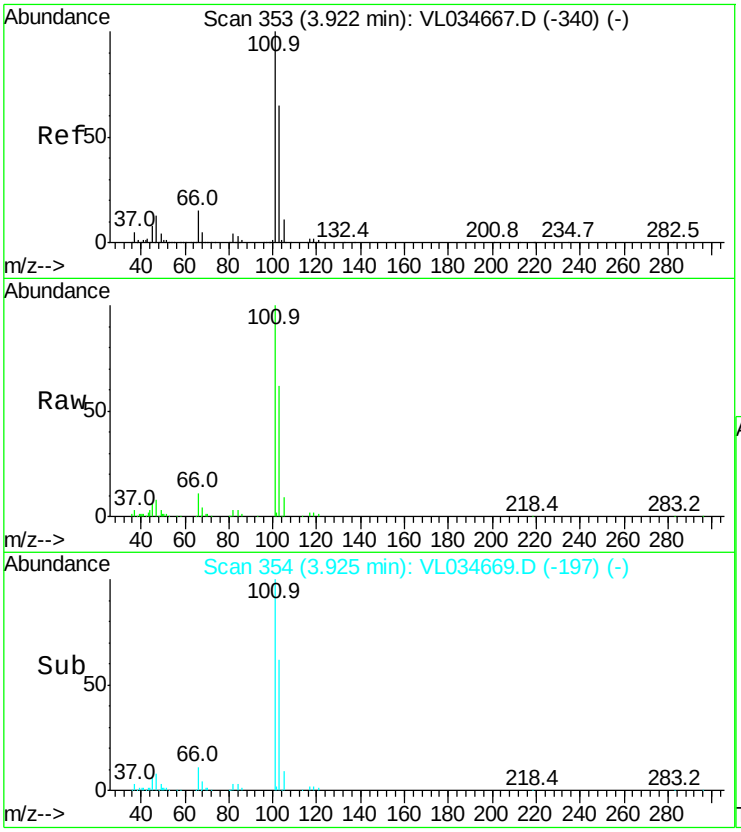


#10
Heptane
Concen: 1.136 ppbv
RT: 8.13 min Scan# 1663
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 43 Resp: 156008

Ion	Ratio	Lower	Upper
43	100		
57	53.7	41.7	62.5



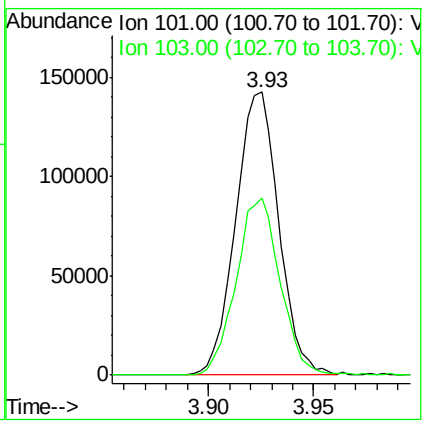


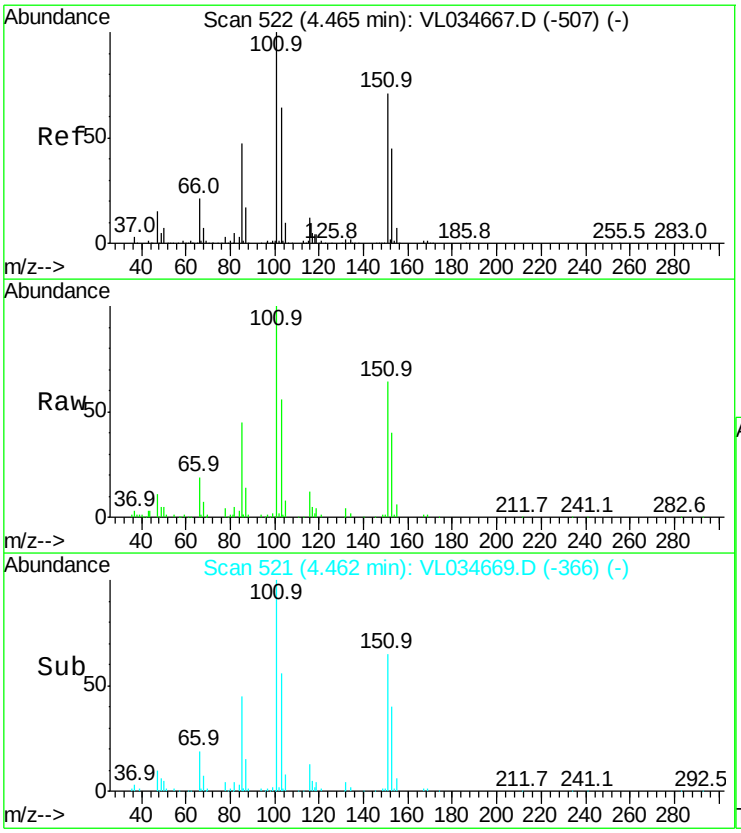
#11
Trichlorofluoromethane
Concen: 0.872 ppbv
RT: 3.93 min Scan# 354
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 202340

Ion	Ratio	Lower	Upper
101	100		
103	62.5	52.3	78.5

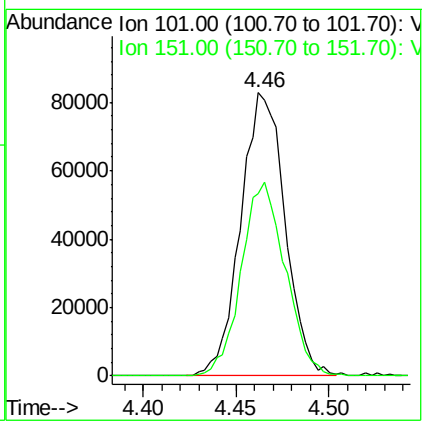


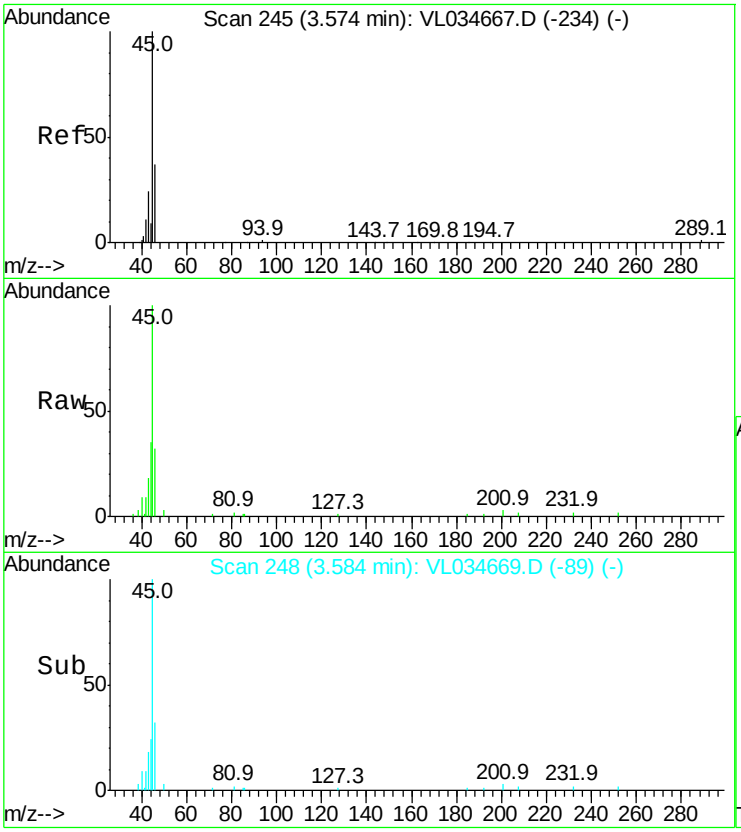


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.908 ppbv
RT: 4.46 min Scan# 521
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion:101 Resp: 137499

Ion	Ratio	Lower	Upper
101	100		
151	68.2	55.5	83.3



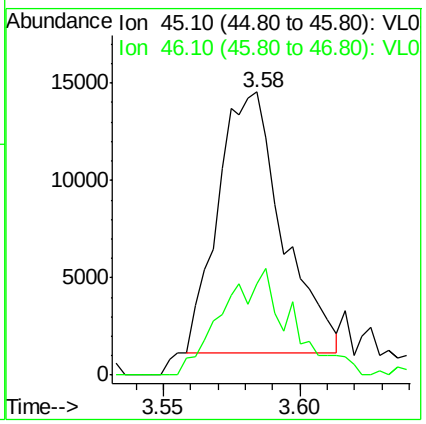


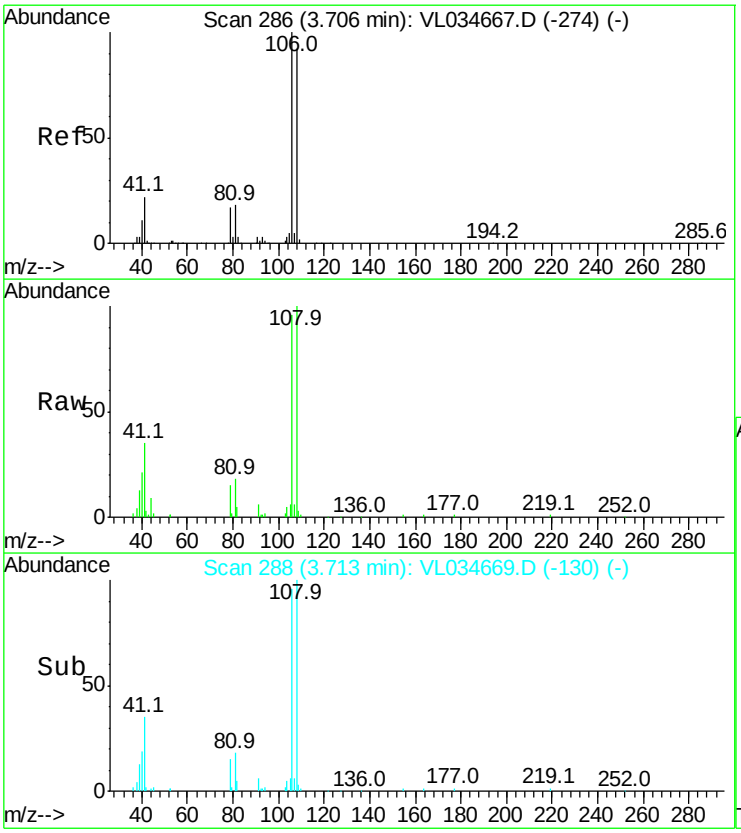
#13
Ethanol
Concen: 1.504 ppbv
RT: 3.58 min Scan# 248
Delta R.T. 0.01 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 21977

Ion	Ratio	Lower	Upper
45	100		
46	44.0	15.1	60.5

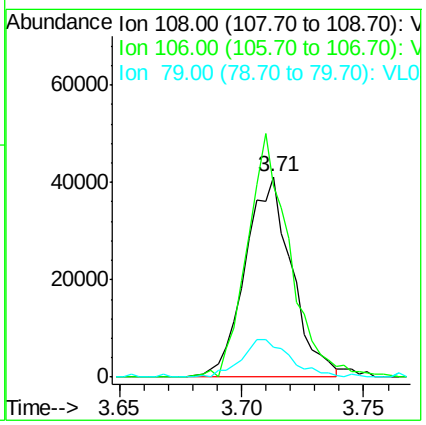


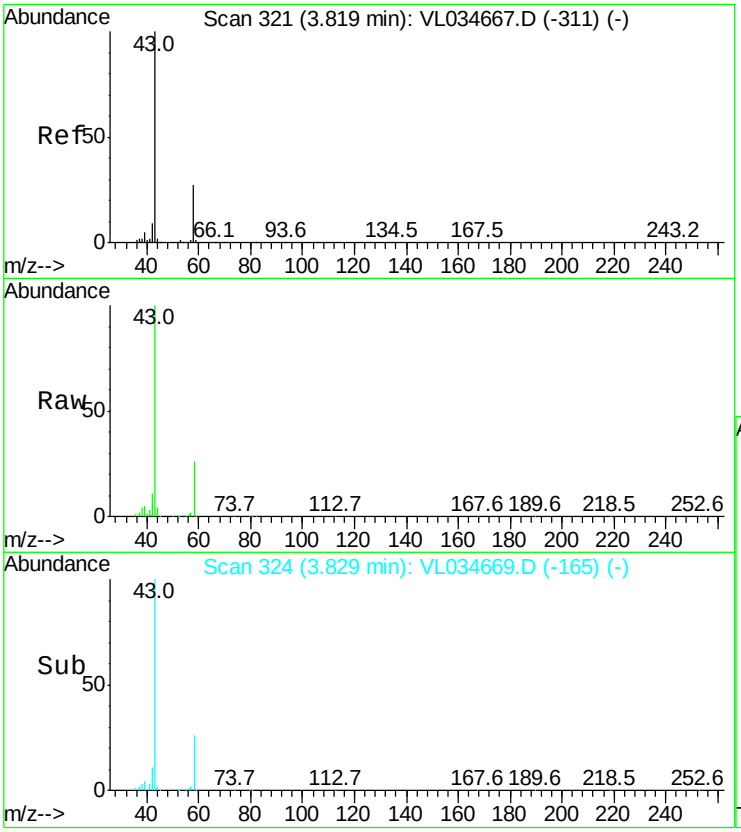


#14
Bromoethene
Concen: 0.912 ppbv
RT: 3.71 min Scan# 288
Delta R.T. 0.01 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion:108 Resp: 54140

Ion	Ratio	Lower	Upper
108	100		
106	111.9	86.4	129.6
79	20.2	14.6	22.0



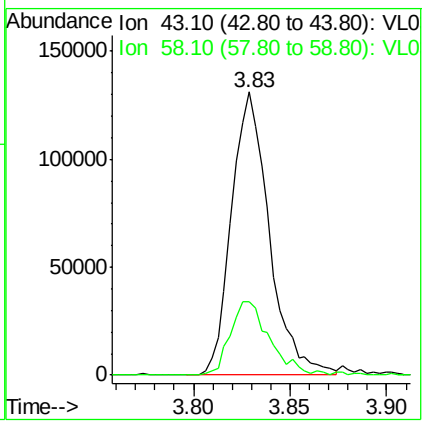


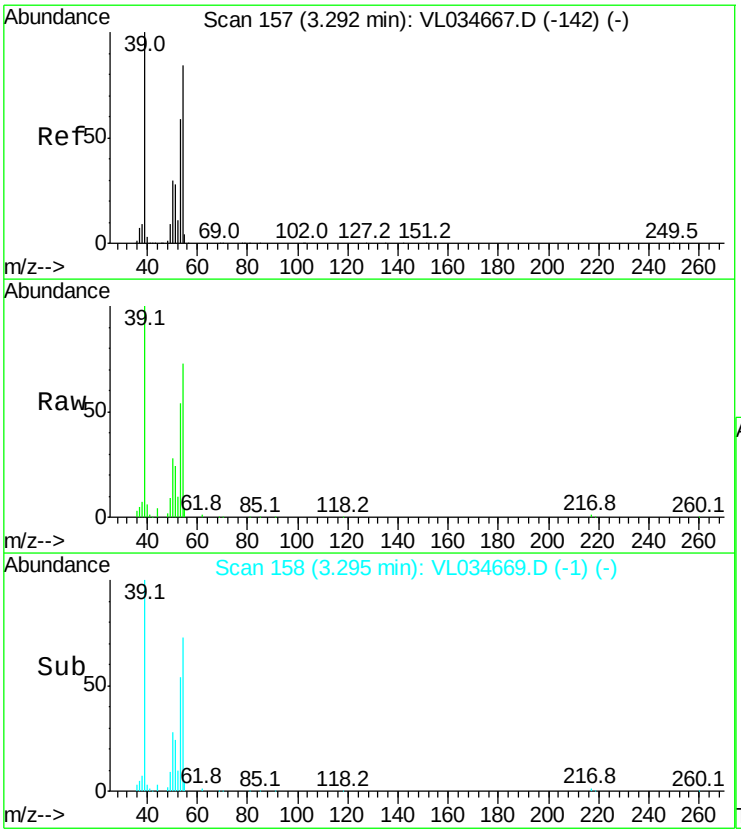
#15
Acetone
Concen: 1.047 ppbv
RT: 3.83 min Scan# 324
Delta R.T. 0.01 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 178499

Ion	Ratio	Lower	Upper
43	100		
58	27.3	21.4	32.0

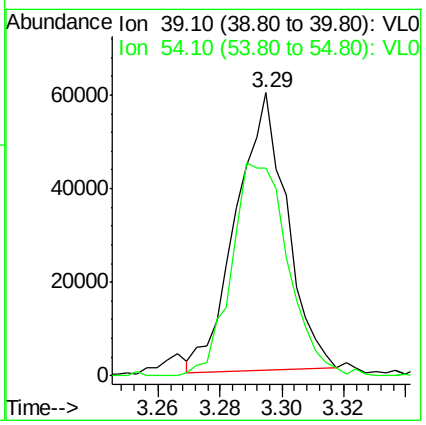


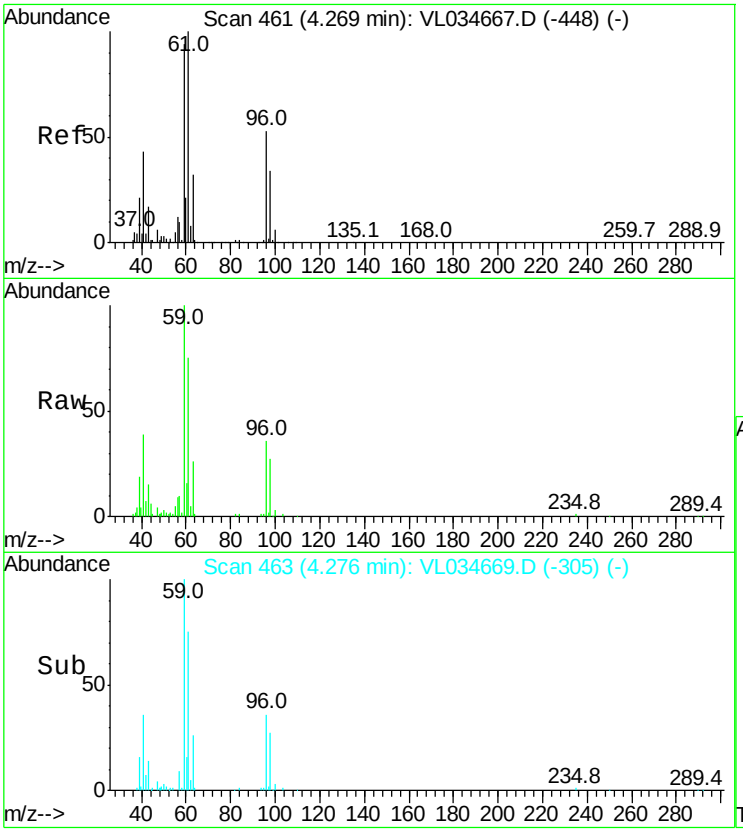


#16
1,3-Butadiene
Concen: 0.998 ppbv
RT: 3.29 min Scan# 158
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 39 Resp: 67521

Ion	Ratio	Lower	Upper
39	100		
54	86.5	68.2	102.2



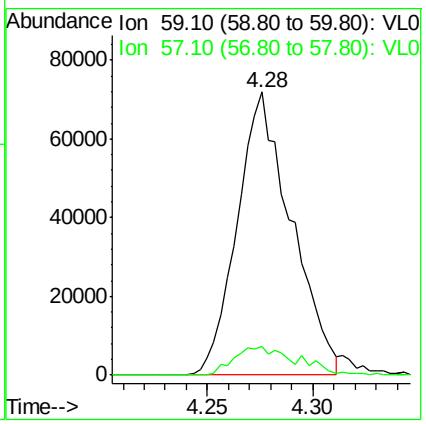


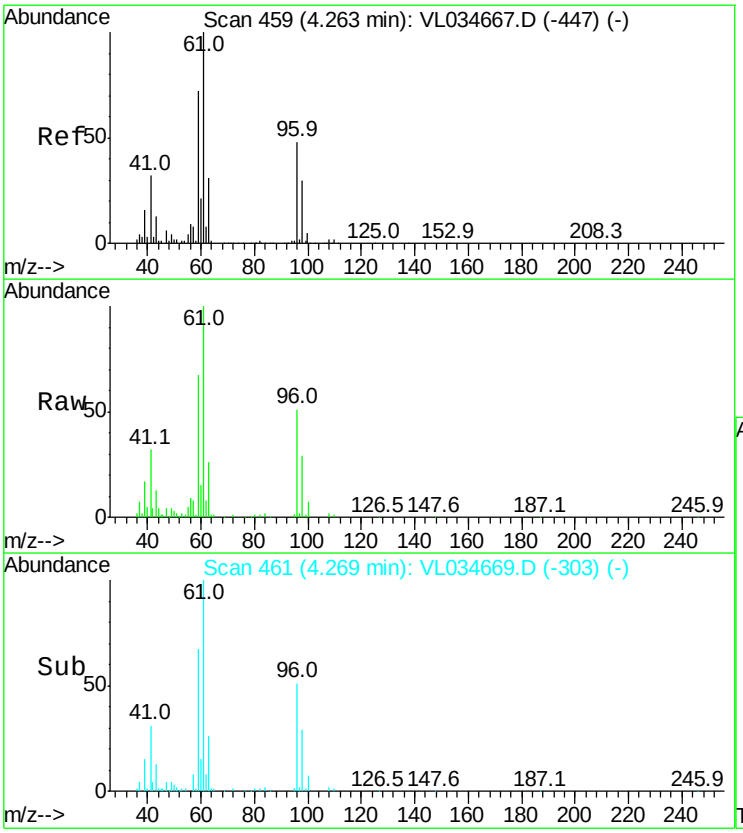
#17
tert-Butyl alcohol
Concen: 1.025 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 128488

Ion	Ratio	Lower	Upper
59	100		
57	11.9	8.8	13.2

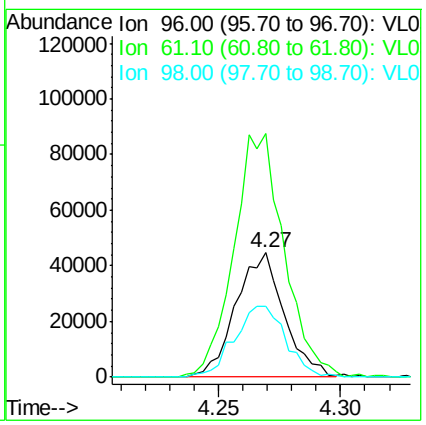


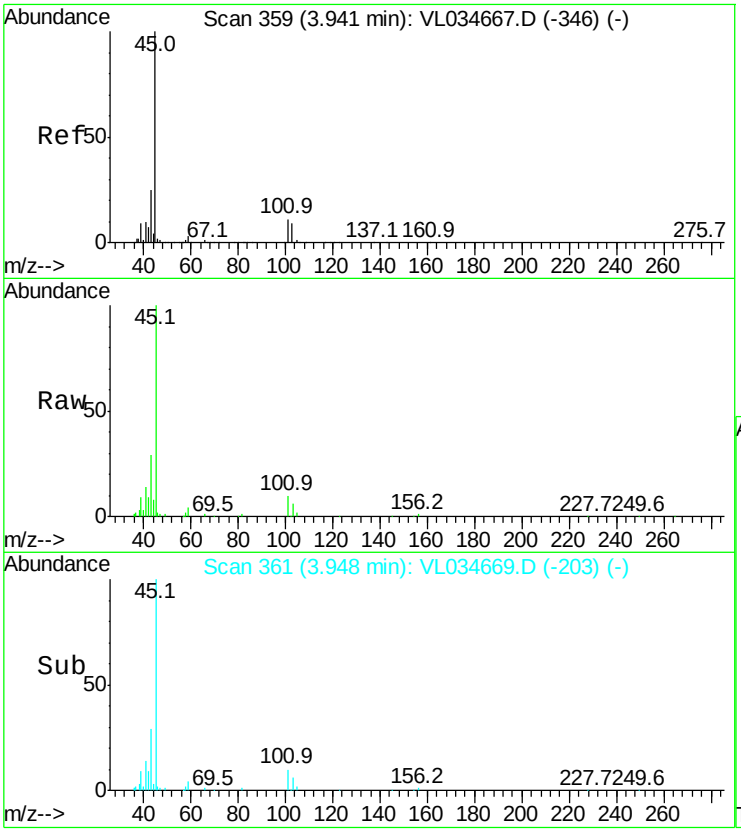


#18
1,1-Dichloroethene
Concen: 0.957 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 96 Resp: 61166

Ion	Ratio	Lower	Upper
96	100		
61	193.3	165.3	247.9
98	56.4	48.9	73.3



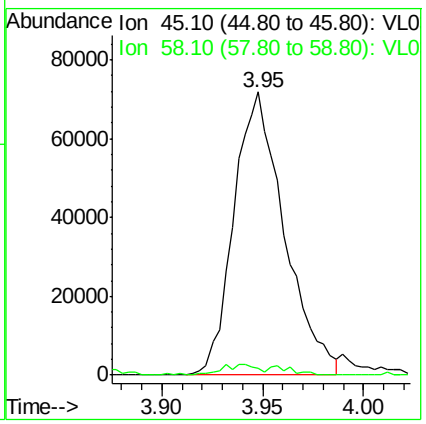


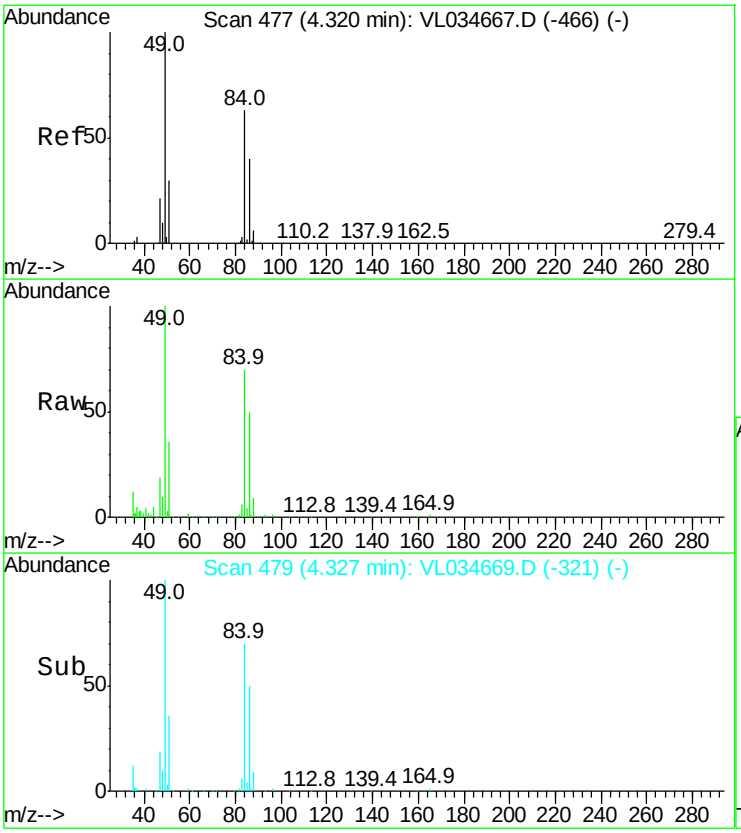
#19
Isopropyl Alcohol
Concen: 1.265 ppbv
RT: 3.95 min Scan# 361
Delta R.T. 0.01 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 45 Resp: 125865

Ion	Ratio	Lower	Upper
45	100		
58	4.2	1.8	2.8#

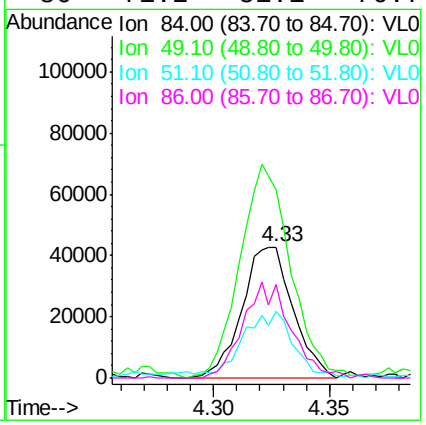


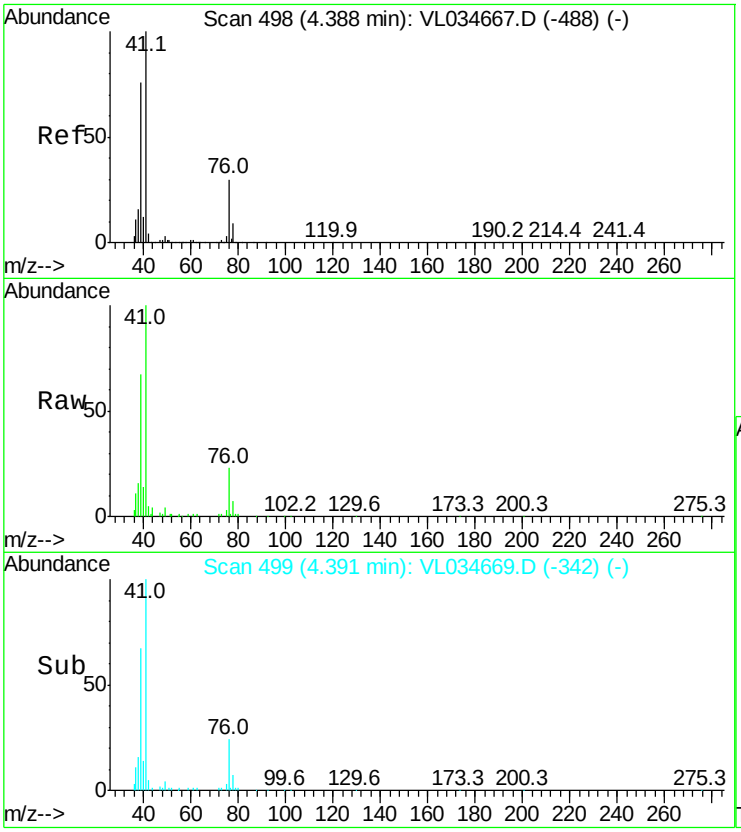


#20
Methylene Chloride
Concen: 1.003 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.01 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 84 Resp: 65079

Ion	Ratio	Lower	Upper
84	100		
49	143.4	127.6	191.4
51	49.4	39.7	59.5
86	71.2	51.1	76.7



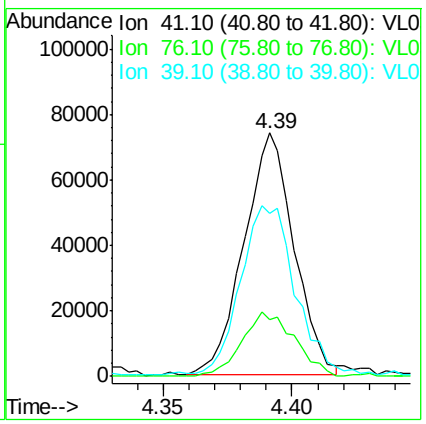


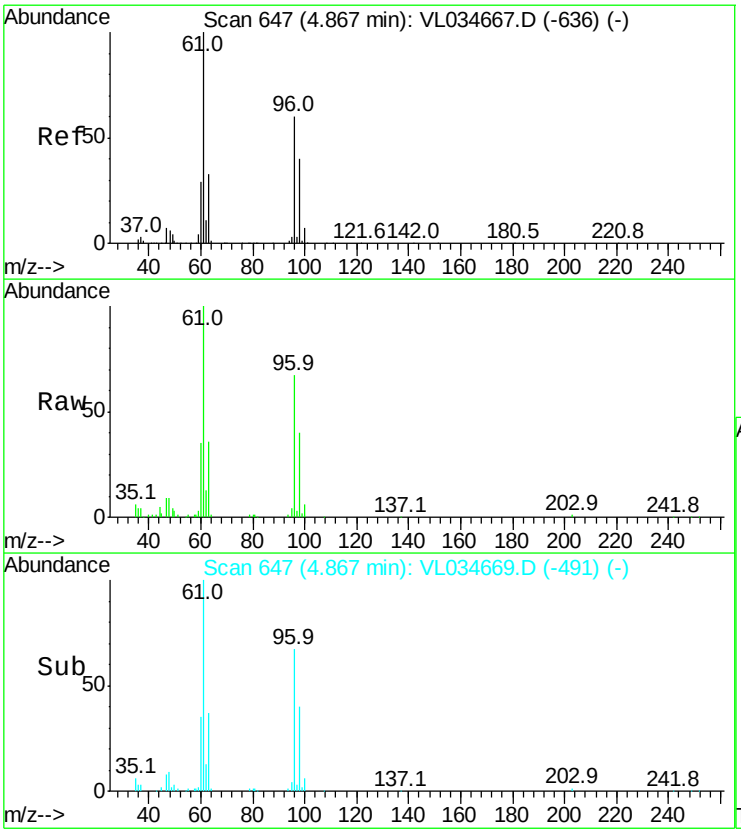
#21
Allyl Chloride
Concen: 0.943 ppbv
RT: 4.39 min Scan# 499
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 41 Resp: 99817

Ion	Ratio	Lower	Upper
41	100		
76	28.7	23.6	35.4
39	77.8	61.6	92.4

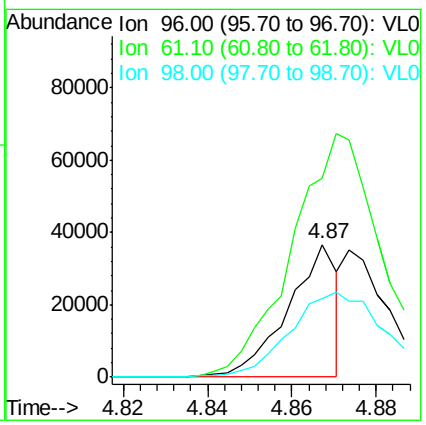


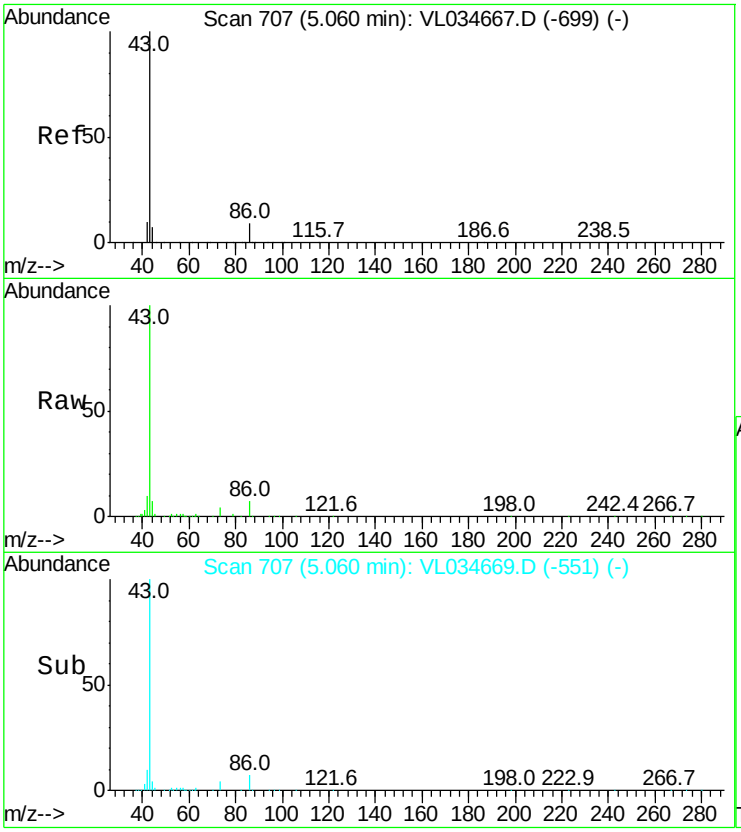


#22
trans-1,2-Dichloroethene
Concen: 0.445 ppbv
RT: 4.87 min Scan# 647
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 96 Resp: 29813

Ion	Ratio	Lower	Upper
96	100		
61	149.5	134.3	201.5
98	59.6	53.8	80.8



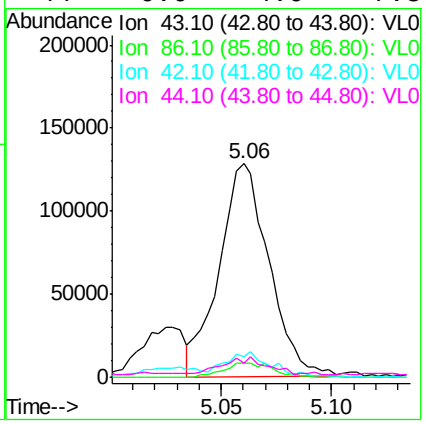


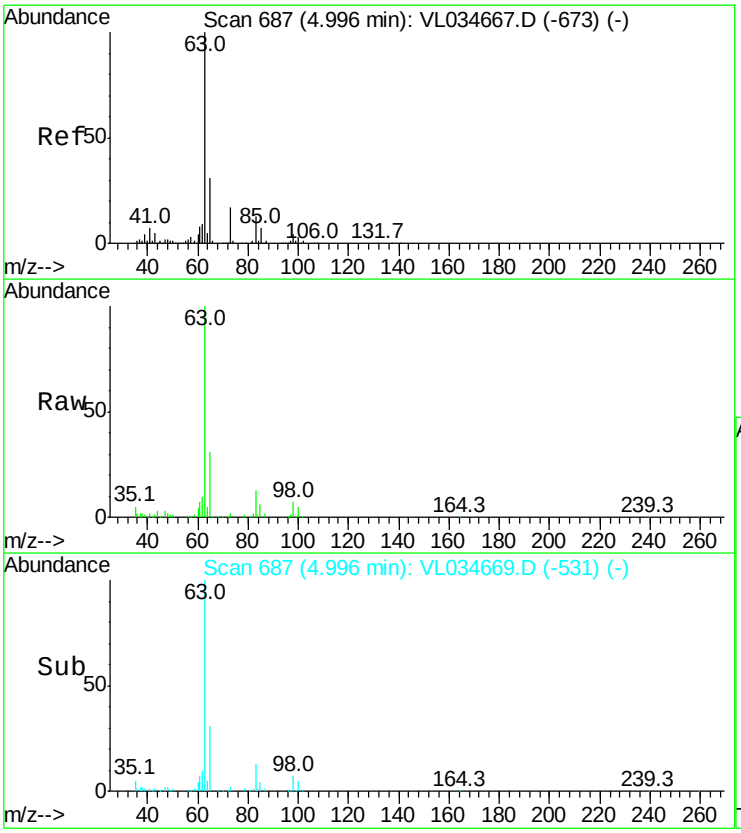
#23
Vinyl Acetate
Concen: 1.036 ppbv
RT: 5.06 min Scan# 707
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 201400

Ion	Ratio	Lower	Upper
43	100		
86	6.4	6.3	9.5
42	9.6	8.6	12.8
44	6.0	4.9	7.3

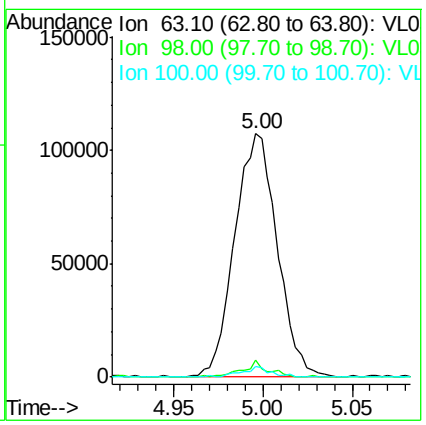


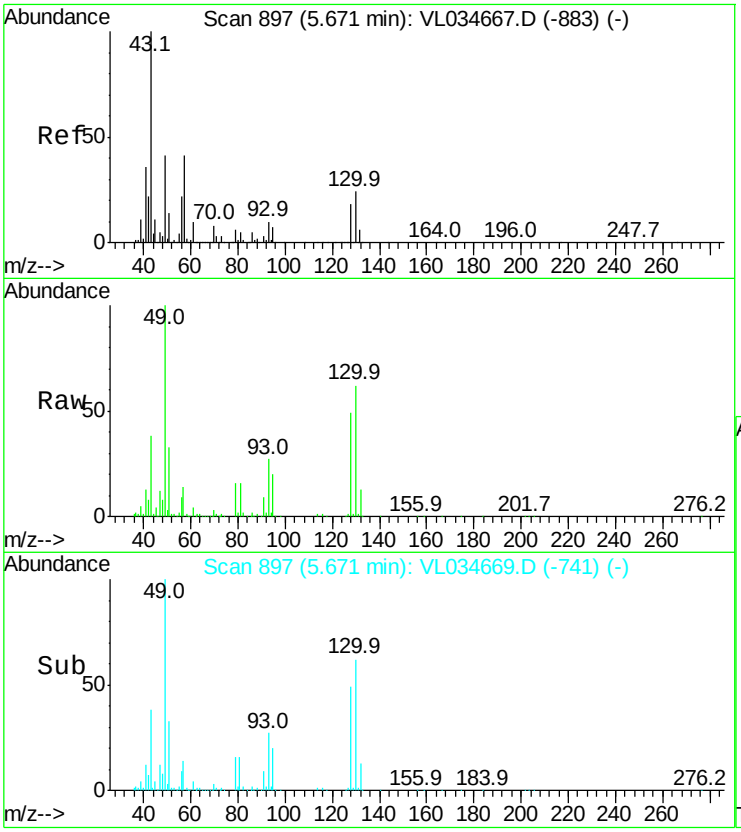


#24
1,1-Dichloroethane
Concen: 1.102 ppbv
RT: 5.00 min Scan# 687
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 63 Resp: 178892

Ion	Ratio	Lower	Upper
63	100		
98	7.0	2.2	6.6#
100	4.5	1.4	4.2#



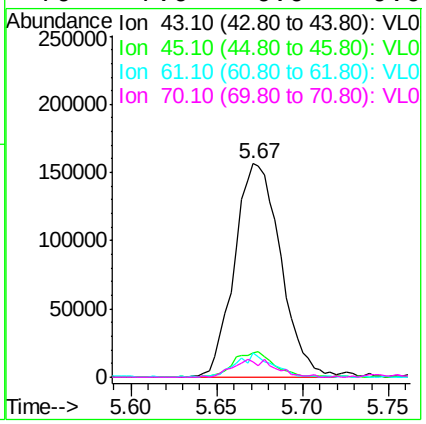


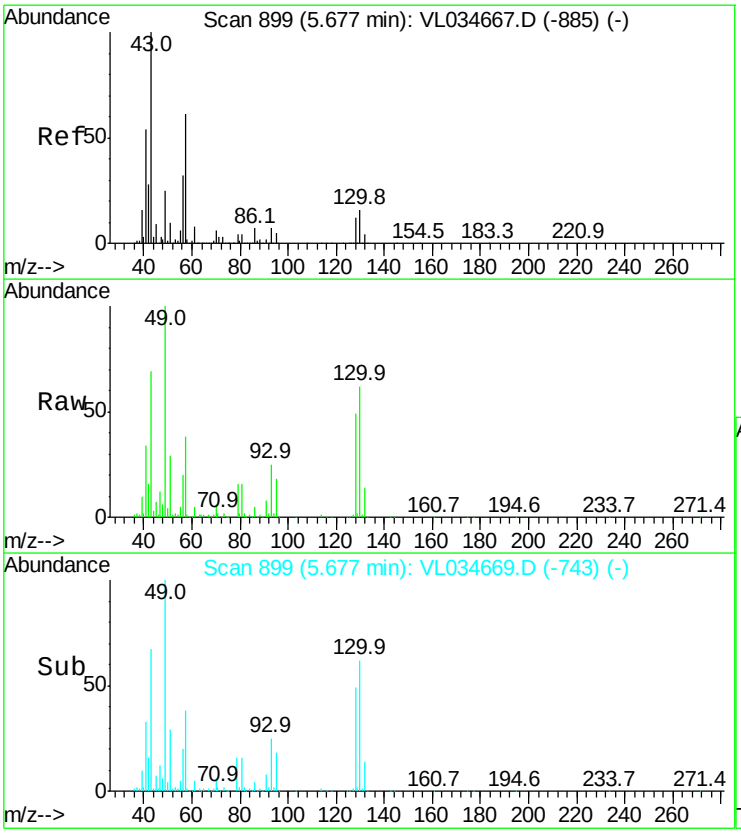
#25
Ethyl Acetate
Concen: 1.053 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 290703

Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.3	12.5
61	9.7	7.8	11.6
70	7.6	6.0	9.0

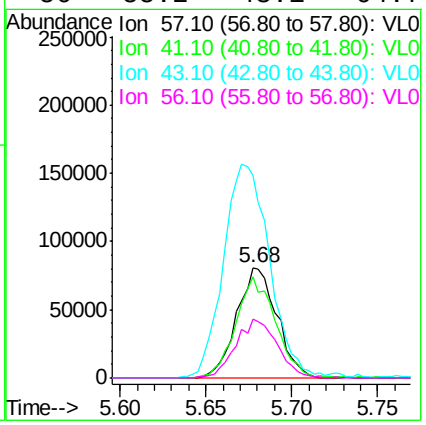


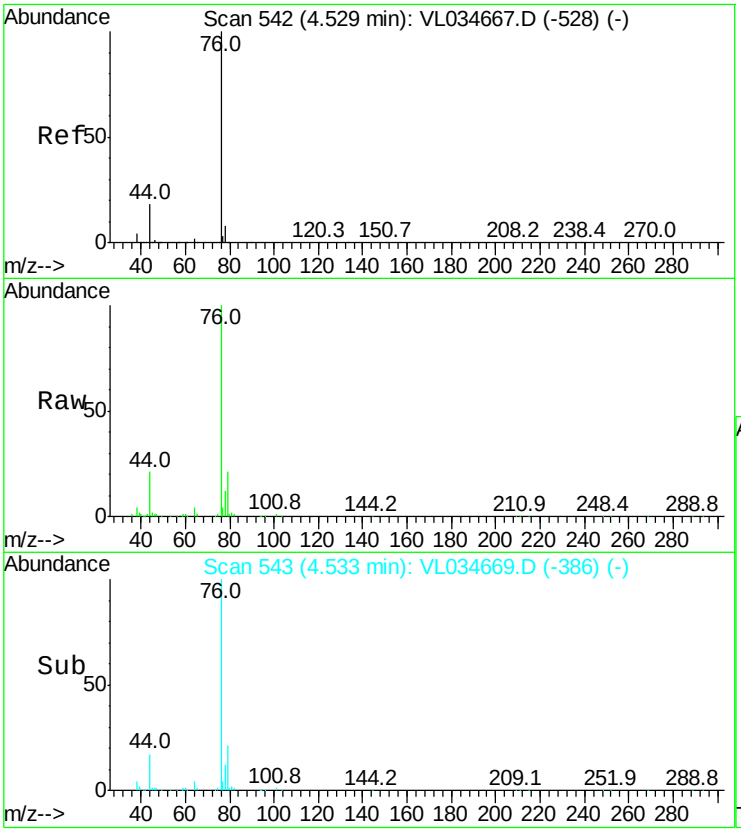


#26
Hexane
Concen: 1.134 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 57 Resp: 131038

Ion	Ratio	Lower	Upper
57	100		
41	92.4	72.0	108.0
43	224.4	178.7	268.1
56	55.2	43.1	64.7



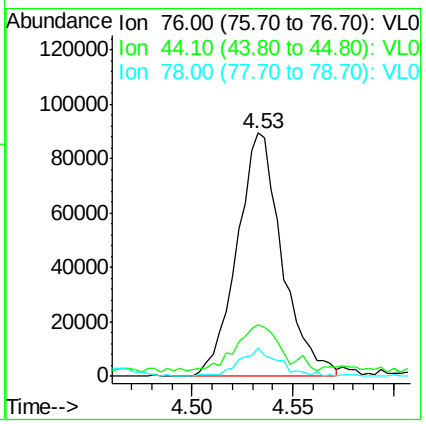


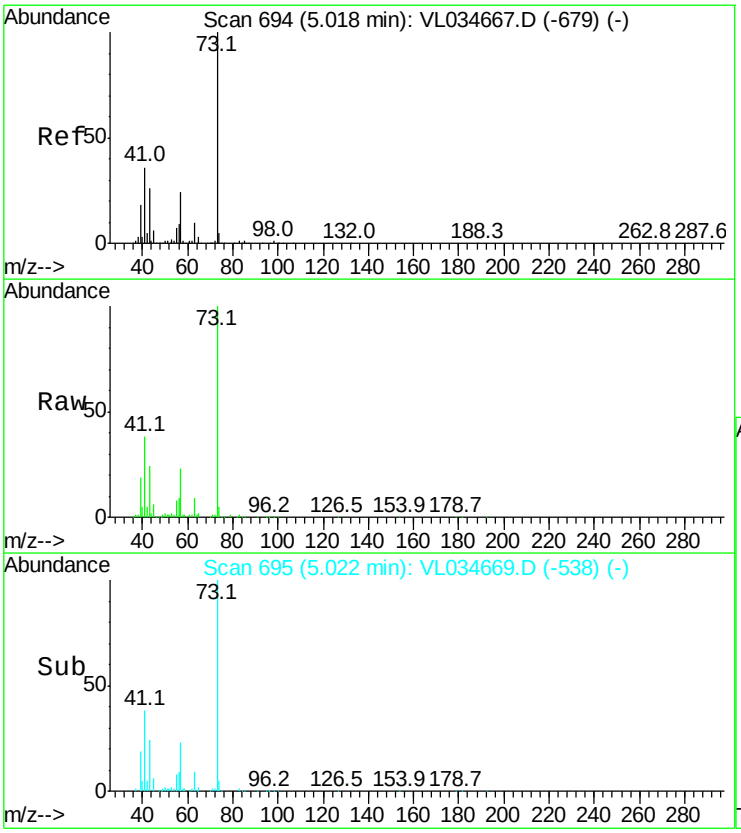
#27
Carbon Disulfide
Concen: 0.898 ppbv
RT: 4.53 min Scan# 543
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 76 Resp: 140004

Ion	Ratio	Lower	Upper
76	100		
44	21.6	15.0	22.4
78	10.8	7.7	11.5

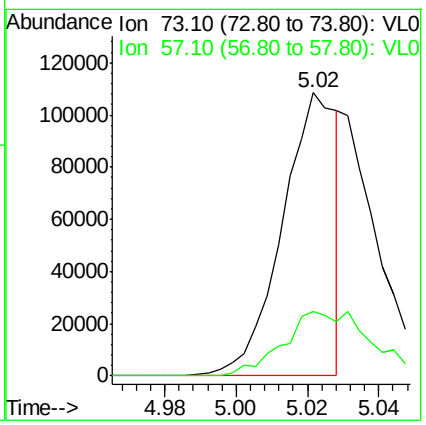


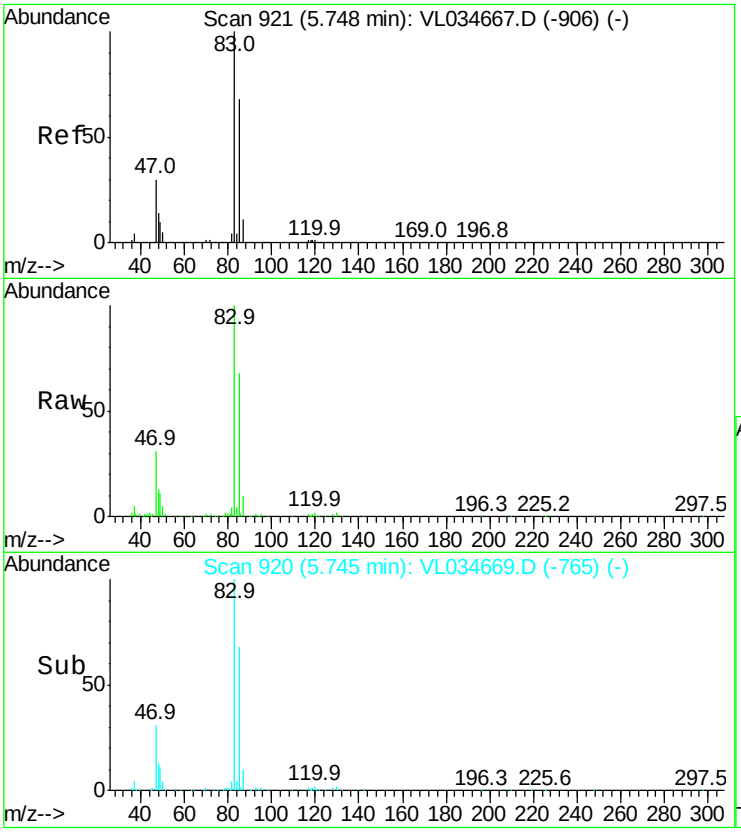


#28
Methyl tert-Butyl Ether
Concen: 0.586 ppbv
RT: 5.02 min Scan# 695
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 73 Resp: 115470

Ion	Ratio	Lower	Upper
73	100		
57	36.9	18.7	28.1#



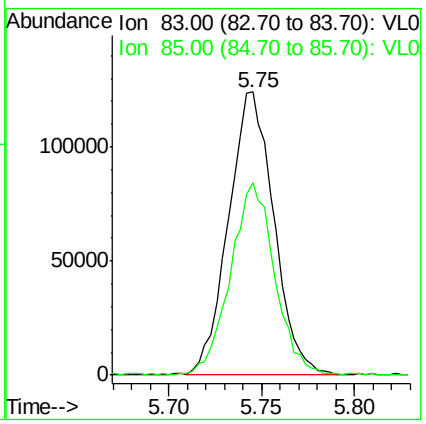


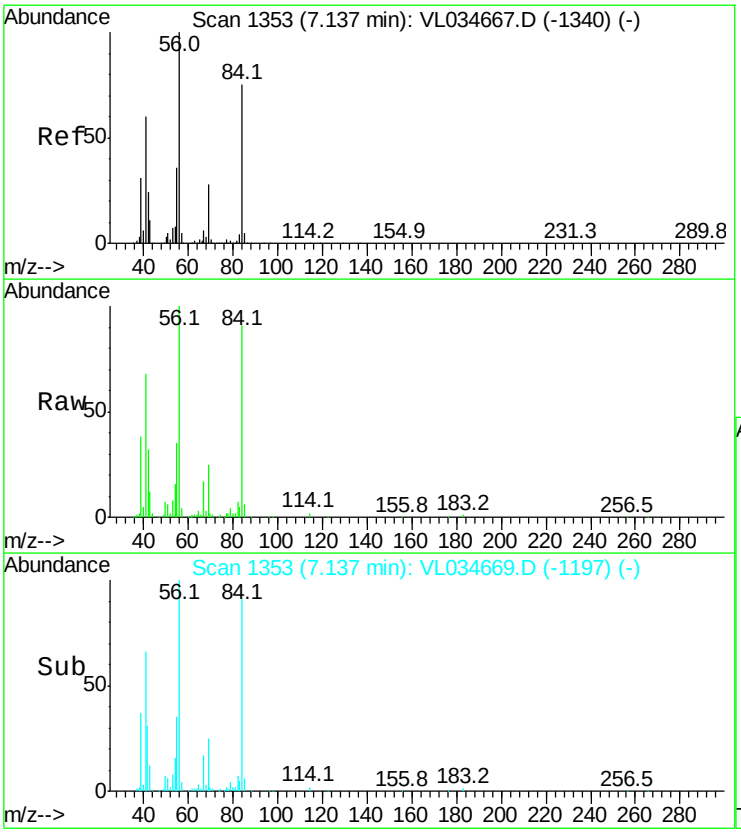
#29
Chloroform
Concen: 1.026 ppbv
RT: 5.75 min Scan# 920
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 209754

Ion	Ratio	Lower	Upper
83	100		
85	67.6	54.7	82.1

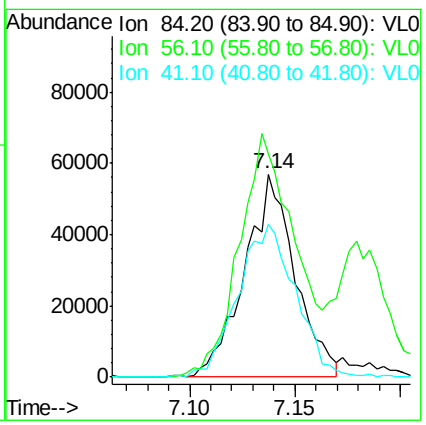


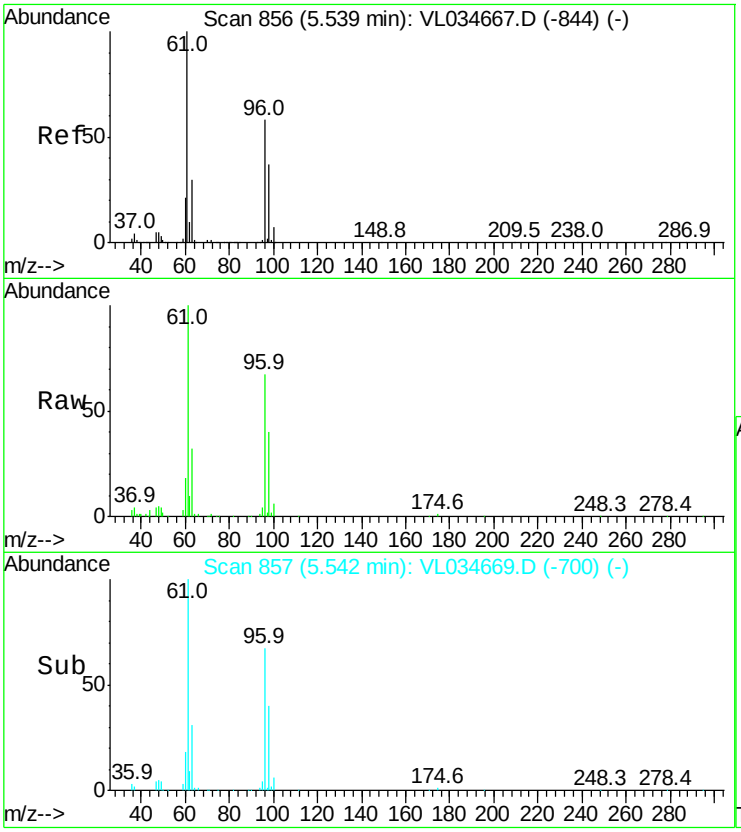


#30
Cyclohexane
Concen: 1.104 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 84 Resp: 94561

Ion	Ratio	Lower	Upper
84	100		
56	128.4	113.4	170.2
41	86.4	69.5	104.3



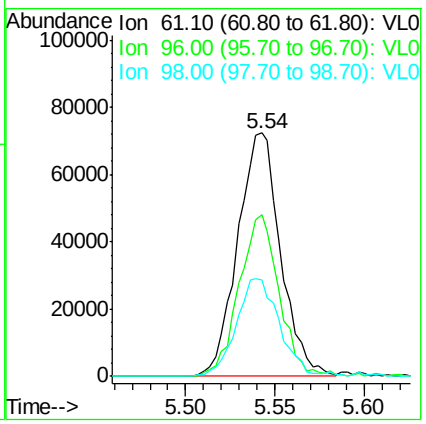


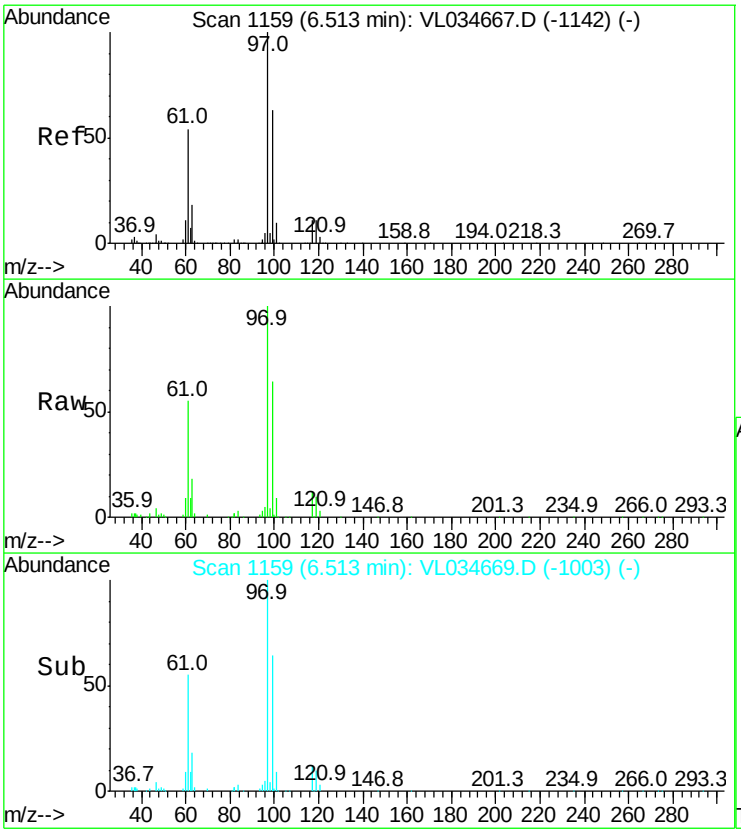
#31
cis-1,2-Dichloroethene
Concen: 1.010 ppbv
RT: 5.54 min Scan# 857
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 61 Resp: 121290

Ion	Ratio	Lower	Upper
61	100		
96	66.6	46.6	69.8
98	39.5	29.3	43.9

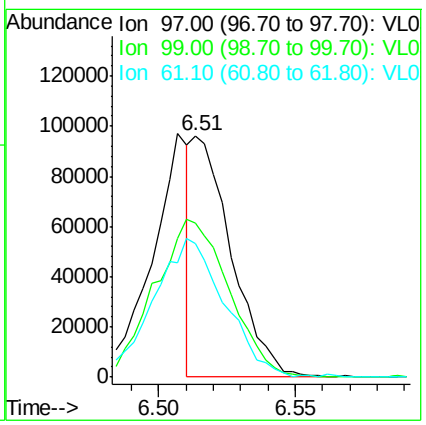


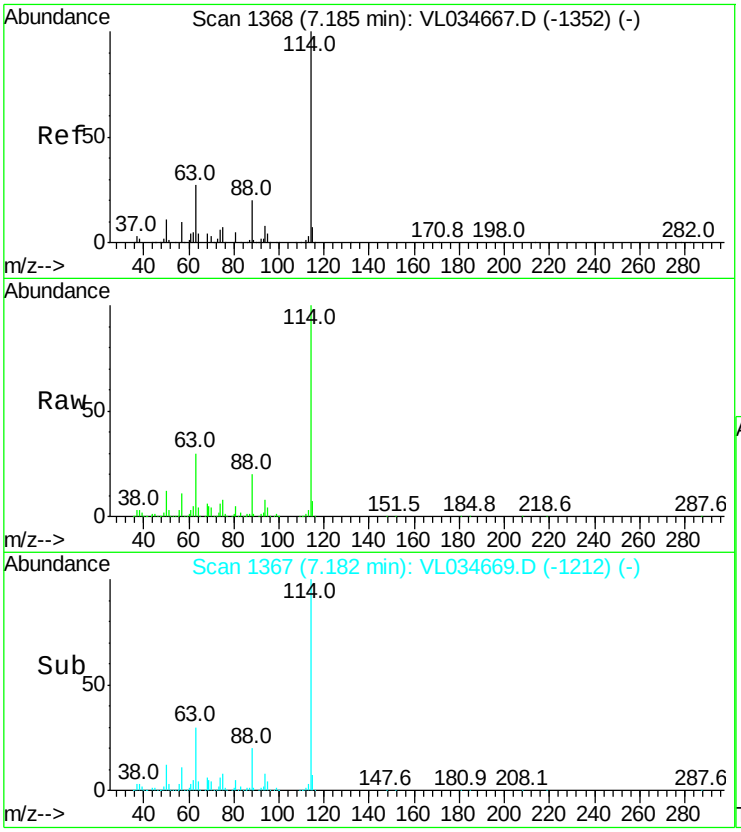


#32
1,1,1-Trichloroethane
Concen: 0.432 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 97 Resp: 94830

Ion	Ratio	Lower	Upper
97	100		
99	126.5	52.2	78.2#
61	107.1	44.5	66.7#



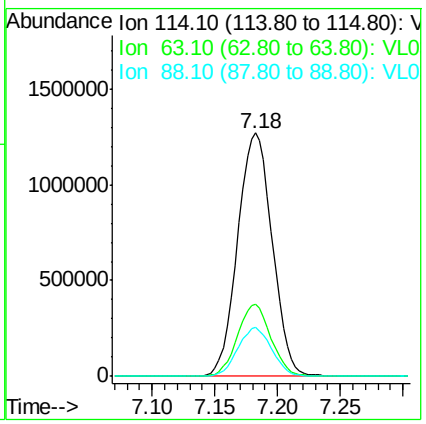


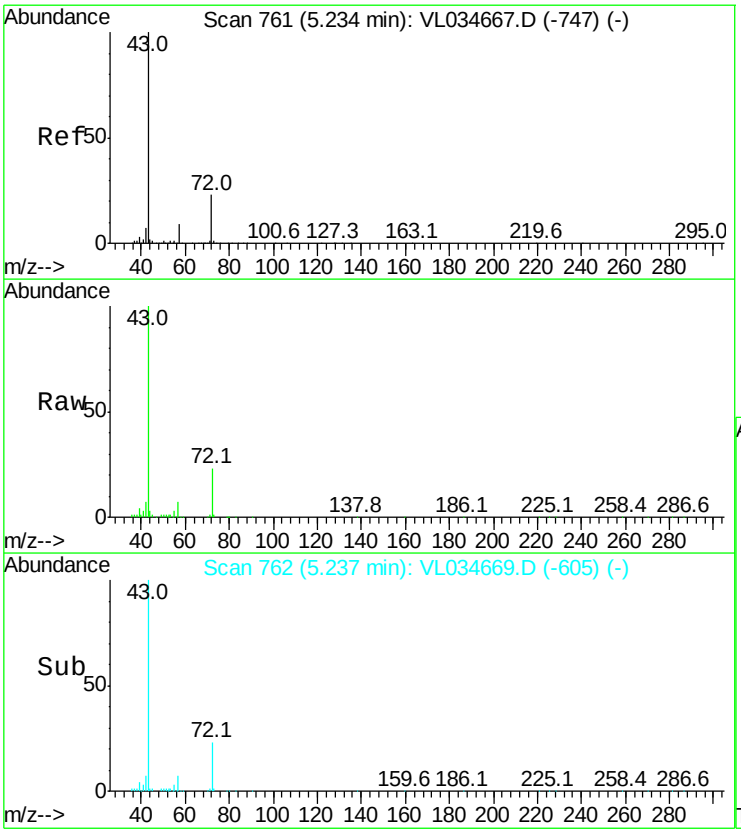
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:114 Resp: 2438188

Ion	Ratio	Lower	Upper
114	100		
63	28.9	23.1	34.7
88	19.7	15.6	23.4

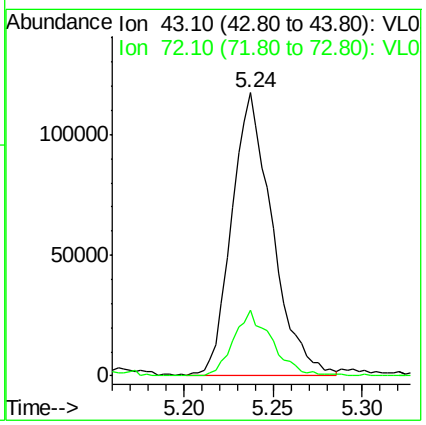


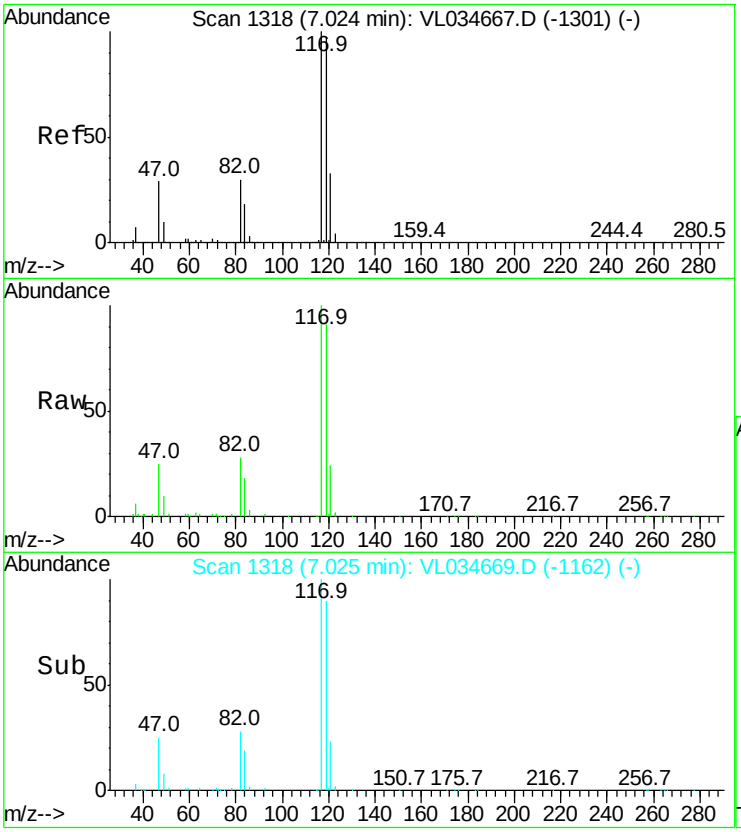


#34
2-Butanone
Concen: 1.040 ppbv
RT: 5.24 min Scan# 762
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 43 Resp: 184030

Ion	Ratio	Lower	Upper
43	100		
72	22.4	17.8	26.8



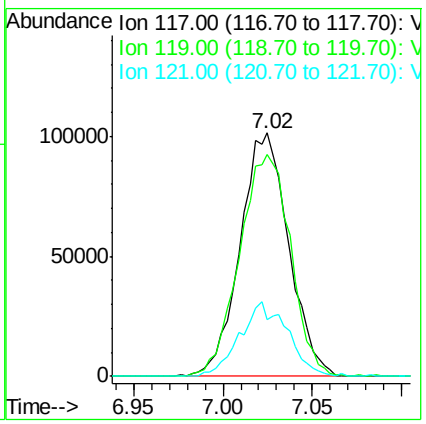


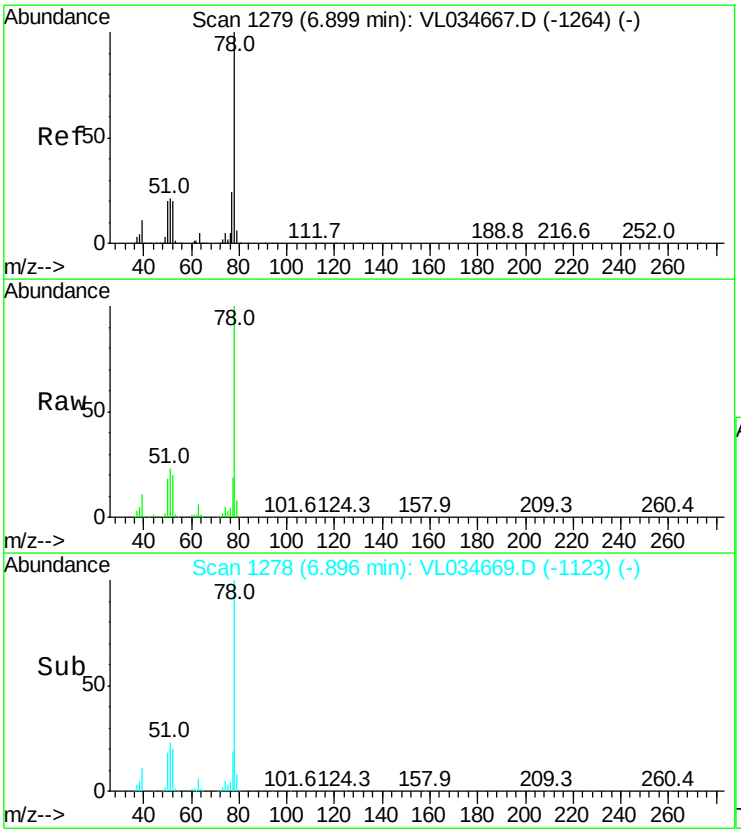
#35
Carbon Tetrachloride
Concen: 0.827 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:117 Resp: 192715

Ion	Ratio	Lower	Upper
117	100		
119	90.9	77.2	115.8
121	23.3	26.1	39.1#

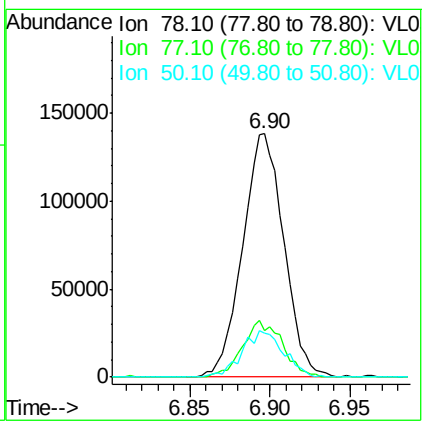


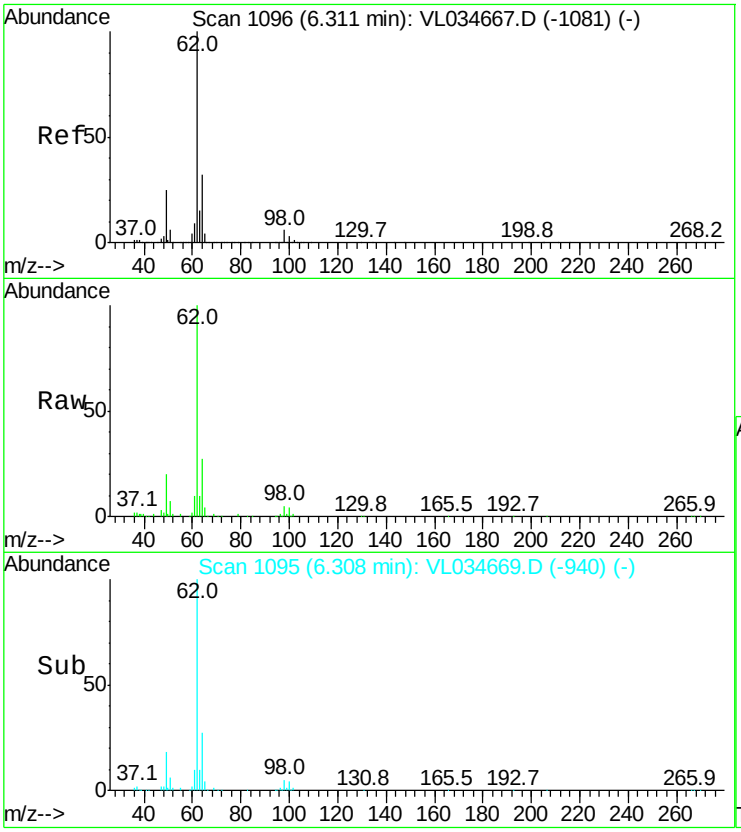


#36
Benzene
Concen: 1.124 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 78 Resp: 243634

Ion	Ratio	Lower	Upper
78	100		
77	19.2	19.2	28.8
50	18.0	15.9	23.9



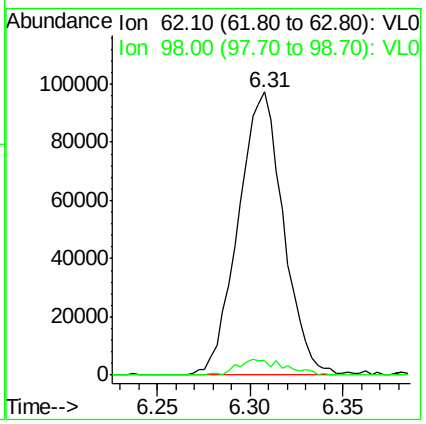


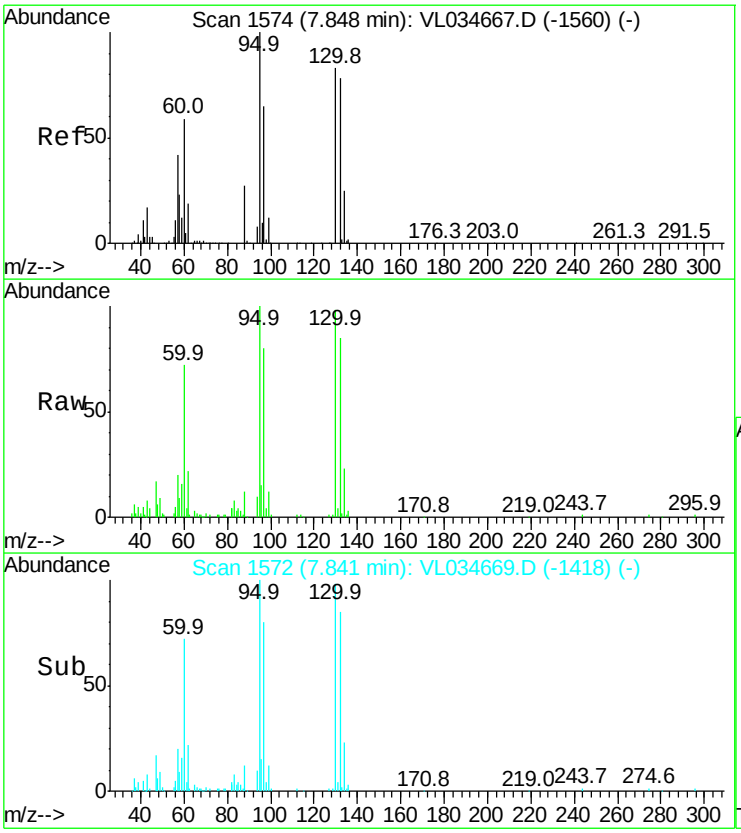
#37
1,2-Dichloroethane
Concen: 0.912 ppbv
RT: 6.31 min Scan# 1095
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 62 Resp: 165004

Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.5	6.7

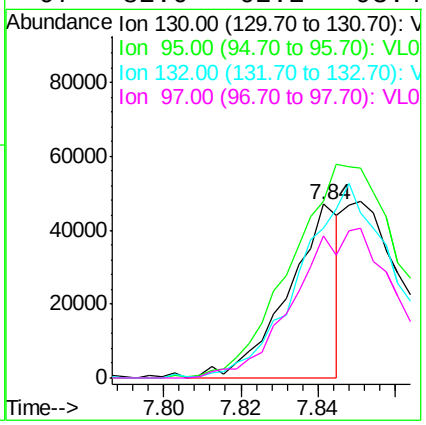


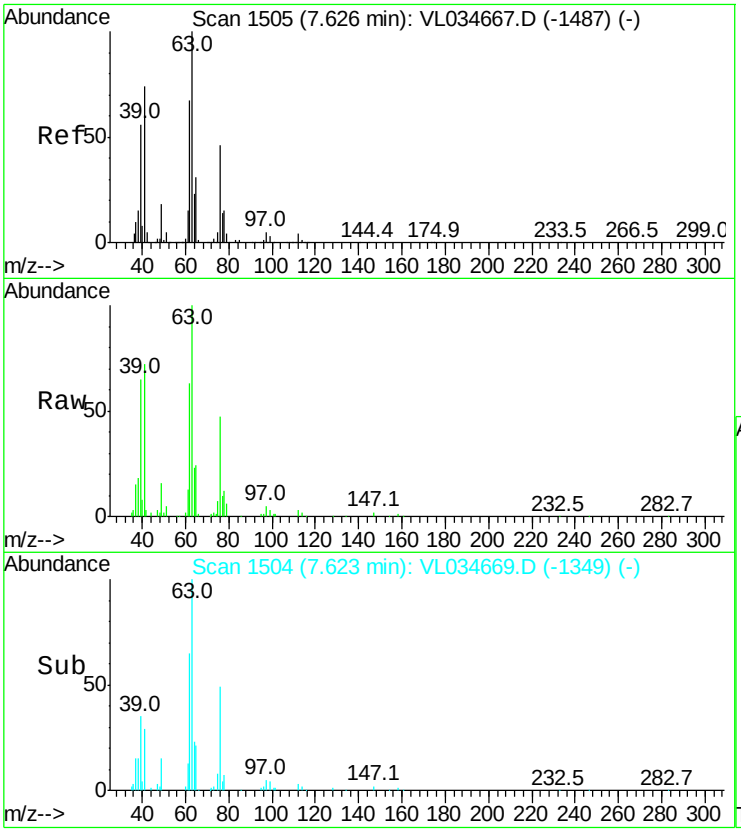


#38
Trichloroethene
Concen: 0.469 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion:130 Resp: 42892

Ion	Ratio	Lower	Upper
130	100		
95	101.5	96.1	144.1
132	85.6	74.6	112.0
97	82.0	62.2	93.4



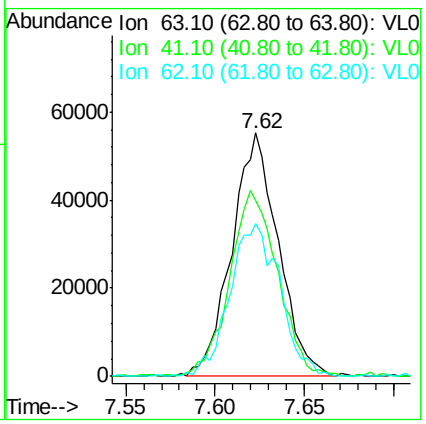


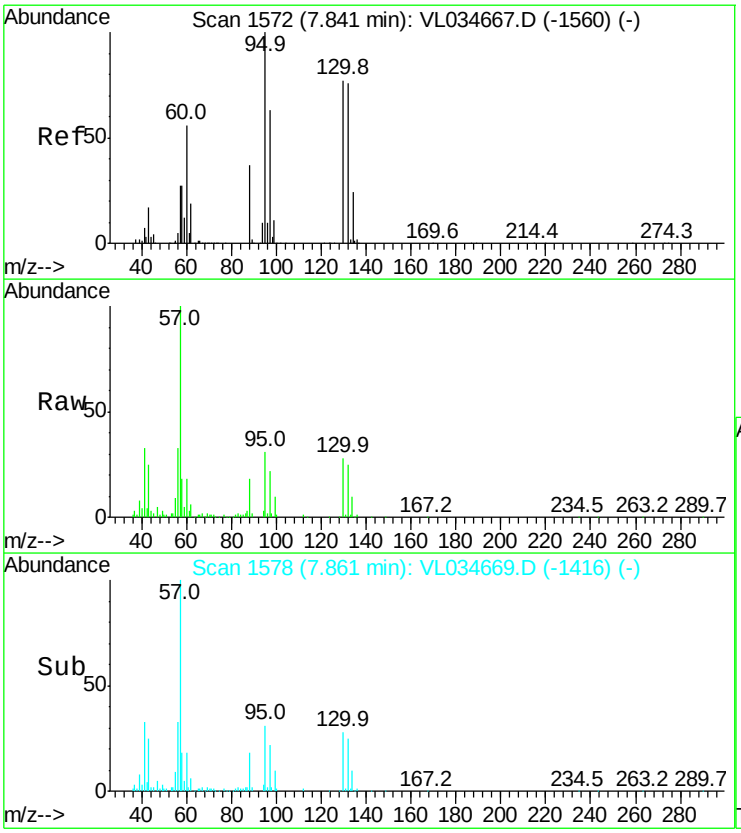
#39
1,2-Dichloropropane
Concen: 1.118 ppbv
RT: 7.62 min Scan# 1504
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 63 Resp: 100459

Ion	Ratio	Lower	Upper
63	100		
41	71.2	58.9	88.3
62	62.9	53.8	80.8

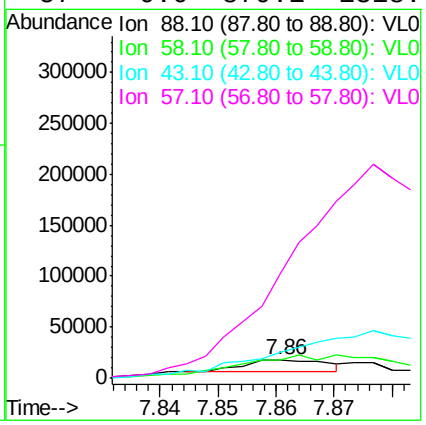


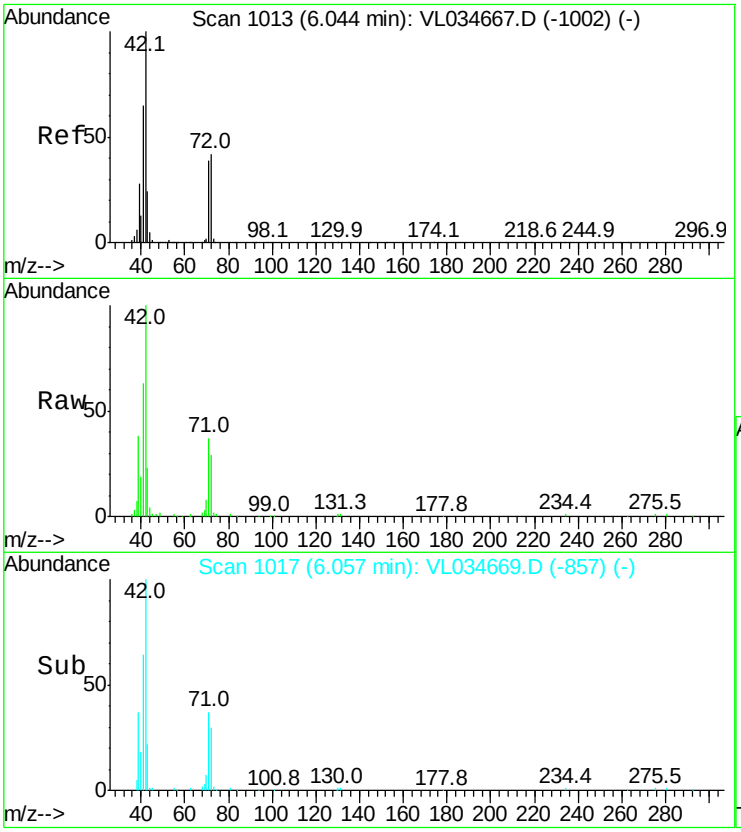


#40
1,4-Dioxane
Concen: 0.335 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. 0.02 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 88 Resp: 11561

Ion	Ratio	Lower	Upper
88	100		
58	500.6	108.6	163.0#
43	0.0	208.1	312.1#
57	0.0	879.1	1318.7#



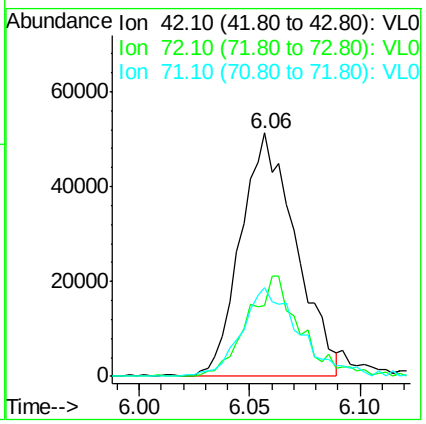


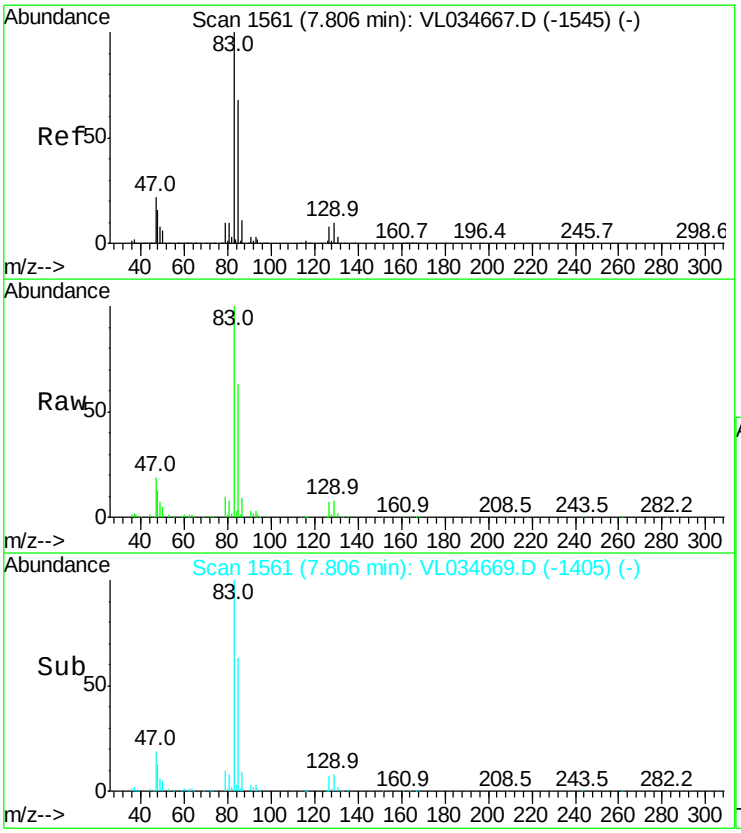
#41
Tetrahydrofuran
Concen: 0.963 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. 0.01 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 42 Resp: 88905

Ion	Ratio	Lower	Upper
42	100		
72	39.7	31.5	47.3
71	38.5	30.3	45.5

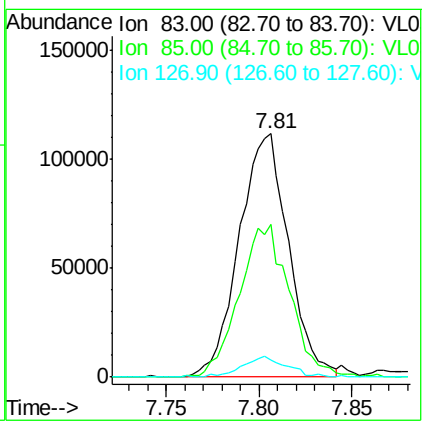


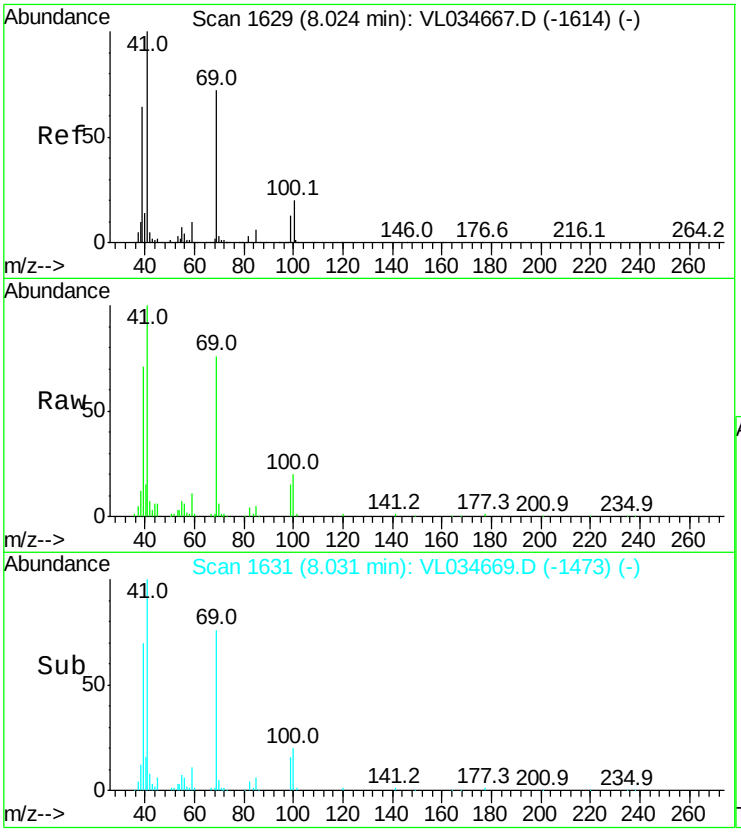


#42
Bromodichloromethane
Concen: 0.930 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 83 Resp: 207165

Ion	Ratio	Lower	Upper
83	100		
85	61.7	54.2	81.4
127	6.5	6.2	9.4



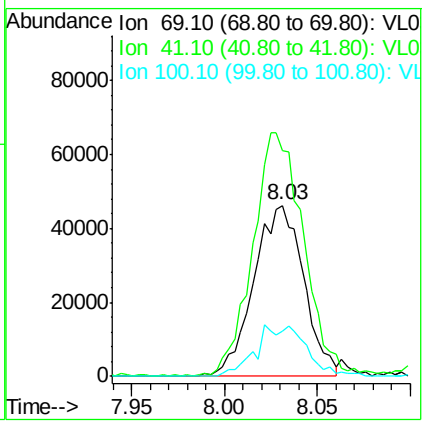


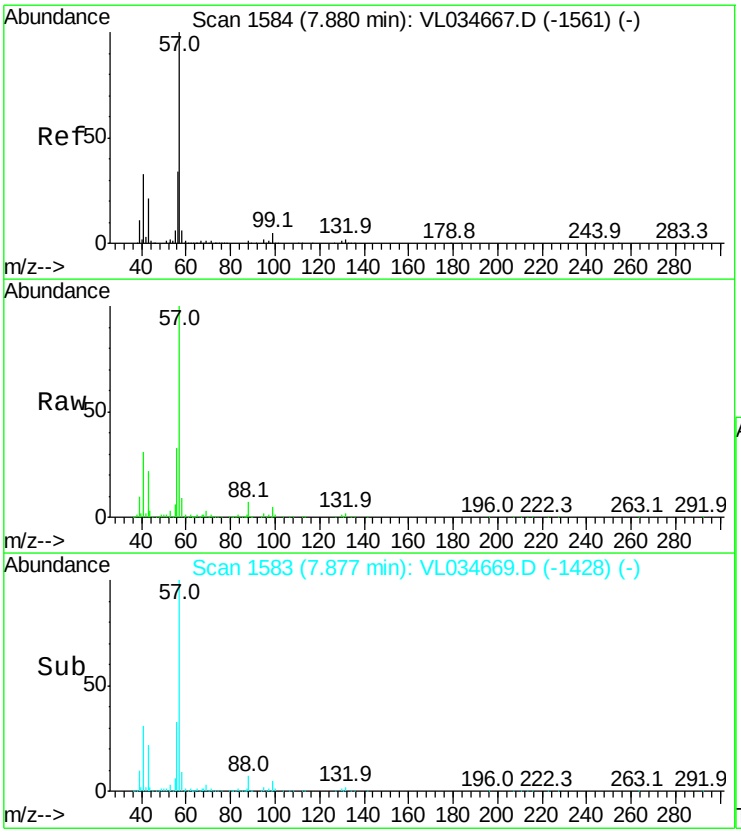
#43
Methyl Methacrylate
Concen: 0.992 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 69 Resp: 86510

Ion	Ratio	Lower	Upper
69	100		
41	146.5	116.4	174.6
100	30.2	24.3	36.5

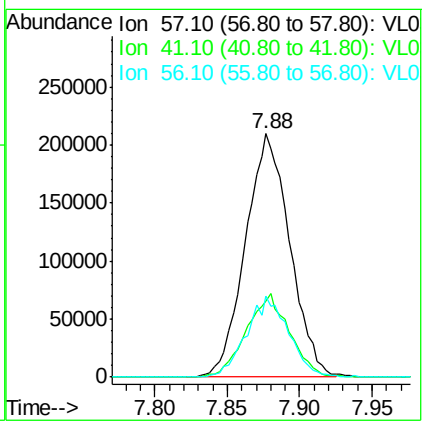


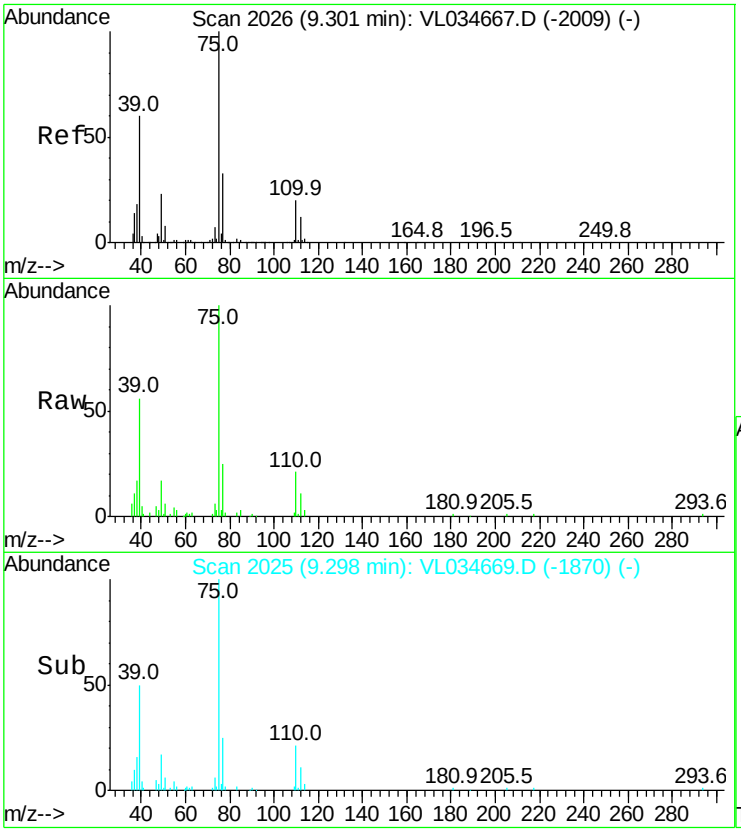


#44
2,2,4-Trimethylpentane
Concen: 1.134 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 57 Resp: 445921

Ion	Ratio	Lower	Upper
57	100		
41	33.5	26.1	39.1
56	31.6	25.4	38.2



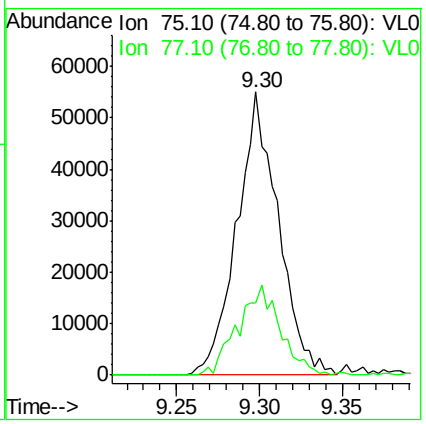


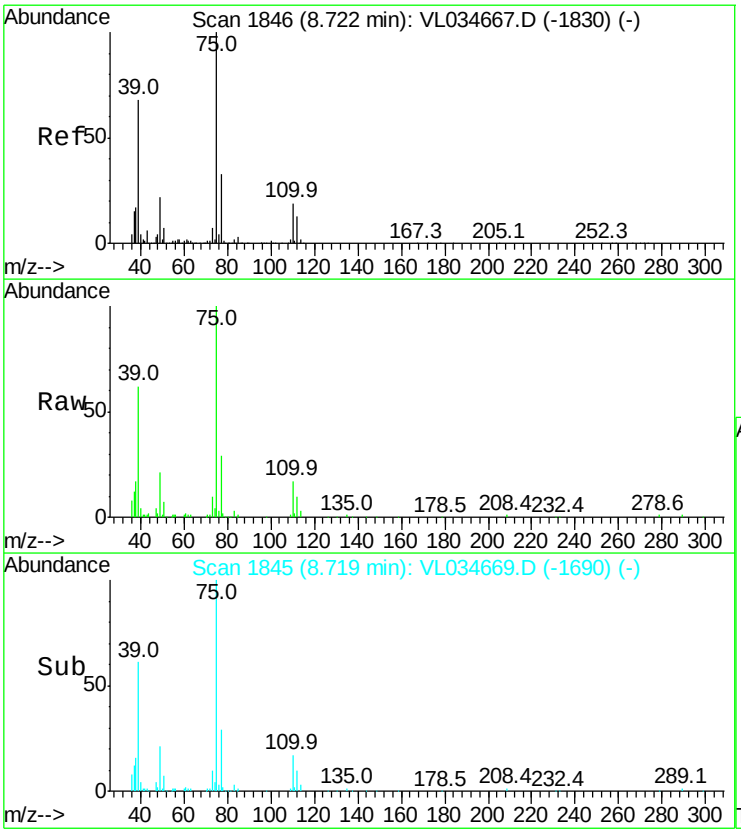
#45
t-1,3-Dichloropropene
Concen: 0.837 ppbv
RT: 9.30 min Scan# 2025
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 75 Resp: 95594

Ion	Ratio	Lower	Upper
75	100		
77	25.4	26.3	39.5#

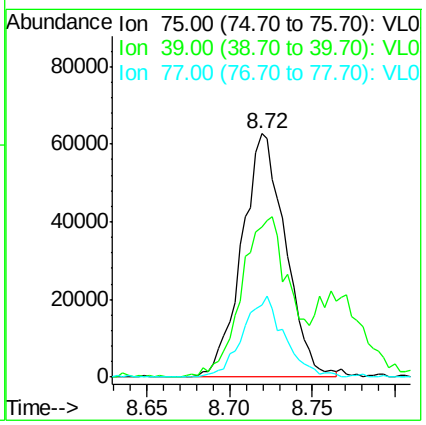


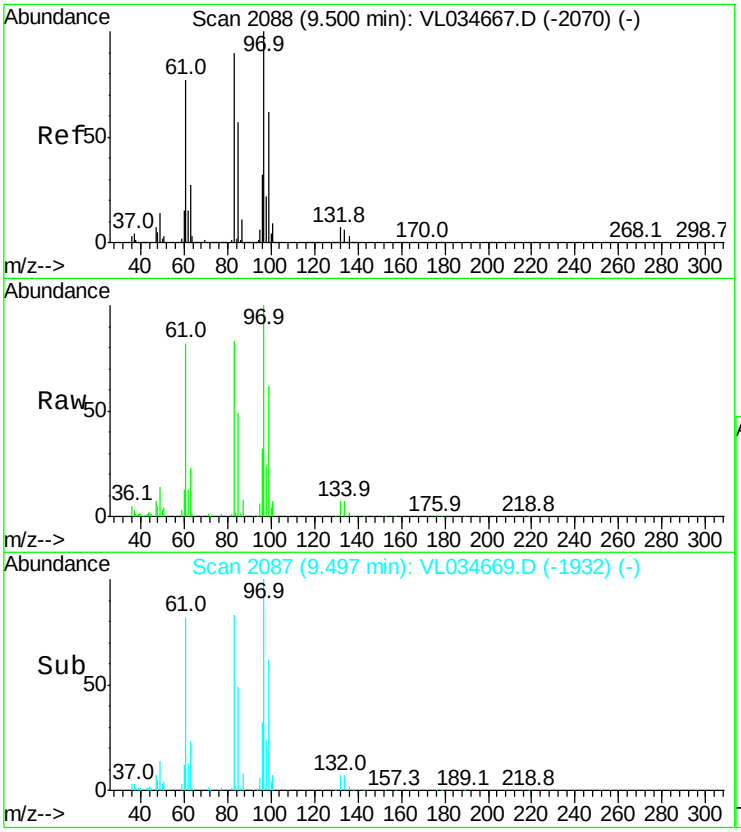


#46
cis-1,3-Dichloropropene
Concen: 0.880 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 75 Resp: 114263

Ion	Ratio	Lower	Upper
75	100		
39	61.3	54.7	82.1
77	29.4	26.6	40.0



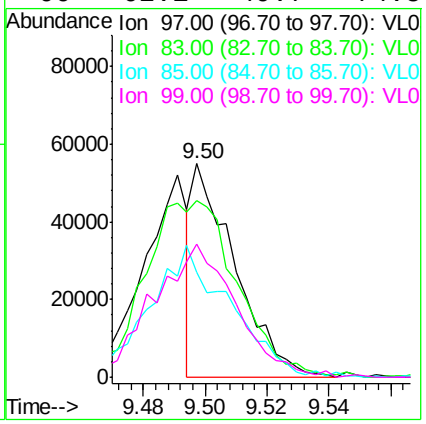


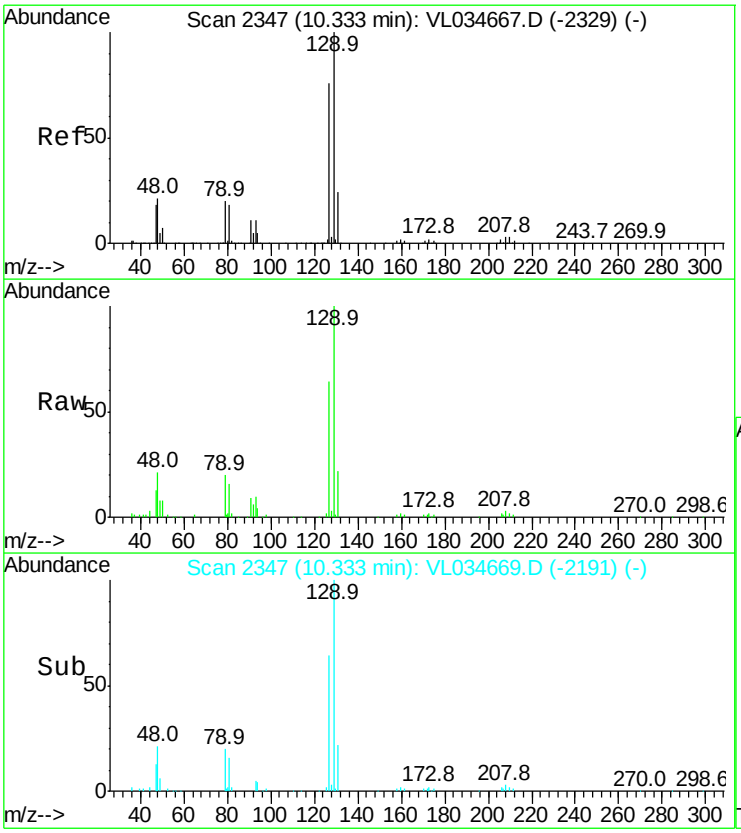
#47
1,1,2-Trichloroethane
Concen: 0.536 ppbv
RT: 9.50 min Scan# 2087
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 52179

Ion	Ratio	Lower	Upper
97	100		
83	80.6	72.3	108.5
85	47.1	45.8	68.8
99	62.1	49.7	74.5

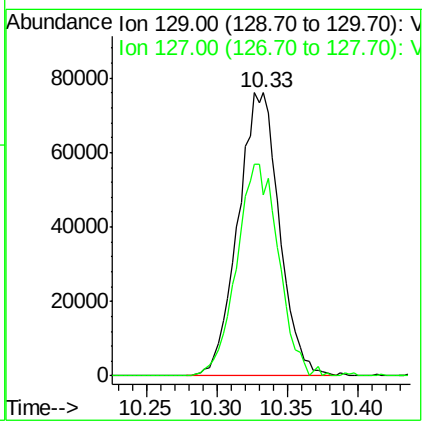


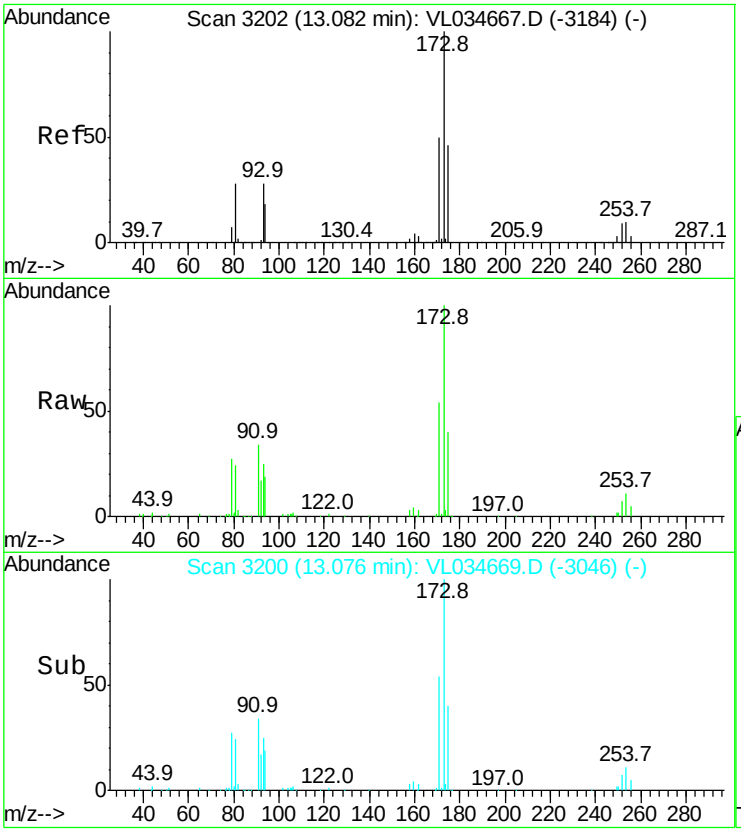


#48
Dibromochloromethane
Concen: 0.876 ppbv
RT: 10.33 min Scan# 2347
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion:129 Resp: 156340

Ion	Ratio	Lower	Upper
129	100		
127	75.8	39.1	117.3



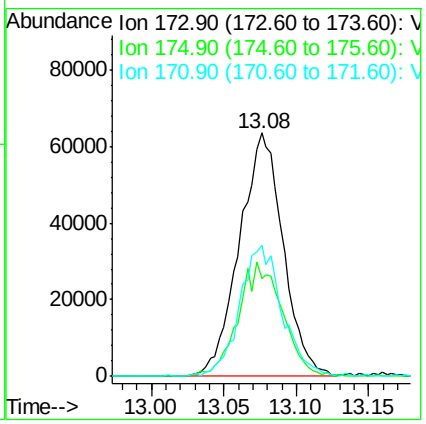


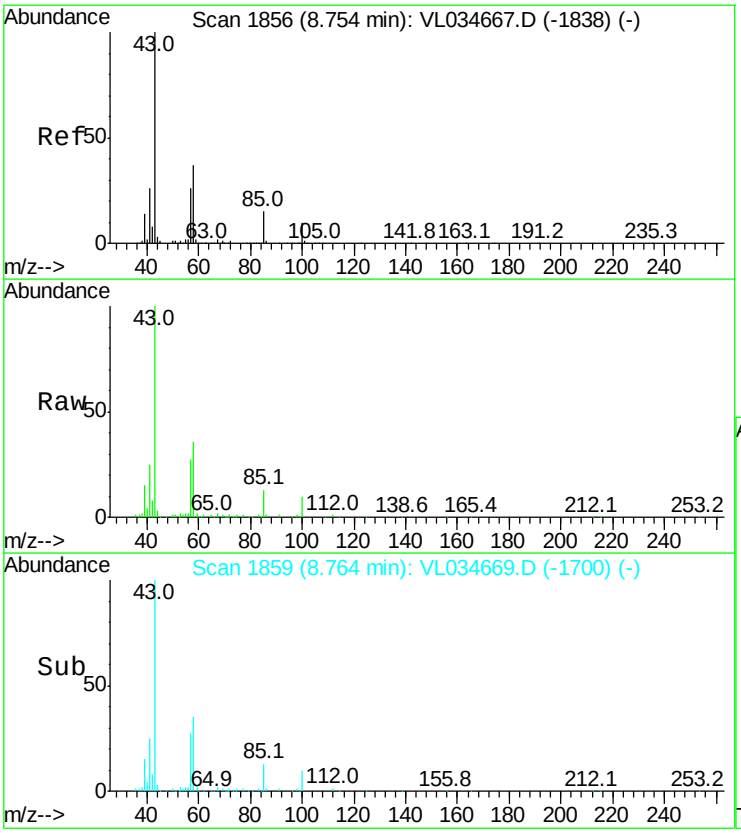
#49
Bromoform
Concen: 0.852 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. -0.01 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:173 Resp: 133440

Ion	Ratio	Lower	Upper
173	100		
175	47.3	39.0	58.4
171	52.5	41.0	61.6

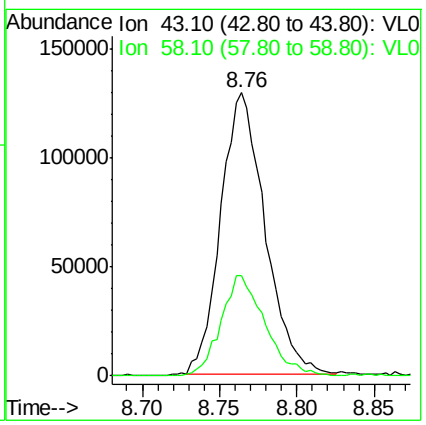


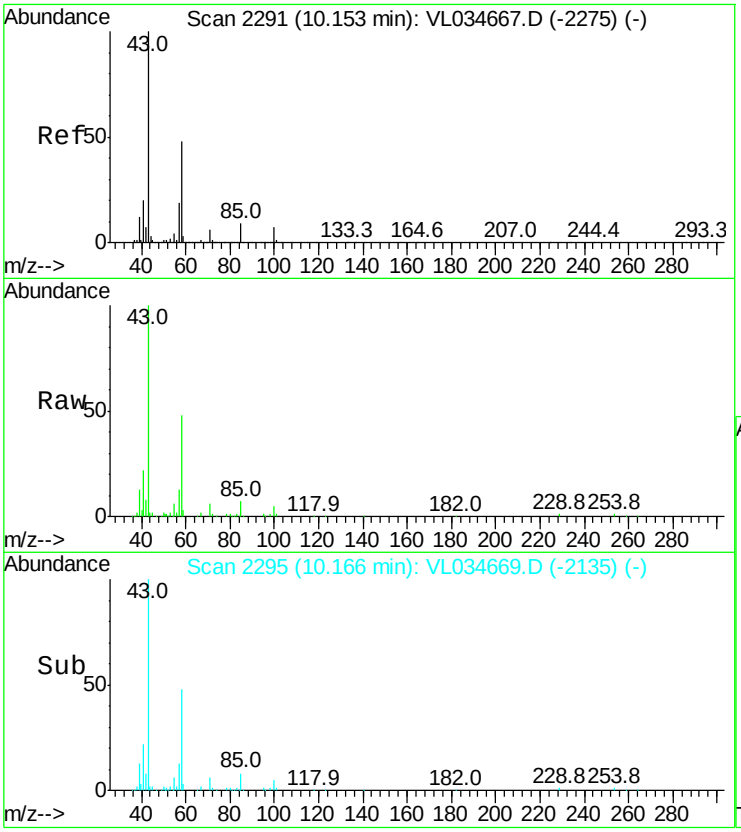


#50
4-Methyl-2-Pentanone
Concen: 1.009 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. 0.01 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 43 Resp: 254789

Ion	Ratio	Lower	Upper
43	100		
58	35.9	29.5	44.3



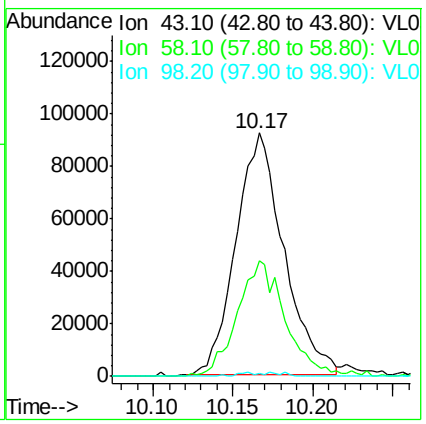


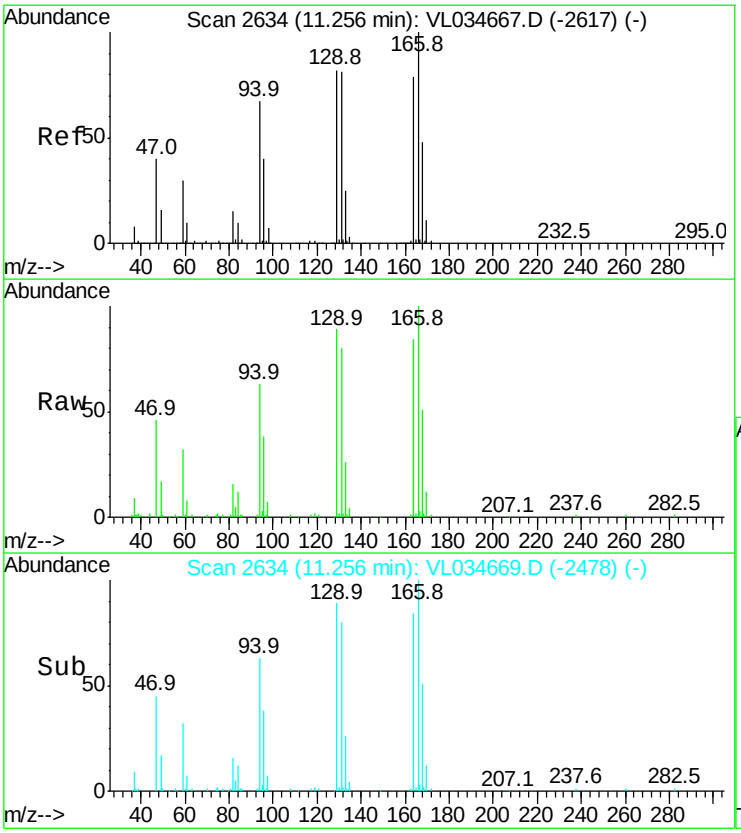
#51
2-Hexanone
Concen: 0.952 ppbv
RT: 10.17 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 43 Resp: 189292

Ion	Ratio	Lower	Upper
43	100		
58	48.1	38.8	58.2
98	1.3	0.3	0.5#

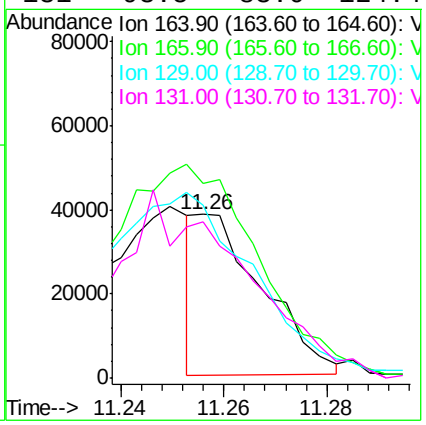


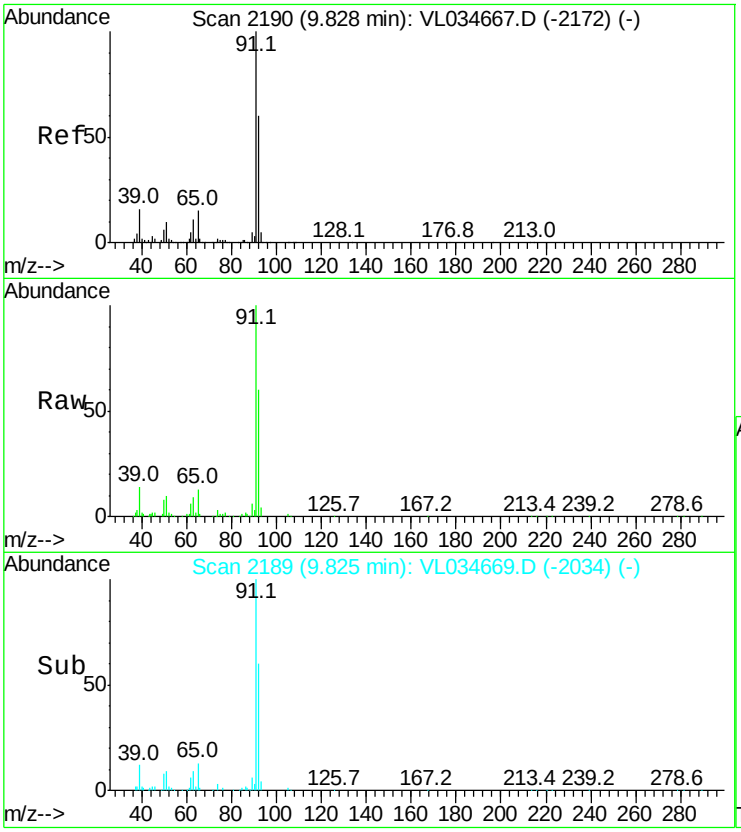


#52
Tetrachloroethene
Concen: 0.393 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion:164 Resp: 34238

Ion	Ratio	Lower	Upper
164	100		
166	115.8	101.4	152.2
129	102.8	83.5	125.3
131	93.5	83.0	124.4



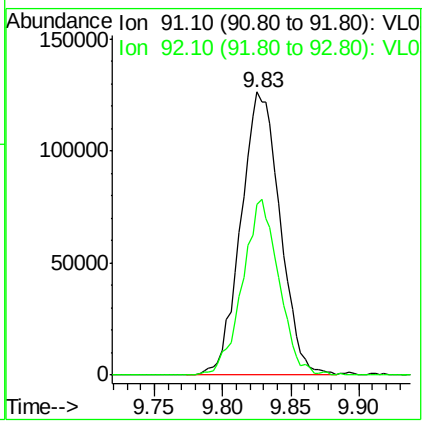


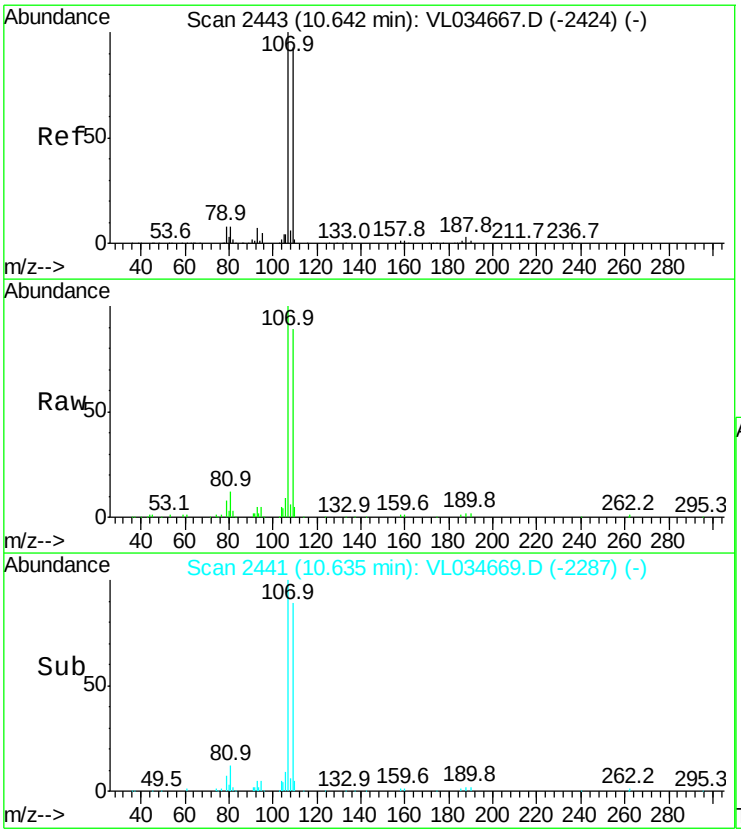
#53
Toluene
Concen: 1.056 ppbv
RT: 9.83 min Scan# 2189
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 91 Resp: 251417

Ion	Ratio	Lower	Upper
91	100		
92	57.7	48.2	72.2

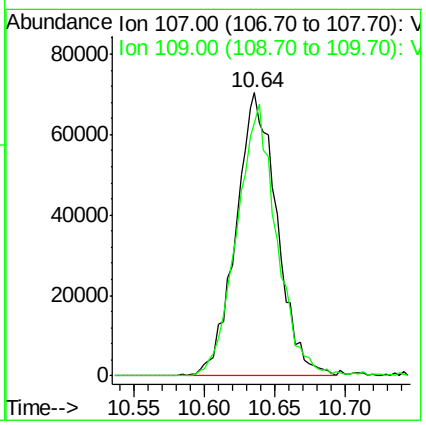


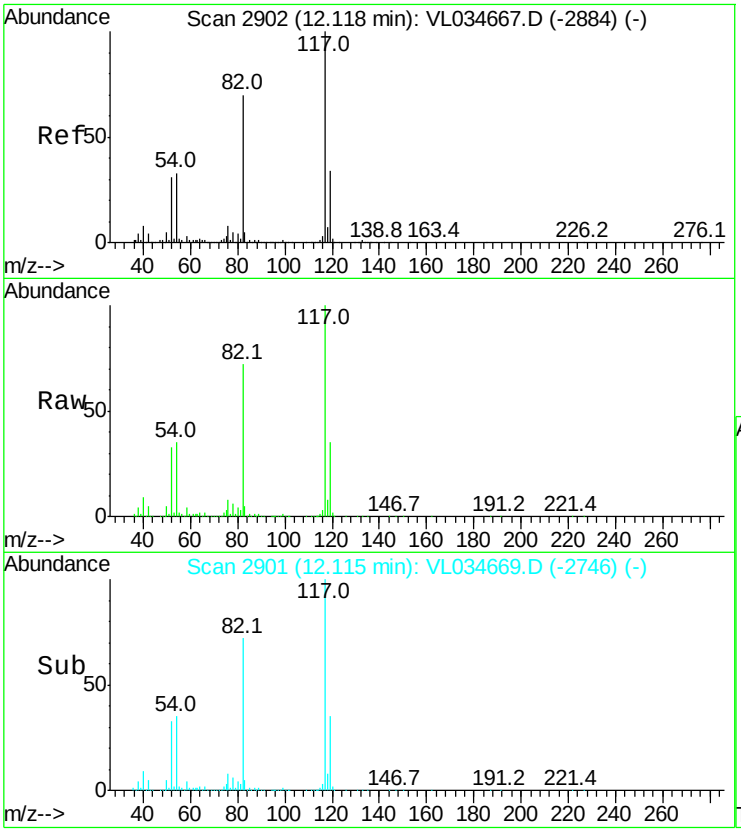


#54
1,2-Dibromoethane
Concen: 0.978 ppbv
RT: 10.64 min Scan# 2441
Delta R.T. -0.01 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion:107 Resp: 142610

Ion	Ratio	Lower	Upper
107	100		
109	89.4	74.2	111.4



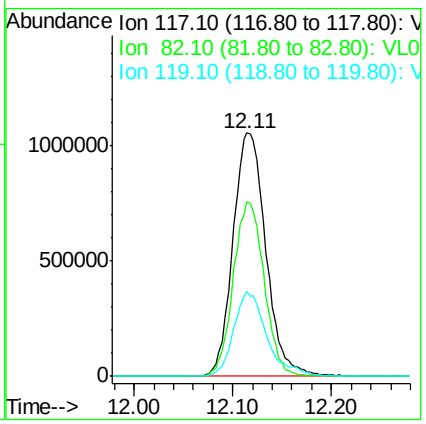


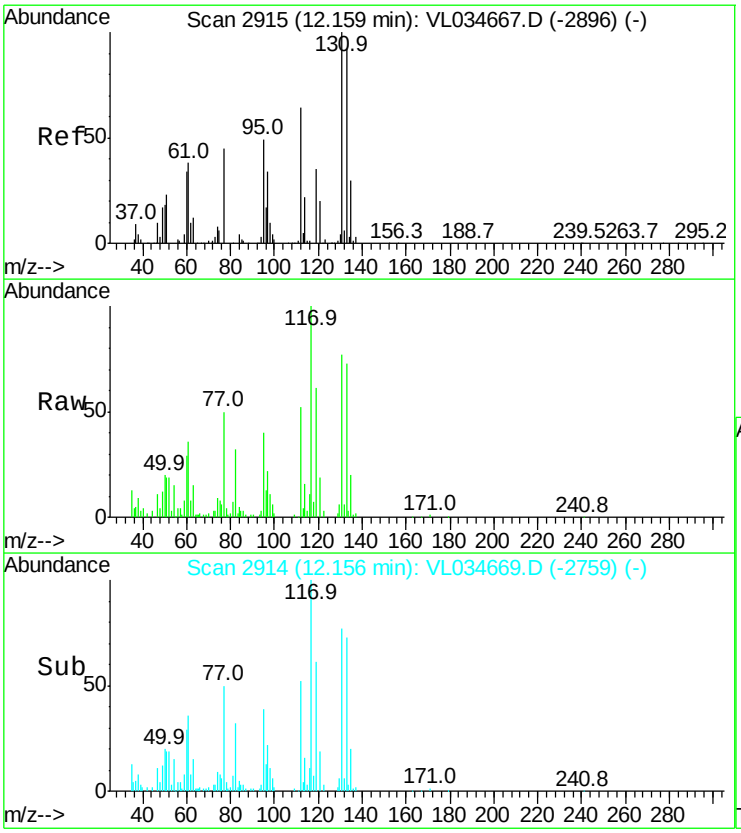
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:117 Resp: 2437341

Ion	Ratio	Lower	Upper
117	100		
82	67.8	54.2	81.4
119	35.2	44.2	66.2#

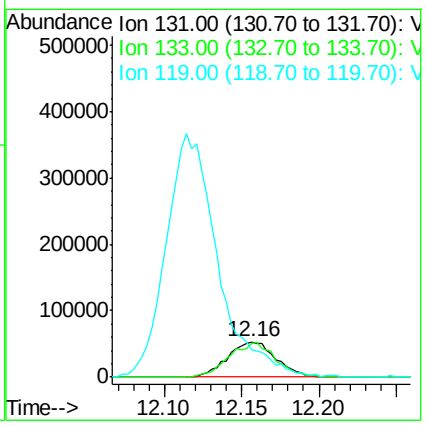


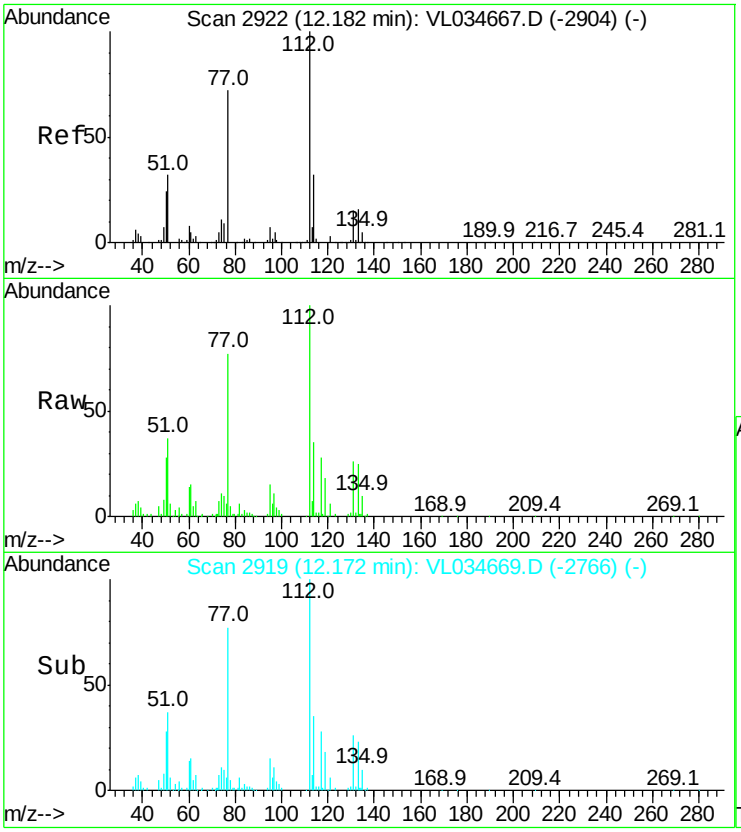


#56
1,1,1,2-Tetrachloroethane
Concen: 0.965 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion:131 Resp: 116065

Ion	Ratio	Lower	Upper
131	100		
133	95.1	77.0	115.4
119	738.5	114.8	172.2#



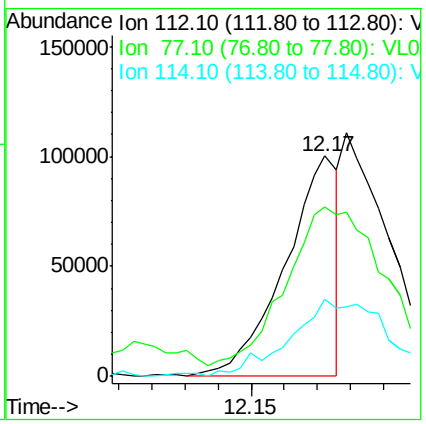


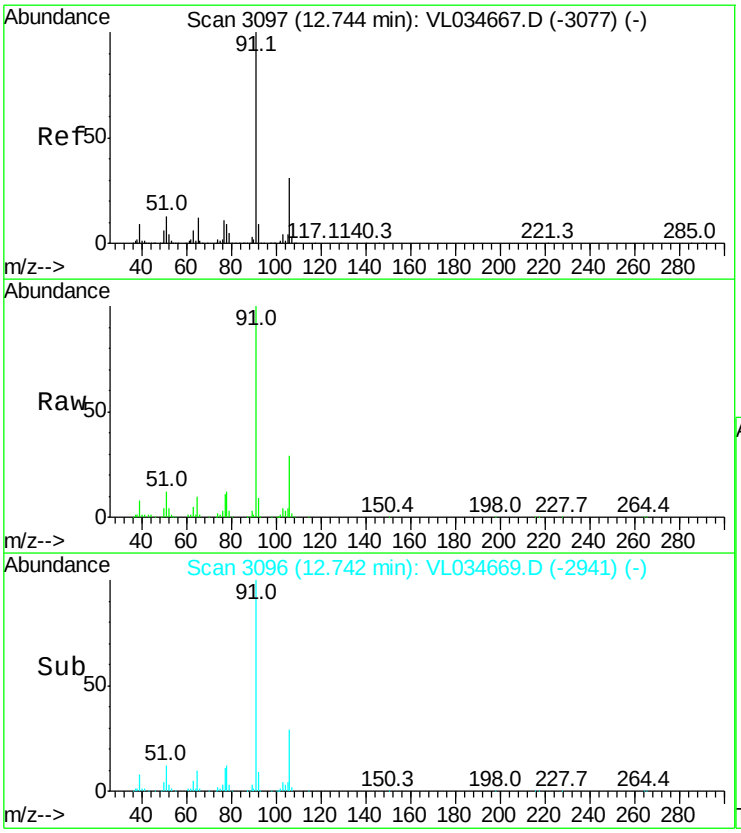
#57
Chlorobenzene
Concen: 0.555 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. -0.01 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 111404

Ion	Ratio	Lower	Upper
112	100		
77	65.6	58.9	88.3
114	34.4	29.1	35.5

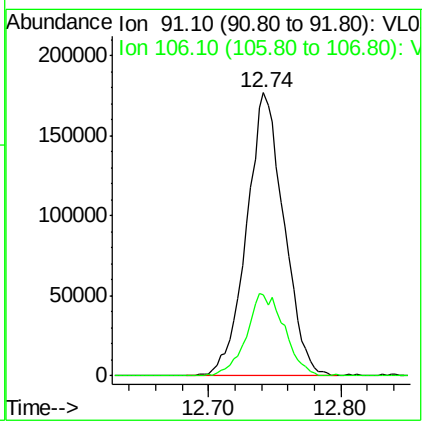


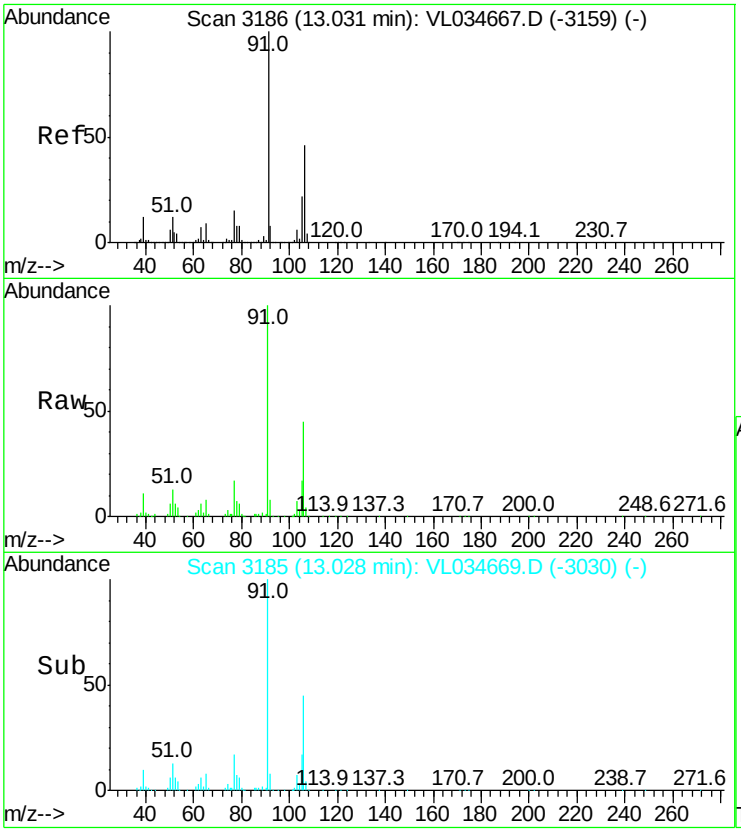


#58
Ethyl Benzene
Concen: 1.062 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 91 Resp: 346428

Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.6	36.8



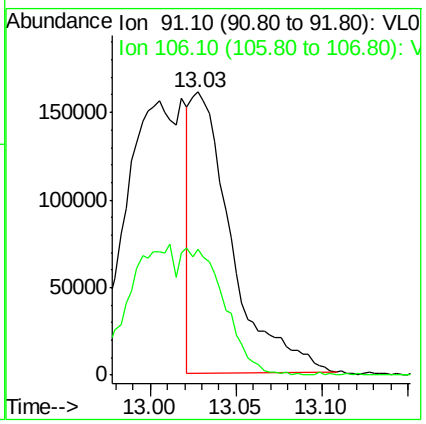


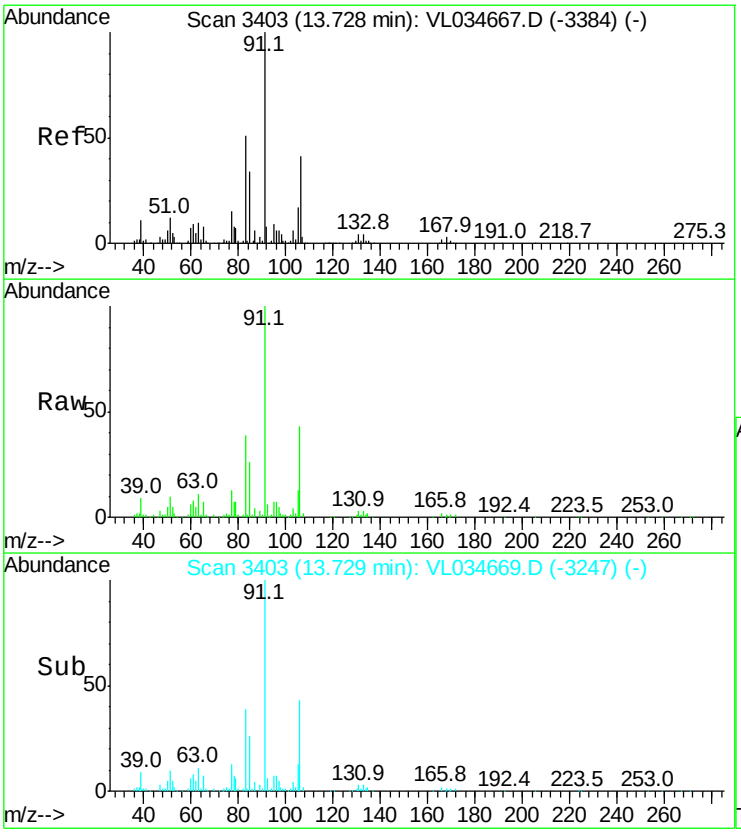
#59
m/p-Xylene
Concen: 0.917 ppbv
RT: 13.03 min Scan# 3185
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 91 Resp: 264307

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.9	53.9#

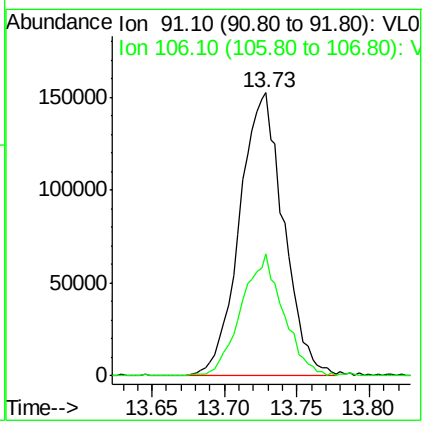


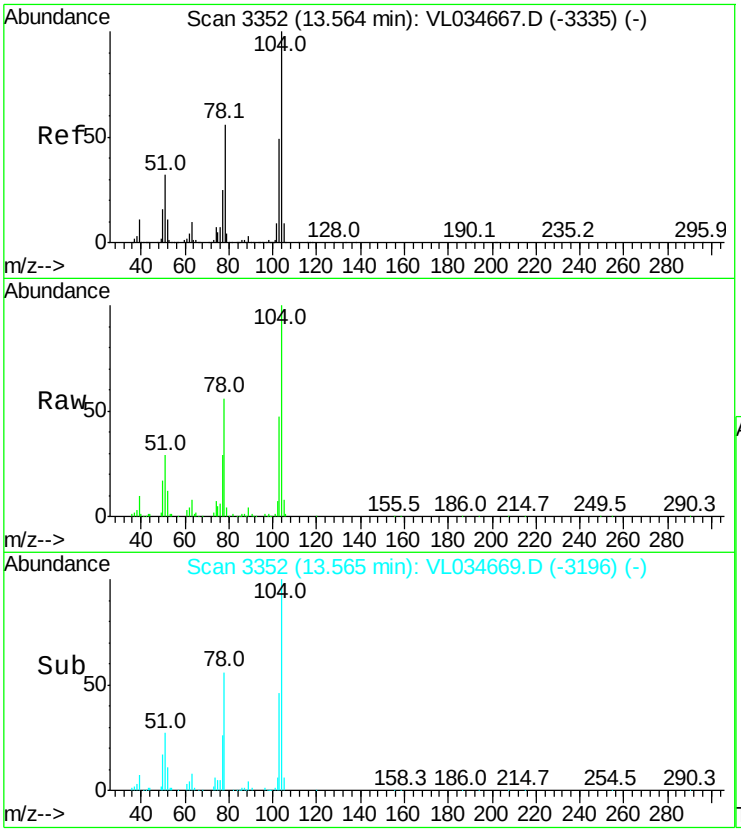


#60
o-Xylene
Concen: 1.113 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 91 Resp: 322197

Ion	Ratio	Lower	Upper
91	100		
106	41.2	22.1	66.1



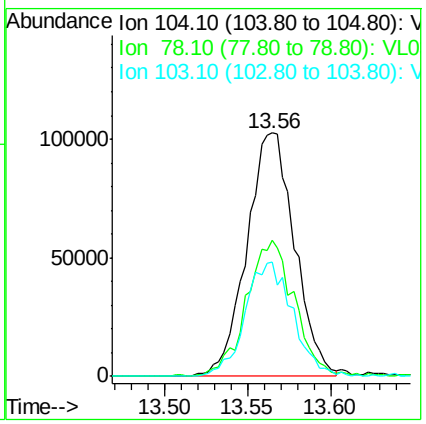


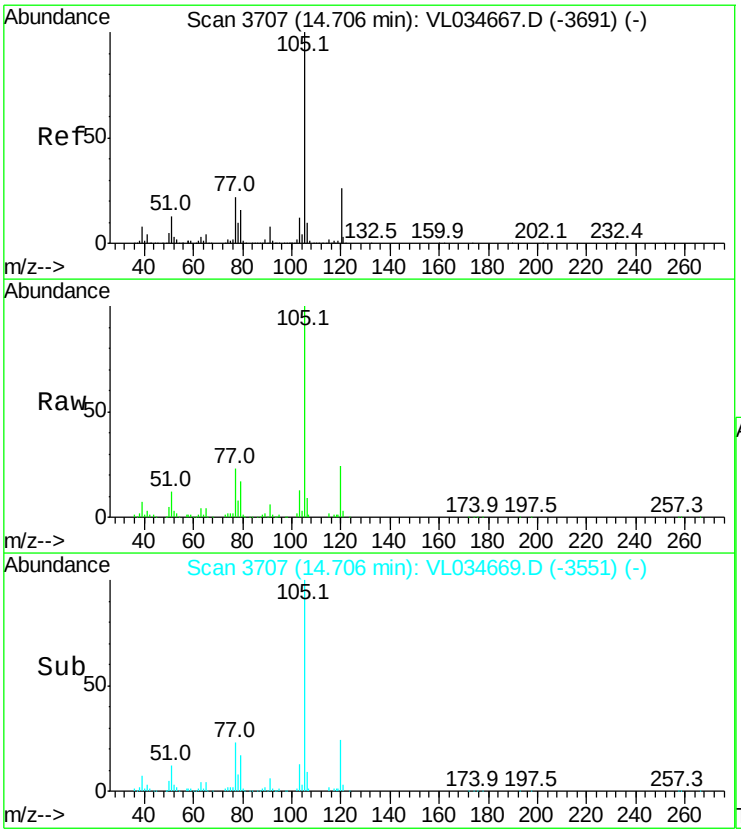
#61
Styrene
Concen: 1.067 ppbv
RT: 13.56 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion:104 Resp: 206032

Ion	Ratio	Lower	Upper
104	100		
78	56.2	44.9	67.3
103	46.4	38.5	57.7

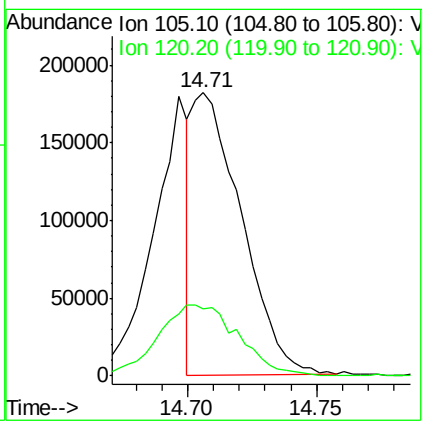


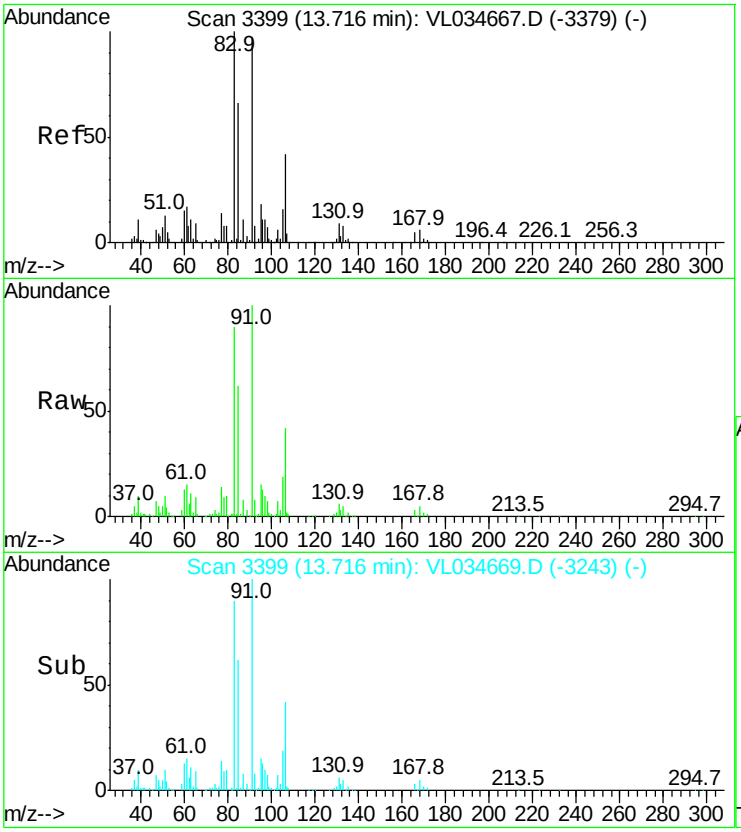


#62
Isopropylbenzene
Concen: 0.631 ppbv
RT: 14.71 min Scan# 3707
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion:105 Resp: 236651

Ion	Ratio	Lower	Upper
105	100		
120	0.0	20.7	31.1#



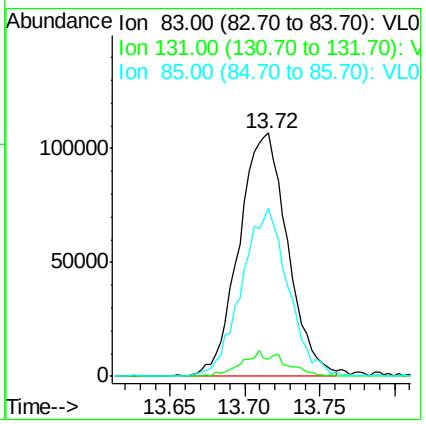


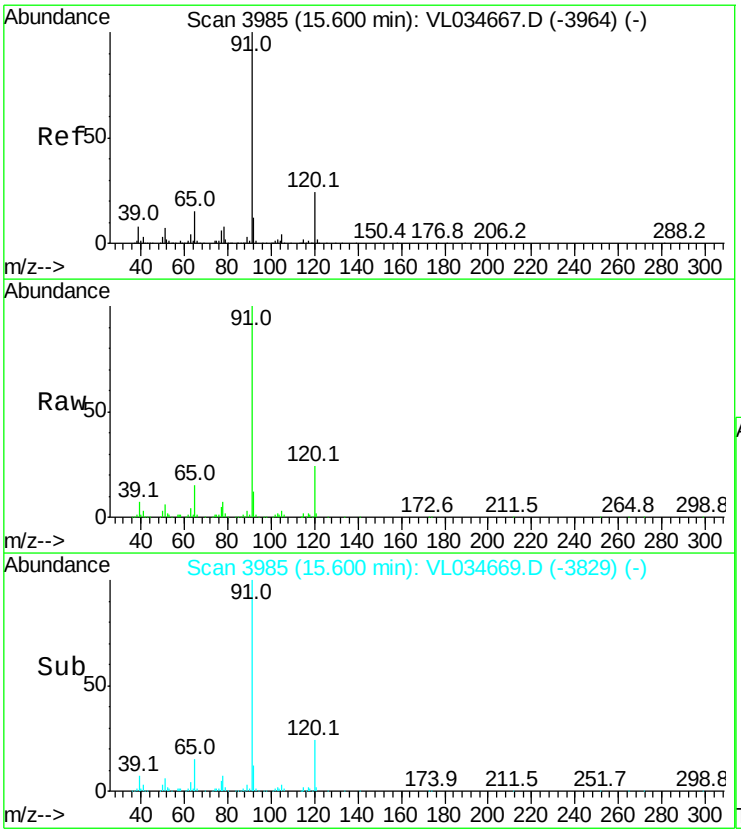
#63
1,1,2,2-Tetrachloroethane
Concen: 1.075 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 83 Resp: 240839

Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.5	13.4
85	67.1	32.6	98.0

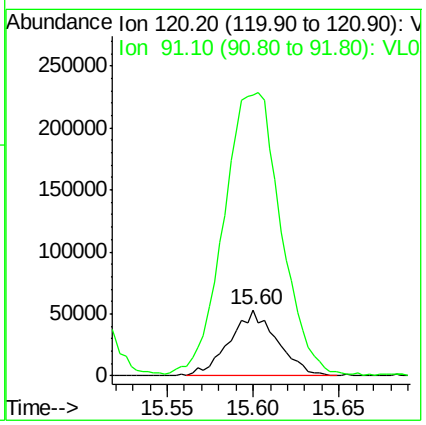


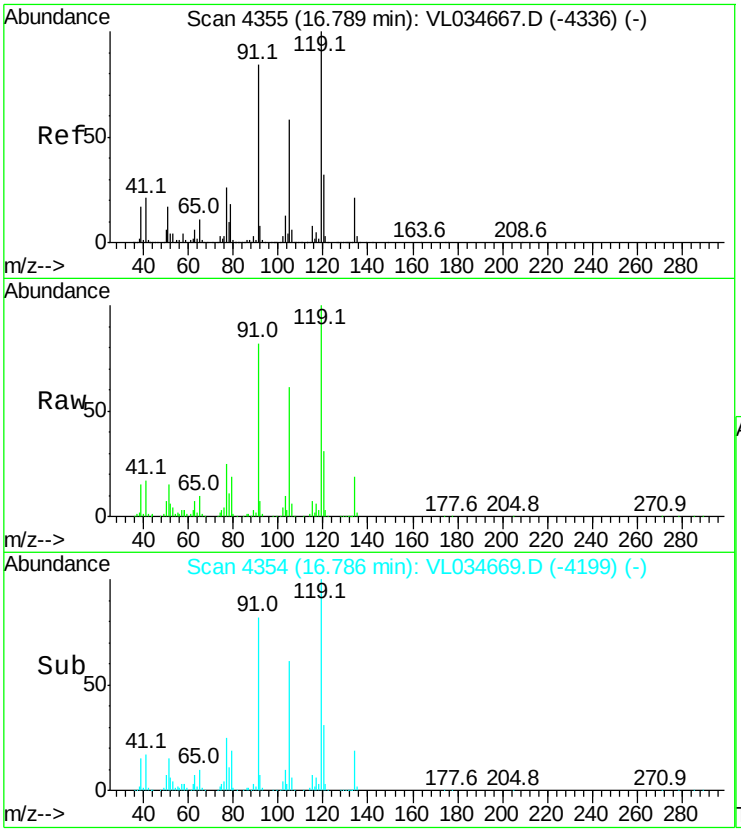


#64
n-propylbenzene
Concen: 1.055 ppbv
RT: 15.60 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion:120 Resp: 101819

Ion	Ratio	Lower	Upper
120	100		
91	515.7	375.9	563.9



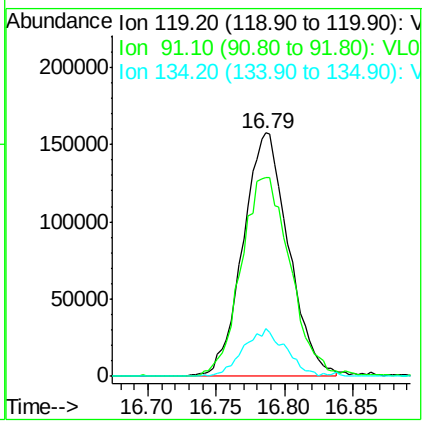


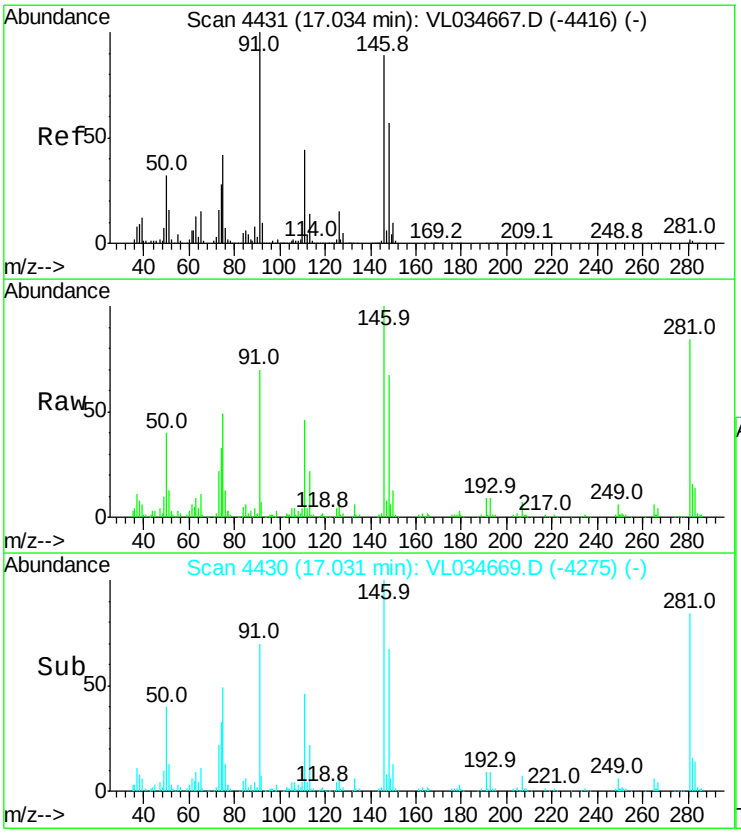
#65
tert-Butylbenzene
Concen: 1.074 ppbv
RT: 16.79 min Scan# 4354
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 364955

Ion	Ratio	Lower	Upper
119	100		
91	88.6	68.9	103.3
134	18.6	15.6	23.4

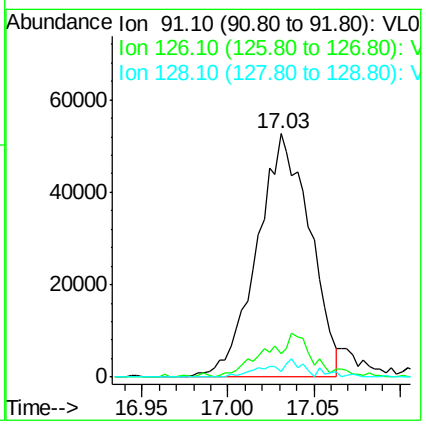


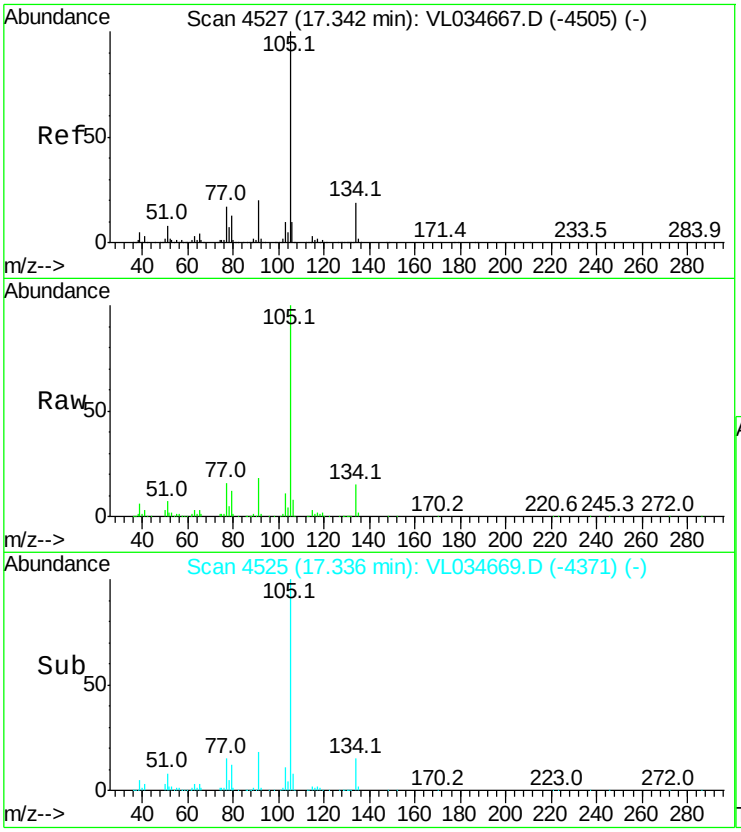


#66
Benzyl Chloride
Concen: 0.789 ppbv
RT: 17.03 min Scan# 4430
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 91 Resp: 112503

Ion	Ratio	Lower	Upper
91	100		
126	16.9	13.3	19.9
128	5.8	4.2	6.2



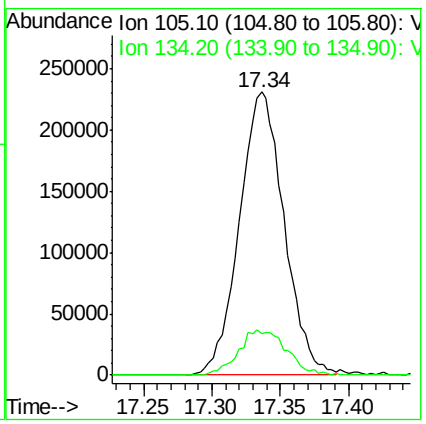


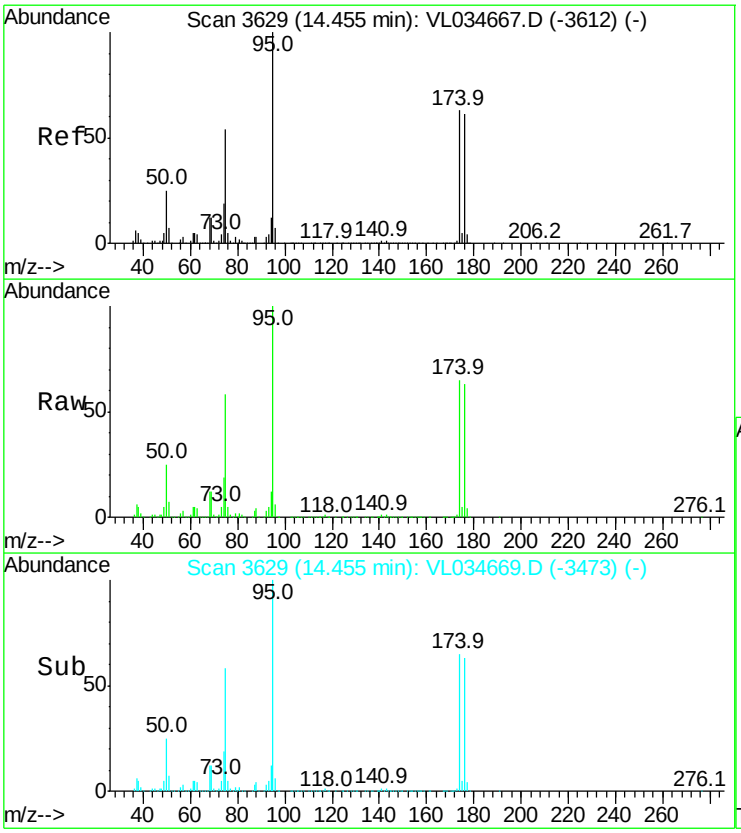
#67
sec-Butylbenzene
Concen: 1.125 ppbv
RT: 17.34 min Scan# 4525
Delta R.T. -0.01 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 525564

Ion	Ratio	Lower	Upper
105	100		
134	17.2	14.6	21.8

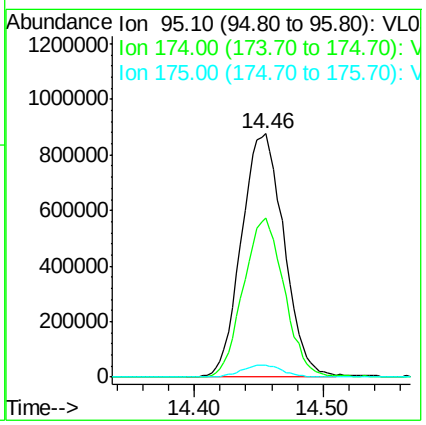


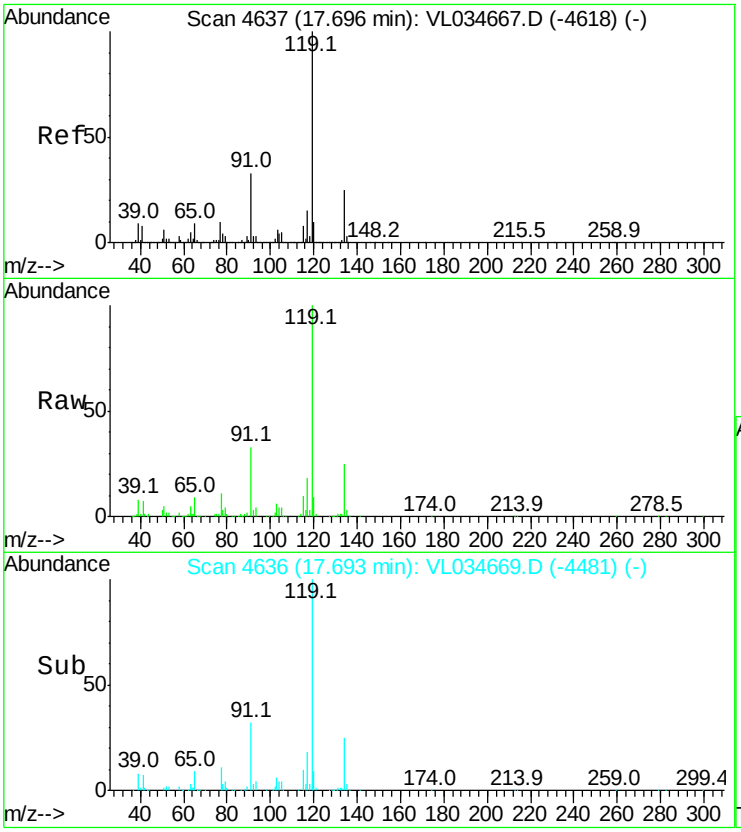


#68
1-Bromo-4-Fluorobenzene
Concen: 9.785 ppbv
RT: 14.46 min Scan# 3629
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 95 Resp: 2015639

Ion	Ratio	Lower	Upper
95	100		
174	63.3	51.2	76.8
175	4.8	3.8	5.6



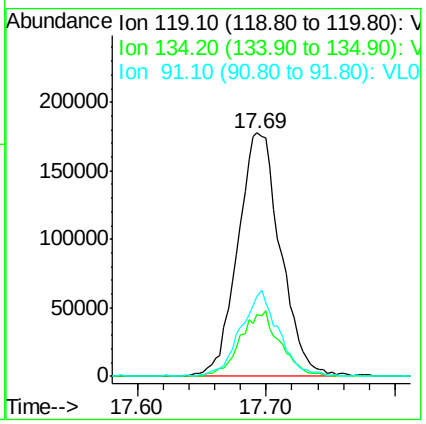


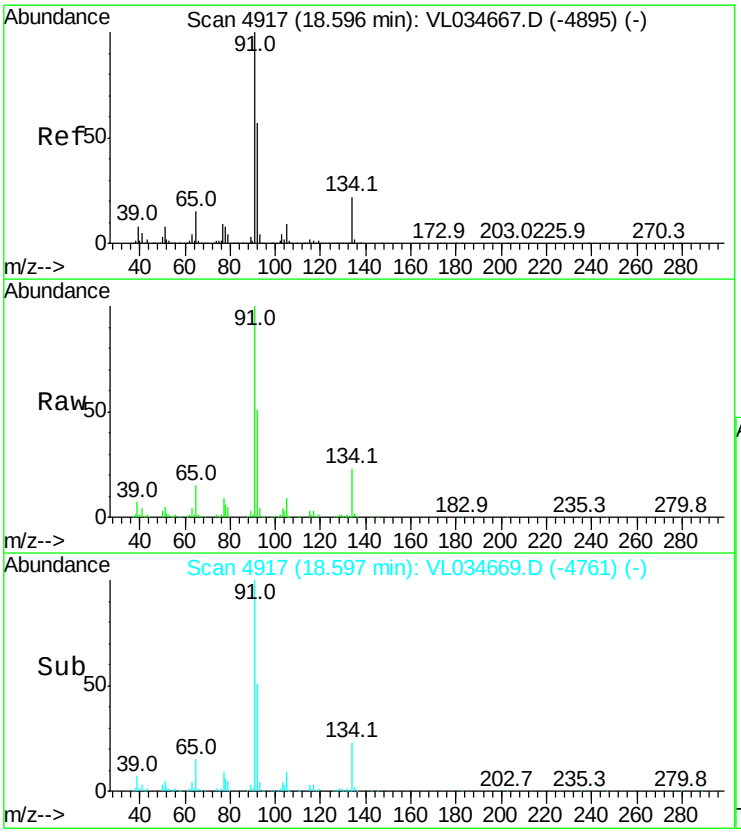
#69
p-Isopropyltoluene
Concen: 1.080 ppbv
RT: 17.69 min Scan# 4636
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 409596

Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.6	31.0
91	31.9	25.3	37.9

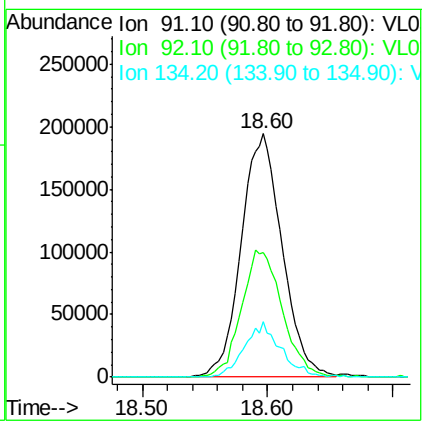


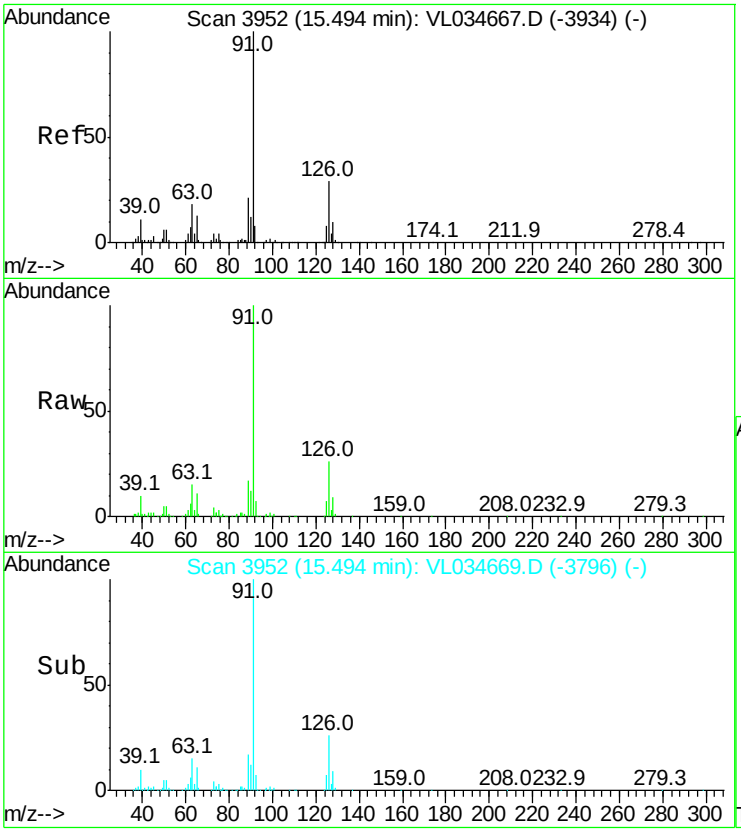


#70
n-Butylbenzene
Concen: 1.087 ppbv
RT: 18.60 min Scan# 4917
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion: 91 Resp: 437864

Ion	Ratio	Lower	Upper
91	100		
92	52.7	44.0	66.0
134	20.3	17.6	26.4



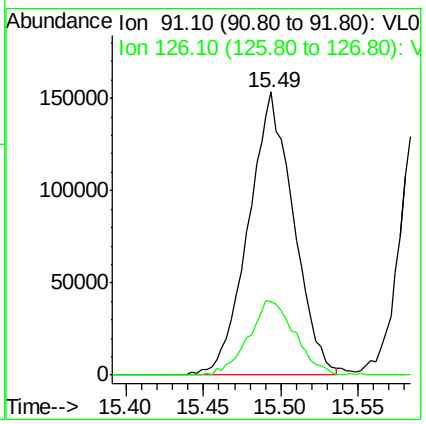


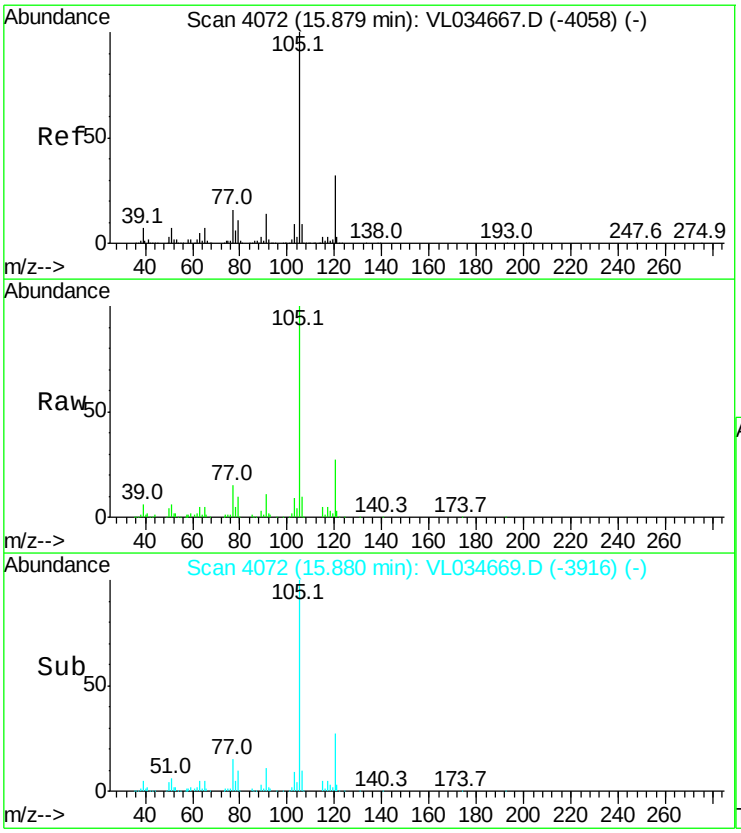
#71
2-Chlorotoluene
Concen: 1.095 ppbv
RT: 15.49 min Scan# 3952
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument : MSVOA_L
ClientSampleId : VSTDICC001

Tgt Ion: 91 Resp: 311828

Ion	Ratio	Lower	Upper
91	100		
126	27.3	11.8	47.0

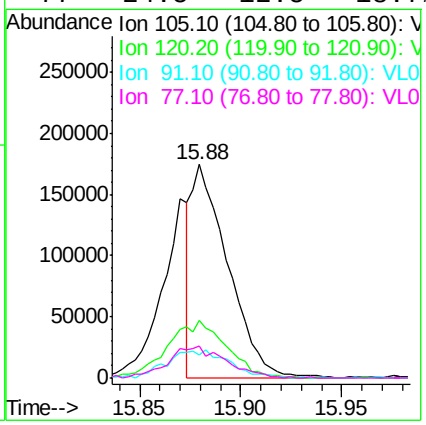


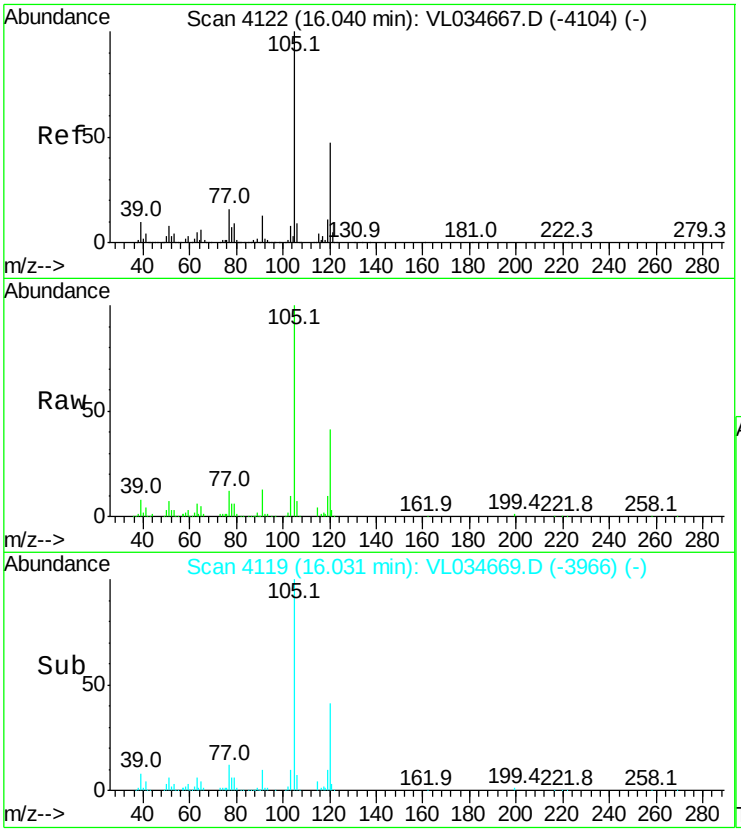


#72
4-Ethyltoluene
Concen: 0.680 ppbv
RT: 15.88 min Scan# 4072
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion:105 Resp: 216358

Ion	Ratio	Lower	Upper
105	100		
120	44.3	23.2	34.8#
91	21.5	10.9	16.3#
77	24.5	12.5	18.7#



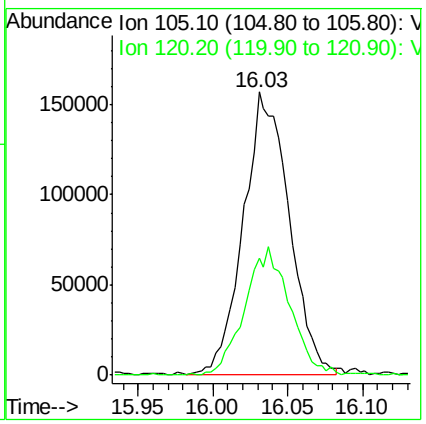


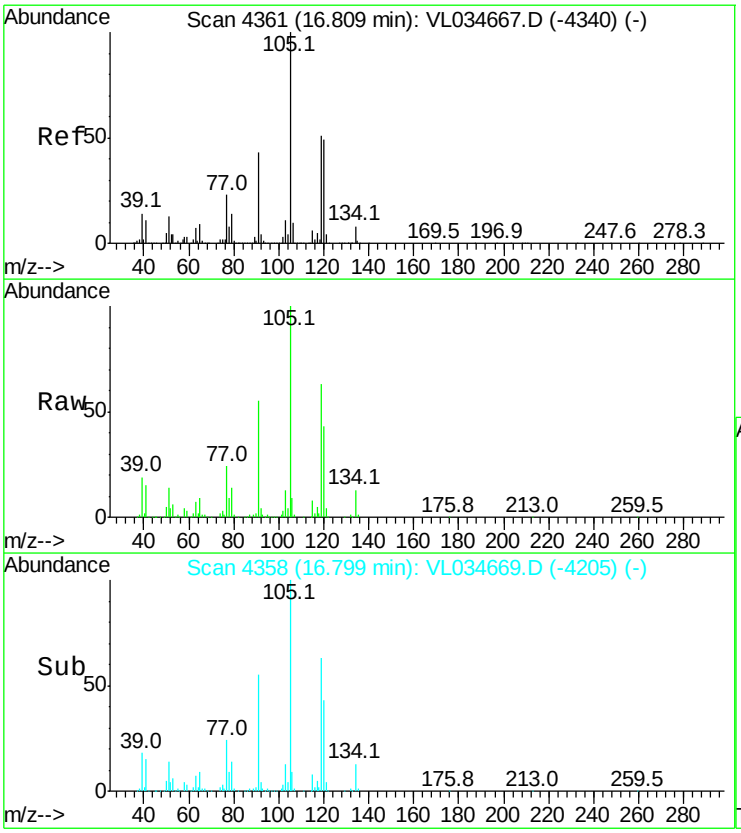
#73
1,3,5-Trimethylbenzene
Concen: 1.069 ppbv
RT: 16.03 min Scan# 4119
Delta R.T. -0.01 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 332135

Ion	Ratio	Lower	Upper
105	100		
120	41.5	37.2	55.8

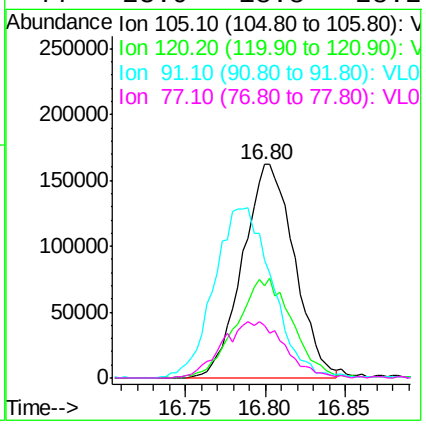


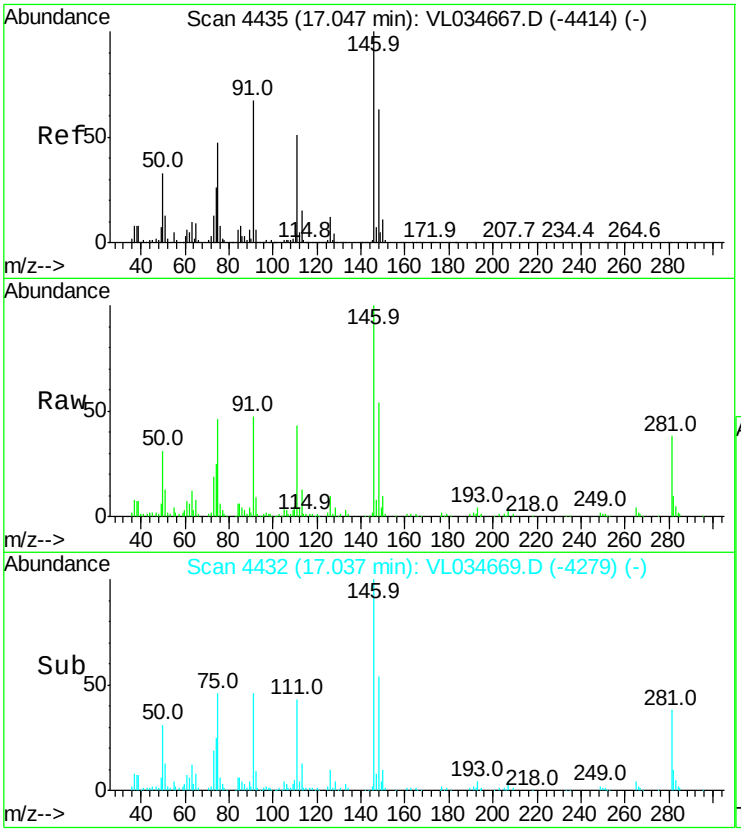


#74
1,2,4-Trimethylbenzene
Concen: 1.048 ppbv
RT: 16.80 min Scan# 4358
Delta R.T. -0.01 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion:105 Resp: 360544

Ion	Ratio	Lower	Upper
105	100		
120	42.3	39.4	59.0
91	53.2	35.1	52.7#
77	23.9	18.8	28.2



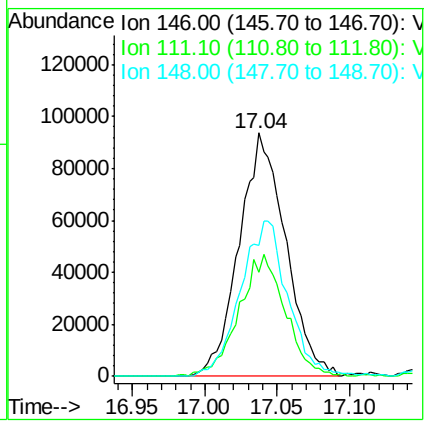


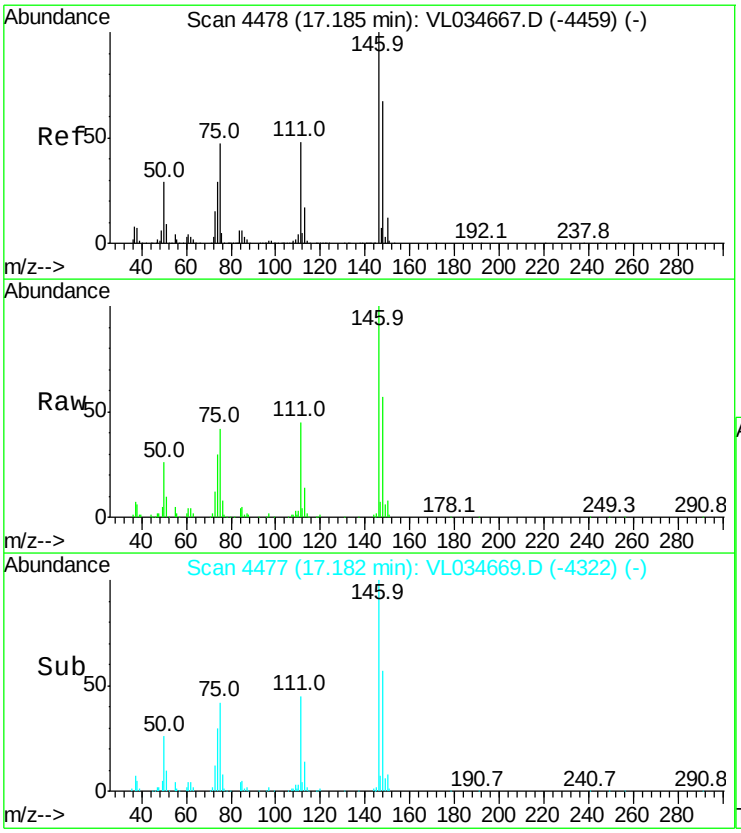
#75
1,3-Dichlorobenzene
Concen: 1.054 ppbv
RT: 17.04 min Scan# 4432
Delta R.T. -0.01 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 208848

Ion	Ratio	Lower	Upper
146	100		
111	49.9	24.0	72.0
148	65.7	32.1	96.5

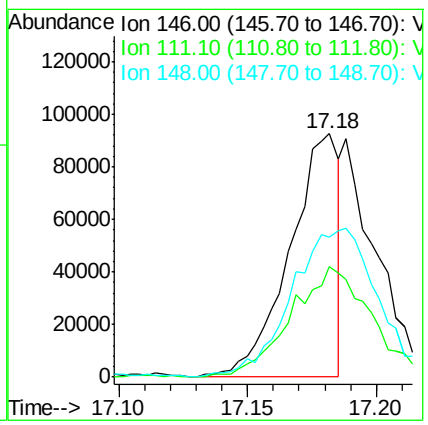


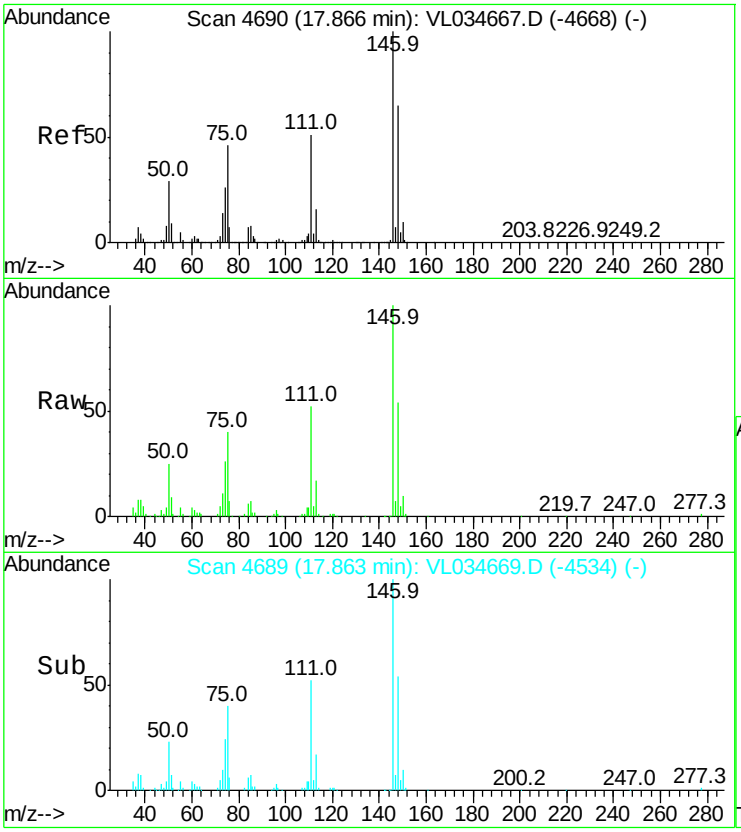


#76
1,4-Dichlorobenzene
Concen: 0.624 ppbv
RT: 17.18 min Scan# 4477
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion:146 Resp: 121886

Ion	Ratio	Lower	Upper
146	100		
111	76.4	23.8	71.2#
148	109.6	32.3	96.9#



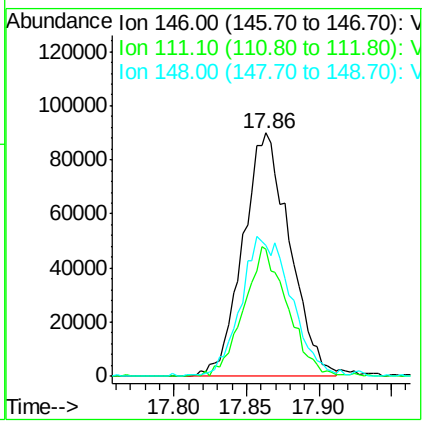


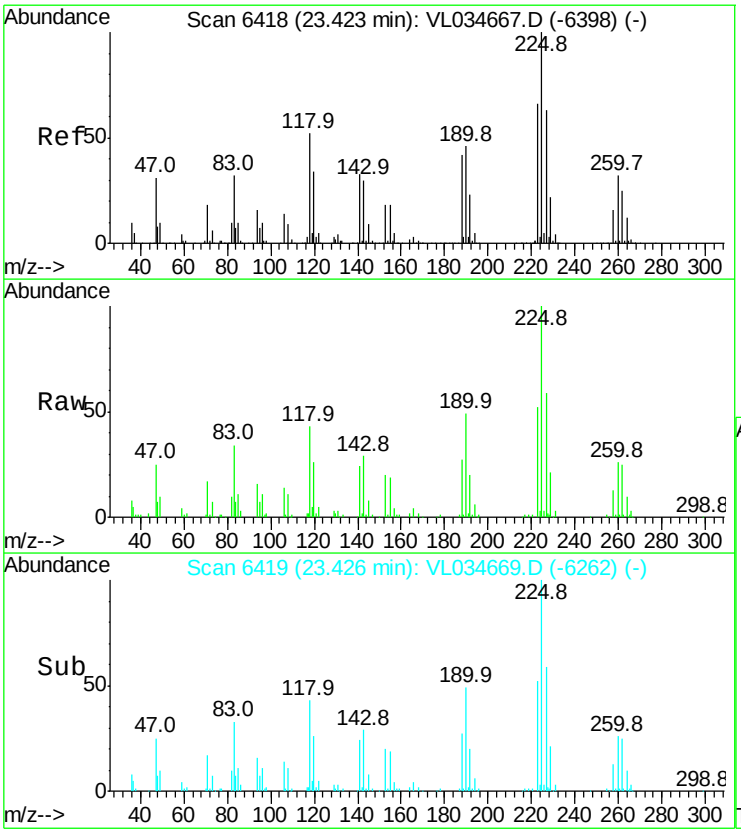
#77
1,2-Dichlorobenzene
Concen: 1.062 ppbv
RT: 17.86 min Scan# 4689
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 202086

Ion	Ratio	Lower	Upper
146	100		
111	49.9	24.9	74.7
148	62.4	32.1	96.3

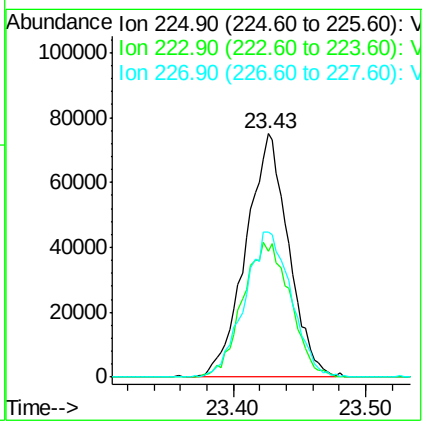


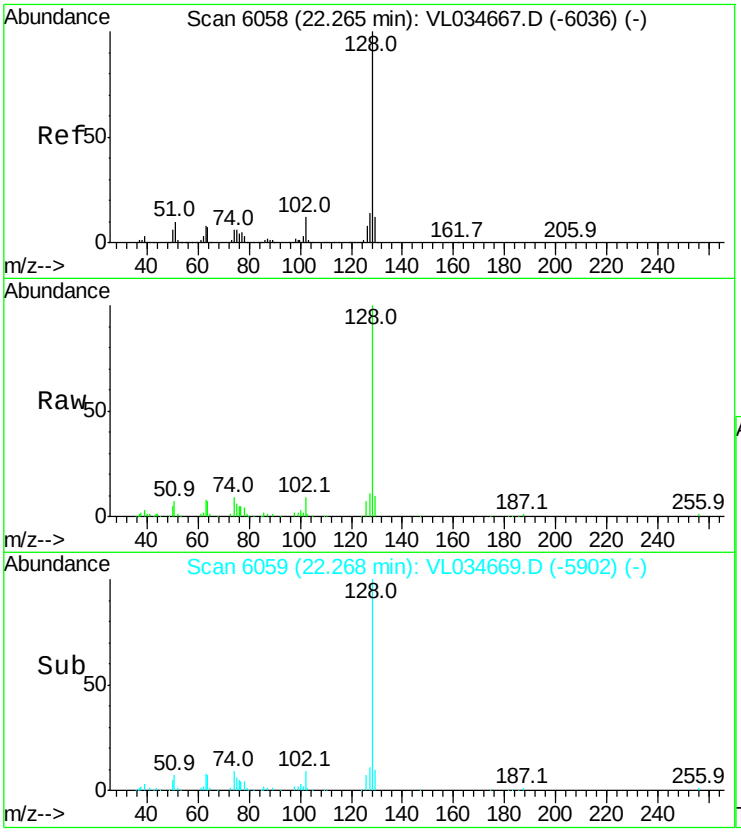


#78
Hexachloro-1,3-Butadiene
Concen: 0.923 ppbv
RT: 23.43 min Scan# 6419
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion:225 Resp: 168055

Ion	Ratio	Lower	Upper
225	100		
223	61.6	50.4	75.6
227	65.2	51.8	77.8



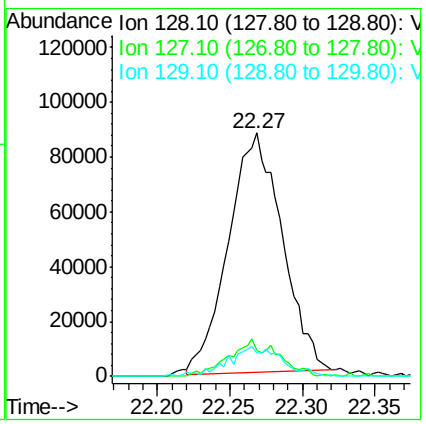


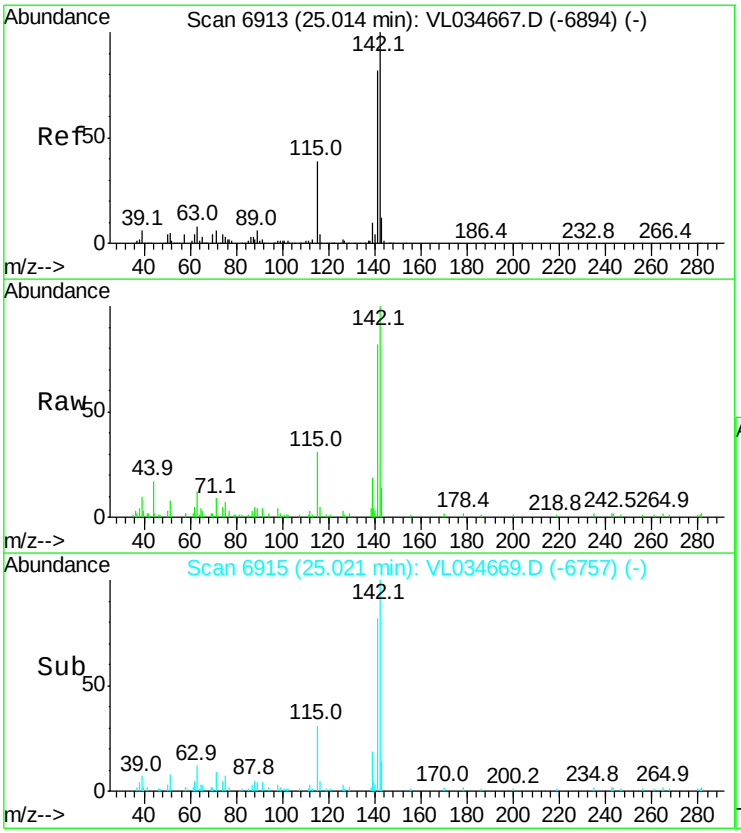
#79
Naphthalene
Concen: 0.835 ppbv
RT: 22.27 min Scan# 6059
Delta R.T. 0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 226174

Ion	Ratio	Lower	Upper
128	100		
127	10.6	11.0	16.4#
129	9.6	9.5	14.3

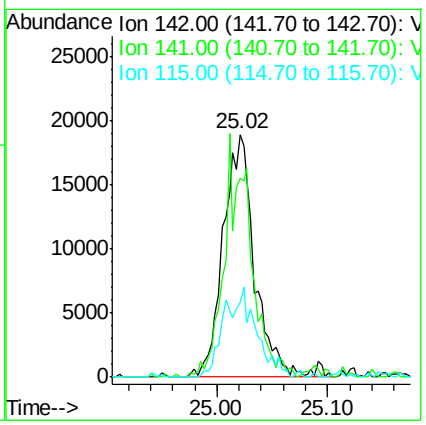


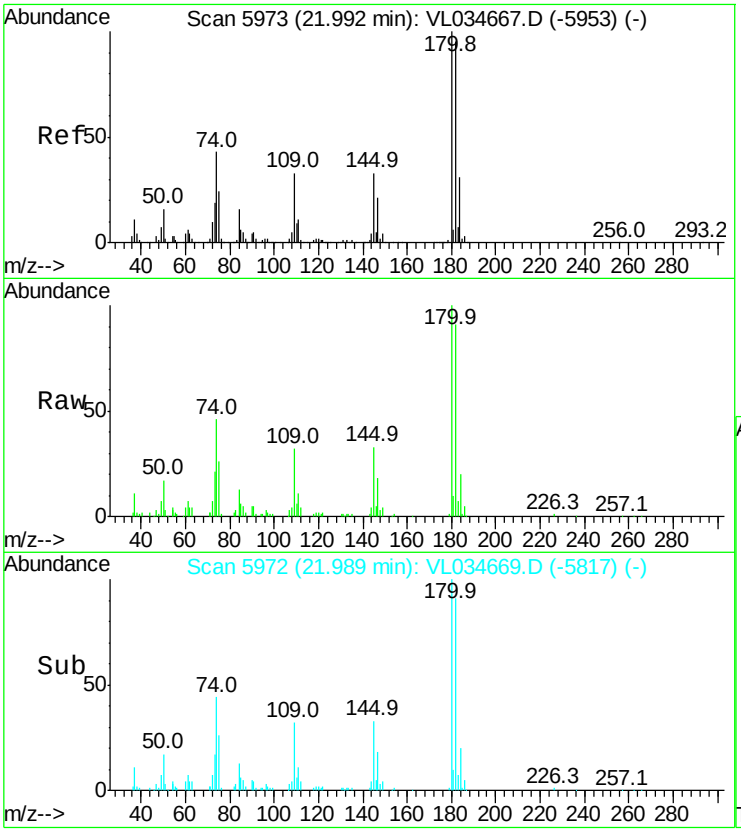


#80
Naphthalene,2-methyl-
Concen: 0.362 ppbv
RT: 25.02 min Scan# 6915
Delta R.T. 0.01 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Tgt Ion:142 Resp: 37741

Ion	Ratio	Lower	Upper
142	100		
141	84.1	68.1	102.1
115	37.9	31.0	46.6





#81
1,2,4-Trichlorobenzene
Concen: 0.486 ppbv
RT: 21.99 min Scan# 5972
Delta R.T. -0.00 min
Lab File: VL034669.D
Acq: 25 Feb 2020 12:35

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 81217

Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.7	116.5#
184	0.0	25.3	37.9#