Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070219\

Quantitation Report (Not Reviewed)

Data File : VL033992.D
Acq On : 2 Jul 2019 15:36
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Jul 02 16:34:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 02 16:27:55 2019
QLast Update : Tue Jul 02 16:27:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.73	49	1094816	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.26	114	2894061	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.20	117	2742008	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.54	95	2227084	9.89	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	146969	0.827	ppbv		91
3) Chlorodifluoromethane	3.00	51	78121	0.606	ppbv		100
4) Chloromethane	3.16	50	44966	0.612	ppbv	#	88
5) Vinyl Chloride	3.27	62	42845	0.628	ppbv		93
6) Bromomethane	3.50	94	26335	0.581	ppbv		82
7) Chloroethane	3.58	64	16437	0.609	ppbv		94
8) Dichlorotetrafluoroethane	3.20	85	122206	0.644	ppbv		100
9) Propene	3.02	41	16001	0.332	ppbv	#	14
10) Heptane	8.21	43	21853	0.179	ppbv	#	23
11) Trichlorofluoromethane	3.98	101	132975	0.580	ppbv		89
12) 1,1,2-Trichlorotrifluoroet	4.53	101	90152	0.582	ppbv		97
13) Ethanol	3.64	45	8589	0.547	ppbv	#	35
14) Bromoethene	3.77	108	32443	0.562	ppbv	#	91
15) Acetone	3.89	43	101547	0.636	ppbv		95
16) 1,3-Butadiene	3.35	39	32185	0.530	ppbv		95
17) tert-Butyl alcohol	4.35	59	66363	0.532	ppbv	#	92
18) 1,1-Dichloroethene	4.33	96	39959	0.611	ppbv		85
19) Isopropyl Alcohol	4.02	45	32655	0.358	ppbv	#	94
20) Methylene Chloride	4.38	84	40729	0.654	ppbv	#	81
21) Allyl Chloride	4.45	41	52446	0.578	ppbv		95
22) trans-1,2-Dichloroethene	4.94	96	39622	0.574	ppbv		88
23) Vinyl Acetate	5.13	43	72098	0.388	ppbv	#	91
24) 1,1-Dichloroethane	5.06	63	85396	0.592	ppbv	#	96
25) Ethyl Acetate	5.75	43	119831	0.493	ppbv		98
26) Hexane	5.75	57	52808	0.477	ppbv		90
27) Carbon Disulfide	4.60	76	86736	0.564	ppbv	#	83
28) Methyl tert-Butyl Ether	5.10	73	88813	0.530	ppbv		100
29) Chloroform	5.82	83	116159	0.613	ppbv		88
30) Cyclohexane	7.20	84	2745	0.035	ppbv	#	1
31) cis-1,2-Dichloroethene	5.61	61	46562	0.480	ppbv		89
32) 1,1,1-Trichloroethane	6.59	97	101699	0.556	ppbv		98
34) 2-Butanone	5.31	43	66803	0.409	ppbv		96
35) Carbon Tetrachloride	7.10	117	56600	0.253	ppbv		99
36) Benzene	6.97	78	99893	0.452	ppbv	#	92
37) 1,2-Dichloroethane	6.38	62	83500	0.511	ppbv	#	97
39) 1,2-Dichloropropane	7.71	63	37757	0.443	ppbv	#	88
40) 1,4-Dioxane	7.95	88	2254	0.065	ppbv	#	1
41) Tetrahydrofuran	6.14	42	12793	0.154	ppbv	#	30
42) Bromodichloromethane	7.89	83	107154	0.490	ppbv		90
43) Methyl Methacrylate	8.11	69	23214	0.281	ppbv	#	61
44) 2,2,4-Trimethylpentane	7.96	57	84727	0.216	ppbv	#	43

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070219\

Quantitation Report (Not Reviewed)

Data File : VL033992.D
Acq On : 2 Jul 2019 15:36
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Jul 02 16:34:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 02 16:27:55 2019
QLast Update : Tue Jul 02 16:27:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) t-1,3-Dichloropropene	9.38	75	17151	0.158	ppbv		91
46) cis-1,3-Dichloropropene	8.80	75	19380	0.156	ppbv	#	89
47) 1,1,2-Trichloroethane	9.57	97	23550	0.232	ppbv	#	87
48) Dibromochloromethane	10.42	129	117419	0.642	ppbv		97
49) Bromoform	13.16	173	49333	0.306	ppbv	#	63
50) 4-Methyl-2-Pentanone	8.84	43	21642	0.089	ppbv	#	37
51) 2-Hexanone	10.26	43	54771	0.288	ppbv	#	70
52) Tetrachloroethene	11.33	164	22470	0.289	ppbv		86
53) Toluene	9.91	91	91753	0.375	ppbv		94
54) 1,2-Dibromoethane	10.72	107	66286	0.432	ppbv		86
56) 1,1,1,2-Tetrachloroethane	12.25	131	62389	0.521	ppbv	#	1
57) Chlorobenzene	12.27	112	39534	0.193	ppbv	#	80
58) Ethyl Benzene	12.83	91	124140	0.402	ppbv		90
59) m/p-Xylene	13.11	91	91544	0.326	ppbv	#	1
60) o-Xylene	13.81	91	127079	0.438	ppbv		97
61) Styrene	13.64	104	36316	0.193	ppbv	#	26
62) Isopropylbenzene	14.79	105	101817	0.260	ppbv	#	65
63) 1,1,2,2-Tetrachloroethane	13.80	83	54904	0.251	ppbv	#	25
64) n-propylbenzene	15.68	120	27234	0.272	ppbv		85
65) tert-Butylbenzene	16.88	119	158635	0.438	ppbv		95
66) Benzyl Chloride	17.12	91	15520	0.085	ppbv	#	1
67) sec-Butylbenzene	17.42	105	226159	0.445	ppbv		99
69) p-Isopropyltoluene	17.78	119	181934	0.431	ppbv		98
70) n-Butylbenzene	18.68	91	103528	0.224	ppbv	#	51
71) 2-Chlorotoluene	15.58	91	90832	0.315	ppbv		84
72) 4-Ethyltoluene	15.96	105	134045	0.406	ppbv	#	95
73) 1,3,5-Trimethylbenzene	16.13	105	137920	0.424	ppbv		87
74) 1,2,4-Trimethylbenzene	16.89	105	171736	0.458	ppbv	#	82
75) 1,3-Dichlorobenzene	17.13	146	84141	0.358	ppbv	#	57
76) 1,4-Dichlorobenzene	17.27	146	97739	0.453	ppbv		93
77) 1,2-Dichlorobenzene	17.95	146	108510	0.501	ppbv		99
78) Hexachloro-1,3-Butadiene	23.50	225	49874	0.295	ppbv	#	7
79) Naphthalene	22.37	128	48202	0.161	ppbv	#	91
80) Naphthalene,2-methyl-	25.08	142	40685	0.340	ppbv		95
81) 1,2,4-Trichlorobenzene	22.10	180	60499	0.320	ppbv	#	65

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

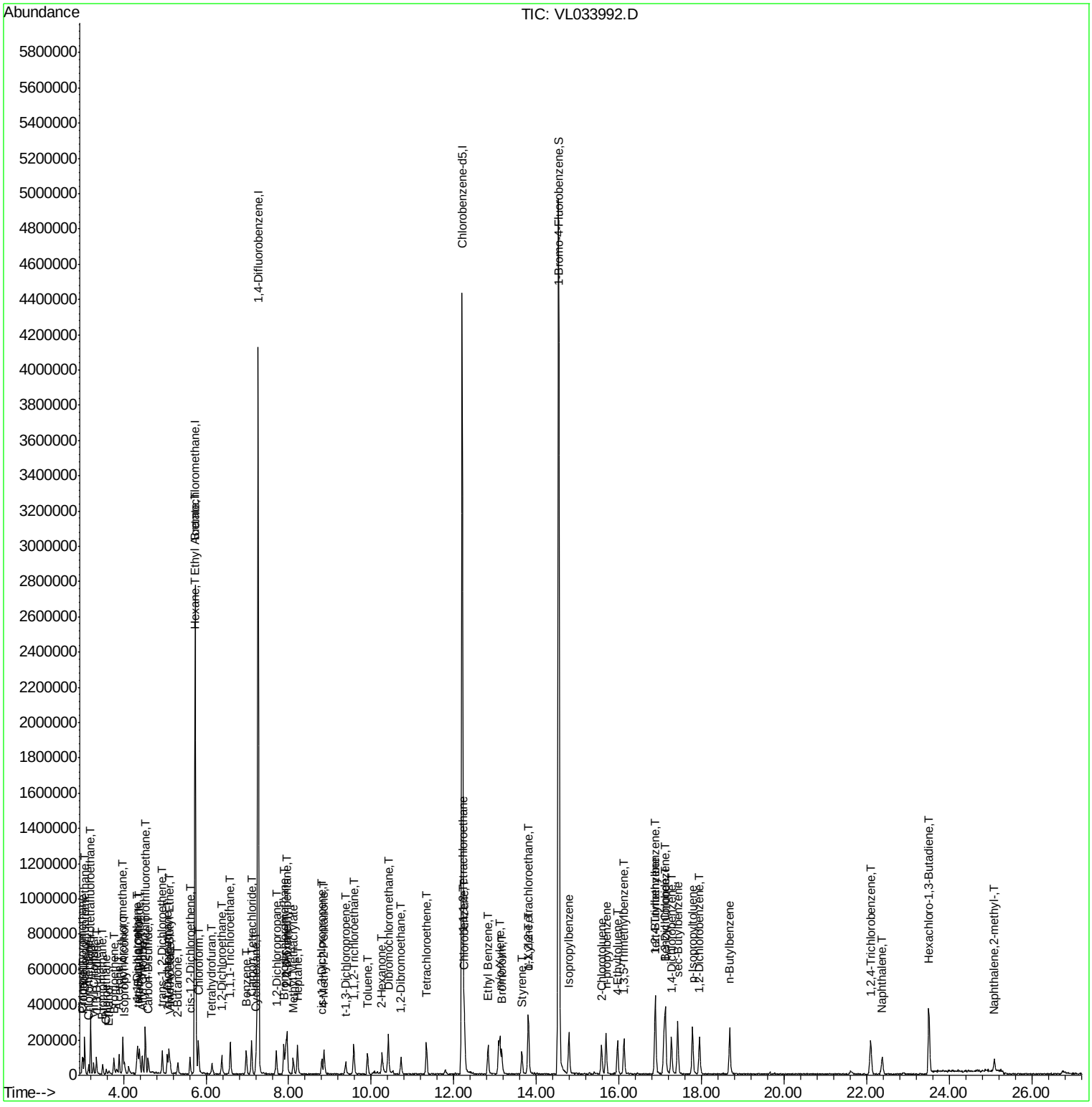
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL070219\

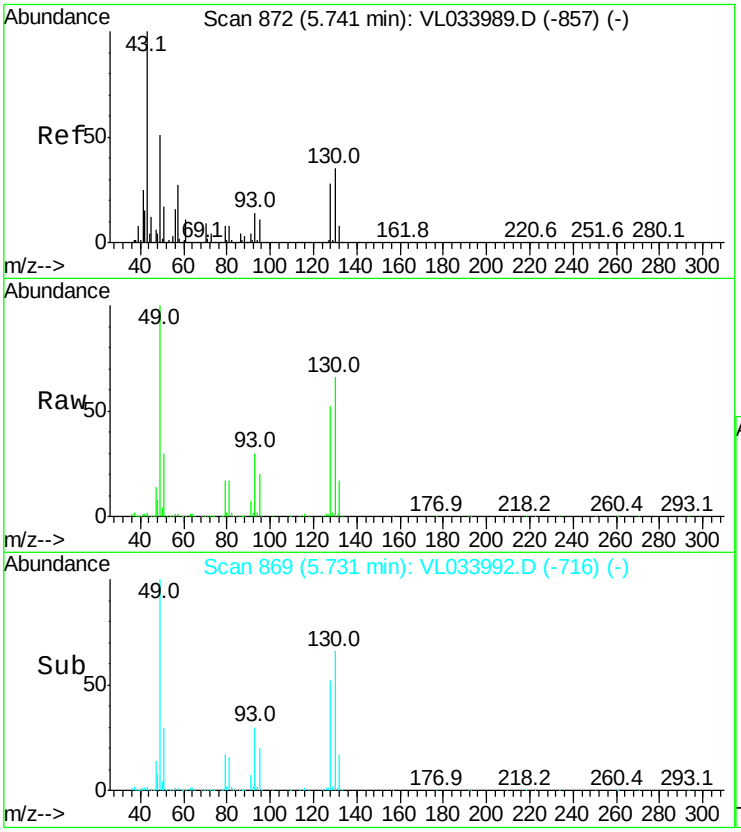
Quantitation Report (Not Reviewed)

Data File : VL033992.D
Acq On : 2 Jul 2019 15:36
Operator : SY/AP
Sample : VSTDICC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Quant Time: Jul 02 16:34:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 02 16:27:55 2019
QLast Update : Tue Jul 02 16:27:55 2019
Response via : Initial Calibration



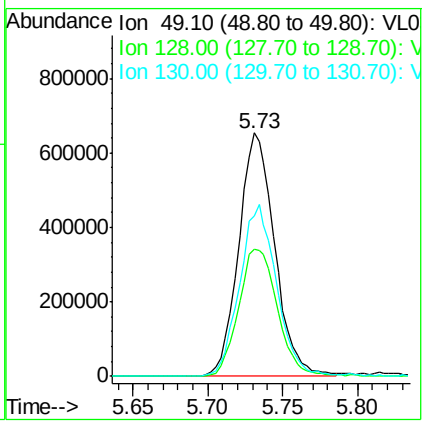


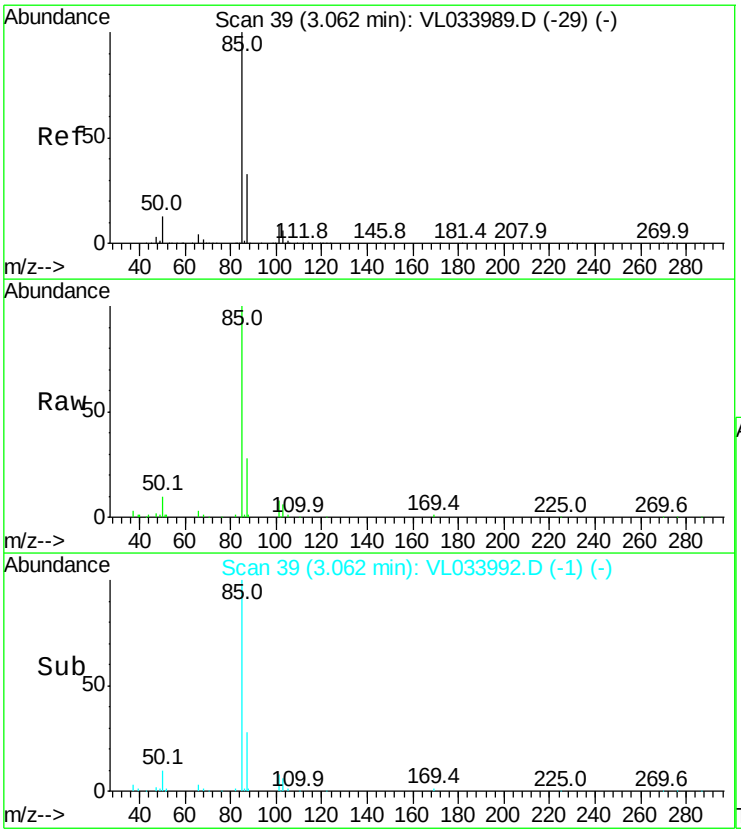
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.73 min Scan# 869
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 49 Resp: 1094816

Ion	Ratio	Lower	Upper
49	100		
128	56.9	27.9	83.6
130	73.1	35.8	107.4

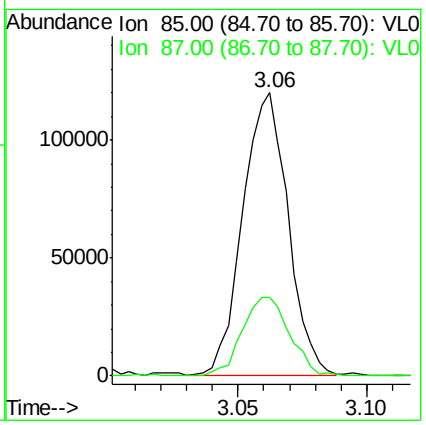


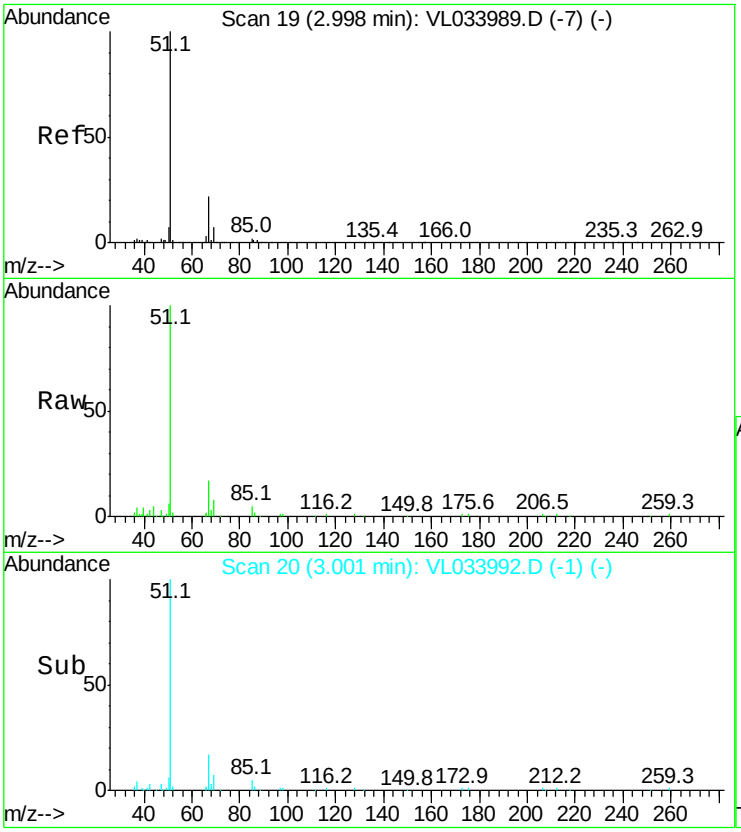


#2
Dichlorodifluoromethane
Concen: 0.827 ppbv
RT: 3.06 min Scan# 39
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 85 Resp: 146969

Ion	Ratio	Lower	Upper
85	100		
87	27.4	26.0	39.0



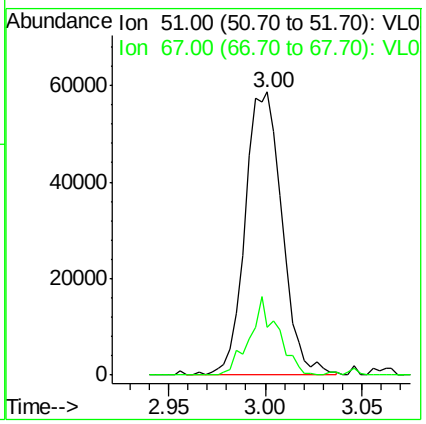


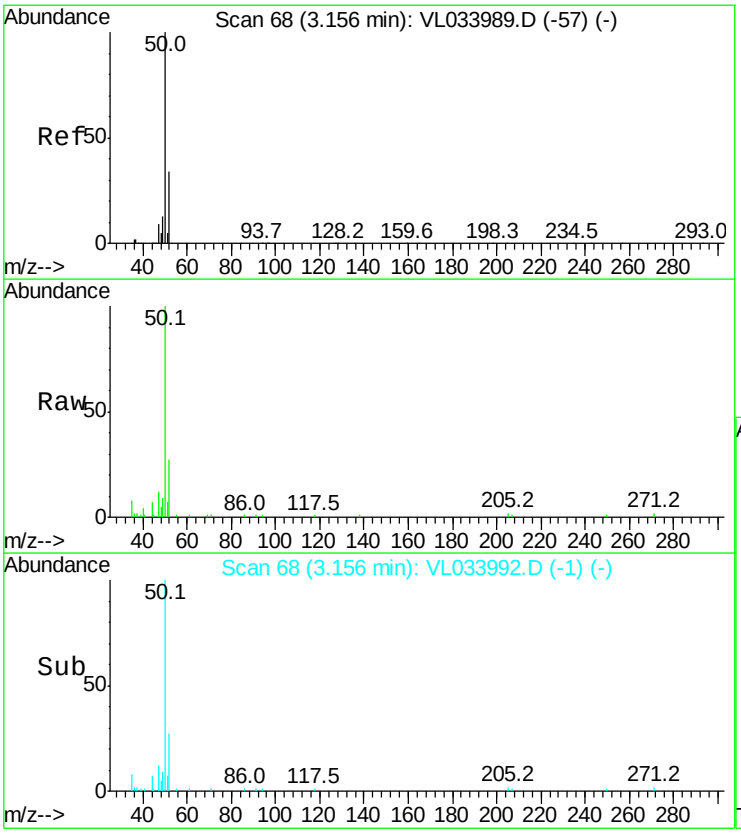
#3
Chlorodifluoromethane
Concen: 0.606 ppbv
RT: 3.00 min Scan# 20
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 51 Resp: 78121

Ion	Ratio	Lower	Upper
51	100		
67	21.5	17.3	25.9

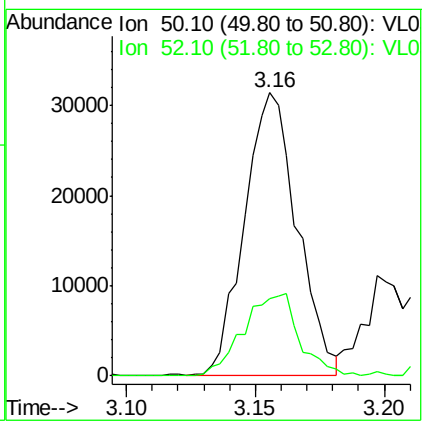


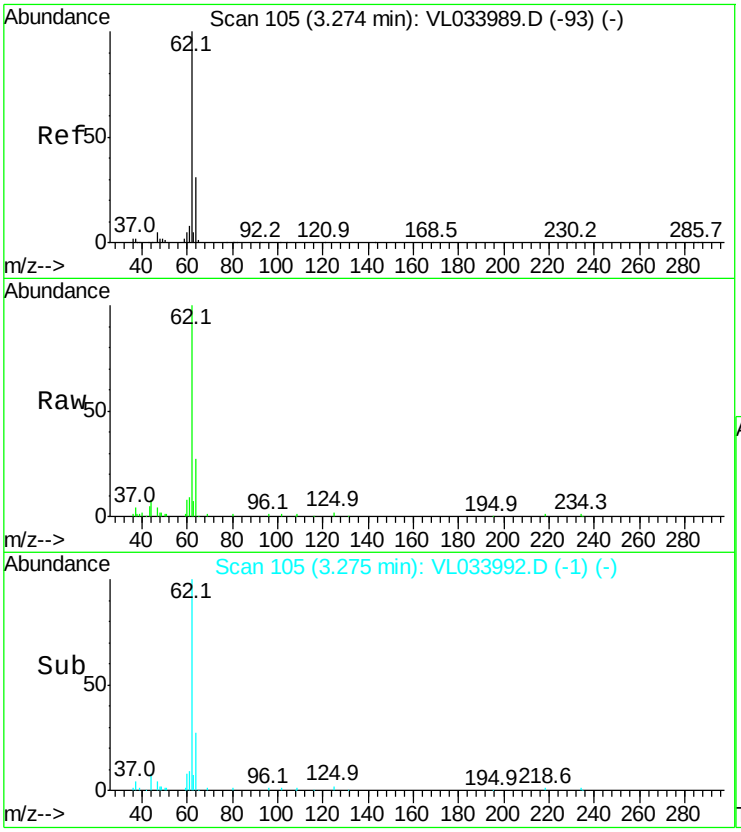


#4
Chloromethane
Concen: 0.612 ppbv
RT: 3.16 min Scan# 68
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 50 Resp: 44966

Ion	Ratio	Lower	Upper
50	100		
52	27.2	27.4	41.0#



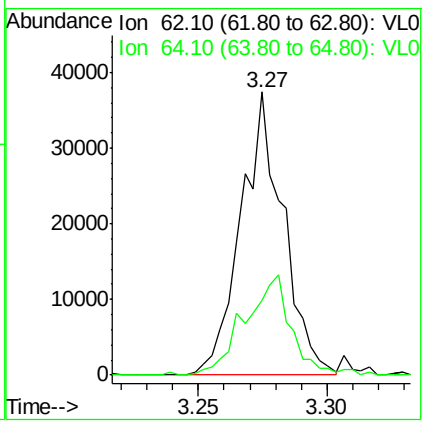


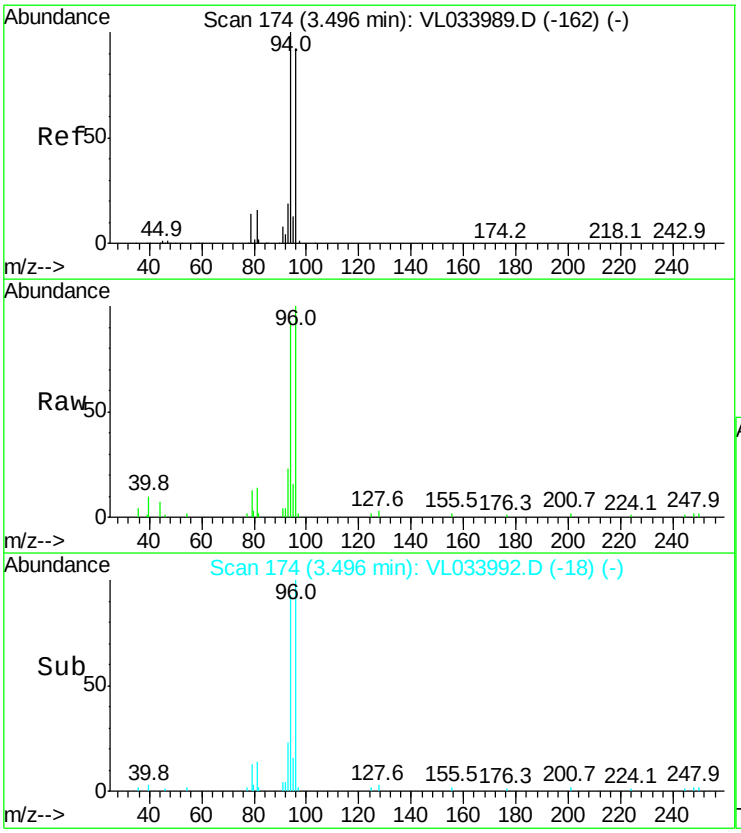
#5
Vinyl Chloride
Concen: 0.628 ppbv
RT: 3.27 min Scan# 105
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 62 Resp: 42845

Ion	Ratio	Lower	Upper
62	100		
64	26.5	24.4	36.6

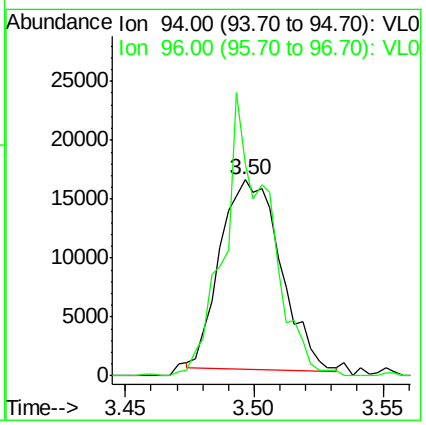


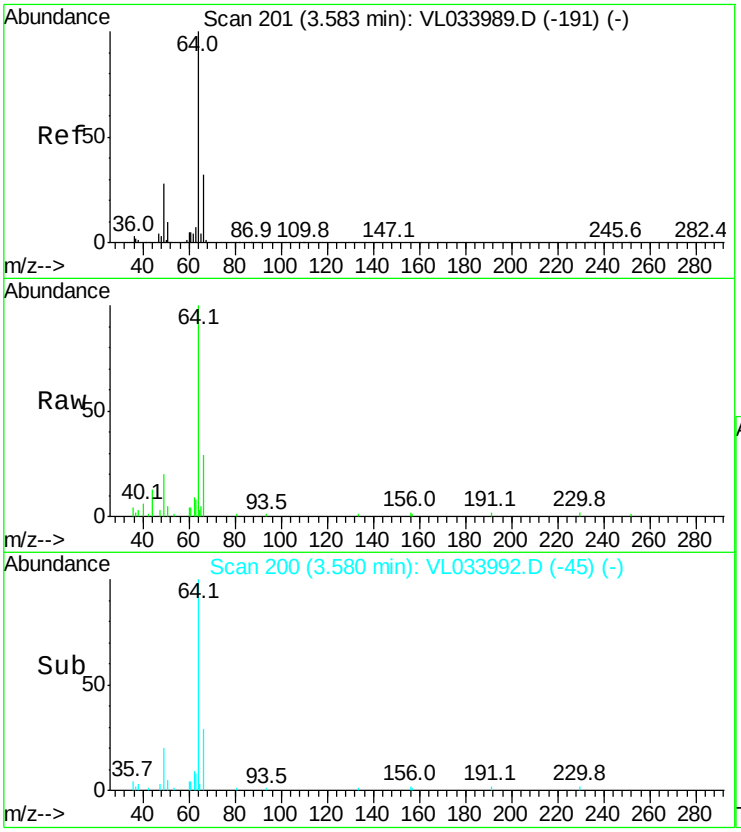


#6
Bromomethane
Concen: 0.581 ppbv
RT: 3.50 min Scan# 174
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 94 Resp: 26335

Ion	Ratio	Lower	Upper
94	100		
96	109.4	73.8	110.8



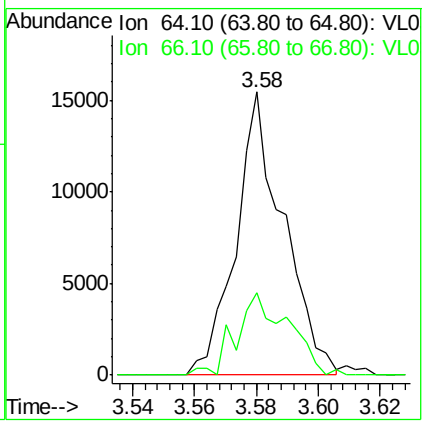


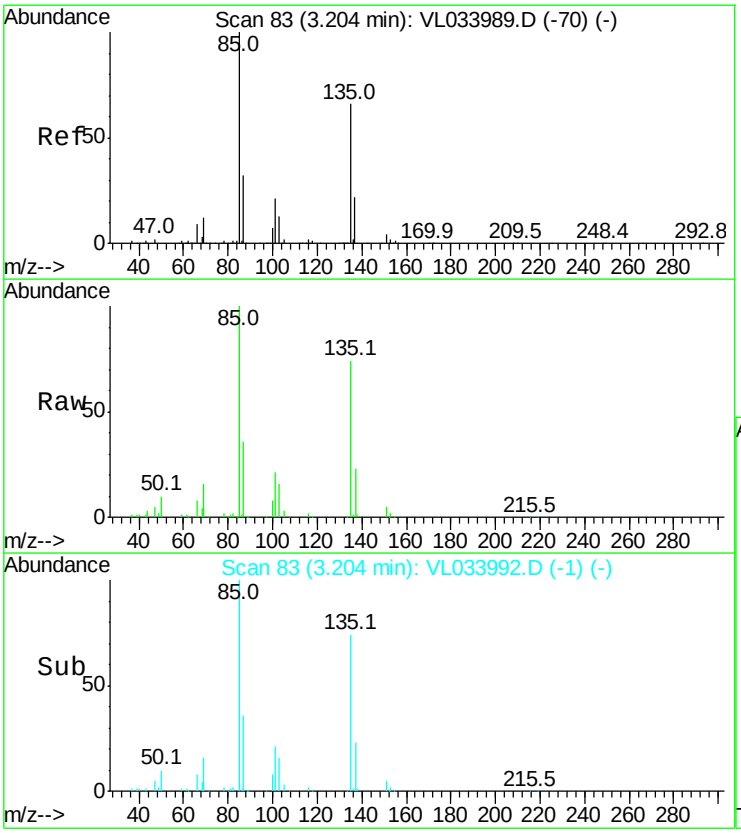
#7
Chloroethane
Concen: 0.609 ppbv
RT: 3.58 min Scan# 200
Delta R.T. -0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 64 Resp: 16437

Ion	Ratio	Lower	Upper
64	100		
66	28.3	25.3	37.9

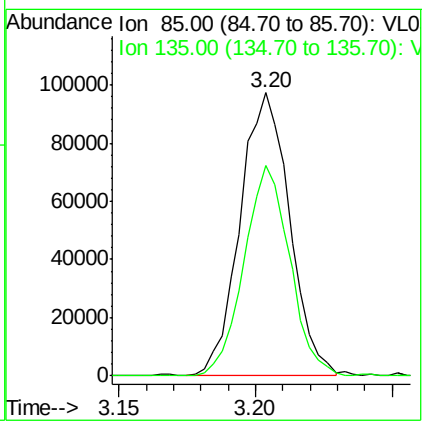


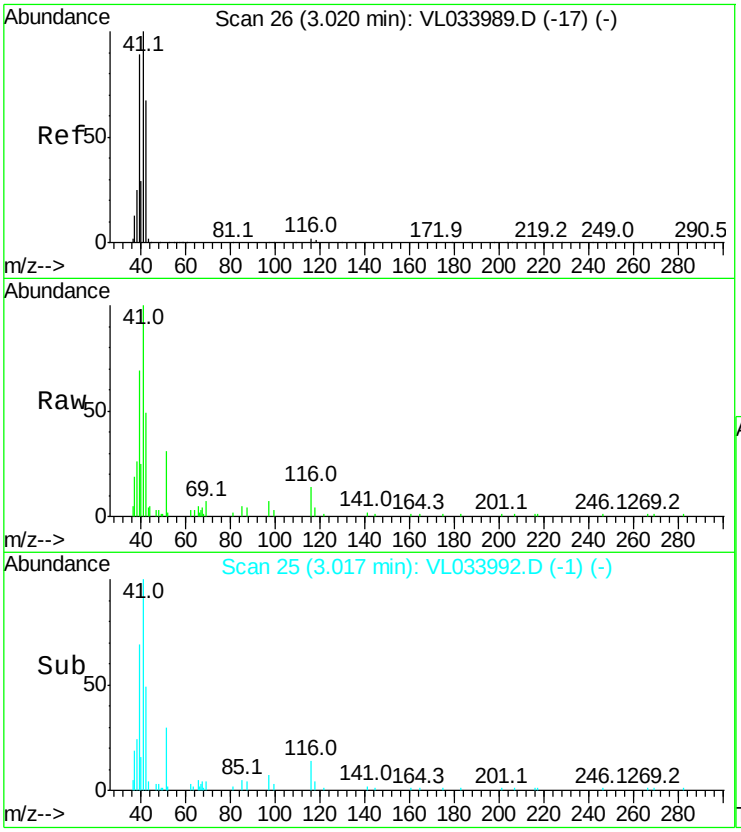


#8
Dichlorotetrafluoroethane
Concen: 0.644 ppbv
RT: 3.20 min Scan# 83
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 85 Resp: 122206

Ion	Ratio	Lower	Upper
85	100		
135	68.7	55.0	82.4



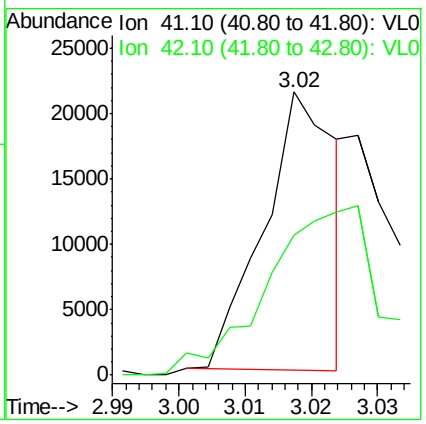


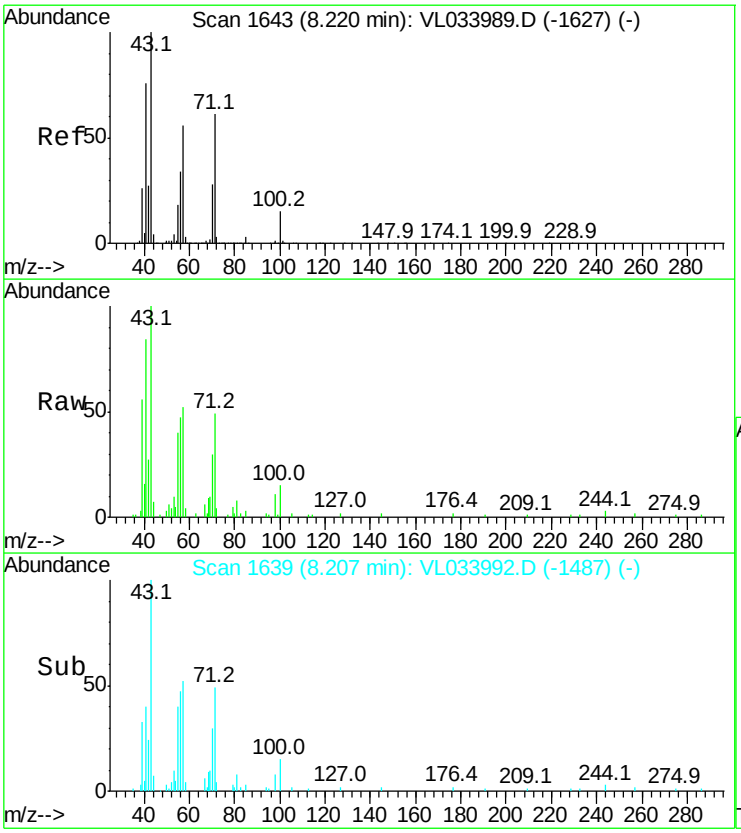
#9
Propene
Concen: 0.332 ppbv
RT: 3.02 min Scan# 25
Delta R.T. -0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 16001

Ion	Ratio	Lower	Upper
41	100		
42	0.0	57.1	85.7#

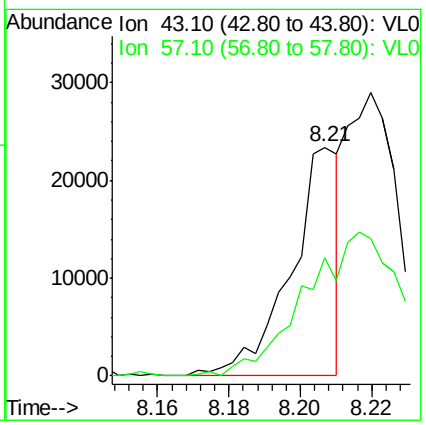


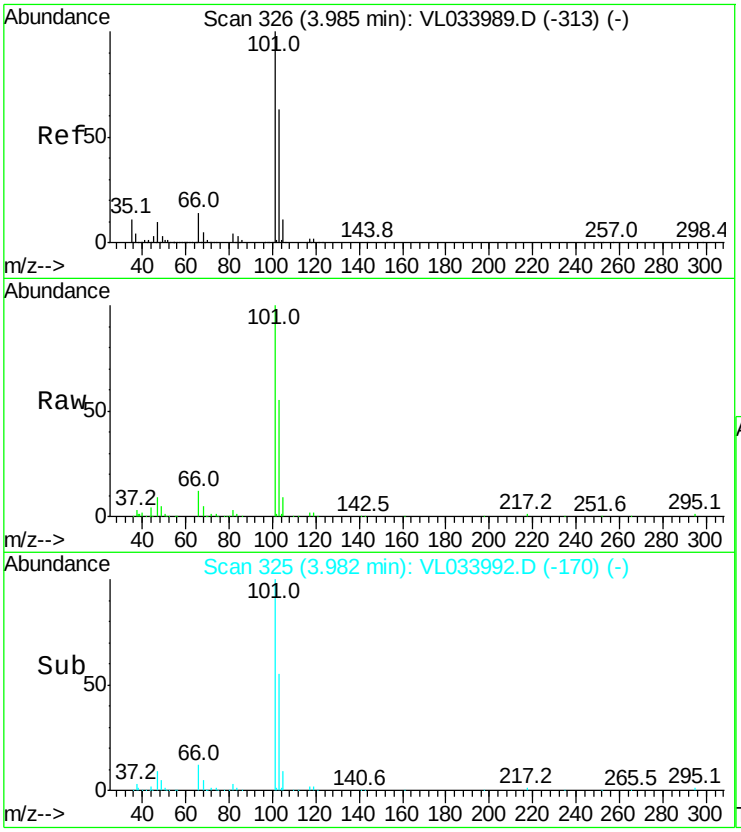


#10
Heptane
Concen: 0.179 ppbv
RT: 8.21 min Scan# 1639
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 43 Resp: 21853

Ion	Ratio	Lower	Upper
43	100		
57	0.0	44.6	66.8#



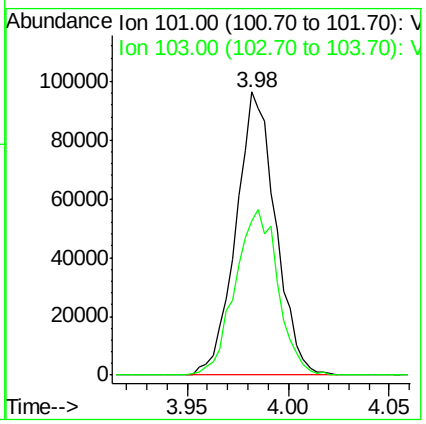


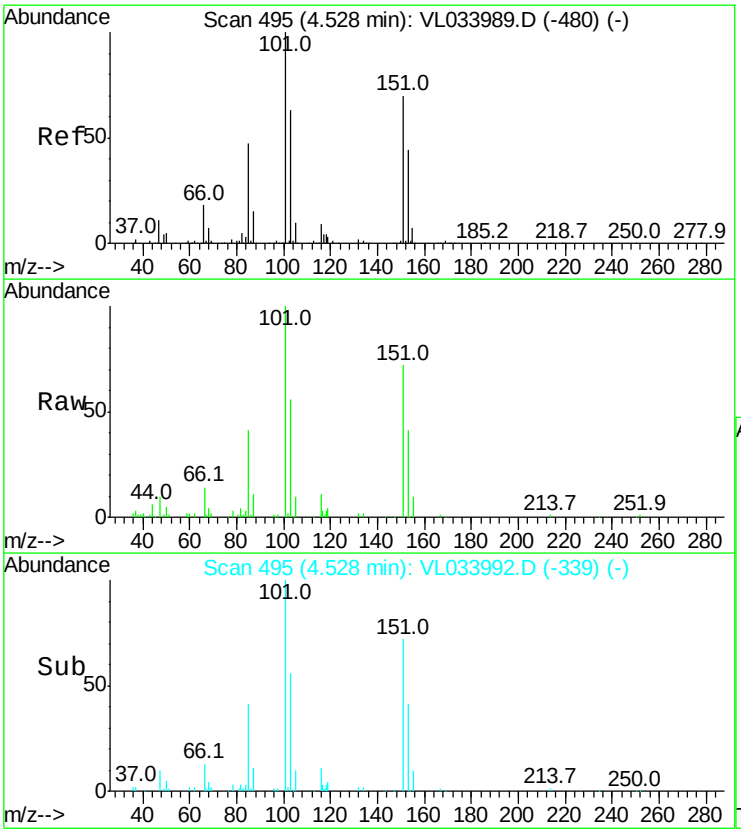
#11
Trichlorofluoromethane
Concen: 0.580 ppbv
RT: 3.98 min Scan# 325
Delta R.T. -0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:101 Resp: 132975

Ion	Ratio	Lower	Upper
101	100		
103	54.6	50.8	76.2

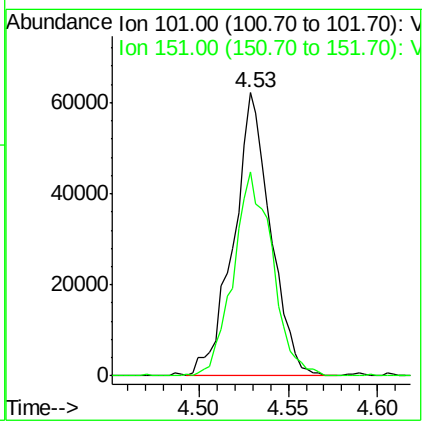


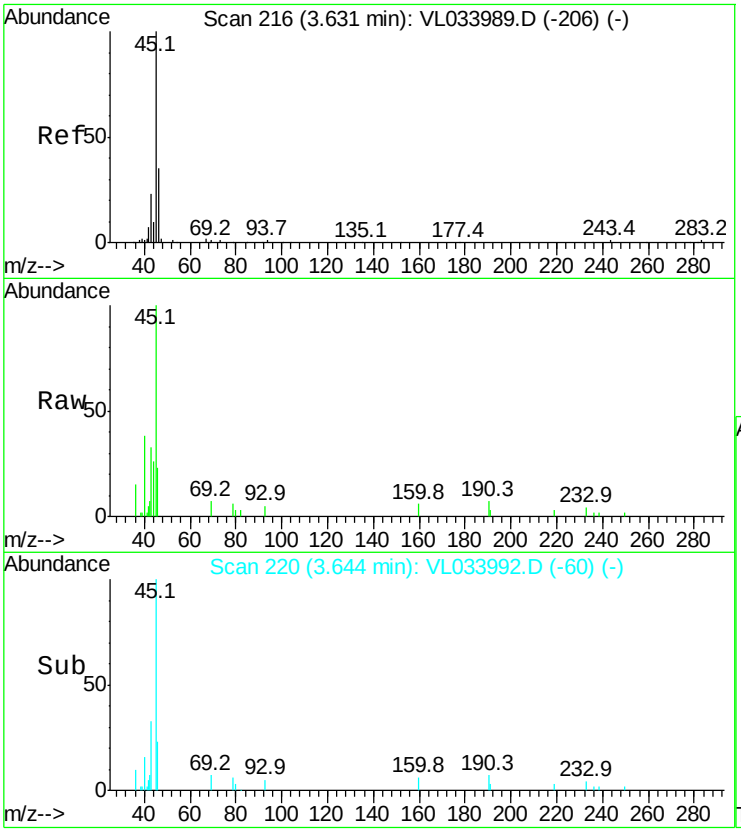


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.582 ppbv
RT: 4.53 min Scan# 495
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion:101 Resp: 90152

Ion	Ratio	Lower	Upper
101	100		
151	76.1	59.0	88.4



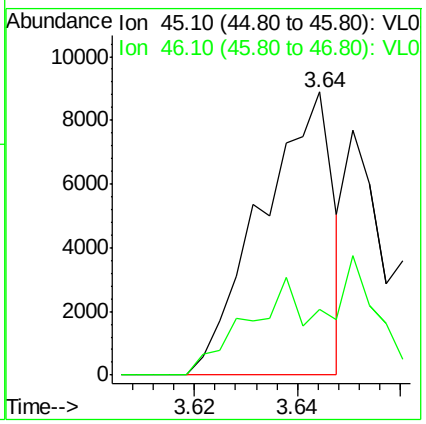


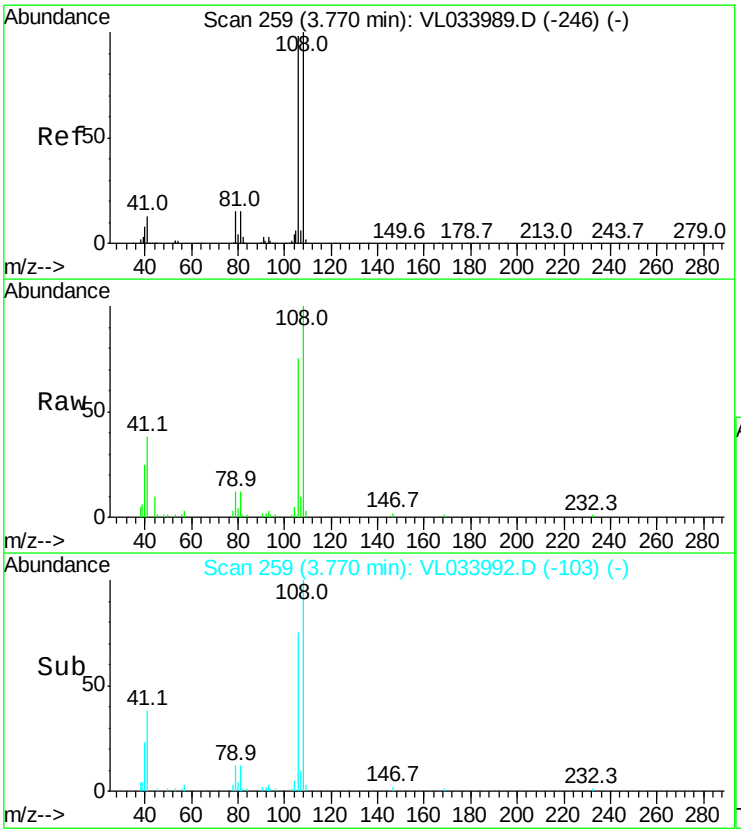
#13
Ethanol
Concen: 0.547 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 8589

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.2	64.6#

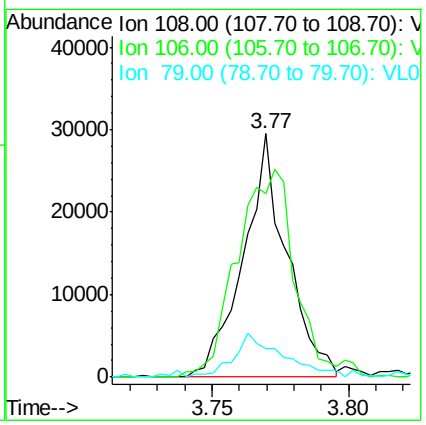


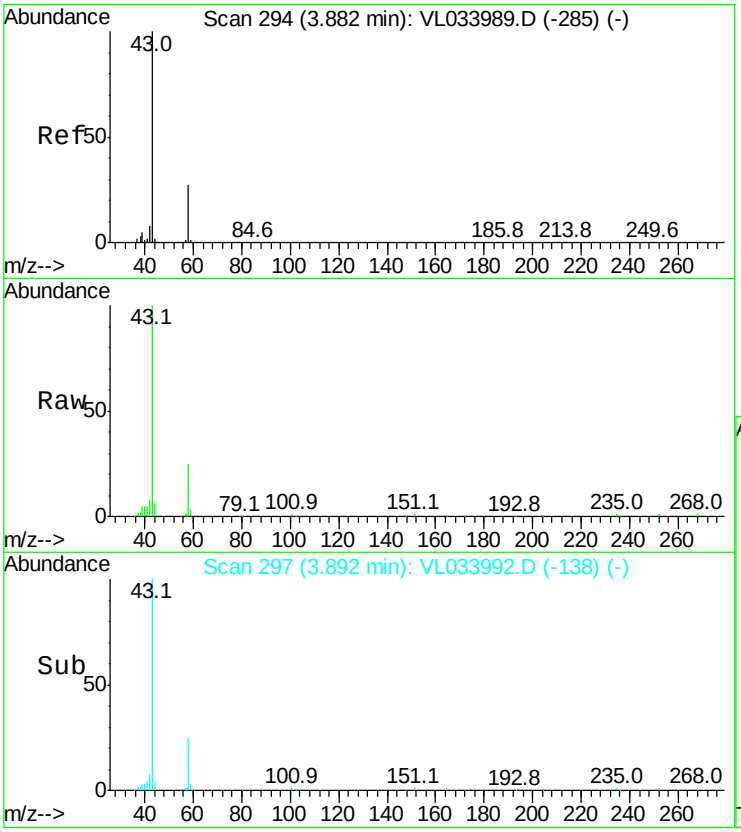


#14
Bromoethene
Concen: 0.562 ppbv
RT: 3.77 min Scan# 259
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion:108 Resp: 32443

Ion	Ratio	Lower	Upper
108	100		
106	115.3	85.6	128.4
79	23.0	14.0	21.0#



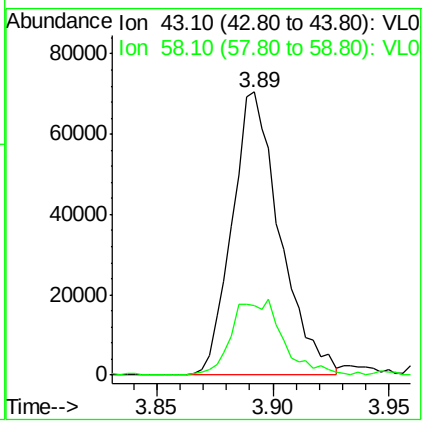


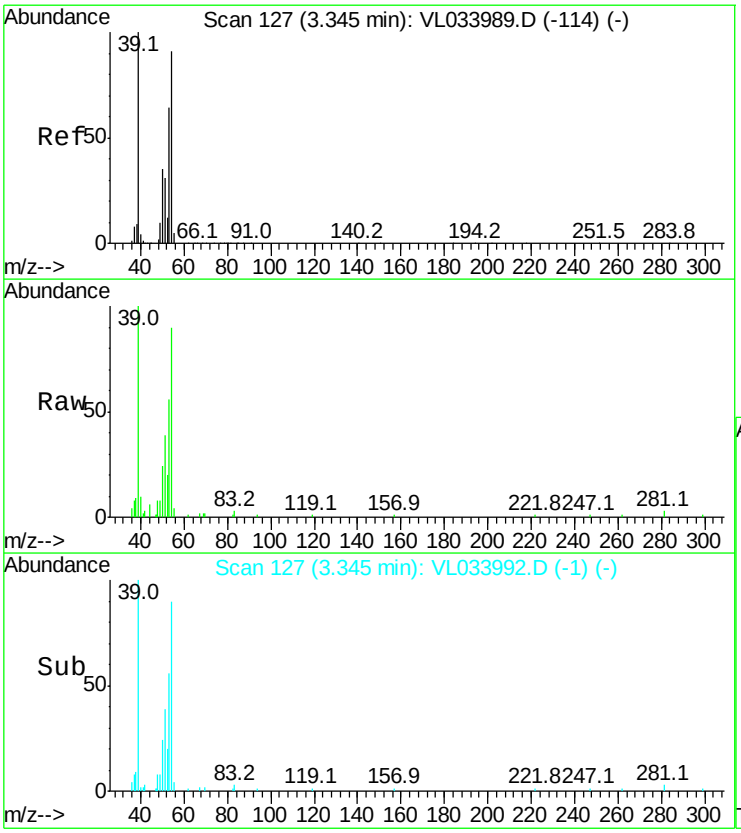
#15
Acetone
Concen: 0.636 ppbv
RT: 3.89 min Scan# 297
Delta R.T. 0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 101547

Ion	Ratio	Lower	Upper
43	100		
58	29.3	21.4	32.0

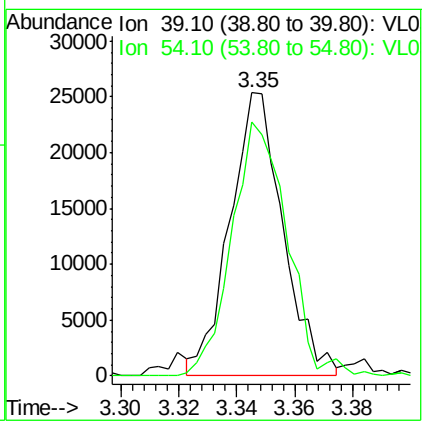


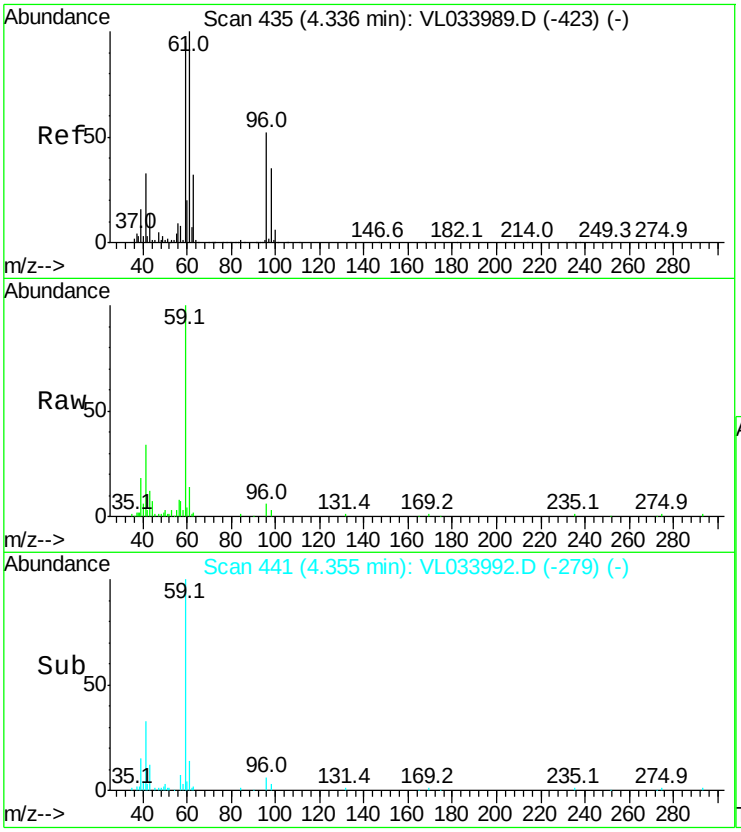


#16
1,3-Butadiene
Concen: 0.530 ppbv
RT: 3.35 min Scan# 127
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 39 Resp: 32185

Ion	Ratio	Lower	Upper
39	100		
54	93.7	71.4	107.2



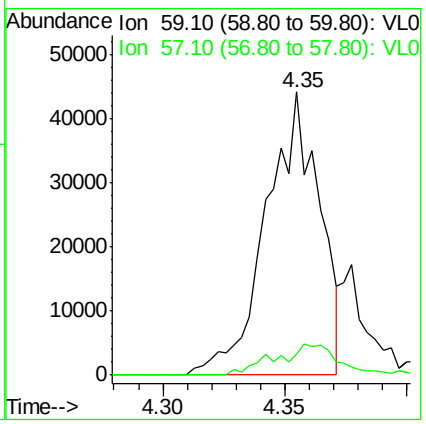


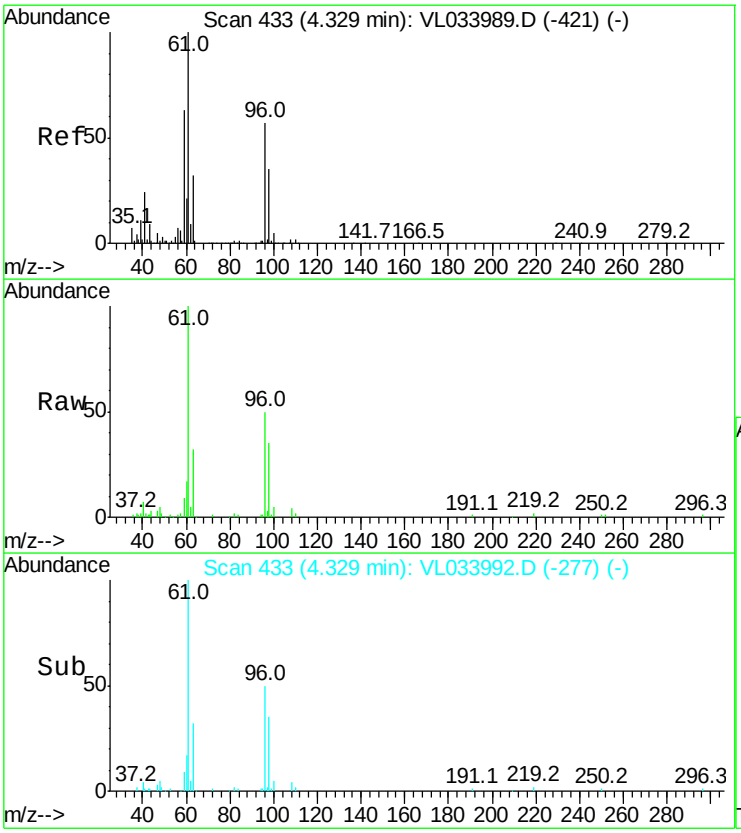
#17
tert-Butyl alcohol
Concen: 0.532 ppbv
RT: 4.35 min Scan# 441
Delta R.T. 0.02 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 59 Resp: 66363

Ion	Ratio	Lower	Upper
59	100		
57	13.3	8.2	12.2#

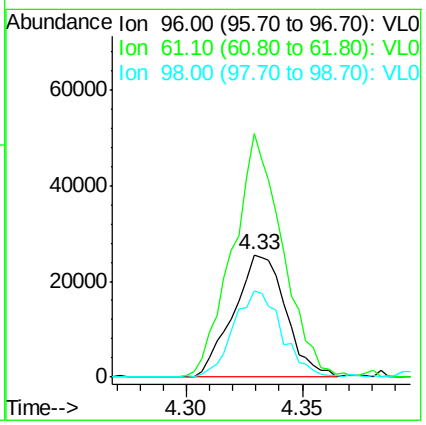


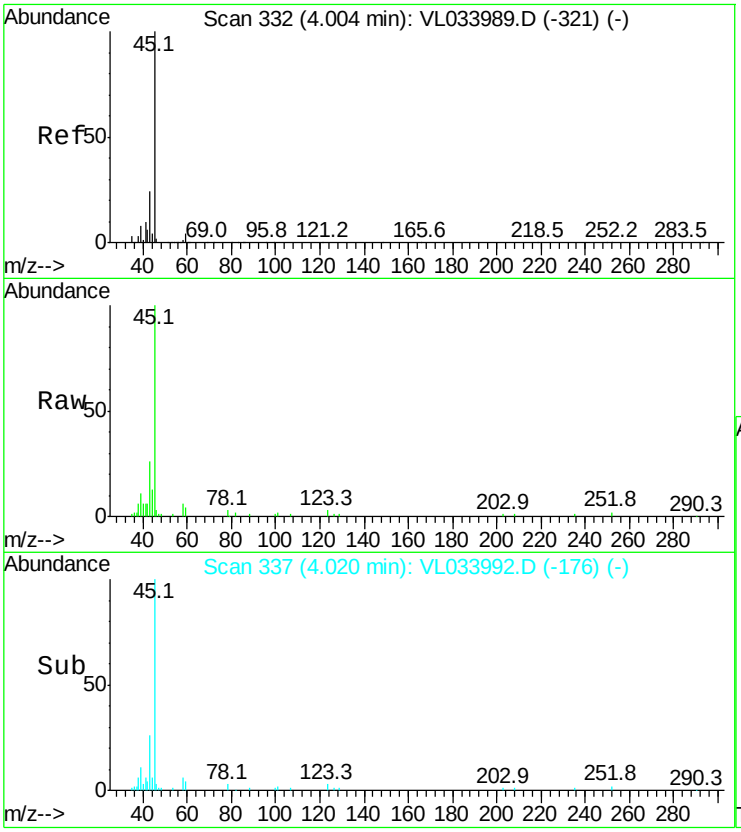


#18
1,1-Dichloroethene
Concen: 0.611 ppbv
RT: 4.33 min Scan# 433
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 96 Resp: 39959

Ion	Ratio	Lower	Upper
96	100		
61	198.2	139.4	209.0
98	69.1	49.4	74.0



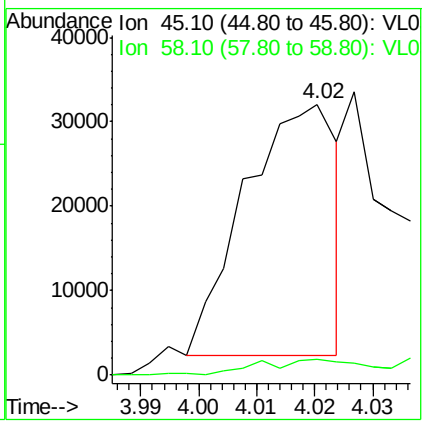


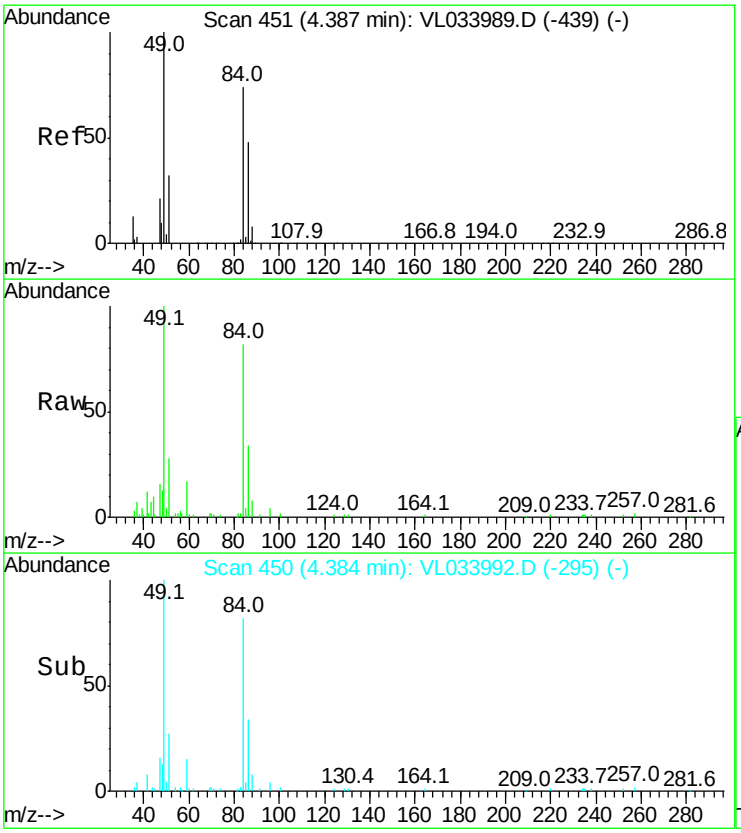
#19
Isopropyl Alcohol
Concen: 0.358 ppbv
RT: 4.02 min Scan# 337
Delta R.T. 0.02 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 45 Resp: 32655

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.7	2.5#

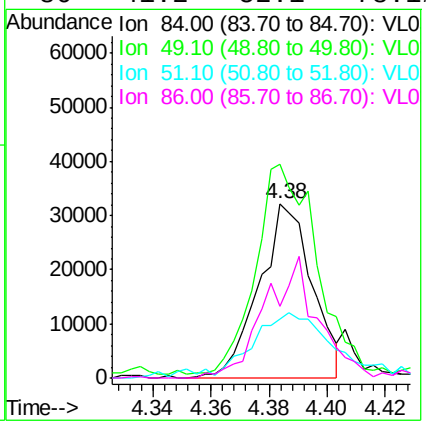


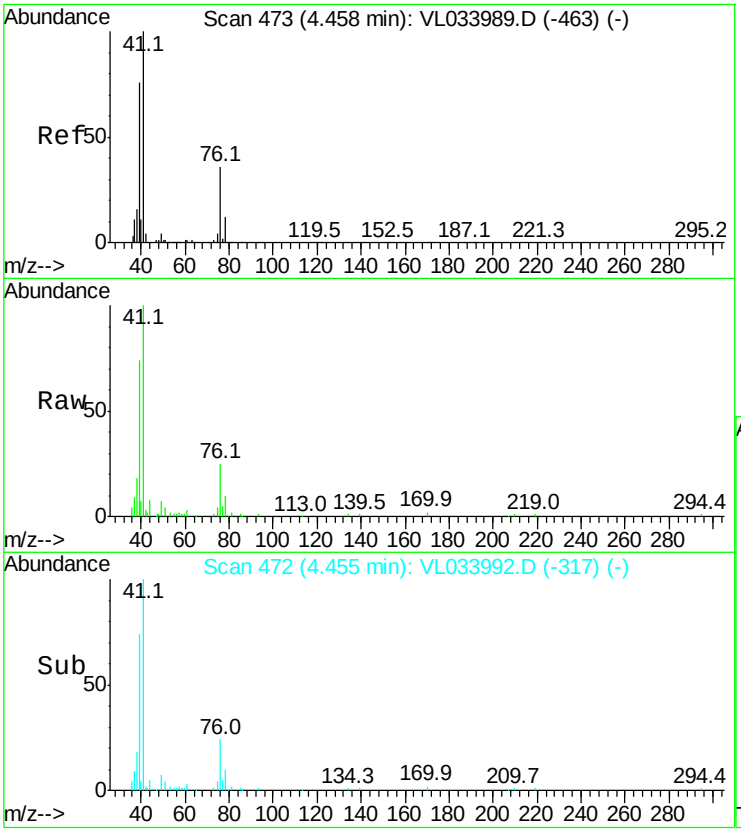


#20
Methylene Chloride
Concen: 0.654 ppbv
RT: 4.38 min Scan# 450
Delta R.T. -0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 84 Resp: 40729

Ion	Ratio	Lower	Upper
84	100		
49	120.4	107.6	161.4
51	28.6	35.0	52.6#
86	41.2	52.1	78.1#



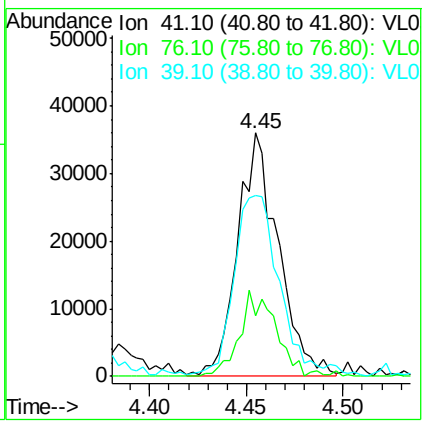


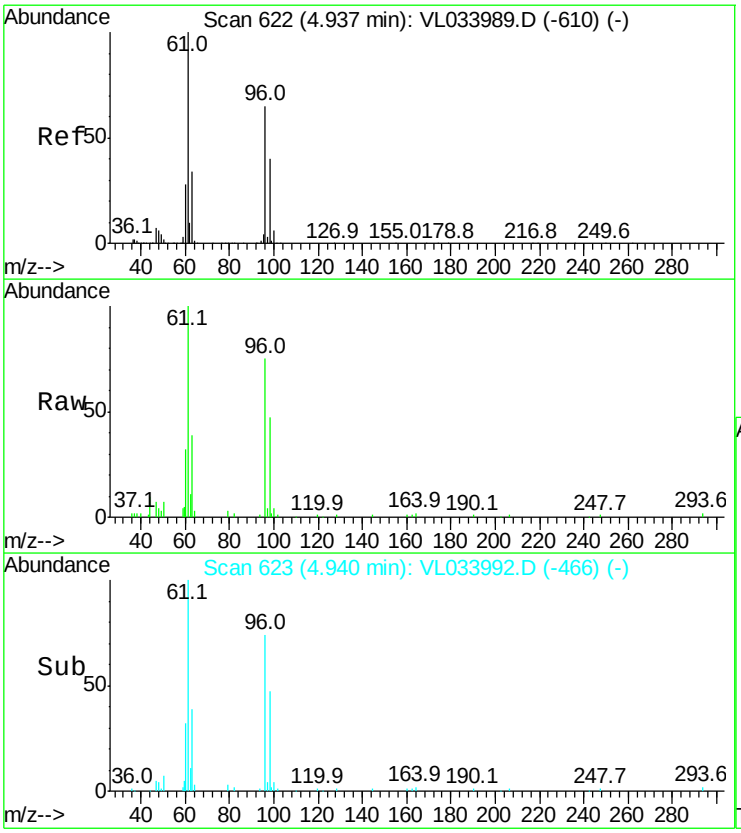
#21
Allyl Chloride
Concen: 0.578 ppbv
RT: 4.45 min Scan# 472
Delta R.T. -0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 41 Resp: 52446

Ion	Ratio	Lower	Upper
41	100		
76	31.8	26.8	40.2
39	83.6	63.1	94.7

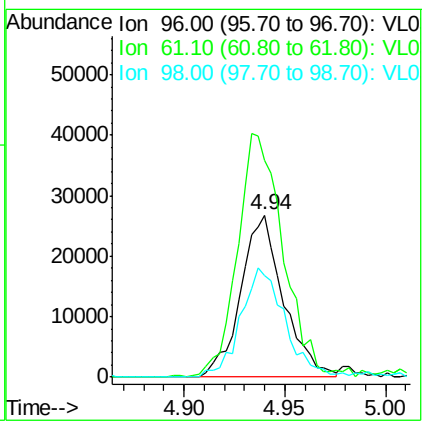


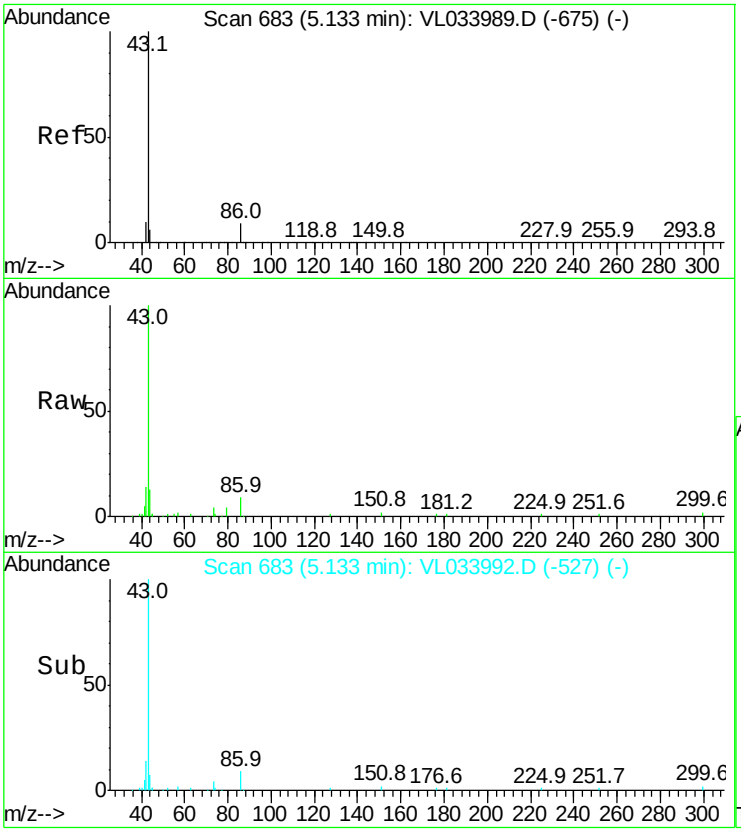


#22
trans-1,2-Dichloroethene
Concen: 0.574 ppbv
RT: 4.94 min Scan# 623
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 96 Resp: 39622

Ion	Ratio	Lower	Upper
96	100		
61	133.5	122.9	184.3
98	65.1	49.6	74.4



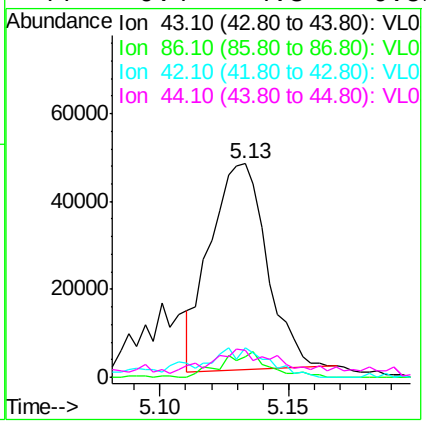


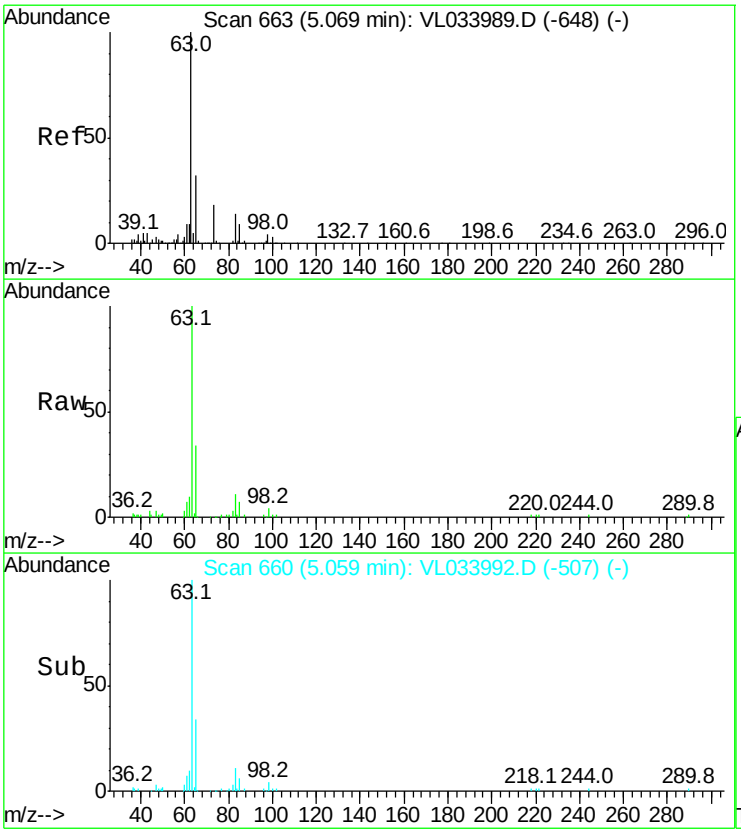
#23
Vinyl Acetate
Concen: 0.388 ppbv
RT: 5.13 min Scan# 683
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 43 Resp: 72098

Ion	Ratio	Lower	Upper
43	100		
86	9.9	6.6	9.8#
42	14.7	8.3	12.5#
44	9.4	4.3	6.5#

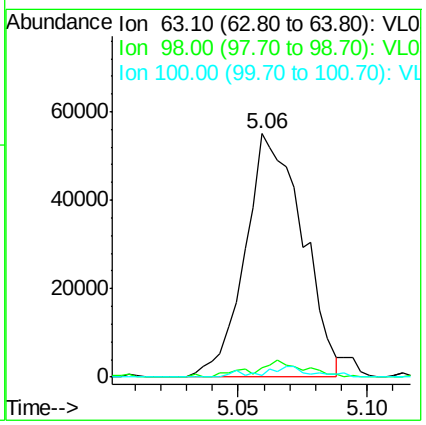


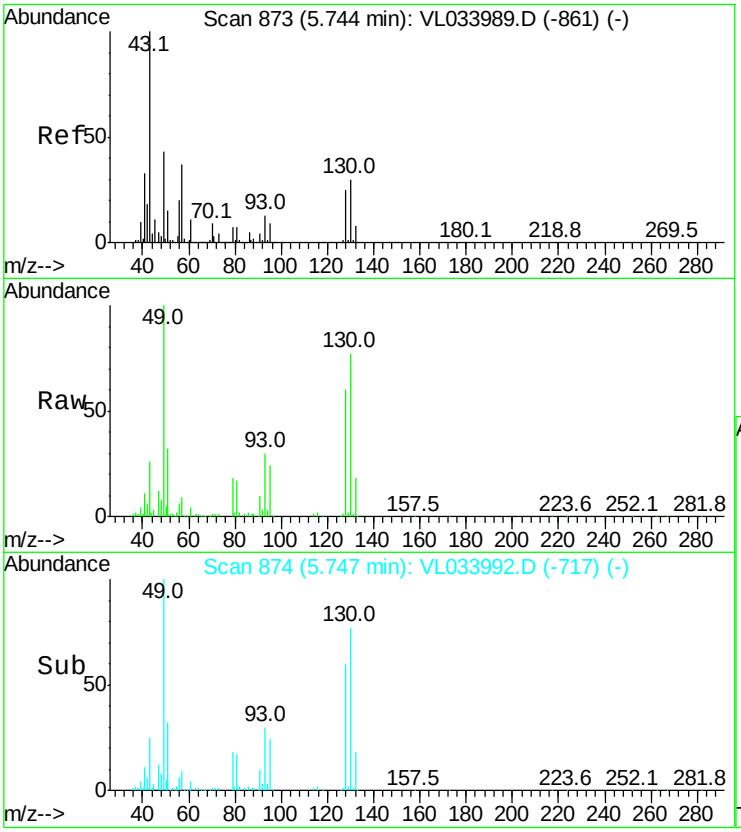


#24
1,1-Dichloroethane
Concen: 0.592 ppbv
RT: 5.06 min Scan# 660
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 63 Resp: 85396

Ion	Ratio	Lower	Upper
63	100		
98	3.3	2.2	6.6
100	0.9	1.4	4.2#



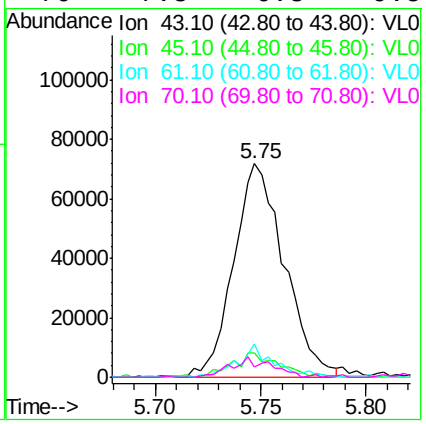


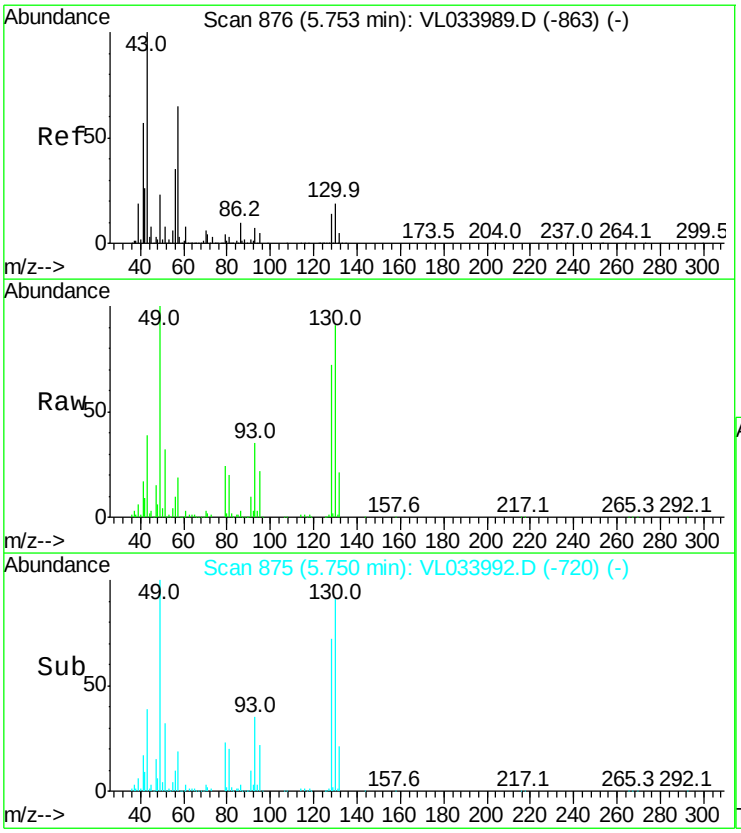
#25
Ethyl Acetate
Concen: 0.493 ppbv
RT: 5.75 min Scan# 874
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 119831

Ion	Ratio	Lower	Upper
43	100		
45	10.9	8.1	12.1
61	11.8	8.1	12.1
70	7.8	6.3	9.5

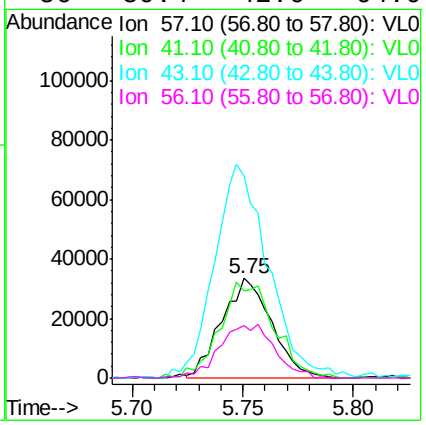


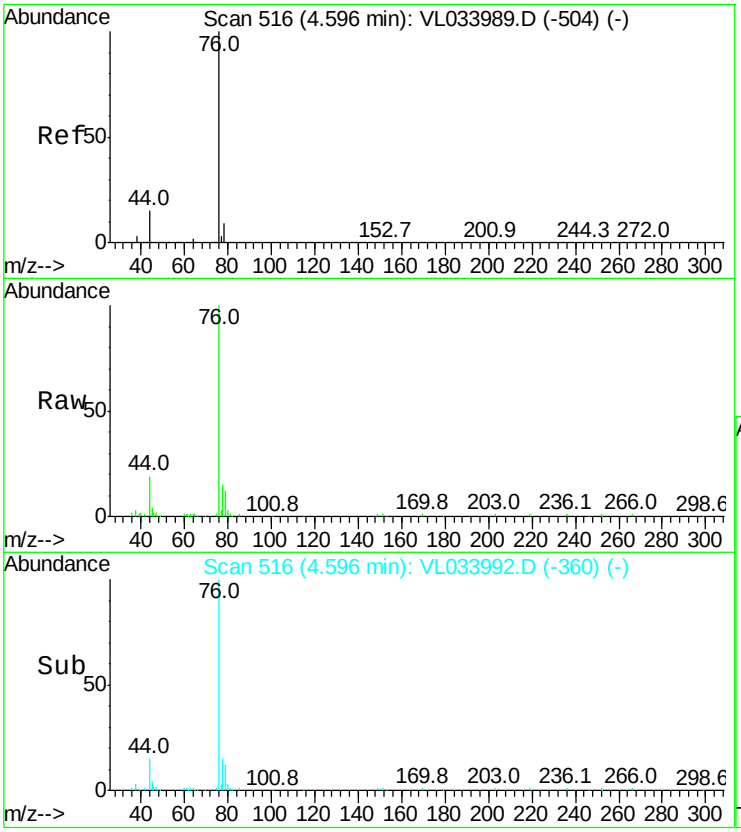


#26
Hexane
Concen: 0.477 ppbv
RT: 5.75 min Scan# 875
Delta R.T. -0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 57 Resp: 52808

Ion	Ratio	Lower	Upper
57	100		
41	105.5	70.6	105.8
43	233.9	177.6	266.4
56	59.4	42.6	64.0



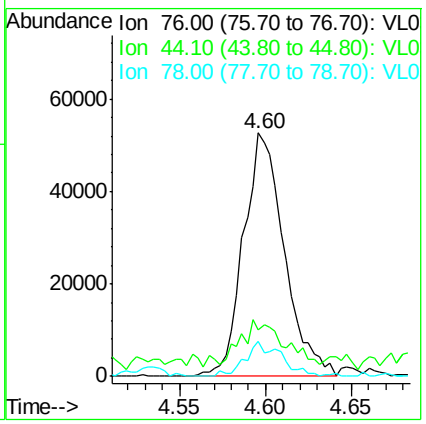


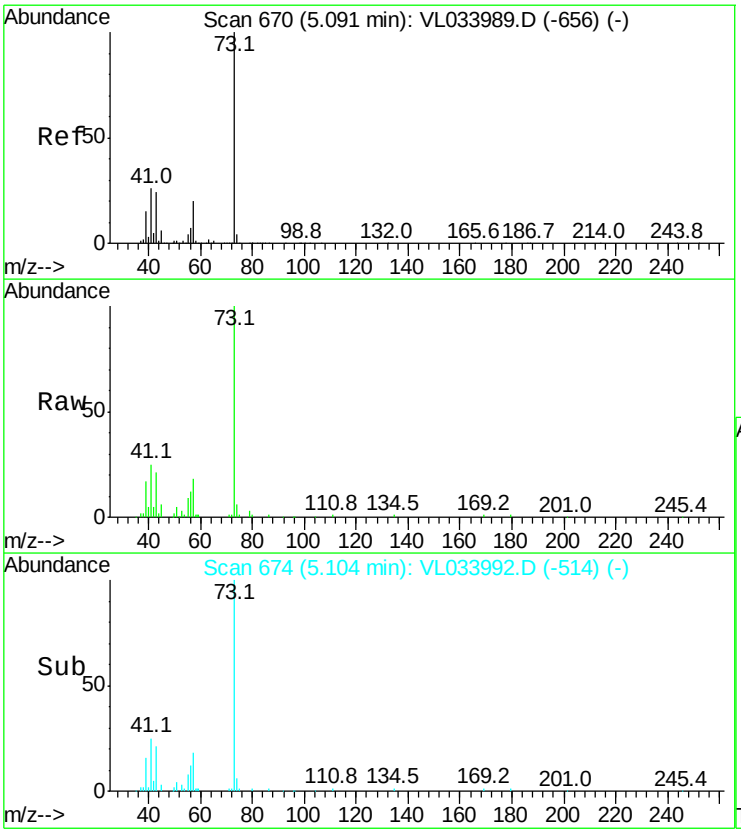
#27
Carbon Disulfide
Concen: 0.564 ppbv
RT: 4.60 min Scan# 516
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 76 Resp: 86736

Ion	Ratio	Lower	Upper
76	100		
44	24.4	12.6	18.8#
78	12.9	7.2	10.8#

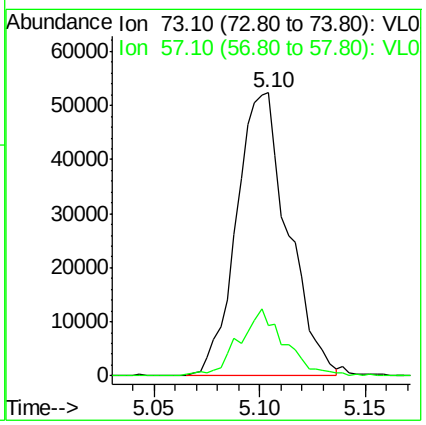


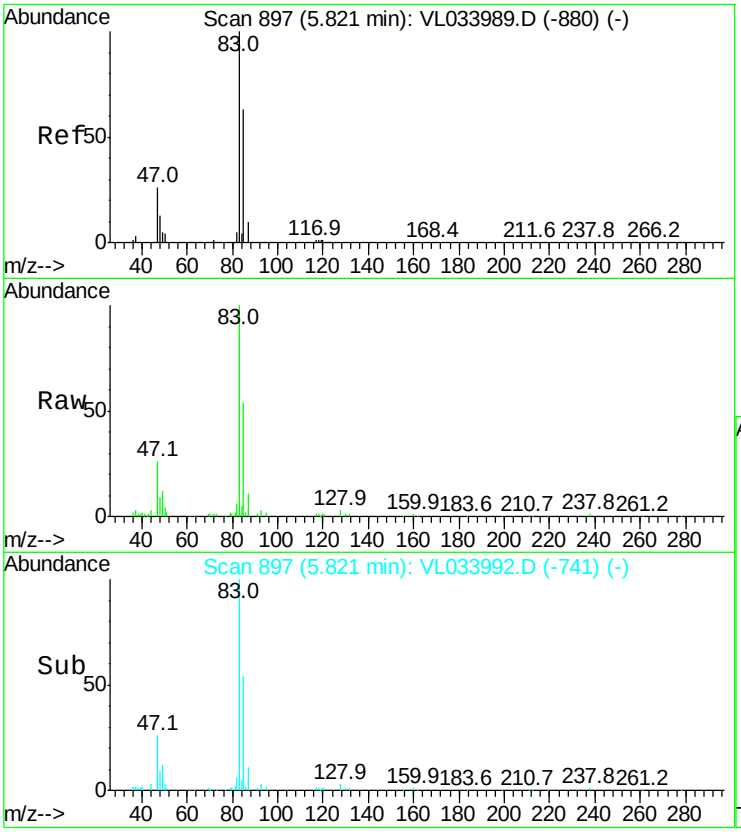


#28
Methyl tert-Butyl Ether
Concen: 0.530 ppbv
RT: 5.10 min Scan# 674
Delta R.T. 0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 73 Resp: 88813

Ion	Ratio	Lower	Upper
73	100		
57	21.3	16.9	25.3



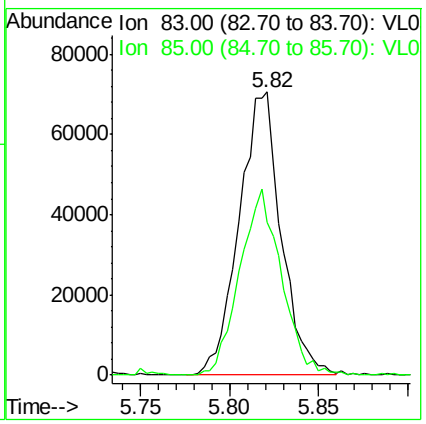


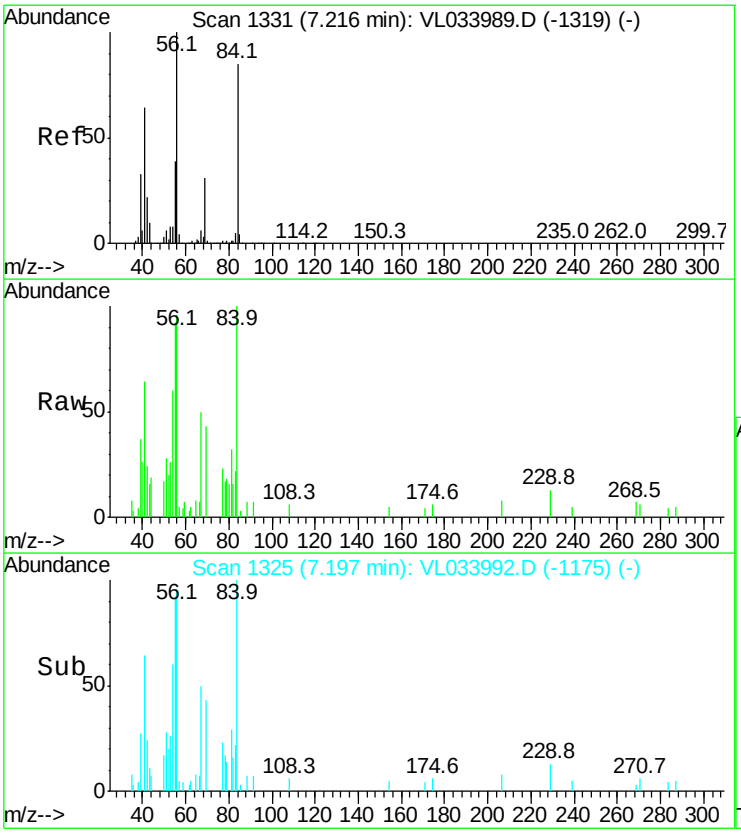
#29
Chloroform
Concen: 0.613 ppbv
RT: 5.82 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 116159

Ion	Ratio	Lower	Upper
83	100		
85	54.0	50.6	75.8

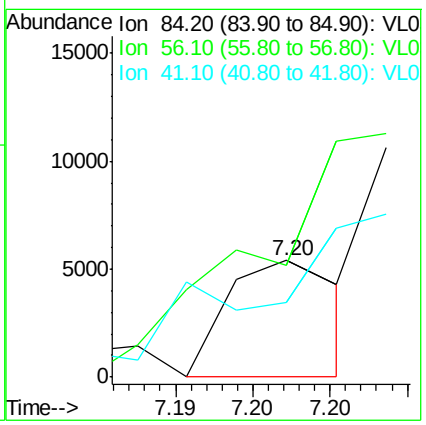


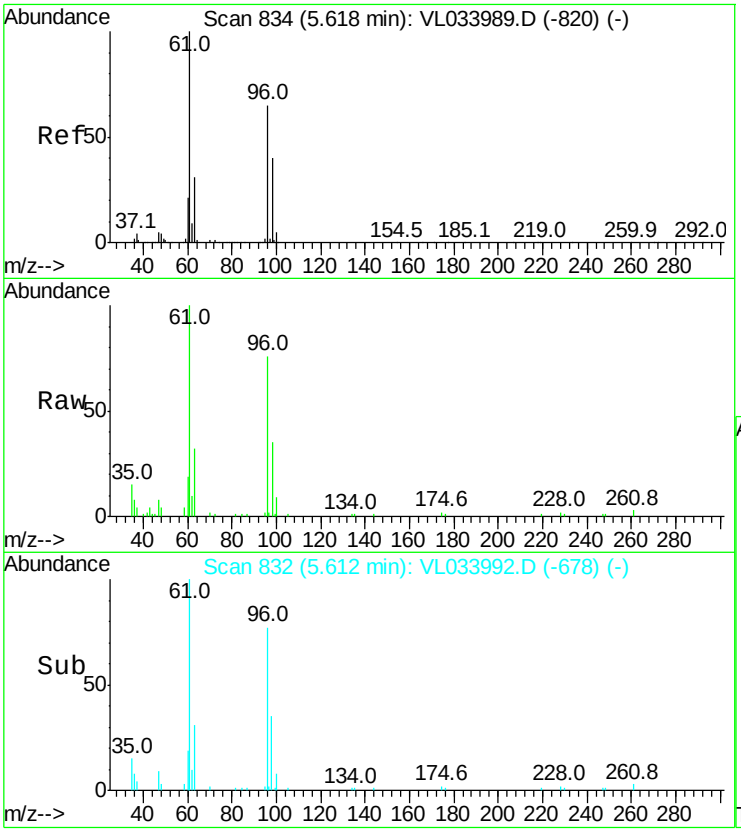


#30
Cyclohexane
Concen: 0.035 ppbv
RT: 7.20 min Scan# 1325
Delta R.T. -0.02 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 84 Resp: 2745

Ion	Ratio	Lower	Upper
84	100		
56	0.0	103.7	155.5#
41	0.0	62.6	94.0#



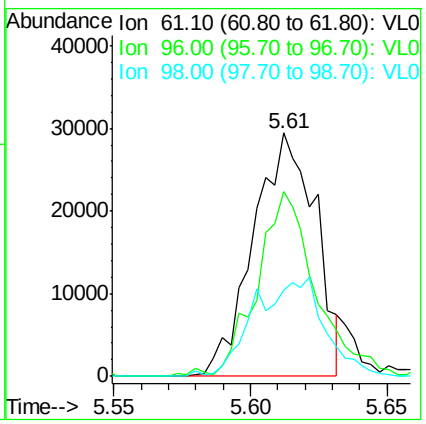


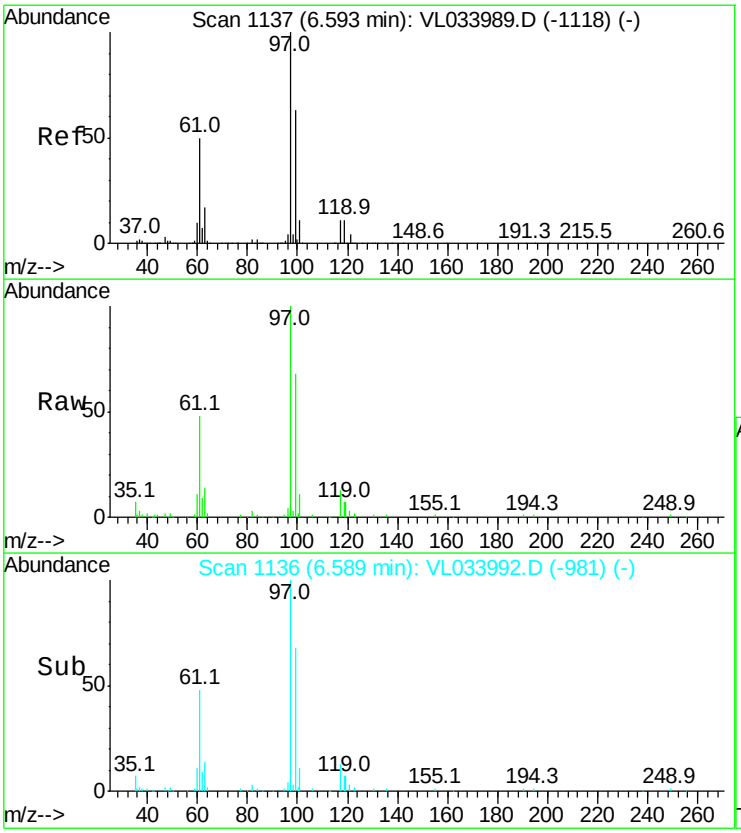
#31
cis-1,2-Dichloroethene
Concen: 0.480 ppbv
RT: 5.61 min Scan# 832
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 61 Resp: 46562

Ion	Ratio	Lower	Upper
61	100		
96	75.5	51.8	77.6
98	35.5	32.1	48.1

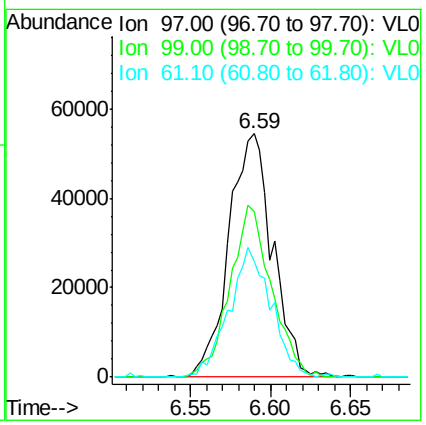


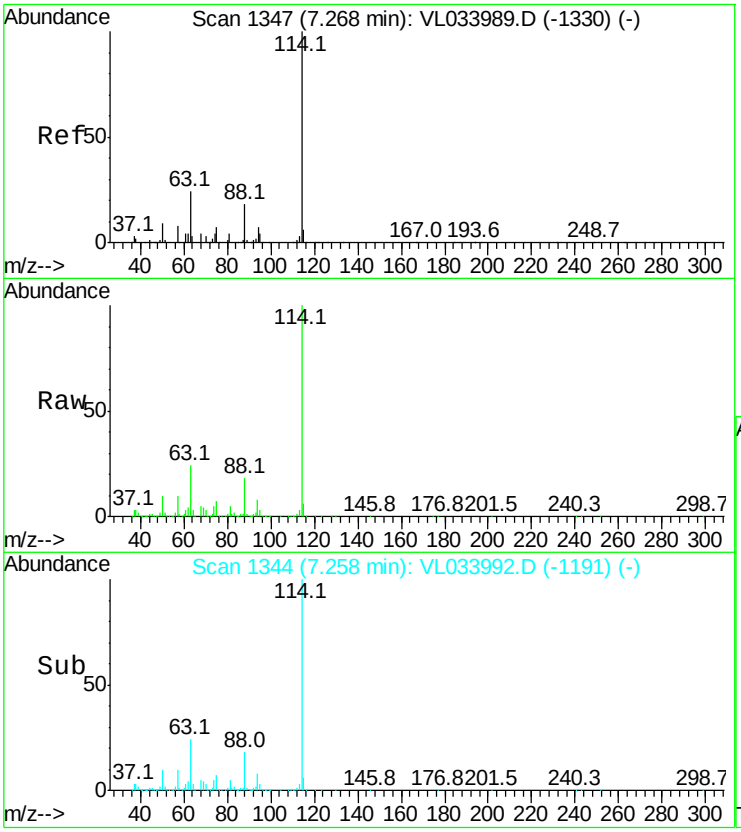


#32
1,1,1-Trichloroethane
Concen: 0.556 ppbv
RT: 6.59 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 97 Resp: 101699

Ion	Ratio	Lower	Upper
97	100		
99	66.6	51.9	77.9
61	51.6	39.8	59.8



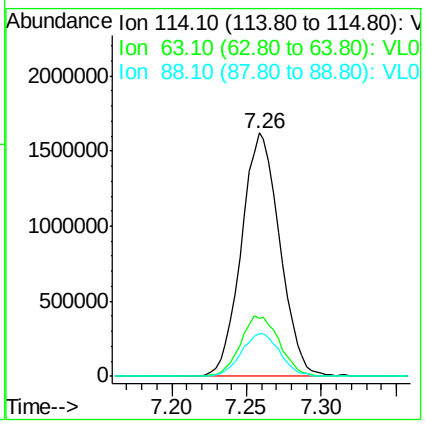


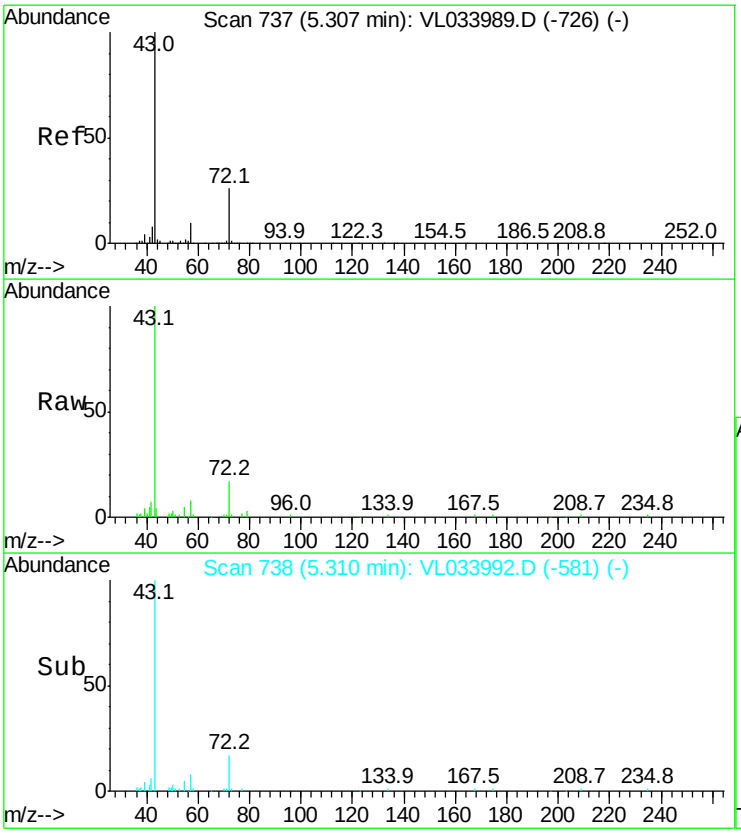
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.26 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:114 Resp: 2894061

Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.2	30.2
88	17.8	14.1	21.1

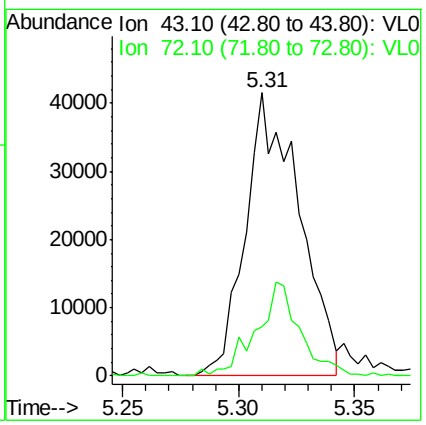


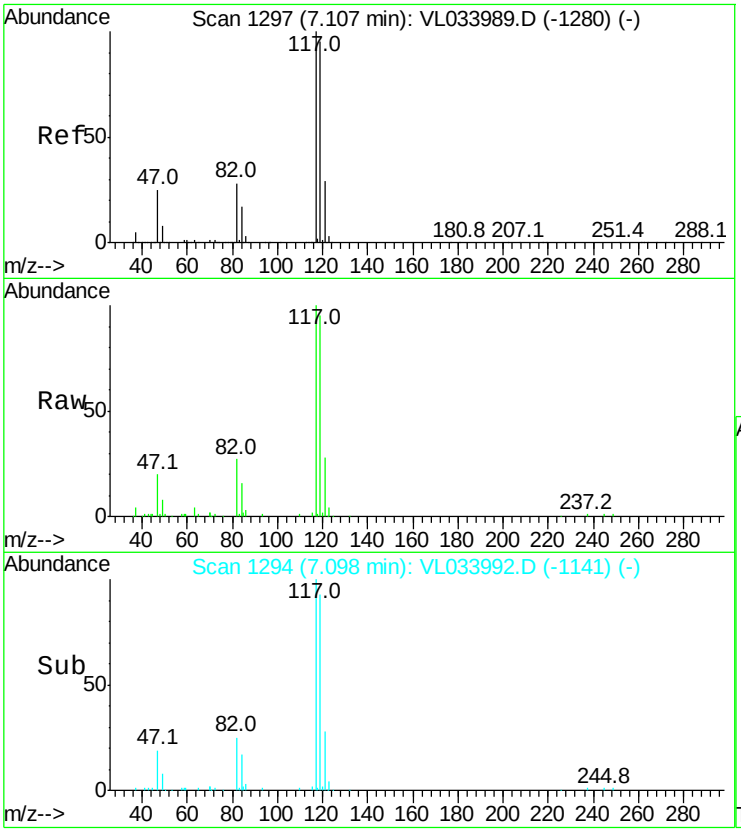


#34
2-Butanone
Concen: 0.409 ppbv
RT: 5.31 min Scan# 738
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 43 Resp: 66803

Ion	Ratio	Lower	Upper
43	100		
72	27.0	19.9	29.9



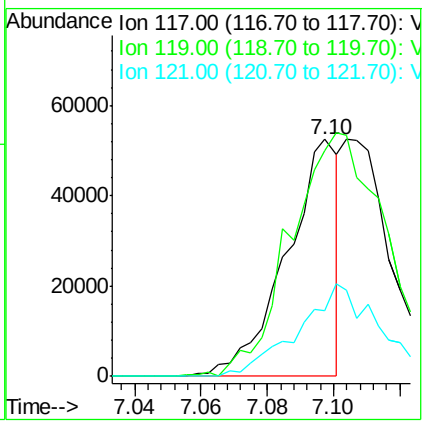


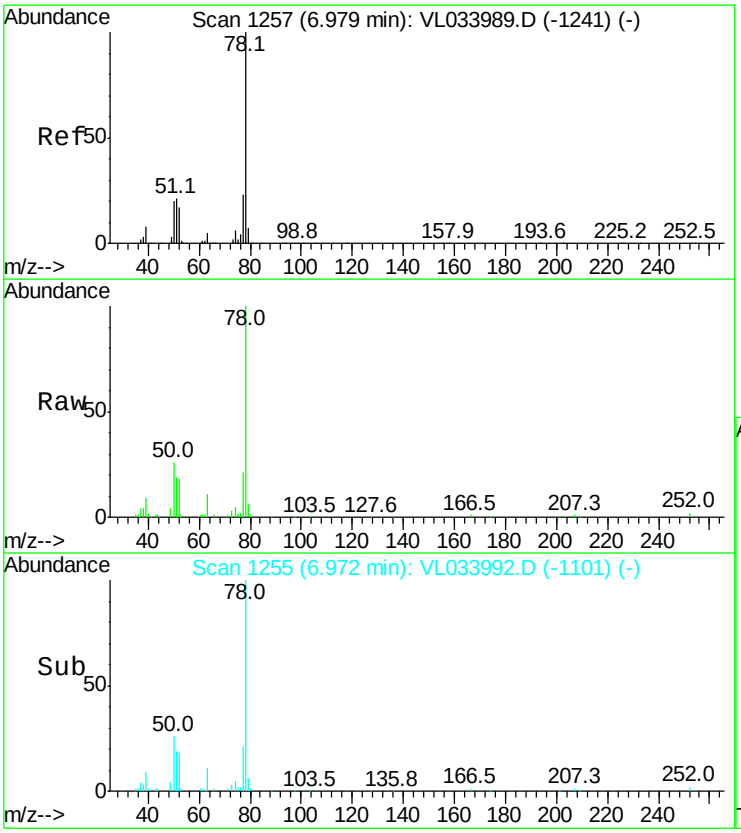
#35
Carbon Tetrachloride
Concen: 0.253 ppbv
RT: 7.10 min Scan# 1294
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:117 Resp: 56600

Ion	Ratio	Lower	Upper
117	100		
119	94.8	75.8	113.6
121	27.5	23.4	35.2

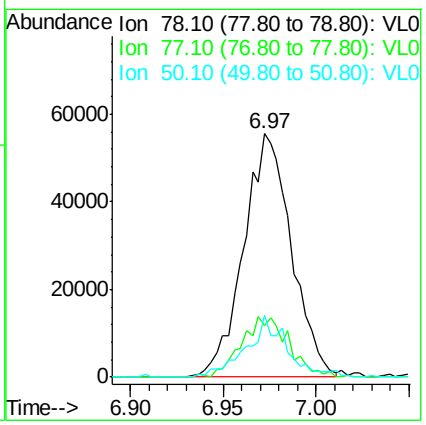


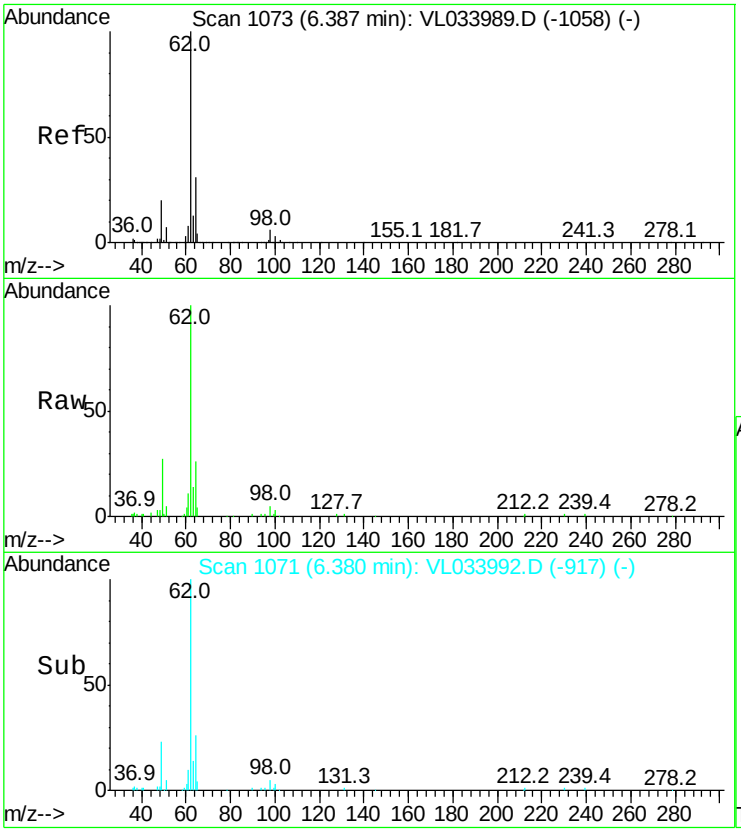


#36
Benzene
Concen: 0.452 ppbv
RT: 6.97 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 78 Resp: 99893

Ion	Ratio	Lower	Upper
78	100		
77	21.0	18.7	28.1
50	25.7	16.2	24.2#



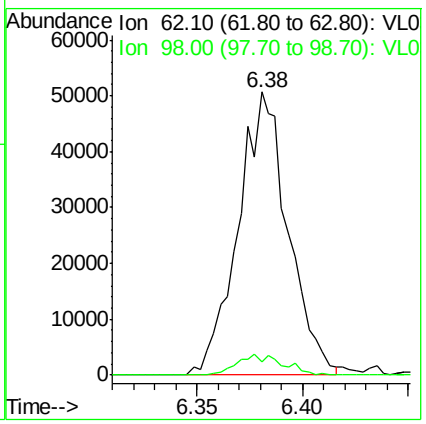


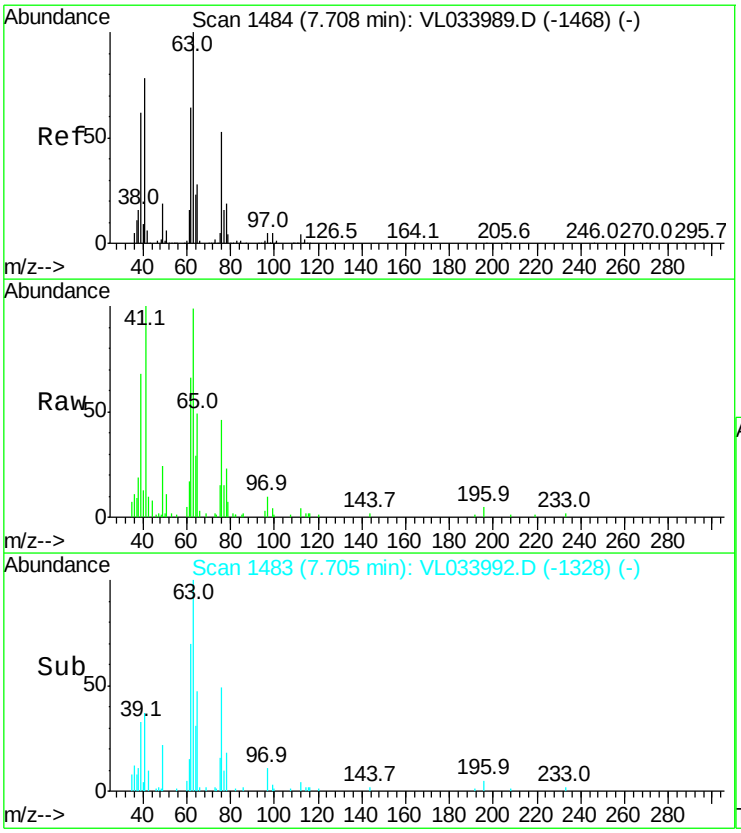
#37
1,2-Dichloroethane
Concen: 0.511 ppbv
RT: 6.38 min Scan# 1071
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 62 Resp: 83500

Ion	Ratio	Lower	Upper
62	100		
98	6.7	4.4	6.6#

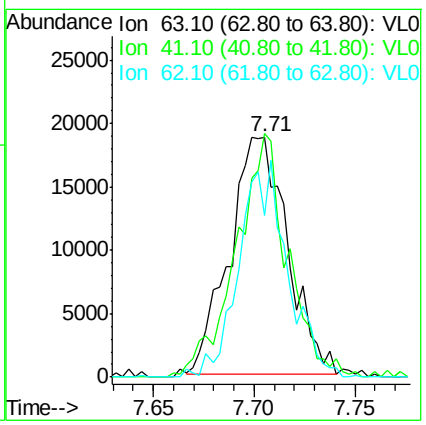


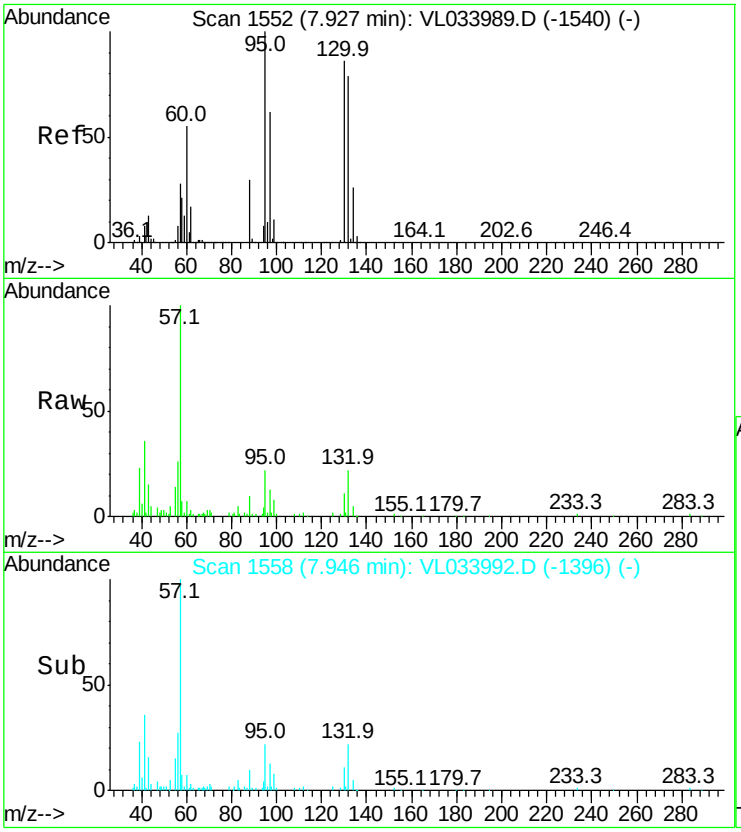


#39
1,2-Dichloropropane
Concen: 0.443 ppbv
RT: 7.71 min Scan# 1483
Delta R.T. -0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 63 Resp: 37757

Ion	Ratio	Lower	Upper
63	100		
41	97.4	62.3	93.5#
62	64.0	51.4	77.2



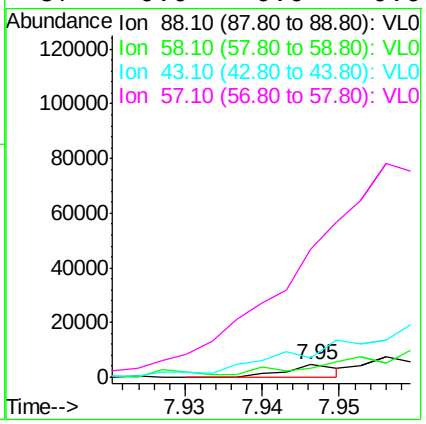


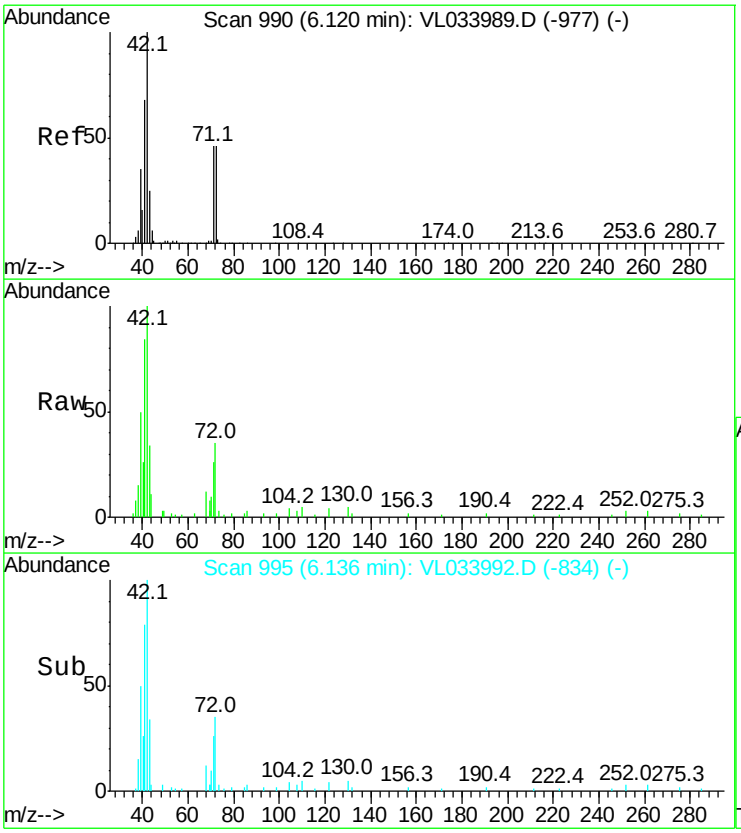
#40
1,4-Dioxane
Concen: 0.065 ppbv
RT: 7.95 min Scan# 1558
Delta R.T. 0.02 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 88 Resp: 2254

Ion	Ratio	Lower	Upper
88	100		
58	0.0	99.1	148.7#
43	0.0	0.0	0.0
57	0.0	0.0	0.0

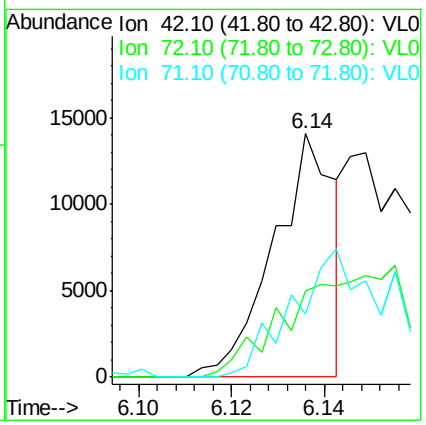


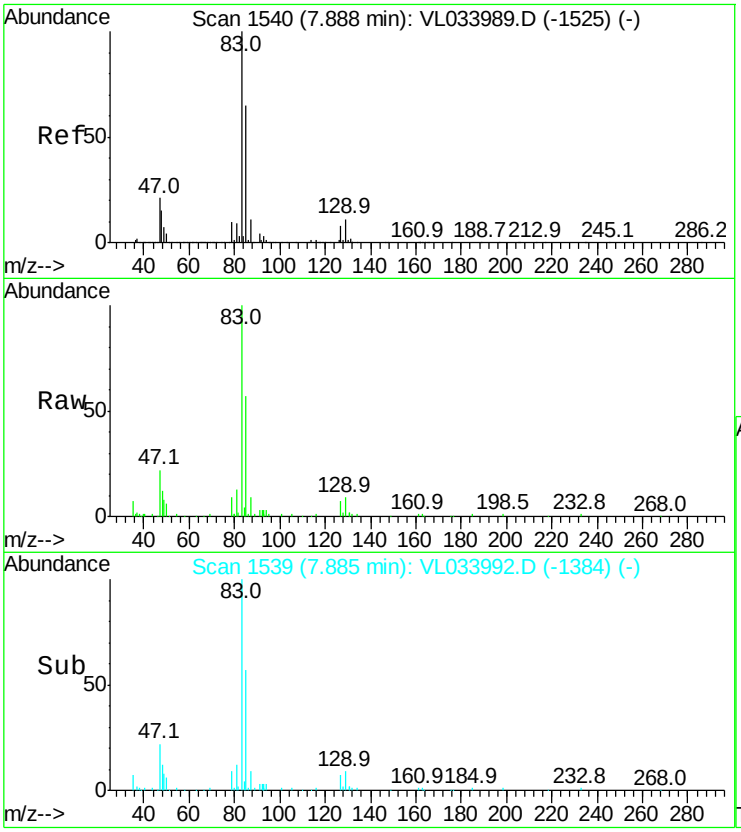


#41
Tetrahydrofuran
Concen: 0.154 ppbv
RT: 6.14 min Scan# 995
Delta R.T. 0.02 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 42 Resp: 12793

Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.3	55.9#
71	0.0	36.2	54.2#



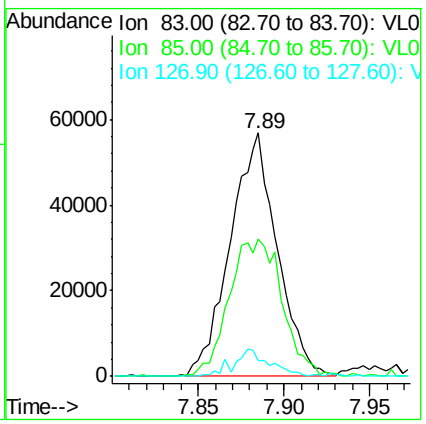


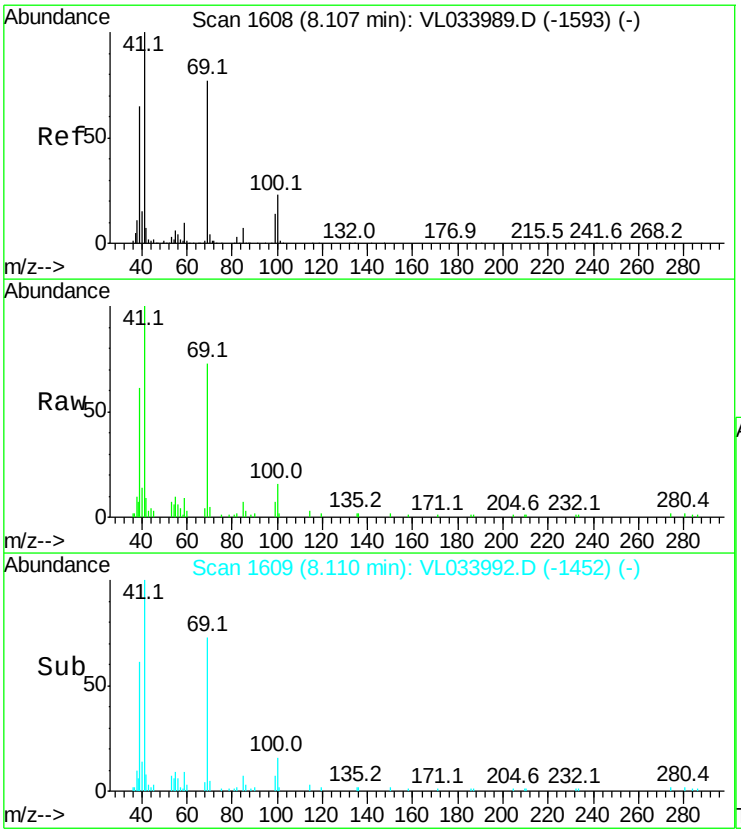
#42
Bromodichloromethane
Concen: 0.490 ppbv
RT: 7.89 min Scan# 1539
Delta R.T. -0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 83 Resp: 107154

Ion	Ratio	Lower	Upper
83	100		
85	56.0	51.8	77.8
127	6.6	6.5	9.7

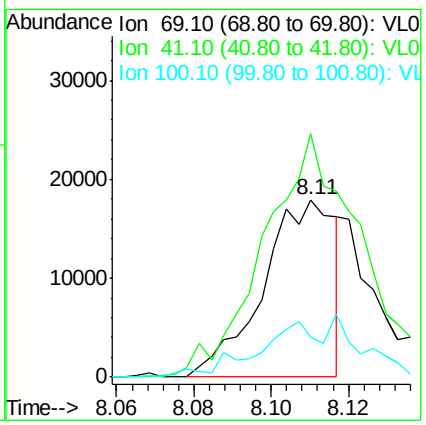


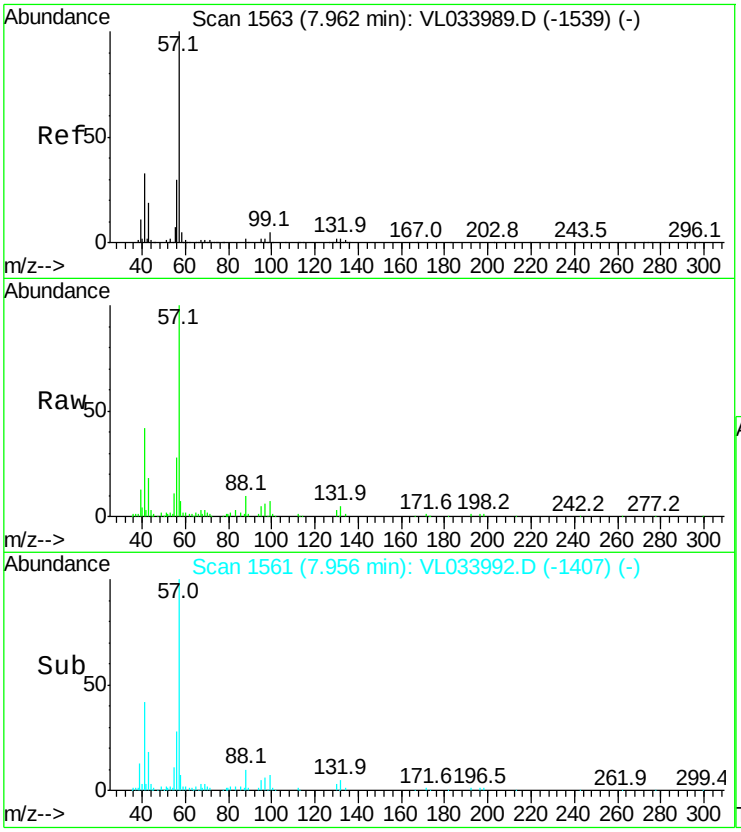


#43
Methyl Methacrylate
Concen: 0.281 ppbv
RT: 8.11 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 69 Resp: 23214

Ion	Ratio	Lower	Upper
69	100		
41	187.8	109.1	163.7#
100	44.0	25.3	37.9#



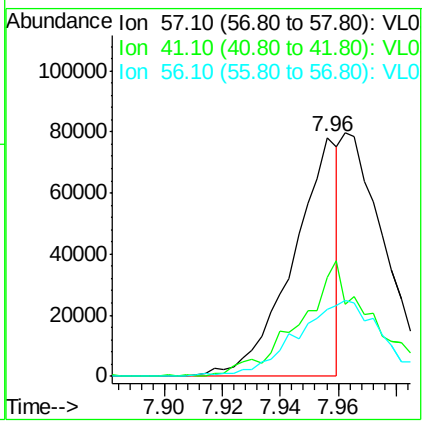


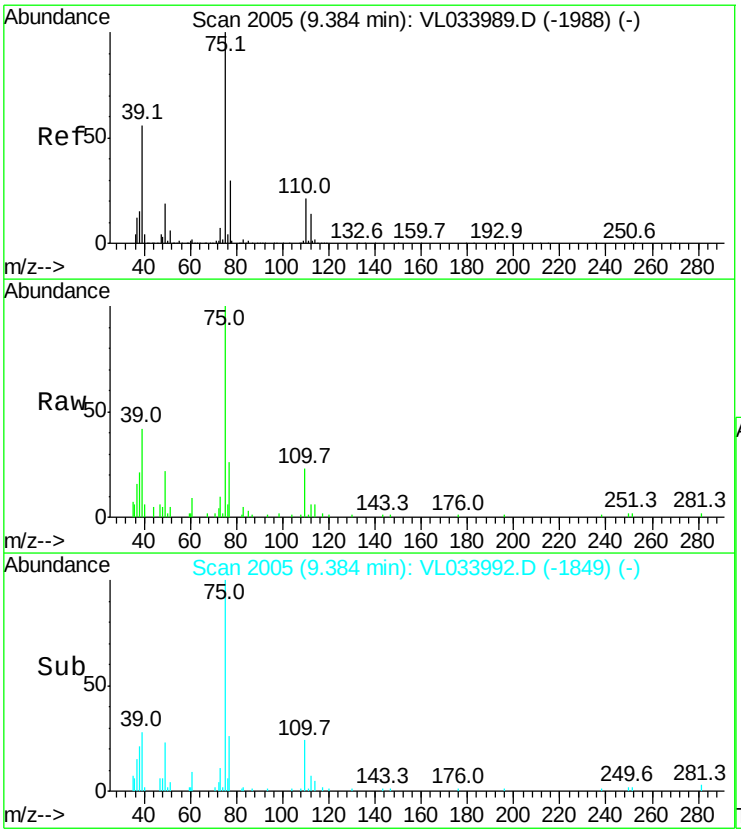
#44
2,2,4-Trimethylpentane
Concen: 0.216 ppbv
RT: 7.96 min Scan# 1561
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 57 Resp: 84727

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.1	39.1#
56	0.0	24.4	36.6#

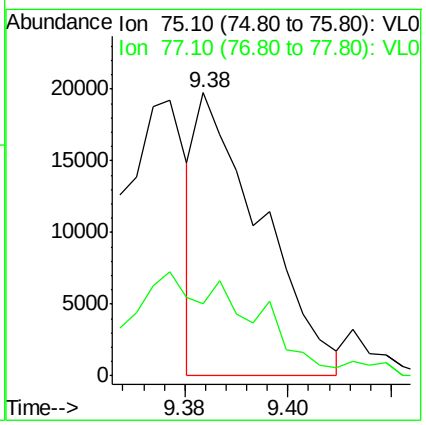


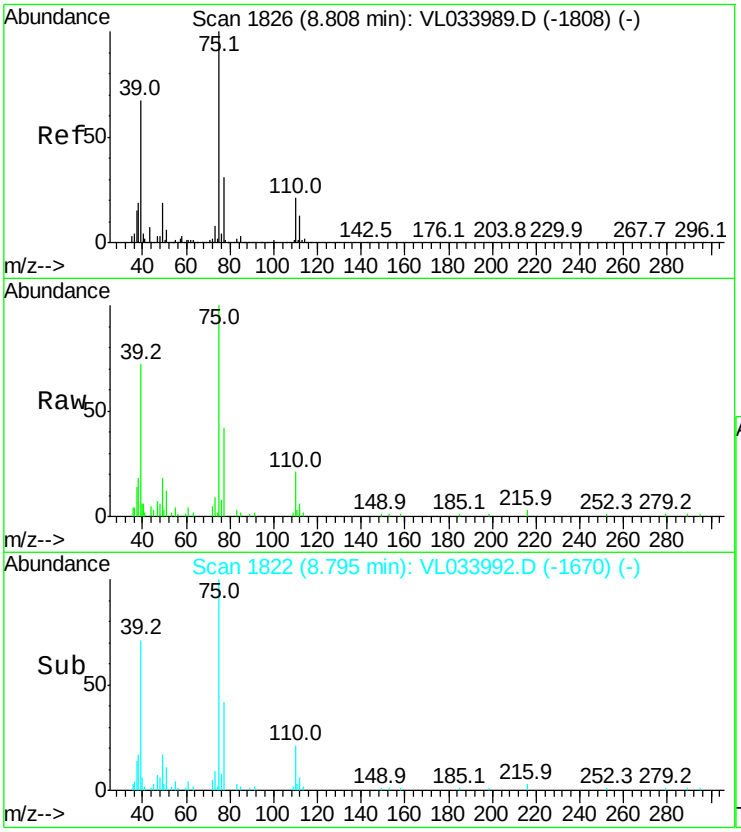


#45
t-1,3-Dichloropropene
Concen: 0.158 ppbv
RT: 9.38 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 75 Resp: 17151

Ion	Ratio	Lower	Upper
75	100		
77	25.6	24.3	36.5



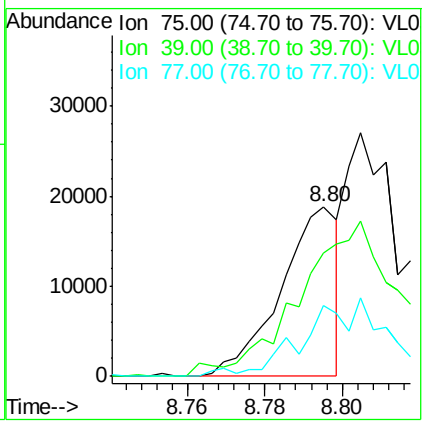


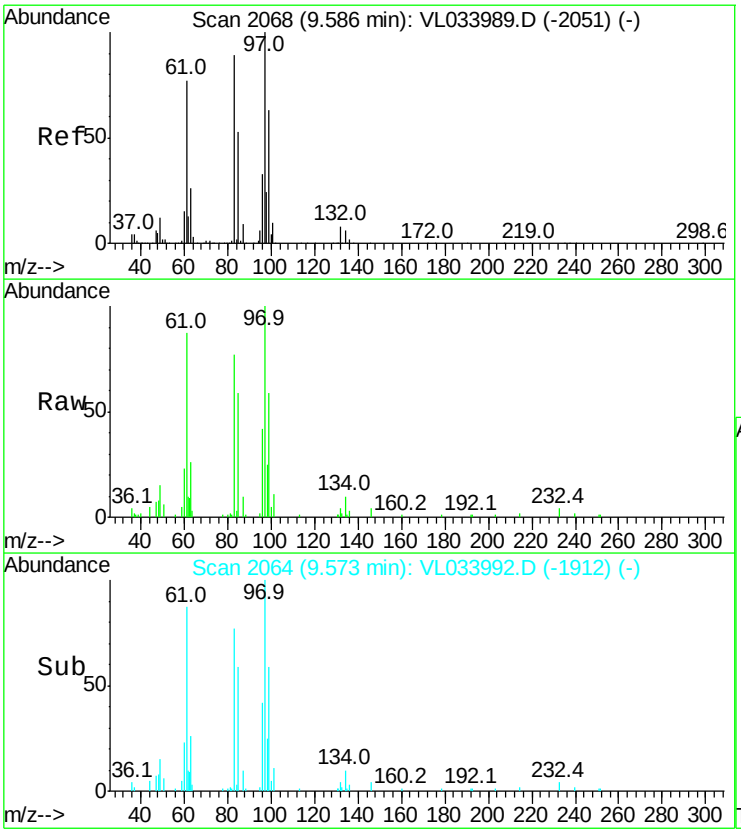
#46
cis-1,3-Dichloropropene
Concen: 0.156 ppbv
RT: 8.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 75 Resp: 19380

Ion	Ratio	Lower	Upper
75	100		
39	72.4	53.8	80.6
77	41.5	24.5	36.7#

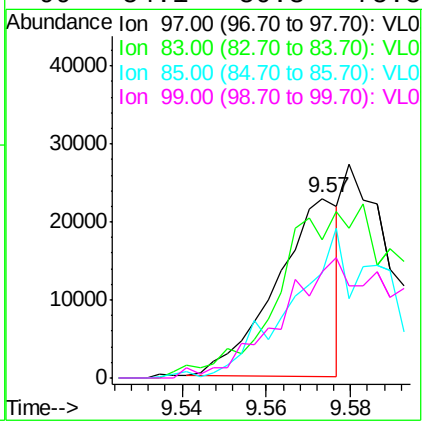


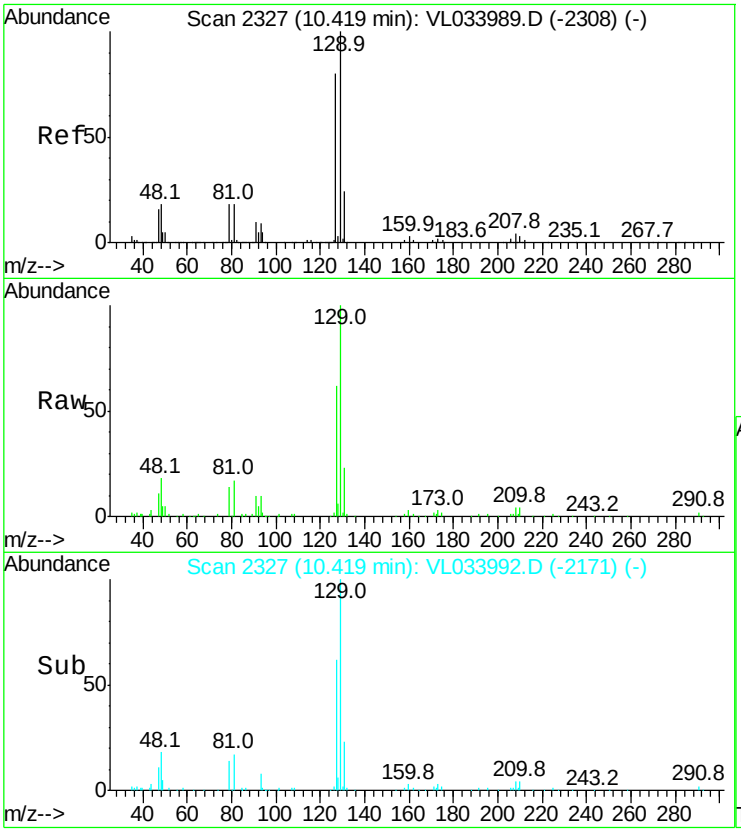


#47
1,1,2-Trichloroethane
Concen: 0.232 ppbv
RT: 9.57 min Scan# 2064
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 97 Resp: 23550

Ion	Ratio	Lower	Upper
97	100		
83	70.7	71.1	106.7#
85	55.9	42.6	64.0
99	54.1	50.3	75.5



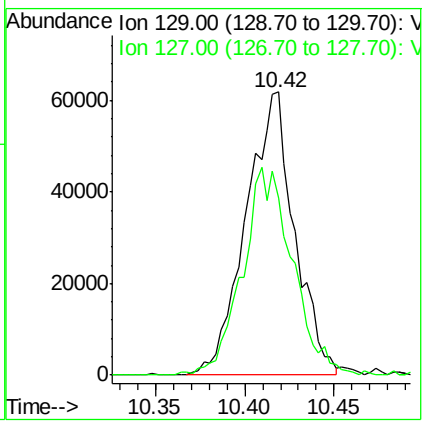


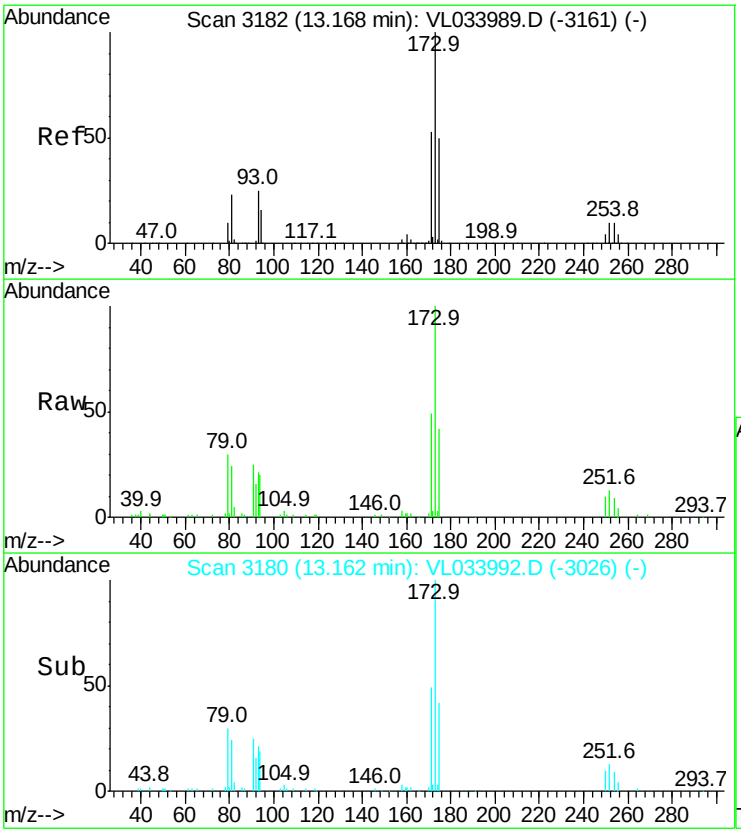
#48
Dibromochloromethane
Concen: 0.642 ppbv
RT: 10.42 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:129 Resp: 117419

Ion	Ratio	Lower	Upper
129	100		
127	75.9	39.1	117.3

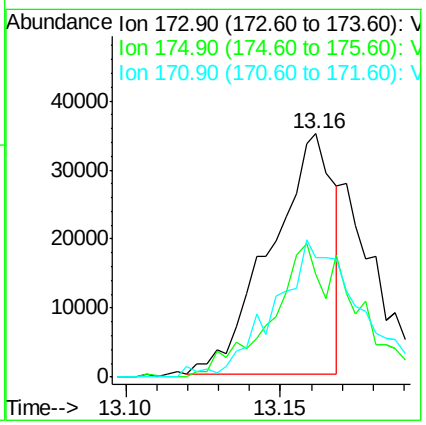


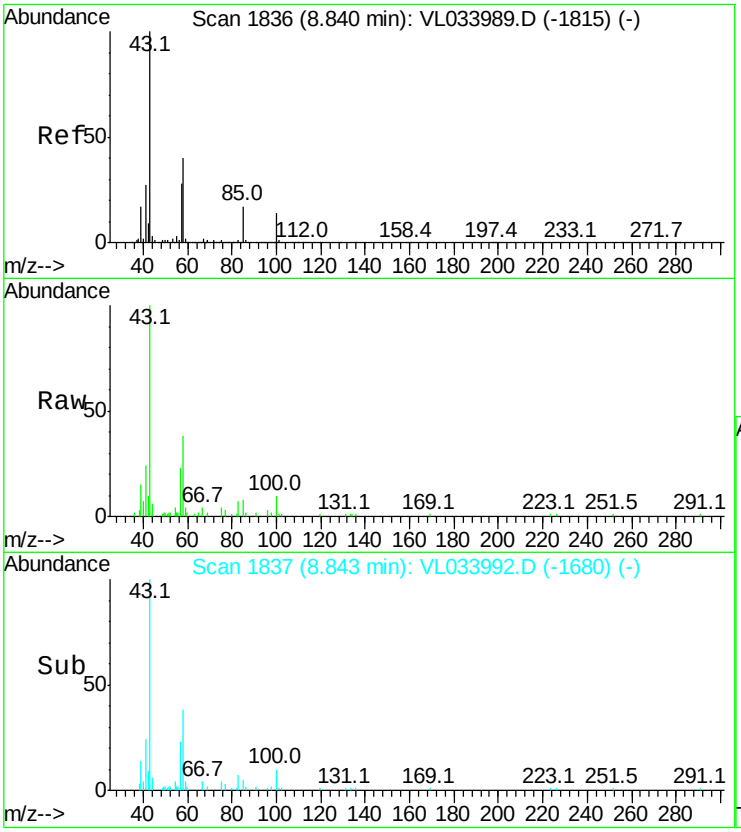


#49
Bromoform
Concen: 0.306 ppbv
RT: 13.16 min Scan# 3180
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion:173 Resp: 49333

Ion	Ratio	Lower	Upper
173	100		
175	74.5	39.3	58.9#
171	78.2	41.4	62.0#



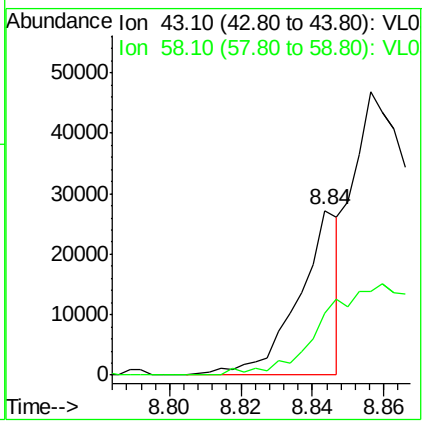


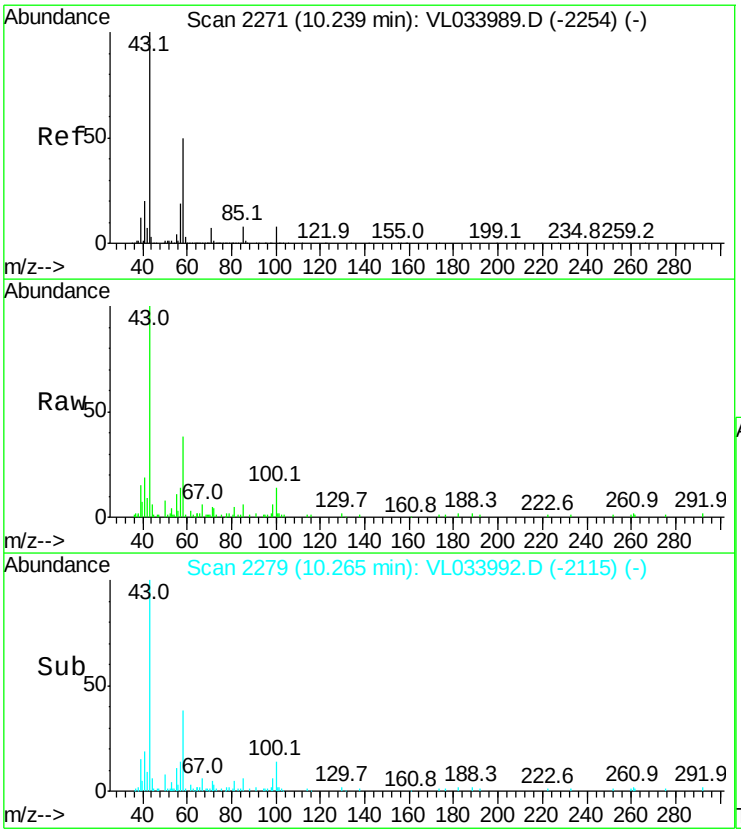
#50
4-Methyl-2-Pentanone
Concen: 0.089 ppbv
RT: 8.84 min Scan# 1837
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 43 Resp: 21642

Ion	Ratio	Lower	Upper
43	100		
58	0.0	30.3	45.5#

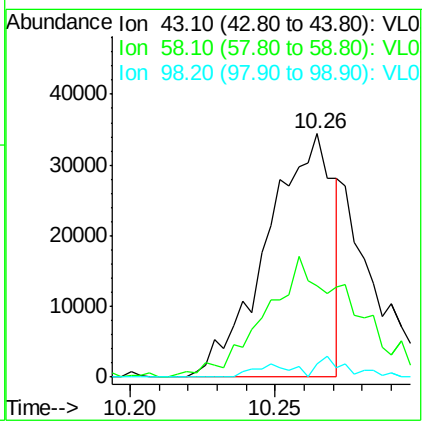


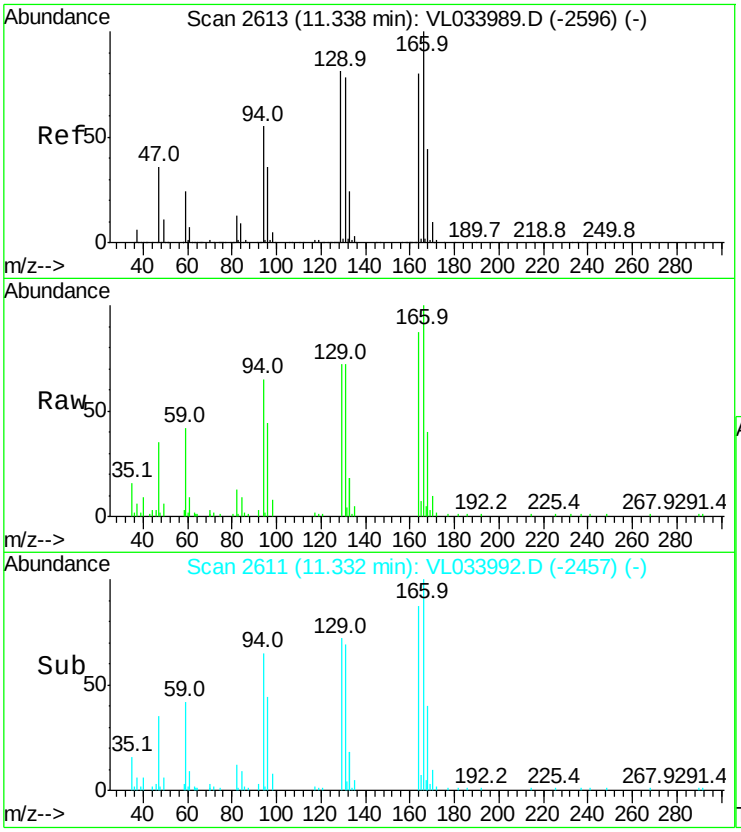


#51
2-Hexanone
Concen: 0.288 ppbv
RT: 10.26 min Scan# 2279
Delta R.T. 0.03 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 43 Resp: 54771

Ion	Ratio	Lower	Upper
43	100		
58	72.3	41.0	61.4#
98	7.1	0.2	0.2#



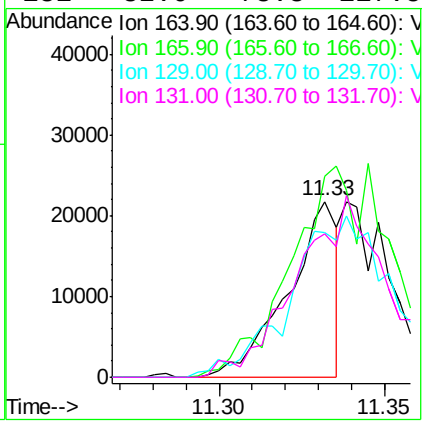


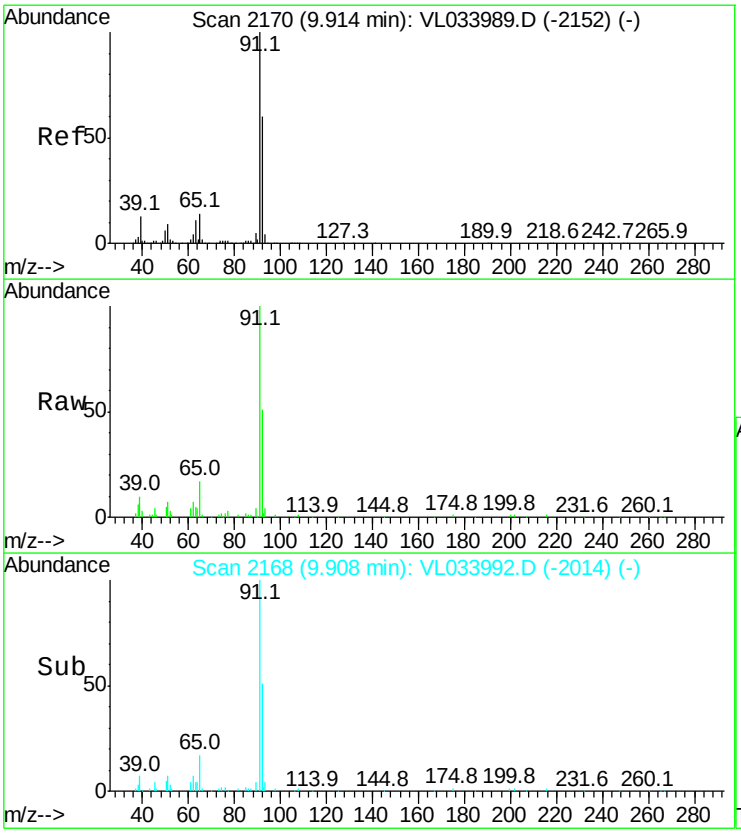
#52
Tetrachloroethene
Concen: 0.289 ppbv
RT: 11.33 min Scan# 2611
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:164 Resp: 22470

Ion	Ratio	Lower	Upper
164	100		
166	114.5	100.2	150.2
129	82.1	81.0	121.6
131	82.0	78.3	117.5

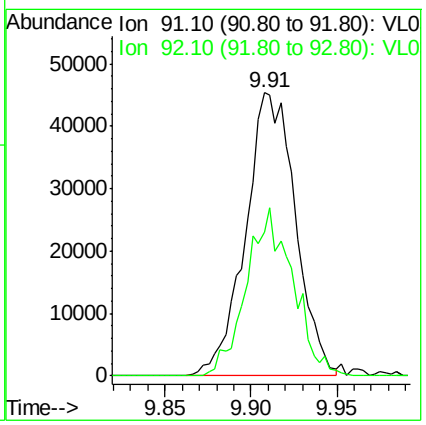


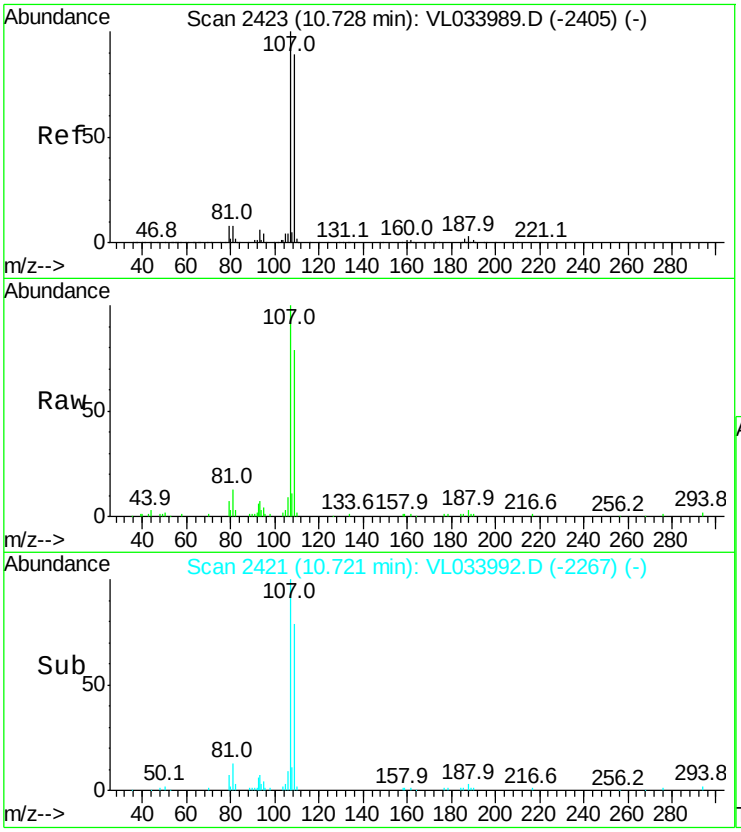


#53
Toluene
Concen: 0.375 ppbv
RT: 9.91 min Scan# 2168
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 91 Resp: 91753

Ion	Ratio	Lower	Upper
91	100		
92	55.1	47.7	71.5



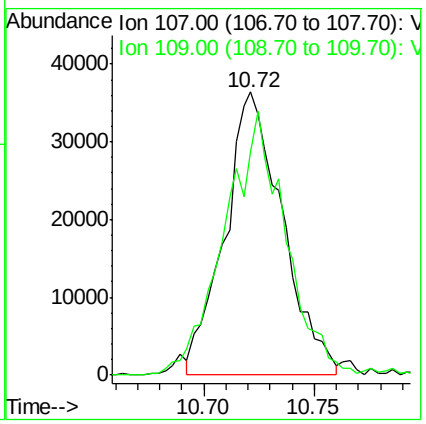


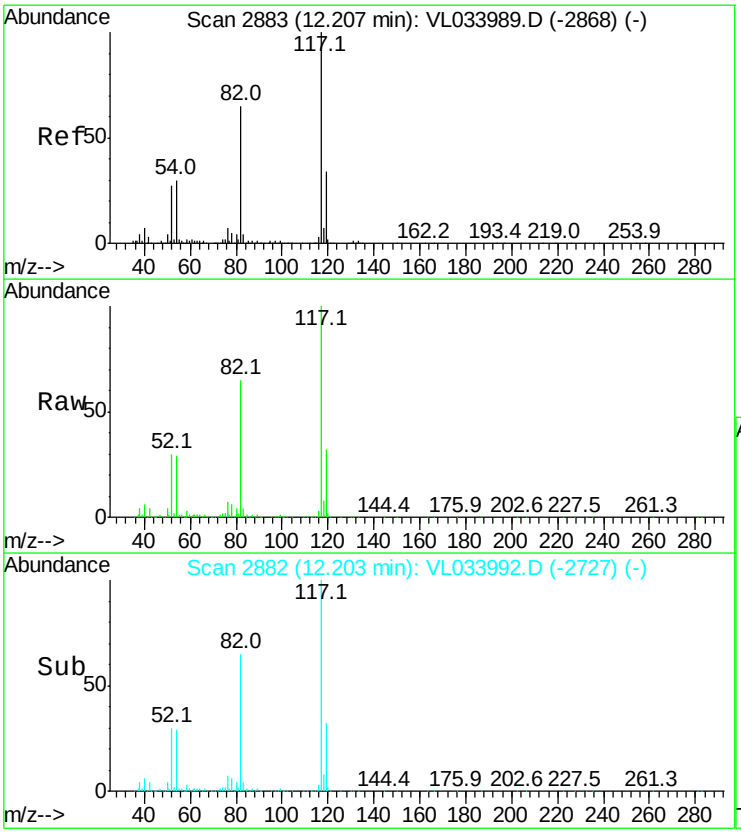
#54
1,2-Dibromoethane
Concen: 0.432 ppbv
RT: 10.72 min Scan# 2421
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:107 Resp: 66286

Ion	Ratio	Lower	Upper
107	100		
109	76.5	71.5	107.3

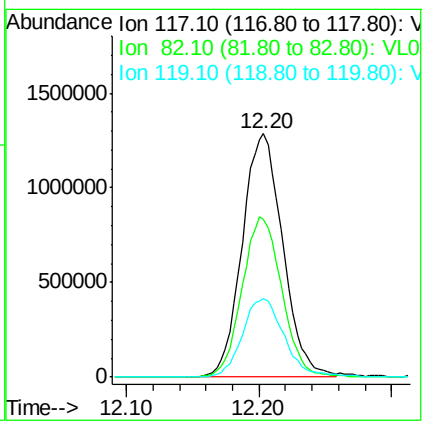


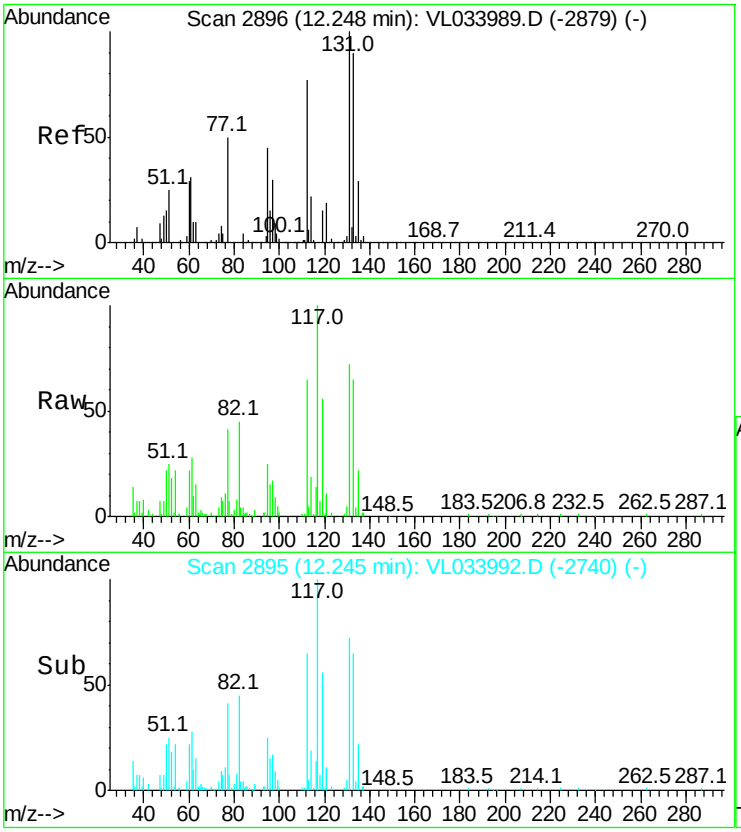


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.20 min Scan# 2882
Delta R.T. -0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion:117 Resp: 2742008

Ion	Ratio	Lower	Upper
117	100		
82	64.6	50.8	76.2
119	33.4	24.0	36.0



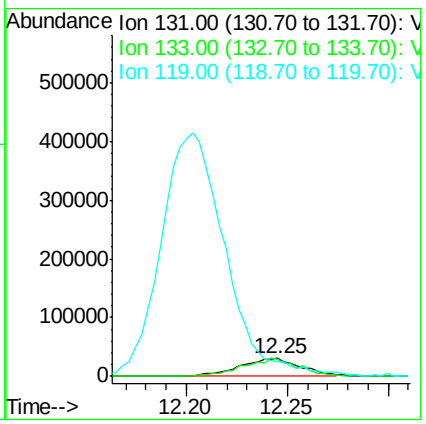


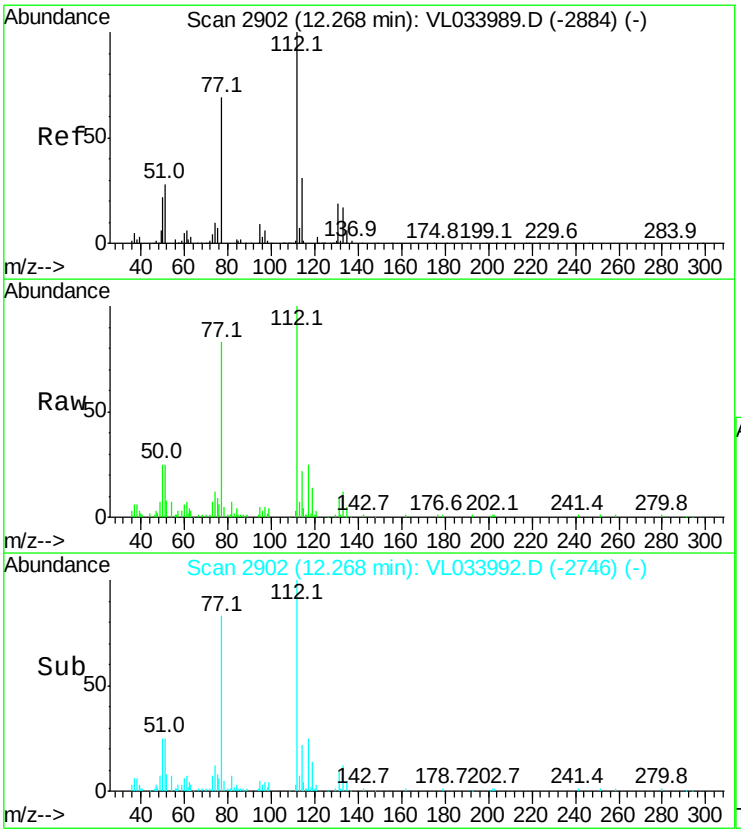
#56
1,1,1,2-Tetrachloroethane
Concen: 0.521 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:131 Resp: 62389

Ion	Ratio	Lower	Upper
131	100		
133	94.8	76.2	114.2
119	1471.3	43.1	64.7#

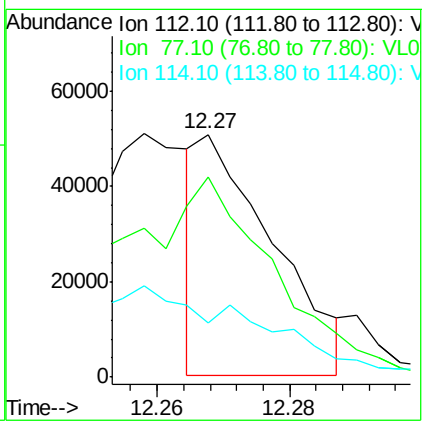


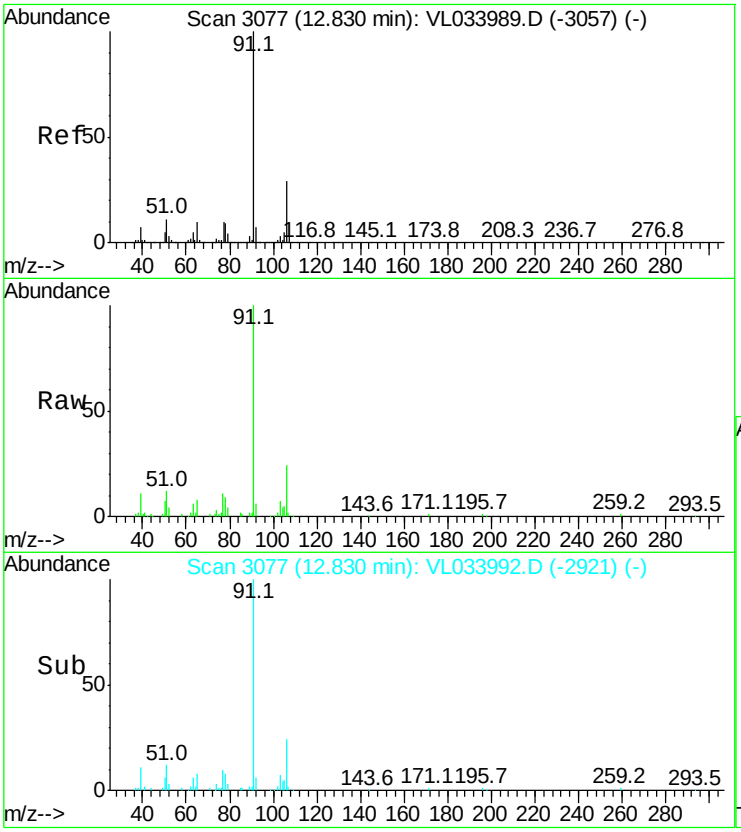


#57
Chlorobenzene
Concen: 0.193 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion:112 Resp: 39534

Ion	Ratio	Lower	Upper
112	100		
77	85.7	55.9	83.9#
114	19.0	27.6	33.8#



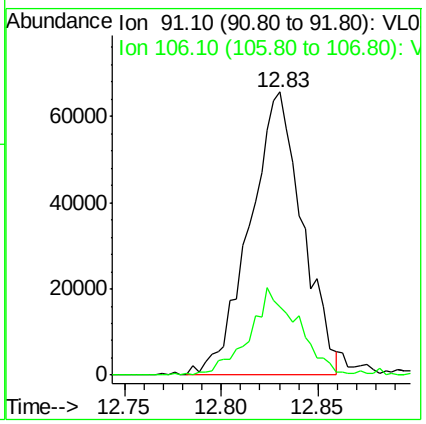


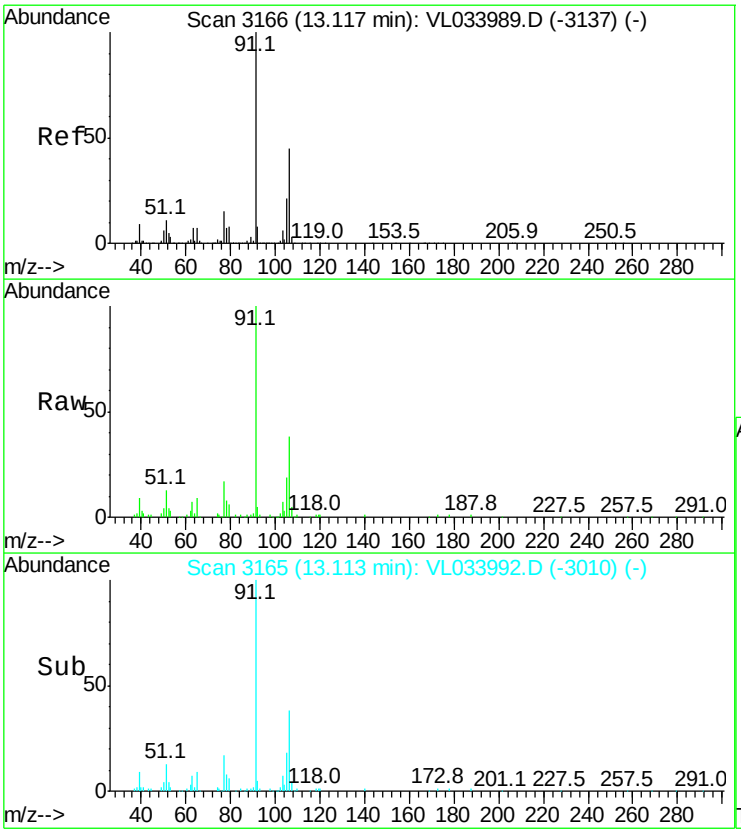
#58
Ethyl Benzene
Concen: 0.402 ppbv
RT: 12.83 min Scan# 3077
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 124140

Ion	Ratio	Lower	Upper
91	100		
106	23.6	23.3	34.9

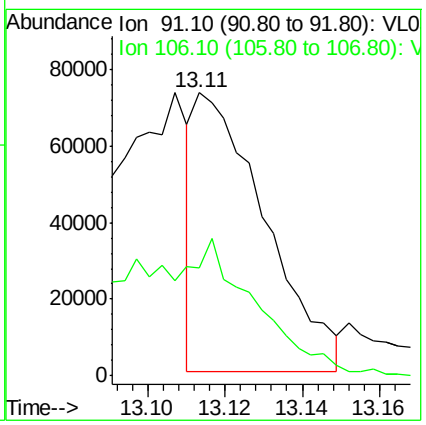


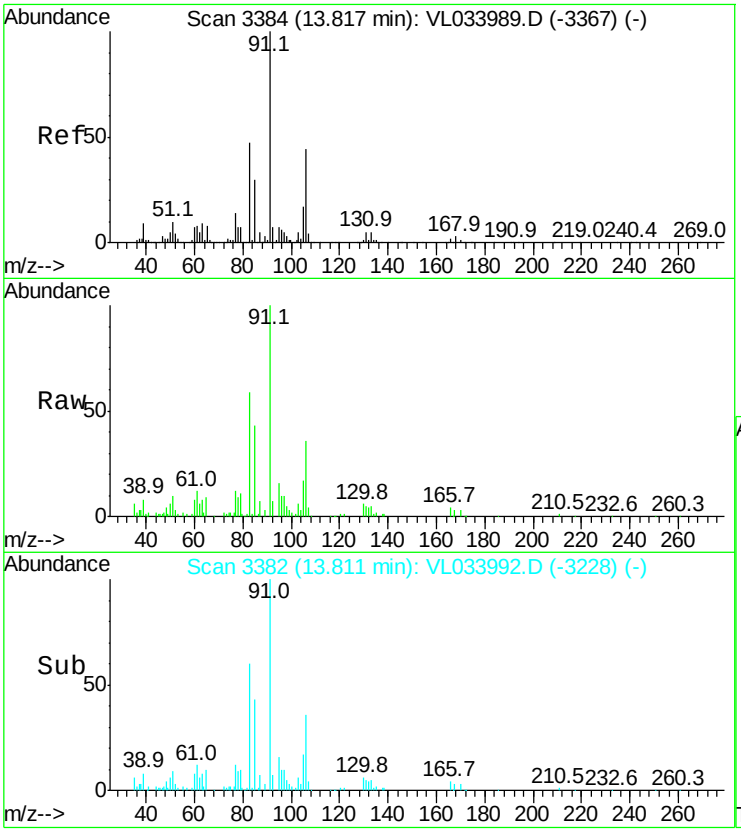


#59
m/p-Xylene
Concen: 0.326 ppbv
RT: 13.11 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 91 Resp: 91544

Ion	Ratio	Lower	Upper
91	100		
106	118.7	35.7	53.5#



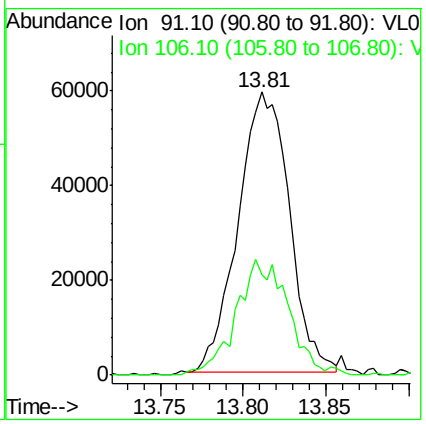


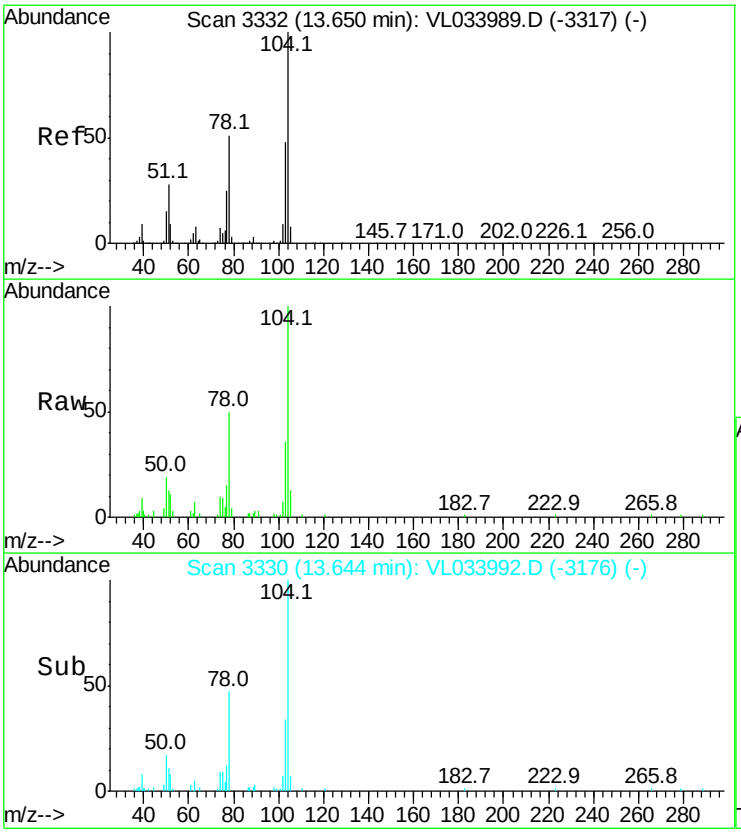
#60
o-Xylene
Concen: 0.438 ppbv
RT: 13.81 min Scan# 3382
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 127079

Ion	Ratio	Lower	Upper
91	100		
106	42.0	21.9	65.7

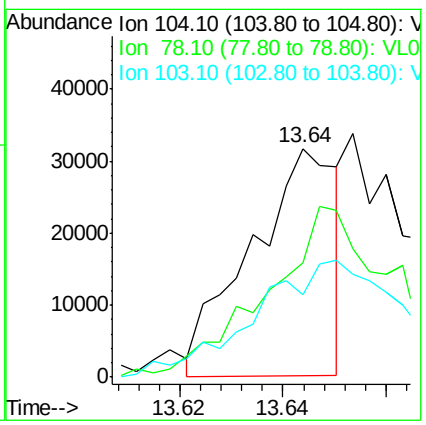


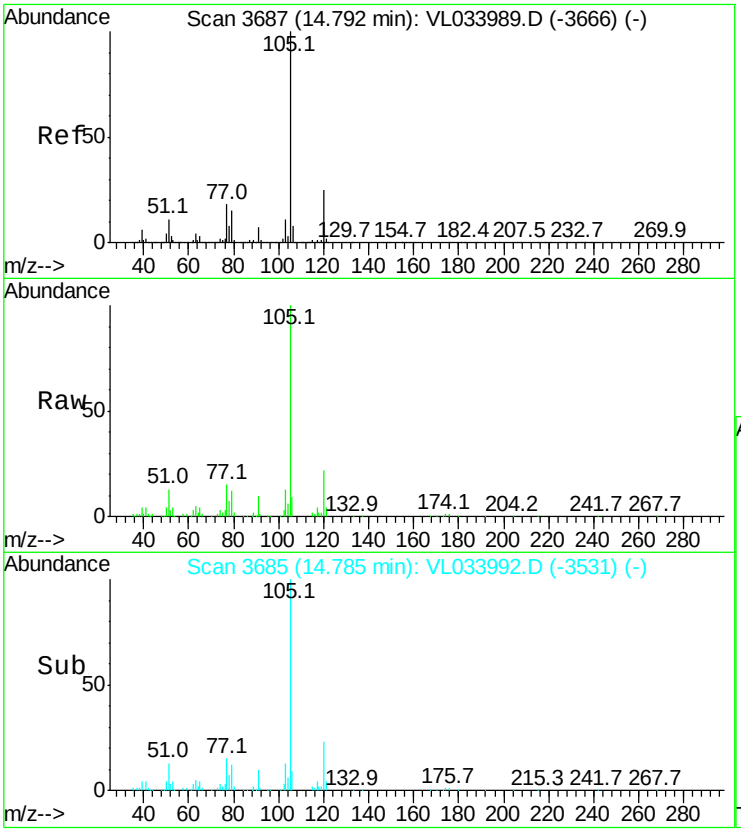


#61
Styrene
Concen: 0.193 ppbv
RT: 13.64 min Scan# 3330
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion:104 Resp: 36316

Ion	Ratio	Lower	Upper
104	100		
78	0.0	43.9	65.9#
103	0.0	38.1	57.1#



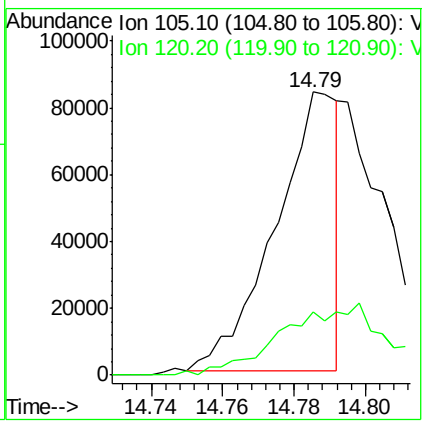


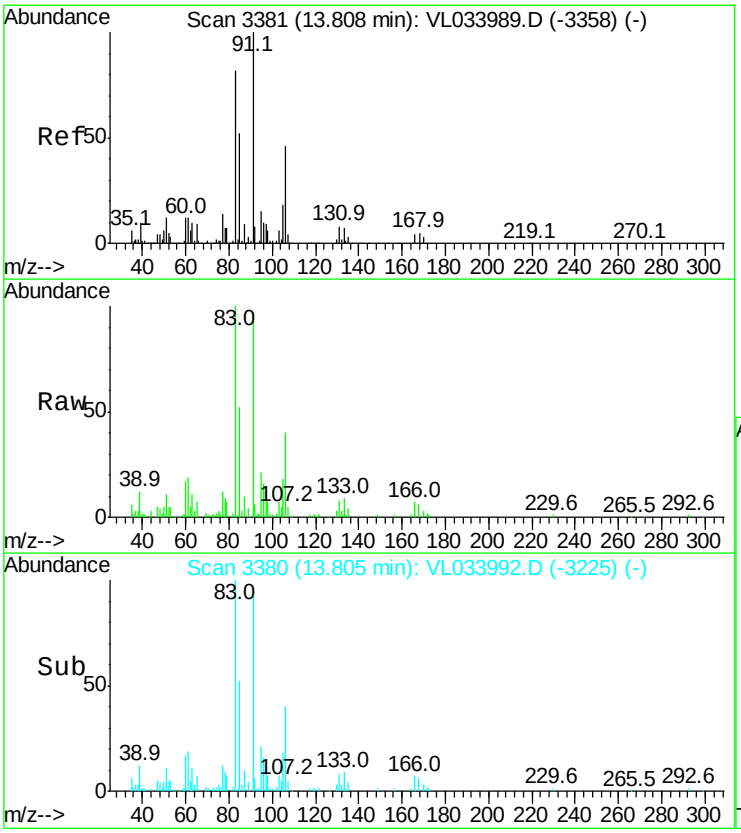
#62
Isopropylbenzene
Concen: 0.260 ppbv
RT: 14.79 min Scan# 3685
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 101817

Ion	Ratio	Lower	Upper
105	100		
120	43.0	20.4	30.6#

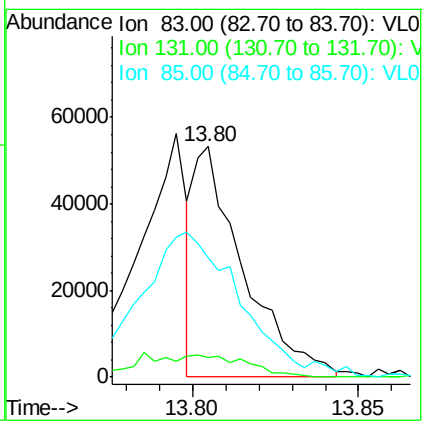


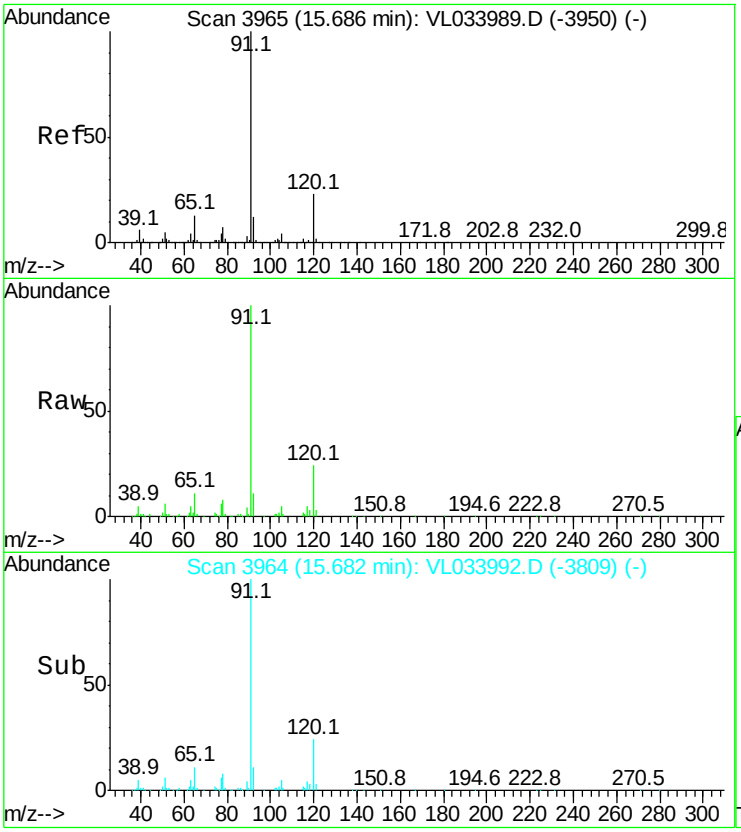


#63
1,1,2,2-Tetrachloroethane
Concen: 0.251 ppbv
RT: 13.80 min Scan# 3380
Delta R.T. -0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 83 Resp: 54904

Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	14.9#
85	0.0	32.8	98.3#



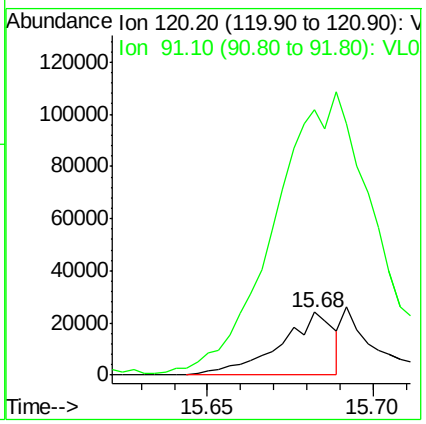


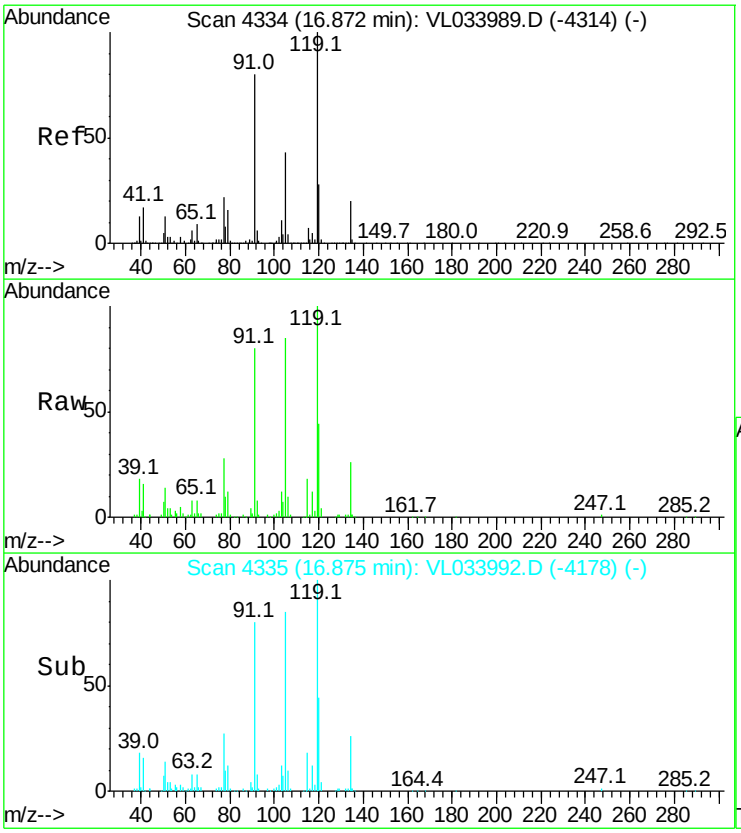
#64
n-propylbenzene
Concen: 0.272 ppbv
RT: 15.68 min Scan# 3964
Delta R.T. -0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:120 Resp: 27234

Ion	Ratio	Lower	Upper
120	100		
91	441.6	386.6	579.8

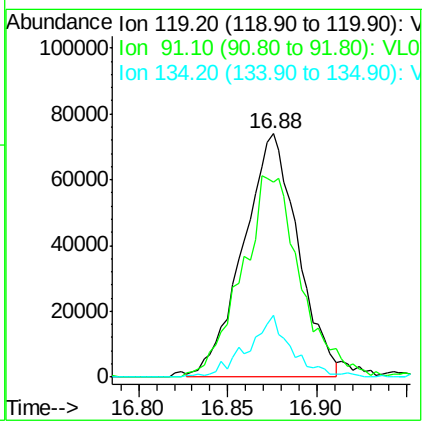


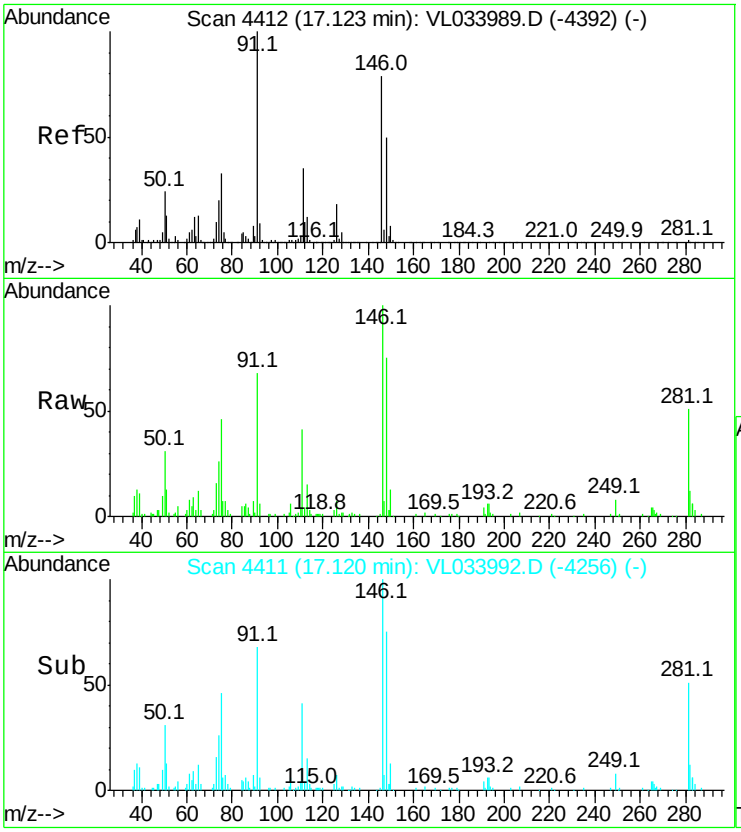


#65
tert-Butylbenzene
Concen: 0.438 ppbv
RT: 16.88 min Scan# 4335
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion:119 Resp: 158635

Ion	Ratio	Lower	Upper
119	100		
91	88.8	67.0	100.6
134	20.5	15.8	23.6



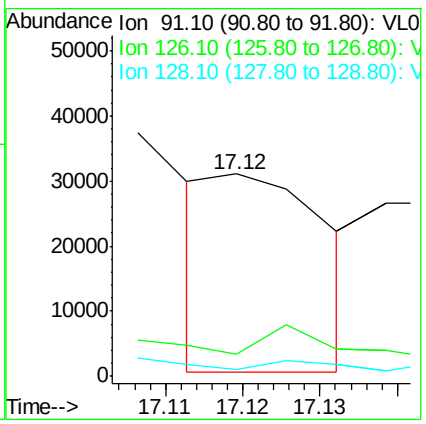


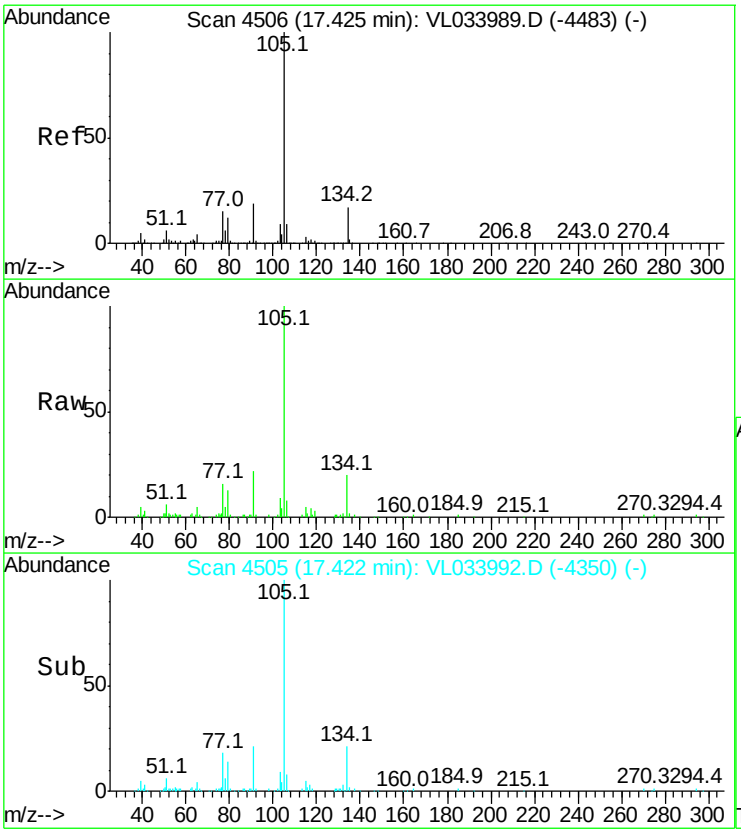
#66
Benzyl Chloride
Concen: 0.085 ppbv
RT: 17.12 min Scan# 4411
Delta R.T. -0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion: 91 Resp: 15520

Ion	Ratio	Lower	Upper
91	100		
126	87.0	13.9	20.9#
128	0.0	4.6	7.0#

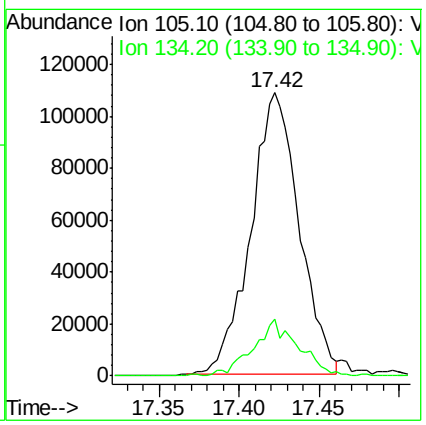


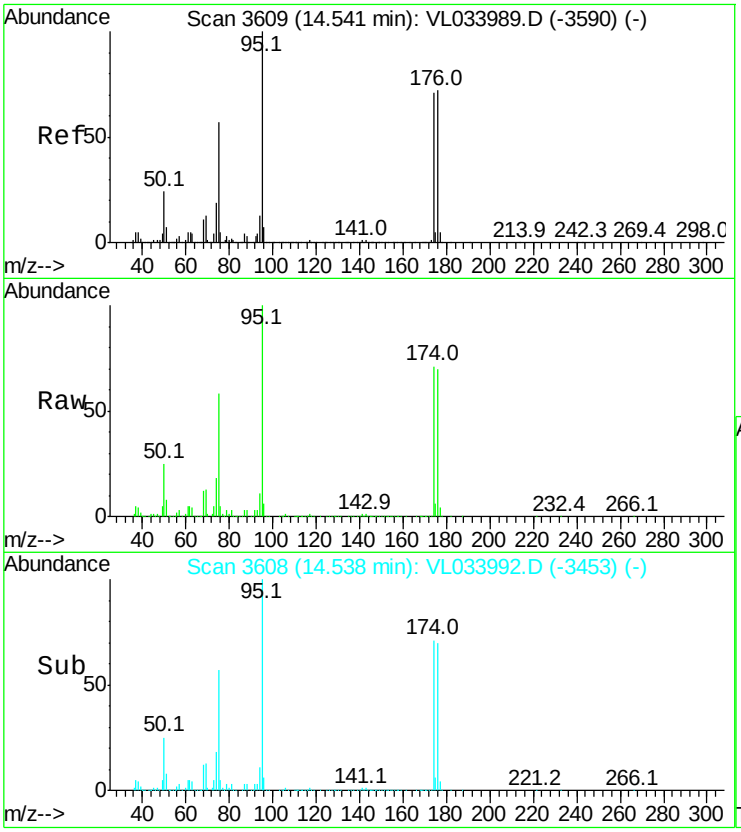


#67
sec-Butylbenzene
Concen: 0.445 ppbv
RT: 17.42 min Scan# 4505
Delta R.T. -0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion:105 Resp: 226159

Ion	Ratio	Lower	Upper
105	100		
134	18.9	14.7	22.1



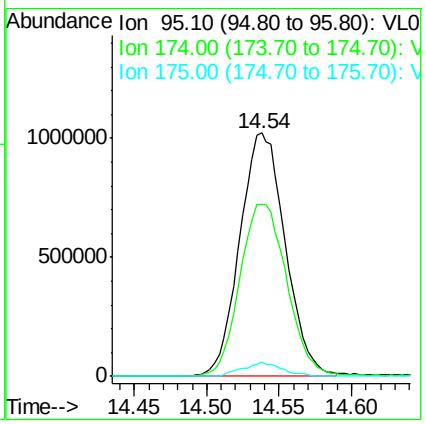


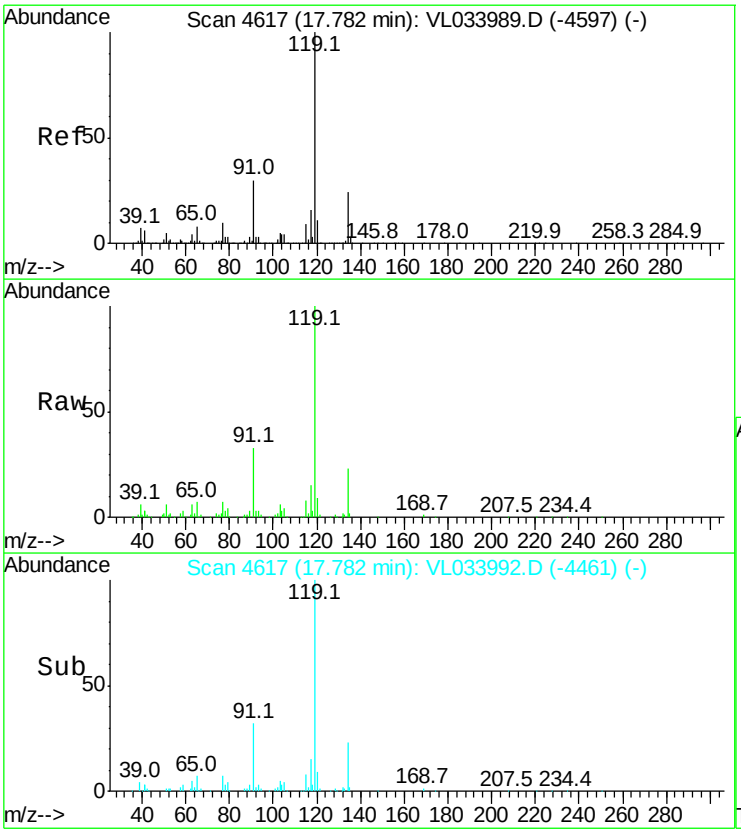
#68
1-Bromo-4-Fluorobenzene
Concen: 9.888 ppbv
RT: 14.54 min Scan# 3608
Delta R.T. -0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 95 Resp: 2227084

Ion	Ratio	Lower	Upper
95	100		
174	74.2	60.5	90.7
175	5.2	4.0	6.0

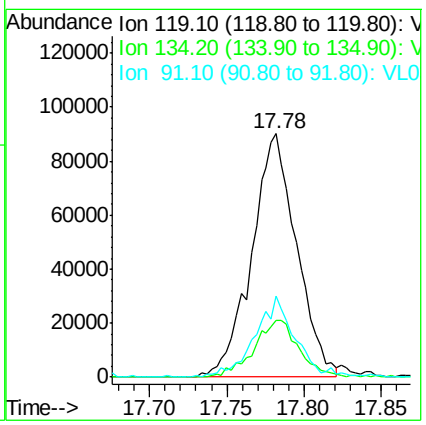


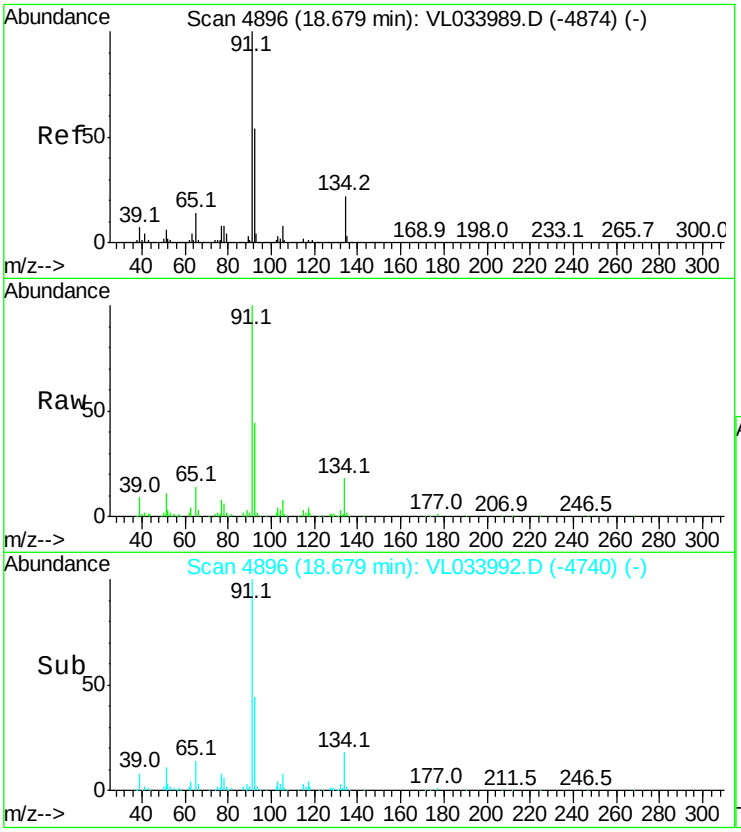


#69
p-Isopropyltoluene
Concen: 0.431 ppbv
RT: 17.78 min Scan# 4617
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion:119 Resp: 181934

Ion	Ratio	Lower	Upper
119	100		
134	23.4	20.1	30.1
91	30.3	23.6	35.4



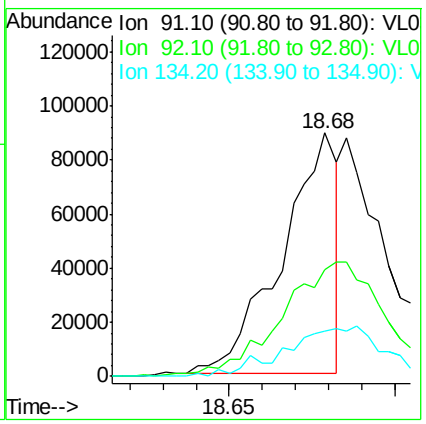


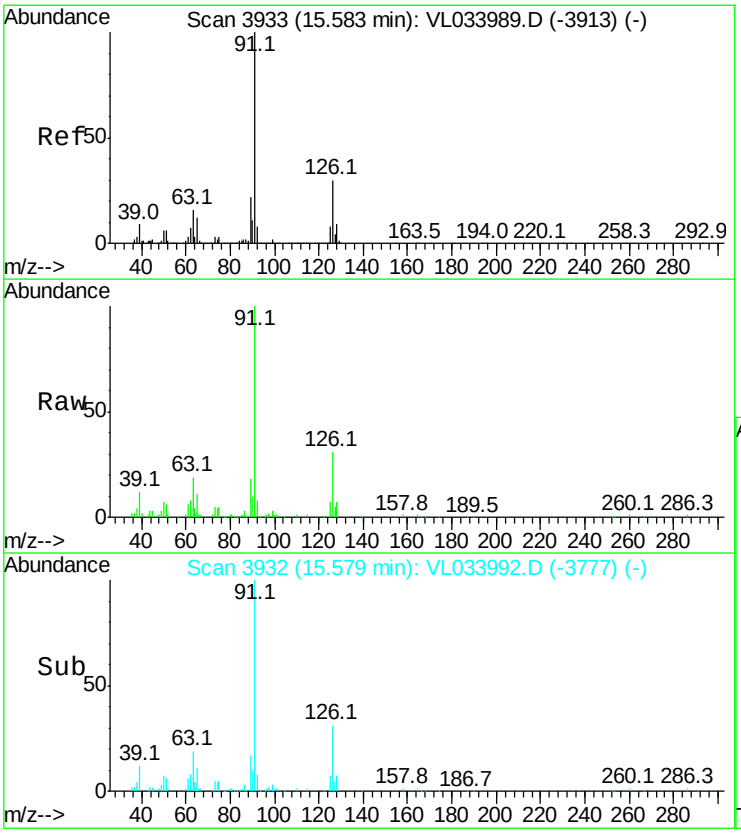
#70
n-Butylbenzene
Concen: 0.224 ppbv
RT: 18.68 min Scan# 4896
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion: 91 Resp: 103528

Ion	Ratio	Lower	Upper
91	100		
92	91.6	42.0	63.0#
134	38.7	17.9	26.9#

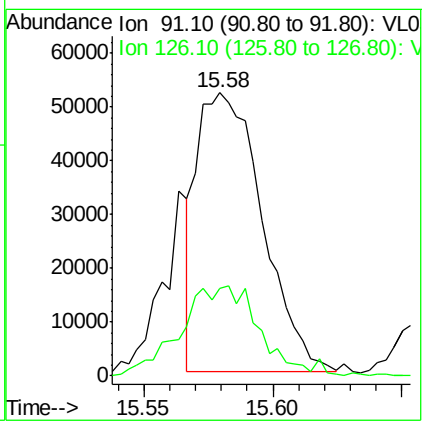


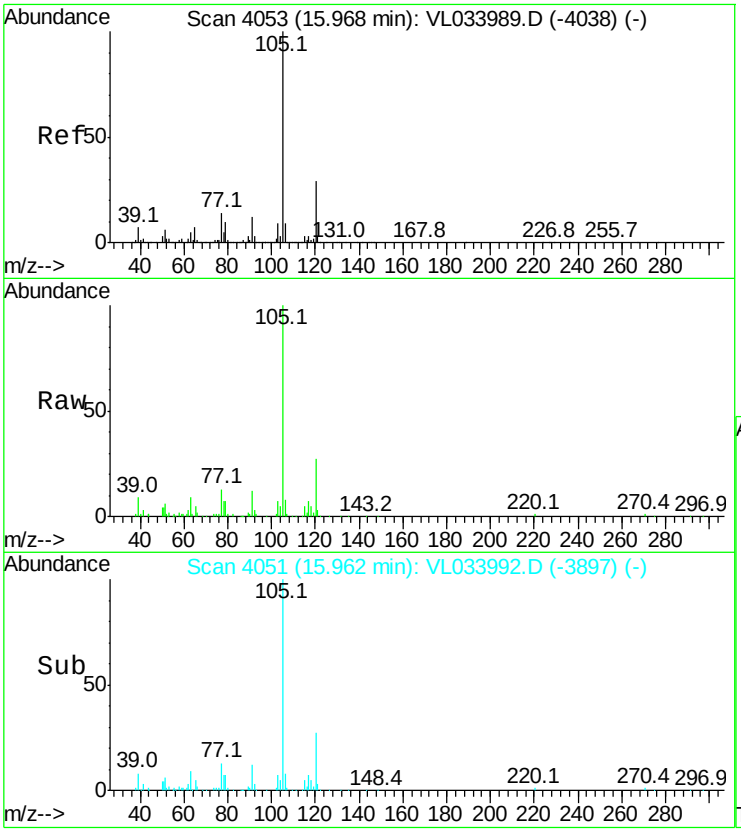


#71
2-Chlorotoluene
Concen: 0.315 ppbv
RT: 15.58 min Scan# 3932
Delta R.T. -0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion: 91 Resp: 90832

Ion	Ratio	Lower	Upper
91	100		
126	39.5	12.3	49.3



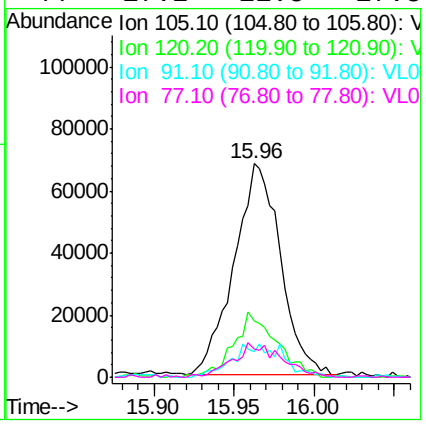


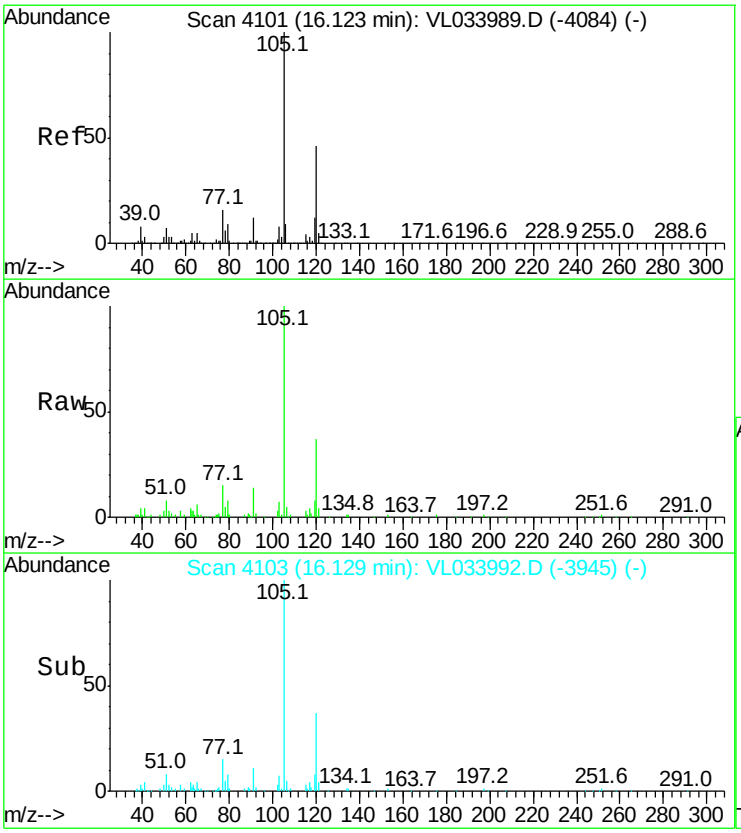
#72
4-Ethyltoluene
Concen: 0.406 ppbv
RT: 15.96 min Scan# 4051
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:105 Resp: 134045

Ion	Ratio	Lower	Upper
105	100		
120	28.9	24.1	36.1
91	17.7	10.6	16.0#
77	17.2	11.5	17.3

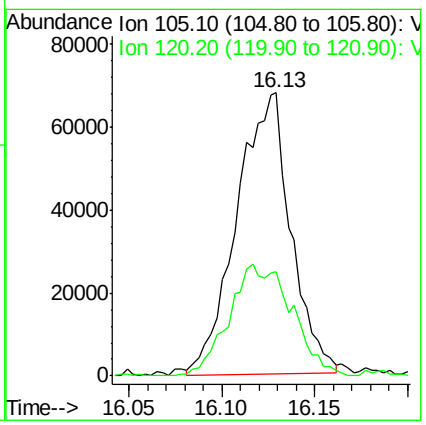


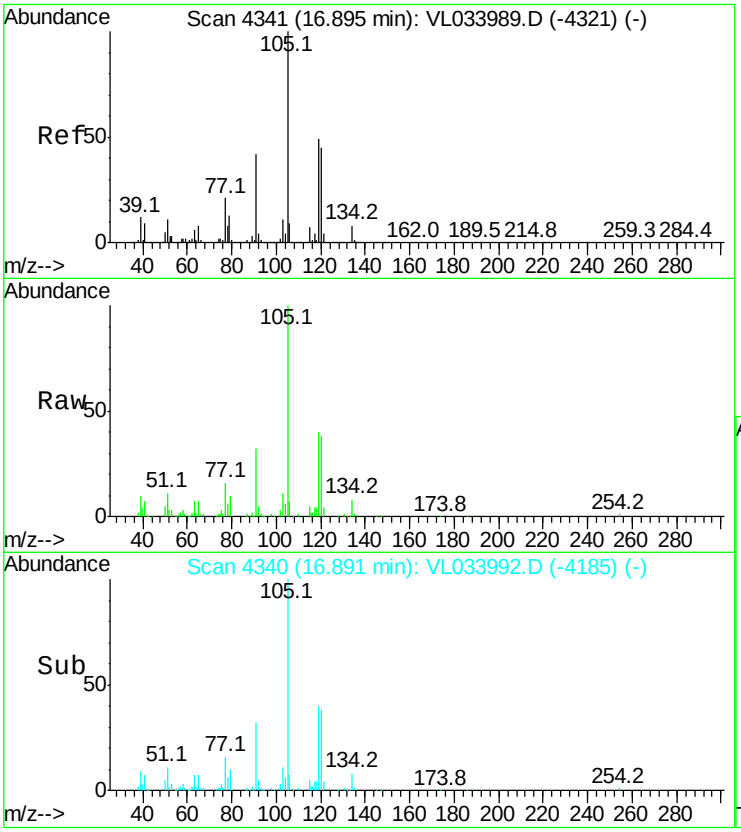


#73
1,3,5-Trimethylbenzene
Concen: 0.424 ppbv
RT: 16.13 min Scan# 4103
Delta R.T. 0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion:105 Resp: 137920

Ion	Ratio	Lower	Upper
105	100		
120	36.9	36.4	54.6



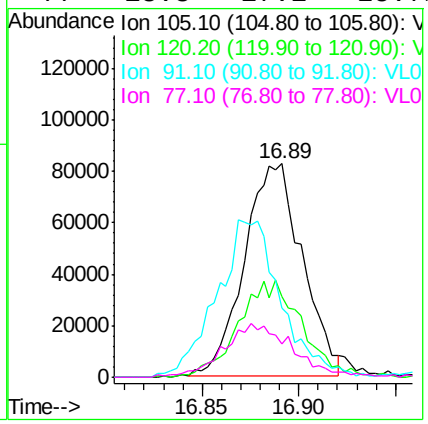


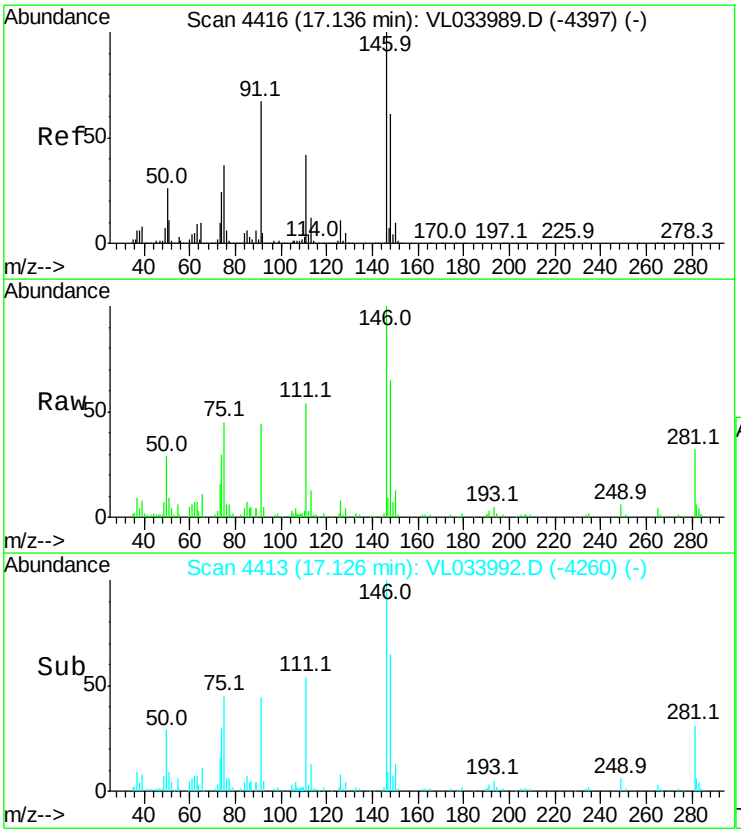
#74
1,2,4-Trimethylbenzene
Concen: 0.458 ppbv
RT: 16.89 min Scan# 4340
Delta R.T. -0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:105 Resp: 171736

Ion	Ratio	Lower	Upper
105	100		
120	36.9	36.2	54.2
91	27.6	34.3	51.5#
77	13.3	17.1	25.7#

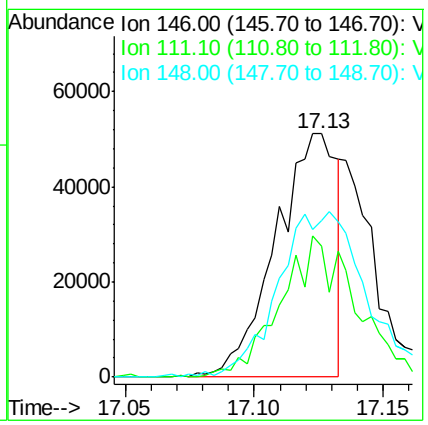


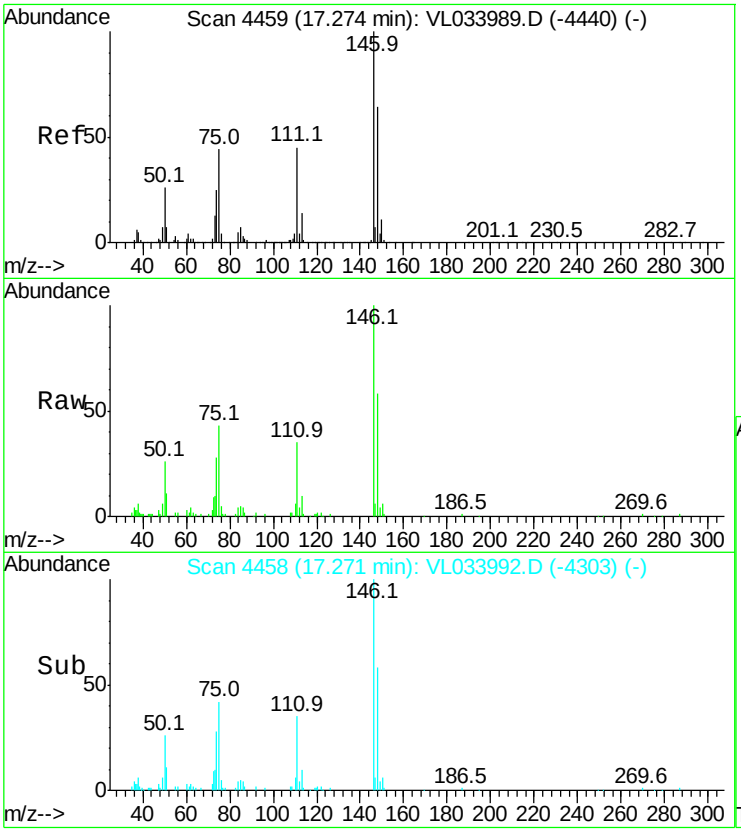


#75
1,3-Dichlorobenzene
Concen: 0.358 ppbv
RT: 17.13 min Scan# 4413
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion:146 Resp: 84141

Ion	Ratio	Lower	Upper
146	100		
111	72.6	22.3	66.9#
148	97.6	32.0	96.2#



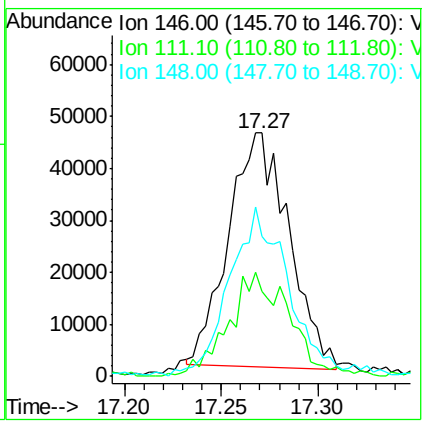


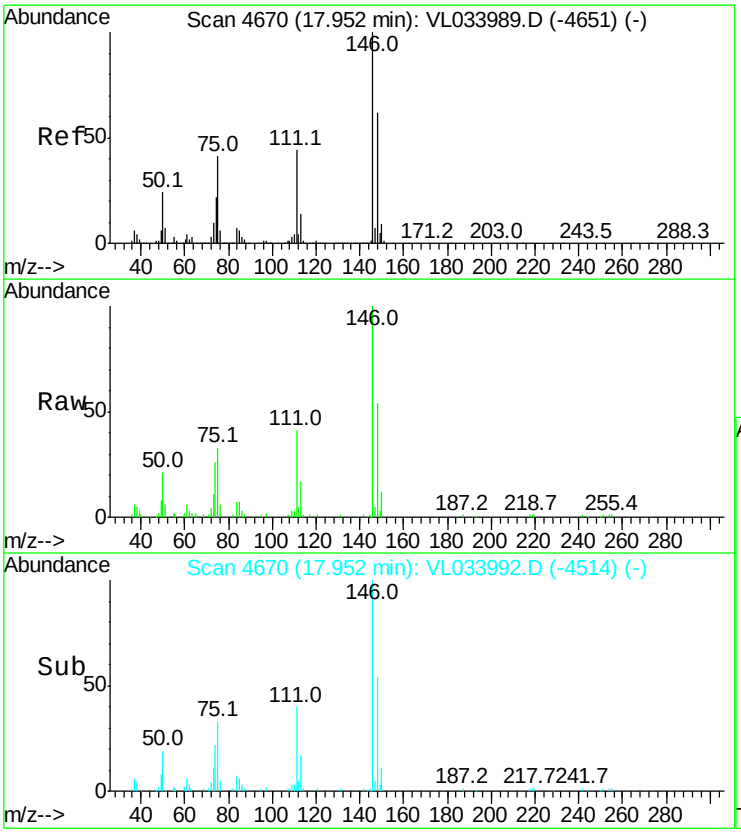
#76
1,4-Dichlorobenzene
Concen: 0.453 ppbv
RT: 17.27 min Scan# 4458
Delta R.T. -0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:146 Resp: 97739

Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.9	65.5
148	73.0	32.5	97.5

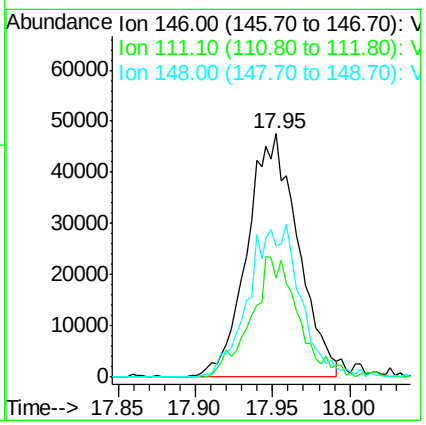


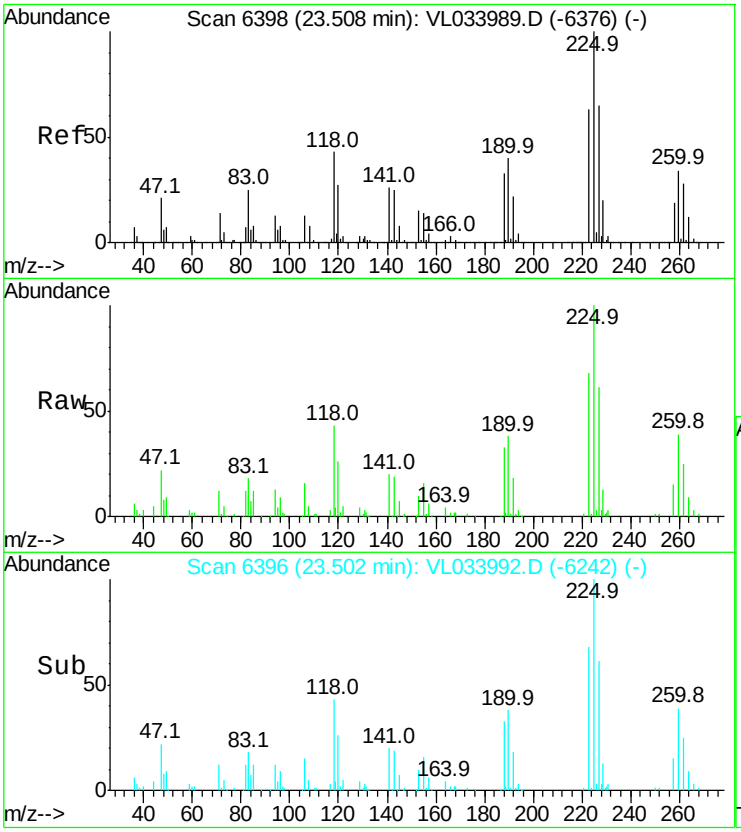


#77
1,2-Dichlorobenzene
Concen: 0.501 ppbv
RT: 17.95 min Scan# 4670
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion:146 Resp: 108510

Ion	Ratio	Lower	Upper
146	100		
111	46.5	22.7	68.1
148	64.1	32.1	96.3



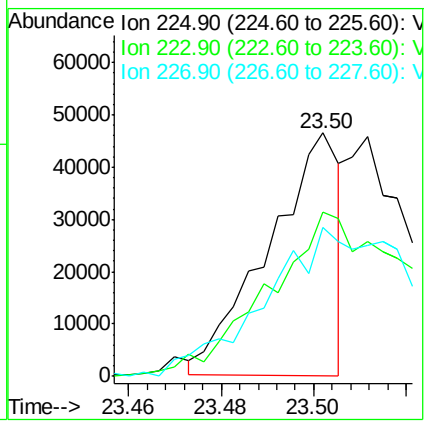


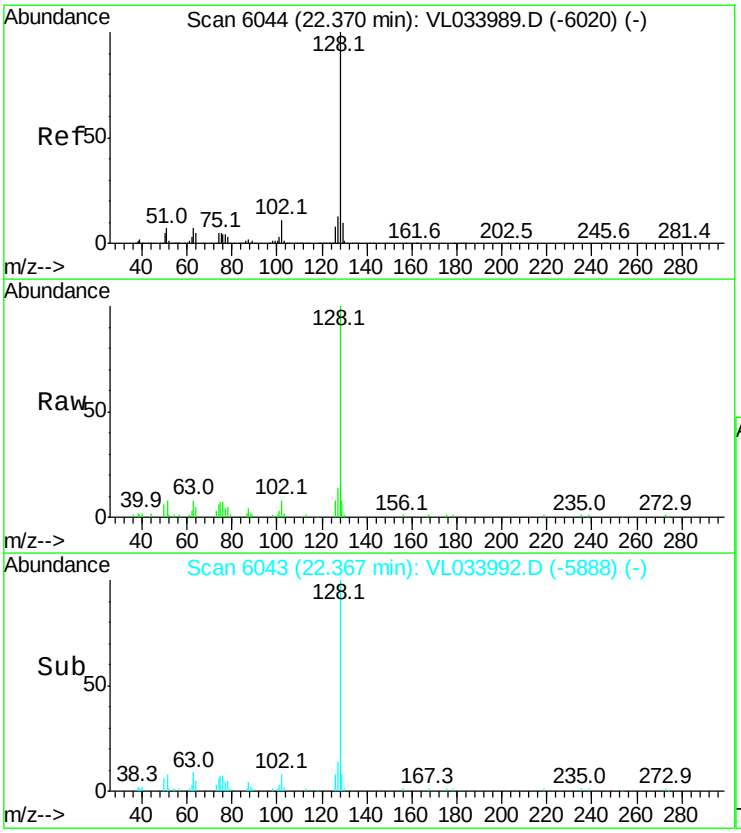
#78
Hexachloro-1,3-Butadiene
Concen: 0.295 ppbv
RT: 23.50 min Scan# 6396
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.5

Tgt Ion:225 Resp: 49874

Ion	Ratio	Lower	Upper
225	100		
223	139.0	51.5	77.3#
227	137.3	52.1	78.1#

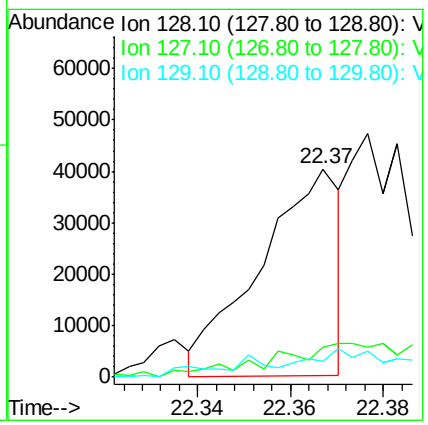


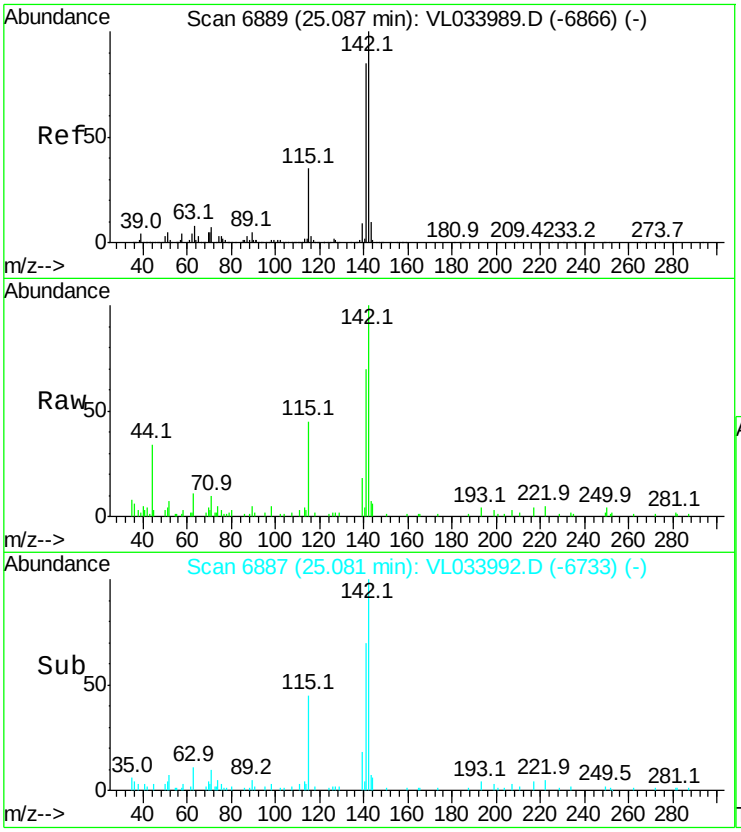


#79
Naphthalene
Concen: 0.161 ppbv
RT: 22.37 min Scan# 6043
Delta R.T. -0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion:128 Resp: 48202

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	2.5	8.3	12.5#



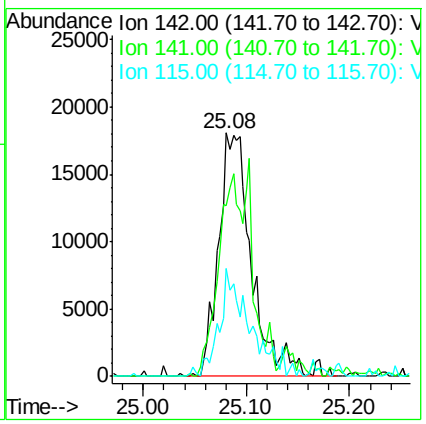


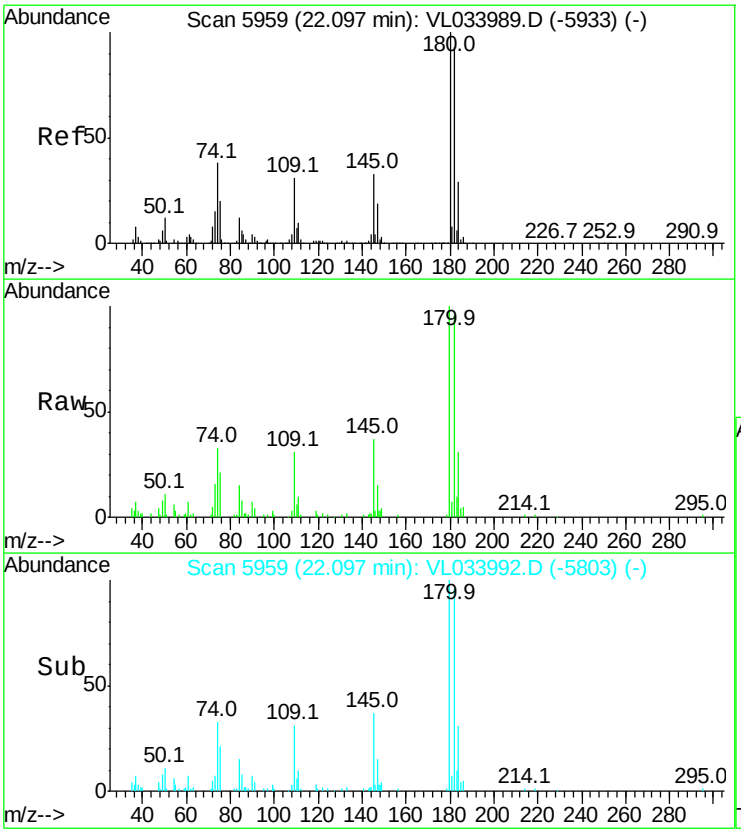
#80
Naphthalene,2-methyl-
Concen: 0.340 ppbv
RT: 25.08 min Scan# 6887
Delta R.T. -0.01 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Tgt Ion:142 Resp: 40685

Ion	Ratio	Lower	Upper
142	100		
141	89.6	68.2	102.2
115	40.4	29.9	44.9





#81
1,2,4-Trichlorobenzene
Concen: 0.320 ppbv
RT: 22.10 min Scan# 5959
Delta R.T. 0.00 min
Lab File: VL033992.D
Acq: 2 Jul 2019 15:36

Tgt Ion:180 Resp: 60499

Ion	Ratio	Lower	Upper
180	100		
182	132.7	76.6	114.8#
184	45.9	24.6	36.8#