Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\

Quantitation Report (Not Reviewed)

Data File : VL033173.D
Acq On : 6 Feb 2019 4:24
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Quant Time: Feb 20 05:09:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 05:04:48 2019
QLast Update : Wed Feb 20 05:04:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	968950	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.29	114	2608690	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	2587316	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2065194	10.24	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	23283	0.126	ppbv		94
3) Chlorodifluoromethane	3.02	51	14420	0.124	ppbv		99
4) Chloromethane	3.17	50	7990	0.130	ppbv		99
5) Vinyl Chloride	3.29	62	3629	0.056	ppbv		91
6) Bromomethane	3.52	94	4434	0.125	ppbv	#	45
7) Chloroethane	3.60	64	1220	0.058	ppbv	#	85
8) Dichlorotetrafluoroethane	3.22	85	18285	0.126	ppbv		94
9) Propene	3.04	41	7588	0.135	ppbv		98
10) Heptane	8.25	43	5596	0.033	ppbv	#	1
11) Trichlorofluoromethane	4.01	101	18642	0.124	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.55	101	12299	0.118	ppbv		95
14) Bromoethene	3.79	108	2185	0.049	ppbv	#	1
16) 1,3-Butadiene	3.36	39	4162	0.080	ppbv	#	45
18) 1,1-Dichloroethene	4.35	96	1858	0.040	ppbv	#	44
20) Methylene Chloride	4.41	84	5761	0.133	ppbv	#	74
21) Allyl Chloride	4.47	41	3947	0.055	ppbv	#	1
22) trans-1,2-Dichloroethene	4.97	96	3832	0.085	ppbv		86
23) Vinyl Acetate	5.16	43	23245	0.123	ppbv	#	96
24) 1,1-Dichloroethane	5.09	63	16051	0.120	ppbv		98
25) Ethyl Acetate	5.78	43	28293	0.115	ppbv		98
26) Hexane	5.78	57	14662	0.127	ppbv		93
27) Carbon Disulfide	4.62	76	8408	0.080	ppbv	#	1
28) Methyl tert-Butyl Ether	5.14	73	9403	0.060	ppbv	#	55
29) Chloroform	5.85	83	19821	0.112	ppbv		90
30) Cyclohexane	7.25	84	7905	0.074	ppbv	#	10
31) cis-1,2-Dichloroethene	5.64	61	7192	0.062	ppbv	#	81
32) 1,1,1-Trichloroethane	6.62	97	6825	0.035	ppbv	#	1
35) Carbon Tetrachloride	7.13	117	19123	0.096	ppbv	#	78
36) Benzene	7.00	78	22069	0.083	ppbv	#	91
37) 1,2-Dichloroethane	6.41	62	17644	0.120	ppbv	#	96
38) Trichloroethene	7.95	130	5010	0.044	ppbv	#	56
39) 1,2-Dichloropropane	7.29	63	660232	6.323	ppbv	#	25
40) 1,4-Dioxane	8.02	88	1549	0.041	ppbv	#	1
41) Tetrahydrofuran	6.18	42	4848	0.047	ppbv	#	23
42) Bromodichloromethane	7.91	83	13276	0.063	ppbv		92
44) 2,2,4-Trimethylpentane	7.99	57	29073	0.065	ppbv	#	59
47) 1,1,2-Trichloroethane	9.61	97	6927	0.064	ppbv	#	95
48) Dibromochloromethane	10.45	129	15834	0.093	ppbv		96
52) Tetrachloroethene	11.38	164	8186	0.081	ppbv	#	57
53) Toluene	9.94	91	14653	0.047	ppbv	#	2
54) 1,2-Dibromoethane	10.76	107	8783	0.052	ppbv		98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\

Quantitation Report (Not Reviewed)

Data File : VL033173.D
Acq On : 6 Feb 2019 4:24
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Quant Time: Feb 20 05:09:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 05:04:48 2019
QLast Update : Wed Feb 20 05:04:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
57) Chlorobenzene	12.30	112	28316	0.124	ppbv	#	89
58) Ethyl Benzene	12.86	91	27002	0.064	ppbv		97
59) m/p-Xylene	13.15	91	14609	0.041	ppbv	#	31
60) o-Xylene	13.85	91	18700	0.054	ppbv	#	30
61) Styrene	13.68	104	11228	0.043	ppbv	#	8
62) Isopropylbenzene	14.82	105	22392	0.046	ppbv	#	50
63) 1,1,2,2-Tetrachloroethane	13.84	83	12194	0.045	ppbv	#	1
64) n-propylbenzene	15.72	120	7535	0.061	ppbv	#	1
65) tert-Butylbenzene	16.90	119	14639	0.035	ppbv	#	1
67) sec-Butylbenzene	17.46	105	31823	0.052	ppbv	#	59
69) p-Isopropyltoluene	17.82	119	17298	0.034	ppbv	#	21
70) n-Butylbenzene	18.72	91	32096	0.058	ppbv	#	50
71) 2-Chlorotoluene	15.61	91	20456	0.054	ppbv	#	45
72) 4-Ethyltoluene	16.01	105	21316	0.054	ppbv	#	53
73) 1,3,5-Trimethylbenzene	16.15	105	13755	0.036	ppbv		90
74) 1,2,4-Trimethylbenzene	16.92	105	16026	0.041	ppbv		95
75) 1,3-Dichlorobenzene	17.16	146	16754	0.074	ppbv	#	43
76) 1,4-Dichlorobenzene	17.31	146	11667	0.052	ppbv	#	24
78) Hexachloro-1,3-Butadiene	23.54	225	4772	0.043	ppbv	#	1
79) Naphthalene	22.42	128	24506	0.058	ppbv		95
80) Naphthalene,2-methyl-	25.13	142	16308	0.076	ppbv		94

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

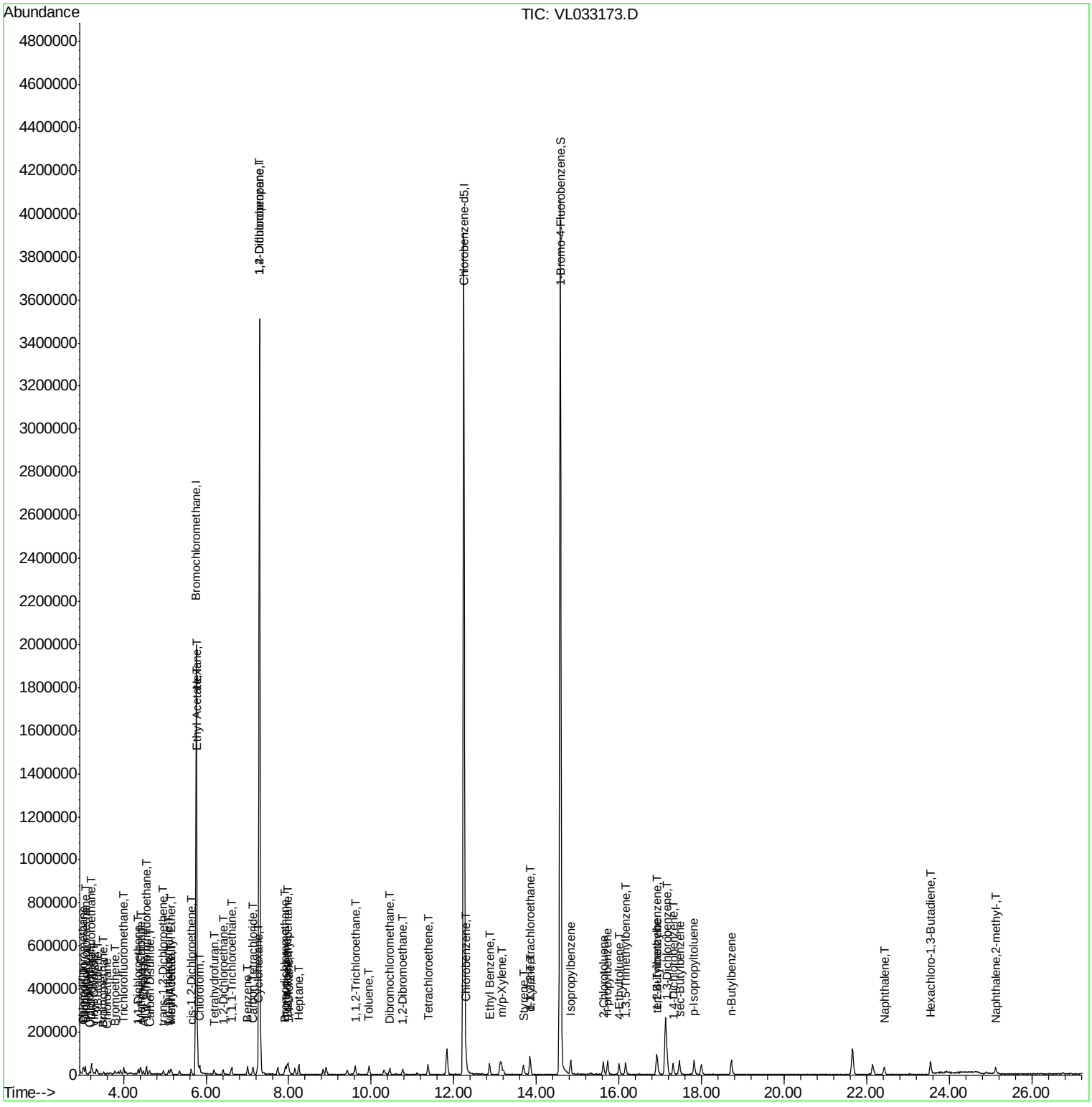
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\

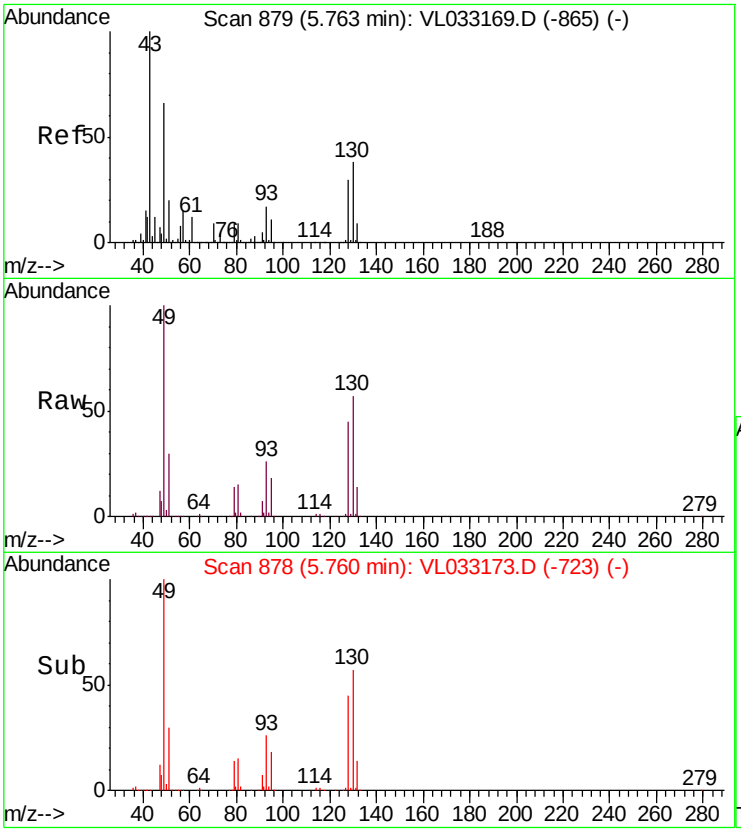
Quantitation Report (Not Reviewed)

Data File : VL033173.D
Acq On : 6 Feb 2019 4:24
Operator : SY/AP
Sample : VSTDICC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Quant Time: Feb 20 05:09:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 20 05:04:48 2019
QLast Update : Wed Feb 20 05:04:48 2019
Response via : Initial Calibration



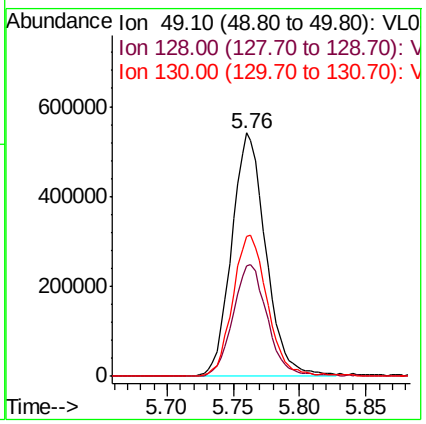


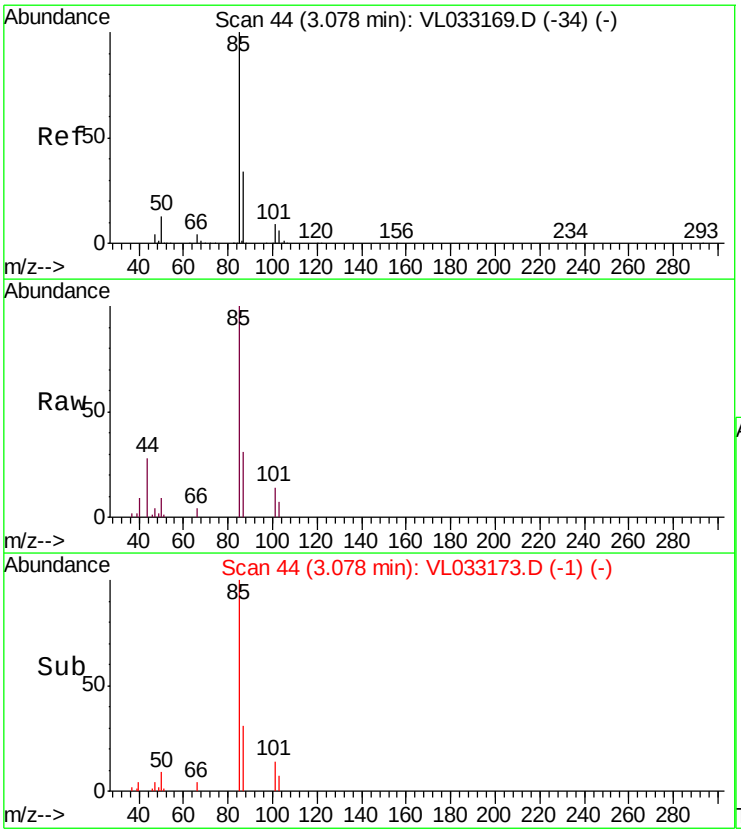
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 49 Resp: 968950

Ion	Ratio	Lower	Upper
49	100		
128	46.7	23.6	71.0
130	59.2	30.3	91.0

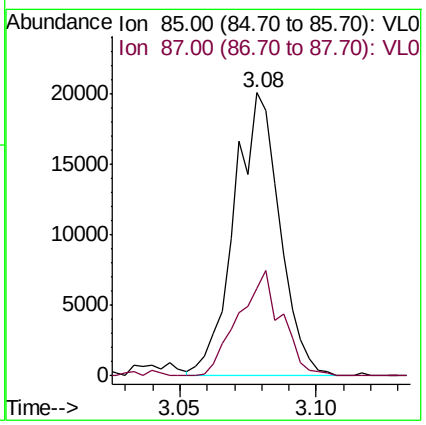


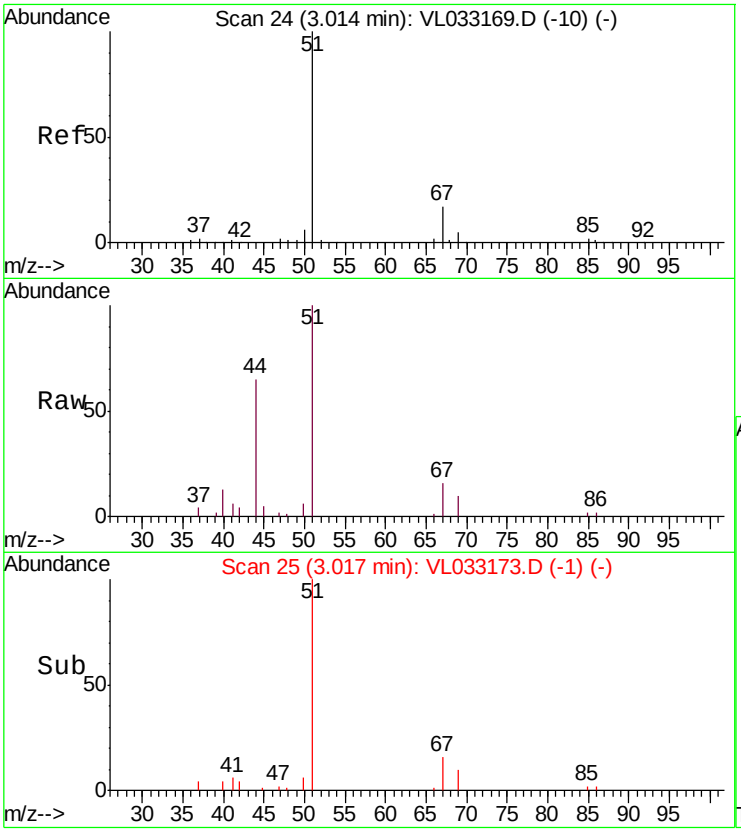


#2
Dichlorodifluoromethane
Concen: 0.126 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion: 85 Resp: 23283

Ion	Ratio	Lower	Upper
85	100		
87	30.8	27.4	41.2



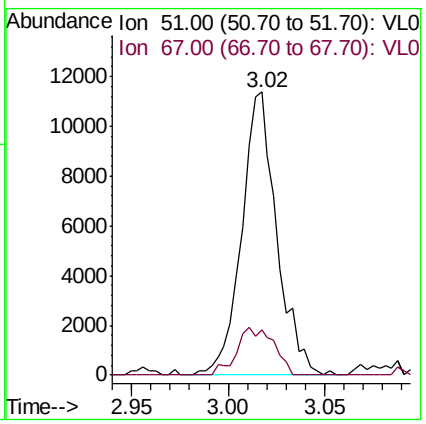


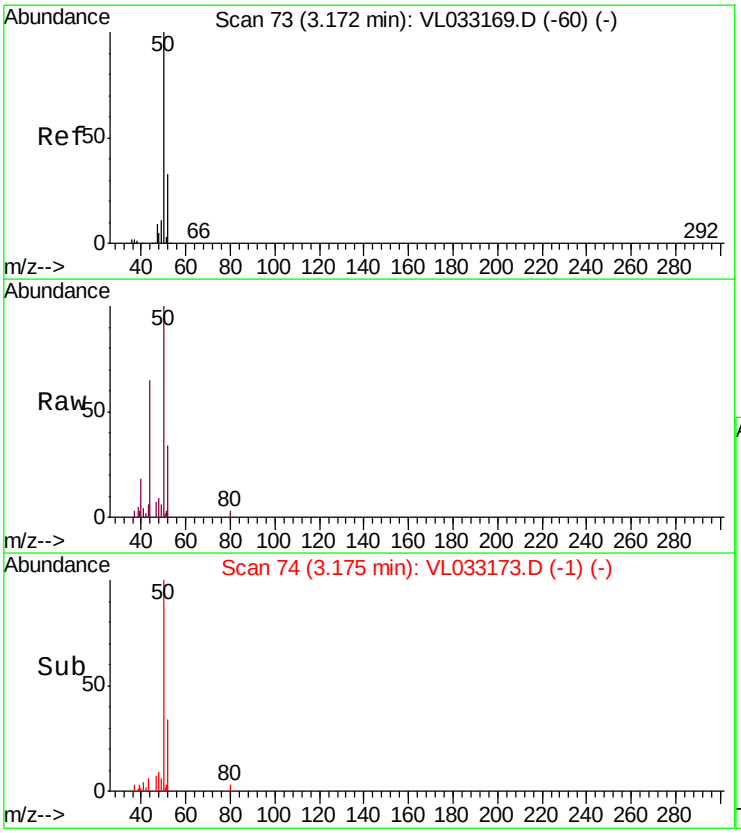
#3
Chlorodifluoromethane
Concen: 0.124 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 51 Resp: 14420

Ion	Ratio	Lower	Upper
51	100		
67	17.8	14.0	21.0

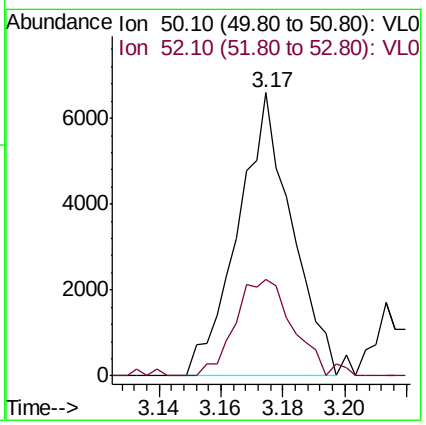


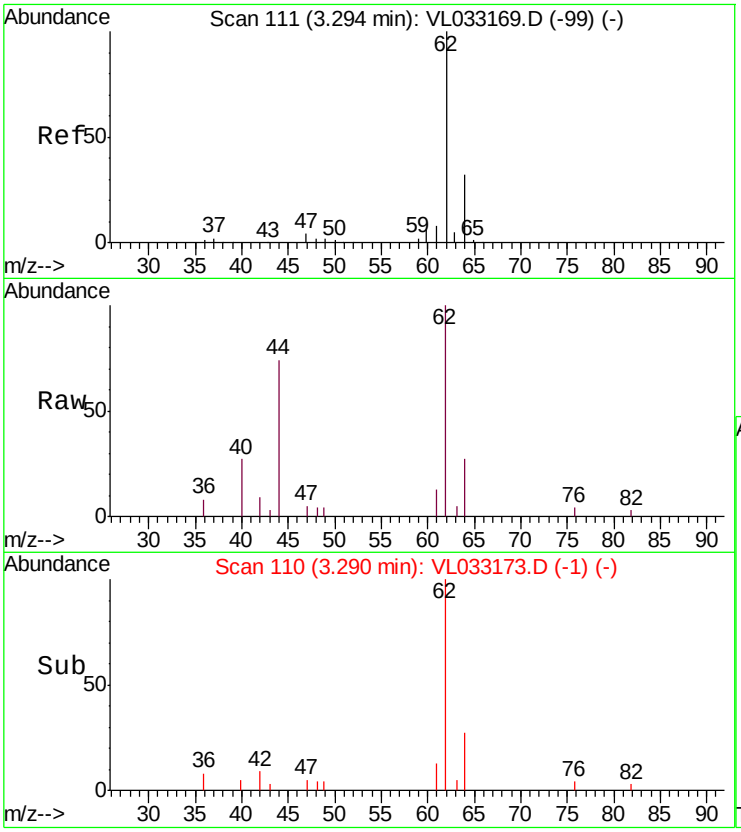


#4
Chloromethane
Concen: 0.130 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion: 50 Resp: 7990

Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.5	39.7



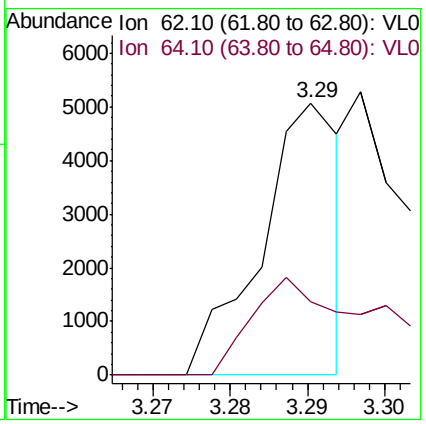


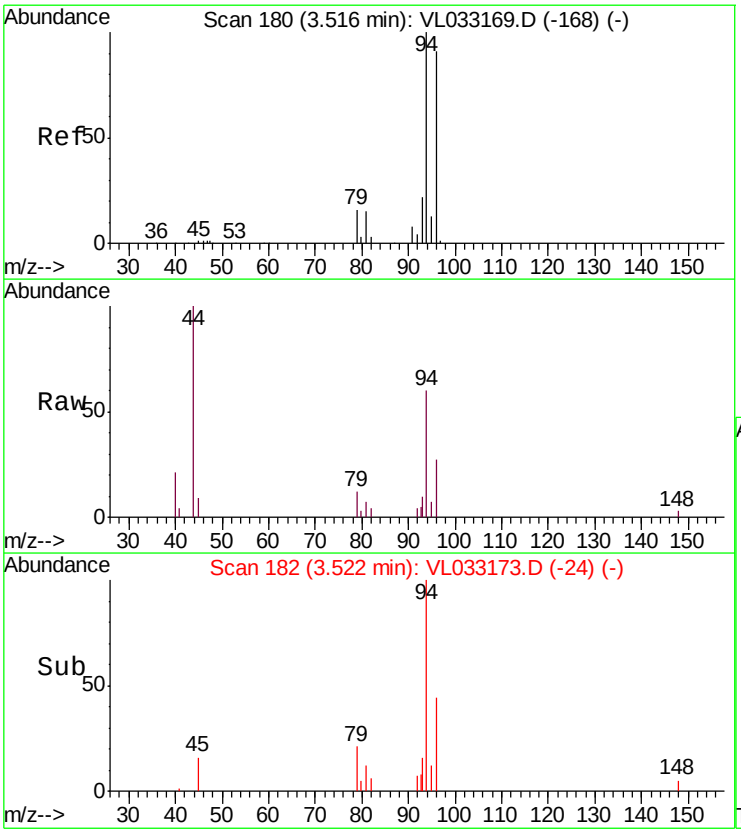
#5
Vinyl Chloride
Concen: 0.056 ppbv
RT: 3.29 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 62 Resp: 3629

Ion	Ratio	Lower	Upper
62	100		
64	27.1	25.6	38.4

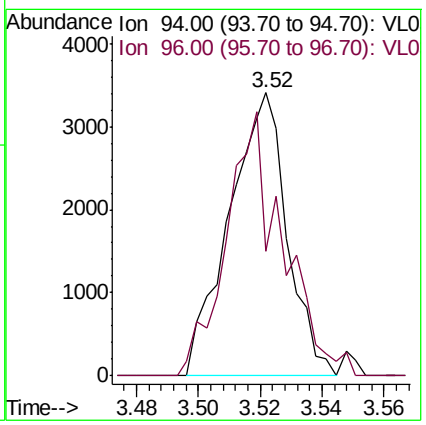


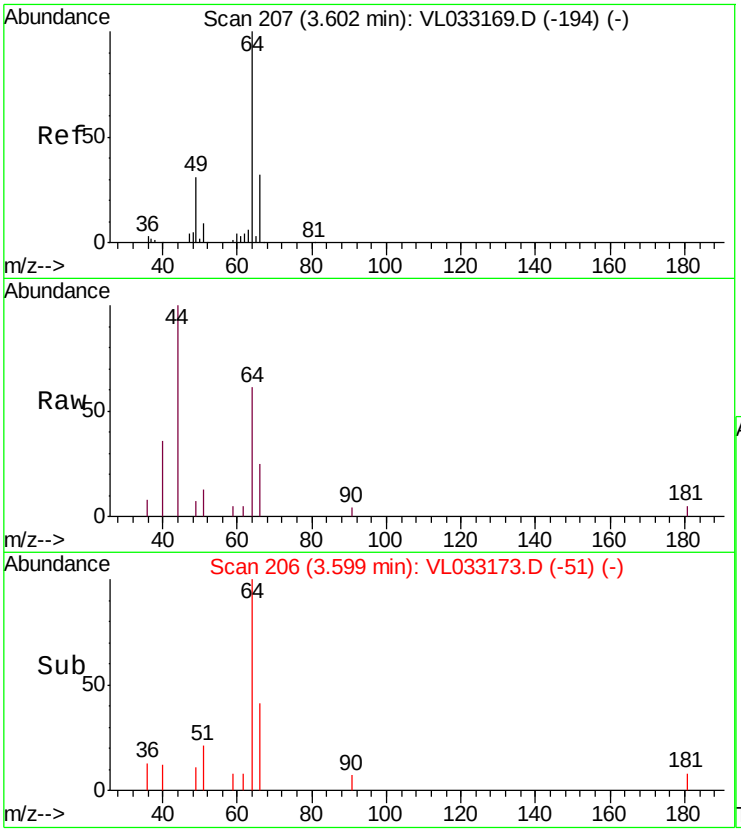


#6
Bromomethane
Concen: 0.125 ppbv
RT: 3.52 min Scan# 182
Delta R.T. 0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion: 94 Resp: 4434

Ion	Ratio	Lower	Upper
94	100		
96	39.1	73.2	109.8#



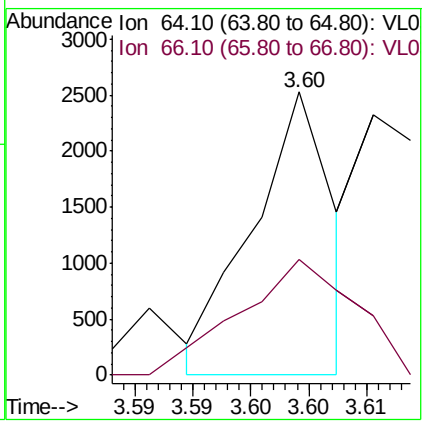


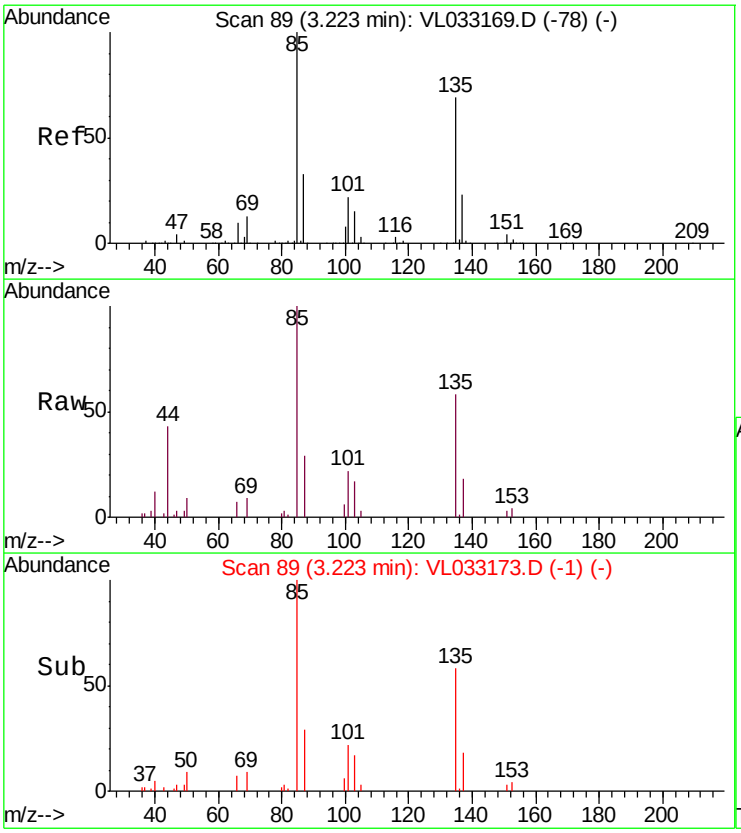
#7
Chloroethane
Concen: 0.058 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 64 Resp: 1220

Ion	Ratio	Lower	Upper
64	100		
66	40.9	26.0	39.0#

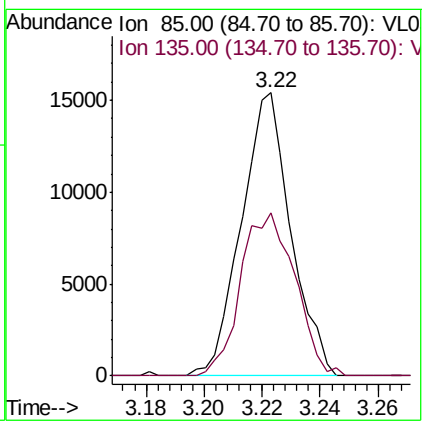


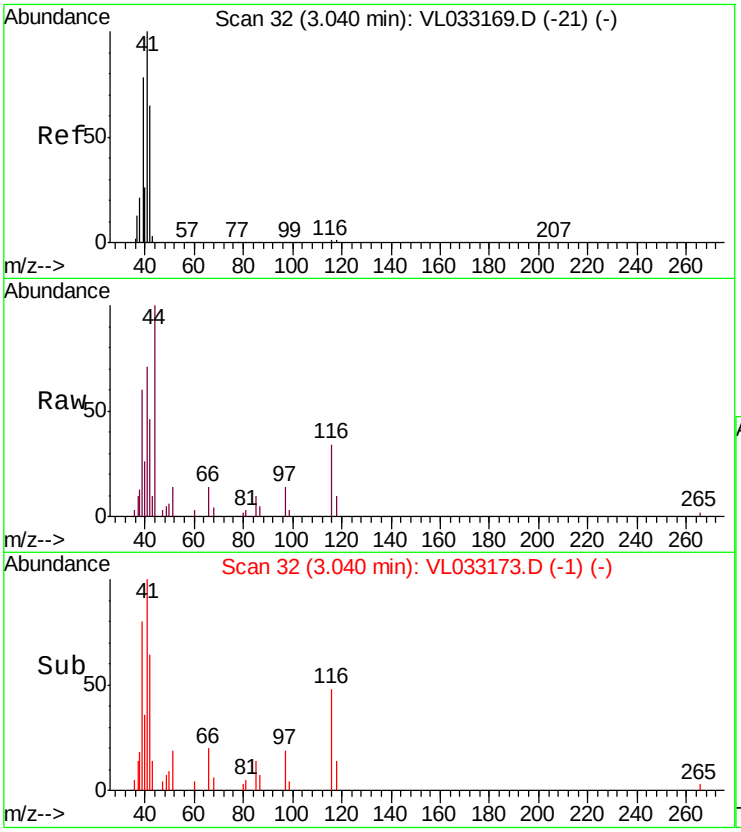


#8
Dichlorotetrafluoroethane
Concen: 0.126 ppbv
RT: 3.22 min Scan# 89
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion: 85 Resp: 18285

Ion	Ratio	Lower	Upper
85	100		
135	63.2	54.3	81.5



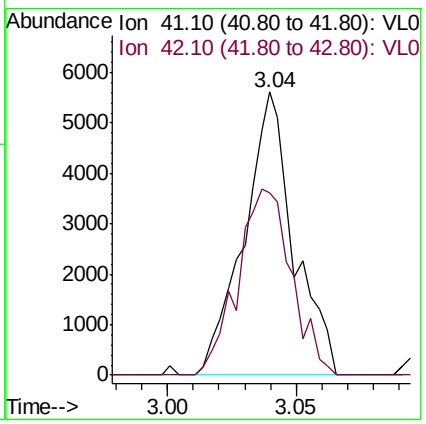


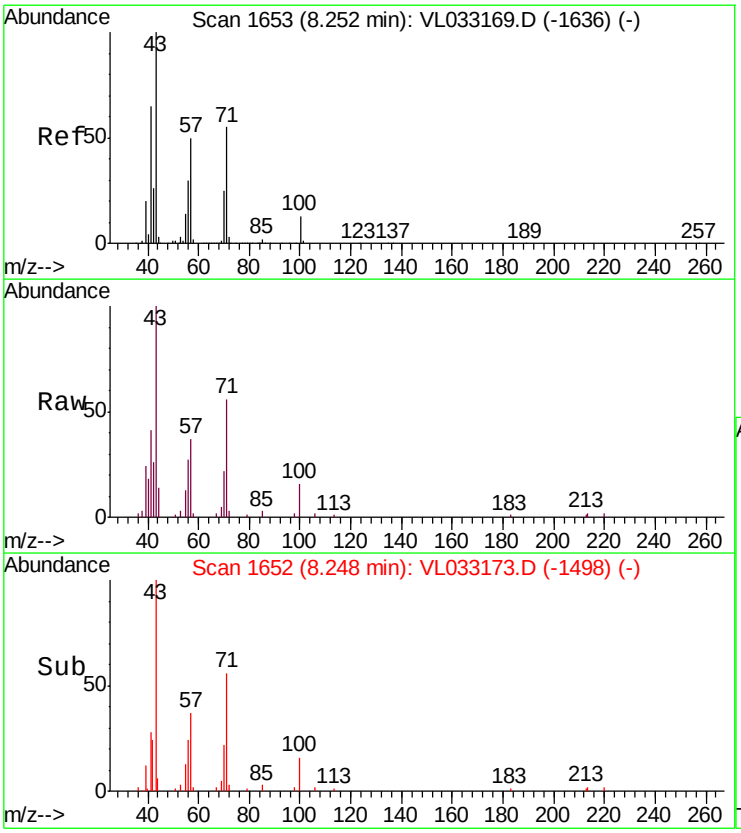
#9
Propene
Concen: 0.135 ppbv
RT: 3.04 min Scan# 32
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 41 Resp: 7588

Ion	Ratio	Lower	Upper
41	100		
42	70.8	55.0	82.6

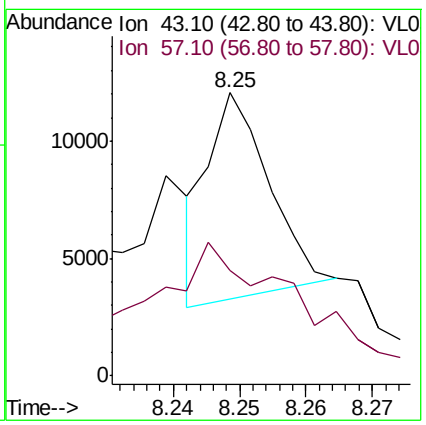


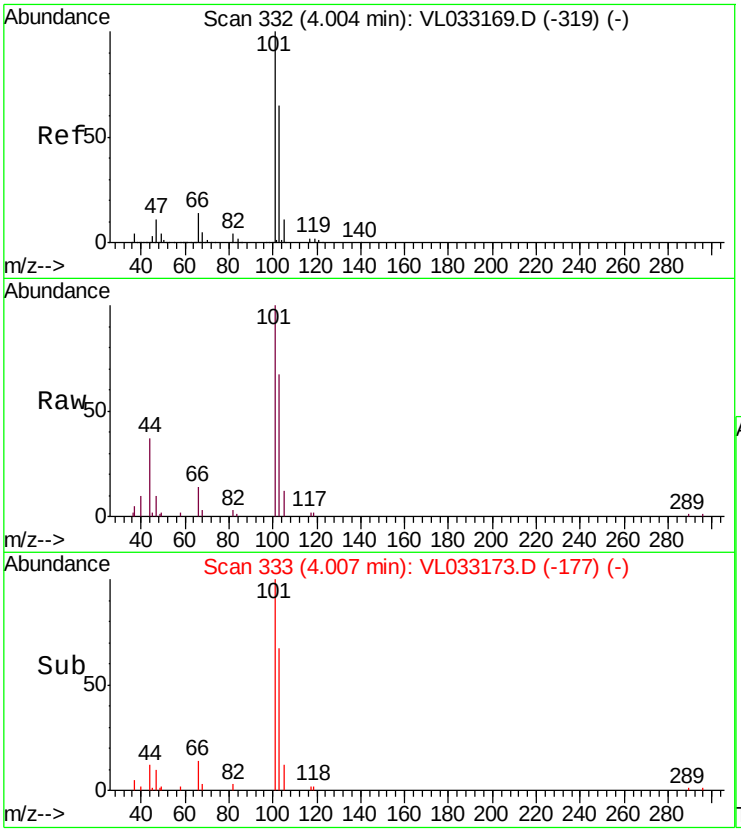


#10
Heptane
Concen: 0.033 ppbv
RT: 8.25 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion: 43 Resp: 5596

Ion	Ratio	Lower	Upper
43	100		
57	171.7	39.5	59.3#



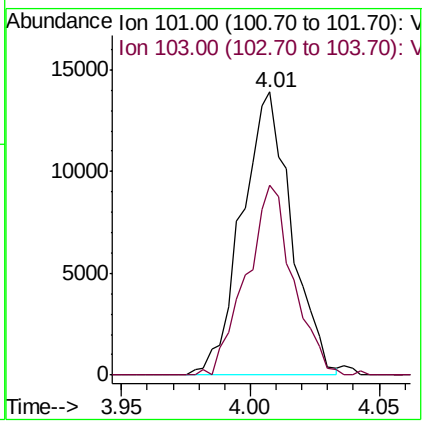


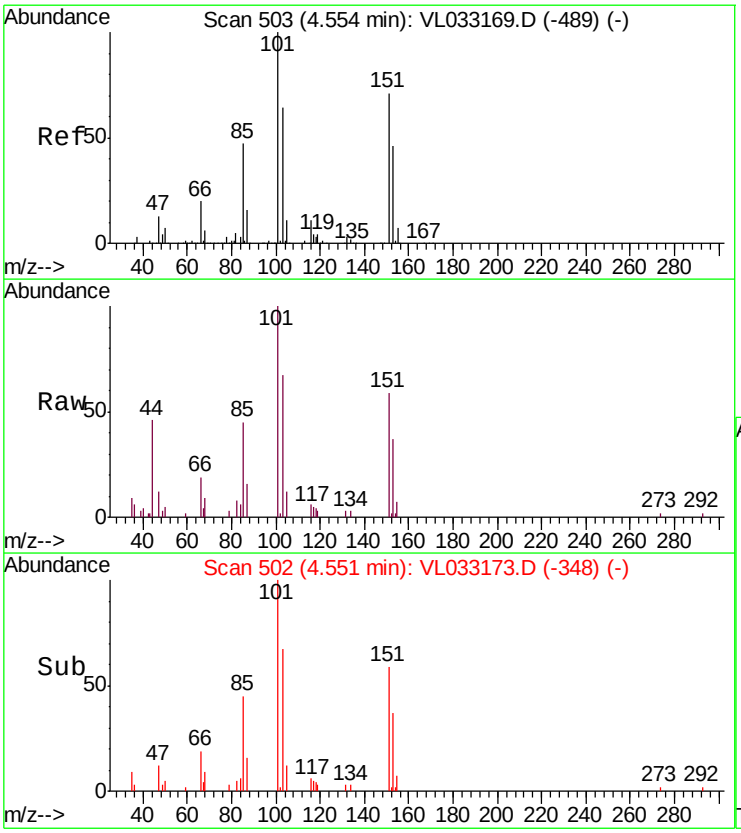
#11
Trichlorofluoromethane
Concen: 0.124 ppbv
RT: 4.01 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion:101 Resp: 18642

Ion	Ratio	Lower	Upper
101	100		
103	67.2	51.7	77.5

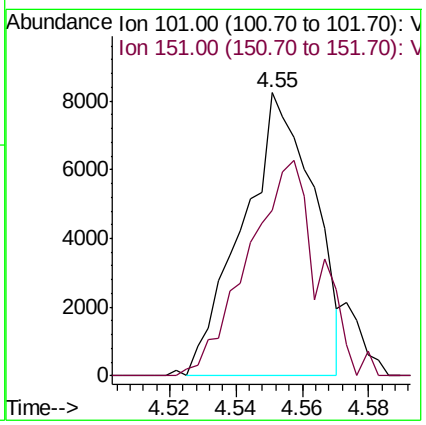


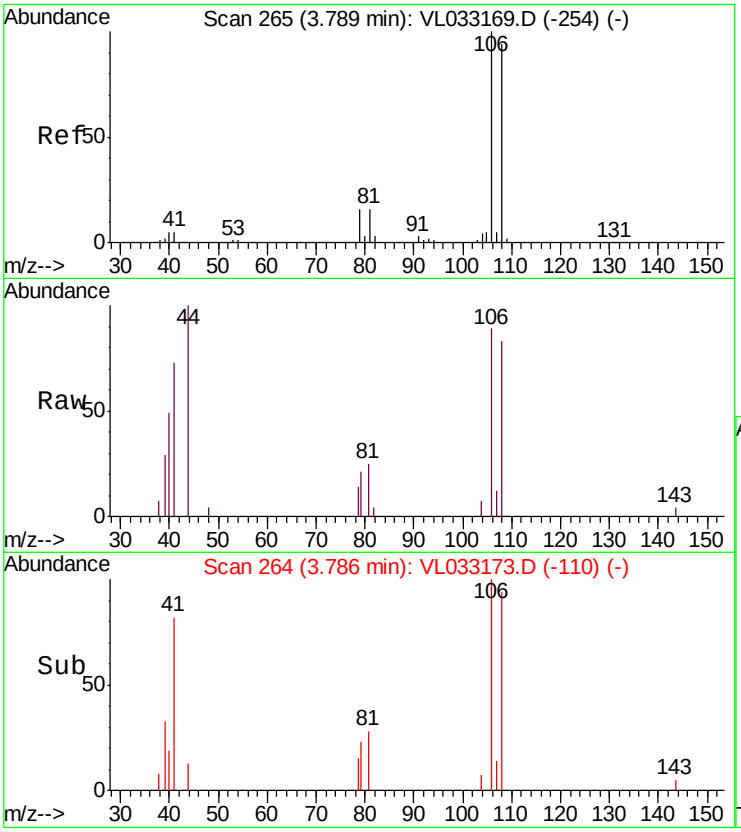


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.118 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion:101 Resp: 12299

Ion	Ratio	Lower	Upper
101	100		
151	75.5	57.4	86.0



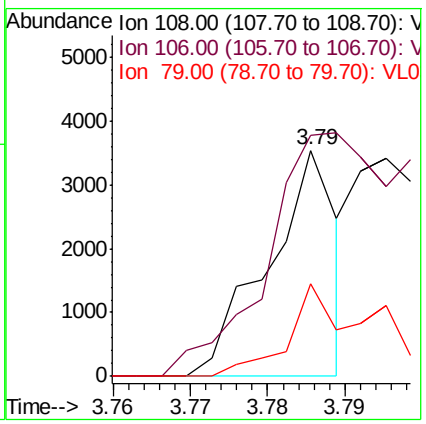


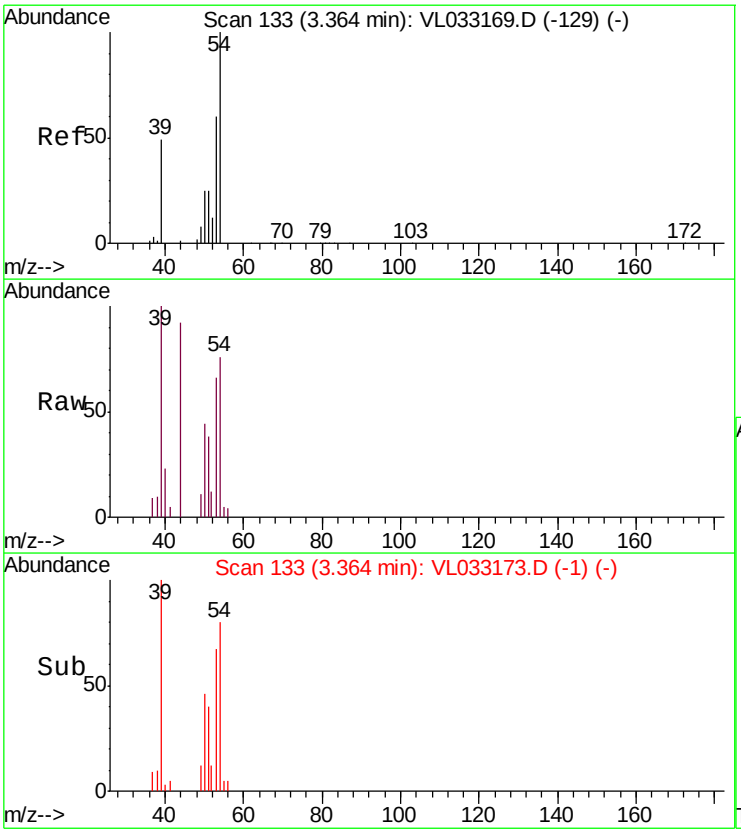
#14
Bromoethene
Concen: 0.049 ppbv
RT: 3.79 min Scan# 264
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:108 Resp: 2185

Ion	Ratio	Lower	Upper
108	100		
106	257.4	86.0	129.0#
79	69.3	14.5	21.7#

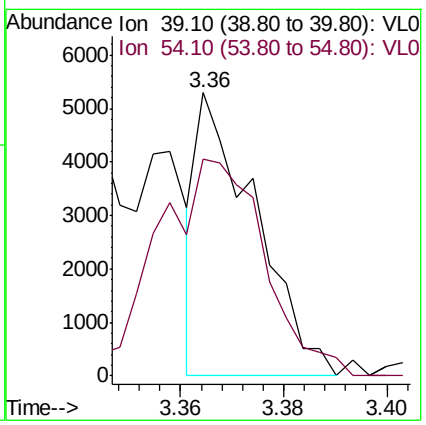


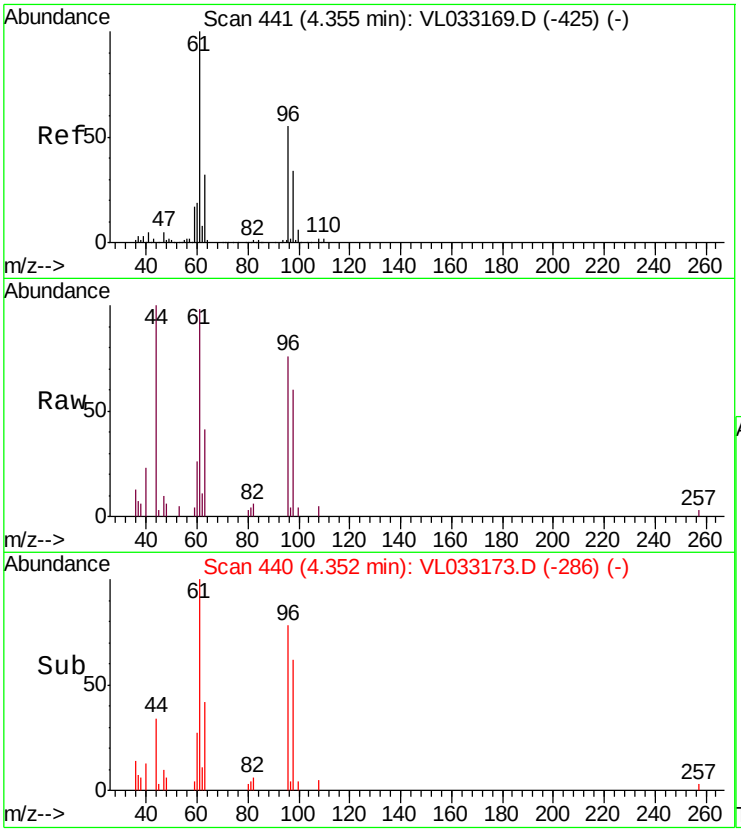


#16
1,3-Butadiene
Concen: 0.080 ppbv
RT: 3.36 min Scan# 133
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion: 39 Resp: 4162

Ion	Ratio	Lower	Upper
39	100		
54	140.9	71.3	106.9#



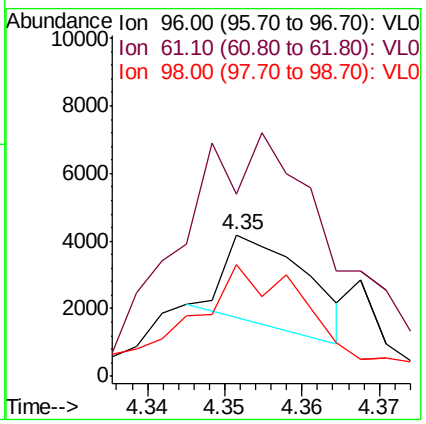


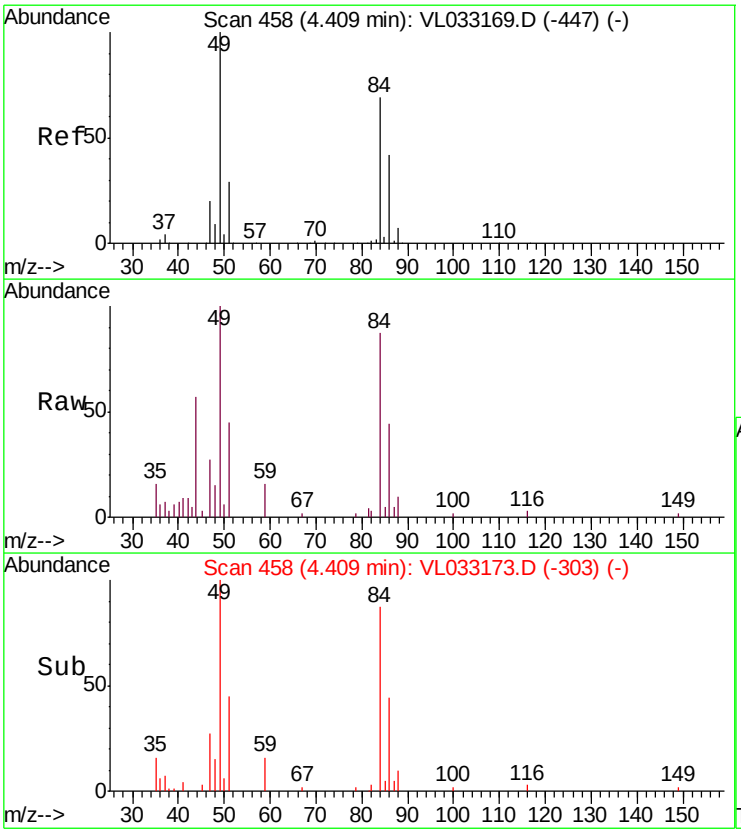
#18
1,1-Dichloroethene
Concen: 0.040 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 96 Resp: 1858

Ion	Ratio	Lower	Upper
96	100		
61	98.6	145.0	217.6#
98	100.9	50.0	75.0#

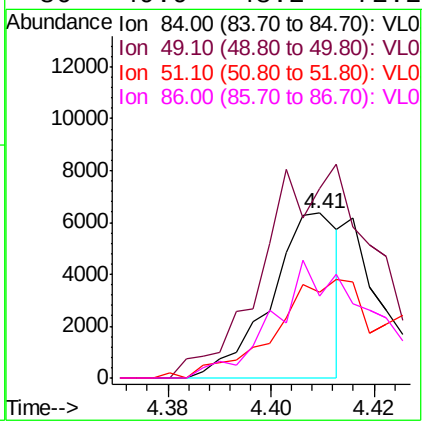


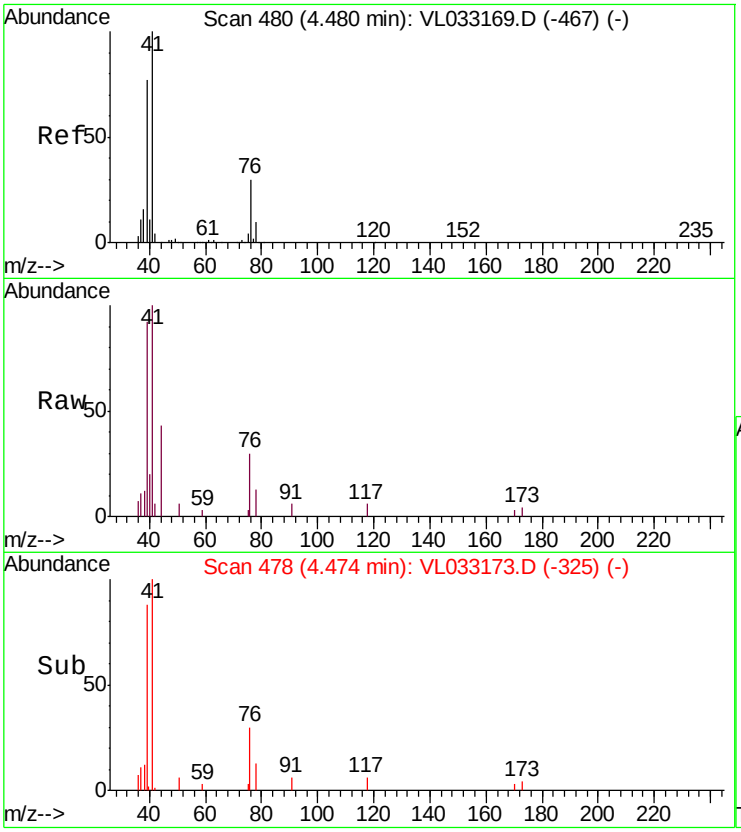


#20
Methylene Chloride
Concen: 0.133 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion: 84 Resp: 5761

Ion	Ratio	Lower	Upper
84	100		
49	103.2	115.8	173.8#
51	52.1	33.0	49.6#
86	49.9	48.2	72.2



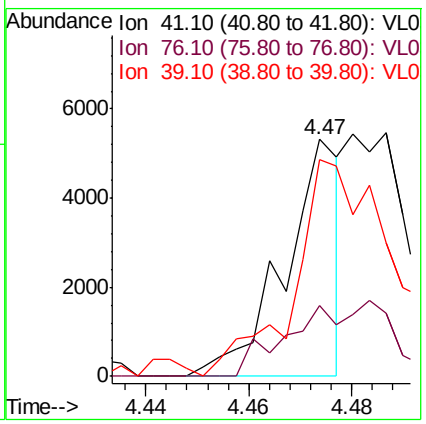


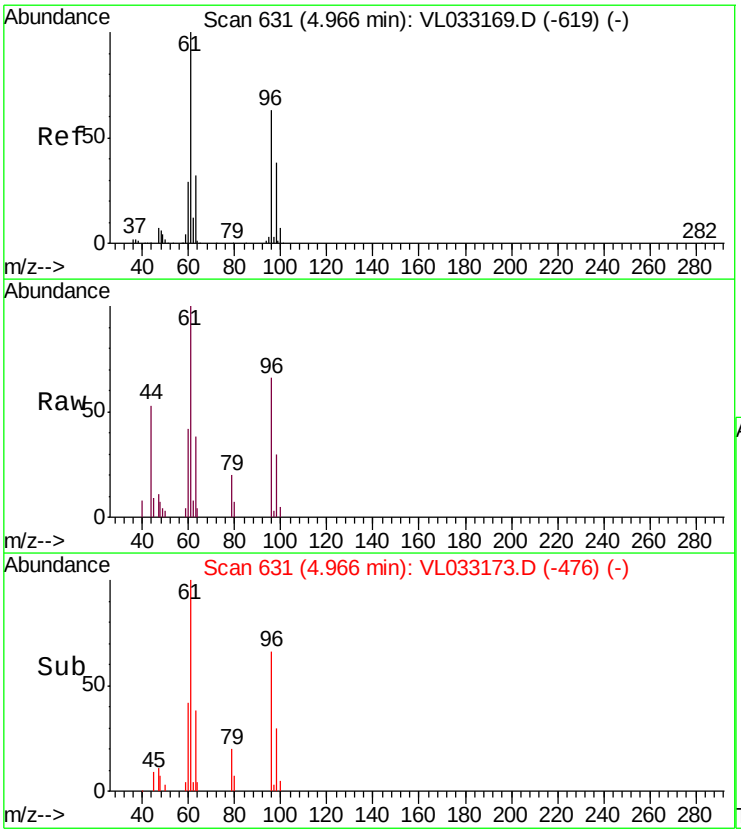
#21
Allyl Chloride
Concen: 0.055 ppbv
RT: 4.47 min Scan# 478
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 41 Resp: 3947

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.5	36.7#
39	198.8	64.1	96.1#

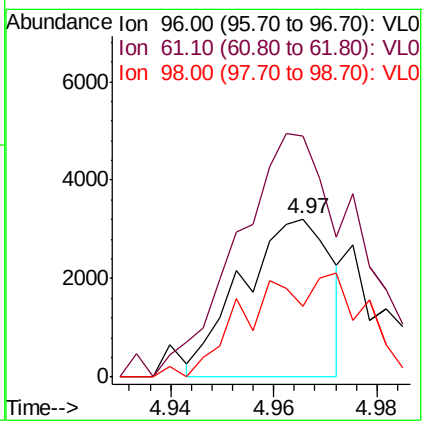


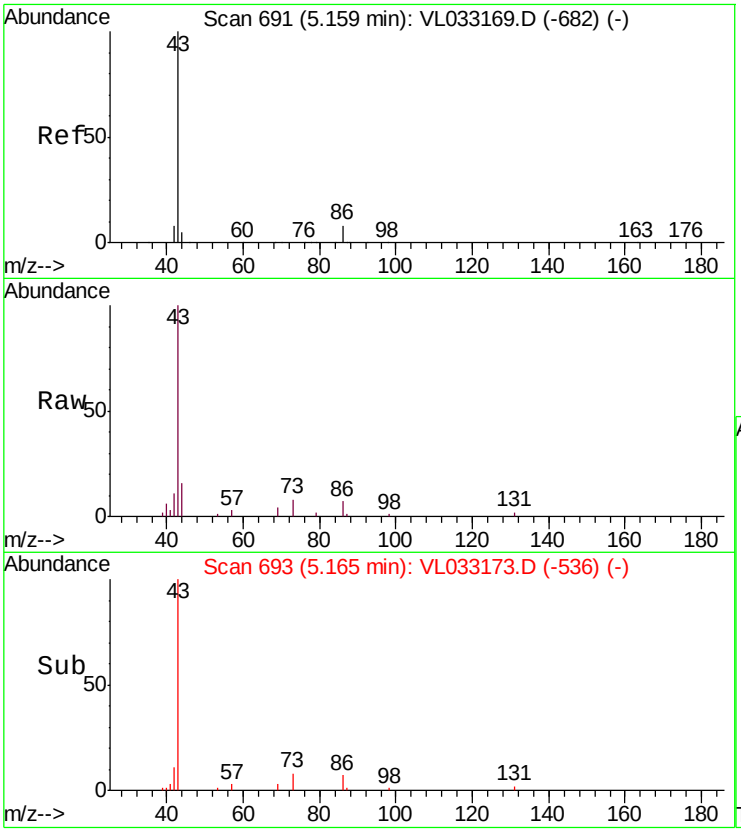


#22
trans-1,2-Dichloroethene
Concen: 0.085 ppbv
RT: 4.97 min Scan# 631
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion: 96 Resp: 3832

Ion	Ratio	Lower	Upper
96	100		
61	140.9	126.4	189.6
98	48.8	48.4	72.6



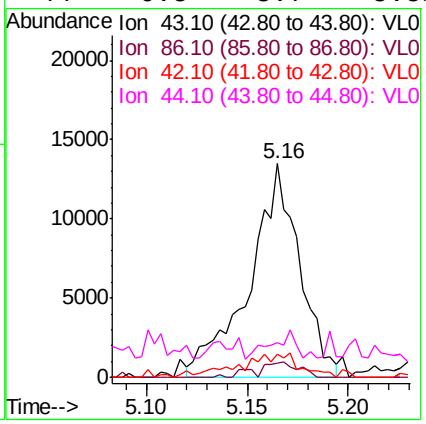


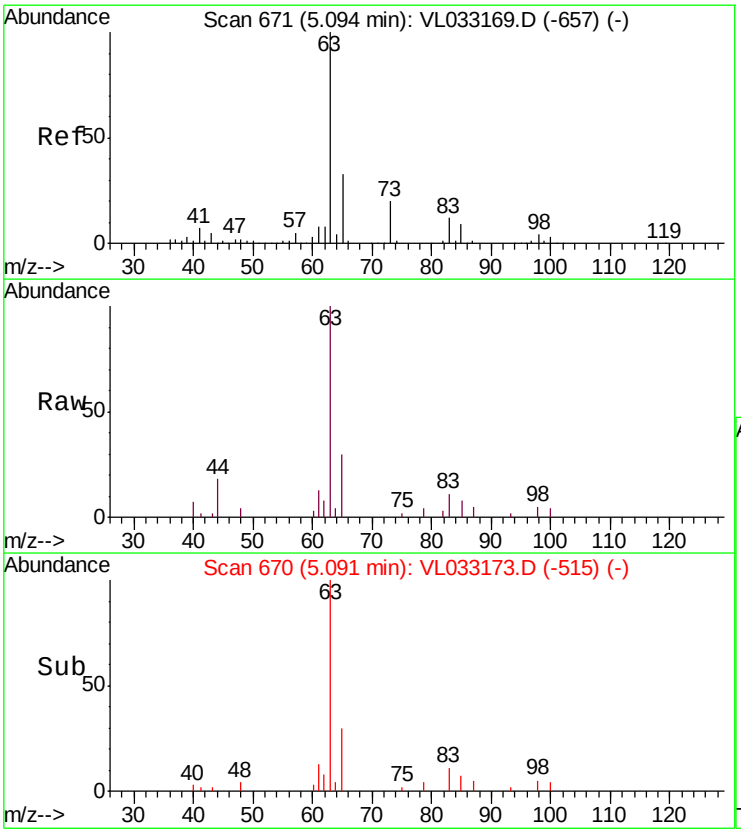
#23
Vinyl Acetate
Concen: 0.123 ppbv
RT: 5.16 min Scan# 693
Delta R.T. 0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 43 Resp: 23245

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.8	8.8
42	11.1	7.4	11.0#
44	6.5	3.7	5.5#

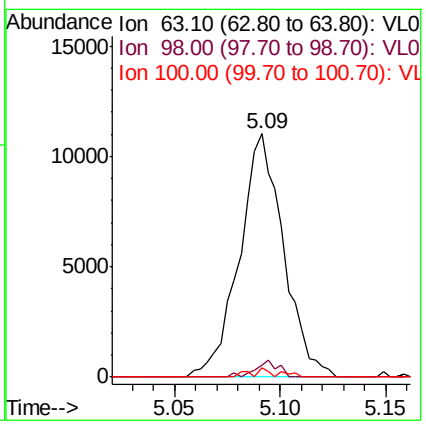


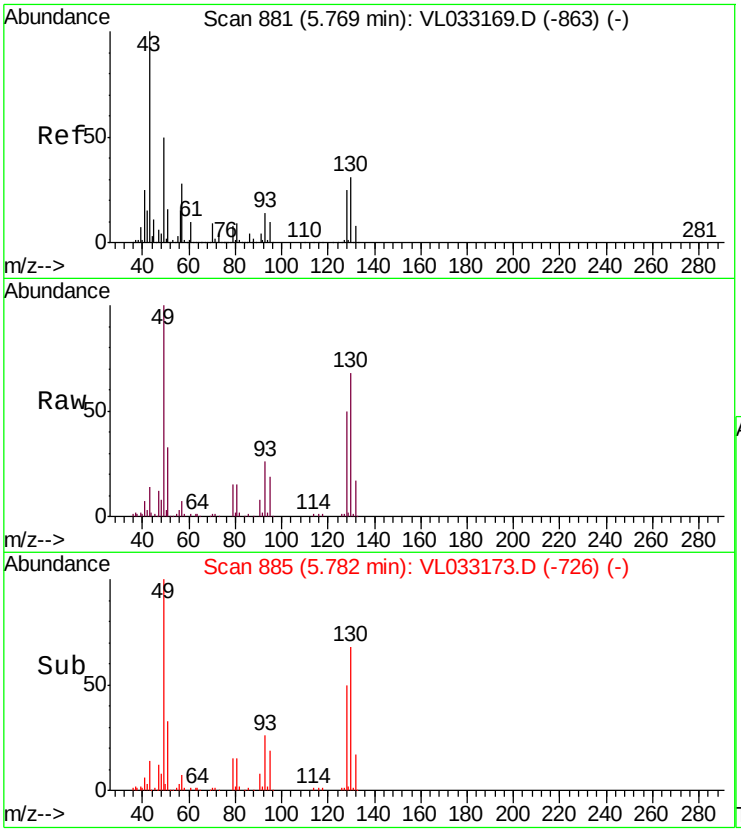


#24
1,1-Dichloroethane
Concen: 0.120 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion: 63 Resp: 16051

Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.5
100	4.0	1.4	4.2



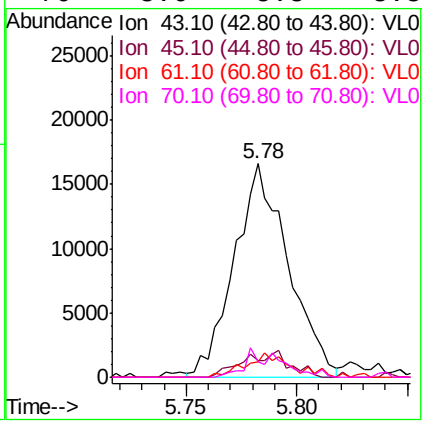


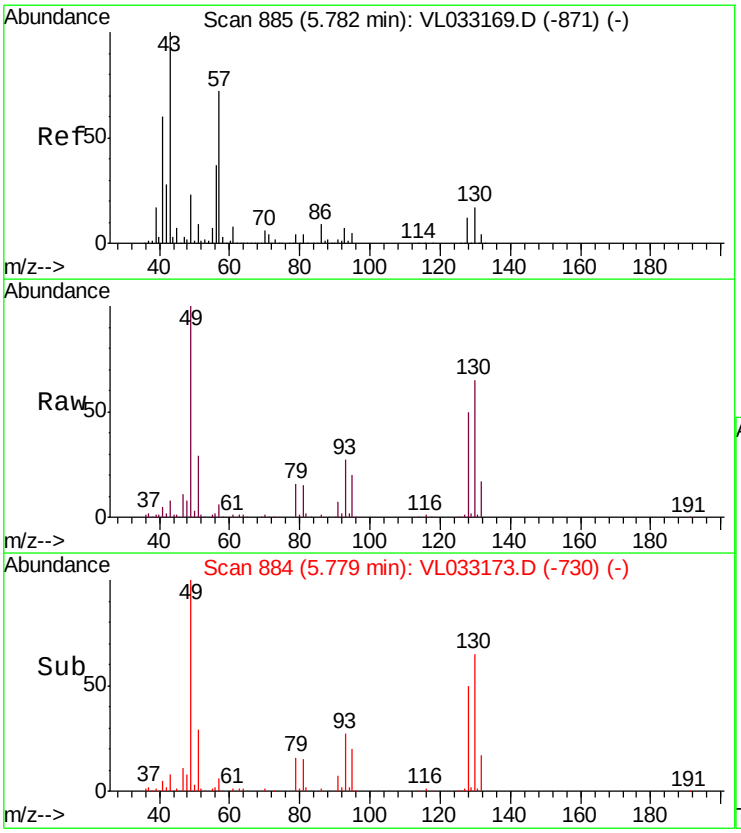
#25
Ethyl Acetate
Concen: 0.115 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 43 Resp: 28293

Ion	Ratio	Lower	Upper
43	100		
45	10.7	7.9	11.9
61	10.0	7.5	11.3
70	8.6	5.8	8.8

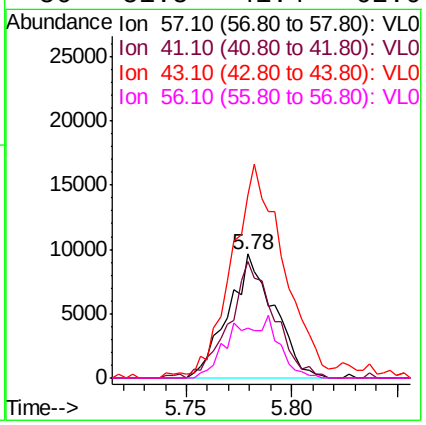


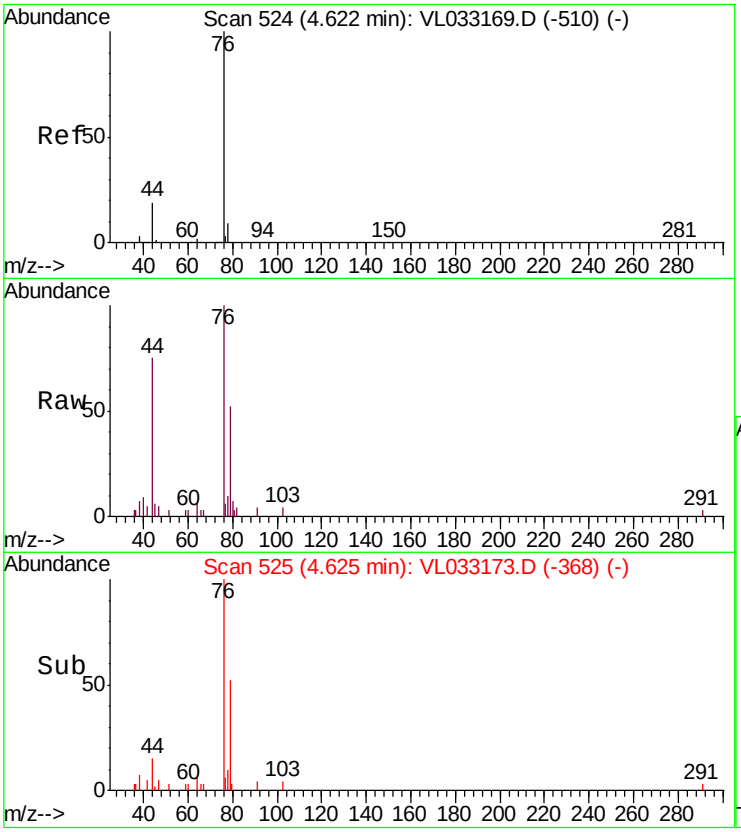


#26
Hexane
Concen: 0.127 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion: 57 Resp: 14662

Ion	Ratio	Lower	Upper
57	100		
41	91.0	69.4	104.2
43	206.2	176.7	265.1
56	51.5	41.4	62.0



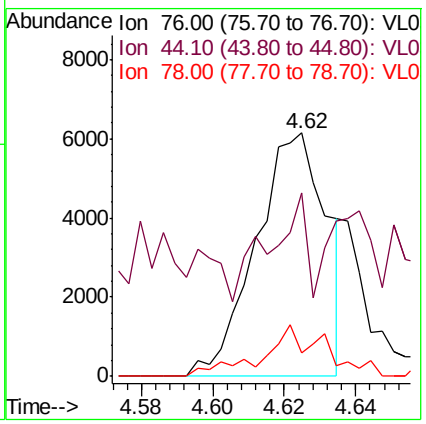


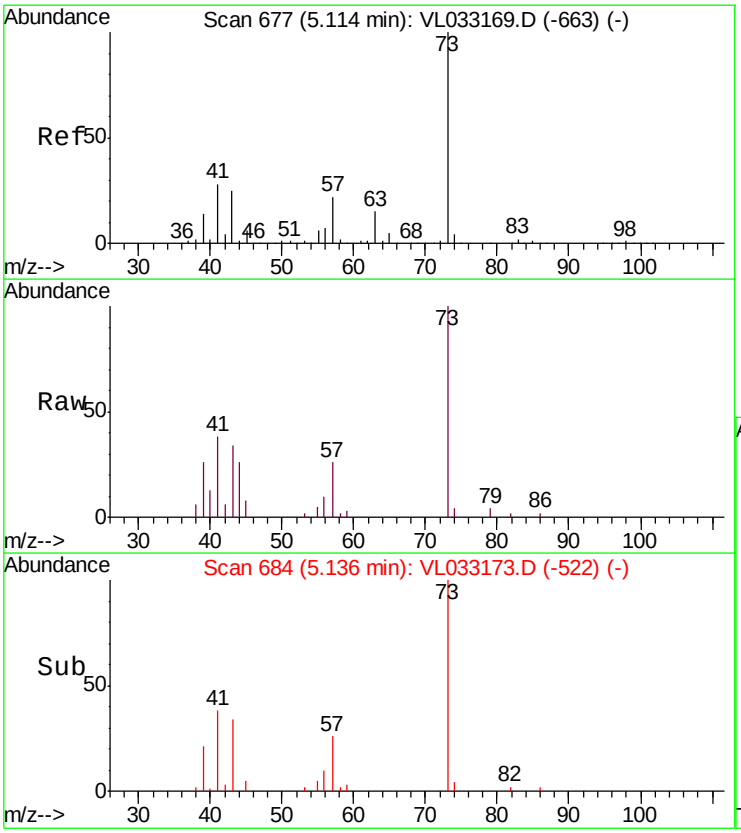
#27
Carbon Disulfide
Concen: 0.080 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 76 Resp: 8408

Ion	Ratio	Lower	Upper
76	100		
44	111.9	15.0	22.4#
78	18.5	7.4	11.0#

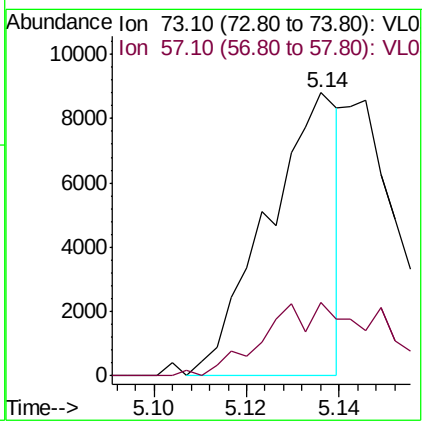


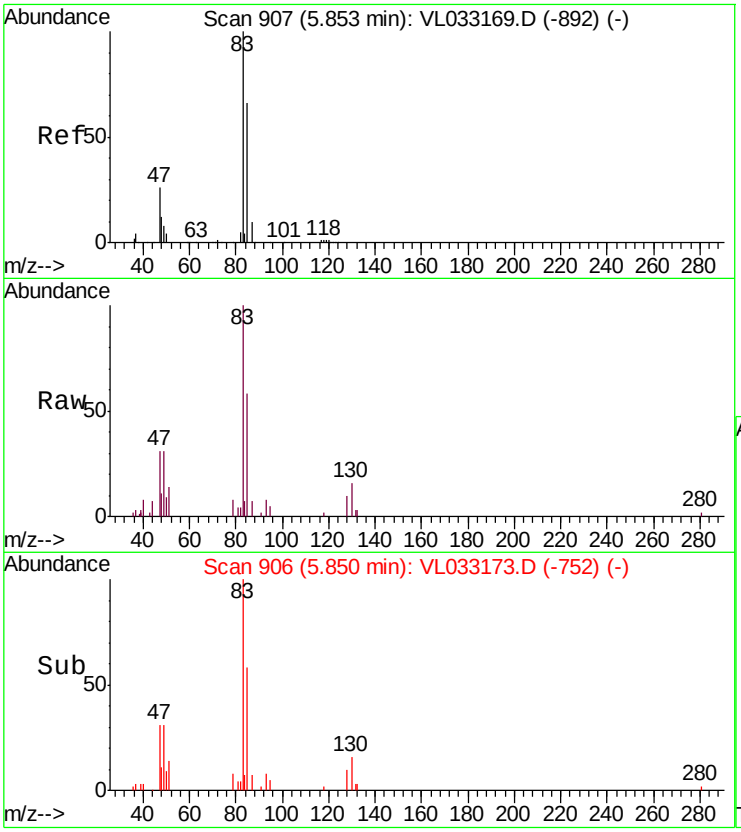


#28
Methyl tert-Butyl Ether
Concen: 0.060 ppbv
RT: 5.14 min Scan# 684
Delta R.T. 0.02 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion: 73 Resp: 9403

Ion	Ratio	Lower	Upper
73	100		
57	43.8	17.9	26.9#



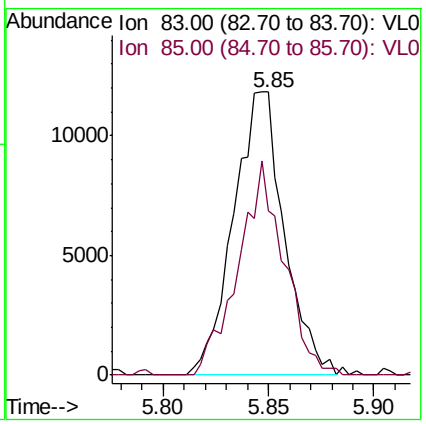


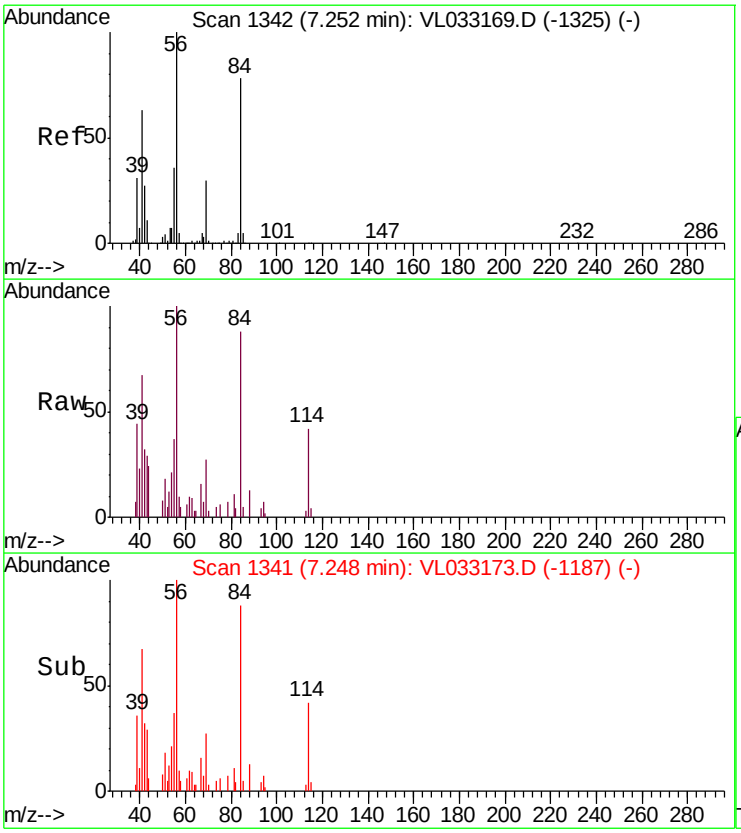
#29
Chloroform
Concen: 0.112 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 83 Resp: 19821

Ion	Ratio	Lower	Upper
83	100		
85	58.1	52.6	78.8

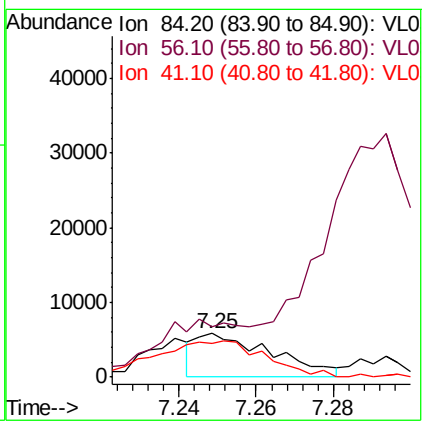


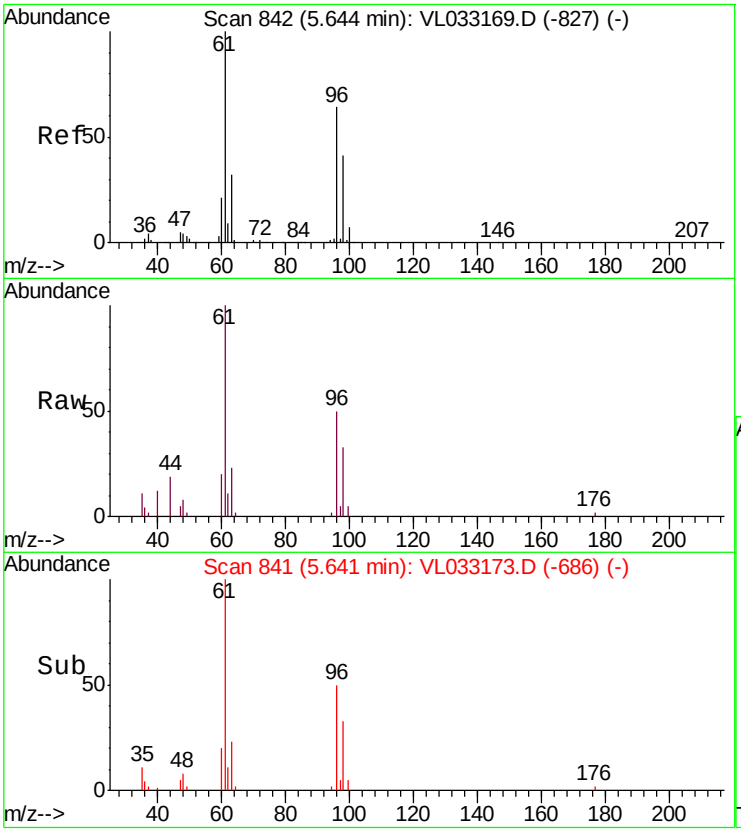


#30
Cyclohexane
Concen: 0.074 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion: 84 Resp: 7905

Ion	Ratio	Lower	Upper
84	100		
56	0.0	109.5	164.3#
41	129.4	66.6	100.0#



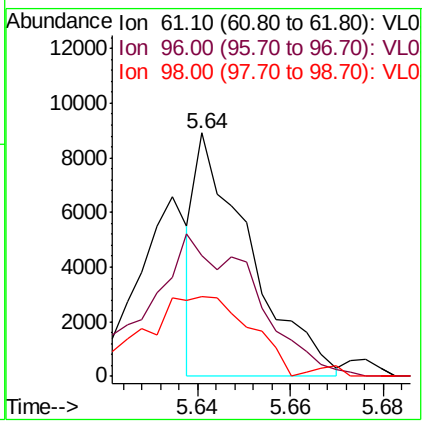


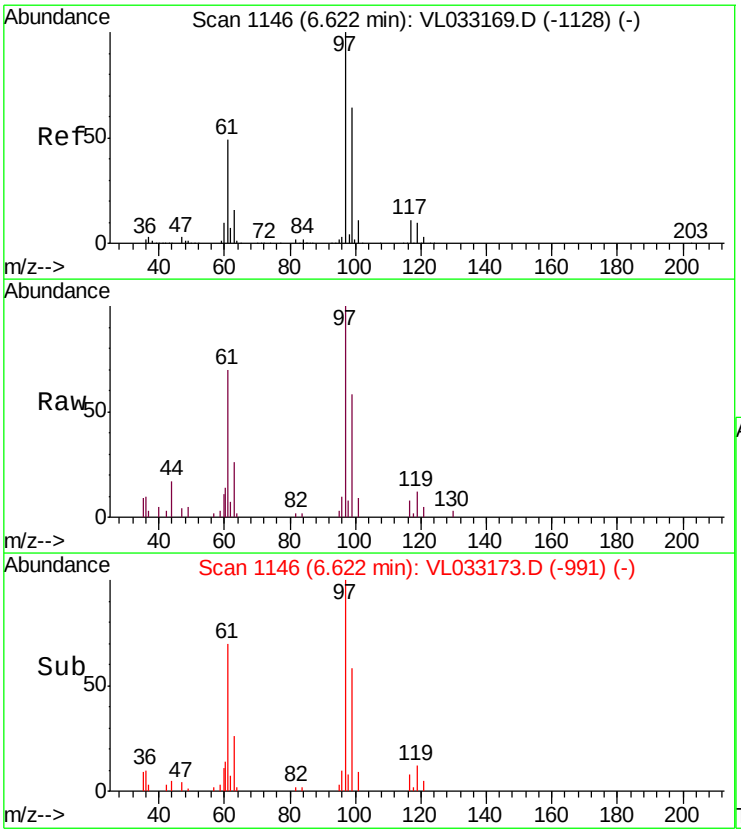
#31
cis-1,2-Dichloroethene
Concen: 0.062 ppbv
RT: 5.64 min Scan# 841
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 61 Resp: 7192

Ion	Ratio	Lower	Upper
61	100		
96	48.2	51.2	76.8#
98	29.9	32.8	49.2#

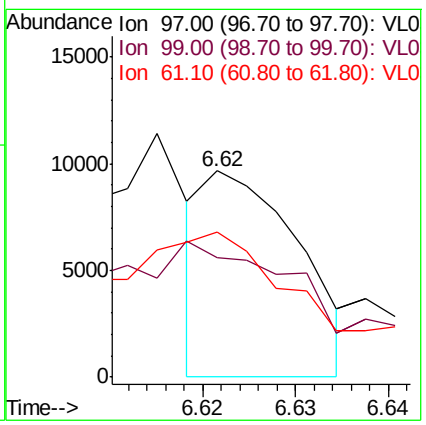


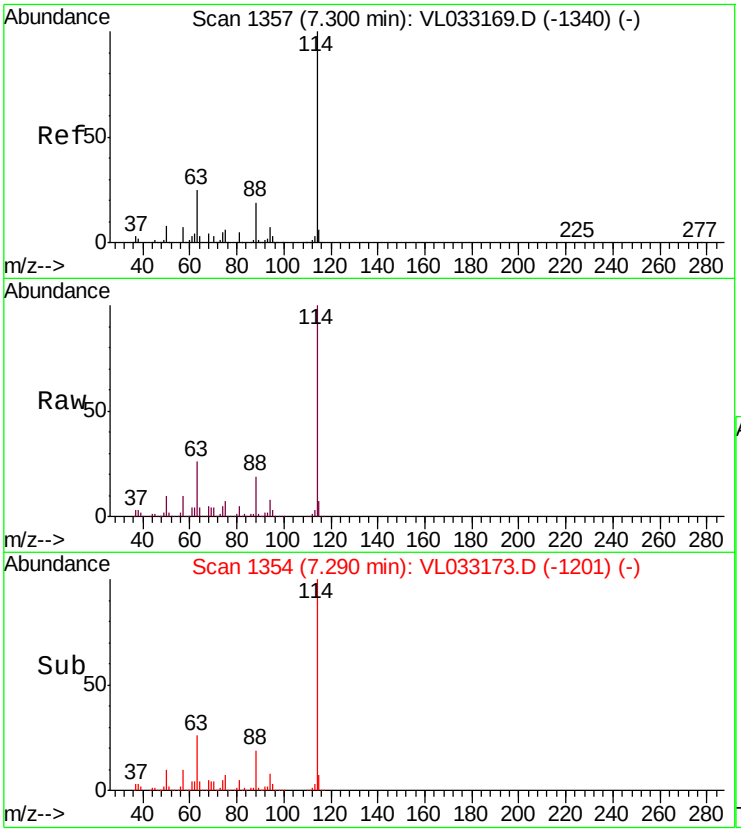


#32
1,1,1-Trichloroethane
Concen: 0.035 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion: 97 Resp: 6825

Ion	Ratio	Lower	Upper
97	100		
99	174.2	51.4	77.2#
61	171.5	38.8	58.2#



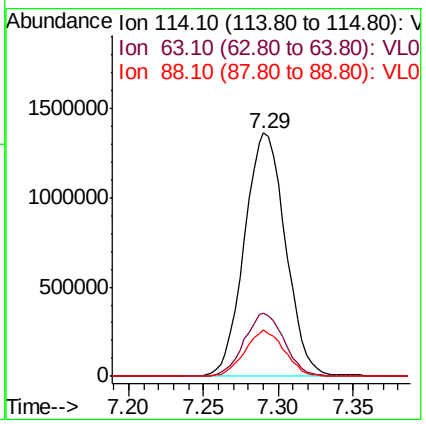


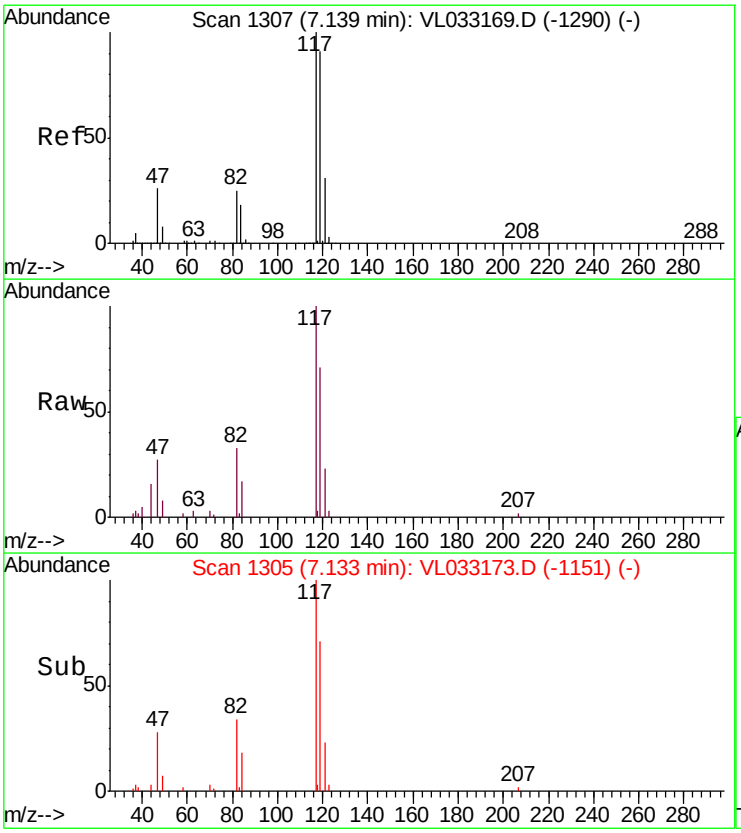
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:114 Resp: 2608690

Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.8	31.2
88	18.3	14.6	22.0

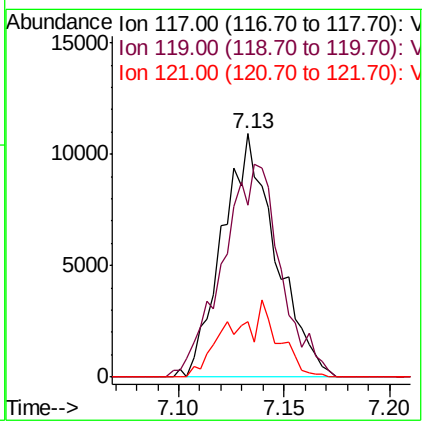


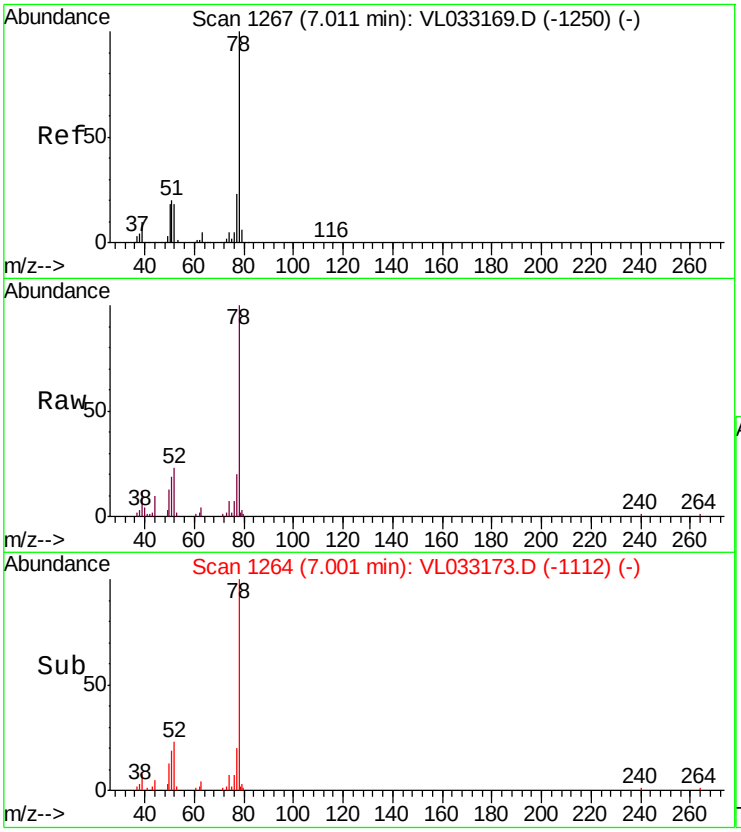


#35
Carbon Tetrachloride
Concen: 0.096 ppbv
RT: 7.13 min Scan# 1305
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion:117 Resp: 19123

Ion	Ratio	Lower	Upper
117	100		
119	68.7	73.0	109.6#
121	22.0	25.1	37.7#



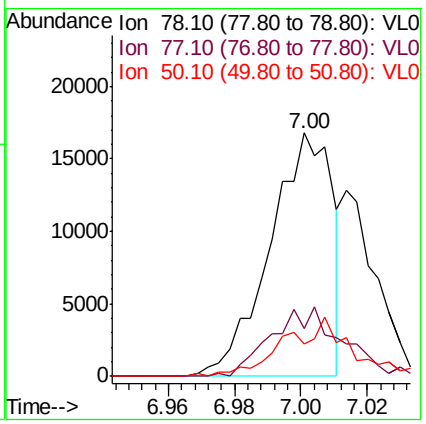


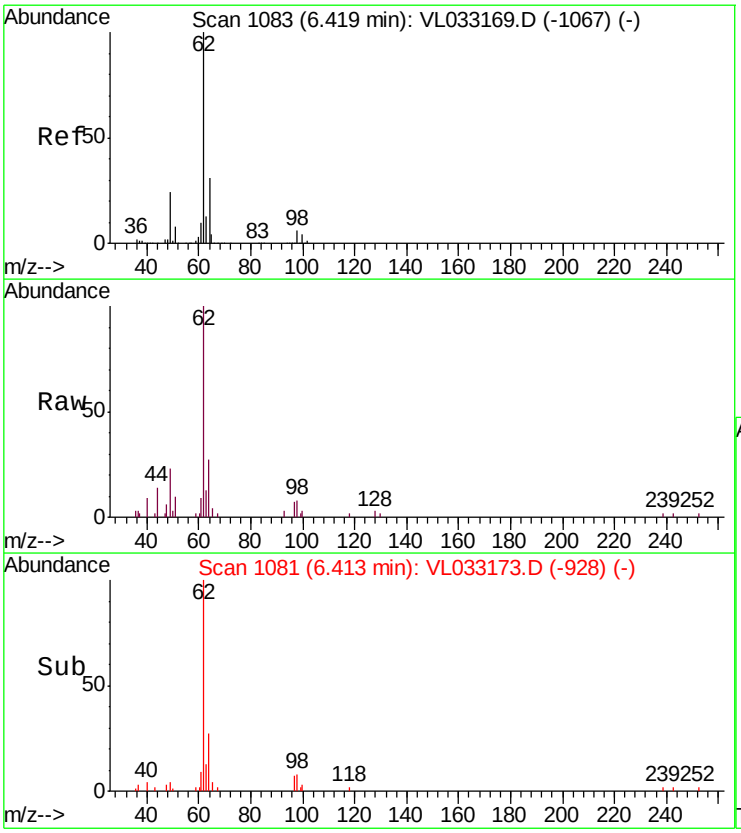
#36
Benzene
Concen: 0.083 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 78 Resp: 22069

Ion	Ratio	Lower	Upper
78	100		
77	19.3	18.0	27.0
50	12.9	14.2	21.2#

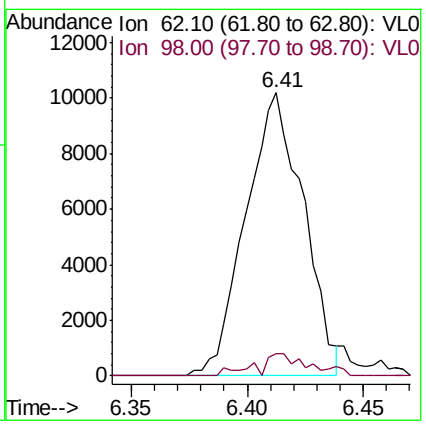


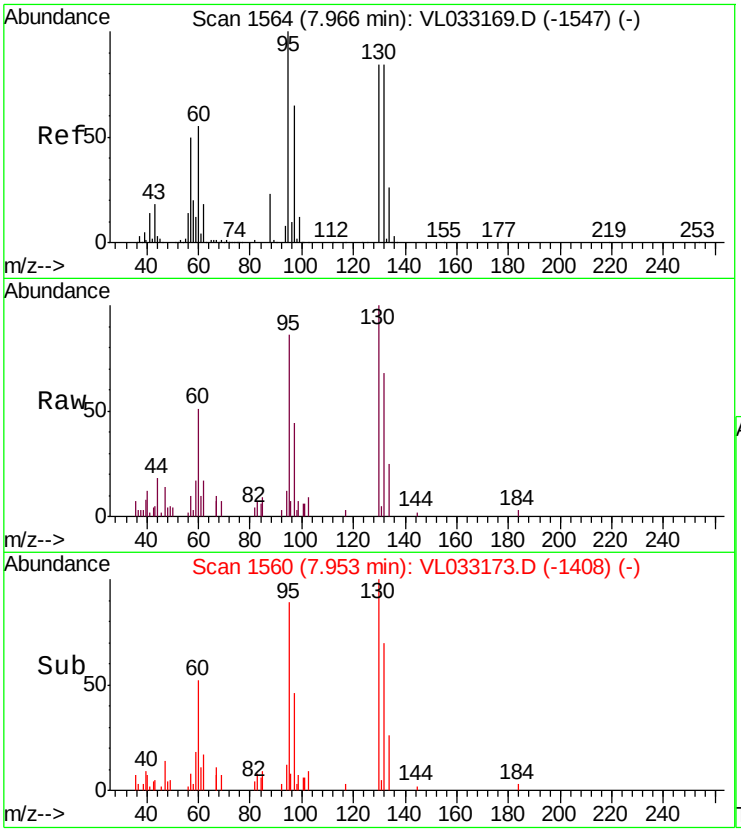


#37
1,2-Dichloroethane
Concen: 0.120 ppbv
RT: 6.41 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion: 62 Resp: 17644

Ion	Ratio	Lower	Upper
62	100		
98	7.1	4.7	7.1#



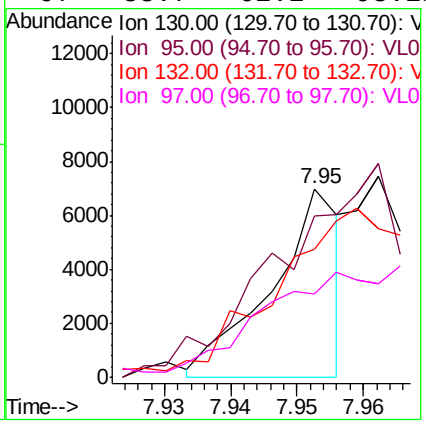


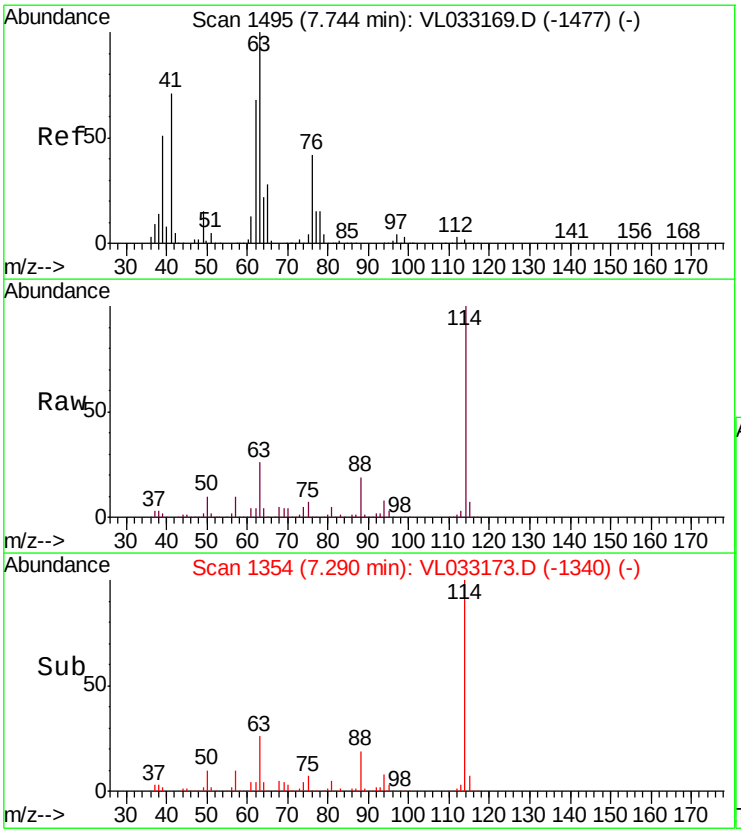
#38
Trichloroethene
Concen: 0.044 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion:130 Resp: 5010

Ion	Ratio	Lower	Upper
130	100		
95	66.9	95.5	143.3#
132	61.6	80.0	120.0#
97	38.7	62.2	93.2#

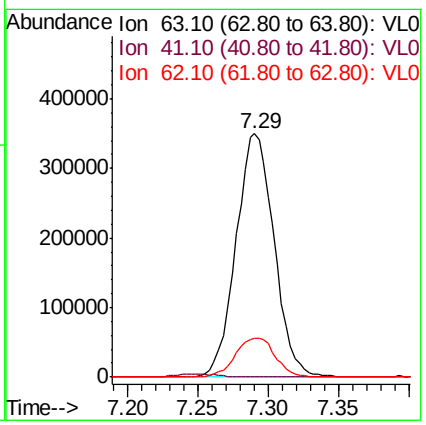


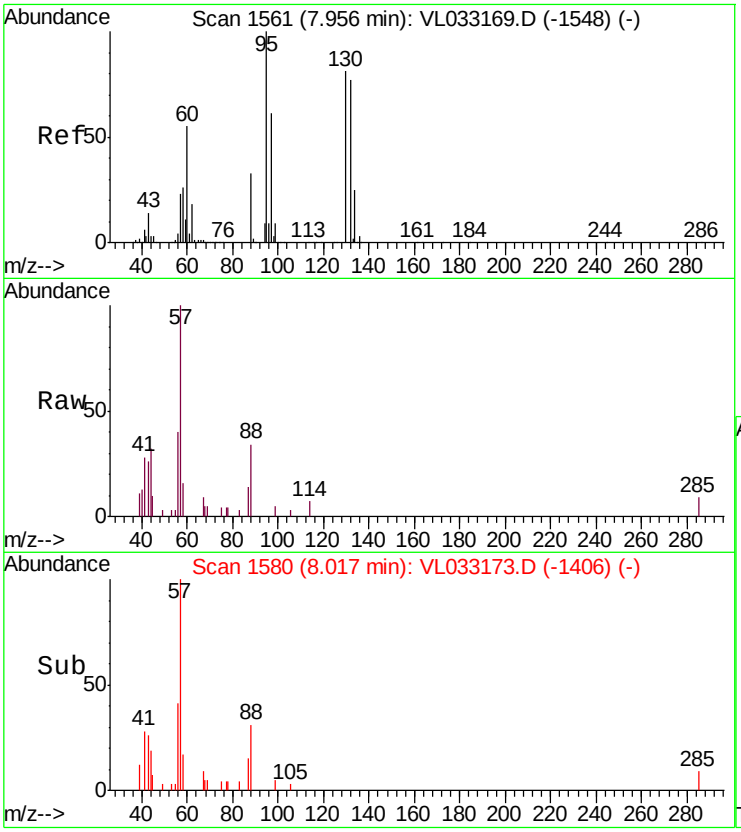


#39
1,2-Dichloropropane
Concen: 6.323 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.45 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion: 63 Resp: 660232

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.4	84.6#
62	15.7	54.2	81.4#



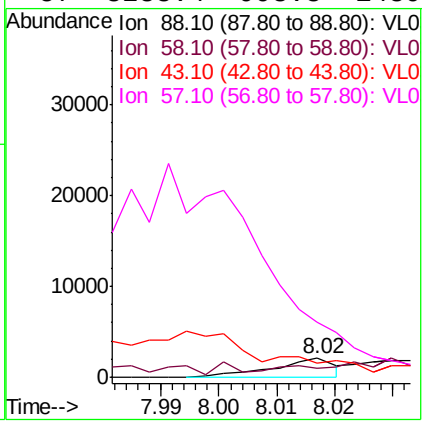


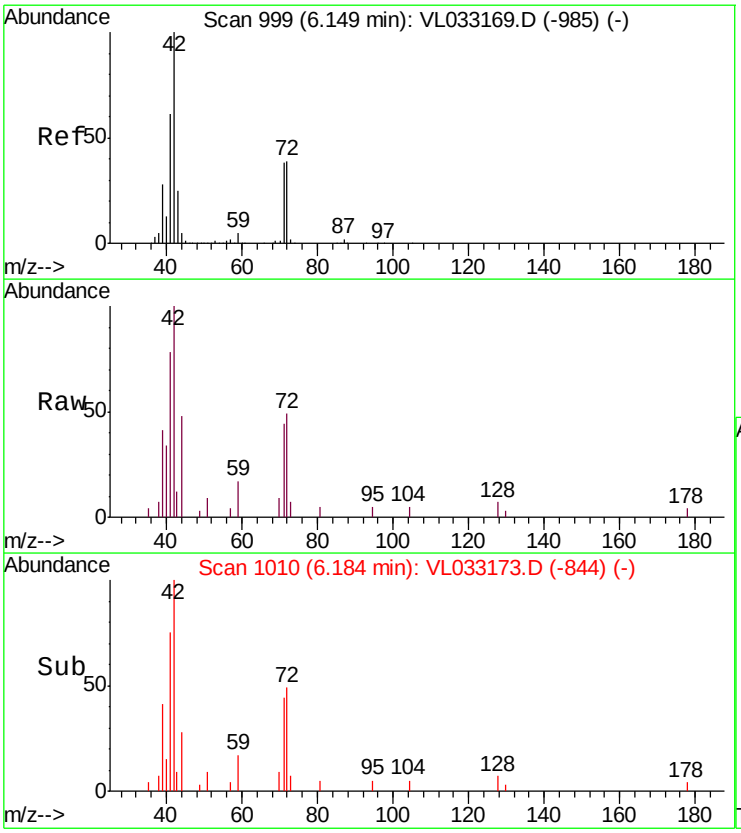
#40
1,4-Dioxane
Concen: 0.041 ppbv
RT: 8.02 min Scan# 1580
Delta R.T. 0.06 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion: 88 Resp: 1549

Ion	Ratio	Lower	Upper
88	100		
58	139.1	106.4	159.6
43	796.8	219.6	329.4#
57	3283.4	993.3	1489.9#

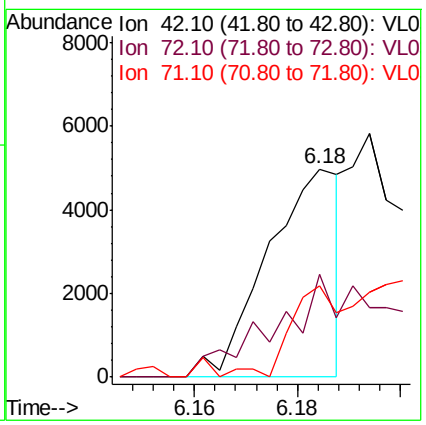


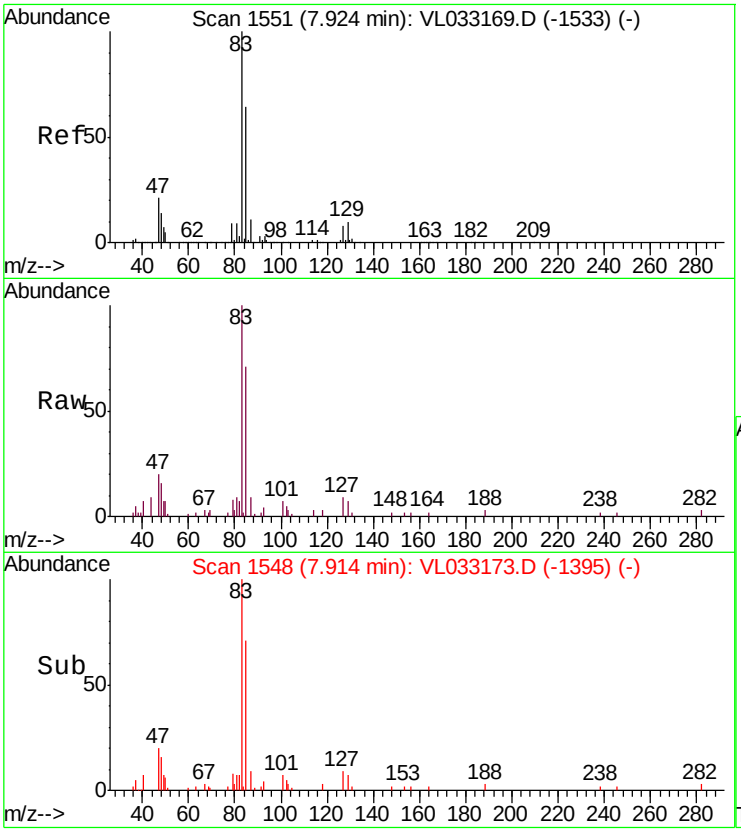


#41
Tetrahydrofuran
Concen: 0.047 ppbv
RT: 6.18 min Scan# 1010
Delta R.T. 0.04 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion: 42 Resp: 4848

Ion	Ratio	Lower	Upper
42	100		
72	94.6	31.4	47.2#
71	0.0	30.2	45.2#



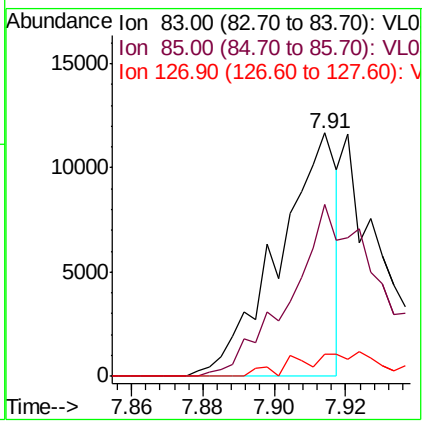


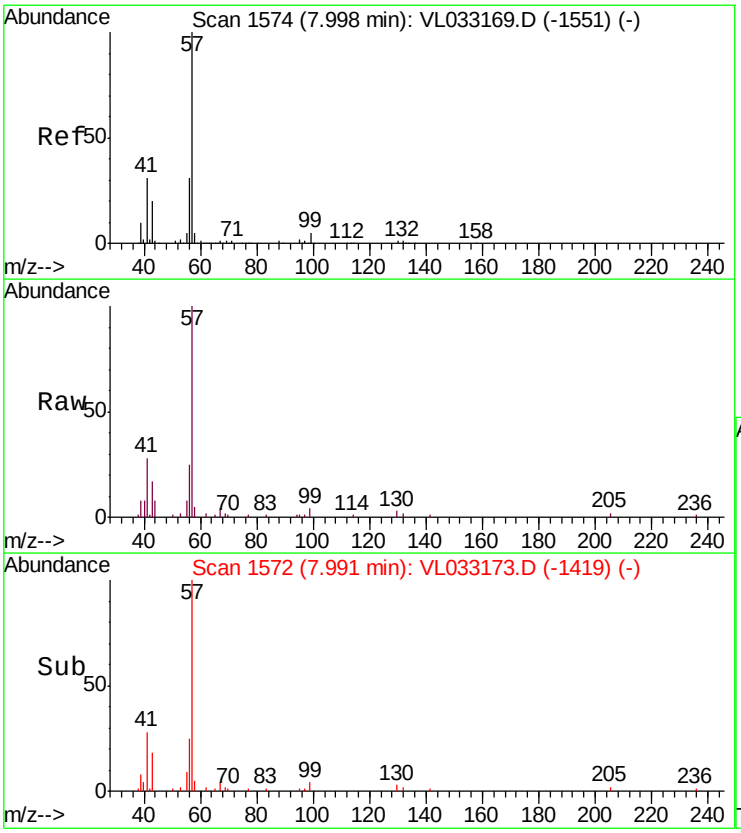
#42
Bromodichloromethane
Concen: 0.063 ppbv
RT: 7.91 min Scan# 1548
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 83 Resp: 13276

Ion	Ratio	Lower	Upper
83	100		
85	70.8	51.1	76.7
127	9.1	6.4	9.6

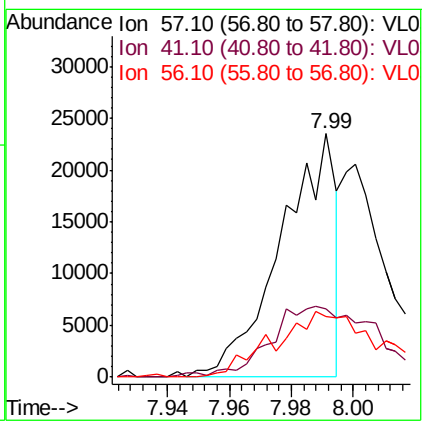


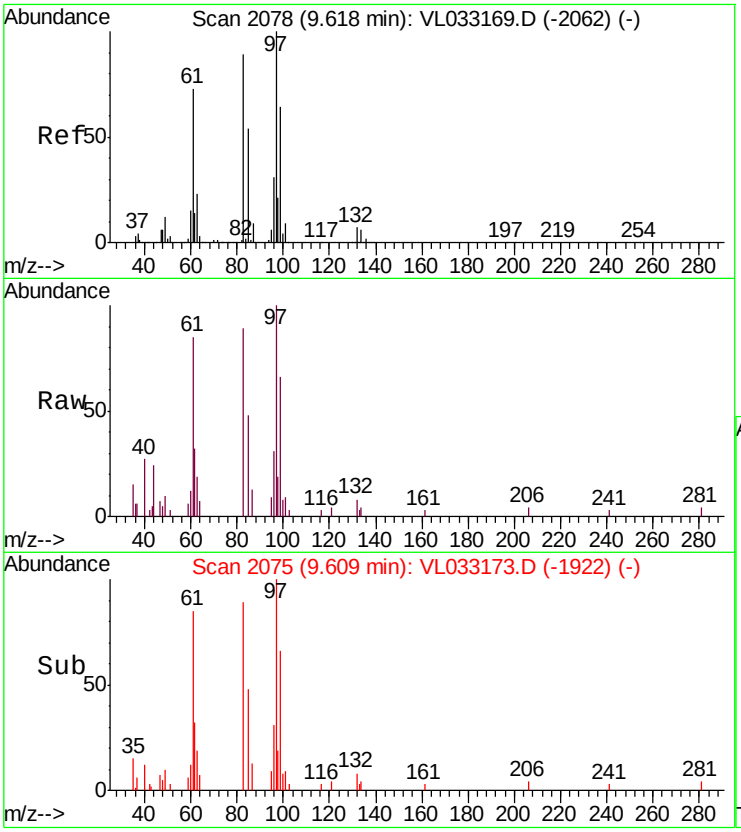


#44
2,2,4-Trimethylpentane
Concen: 0.065 ppbv
RT: 7.99 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion: 57 Resp: 29073

Ion	Ratio	Lower	Upper
57	100		
41	57.2	25.2	37.8#
56	50.3	24.5	36.7#



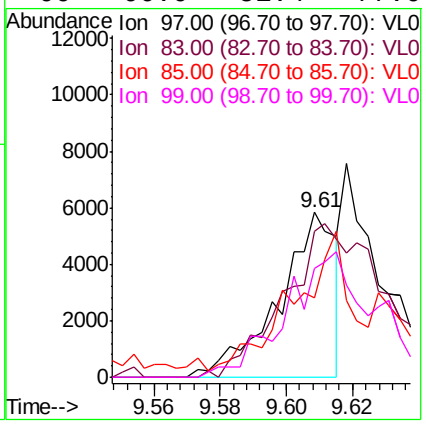


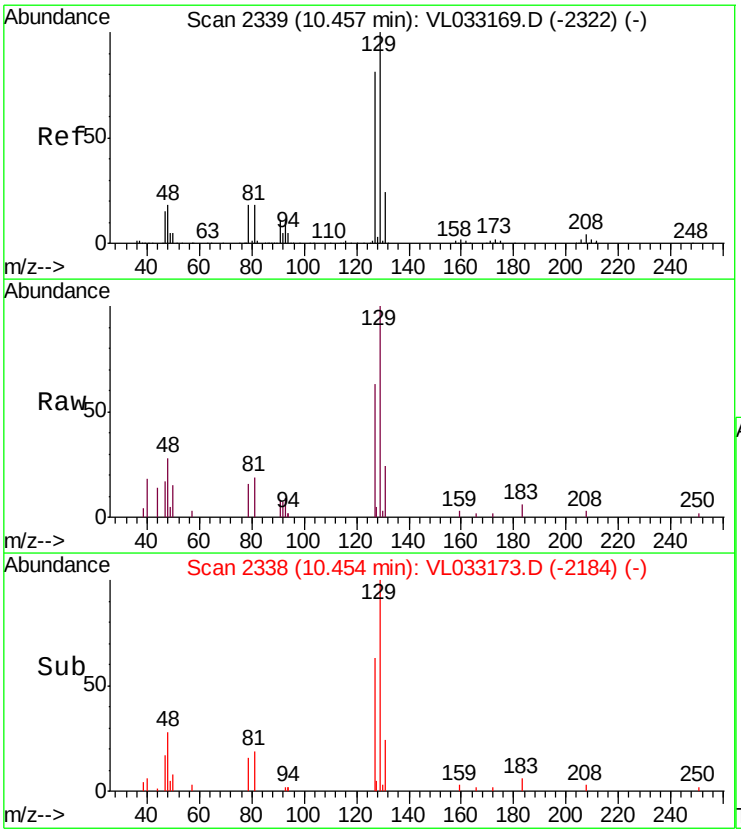
#47
1,1,2-Trichloroethane
Concen: 0.064 ppbv
RT: 9.61 min Scan# 2075
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 97 Resp: 6927

Ion	Ratio	Lower	Upper
97	100		
83	89.1	71.4	107.2
85	41.8	43.5	65.3#
99	66.0	51.4	77.0

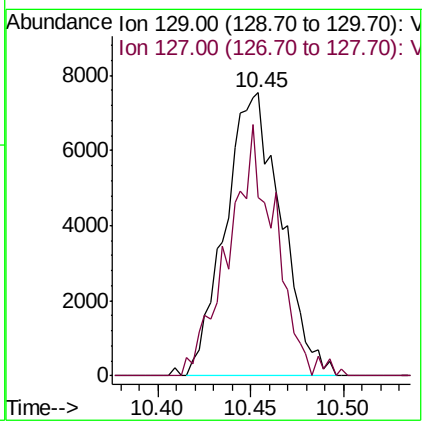


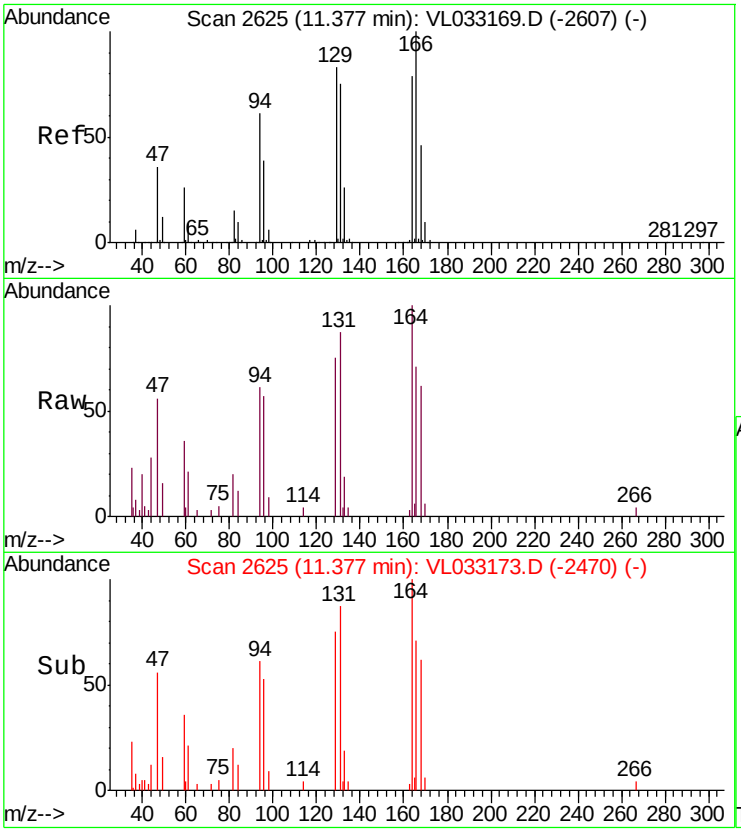


#48
Dibromochloromethane
Concen: 0.093 ppbv
RT: 10.45 min Scan# 2338
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion:129 Resp: 15834

Ion	Ratio	Lower	Upper
129	100		
127	74.6	39.1	117.3



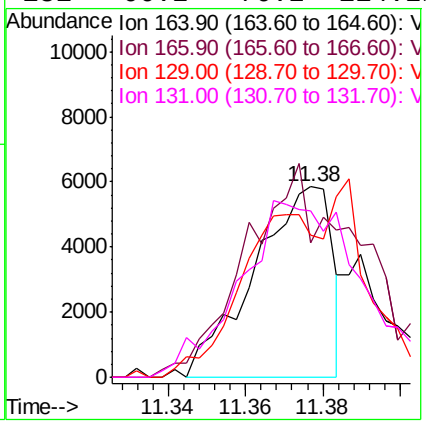


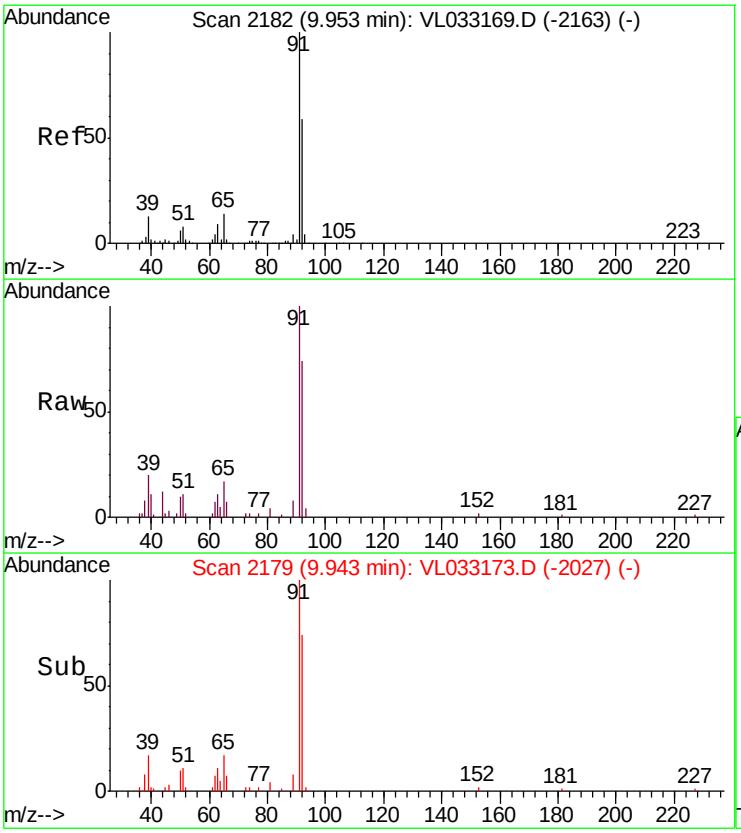
#52
Tetrachloroethene
Concen: 0.081 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:164 Resp: 8186

Ion	Ratio	Lower	Upper
164	100		
166	63.5	100.9	151.3#
129	63.9	83.9	125.9#
131	66.2	76.2	114.2#

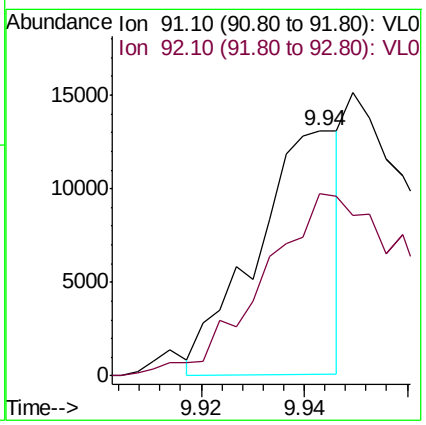


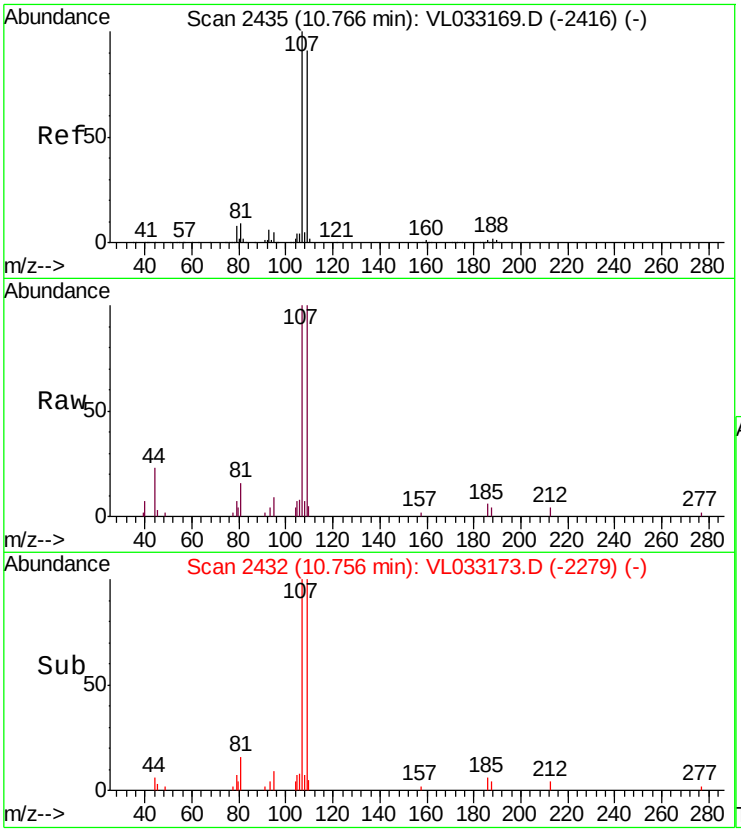


#53
Toluene
Concen: 0.047 ppbv
RT: 9.94 min Scan# 2179
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion: 91 Resp: 14653

Ion	Ratio	Lower	Upper
91	100		
92	134.4	48.0	72.0#



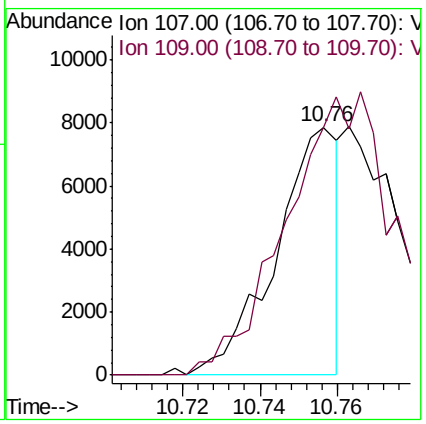


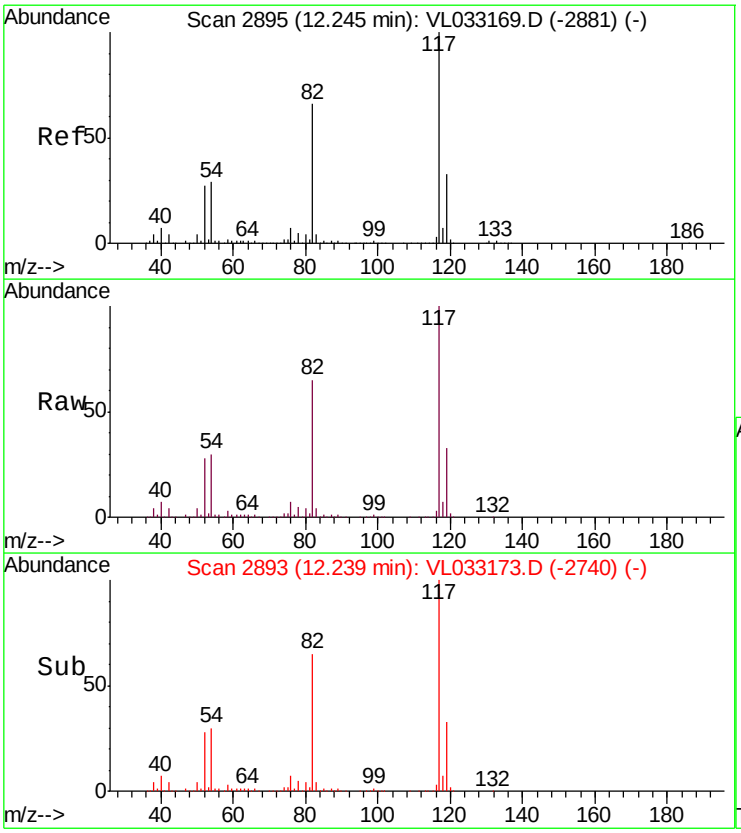
#54
1,2-Dibromoethane
Concen: 0.052 ppbv
RT: 10.76 min Scan# 2432
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:107 Resp: 8783

Ion	Ratio	Lower	Upper
107	100		
109	93.8	73.2	109.8

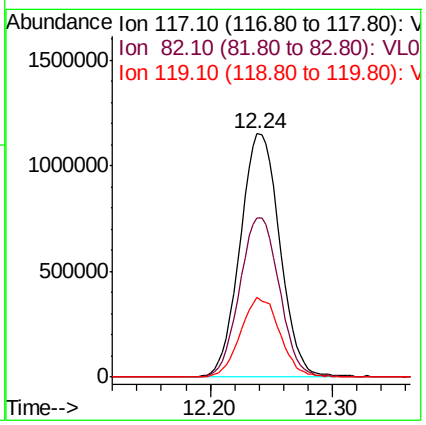


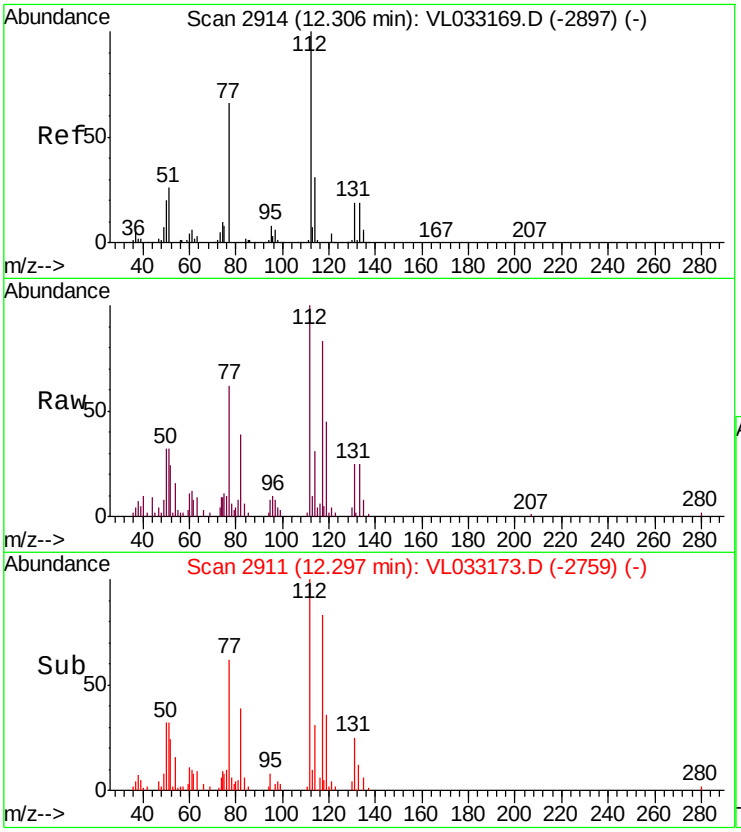


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion:117 Resp: 2587316

Ion	Ratio	Lower	Upper
117	100		
82	65.9	53.8	80.8
119	32.6	46.9	70.3#



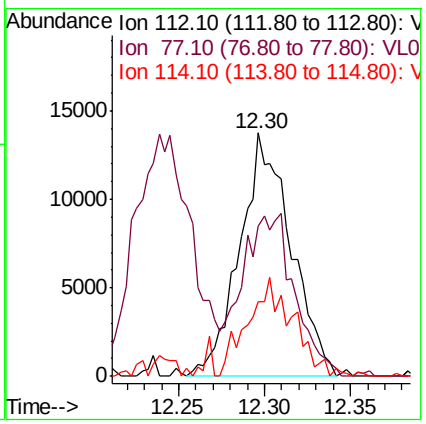


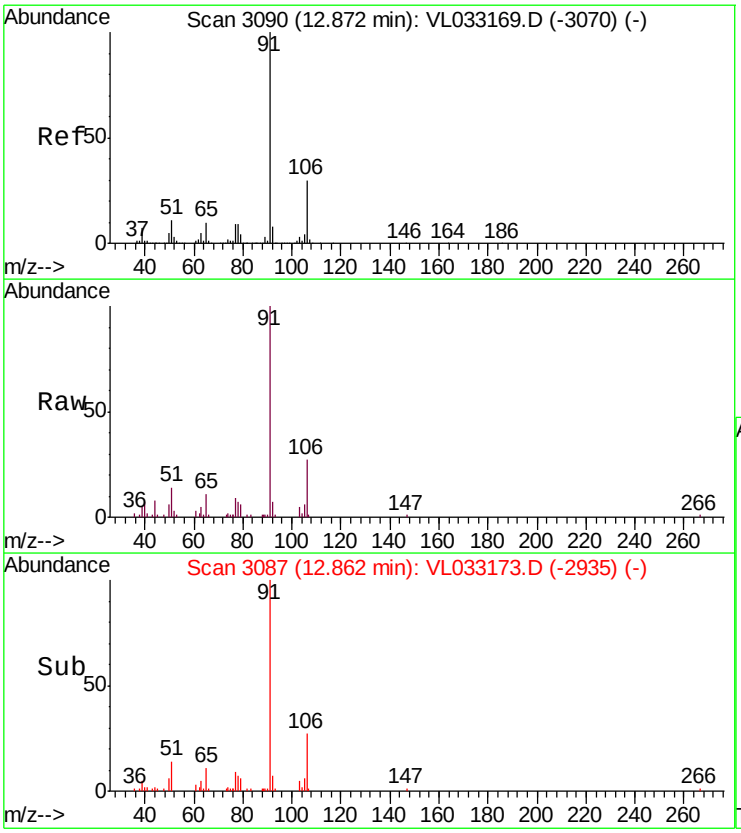
#57
Chlorobenzene
Concen: 0.124 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:112 Resp: 28316

Ion	Ratio	Lower	Upper
112	100		
77	57.0	54.0	81.0
114	27.5	27.9	34.1#

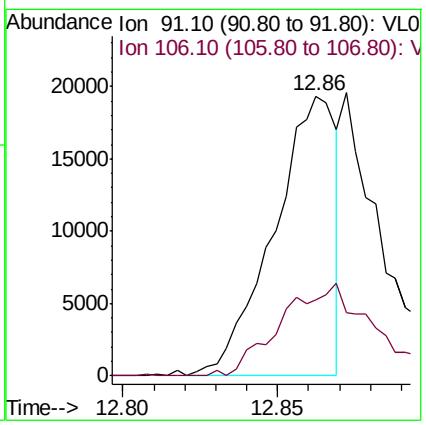


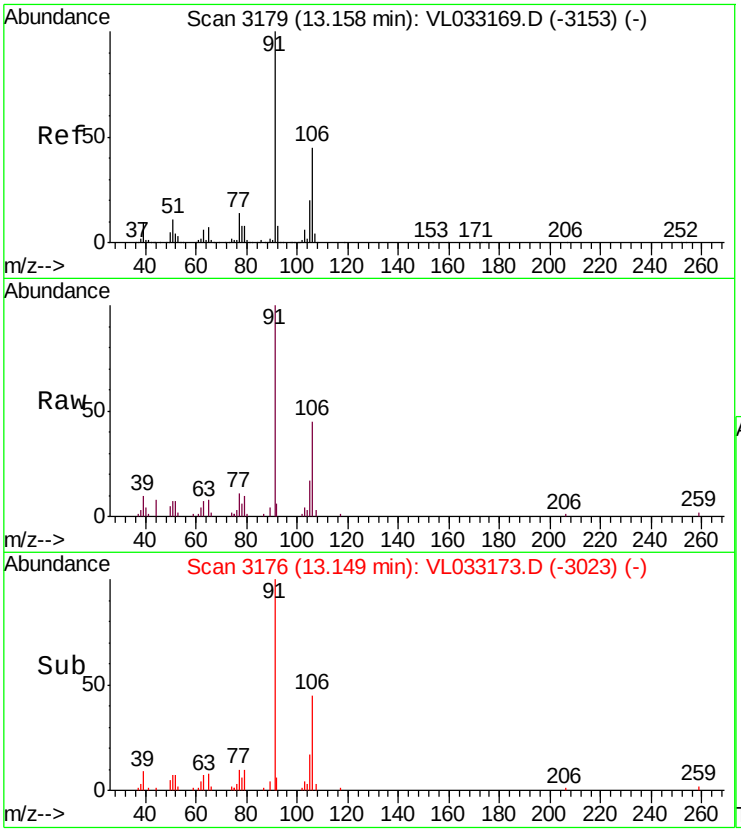


#58
Ethyl Benzene
Concen: 0.064 ppbv
RT: 12.86 min Scan# 3087
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion: 91 Resp: 27002

Ion	Ratio	Lower	Upper
91	100		
106	28.4	23.8	35.8



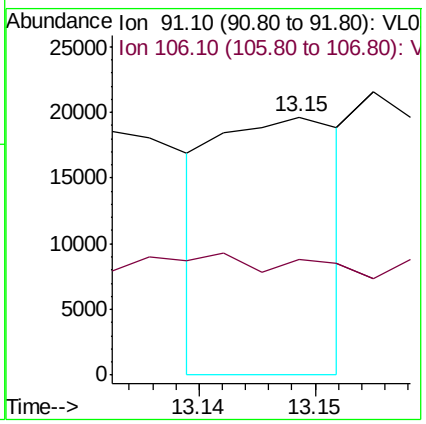


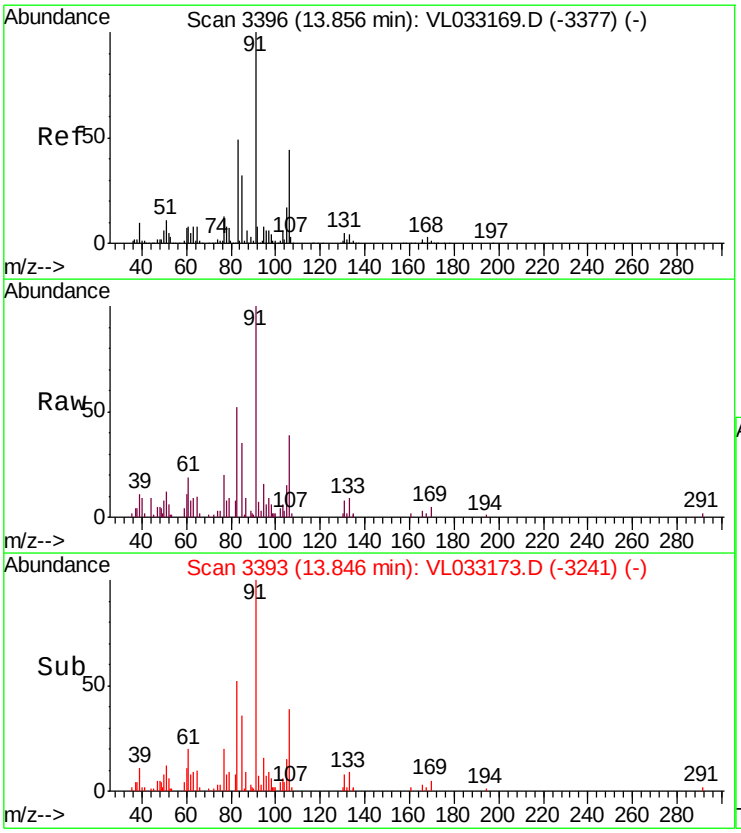
#59
m/p-Xylene
Concen: 0.041 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 14609

Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.6	55.0#

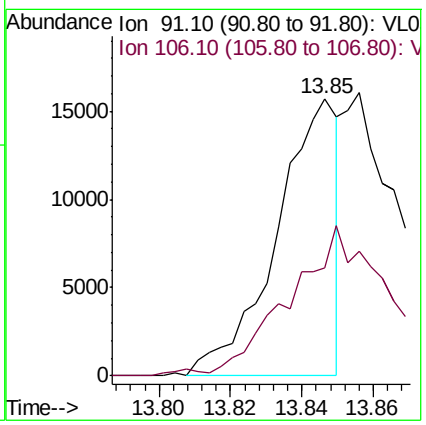


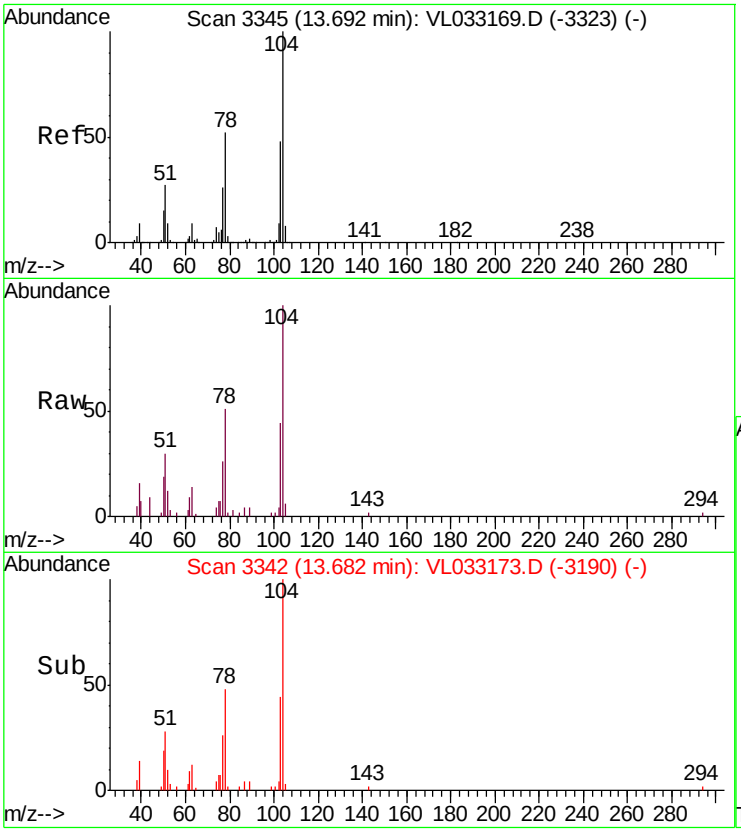


#60
o-Xylene
Concen: 0.054 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion: 91 Resp: 18700

Ion	Ratio	Lower	Upper
91	100		
106	88.7	21.8	65.3#



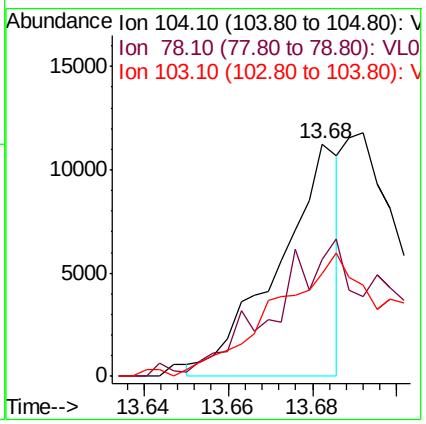


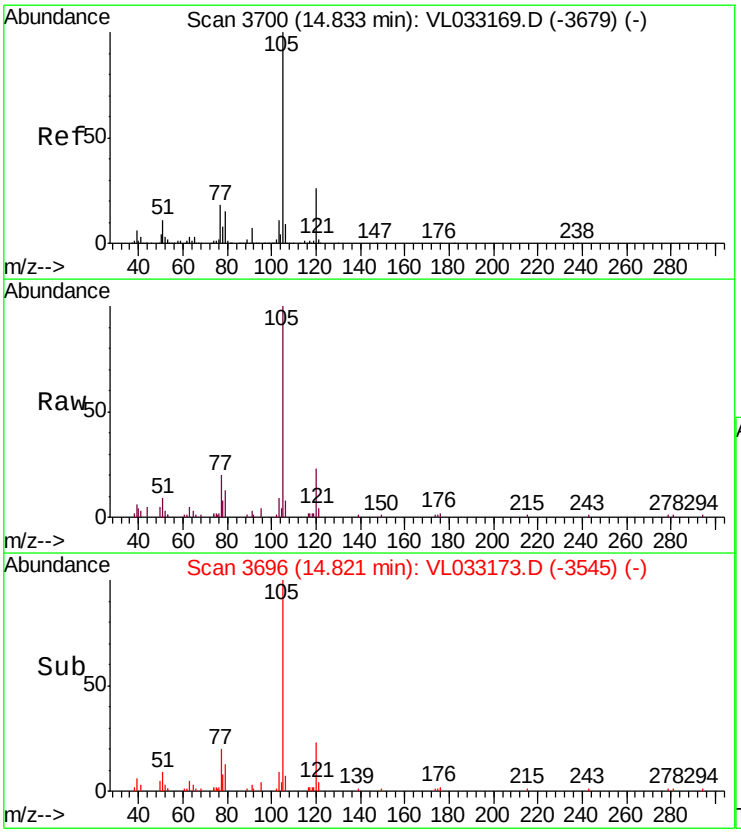
#61
Styrene
Concen: 0.043 ppbv
RT: 13.68 min Scan# 3342
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:104 Resp: 11228

Ion	Ratio	Lower	Upper
104	100		
78	118.3	41.9	62.9#
103	108.1	37.9	56.9#

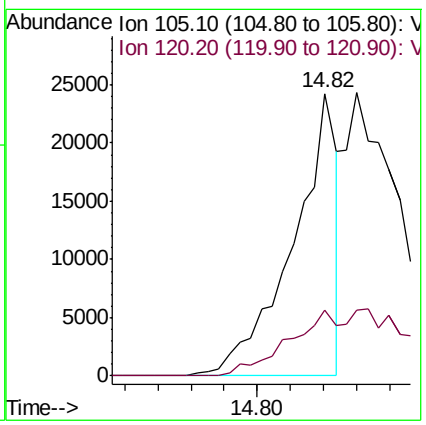


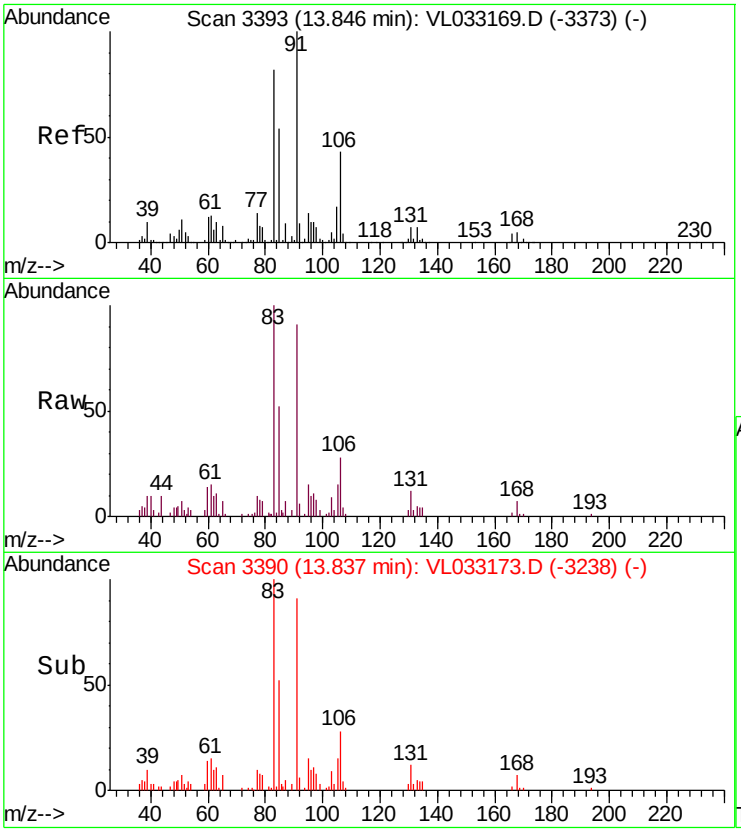


#62
Isopropylbenzene
Concen: 0.046 ppbv
RT: 14.82 min Scan# 3696
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion:105 Resp: 22392

Ion	Ratio	Lower	Upper
105	100		
120	0.0	20.3	30.5#



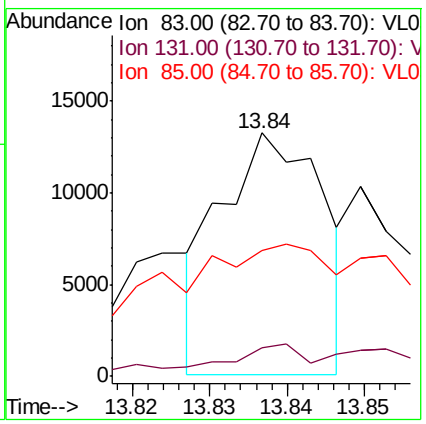


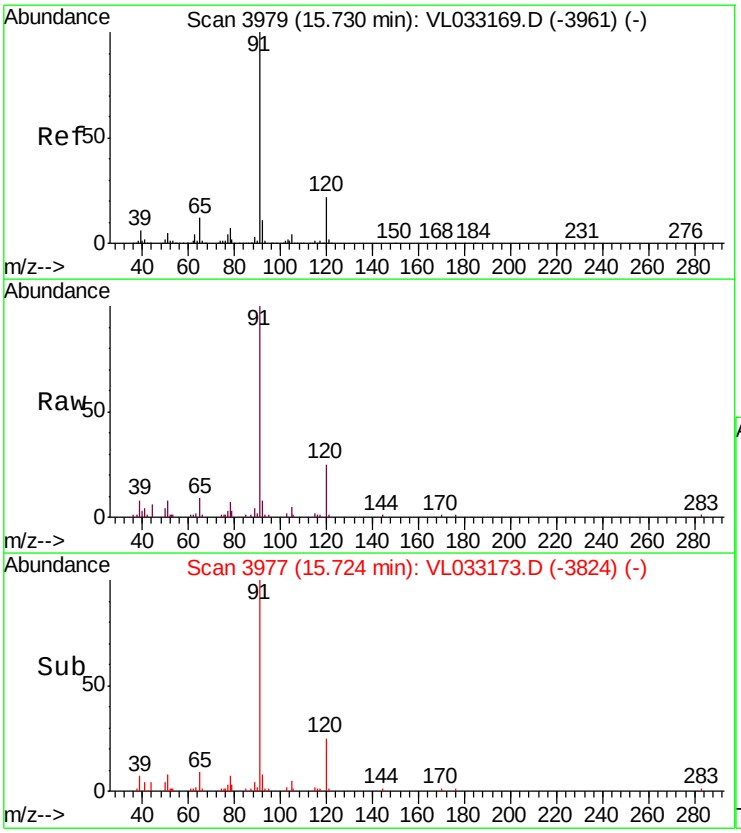
#63
1,1,2,2-Tetrachloroethane
Concen: 0.045 ppbv
RT: 13.84 min Scan# 3390
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 83 Resp: 12194

Ion	Ratio	Lower	Upper
83	100		
131	21.8	4.8	14.3#
85	154.8	32.8	98.3#

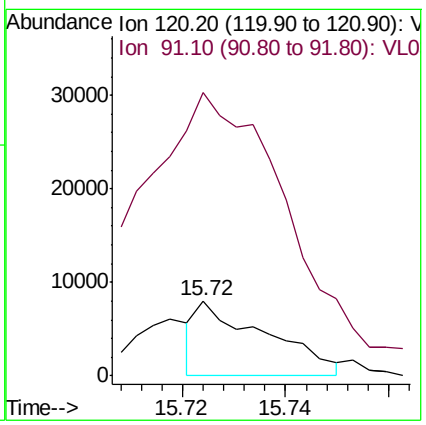


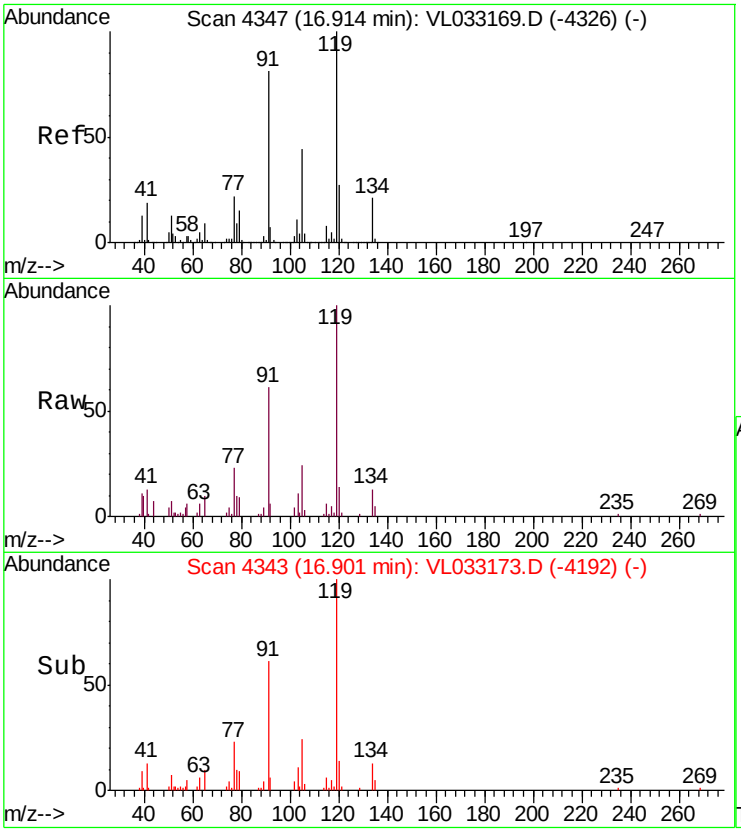


#64
n-propylbenzene
Concen: 0.061 ppbv
RT: 15.72 min Scan# 3977
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion:120 Resp: 7535

Ion	Ratio	Lower	Upper
120	100		
91	903.6	383.9	575.9#



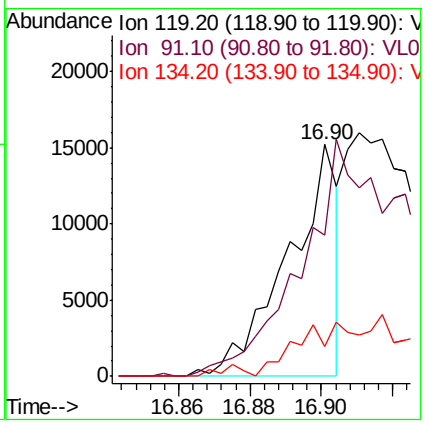


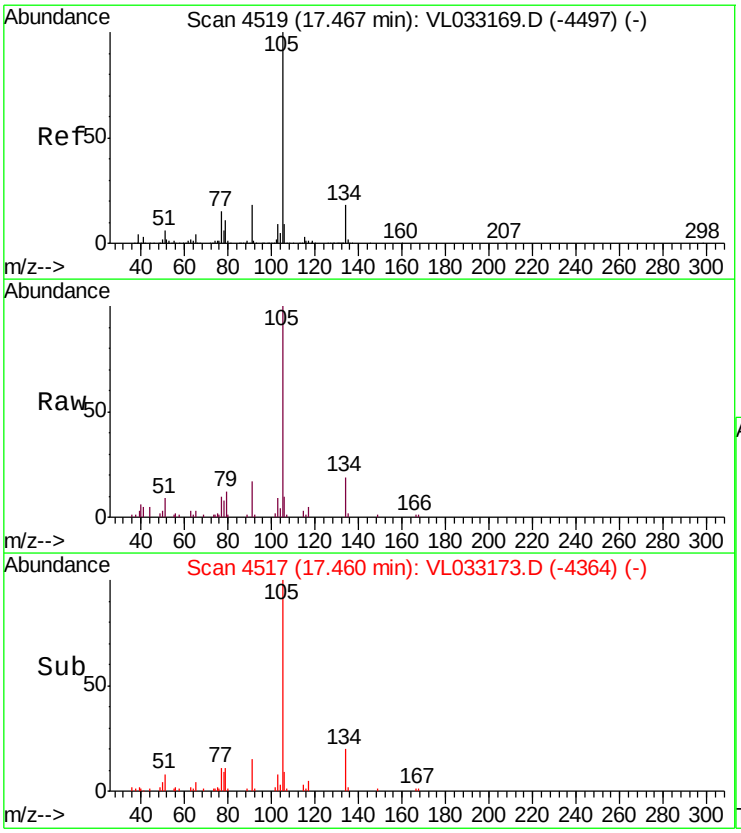
#65
tert-Butylbenzene
Concen: 0.035 ppbv
RT: 16.90 min Scan# 4343
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:119 Resp: 14639

Ion	Ratio	Lower	Upper
119	100		
91	248.7	65.6	98.4#
134	0.0	15.8	23.8#

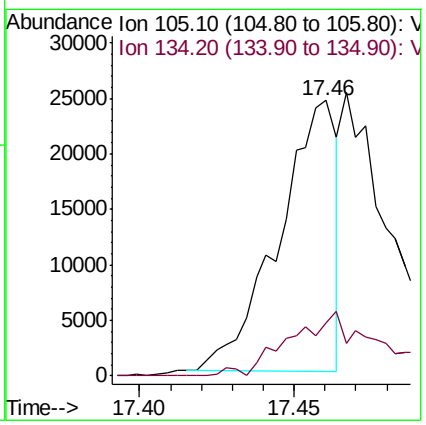


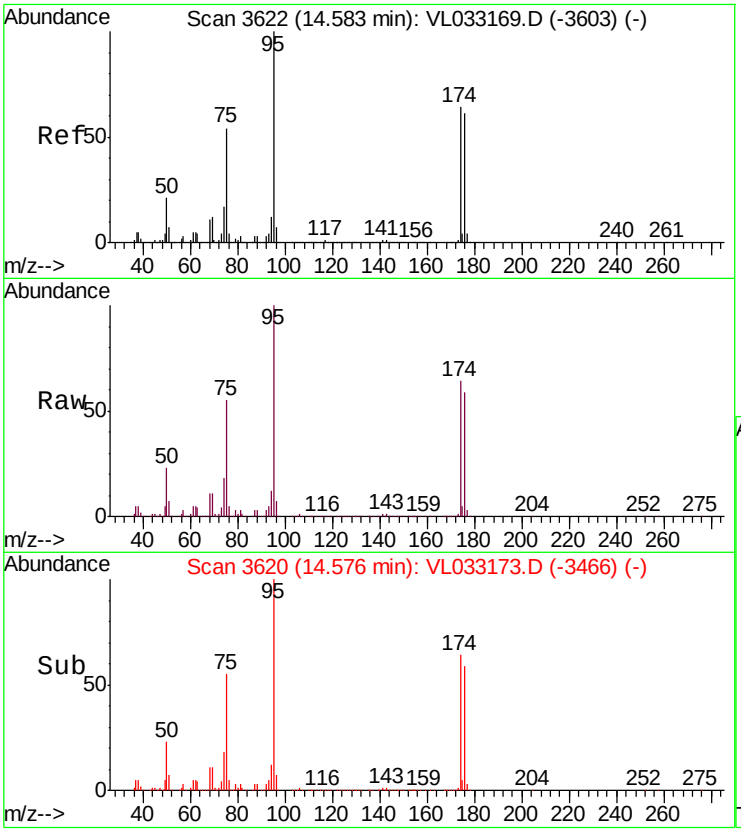


#67
sec-Butylbenzene
Concen: 0.052 ppbv
RT: 17.46 min Scan# 4517
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion:105 Resp: 31823

Ion	Ratio	Lower	Upper
105	100		
134	0.0	14.6	22.0#



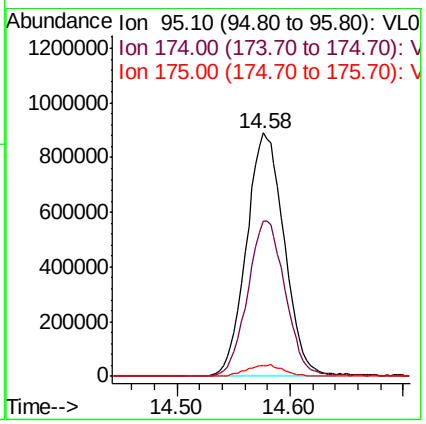


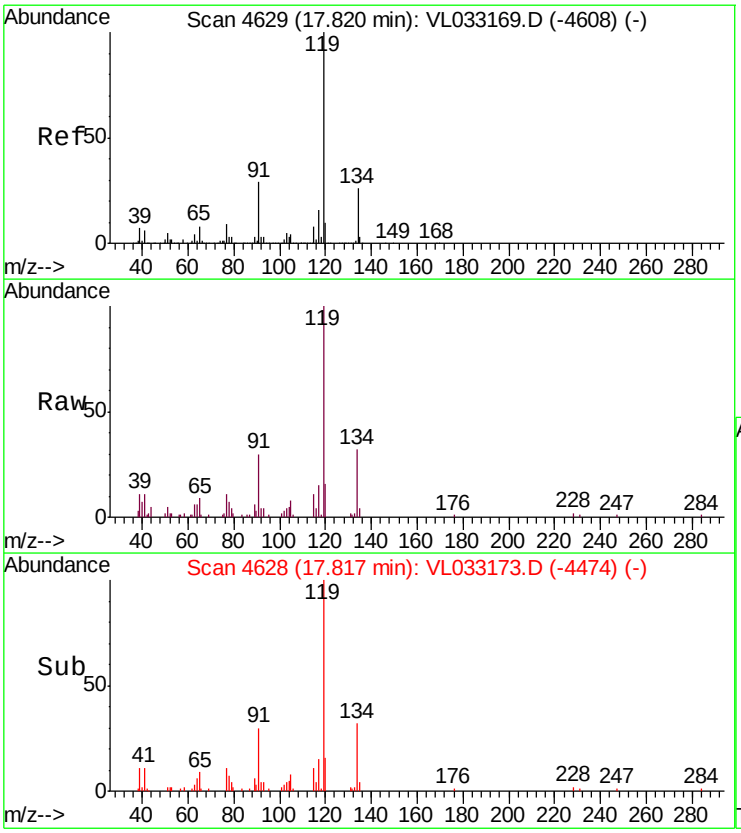
#68
1-Bromo-4-Fluorobenzene
Concen: 10.241 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 95 Resp: 2065194

Ion	Ratio	Lower	Upper
95	100		
174	64.3	51.1	76.7
175	4.8	3.8	5.6

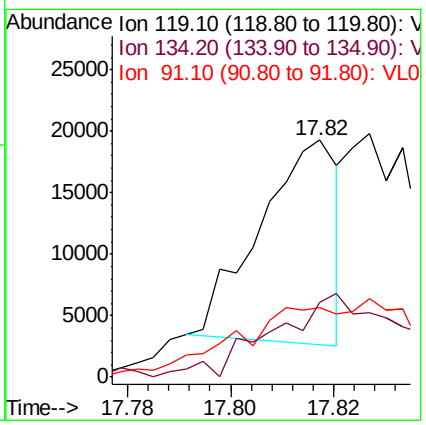


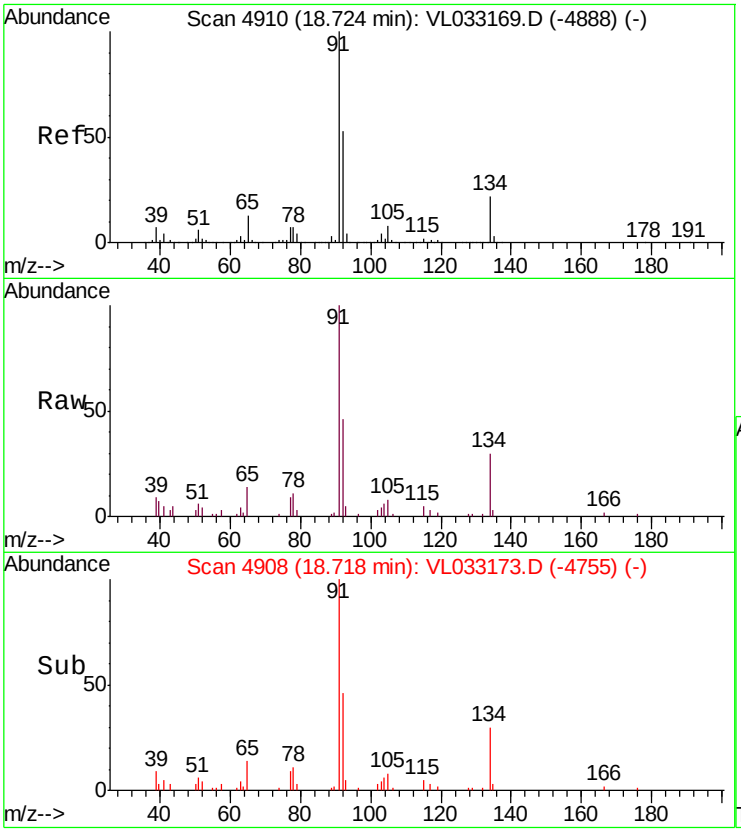


#69
p-Isopropyltoluene
Concen: 0.034 ppbv
RT: 17.82 min Scan# 4628
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion:119 Resp: 17298

Ion	Ratio	Lower	Upper
119	100		
134	80.0	20.4	30.6#
91	0.0	23.4	35.0#



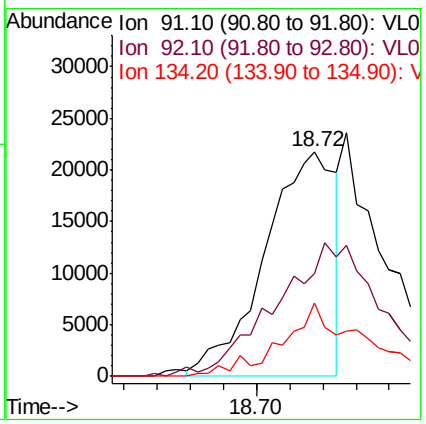


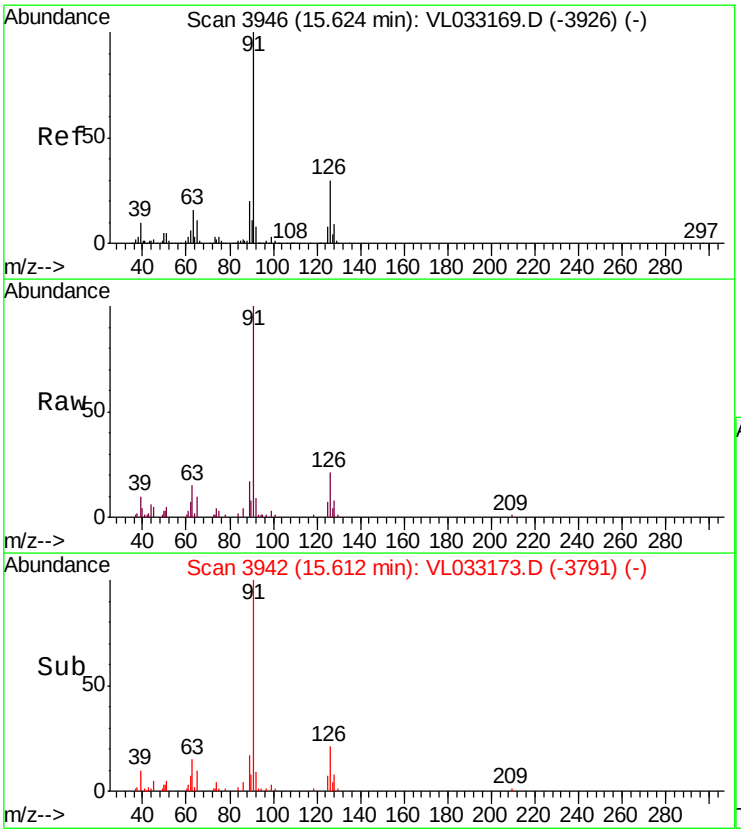
#70
n-Butylbenzene
Concen: 0.058 ppbv
RT: 18.72 min Scan# 4908
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 91 Resp: 32096

Ion	Ratio	Lower	Upper
91	100		
92	94.0	43.0	64.4#
134	38.3	17.5	26.3#

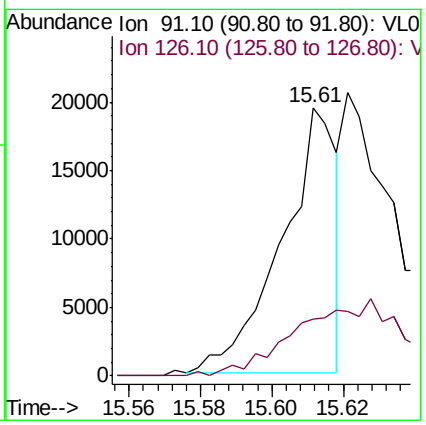


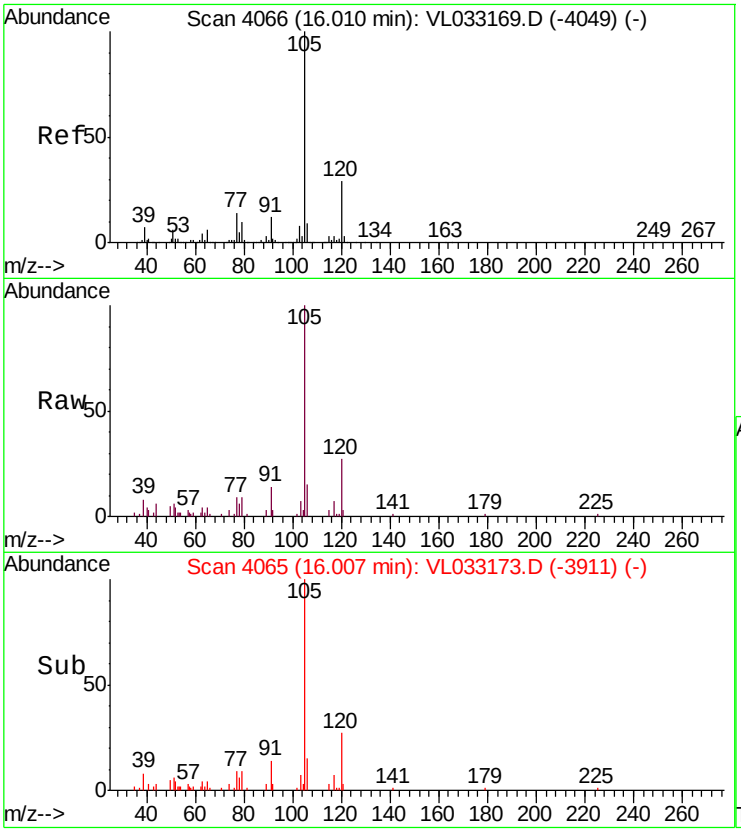


#71
2-Chlorotoluene
Concen: 0.054 ppbv
RT: 15.61 min Scan# 3942
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion: 91 Resp: 20456

Ion	Ratio	Lower	Upper
91	100		
126	0.0	11.8	47.4#



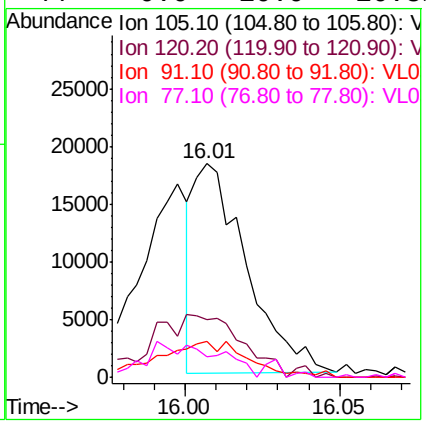


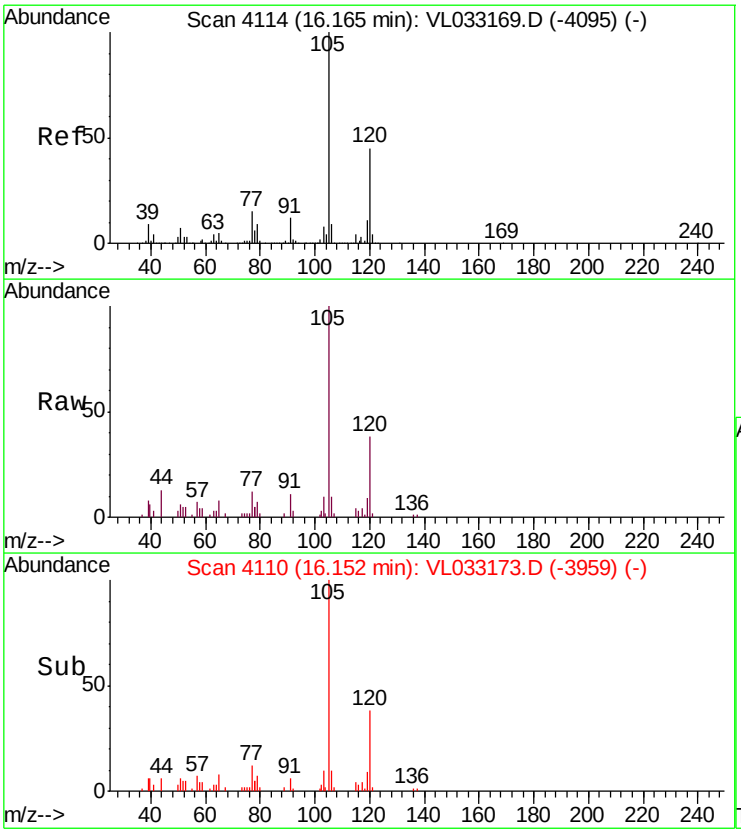
#72
4-Ethyltoluene
Concen: 0.054 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.1

Tgt Ion:105 Resp: 21316

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.1	34.7#
91	29.9	9.8	14.6#
77	0.0	10.9	16.3#

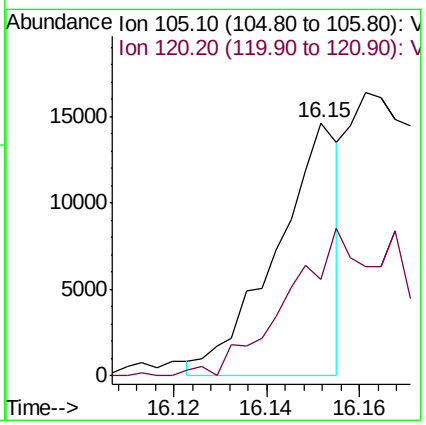


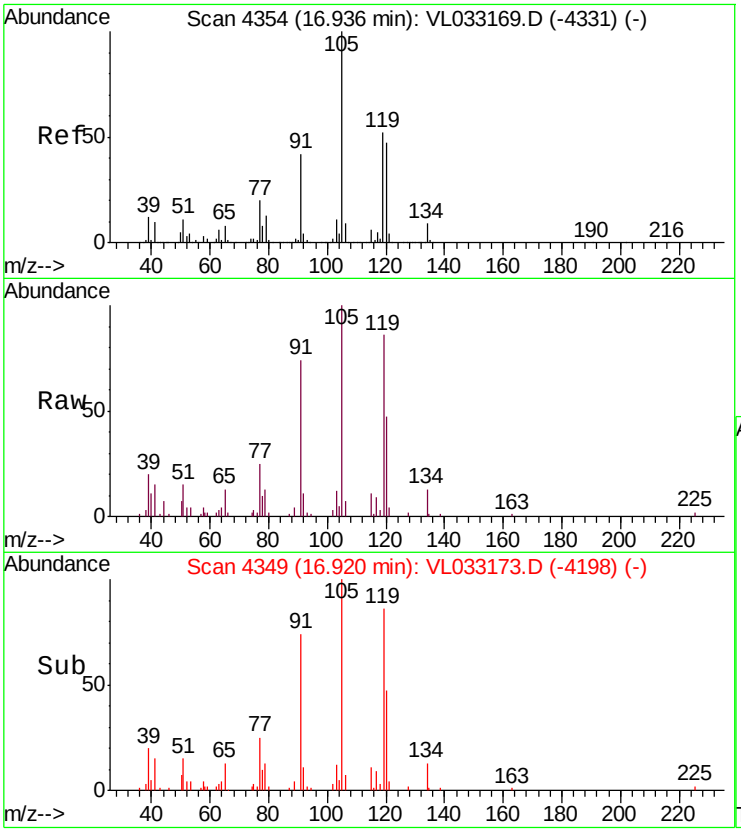


#73
1,3,5-Trimethylbenzene
Concen: 0.036 ppbv
RT: 16.15 min Scan# 4110
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion:105 Resp: 13755

Ion	Ratio	Lower	Upper
105	100		
120	38.5	36.2	54.4



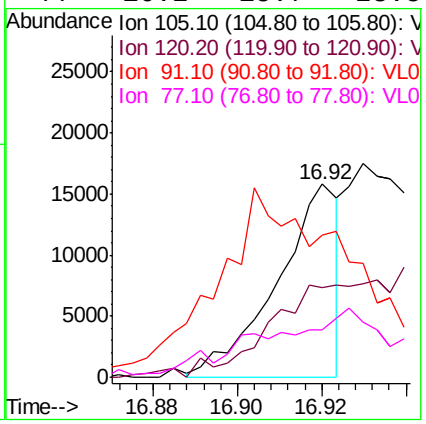


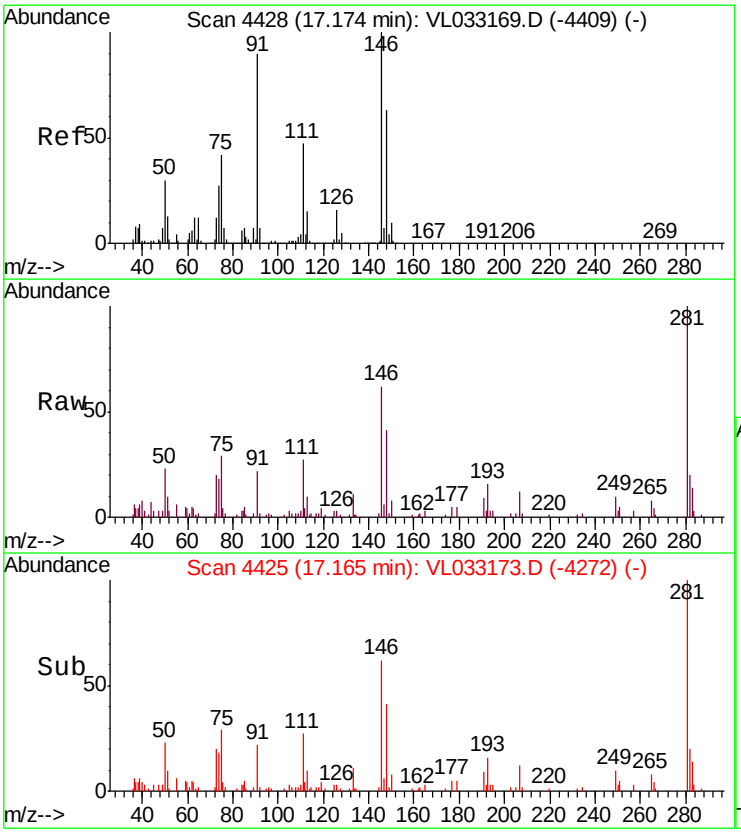
#74
1,2,4-Trimethylbenzene
Concen: 0.041 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.02 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:105 Resp: 16026

Ion	Ratio	Lower	Upper
105	100		
120	51.5	37.9	56.9
91	43.7	34.0	51.0
77	16.2	15.7	23.5

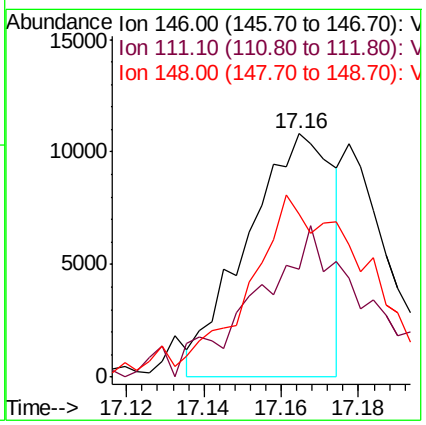


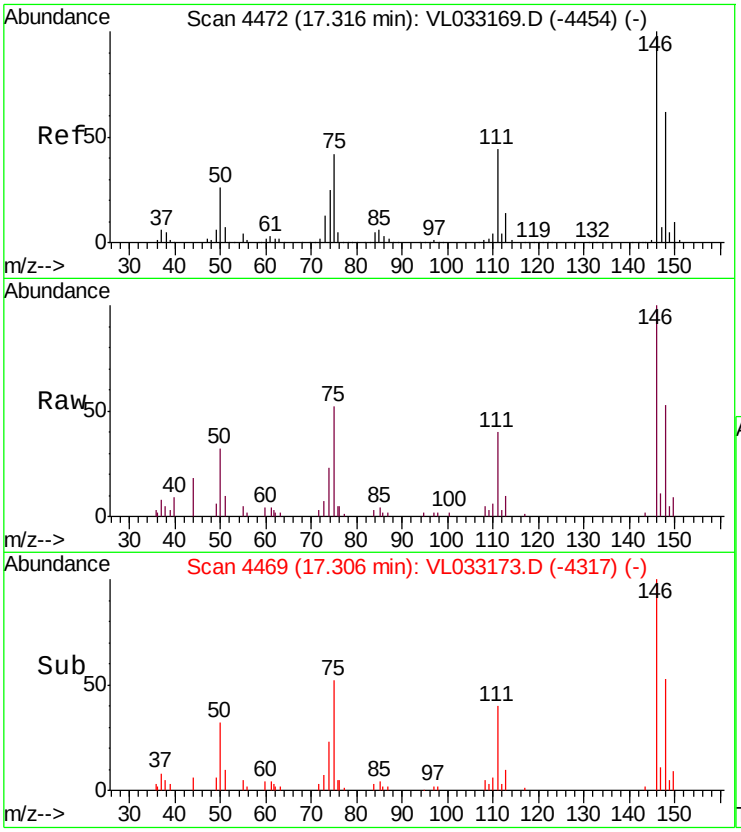


#75
1,3-Dichlorobenzene
Concen: 0.074 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion:146 Resp: 16754

Ion	Ratio	Lower	Upper
146	100		
111	84.8	23.2	69.6#
148	107.3	31.8	95.4#



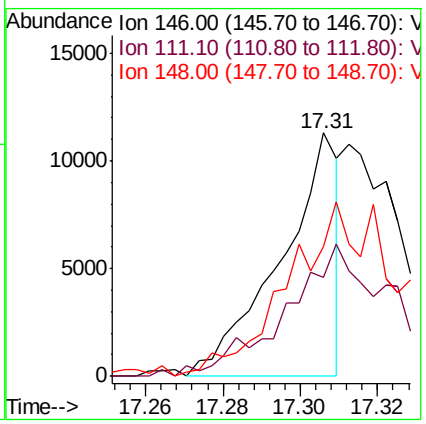


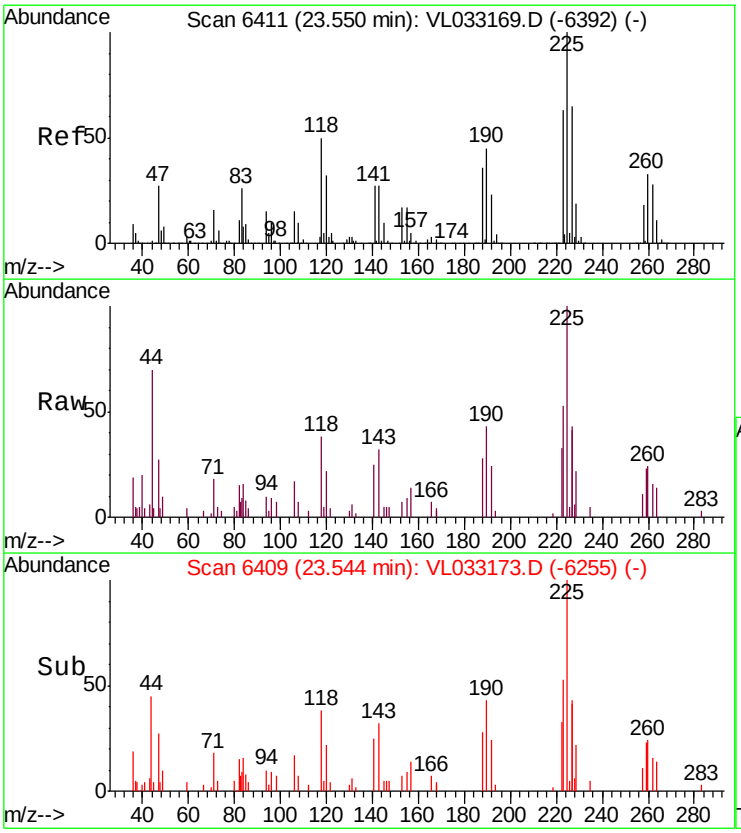
#76
1,4-Dichlorobenzene
Concen: 0.052 ppbv
RT: 17.31 min Scan# 4469
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:146 Resp: 11667

Ion	Ratio	Lower	Upper
146	100		
111	0.0	22.3	66.9#
148	0.0	32.0	96.0#

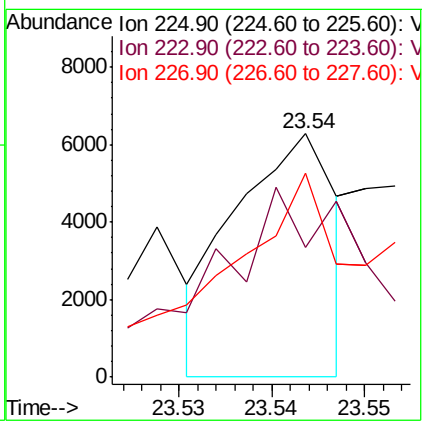


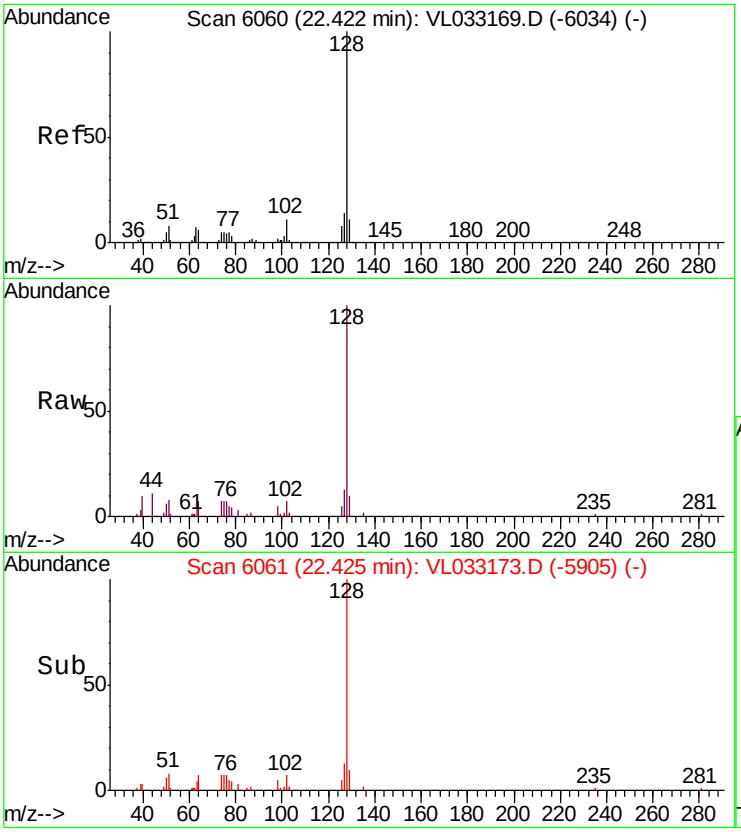


#78
Hexachloro-1,3-Butadiene
Concen: 0.043 ppbv
RT: 23.54 min Scan# 6409
Delta R.T. -0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion:225 Resp: 4772

Ion	Ratio	Lower	Upper
225	100		
223	188.3	50.6	75.8#
227	191.7	51.4	77.2#



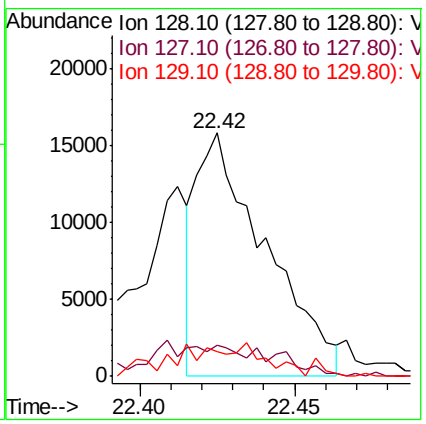


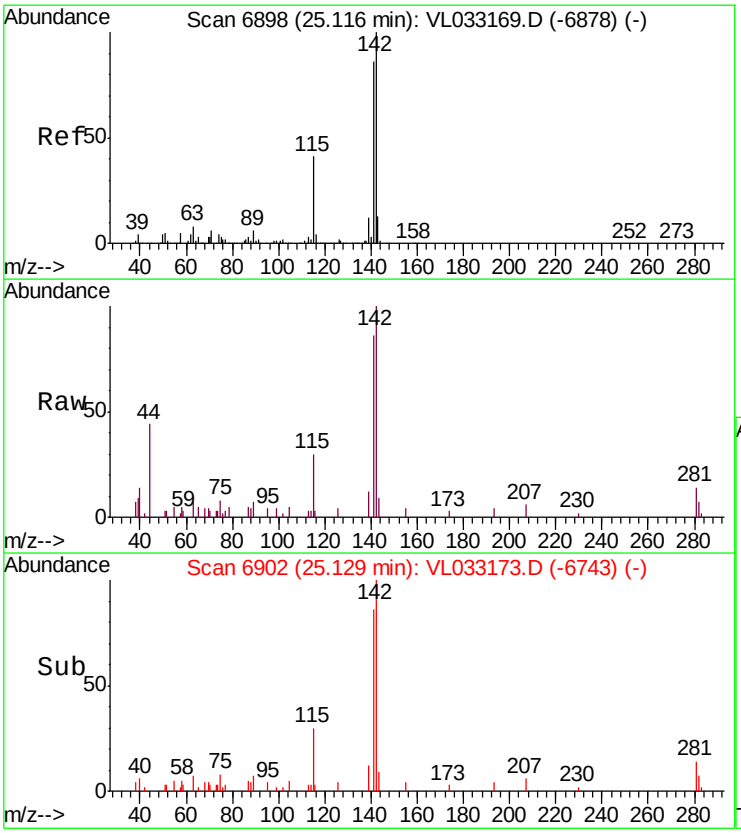
#79
Naphthalene
Concen: 0.058 ppbv
RT: 22.42 min Scan# 6061
Delta R.T. 0.00 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion:128 Resp: 24506

Ion	Ratio	Lower	Upper
128	100		
127	11.9	11.0	16.4
129	8.8	8.6	12.8





#80
Naphthalene,2-methyl-
Concen: 0.076 ppbv
RT: 25.13 min Scan# 6902
Delta R.T. 0.01 min
Lab File: VL033173.D
Acq: 6 Feb 2019 4:24

Tgt Ion:142 Resp: 16308

Ion	Ratio	Lower	Upper
142	100		
141	90.9	67.7	101.5
115	42.6	32.7	49.1