Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021419\

Quantitation Report (Not Reviewed)

Data File : VL033218.D
Acq On : 15 Feb 2019 4:09
Operator : SY/AP
Sample : K1483-10DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 15 06:47:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	869834	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	1980814	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.24	117	1966890	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	1613250	10.65	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	9218	0.055	ppbv		98
3) Chlorodifluoromethane	3.02	51	8323	0.079	ppbv	#	83
7) Chloroethane	3.60	64	13393	0.709	ppbv		90
9) Propene	3.24	41	18496	0.366	ppbv		91
11) Trichlorofluoromethane	4.01	101	30469	0.226	ppbv		89
12) 1,1,2-Trichlorotrifluoroet	4.55	101	131053	1.405	ppbv		99
15) Acetone	3.93	43	40714	0.415	ppbv		94
16) 1,3-Butadiene	3.40	39	2578	0.055	ppbv	#	12
17) tert-Butyl alcohol	4.36	59	4144	0.222	ppbv	#	74
18) 1,1-Dichloroethene	4.35	96	147594	3.534	ppbv		96
20) Methylene Chloride	4.41	84	17664	0.453	ppbv		92
24) 1,1-Dichloroethane	5.09	63	2678121	22.293	ppbv		100
26) Hexane	5.79	57	3926	0.038	ppbv	#	59
31) cis-1,2-Dichloroethene	5.65	61	5067	0.049	ppbv	#	91
32) 1,1,1-Trichloroethane	6.62	97	14544766	83.330	ppbv		93
37) 1,2-Dichloroethane	6.62	62	1176535	10.575	ppbv	#	1
38) Trichloroethene	7.96	130	11484	0.134	ppbv	#	80
39) 1,2-Dichloropropane	7.30	63	525933	6.634	ppbv	#	26
47) 1,1,2-Trichloroethane	9.61	97	3786	0.046	ppbv	#	85
52) Tetrachloroethene	11.37	164	21024	0.273	ppbv		94
60) o-Xylene	13.85	91	8439	0.033	ppbv	#	42

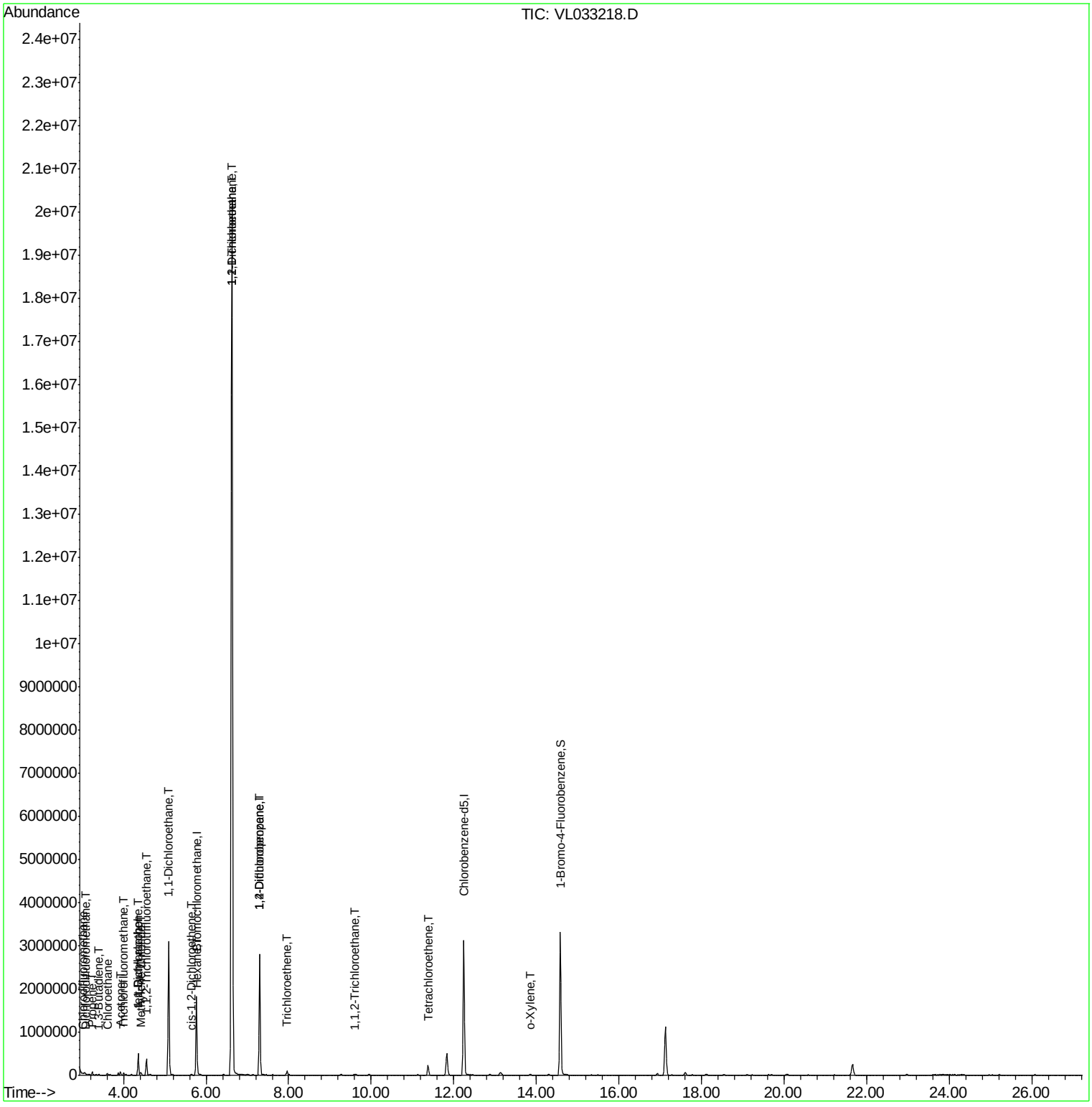
(#) = qualifier out of range (m) = manual integration (+) = signals summed

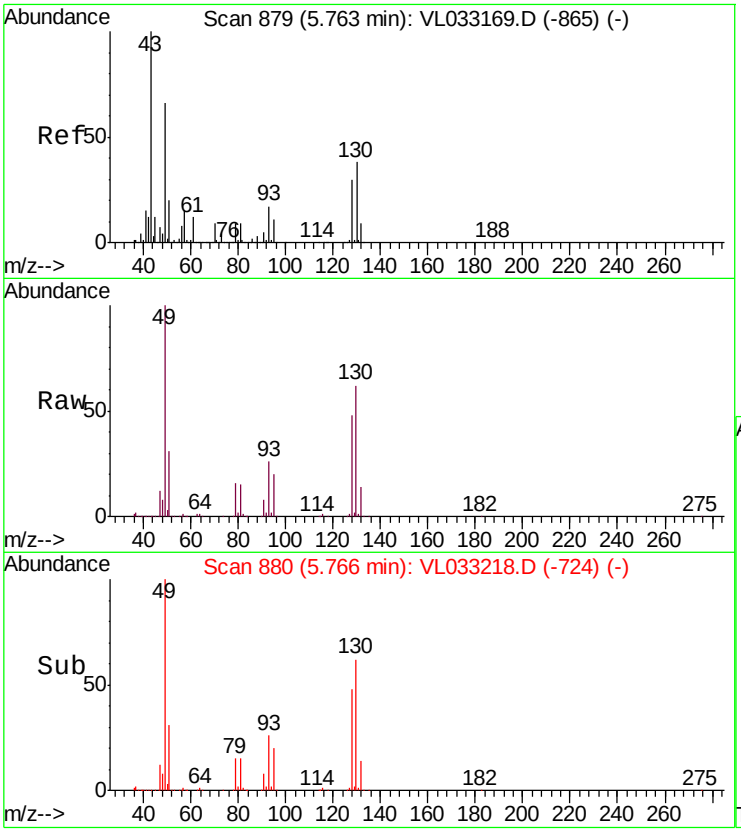
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021419\

Quantitation Report (Not Reviewed)

Data File : VL033218.D
Acq On : 15 Feb 2019 4:09
Operator : SY/AP
Sample : K1483-10DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 15 06:47:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration

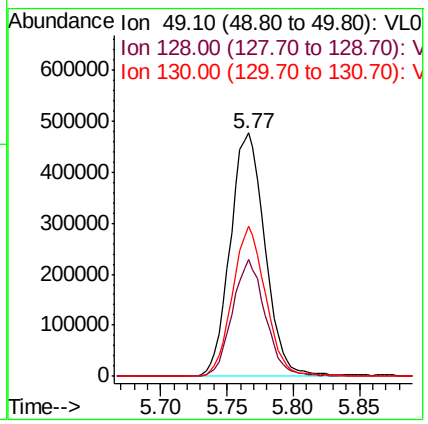


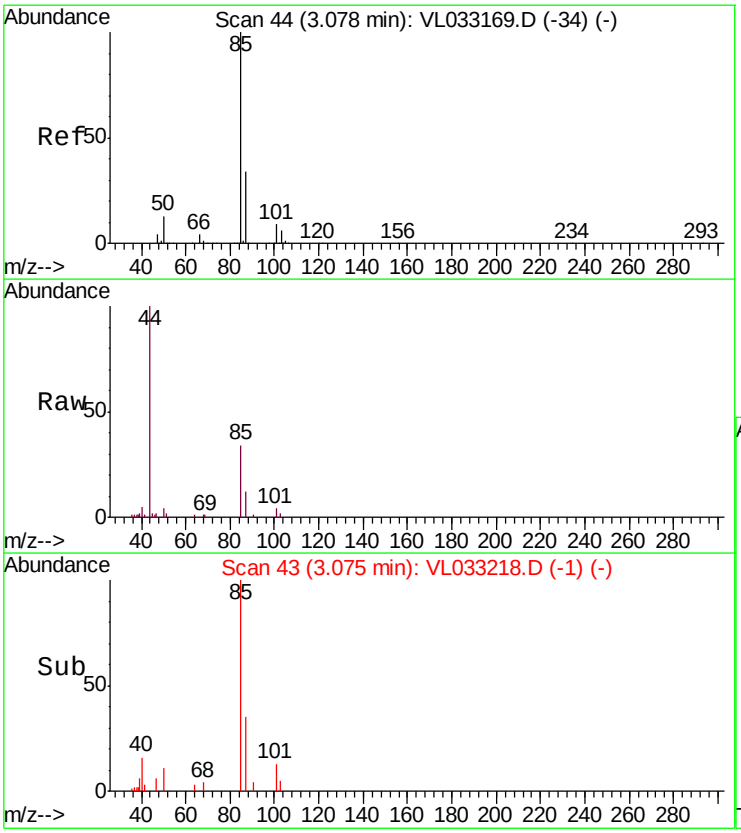


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. 0.00 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion: 49 Resp: 869834

Ion	Ratio	Lower	Upper
49	100		
128	45.8	23.6	71.0
130	59.6	30.3	91.0

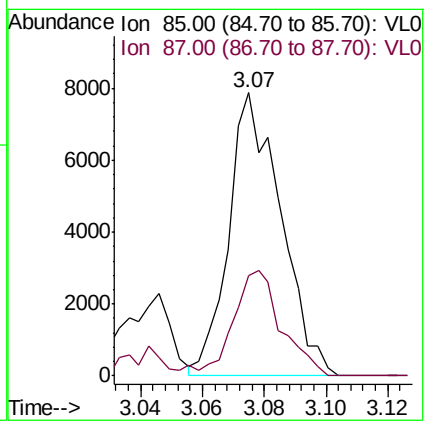


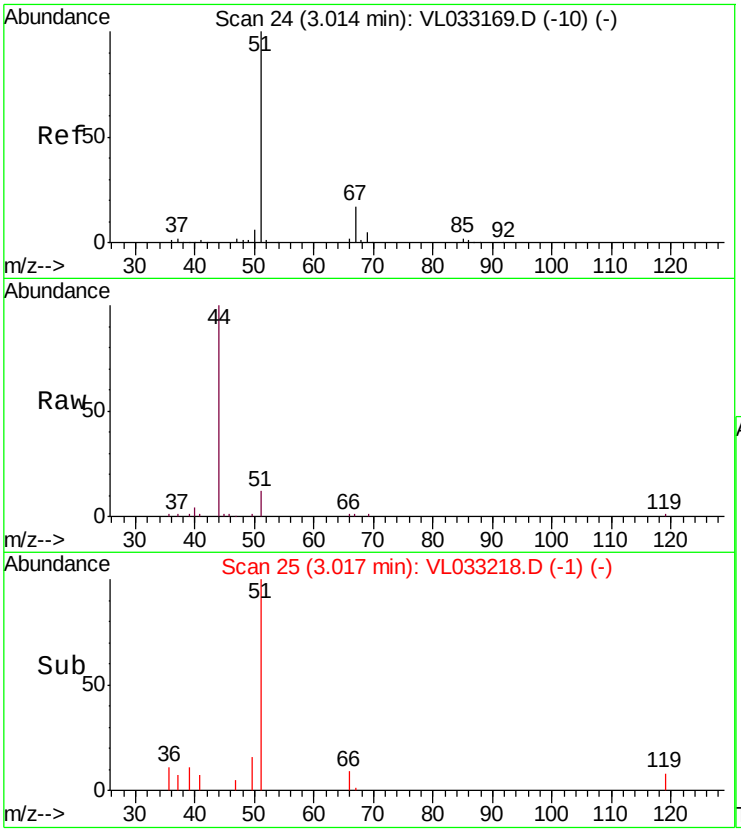


#2
Dichlorodifluoromethane
Concen: 0.055 ppbv
RT: 3.07 min Scan# 43
Delta R.T. -0.00 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion: 85 Resp: 9218

Ion	Ratio	Lower	Upper
85	100		
87	35.3	27.4	41.2

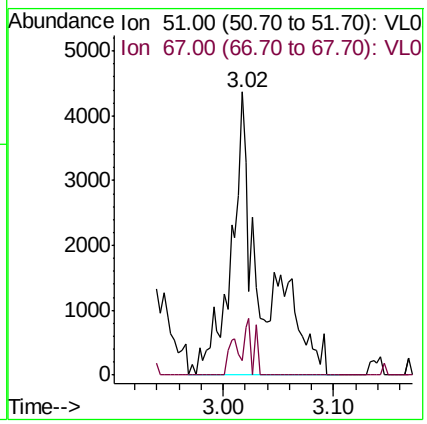


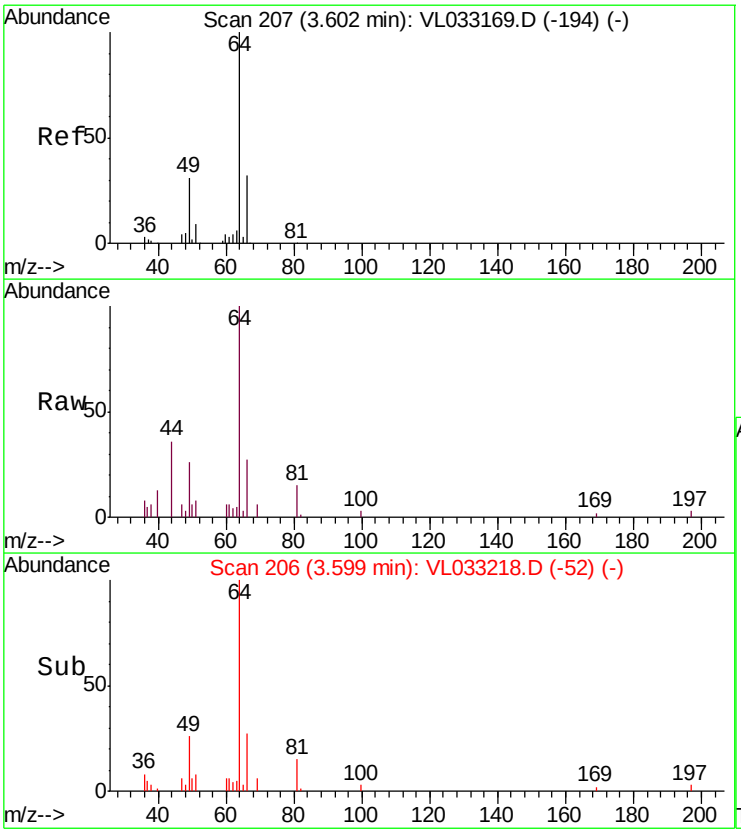


#3
Chlorodifluoromethane
Concen: 0.079 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion: 51 Resp: 8323

Ion	Ratio	Lower	Upper
51	100		
67	10.3	14.0	21.0#

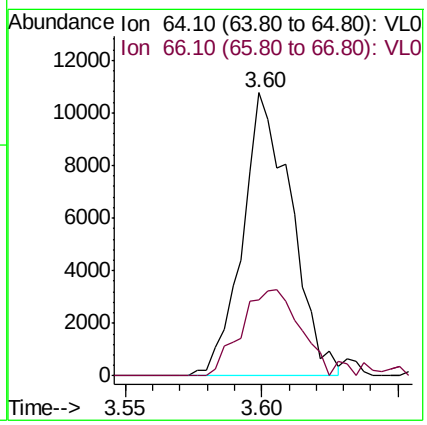


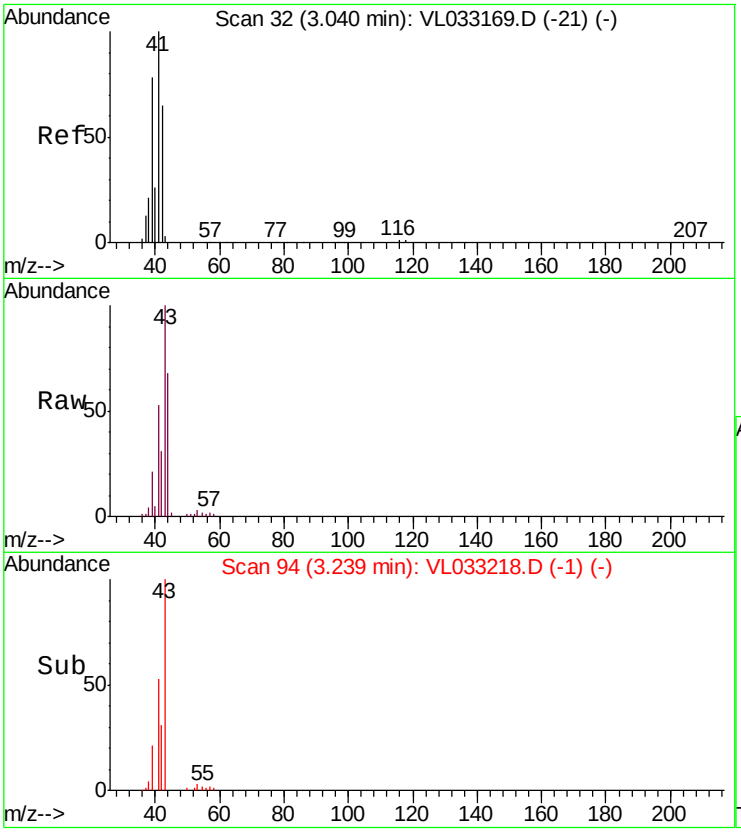


#7
Chloroethane
Concen: 0.709 ppbv
RT: 3.60 min Scan# 206
Delta R.T. -0.00 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion: 64 Resp: 13393

Ion	Ratio	Lower	Upper
64	100		
66	26.7	26.0	39.0

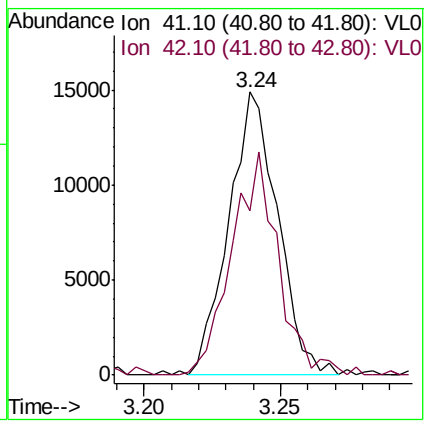


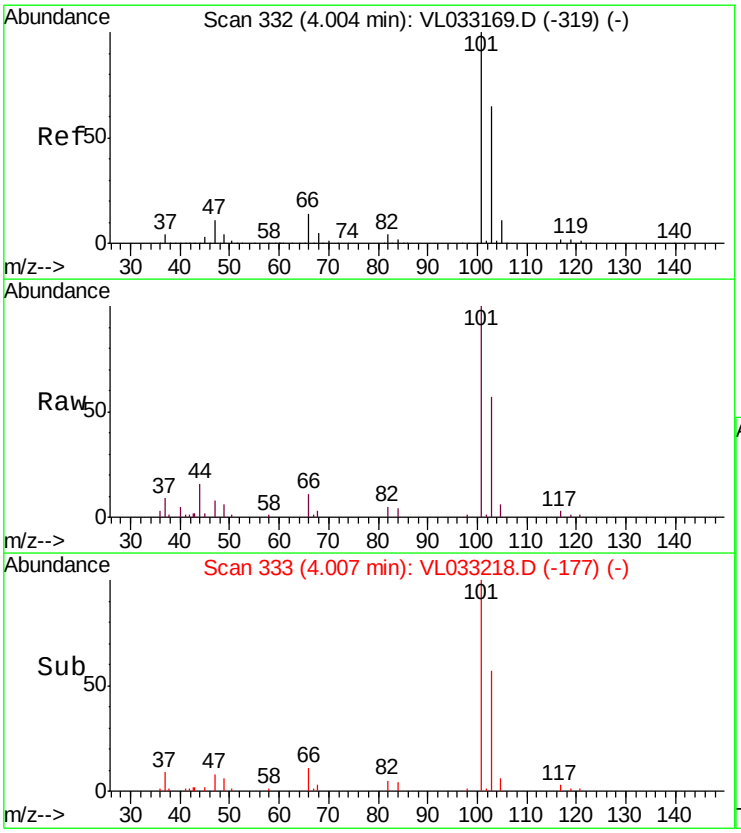


#9
Propene
Concen: 0.366 ppbv
RT: 3.24 min Scan# 94
Delta R.T. 0.20 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion: 41 Resp: 18496

Ion	Ratio	Lower	Upper
41	100		
42	75.8	55.0	82.6

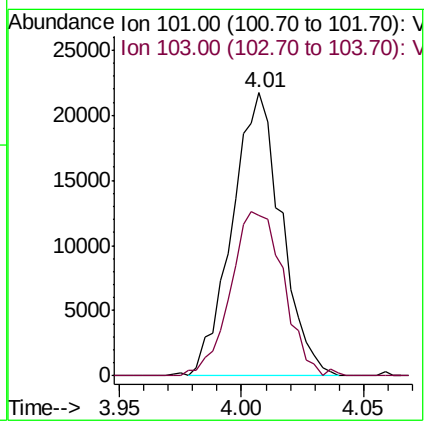


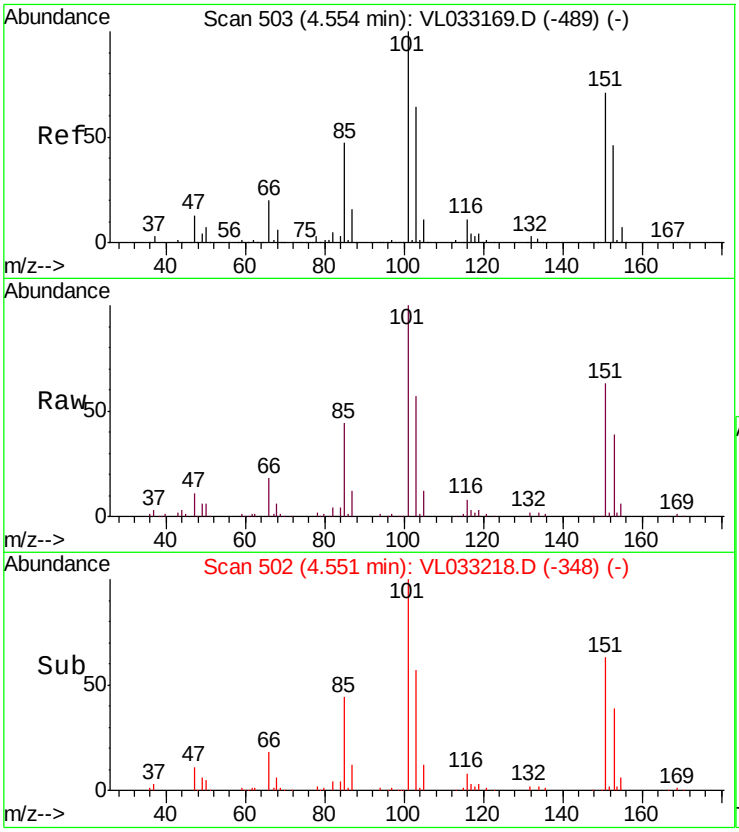


#11
Trichlorofluoromethane
Concen: 0.226 ppbv
RT: 4.01 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion:101 Resp: 30469

Ion	Ratio	Lower	Upper
101	100		
103	55.8	51.7	77.5

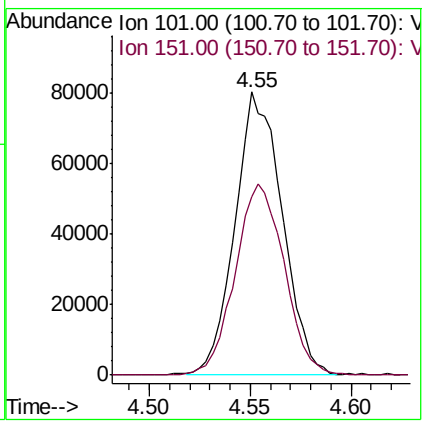


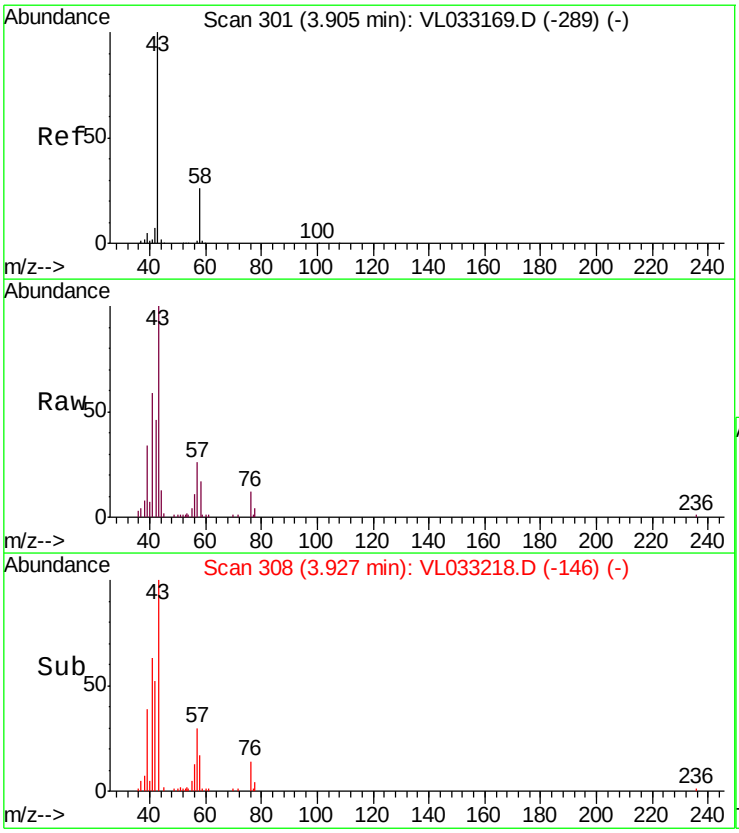


#12
1,1,2-Trichlorotrifluoroethane
Concen: 1.405 ppbv
RT: 4.55 min Scan# 502
Delta R.T. -0.00 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion:101 Resp: 131053

Ion	Ratio	Lower	Upper
101	100		
151	70.7	57.4	86.0

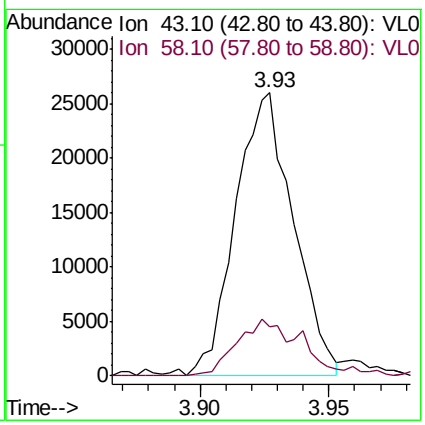


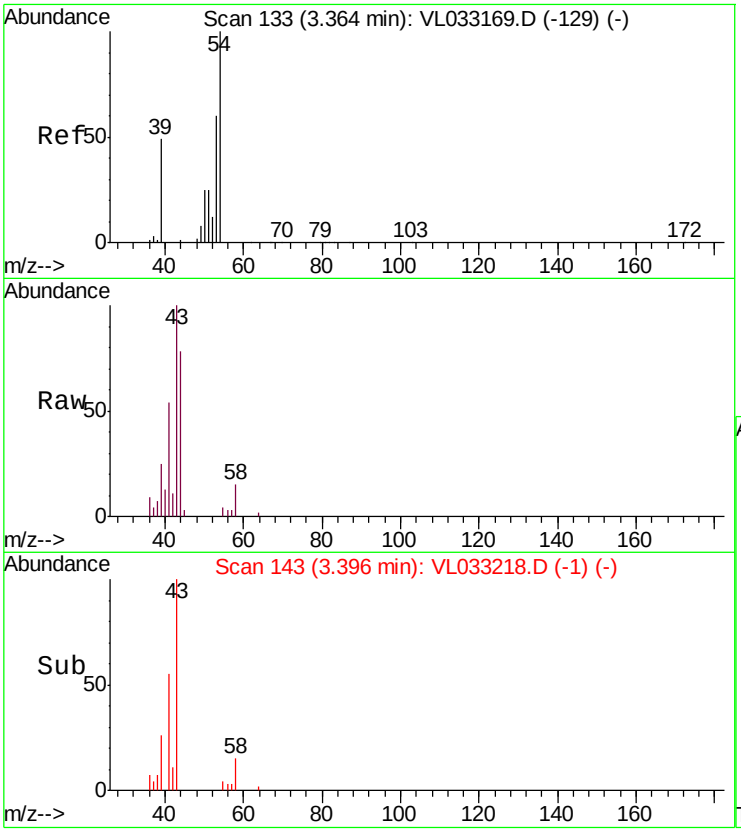


#15
Acetone
Concen: 0.415 ppbv
RT: 3.93 min Scan# 308
Delta R.T. 0.02 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion: 43 Resp: 40714

Ion	Ratio	Lower	Upper
43	100		
58	23.4	21.1	31.7

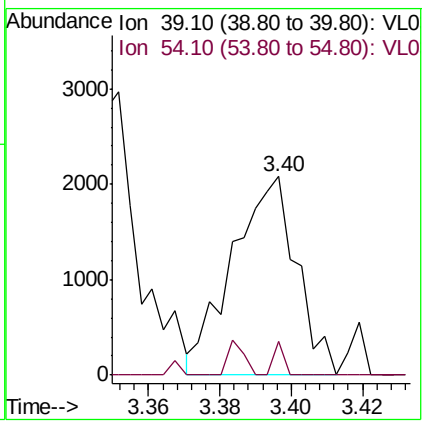


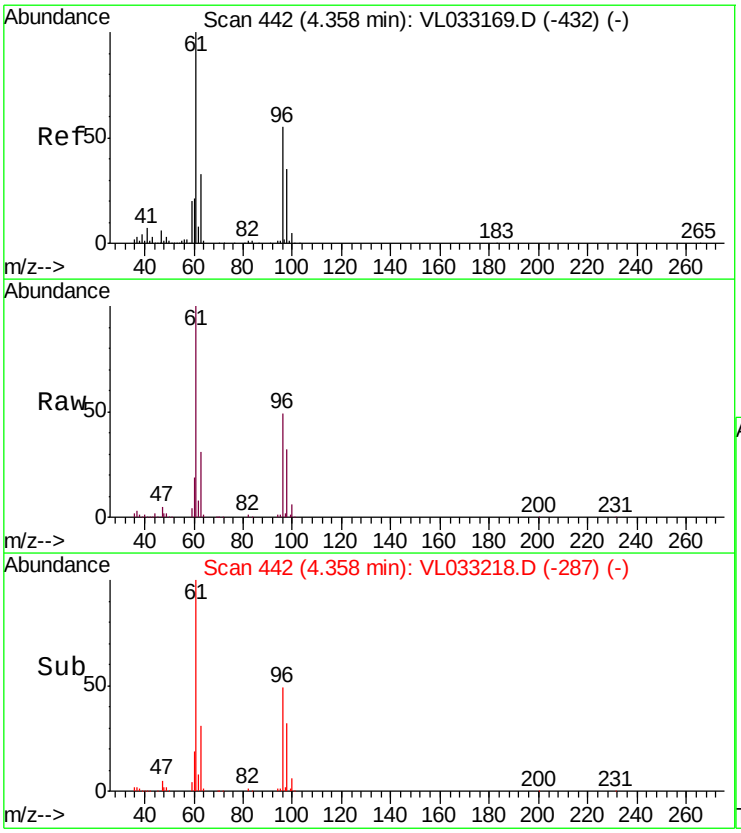


#16
1,3-Butadiene
Concen: 0.055 ppbv
RT: 3.40 min Scan# 143
Delta R.T. 0.03 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion: 39 Resp: 2578

Ion	Ratio	Lower	Upper
39	100		
54	7.0	71.3	106.9#

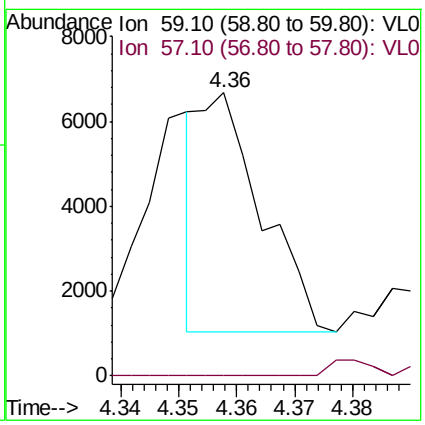


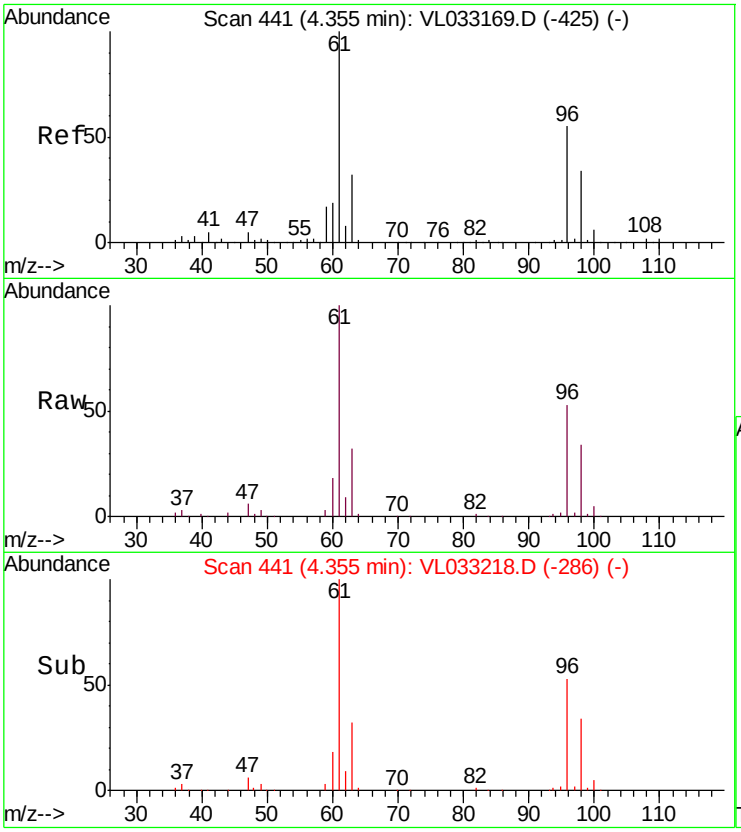


#17
tert-Butyl alcohol
Concen: 0.222 ppbv
RT: 4.36 min Scan# 442
Delta R.T. -0.00 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion: 59 Resp: 4144

Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.6	11.4#

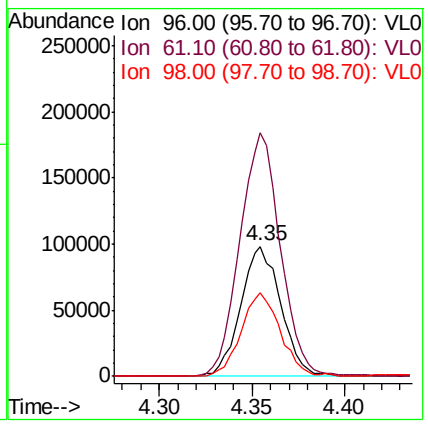


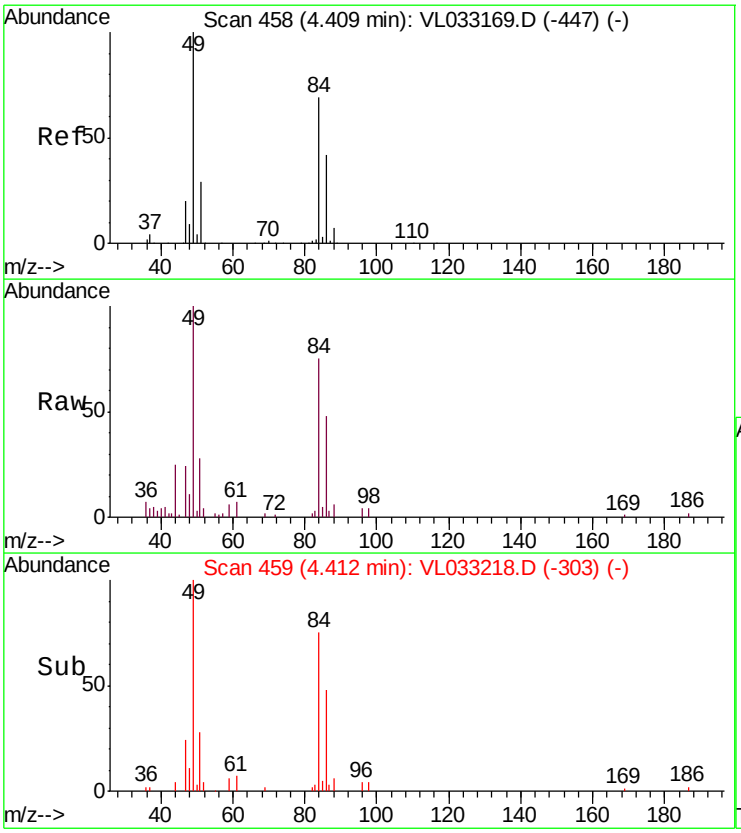


#18
1,1-Dichloroethene
Concen: 3.534 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion: 96 Resp: 147594

Ion	Ratio	Lower	Upper
96	100		
61	187.3	145.0	217.6
98	64.1	50.0	75.0

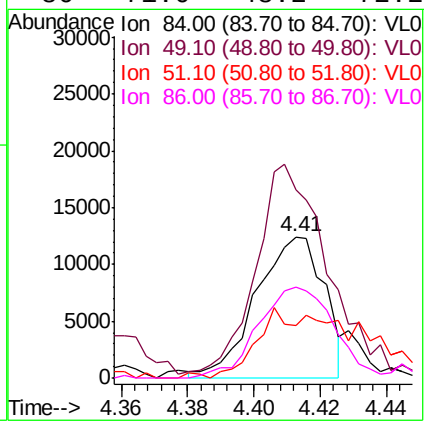


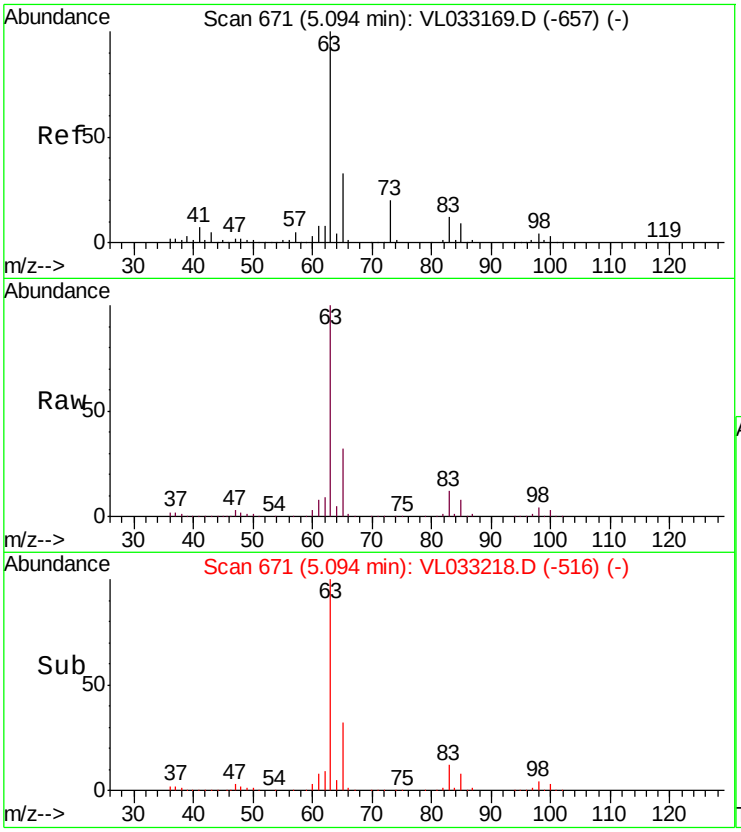


#20
Methylene Chloride
Concen: 0.453 ppbv
RT: 4.41 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion: 84 Resp: 17664

Ion	Ratio	Lower	Upper
84	100		
49	135.1	115.8	173.8
51	40.9	33.0	49.6
86	71.0	48.2	72.2

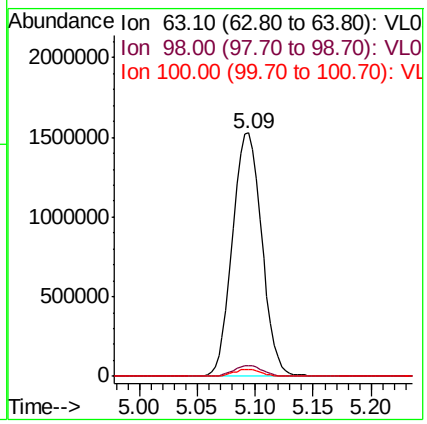


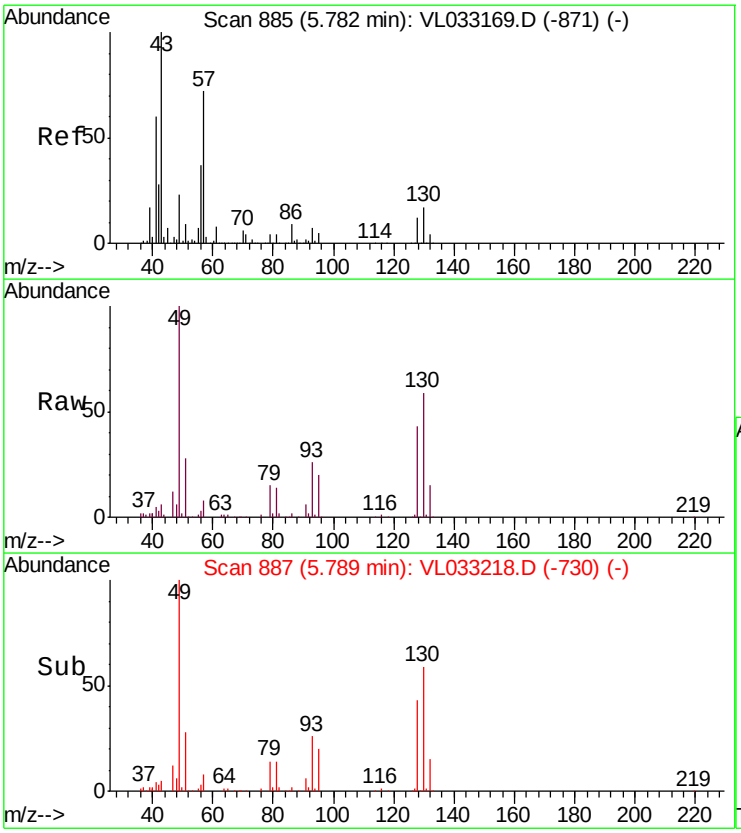


#24
1,1-Dichloroethane
Concen: 22.293 ppbv
RT: 5.09 min Scan# 671
Delta R.T. -0.00 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion: 63 Resp: 2678121

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.5
100	2.8	1.4	4.2

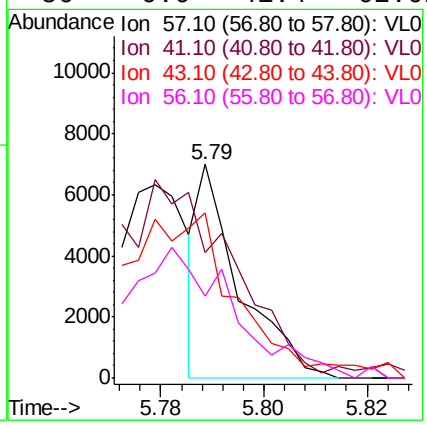


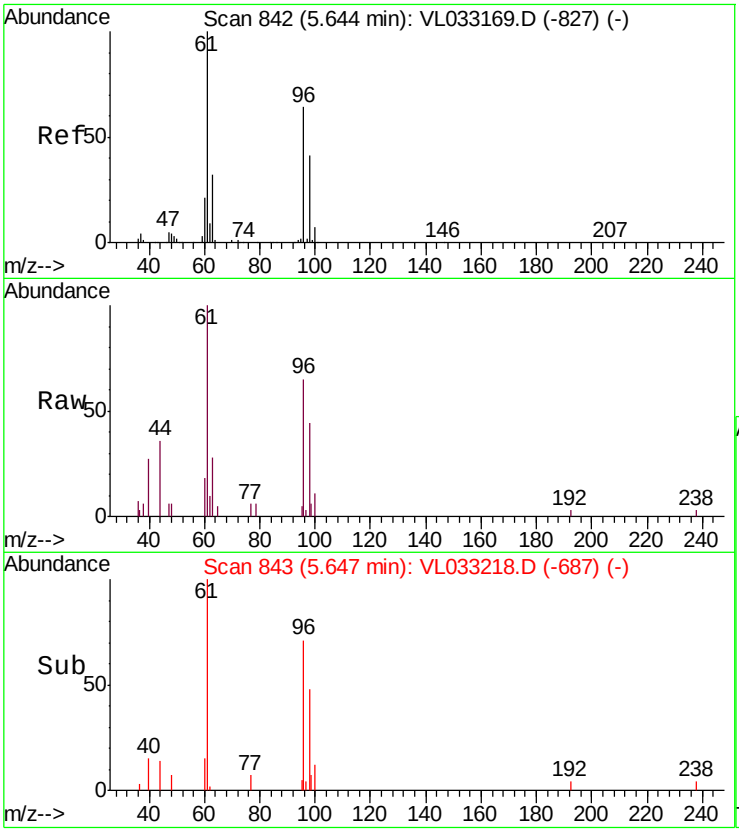


#26
Hexane
Concen: 0.038 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.01 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion: 57 Resp: 3926

Ion	Ratio	Lower	Upper
57	100		
41	0.0	69.4	104.2#
43	241.9	176.7	265.1
56	0.0	41.4	62.0#

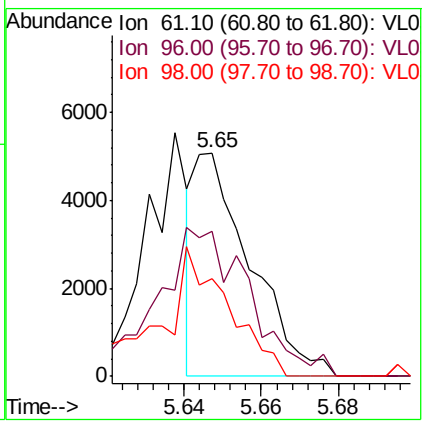


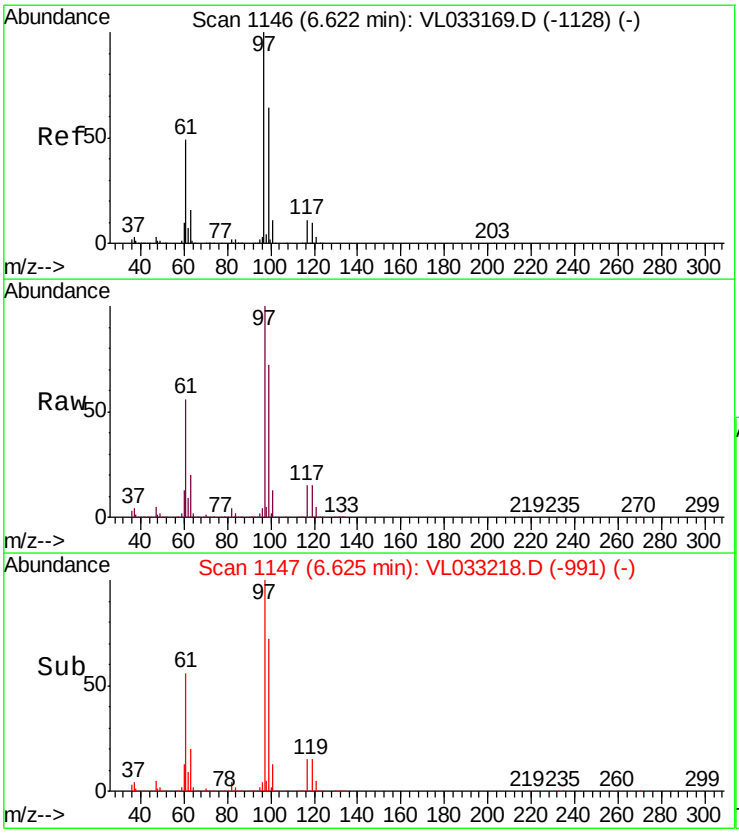


#31
cis-1,2-Dichloroethene
Concen: 0.049 ppbv
RT: 5.65 min Scan# 843
Delta R.T. 0.00 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion: 61 Resp: 5067

Ion	Ratio	Lower	Upper
61	100		
96	68.2	51.2	76.8
98	50.3	32.8	49.2#

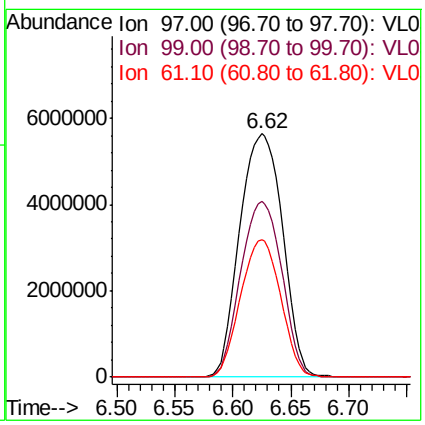


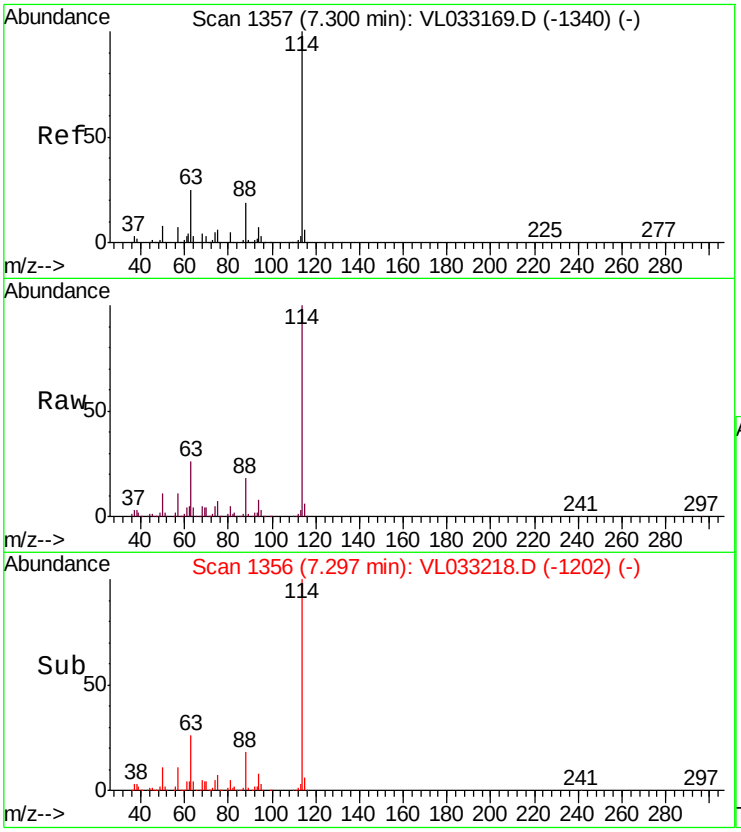


#32
1,1,1-Trichloroethane
Concen: 83.330 ppbv
RT: 6.62 min Scan# 1147
Delta R.T. 0.00 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion: 97 Resp:14544766

Ion	Ratio	Lower	Upper
97	100		
99	69.4	51.4	77.2
61	53.0	38.9	58.3

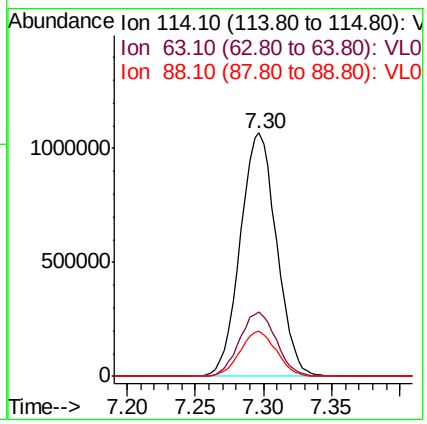


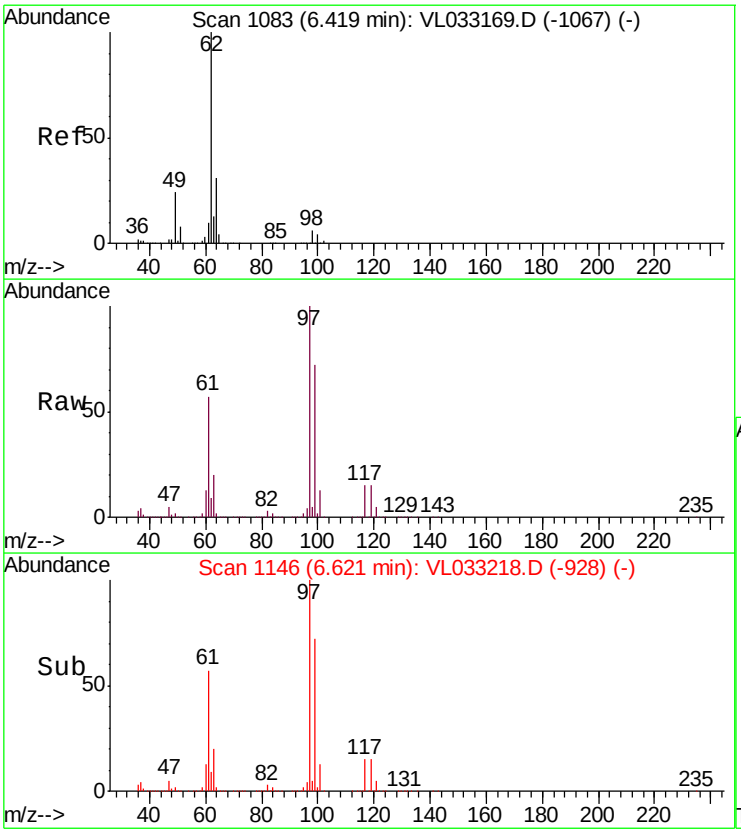


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion:114 Resp: 1980814

Ion	Ratio	Lower	Upper
114	100		
63	26.8	20.8	31.2
88	18.5	14.6	22.0

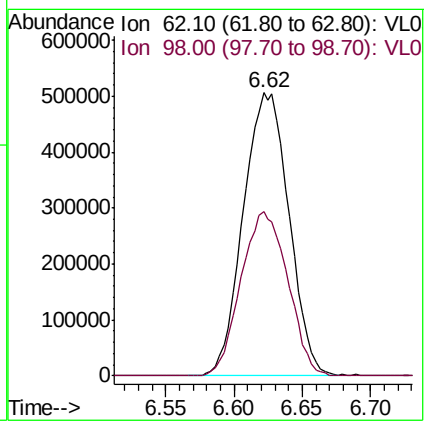


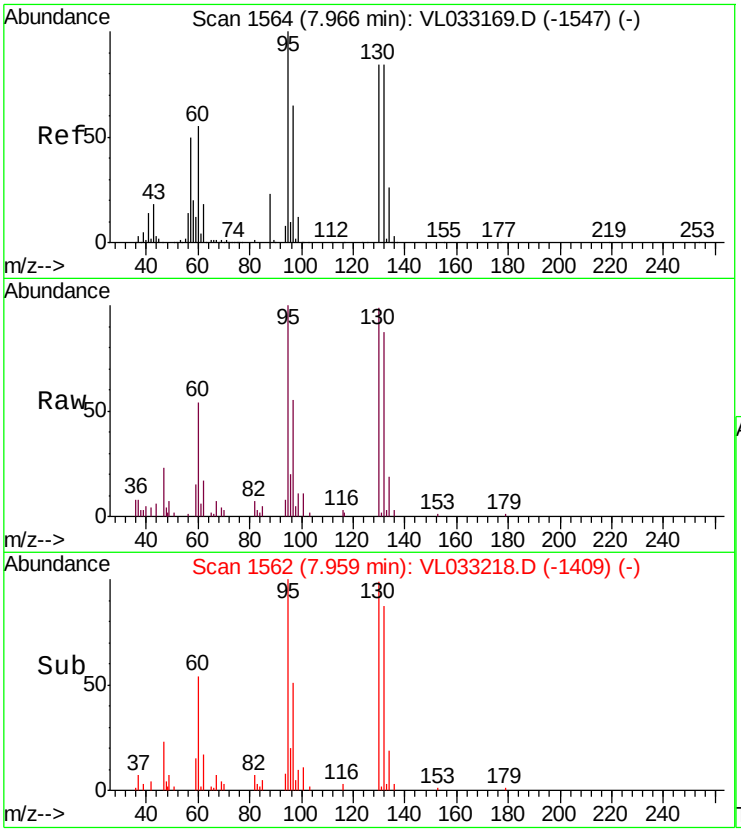


#37
1,2-Dichloroethane
Concen: 10.575 ppbv
RT: 6.62 min Scan# 1146
Delta R.T. 0.20 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion: 62 Resp: 1176535

Ion	Ratio	Lower	Upper
62	100		
98	59.7	4.7	7.1#

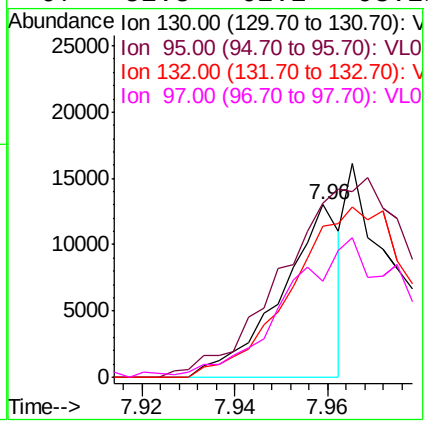


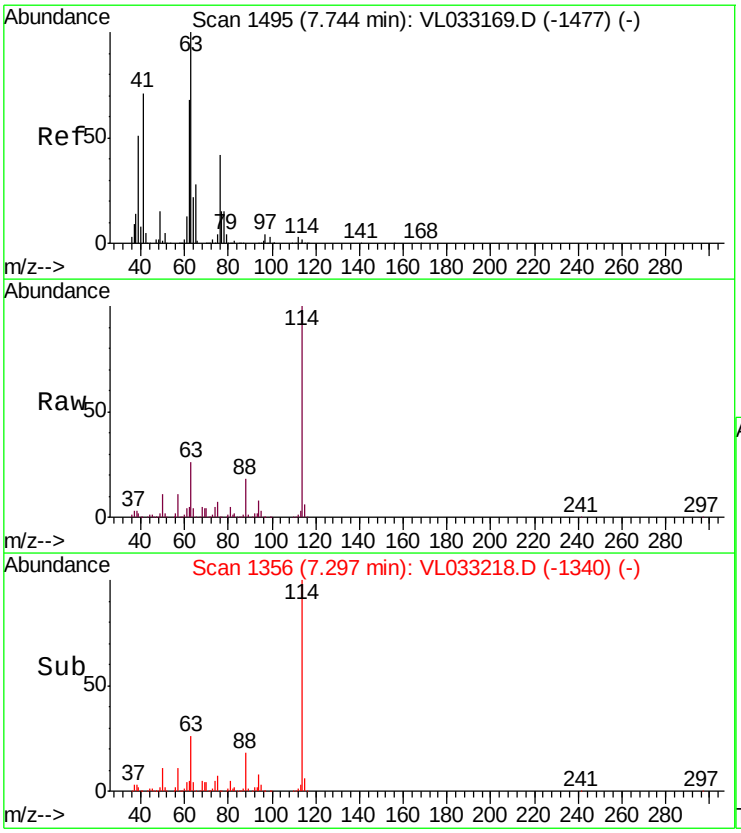


#38
Trichloroethene
Concen: 0.134 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. -0.01 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion:130 Resp: 11484

Ion	Ratio	Lower	Upper
130	100		
95	96.4	95.5	143.3
132	87.5	80.0	120.0
97	52.8	62.2	93.2#

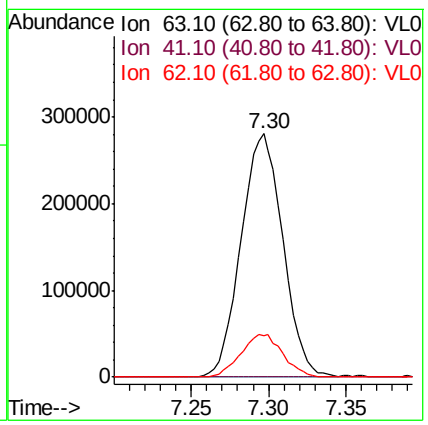


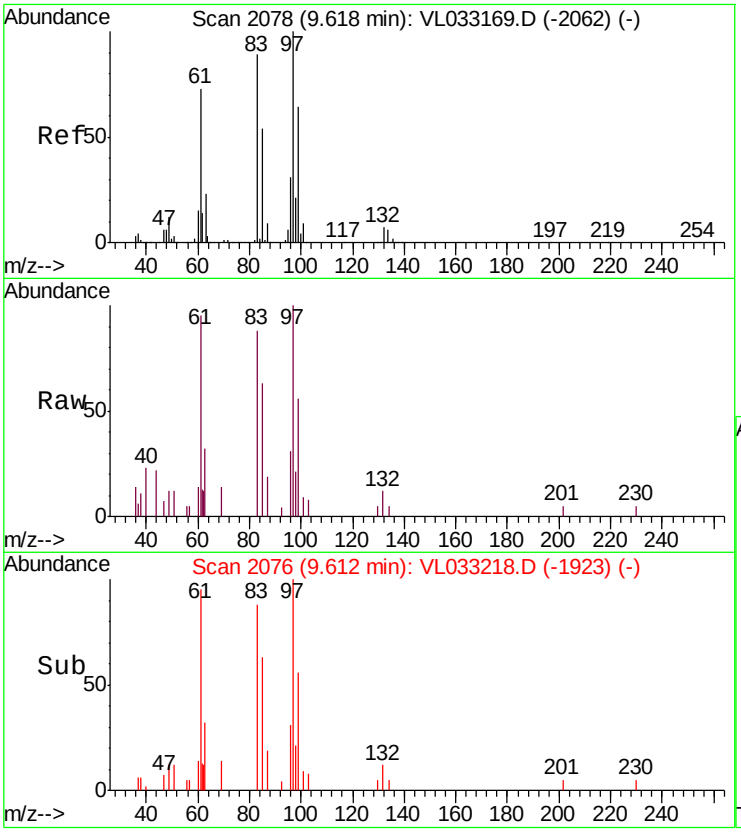


#39
1,2-Dichloropropane
Concen: 6.634 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.45 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion: 63 Resp: 525933

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.4	84.6#
62	17.2	54.2	81.4#

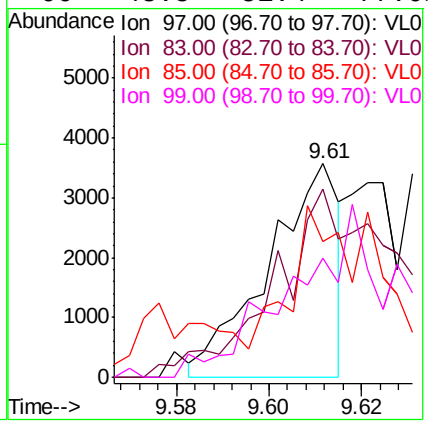


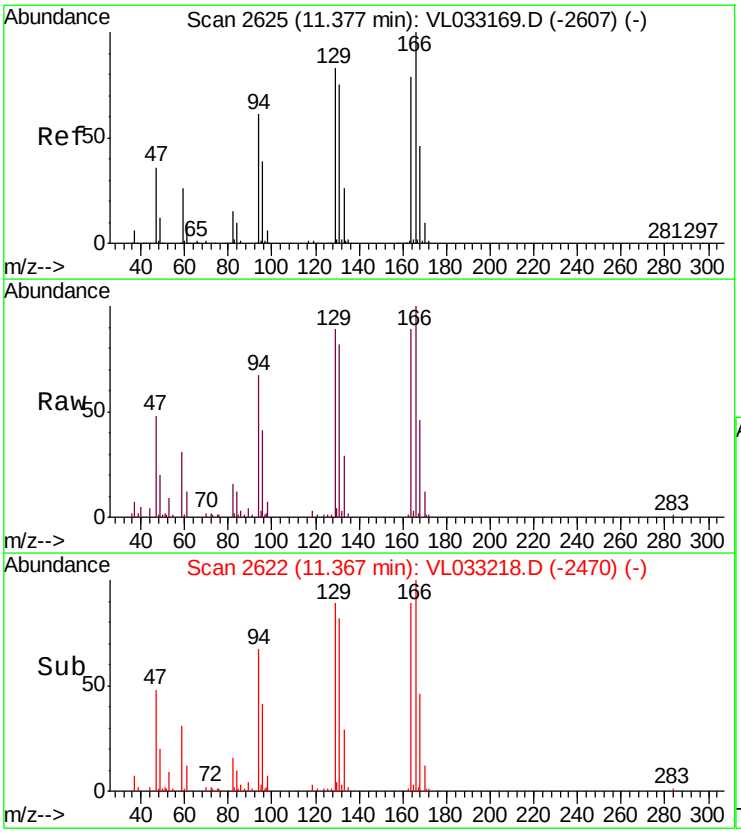


#47
1,1,2-Trichloroethane
Concen: 0.046 ppbv
RT: 9.61 min Scan# 2076
Delta R.T. -0.01 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion: 97 Resp: 3786

Ion	Ratio	Lower	Upper
97	100		
83	81.0	71.4	107.2
85	40.8	43.5	65.3#
99	48.5	51.4	77.0#

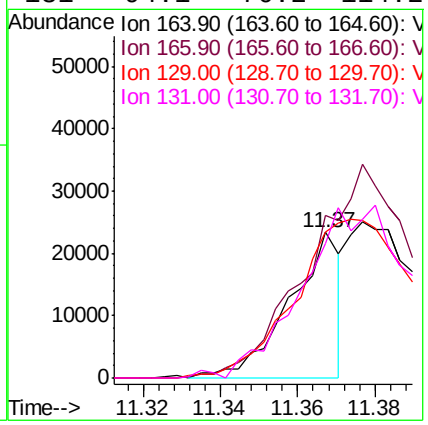


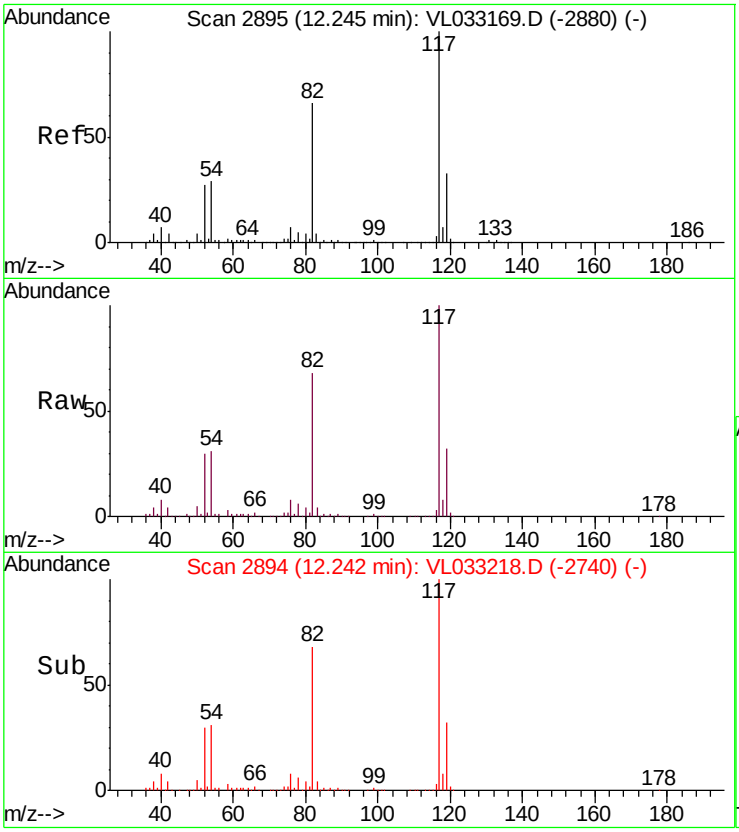


#52
Tetrachloroethene
Concen: 0.273 ppbv
RT: 11.37 min Scan# 2622
Delta R.T. -0.01 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion:164 Resp: 21024

Ion	Ratio	Lower	Upper
164	100		
166	110.9	100.9	151.3
129	102.3	83.9	125.9
131	94.1	76.2	114.2

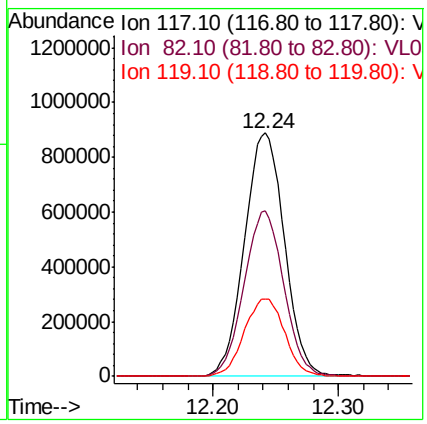


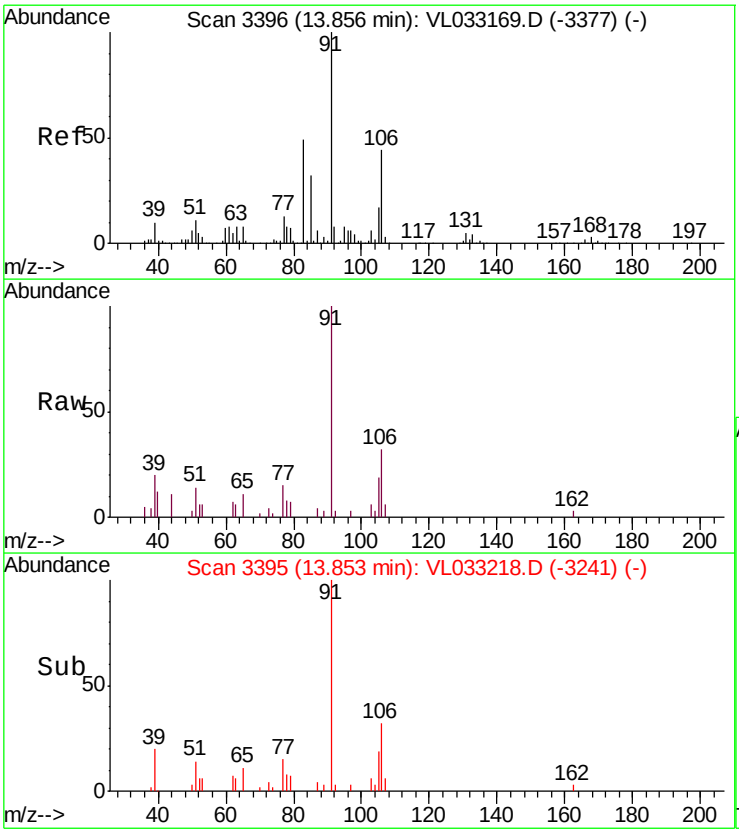


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion:117 Resp: 1966890

Ion	Ratio	Lower	Upper
117	100		
82	68.0	49.5	74.3
119	32.3	24.4	36.6

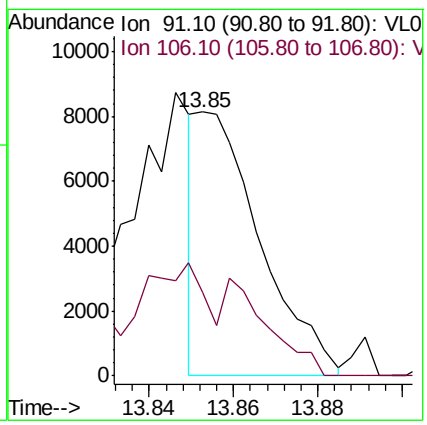


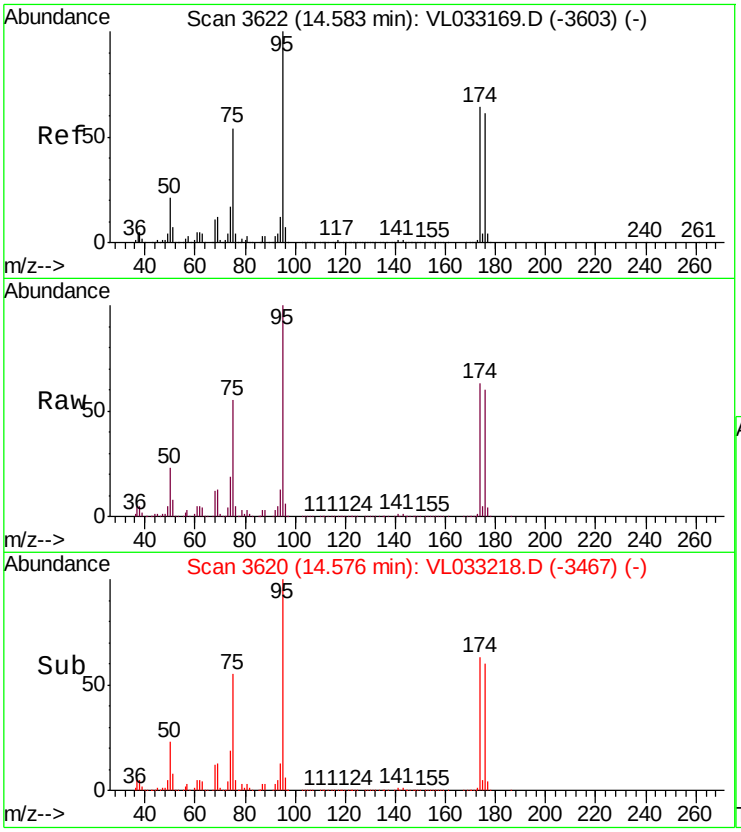


#60
o-Xylene
Concen: 0.033 ppbv
RT: 13.85 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion: 91 Resp: 8439

Ion	Ratio	Lower	Upper
91	100		
106	80.6	21.8	65.3#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.650 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033218.D
Acq: 15 Feb 2019 4:09

Tgt Ion: 95 Resp: 1613250

Ion	Ratio	Lower	Upper
95	100		
174	63.4	51.2	76.8
175	4.6	3.8	5.6