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

Quantitation Report (Not Reviewed)

Data File : VL033228.D
Acq On : 15 Feb 2019 12:19
Operator : SY/AP
Sample : K1483-06DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 16 04:14:29 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	5.76	49	699453	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1547639	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1819442	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1471291	10.50	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.00%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	3.01	51	2572	0.031	ppbv #	83
7) Chloroethane	3.60	64	2672	0.176	ppbv #	79
9) Propene	3.04	41	1430	0.035	ppbv #	34
12) 1,1,2-Trichlorotrifluoroet	4.55	101	6020	0.080	ppbv	96
13) Ethanol	3.67	45	6012	0.443	ppbv	71
15) Acetone	3.92	43	34136	0.433	ppbv	97
18) 1,1-Dichloroethene	4.35	96	2999	0.089	ppbv #	61
20) Methylene Chloride	4.41	84	23802	0.759	ppbv #	87
24) 1,1-Dichloroethane	5.09	63	159378	1.650	ppbv	98
26) Hexane	5.78	57	14070	0.169	ppbv #	37
32) 1,1,1-Trichloroethane	6.62	97	811620	5.783	ppbv	97
37) 1,2-Dichloroethane	6.62	62	59796	0.688	ppbv #	1
39) 1,2-Dichloropropane	7.29	63	421747	6.808	ppbv #	26

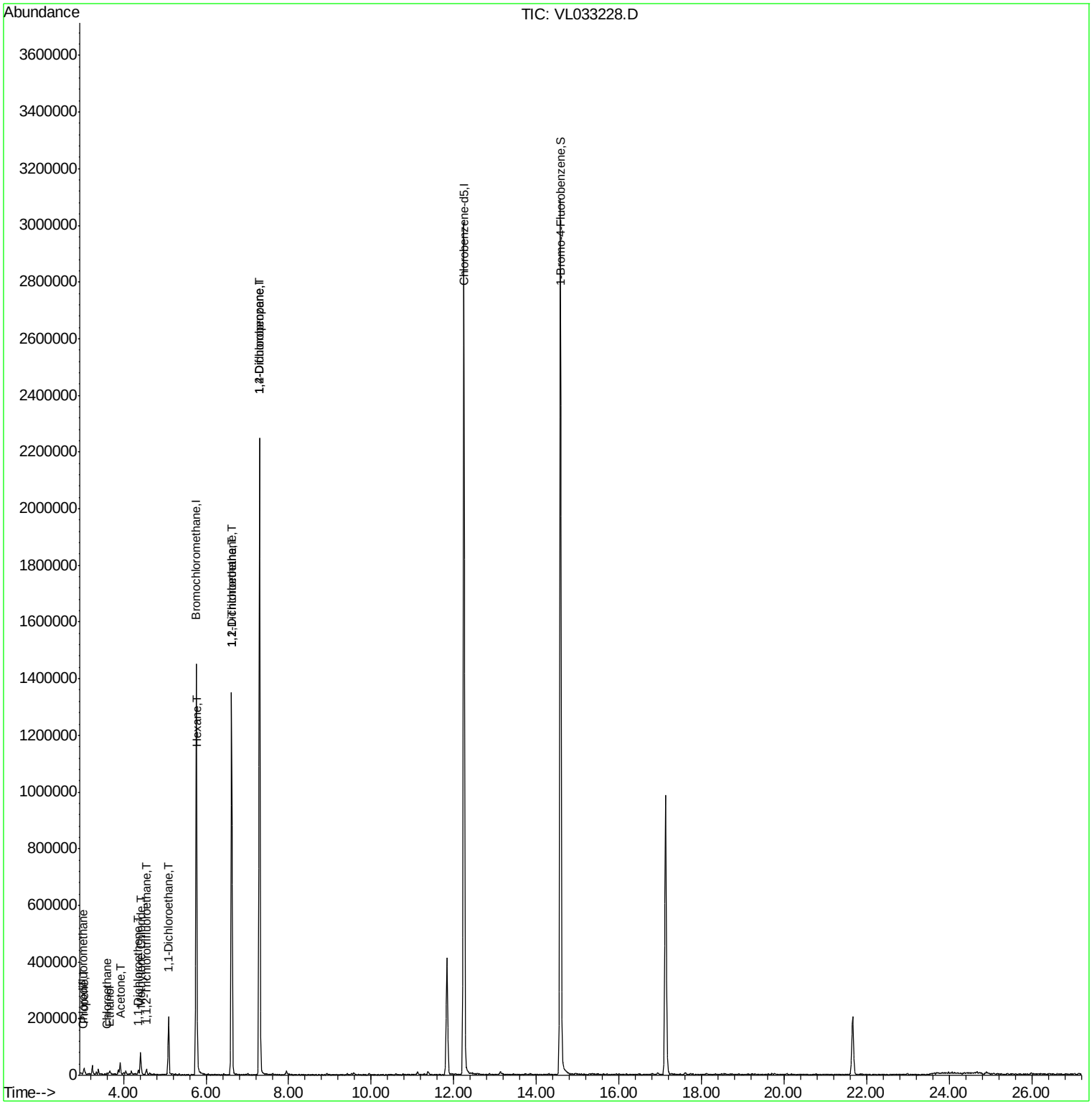
(#) = qualifier out of range (m) = manual integration (+) = signals summed

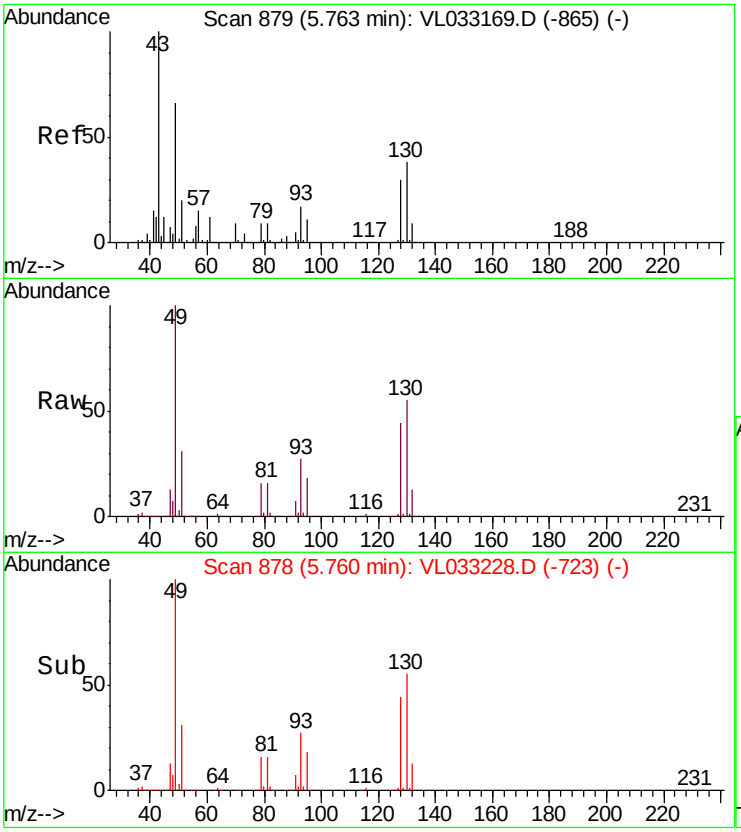
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021419\

Quantitation Report (Not Reviewed)

Data File : VL033228.D
Acq On : 15 Feb 2019 12:19
Operator : SY/AP
Sample : K1483-06DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 16 04:14:29 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

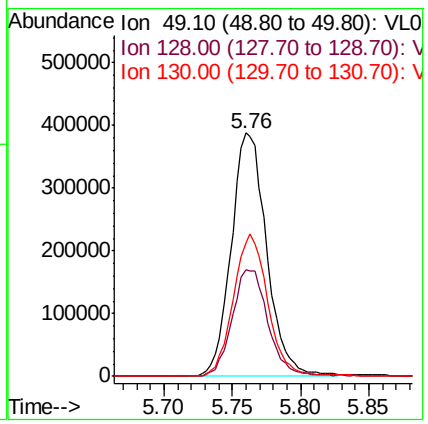


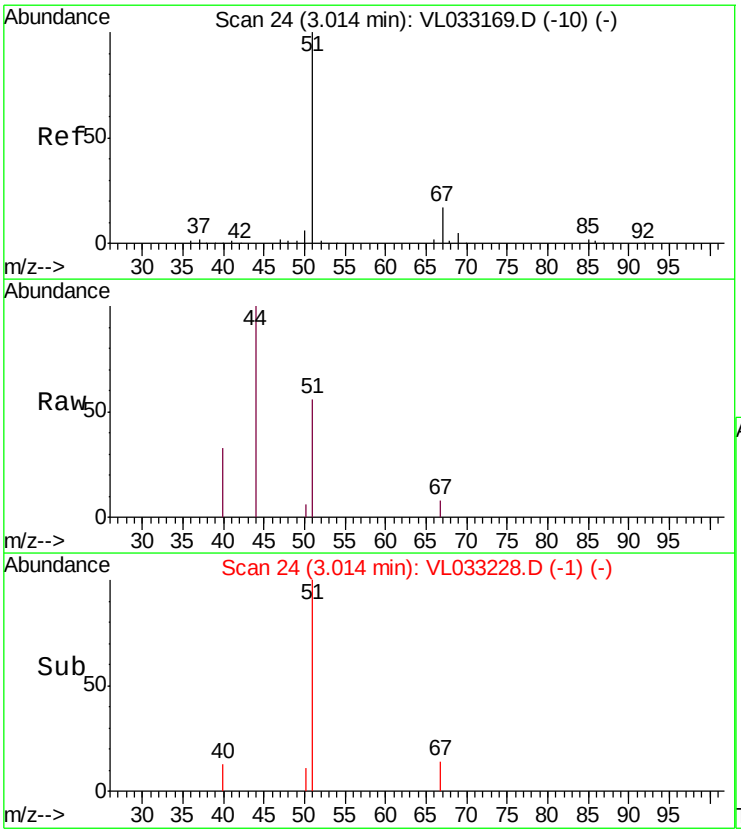


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.00 min
Lab File: VL033228.D
Acq: 15 Feb 2019 12:19

Tgt Ion: 49 Resp: 699453

Ion	Ratio	Lower	Upper
49	100		
128	44.7	23.6	71.0
130	57.3	30.3	91.0

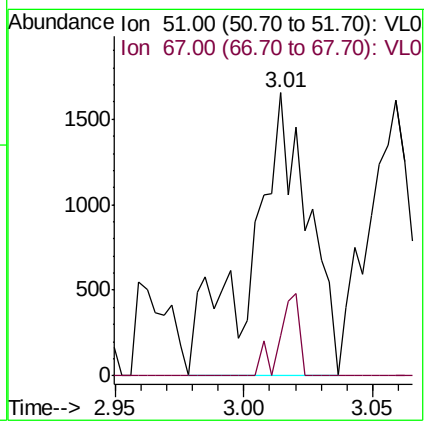


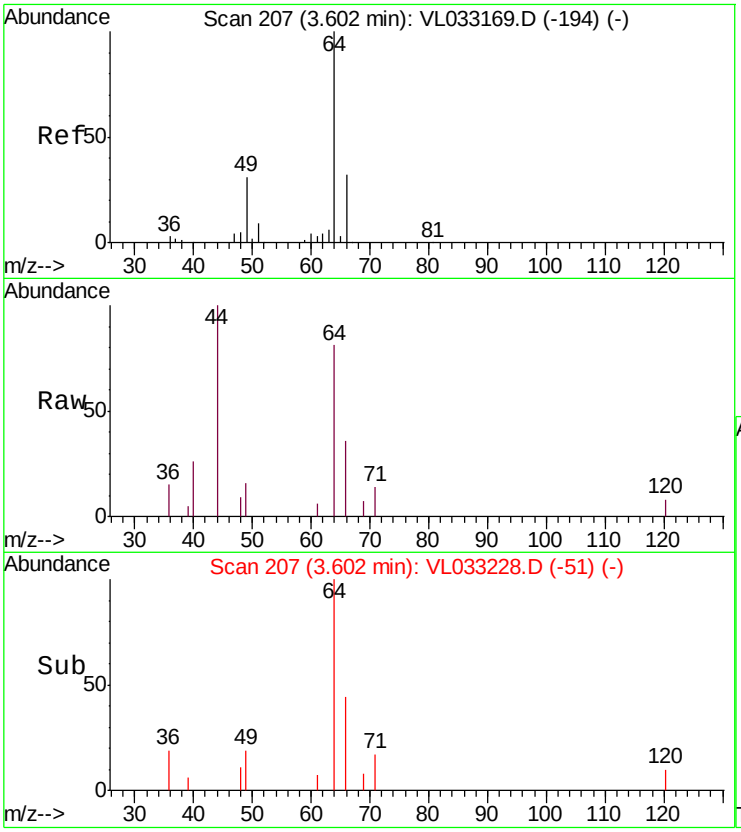


#3
Chlorodifluoromethane
Concen: 0.031 ppbv
RT: 3.01 min Scan# 24
Delta R.T. 0.00 min
Lab File: VL033228.D
Acq: 15 Feb 2019 12:19

Tgt Ion: 51 Resp: 2572

Ion	Ratio	Lower	Upper
51	100		
67	10.1	14.0	21.0#

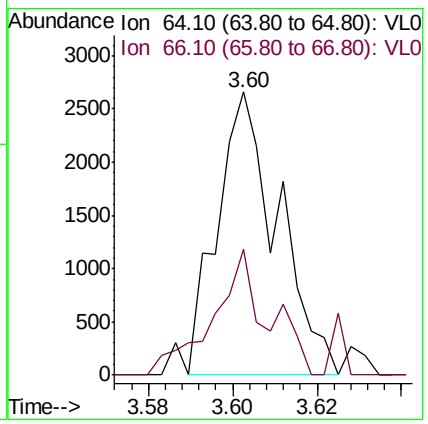


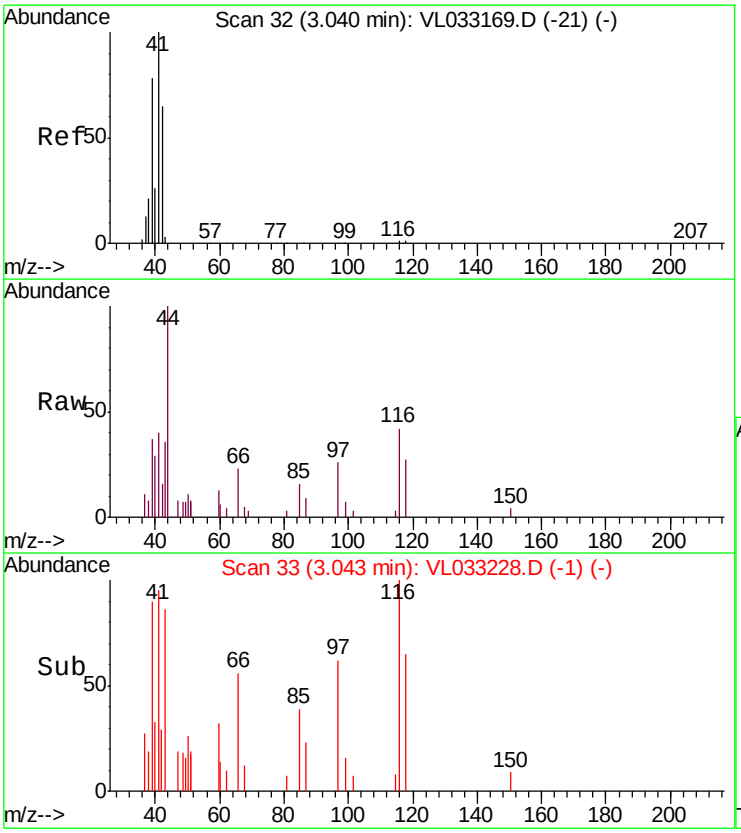


#7
Chloroethane
Concen: 0.176 ppbv
RT: 3.60 min Scan# 207
Delta R.T. 0.00 min
Lab File: VL033228.D
Acq: 15 Feb 2019 12:19

Tgt Ion: 64 Resp: 2672

Ion	Ratio	Lower	Upper
64	100		
66	44.4	26.0	39.0#

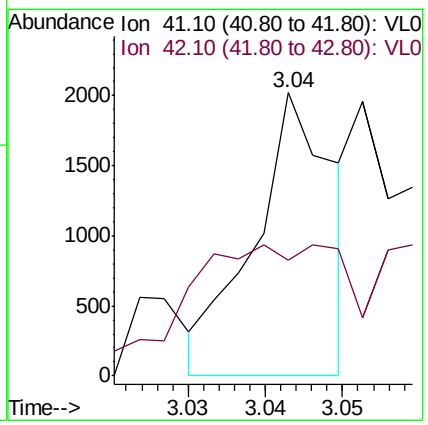


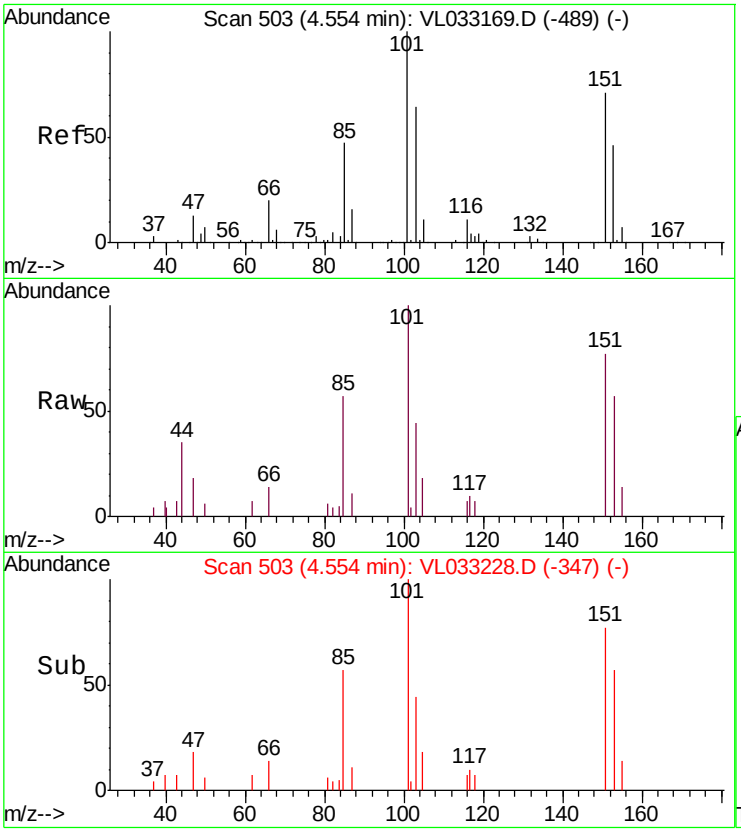


#9
Propene
Concen: 0.035 ppbv
RT: 3.04 min Scan# 33
Delta R.T. 0.00 min
Lab File: VL033228.D
Acq: 15 Feb 2019 12:19

Tgt Ion: 41 Resp: 1430

Ion	Ratio	Lower	Upper
41	100		
42	122.2	55.0	82.6#

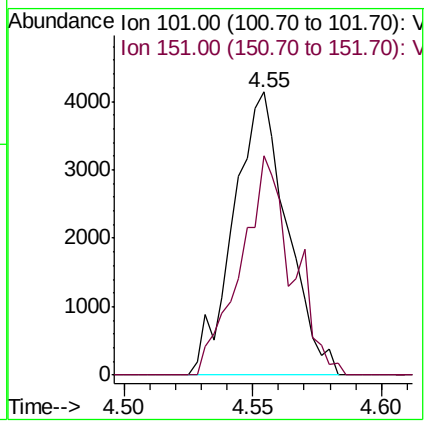


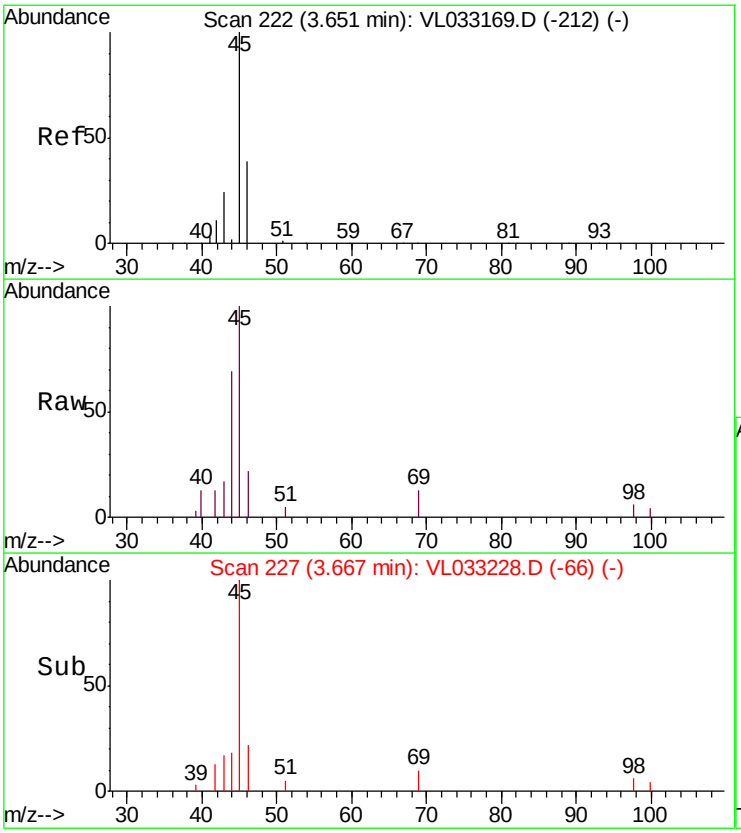


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.080 ppbv
RT: 4.55 min Scan# 503
Delta R.T. 0.00 min
Lab File: VL033228.D
Acq: 15 Feb 2019 12:19

Tgt Ion:101 Resp: 6020

Ion	Ratio	Lower	Upper
101	100		
151	74.7	57.4	86.0

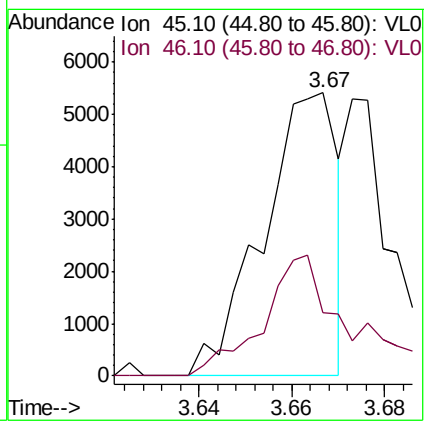


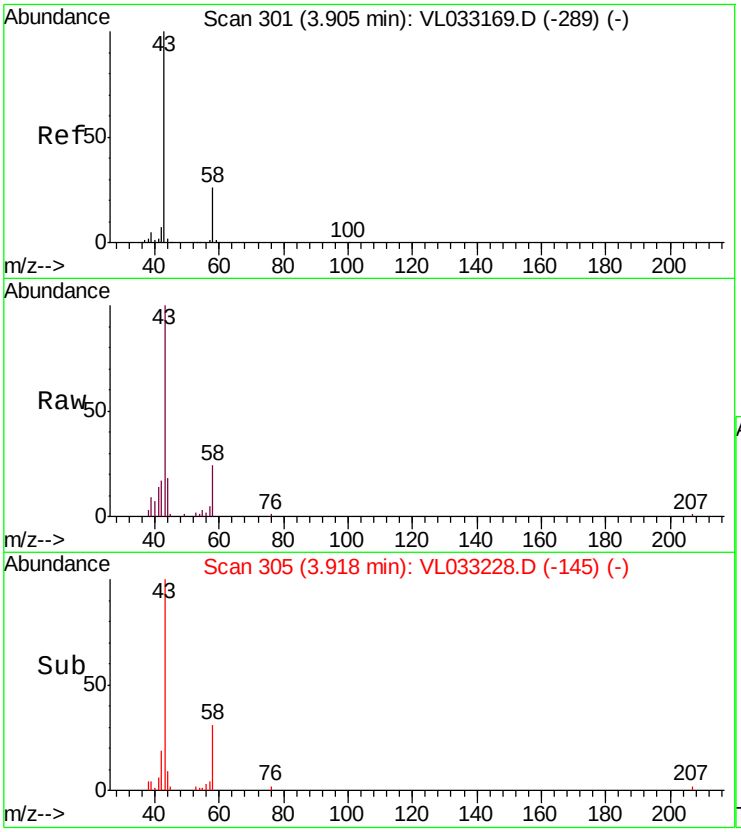


#13
Ethanol
Concen: 0.443 ppbv
RT: 3.67 min Scan# 227
Delta R.T. 0.02 min
Lab File: VL033228.D
Acq: 15 Feb 2019 12:19

Tgt Ion: 45 Resp: 6012

Ion	Ratio	Lower	Upper
45	100		
46	55.2	15.0	60.2

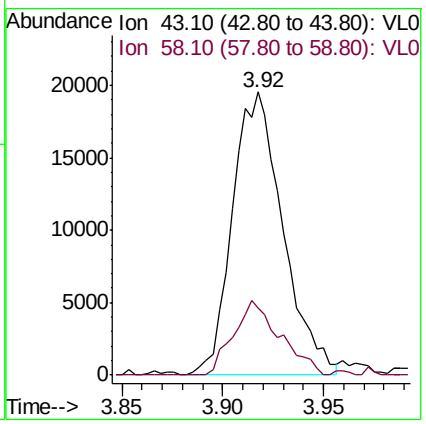


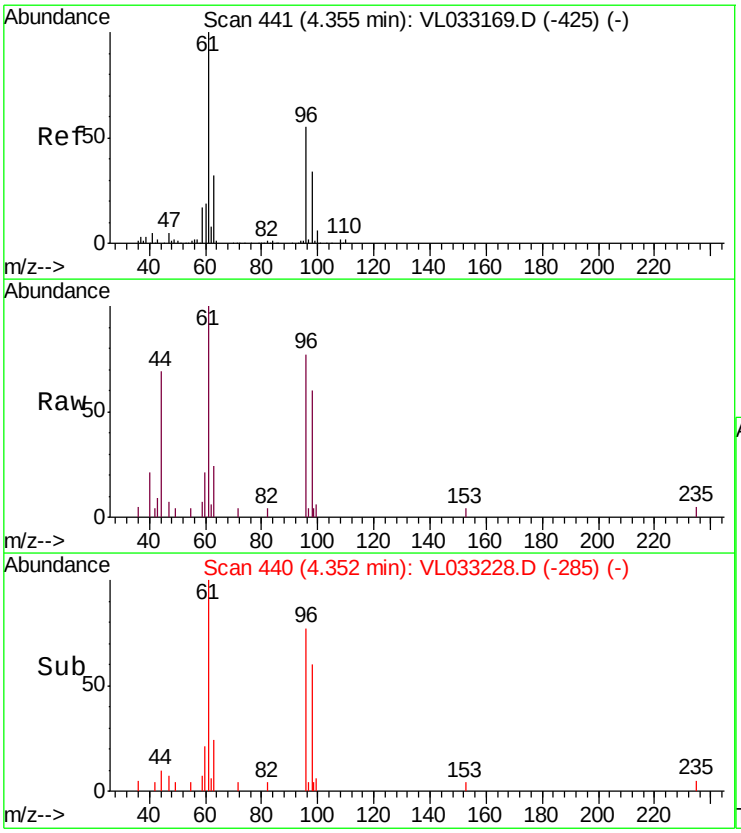


#15
Acetone
Concen: 0.433 ppbv
RT: 3.92 min Scan# 305
Delta R.T. 0.01 min
Lab File: VL033228.D
Acq: 15 Feb 2019 12:19

Tgt Ion: 43 Resp: 34136

Ion	Ratio	Lower	Upper
43	100		
58	24.8	21.1	31.7

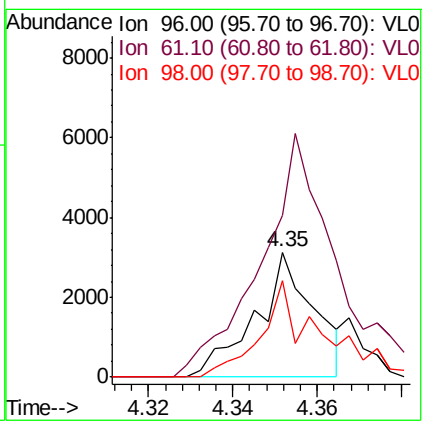


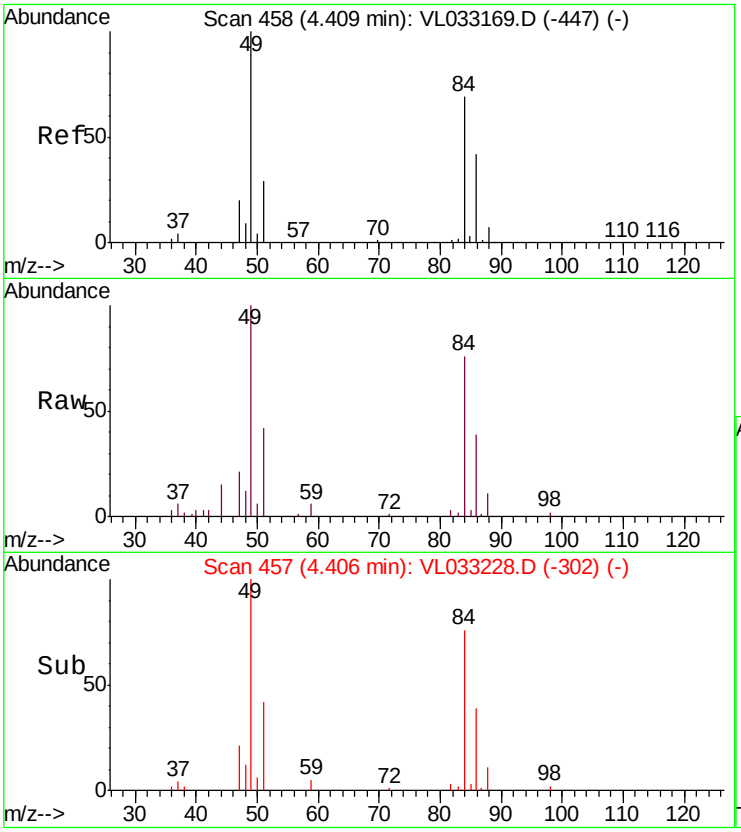


#18
1,1-Dichloroethene
Concen: 0.089 ppbv
RT: 4.35 min Scan# 440
Delta R.T. -0.00 min
Lab File: VL033228.D
Acq: 15 Feb 2019 12:19

Tgt Ion: 96 Resp: 2999

Ion	Ratio	Lower	Upper
96	100		
61	119.5	145.0	217.6#
98	82.8	50.0	75.0#

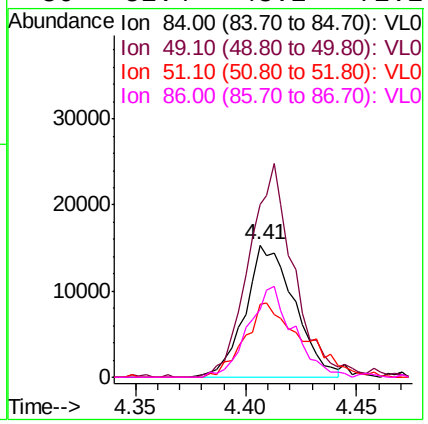


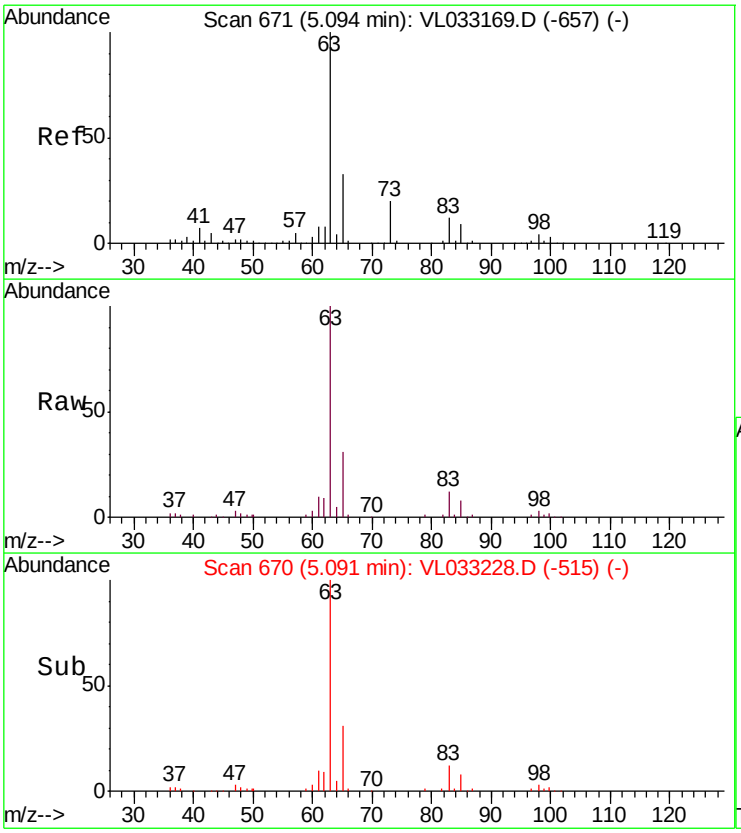


#20
Methylene Chloride
Concen: 0.759 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.00 min
Lab File: VL033228.D
Acq: 15 Feb 2019 12:19

Tgt Ion: 84 Resp: 23802

Ion	Ratio	Lower	Upper
84	100		
49	131.0	115.8	173.8
51	54.7	33.0	49.6#
86	52.4	48.2	72.2

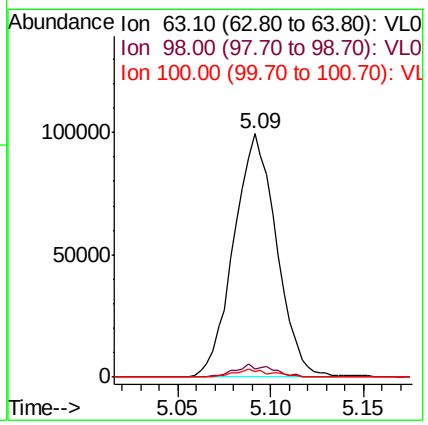


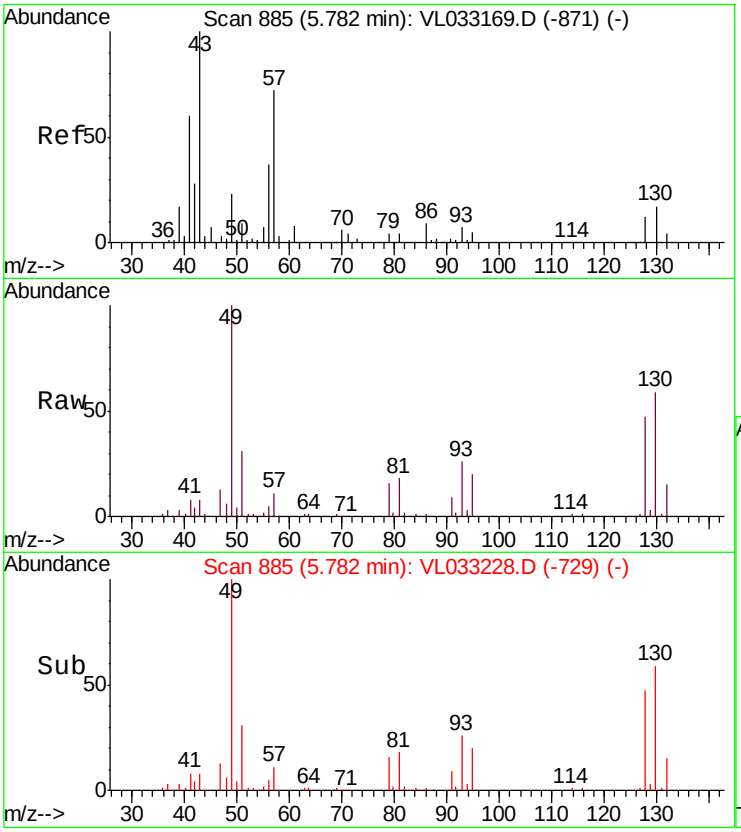


#24
1,1-Dichloroethane
Concen: 1.650 ppbv
RT: 5.09 min Scan# 670
Delta R.T. -0.00 min
Lab File: VL033228.D
Acq: 15 Feb 2019 12:19

Tgt Ion: 63 Resp: 159378

Ion	Ratio	Lower	Upper
63	100		
98	3.3	2.1	6.5
100	2.3	1.4	4.2

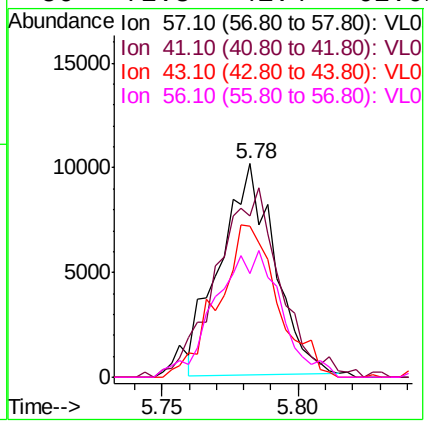


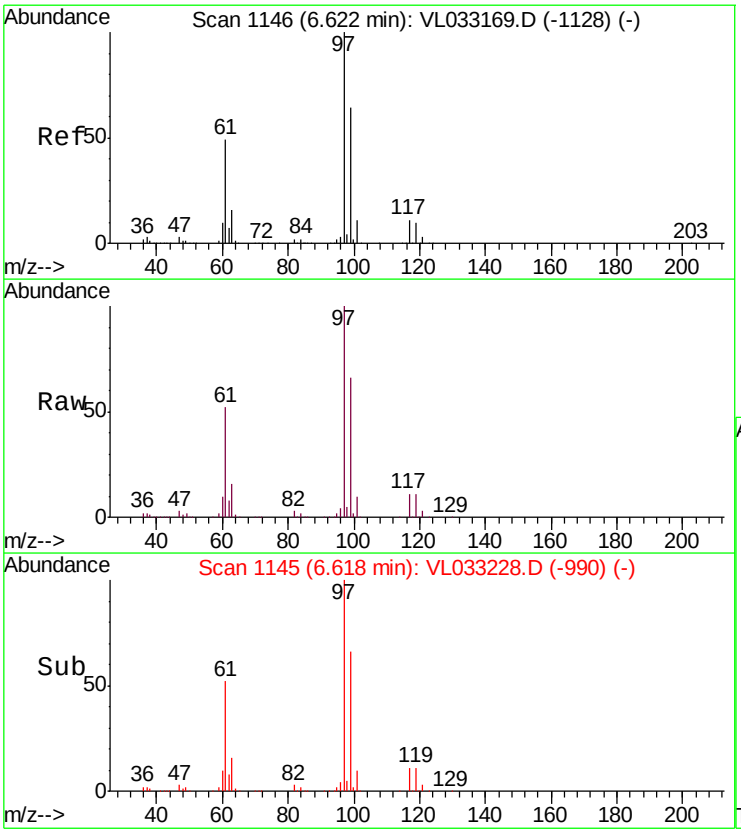


#26
Hexane
Concen: 0.169 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033228.D
Acq: 15 Feb 2019 12:19

Tgt Ion: 57 Resp: 14070

Ion	Ratio	Lower	Upper
57	100		
41	105.2	69.4	104.2#
43	78.7	176.7	265.1#
56	72.3	41.4	62.0#

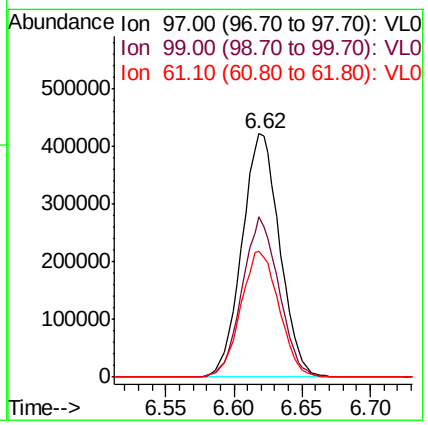


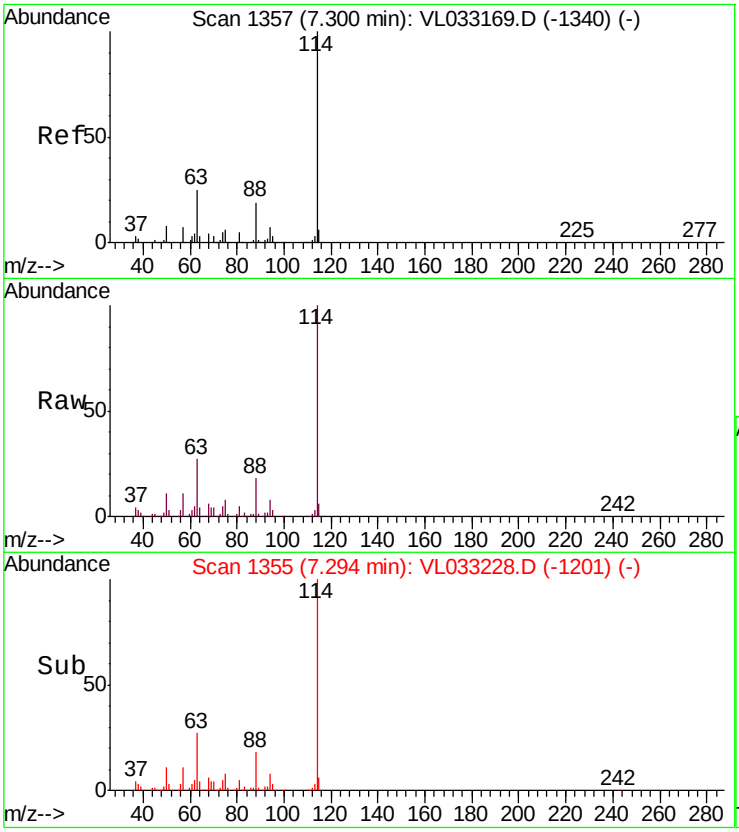


#32
1,1,1-Trichloroethane
Concen: 5.783 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. -0.00 min
Lab File: VL033228.D
Acq: 15 Feb 2019 12:19

Tgt Ion: 97 Resp: 811620

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.2
61	52.6	38.9	58.3

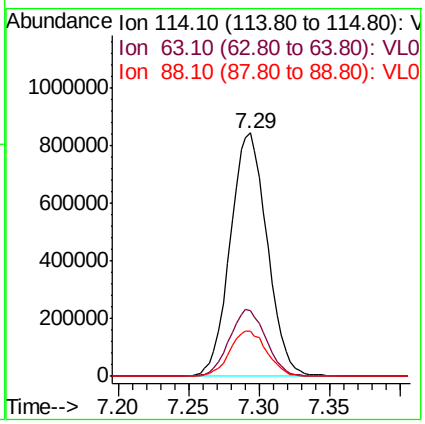


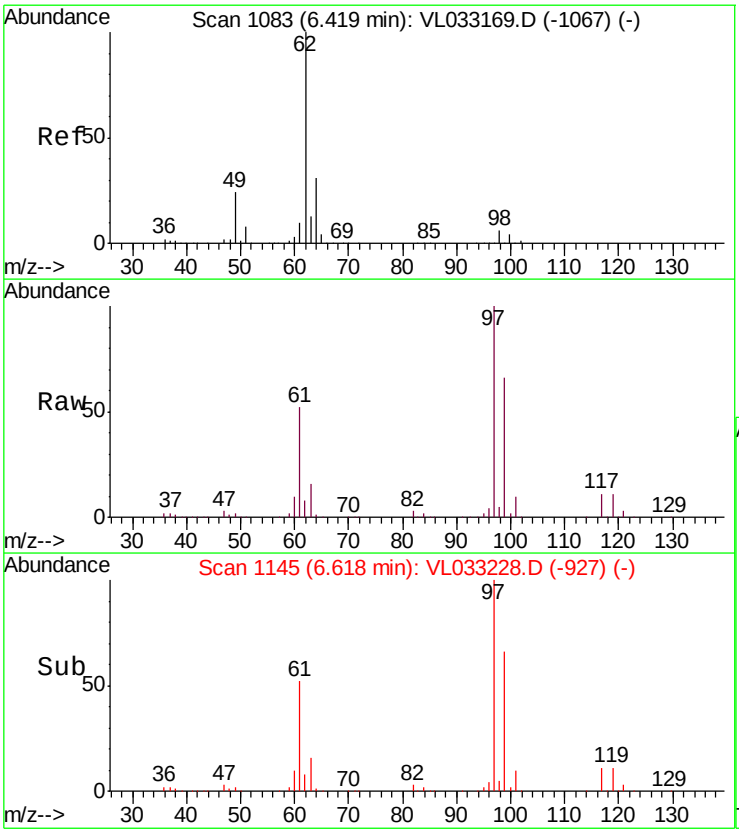


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL033228.D
Acq: 15 Feb 2019 12:19

Tgt Ion:114 Resp: 1547639

Ion	Ratio	Lower	Upper
114	100		
63	27.4	20.8	31.2
88	18.7	14.6	22.0

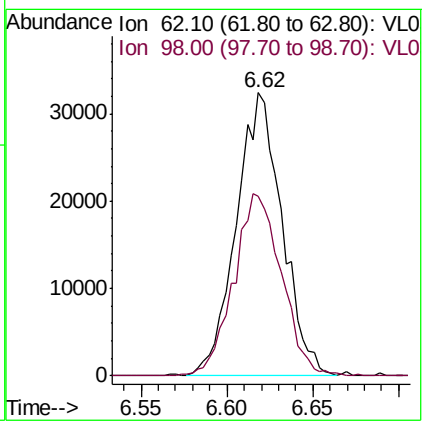


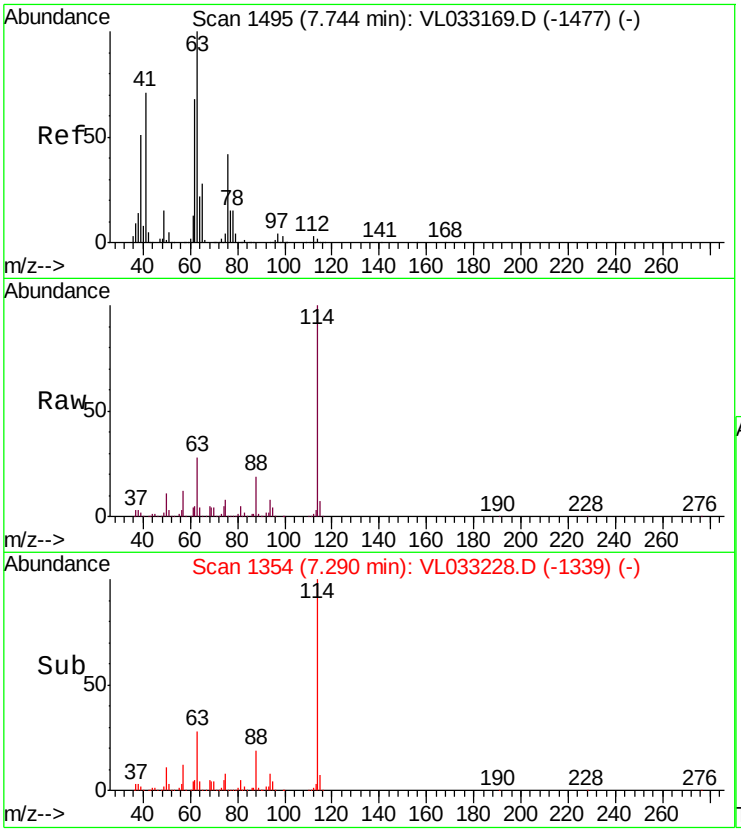


#37
1,2-Dichloroethane
Concen: 0.688 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. 0.20 min
Lab File: VL033228.D
Acq: 15 Feb 2019 12:19

Tgt Ion: 62 Resp: 59796

Ion	Ratio	Lower	Upper
62	100		
98	67.4	4.7	7.1#

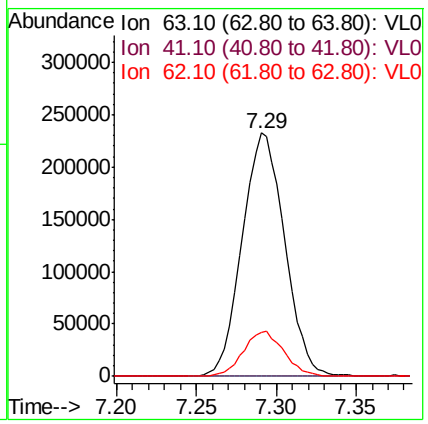


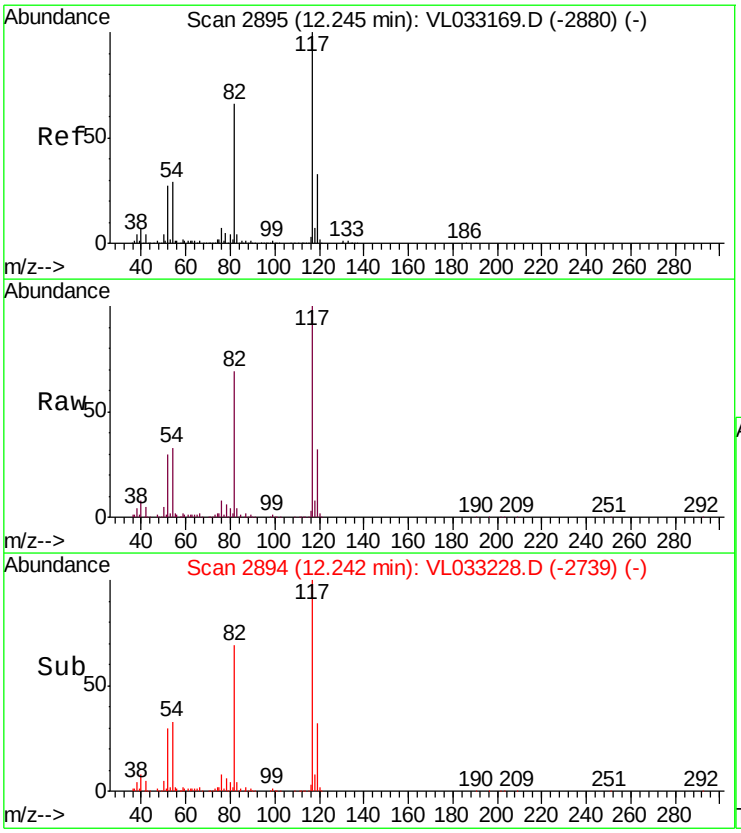


#39
1,2-Dichloropropane
Concen: 6.808 ppbv
RT: 7.29 min Scan# 1354
Delta R.T. -0.45 min
Lab File: VL033228.D
Acq: 15 Feb 2019 12:19

Tgt Ion: 63 Resp: 421747

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.4	84.6#
62	17.9	54.2	81.4#

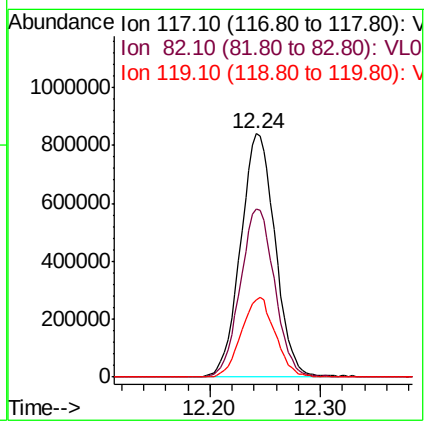


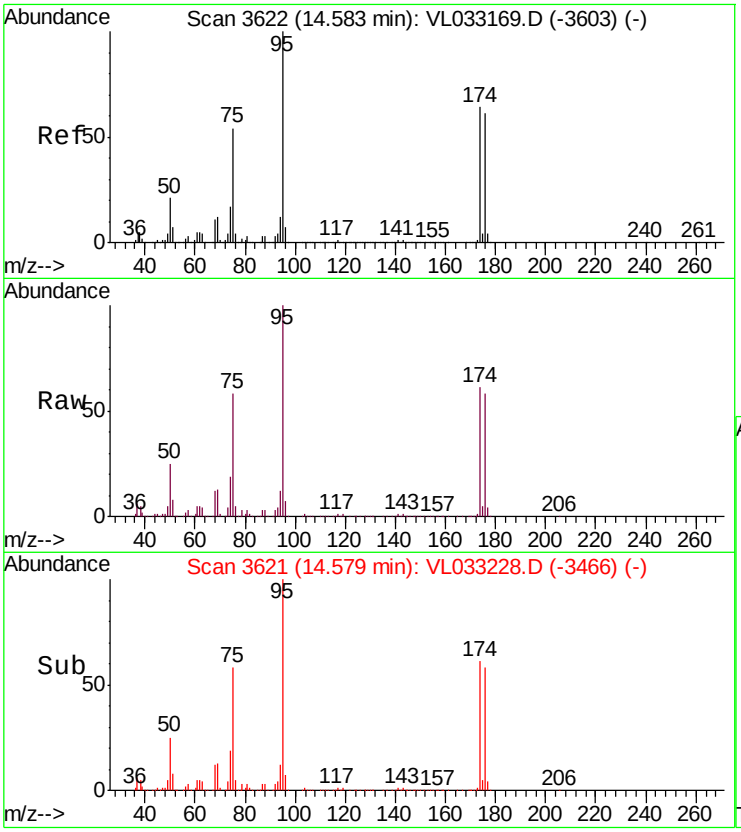


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.00 min
Lab File: VL033228.D
Acq: 15 Feb 2019 12:19

Tgt Ion:117 Resp: 1819442

Ion	Ratio	Lower	Upper
117	100		
82	69.2	49.5	74.3
119	32.4	24.4	36.6





#68
1-Bromo-4-Fluorobenzene
Concen: 10.500 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.00 min
Lab File: VL033228.D
Acq: 15 Feb 2019 12:19

Tgt Ion: 95 Resp: 1471291

Ion	Ratio	Lower	Upper
95	100		
174	63.1	51.2	76.8
175	4.5	3.8	5.6