Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021820\

Quantitation Report (Not Reviewed)

Data File : VL034635.D
Acq On : 18 Feb 2020 22:20
Operator : SY/AP
Sample : L1532-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IR-BRSS

Quant Time: Feb 19 06:06:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	897533	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	1802151	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	1794217	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.45	95	1580380	10.42	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.01	85	47834	0.242	ppbv		97
3) Chlorodifluoromethane	2.95	51	68651	0.633	ppbv	#	83
4) Chloromethane	3.11	50	14504	0.219	ppbv	#	85
9) Propene	2.98	41	48721	1.154	ppbv	#	75
11) Trichlorofluoromethane	3.92	101	45964	0.256	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	8786	0.075	ppbv		84
13) Ethanol	3.57	45	270921	23.953	ppbv		99
15) Acetone	3.82	43	1298462	9.844	ppbv		98
16) 1,3-Butadiene	3.30	39	1733	0.033	ppbv	#	1
19) Isopropyl Alcohol	3.96	45	17292	0.225	ppbv	#	94
20) Methylene Chloride	4.32	84	75683	1.507	ppbv		92
25) Ethyl Acetate	5.68	43	46417	0.217	ppbv	#	79
26) Hexane	5.67	57	61657	0.689	ppbv	#	39
29) Chloroform	5.74	83	24189	0.153	ppbv	#	74
31) cis-1,2-Dichloroethene	5.54	61	442302	4.759	ppbv		95
34) 2-Butanone	5.23	43	53314	0.407	ppbv		97
36) Benzene	6.89	78	18270	0.114	ppbv	#	73
38) Trichloroethene	7.84	130	80355	1.189	ppbv		91
39) 1,2-Dichloropropane	7.18	63	528617	7.957	ppbv	#	20
52) Tetrachloroethene	11.25	164	967785	15.032	ppbv		97
53) Toluene	9.83	91	77466	0.440	ppbv		98
61) Styrene	13.55	104	6680	0.047	ppbv	#	14
71) 2-Chlorotoluene	15.35	91	206696	0.986	ppbv	#	45

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

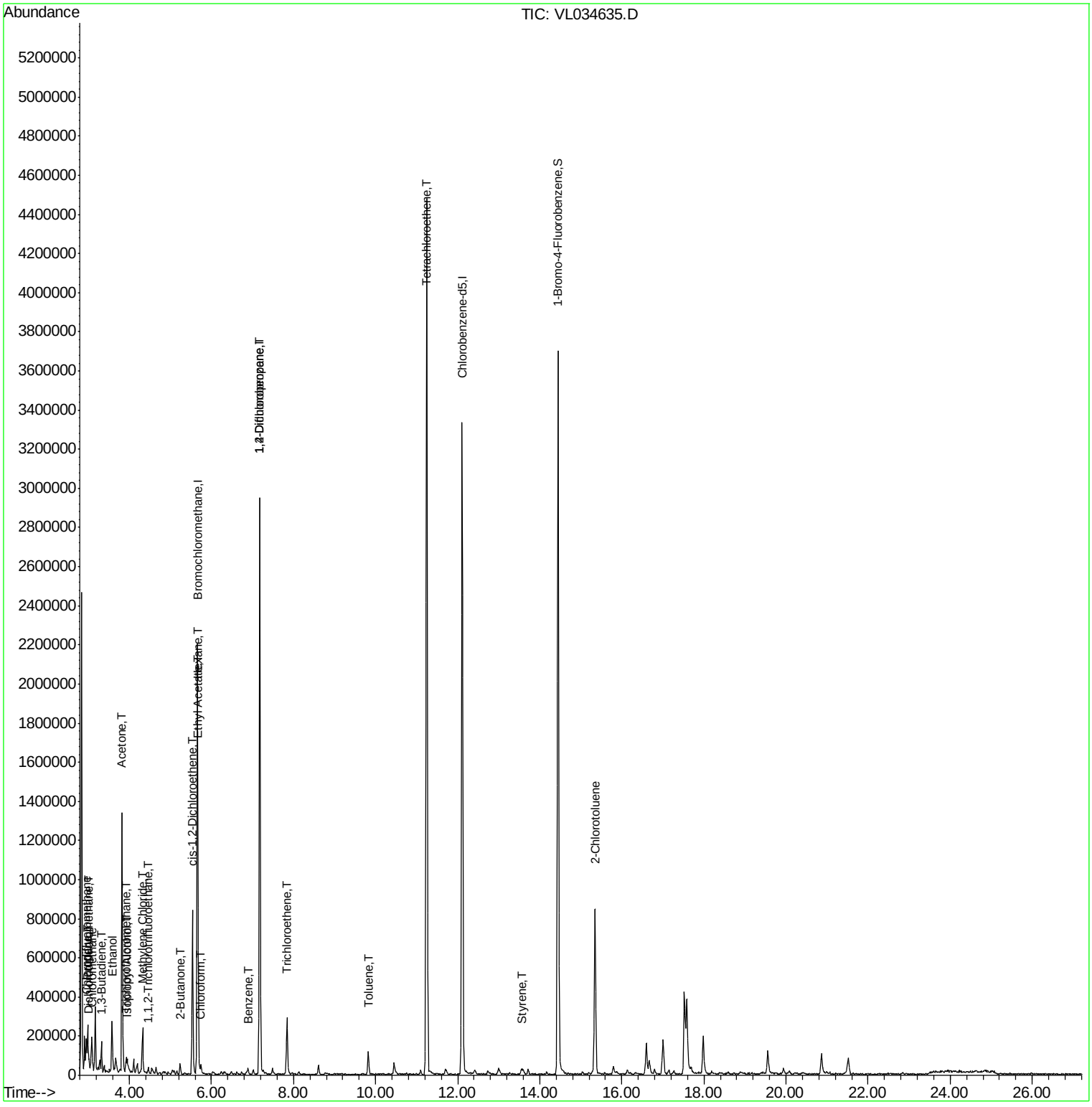
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021820\

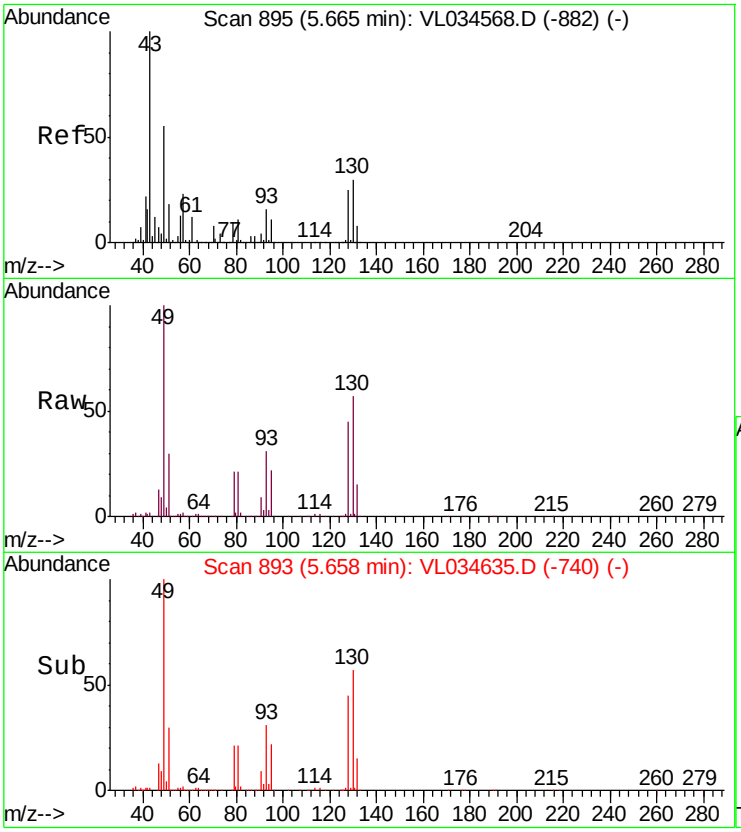
Quantitation Report (Not Reviewed)

Data File : VL034635.D
Acq On : 18 Feb 2020 22:20
Operator : SY/AP
Sample : L1532-09
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IR-BRSS

Quant Time: Feb 19 06:06:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration



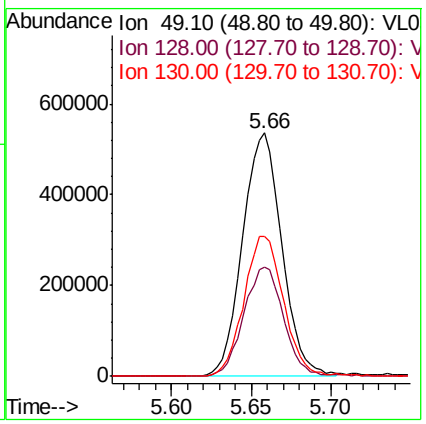


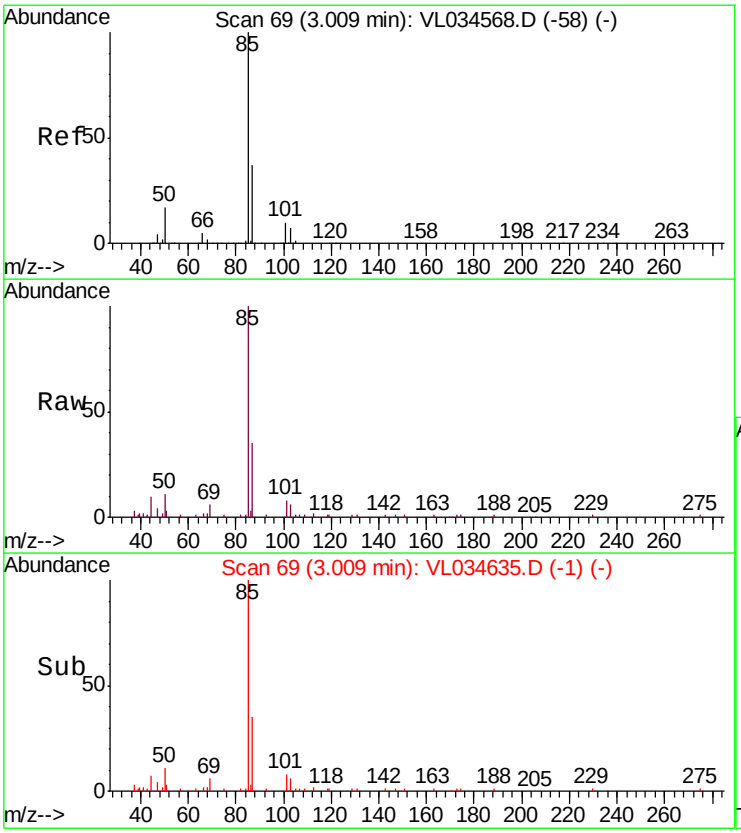
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Instrument :
MSVOA_L
ClientSampleId :
IR-BRSS

Tgt Ion: 49 Resp: 897533

Ion	Ratio	Lower	Upper
49	100		
128	45.7	22.7	68.1
130	58.6	28.6	85.8

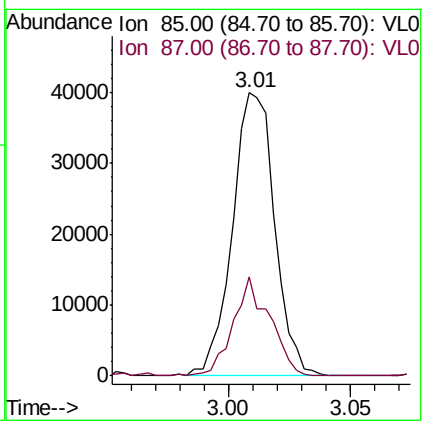


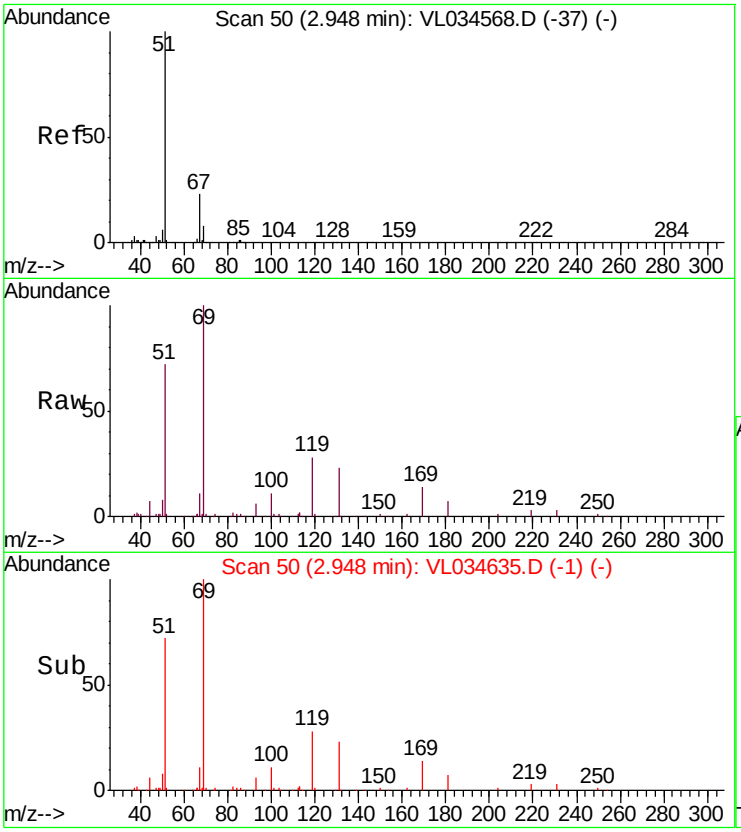


#2
Dichlorodifluoromethane
Concen: 0.242 ppbv
RT: 3.01 min Scan# 69
Delta R.T. -0.00 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Tgt Ion: 85 Resp: 47834

Ion	Ratio	Lower	Upper
85	100		
87	34.9	29.5	44.3



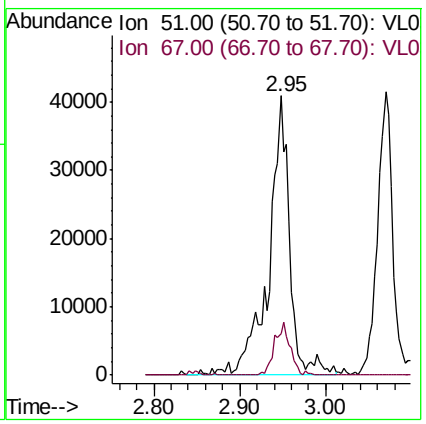


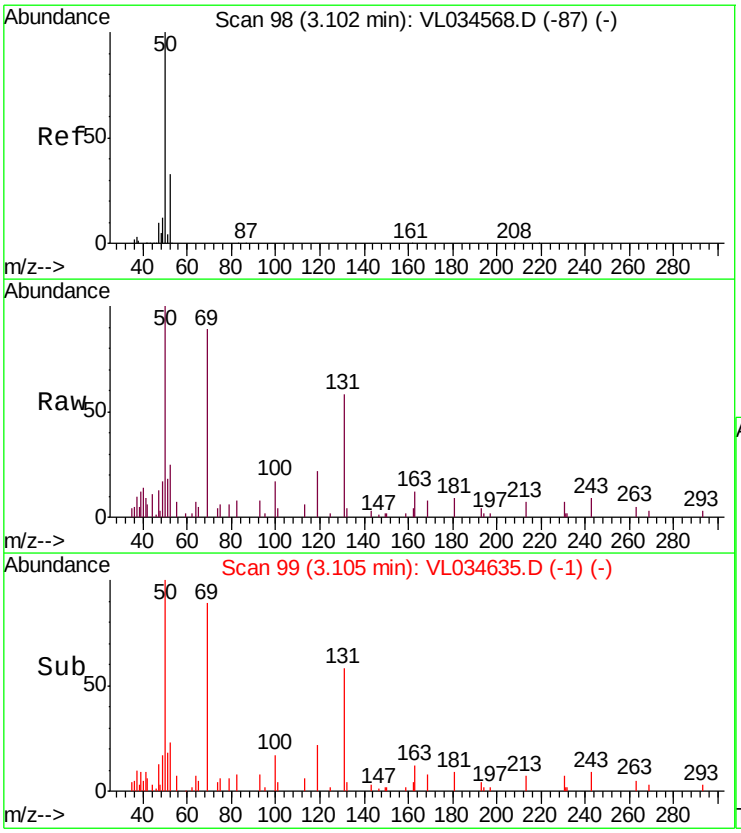
#3
Chlorodifluoromethane
Concen: 0.633 ppbv
RT: 2.95 min Scan# 50
Delta R.T. -0.00 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Instrument :
MSVOA_L
ClientSampleId :
IR-BRSS

Tgt Ion: 51 Resp: 68651

Ion	Ratio	Lower	Upper
51	100		
67	14.1	17.8	26.8#

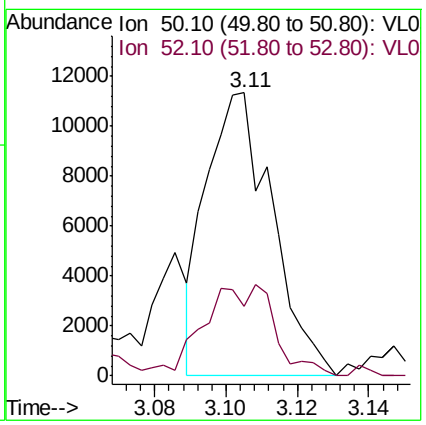


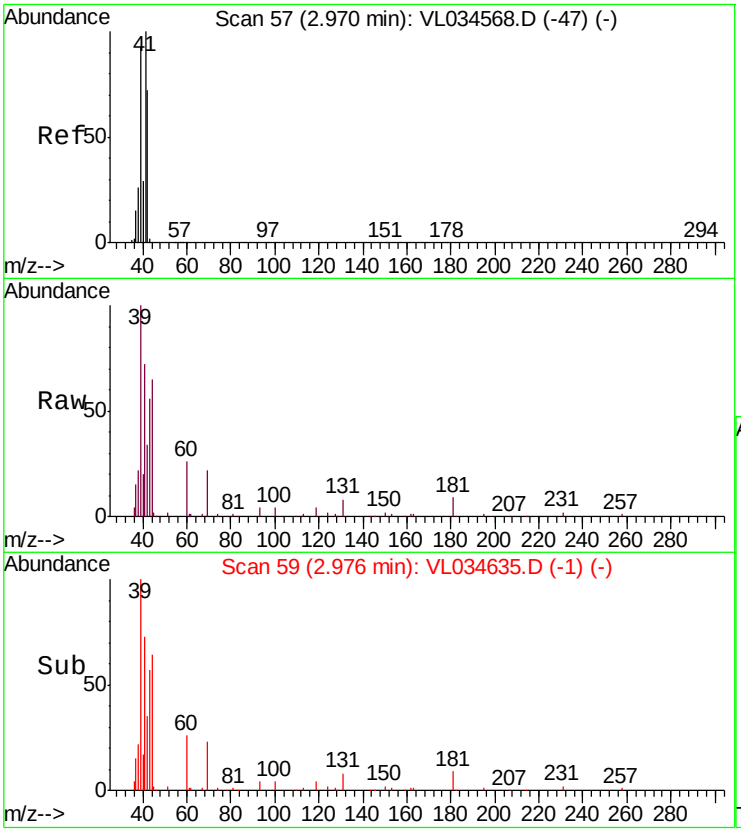


#4
Chloromethane
Concen: 0.219 ppbv
RT: 3.11 min Scan# 99
Delta R.T. 0.00 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Tgt Ion: 50 Resp: 14504

Ion	Ratio	Lower	Upper
50	100		
52	24.5	26.6	39.8#



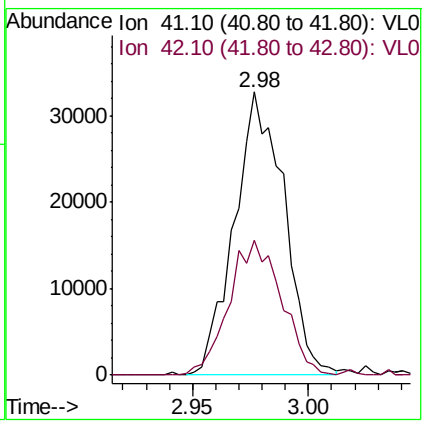


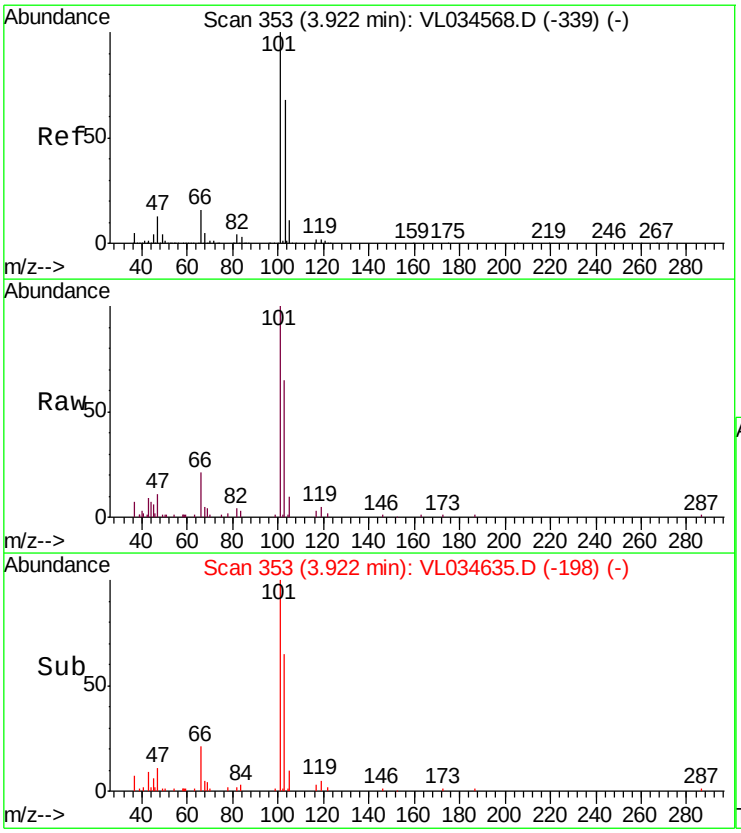
#9
Propene
Concen: 1.154 ppbv
RT: 2.98 min Scan# 59
Delta R.T. 0.01 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Instrument : MSVOA_L
ClientSampleId : IR-BRSS

Tgt Ion: 41 Resp: 48721

Ion	Ratio	Lower	Upper
41	100		
42	50.8	57.0	85.4#

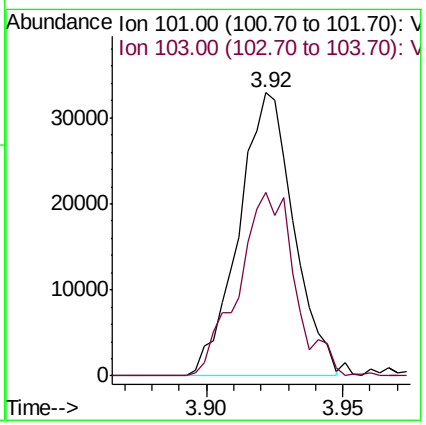


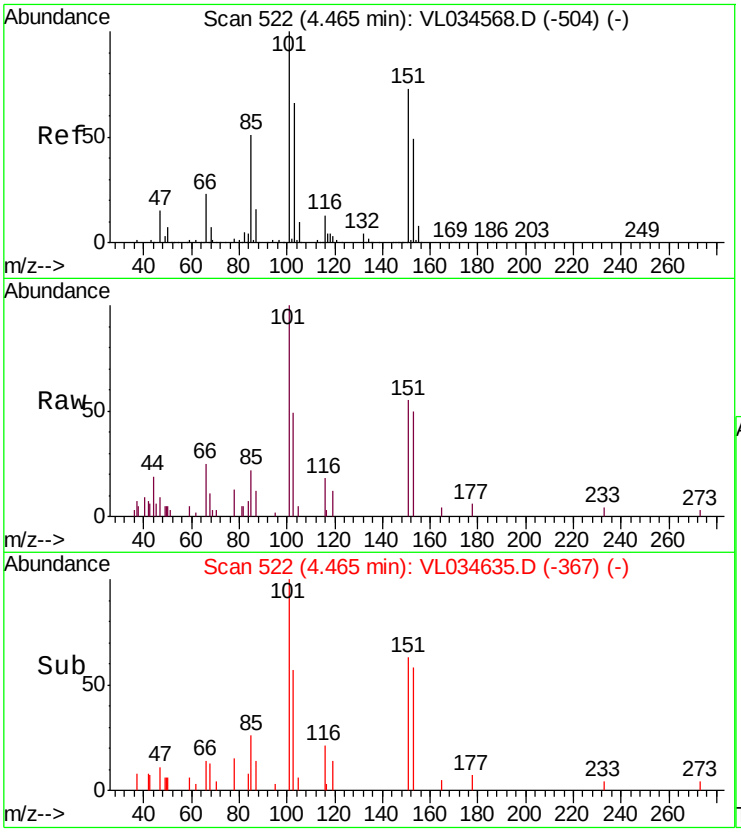


#11
Trichlorofluoromethane
Concen: 0.256 ppbv
RT: 3.92 min Scan# 353
Delta R.T. -0.00 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Tgt Ion:101 Resp: 45964

Ion	Ratio	Lower	Upper
101	100		
103	65.0	54.4	81.6



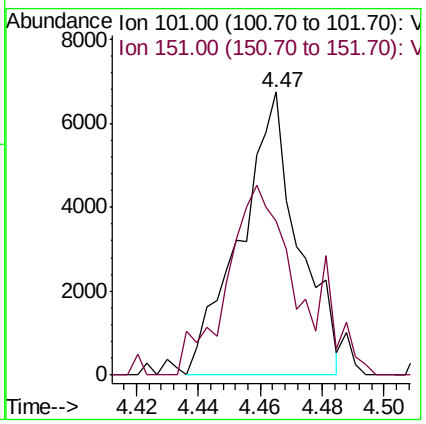


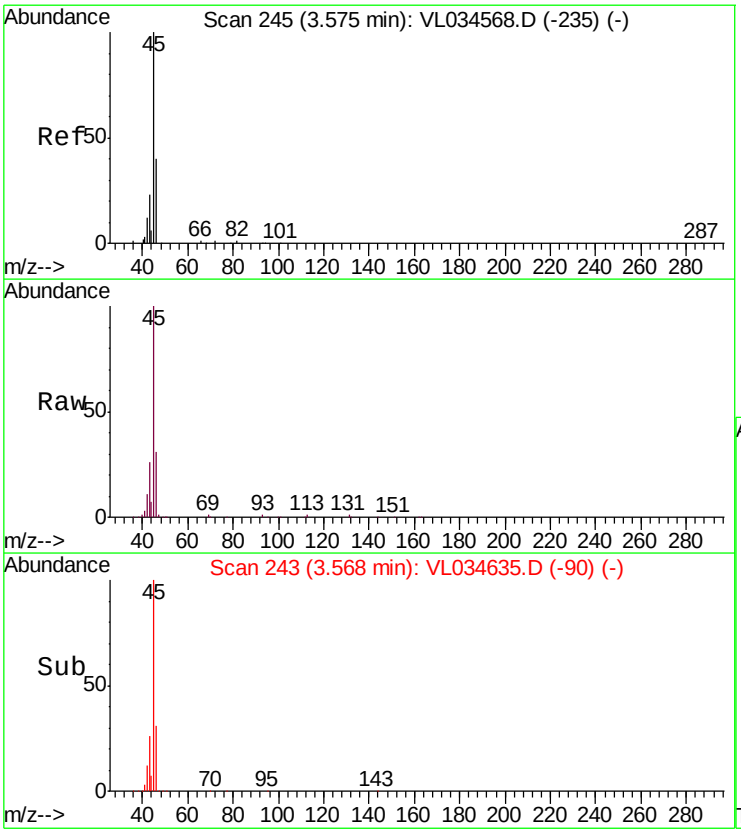
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.075 ppbv
RT: 4.47 min Scan# 522
Delta R.T. -0.00 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Instrument :
MSVOA_L
ClientSampleId :
IR-BRSS

Tgt Ion:101 Resp: 8786

Ion	Ratio	Lower	Upper
101	100		
151	84.2	57.0	85.6

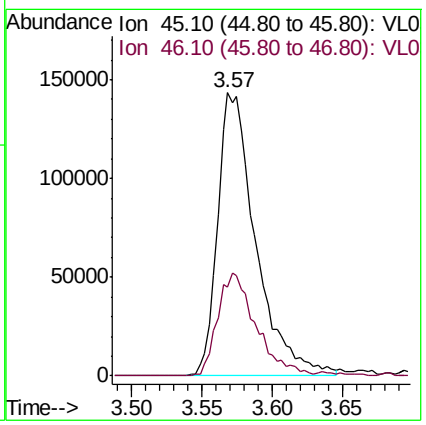


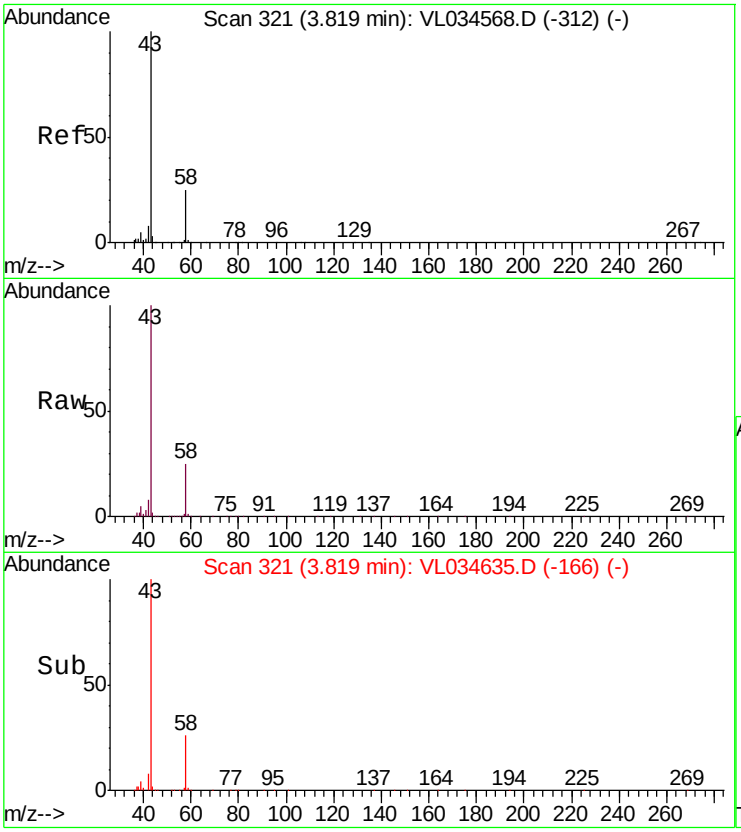


#13
Ethanol
Concen: 23.953 ppbv
RT: 3.57 min Scan# 243
Delta R.T. -0.01 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Tgt Ion: 45 Resp: 270921

Ion	Ratio	Lower	Upper
45	100		
46	37.6	14.8	59.2



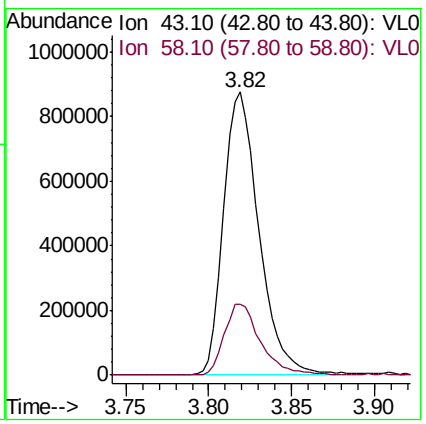


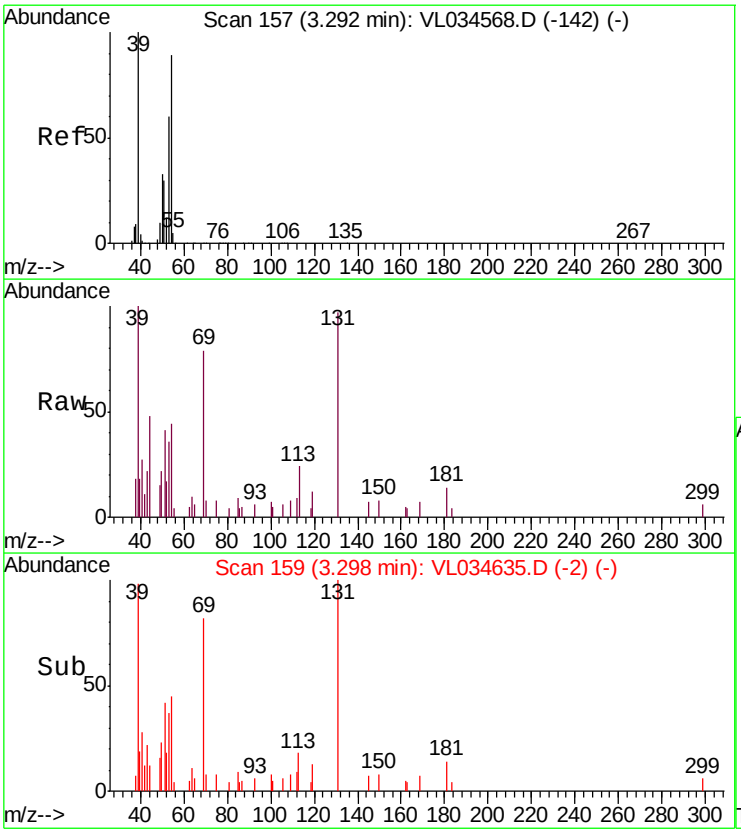
#15
Acetone
Concen: 9.844 ppbv
RT: 3.82 min Scan# 321
Delta R.T. -0.00 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Instrument :
MSVOA_L
ClientSampleId :
IR-BRSS

Tgt Ion: 43 Resp: 1298462

Ion	Ratio	Lower	Upper
43	100		
58	26.2	20.3	30.5

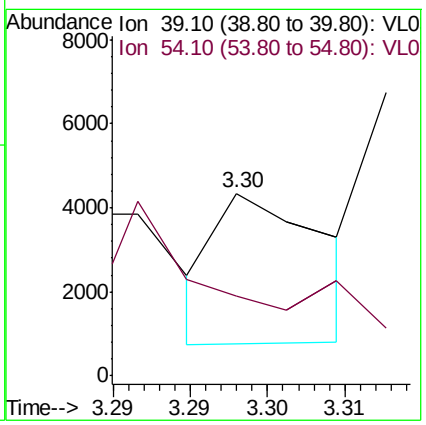


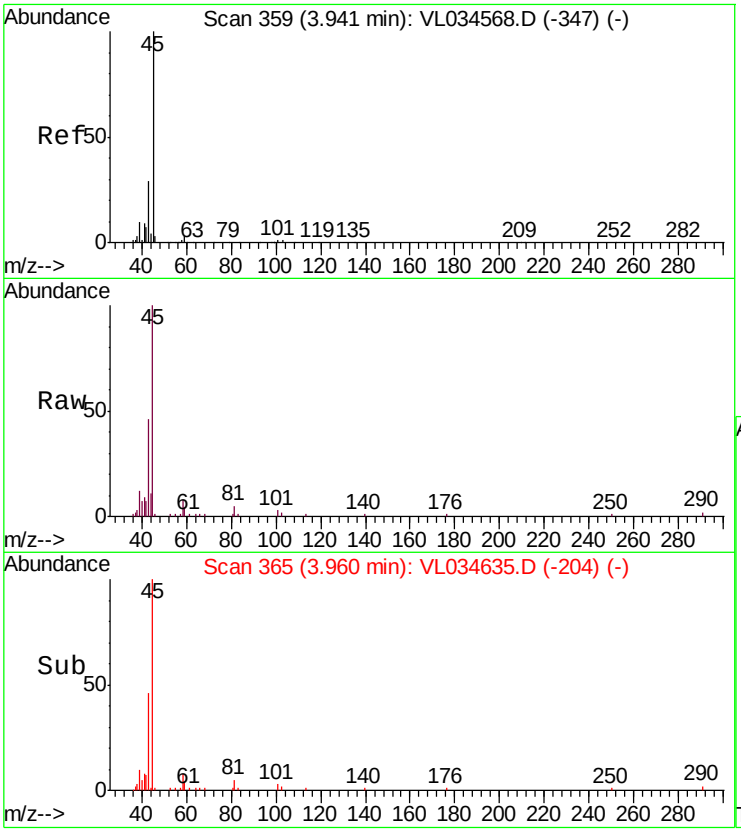


#16
1,3-Butadiene
Concen: 0.033 ppbv
RT: 3.30 min Scan# 159
Delta R.T. 0.01 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Tgt Ion: 39 Resp: 1733

Ion	Ratio	Lower	Upper
39	100		
54	304.0	66.7	100.1#



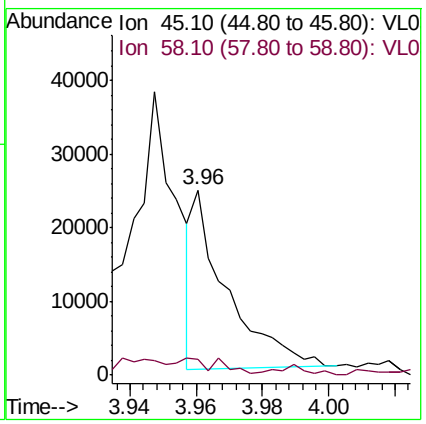


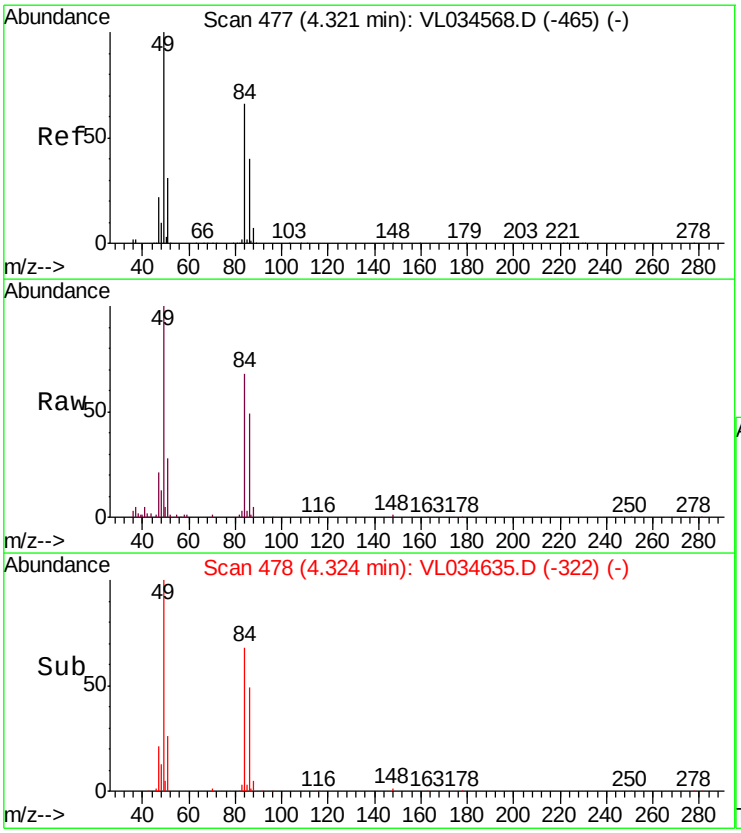
#19
Isopropyl Alcohol
Concen: 0.225 ppbv
RT: 3.96 min Scan# 365
Delta R.T. 0.02 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Instrument : MSVOA_L
ClientSampleId : IR-BRSS

Tgt Ion: 45 Resp: 17292

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.7	2.5#

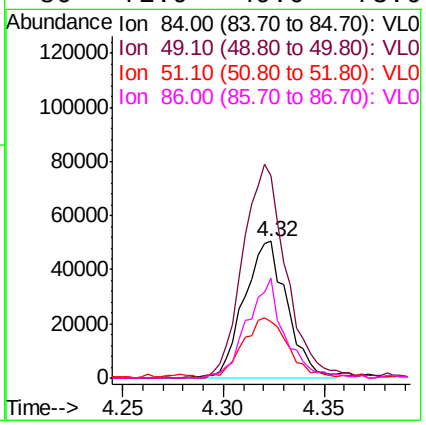


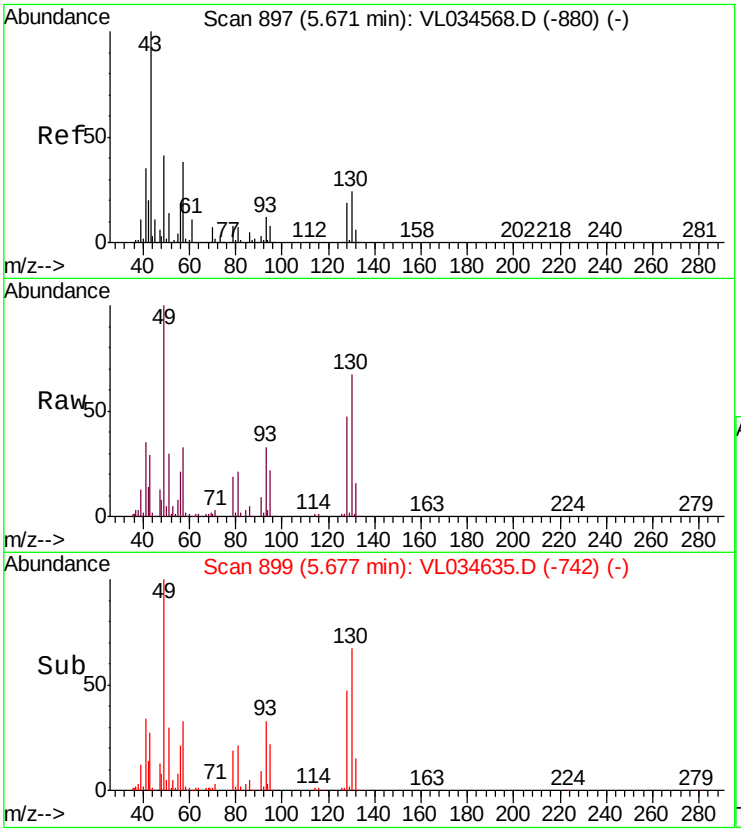


#20
Methylene Chloride
Concen: 1.507 ppbv
RT: 4.32 min Scan# 478
Delta R.T. 0.00 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Tgt Ion: 84 Resp: 75683

Ion	Ratio	Lower	Upper
84	100		
49	147.2	122.4	183.6
51	40.5	38.6	57.8
86	72.9	49.0	73.6



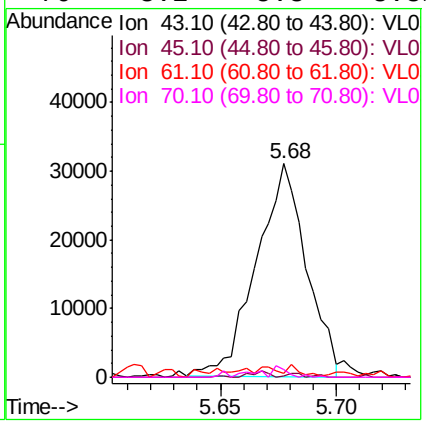


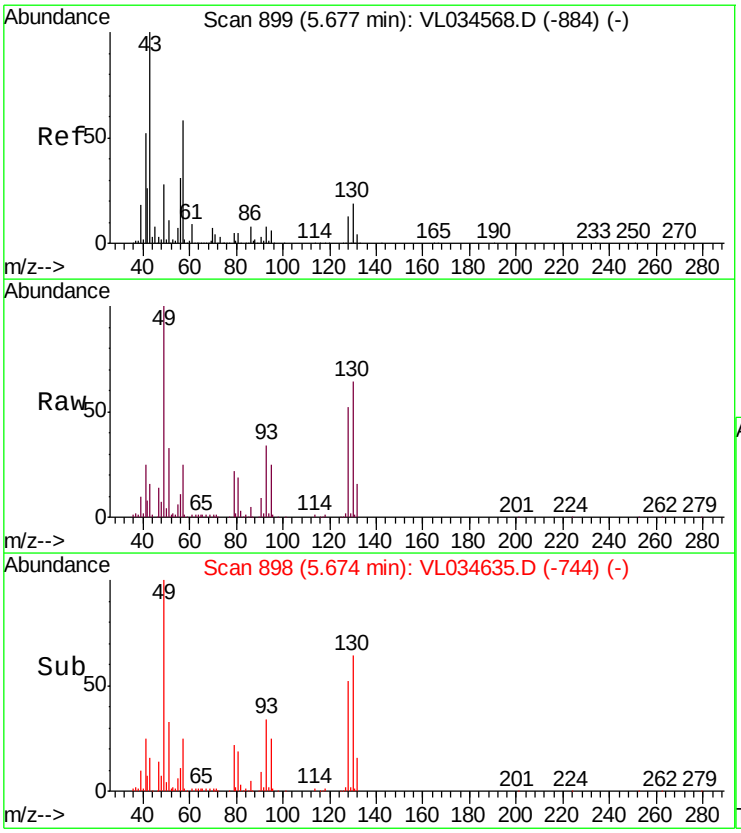
#25
Ethyl Acetate
Concen: 0.217 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Instrument : MSVOA_L
ClientSampleId : IR-BRSS

Tgt Ion: 43 Resp: 46417

Ion	Ratio	Lower	Upper
43	100		
45	1.9	8.5	12.7#
61	0.0	7.8	11.6#
70	3.2	5.8	8.8#

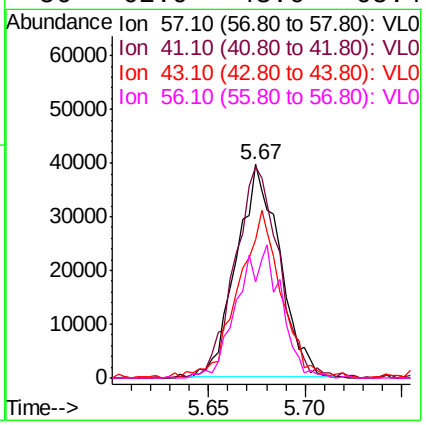


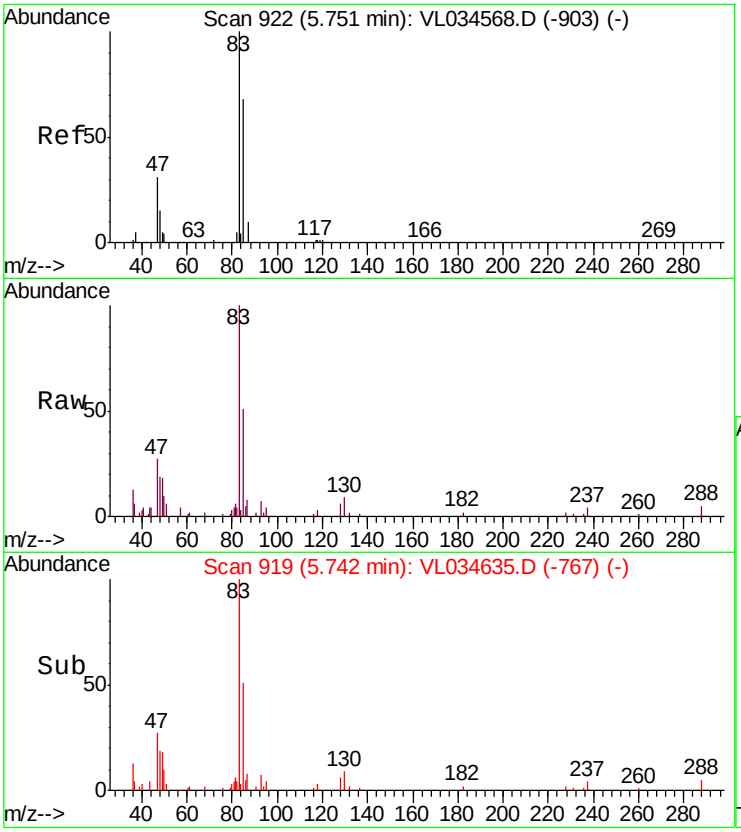


#26
Hexane
Concen: 0.689 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Tgt Ion: 57 Resp: 61657

Ion	Ratio	Lower	Upper
57	100		
41	102.9	76.2	114.2
43	79.2	189.9	284.9#
56	62.9	43.6	65.4



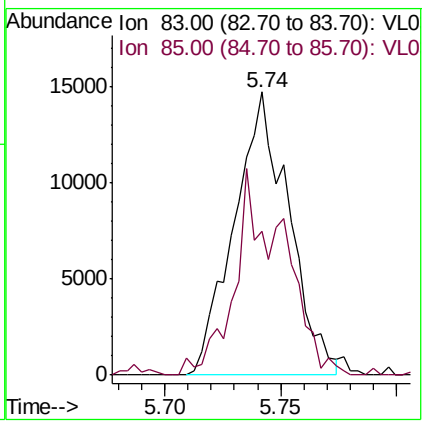


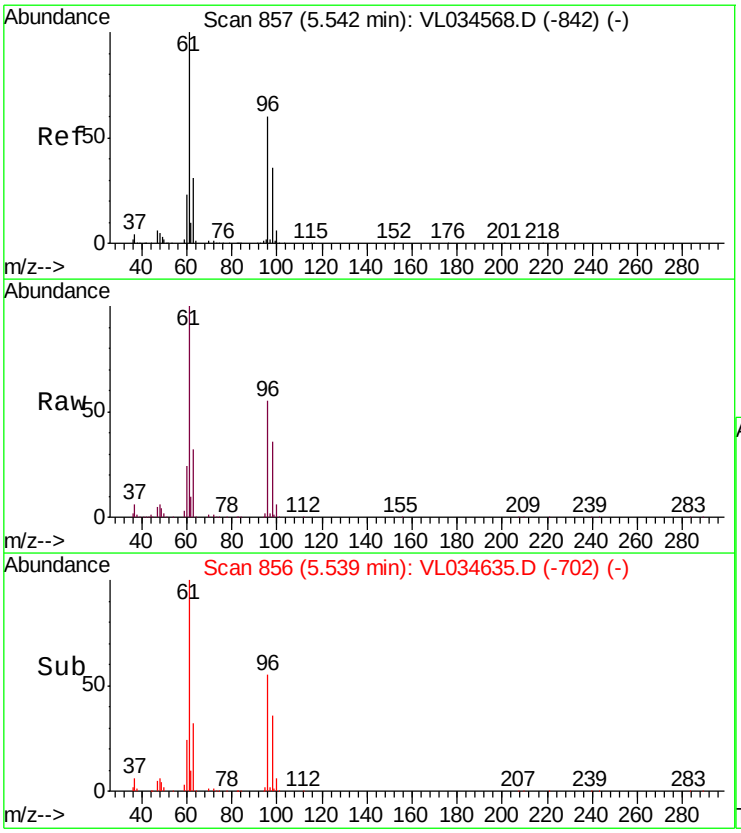
#29
Chloroform
Concen: 0.153 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.01 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Instrument : MSVOA_L
ClientSampleId : IR-BRSS

Tgt Ion: 83 Resp: 24189

Ion	Ratio	Lower	Upper
83	100		
85	46.3	54.0	81.0#

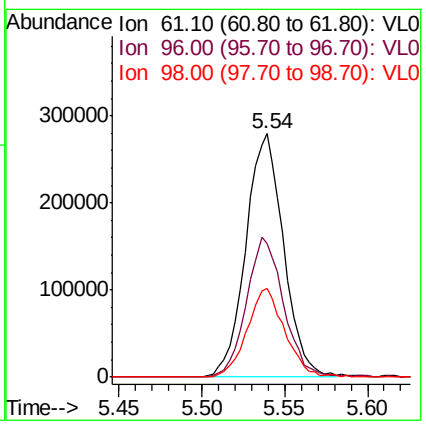


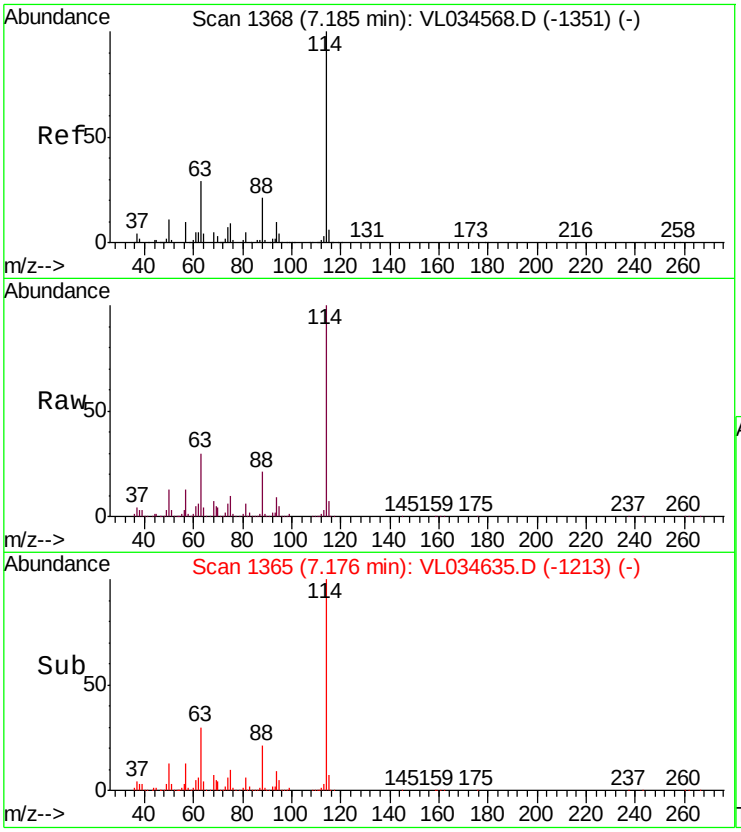


#31
cis-1,2-Dichloroethene
Concen: 4.759 ppbv
RT: 5.54 min Scan# 856
Delta R.T. -0.00 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Tgt Ion: 61 Resp: 442302

Ion	Ratio	Lower	Upper
61	100		
96	54.8	48.0	72.0
98	36.3	28.6	43.0



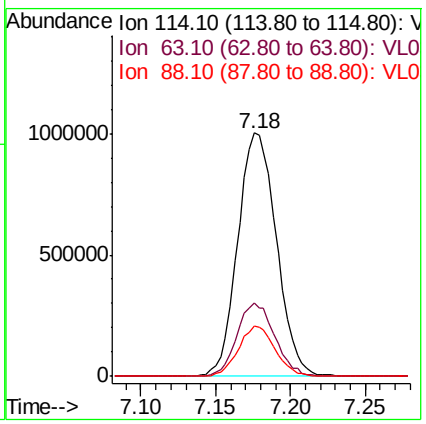


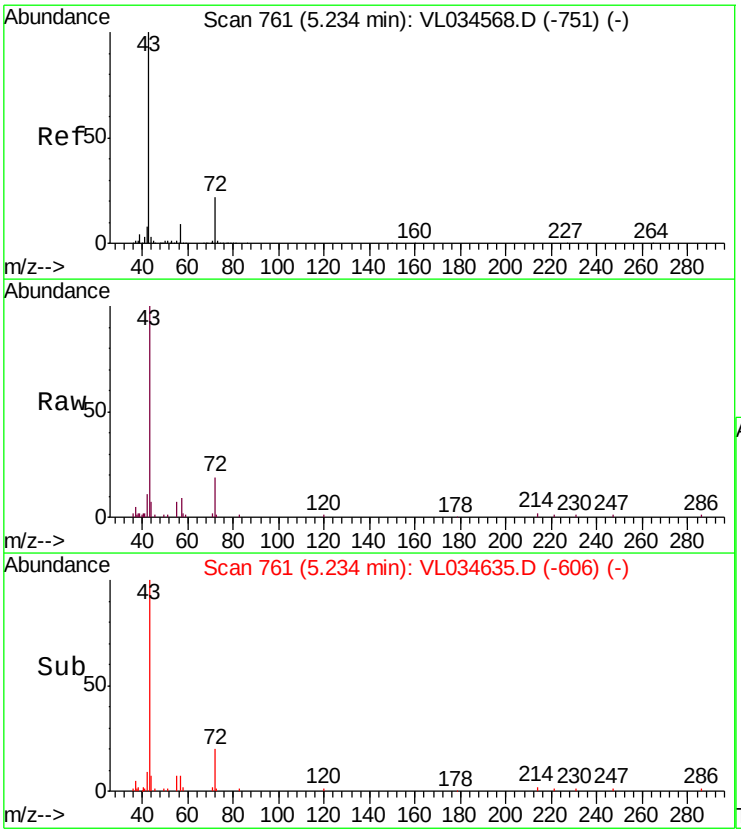
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Instrument :
MSVOA_L
ClientSampleId :
IR-BRSS

Tgt Ion:114 Resp: 1802151

Ion	Ratio	Lower	Upper
114	100		
63	29.4	24.1	36.1
88	19.7	15.9	23.9

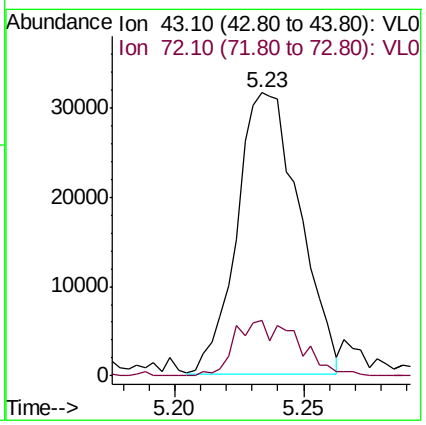


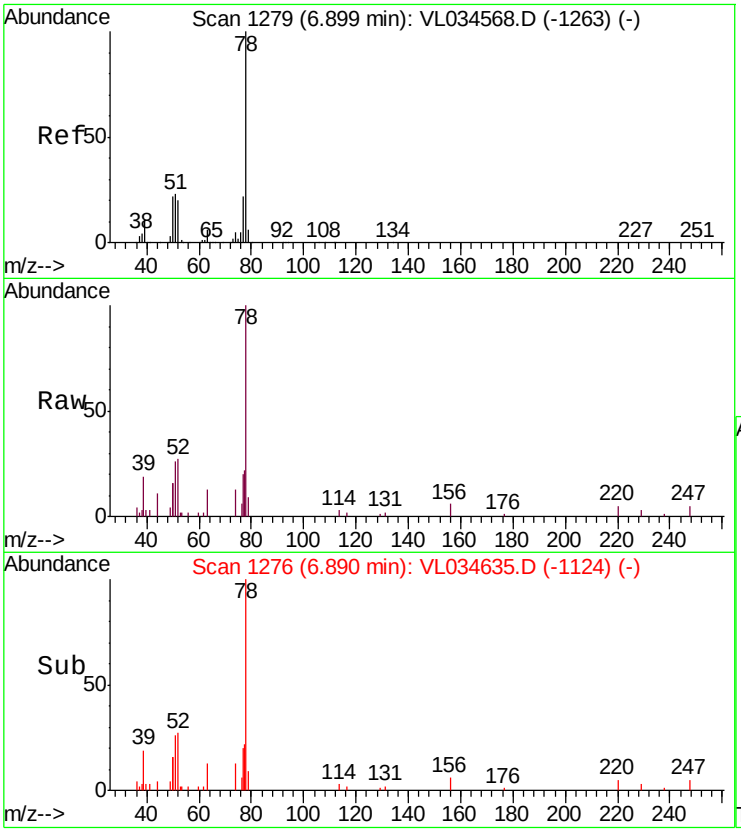


#34
2-Butanone
Concen: 0.407 ppbv
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Tgt Ion: 43 Resp: 53314

Ion	Ratio	Lower	Upper
43	100		
72	19.9	17.2	25.8



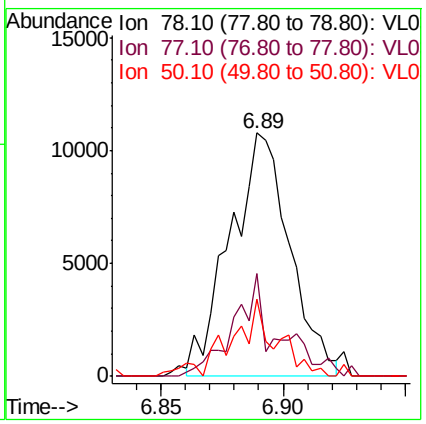


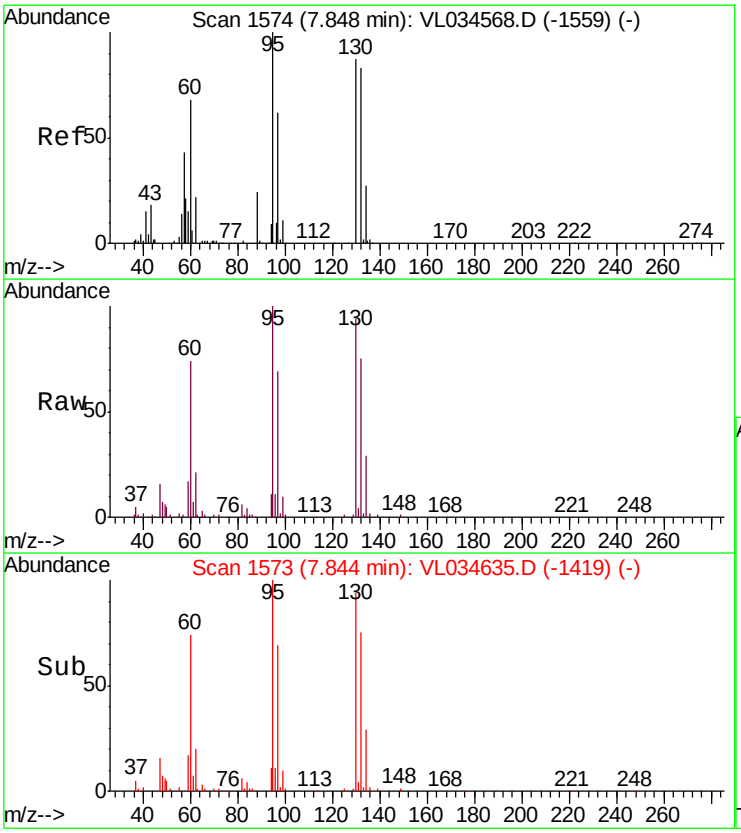
#36
Benzene
Concen: 0.114 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Instrument :
MSVOA_L
ClientSampleId :
IR-BRSS

Tgt Ion: 78 Resp: 18270

Ion	Ratio	Lower	Upper
78	100		
77	41.9	17.3	25.9#
50	27.6	17.4	26.2#

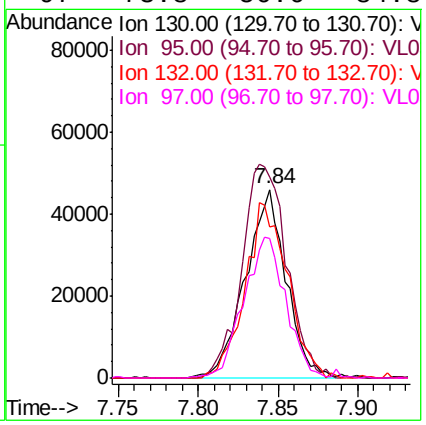


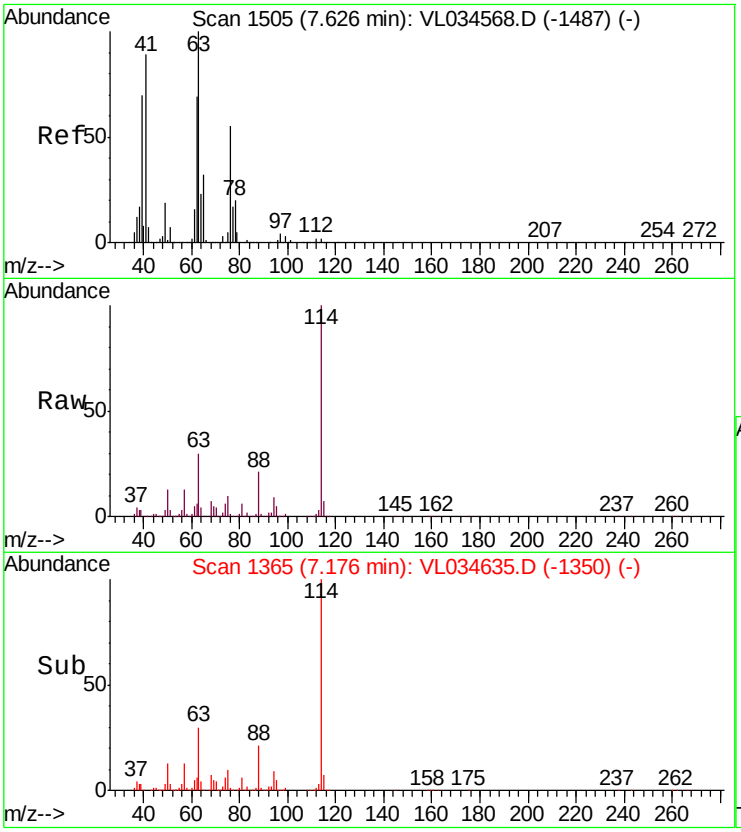


#38
Trichloroethene
Concen: 1.189 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Tgt Ion:130 Resp: 80355

Ion	Ratio	Lower	Upper
130	100		
95	106.9	91.6	137.4
132	80.1	76.1	114.1
97	73.8	56.6	84.8



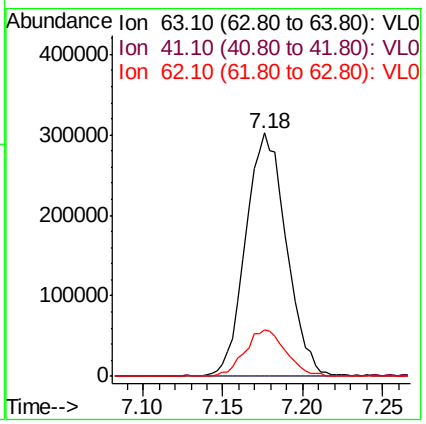


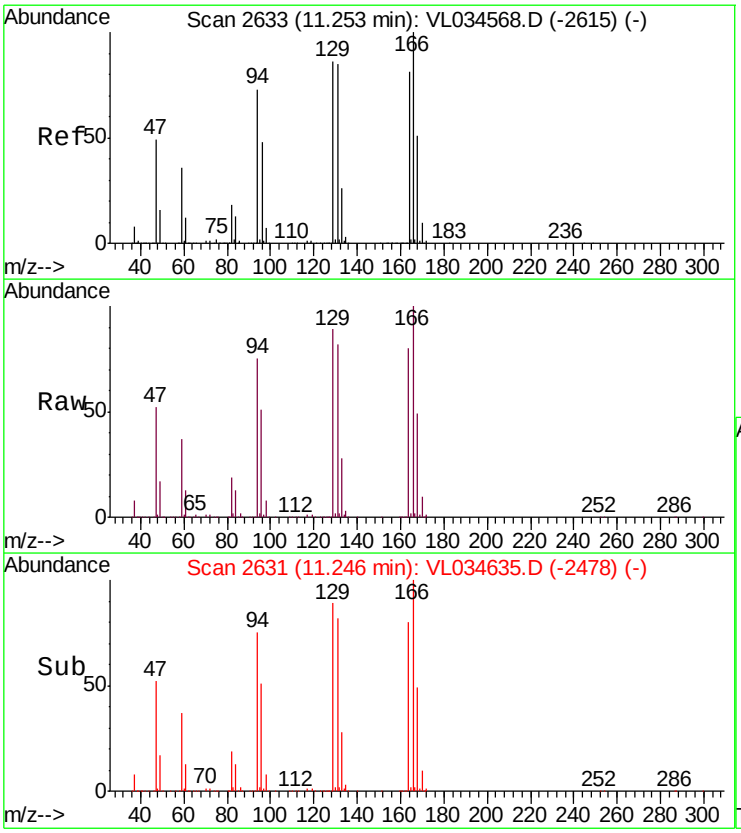
#39
1,2-Dichloropropane
Concen: 7.957 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.45 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Instrument : MSVOA_L
ClientSampleId : IR-BRSS

Tgt Ion: 63 Resp: 528617

Ion	Ratio	Lower	Upper
63	100		
41	0.0	71.0	106.4#
62	19.1	55.4	83.0#

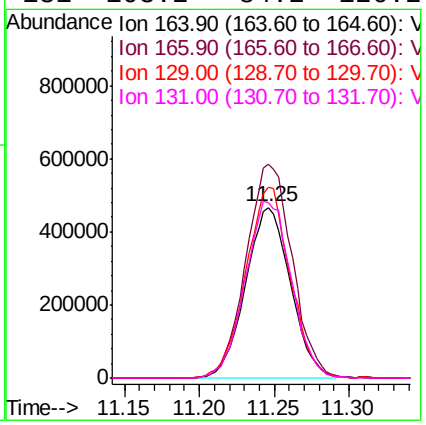


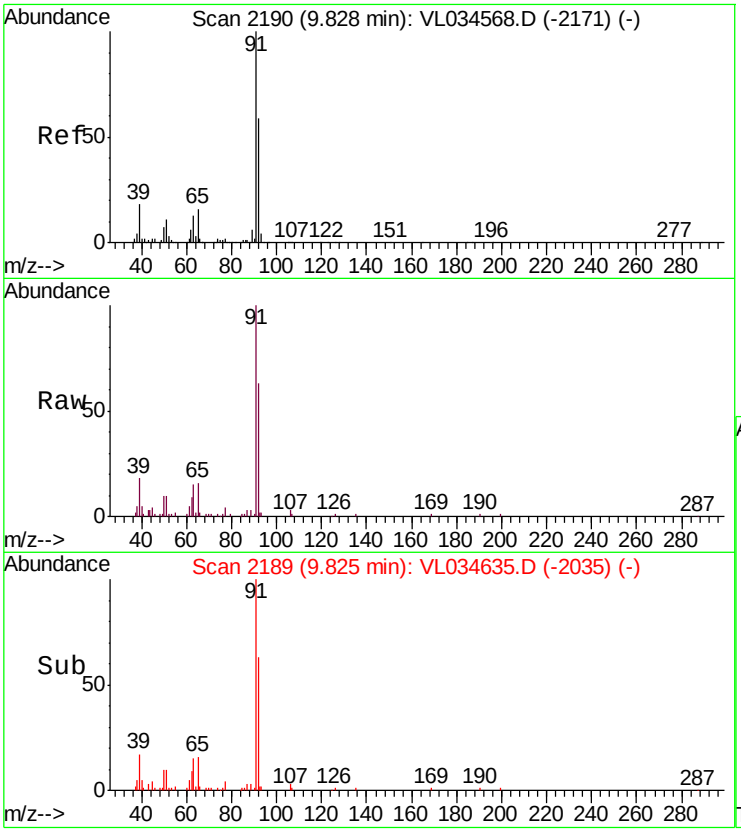


#52
Tetrachloroethene
Concen: 15.032 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. -0.01 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Tgt Ion:164 Resp: 967785

Ion	Ratio	Lower	Upper
164	100		
166	125.4	99.0	148.4
129	111.8	85.3	127.9
131	103.2	84.2	126.2



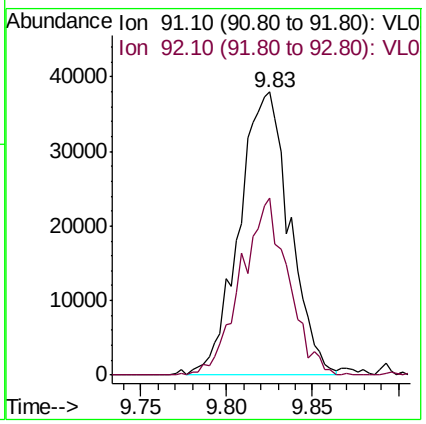


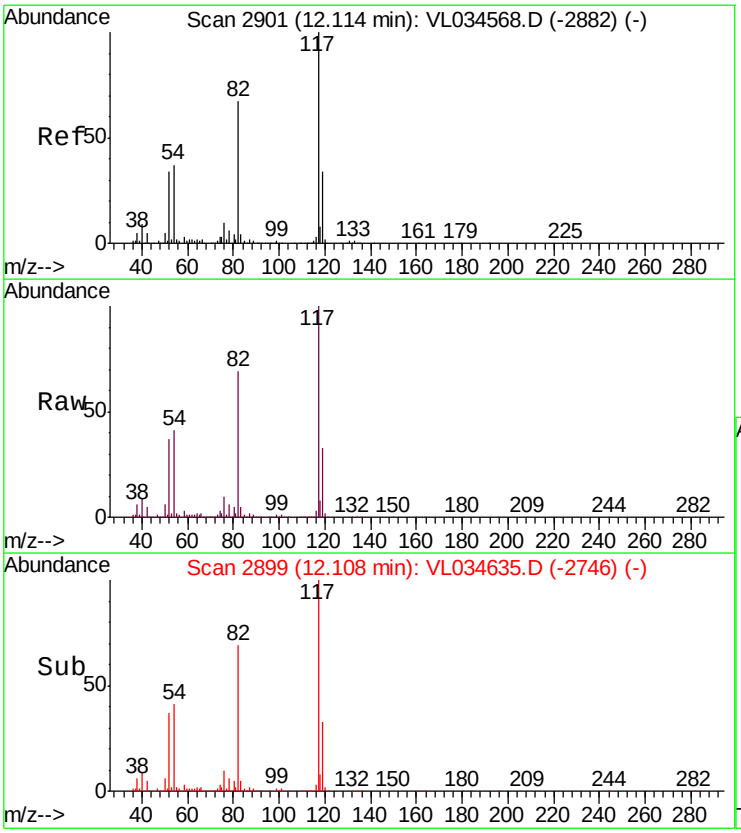
#53
Toluene
Concen: 0.440 ppbv
RT: 9.83 min Scan# 2189
Delta R.T. -0.00 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Instrument :
MSVOA_L
ClientSampleId :
IR-BRSS

Tgt Ion: 91 Resp: 77466

Ion	Ratio	Lower	Upper
91	100		
92	58.4	48.2	72.2

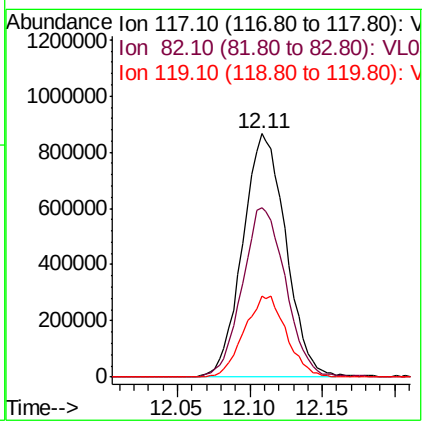


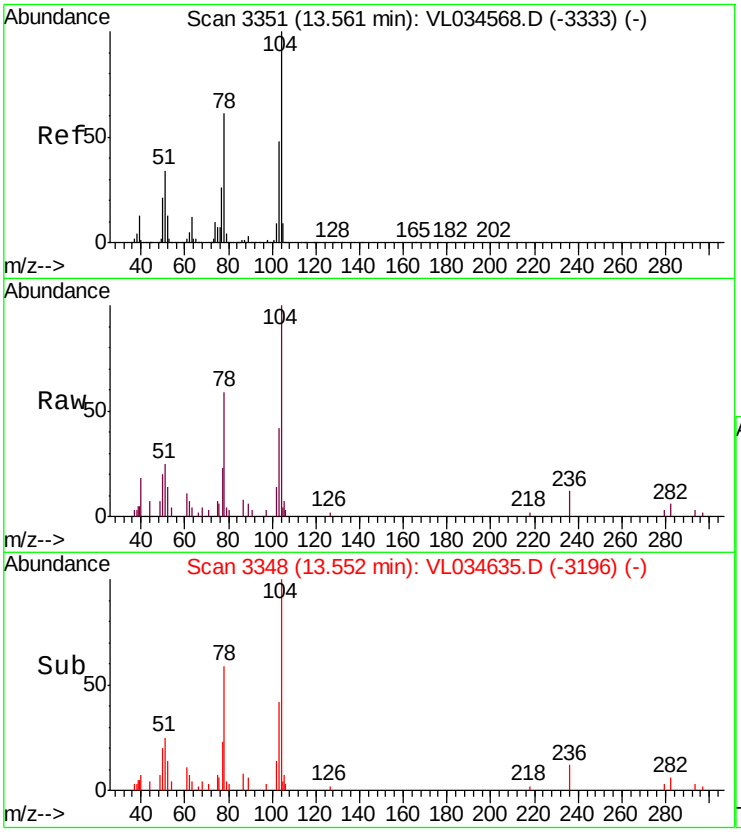


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Tgt Ion:117 Resp: 1794217

Ion	Ratio	Lower	Upper
117	100		
82	70.3	54.2	81.4
119	32.8	26.1	39.1



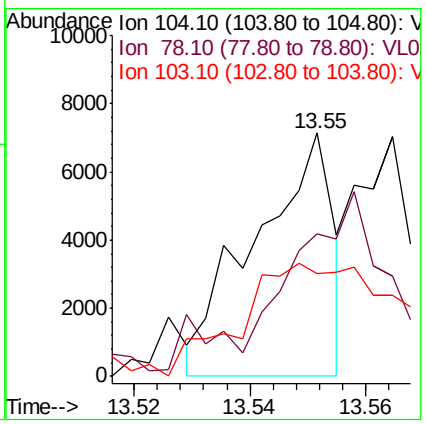


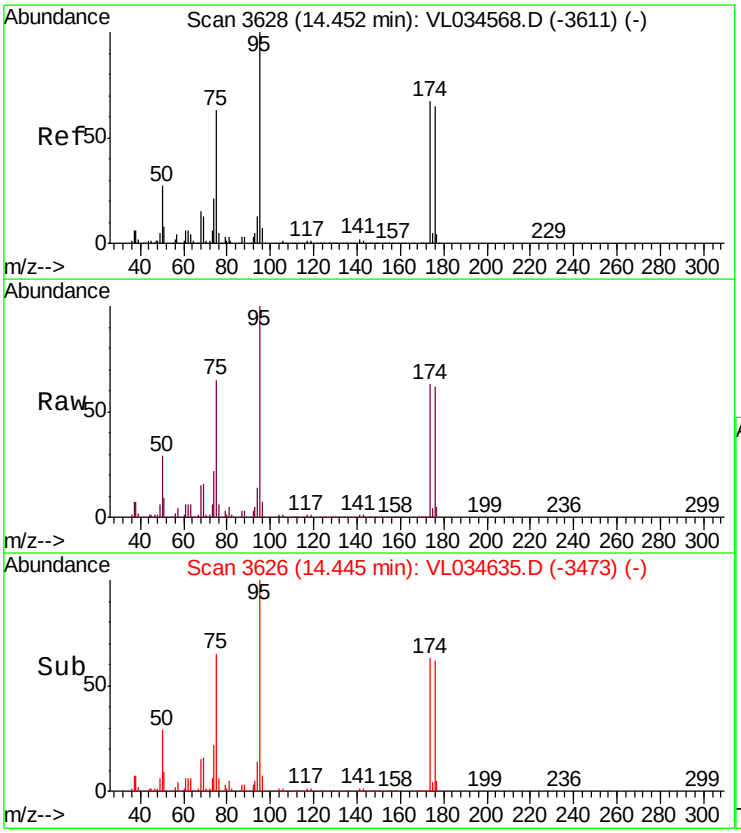
#61
Styrene
Concen: 0.047 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. -0.01 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Instrument : MSVOA_L
ClientSampleId : IR-BRSS

Tgt Ion:104 Resp: 6680

Ion	Ratio	Lower	Upper
104	100		
78	0.0	47.0	70.6#
103	112.0	38.5	57.7#

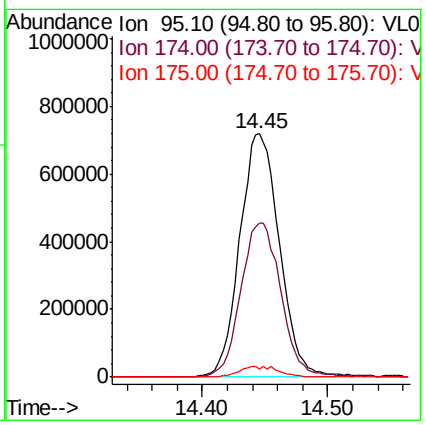


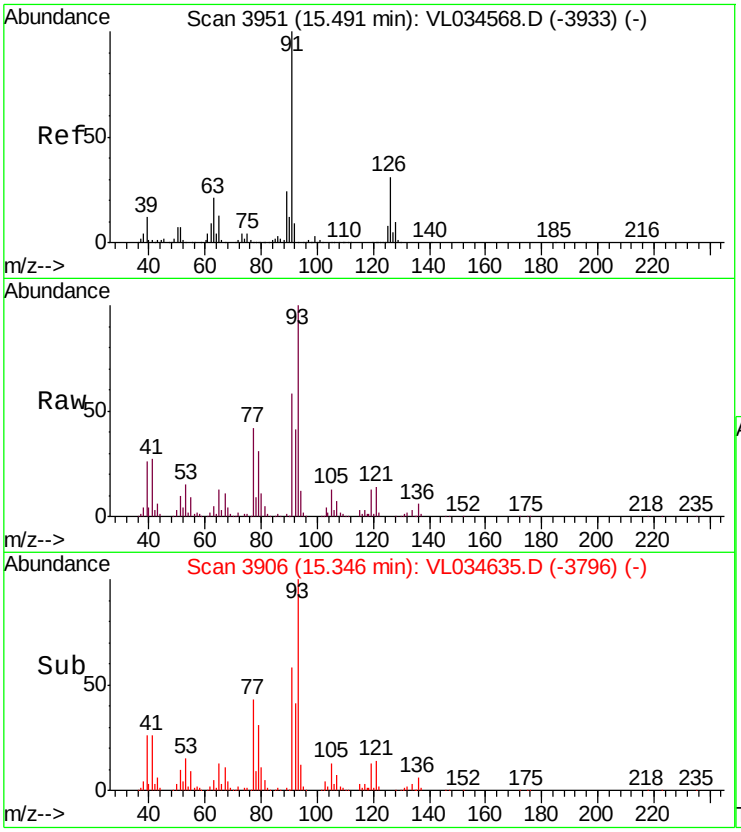


#68
1-Bromo-4-Fluorobenzene
Concen: 10.422 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. -0.01 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Tgt Ion: 95 Resp: 1580380

Ion	Ratio	Lower	Upper
95	100		
174	64.7	52.3	78.5
175	4.4	3.8	5.6





#71
2-Chlorotoluene
Concen: 0.986 ppbv
RT: 15.35 min Scan# 3906
Delta R.T. -0.14 min
Lab File: VL034635.D
Acq: 18 Feb 2020 22:20

Instrument :
MSVOA_L
ClientSampleId :
IR-BRSS

Tgt Ion: 91 Resp: 206696

Ion	Ratio	Lower	Upper
91	100		
126	0.1	12.0	47.8#