Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032576.D
Acq On : 28 Sep 2018 9:54
Operator : SY/AP
Sample : J5094-08 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Sep 28 23:11:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.80	49	1343020	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	7.33	114	3052949	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.27	117	3152784	10.00	ppbv		-0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.61	95	2316332	9.74	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 97.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.09	85	38176	0.307	ppbv		95
3) Chlorodifluoromethane	3.03	51	16656432	149.137	ppbv	#	73
4) Chloromethane	3.25	50	23414	0.360	ppbv	#	61
5) Vinyl Chloride	3.31	62	7244	0.110	ppbv		96
7) Chloroethane	3.62	64	6877	0.293	ppbv		94
8) Dichlorotetrafluoroethane	3.09	85	38176	0.281	ppbv	#	20
9) Propene	3.07	41	1213369	25.040	ppbv	#	60
10) Heptane	8.02	43	1282025	7.213	ppbv	#	1
13) Ethanol	3.67	45	375655	25.791	ppbv		96
15) Acetone	3.92	43	16607898	140.880	ppbv	#	80
16) 1,3-Butadiene	3.36	39	54402	1.138	ppbv	#	55
17) tert-Butyl alcohol	4.40	59	2824	0.191	ppbv	#	100
19) Isopropyl Alcohol	4.05	45	2101526	25.593	ppbv	#	93
20) Methylene Chloride	4.44	84	22556	0.395	ppbv	#	95
21) Allyl Chloride	4.49	41	3252	0.034	ppbv	#	1
24) 1,1-Dichloroethane	5.13	63	19439	0.112	ppbv		95
25) Ethyl Acetate	5.80	43	218433	0.764	ppbv	#	89
26) Hexane	5.81	57	16413	0.127	ppbv	#	1
31) cis-1,2-Dichloroethene	5.80	61	29120	0.237	ppbv	#	34
34) 2-Butanone	5.36	43	240490	1.323	ppbv		98
36) Benzene	7.04	78	1029742	4.174	ppbv		97
37) 1,2-Dichloroethane	6.44	62	15498	0.104	ppbv	#	95
39) 1,2-Dichloropropane	7.33	63	823647	7.408	ppbv	#	25
44) 2,2,4-Trimethylpentane	8.02	57	6577907	13.642	ppbv		99
50) 4-Methyl-2-Pentanone	8.91	43	22993	0.080	ppbv		88
51) 2-Hexanone	10.63	43	3125010	13.222	ppbv	#	29
52) Tetrachloroethene	11.41	164	23242	0.271	ppbv	#	87
53) Toluene	9.98	91	267113	0.888	ppbv		100

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

Quantitation Report (Not Reviewed)

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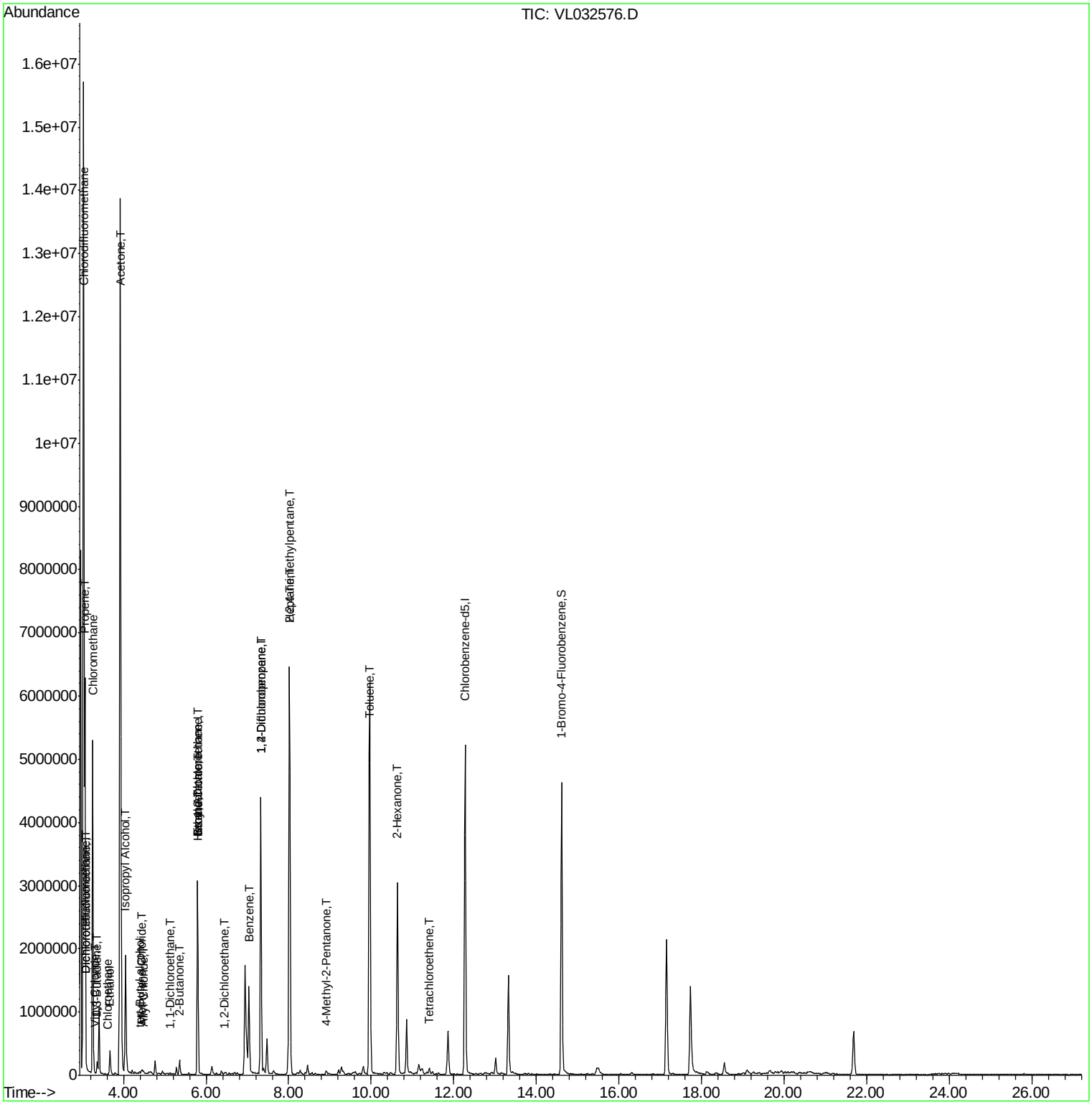
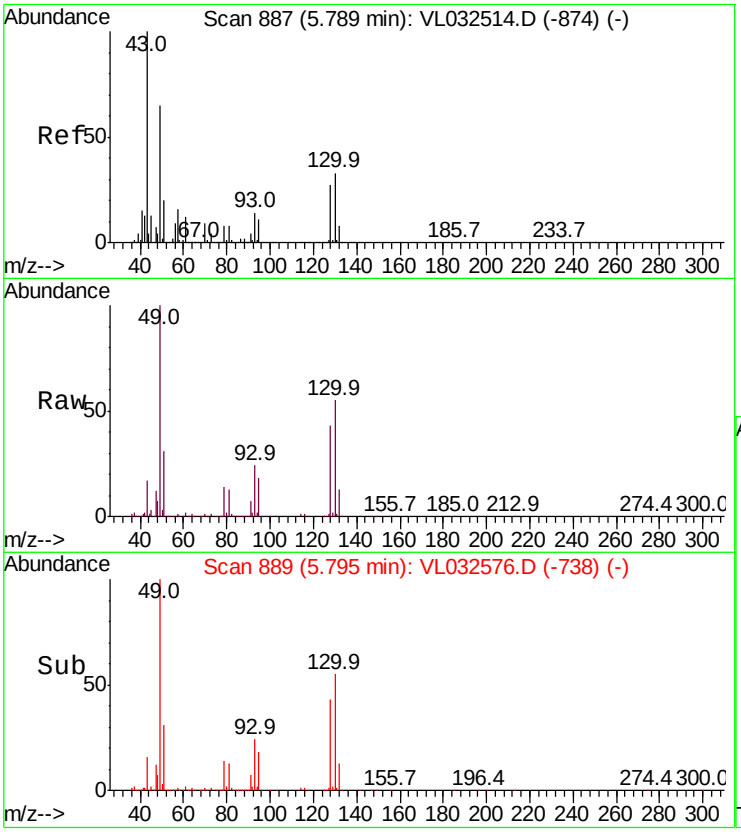
Acq On : 28 Sep 2018 9:54
Operator : SY/AP
Sample : J5094-08 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Sep 28 23:11:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration



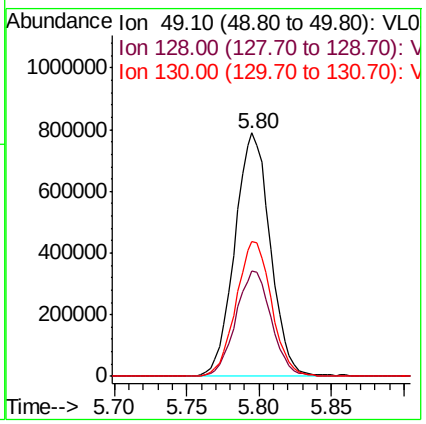


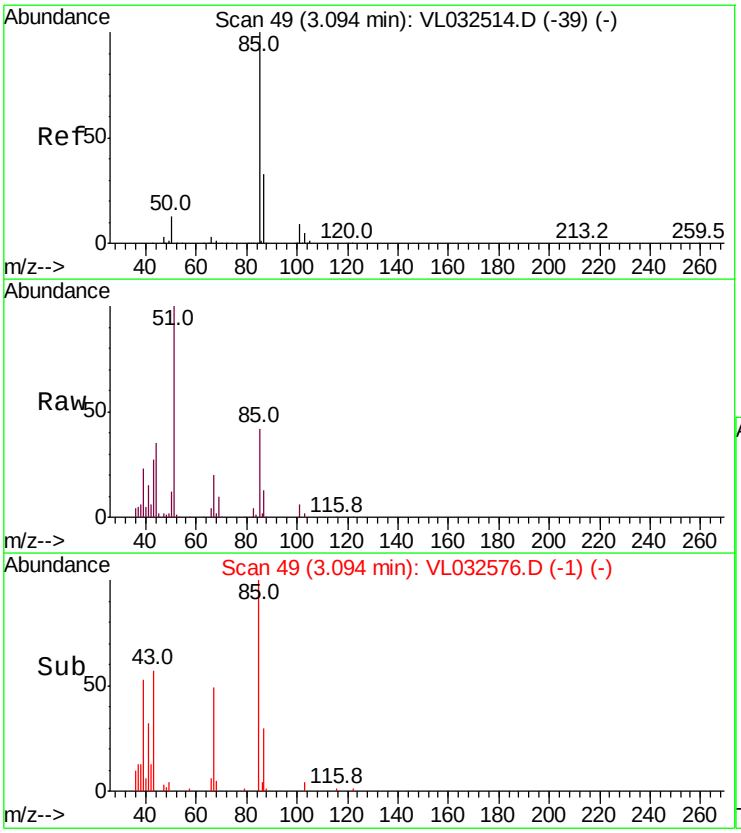
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.80 min Scan# 889
Delta R.T. -0.01 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1343020

Ion	Ratio	Lower	Upper
49	100		
128	43.5	20.7	62.1
130	55.5	26.6	79.7

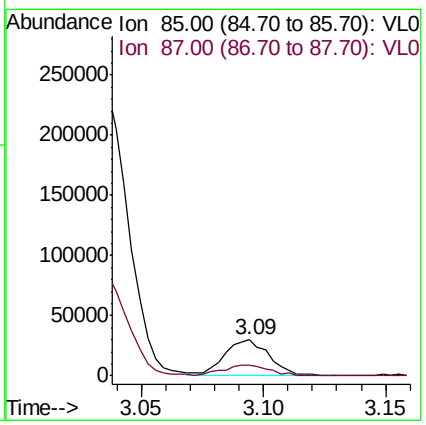


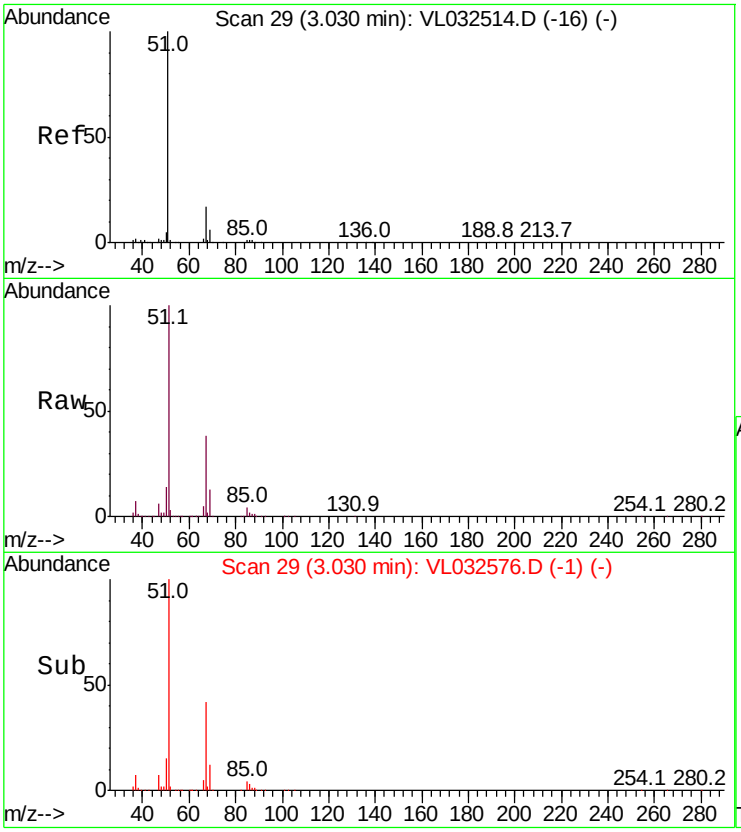


#2
Dichlorodifluoromethane
Concen: 0.307 ppbv
RT: 3.09 min Scan# 49
Delta R.T. -0.01 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Tgt Ion: 85 Resp: 38176

Ion	Ratio	Lower	Upper
85	100		
87	30.1	26.2	39.4



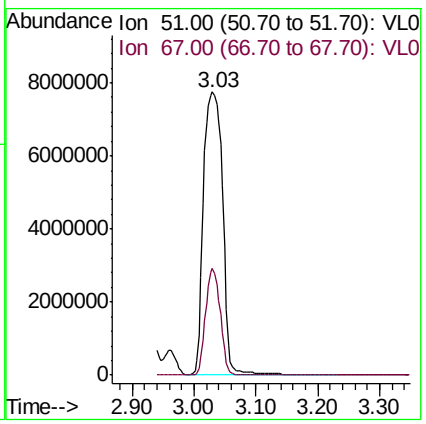


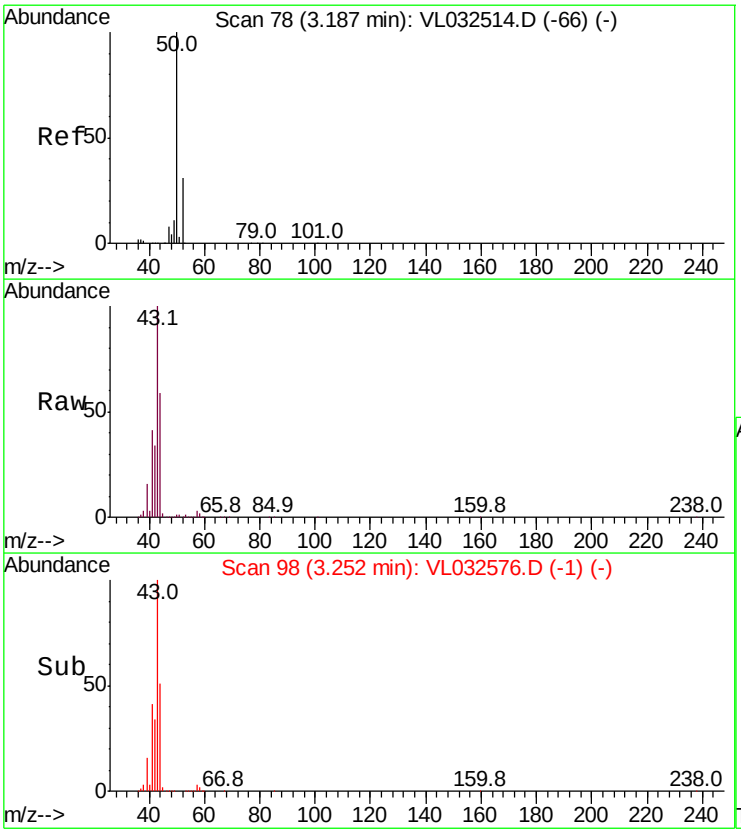
#3
Chlorodifluoromethane
Concen: 149.137 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.01 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp:16656432

Ion	Ratio	Lower	Upper
51	100		
67	29.1	13.8	20.8#

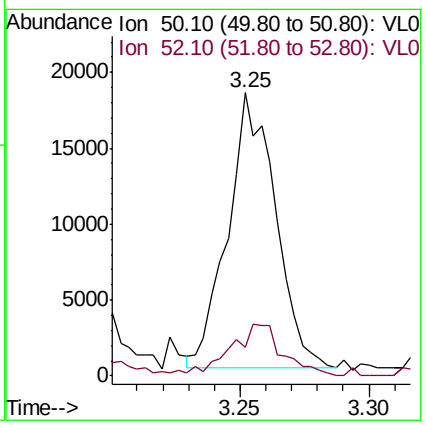


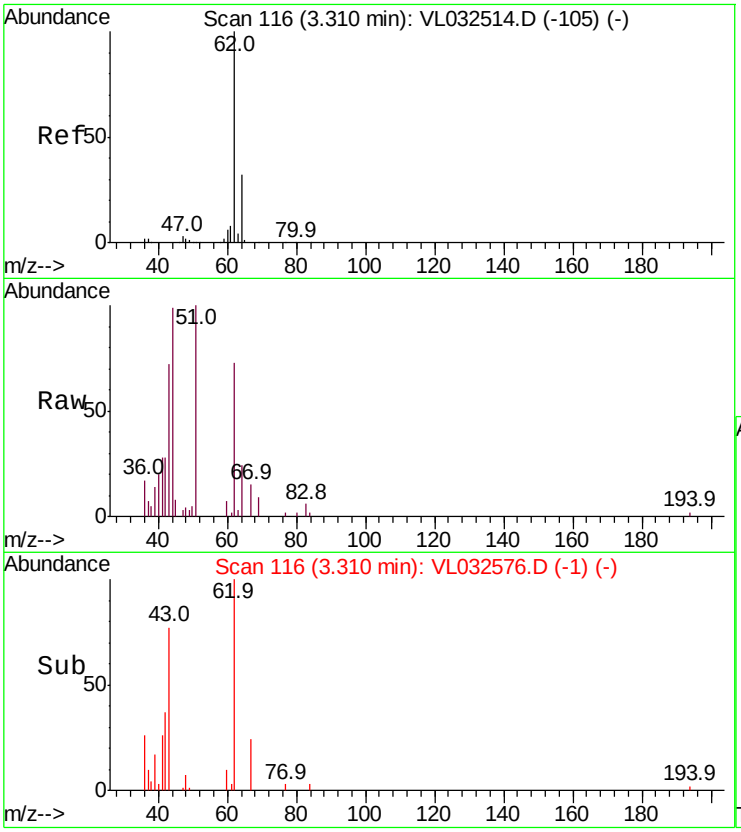


#4
Chloromethane
Concen: 0.360 ppbv
RT: 3.25 min Scan# 98
Delta R.T. 0.05 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Tgt Ion: 50 Resp: 23414

Ion	Ratio	Lower	Upper
50	100		
52	10.5	25.6	38.4#



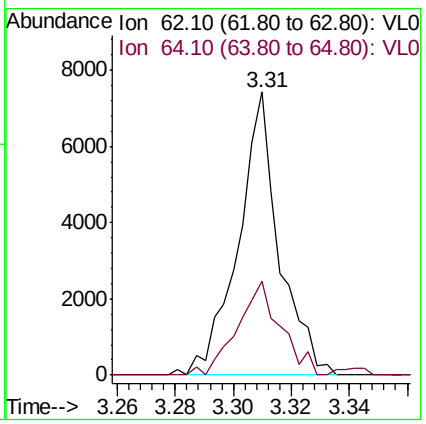


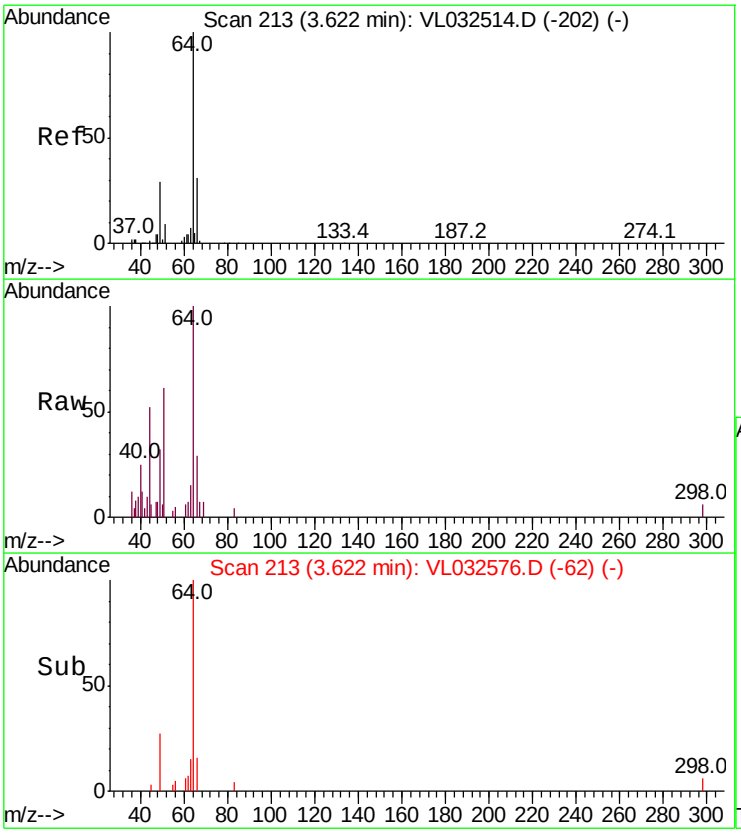
#5
Vinyl Chloride
Concen: 0.110 ppbv
RT: 3.31 min Scan# 116
Delta R.T. -0.01 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 62 Resp: 7244

Ion	Ratio	Lower	Upper
62	100		
64	33.2	25.0	37.6

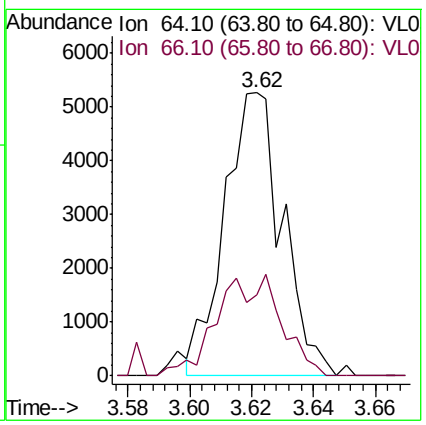


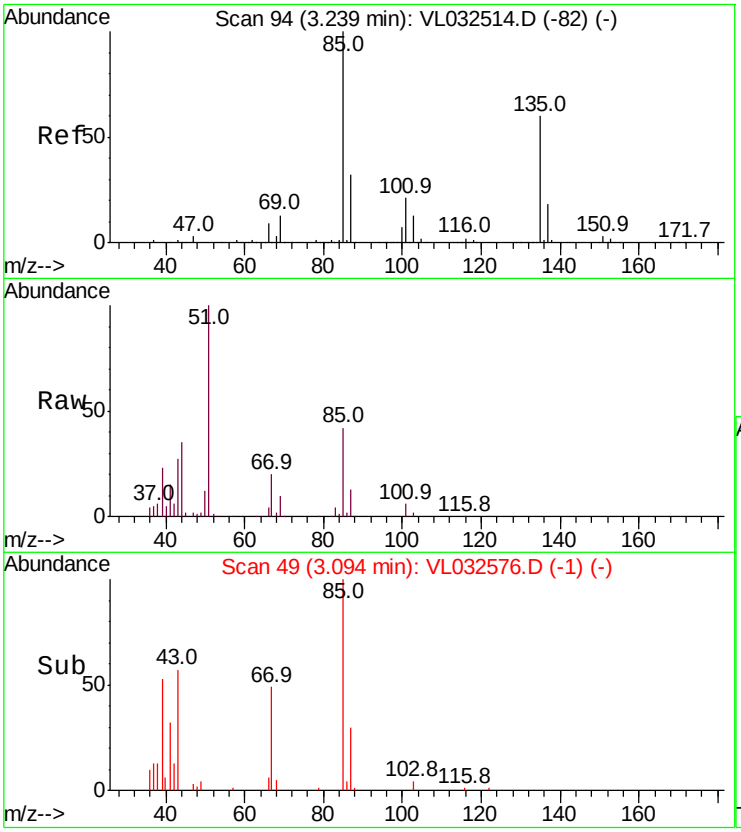


#7
Chloroethane
Concen: 0.293 ppbv
RT: 3.62 min Scan# 213
Delta R.T. -0.01 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Tgt Ion: 64 Resp: 6877

Ion	Ratio	Lower	Upper
64	100		
66	28.6	25.8	38.6



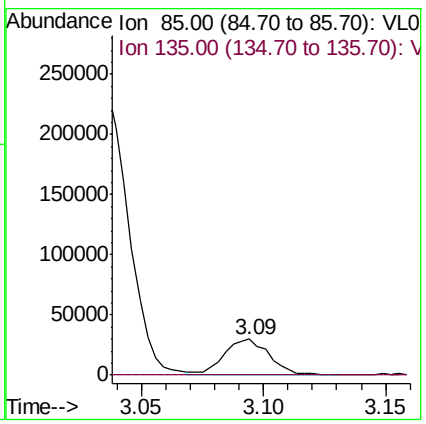


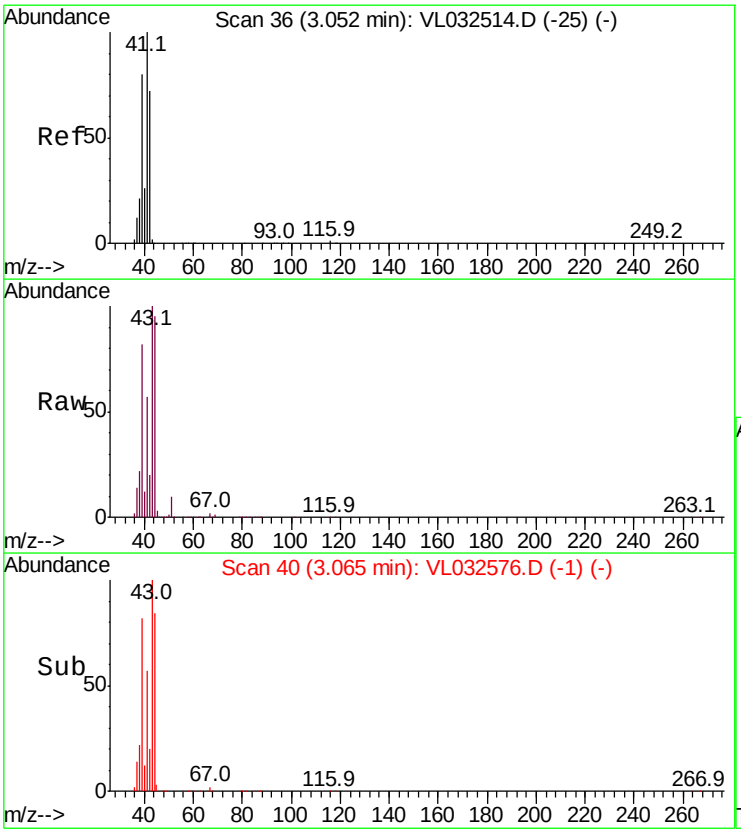
#8
Dichlorotetrafluoroethane
Concen: 0.281 ppbv
RT: 3.09 min Scan# 49
Delta R.T. -0.16 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 85 Resp: 38176

Ion	Ratio	Lower	Upper
85	100		
135	0.0	48.6	72.8#

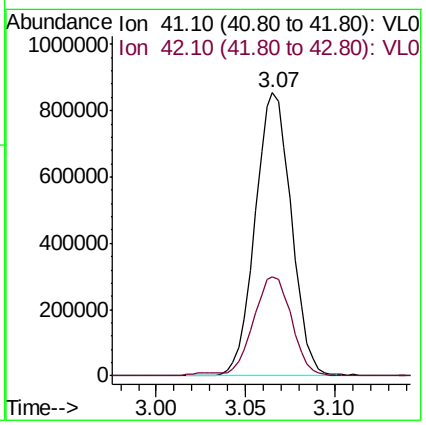


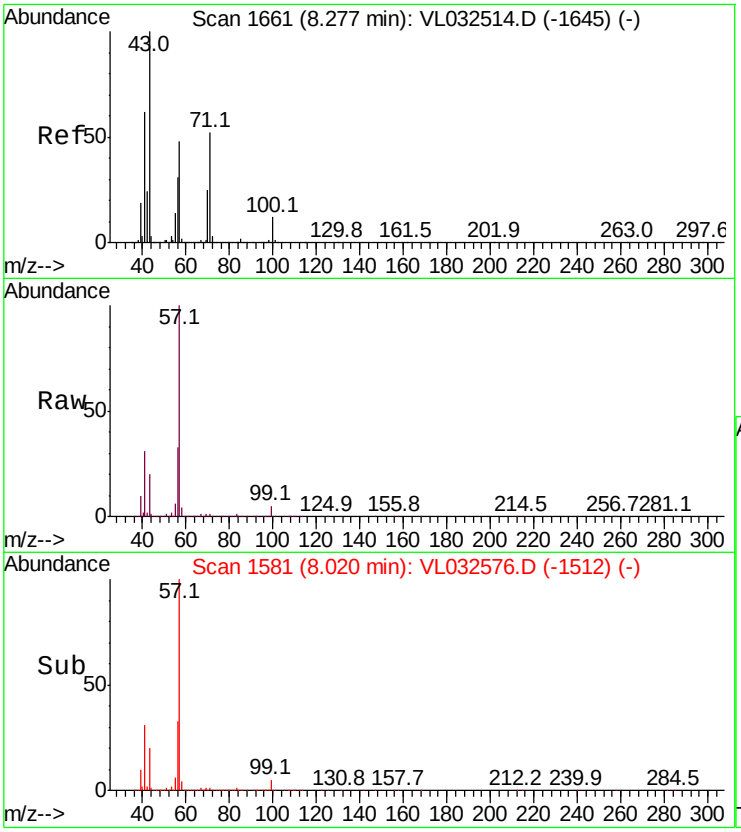


#9
Propene
Concen: 25.040 ppbv
RT: 3.07 min Scan# 40
Delta R.T. -0.00 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Tgt Ion: 41 Resp: 1213369

Ion	Ratio	Lower	Upper
41	100		
42	37.8	56.6	84.8#



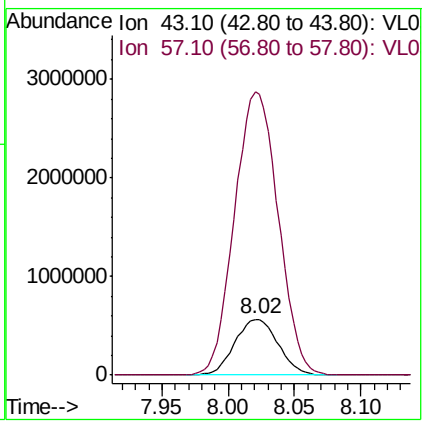


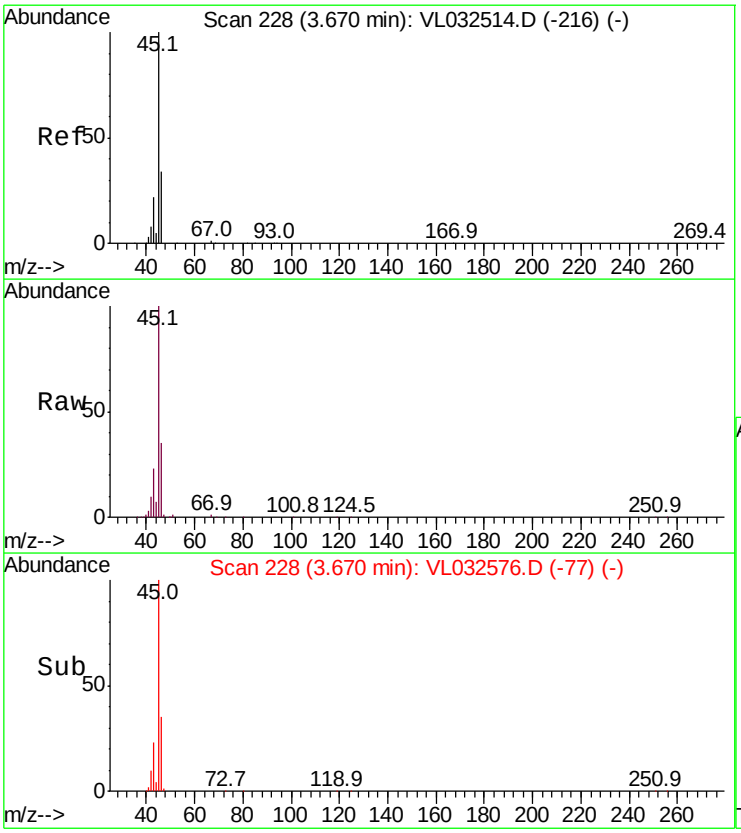
#10
Heptane
Concen: 7.213 ppbv
RT: 8.02 min Scan# 1581
Delta R.T. -0.28 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 1282025

Ion	Ratio	Lower	Upper
43	100		
57	514.2	39.6	59.4#

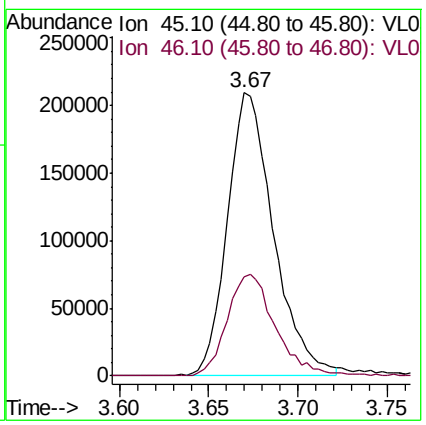


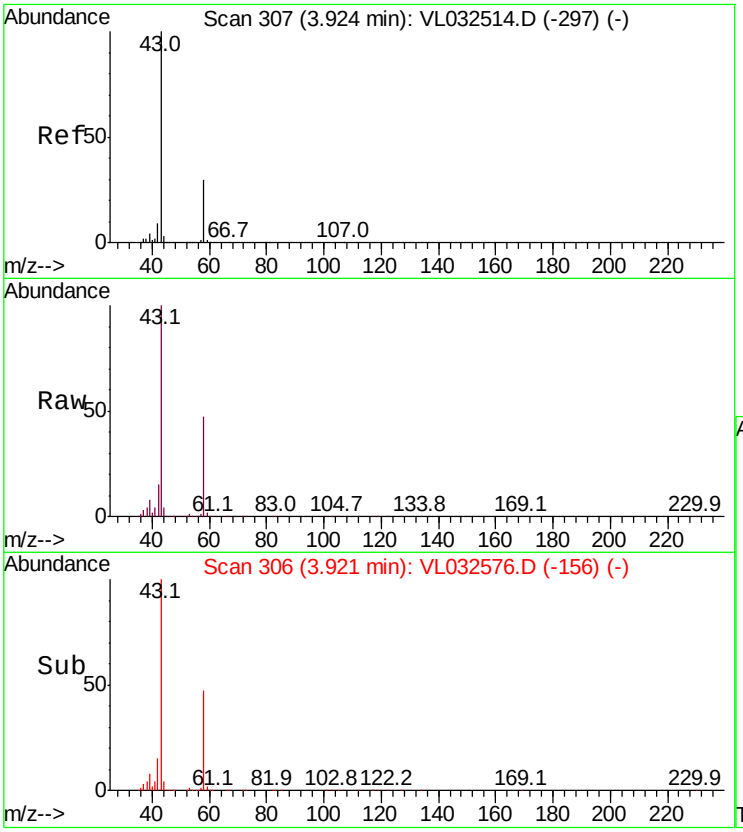


#13
Ethanol
Concen: 25.791 ppbv
RT: 3.67 min Scan# 228
Delta R.T. -0.01 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Tgt Ion: 45 Resp: 375655

Ion	Ratio	Lower	Upper
45	100		
46	37.9	14.2	56.8



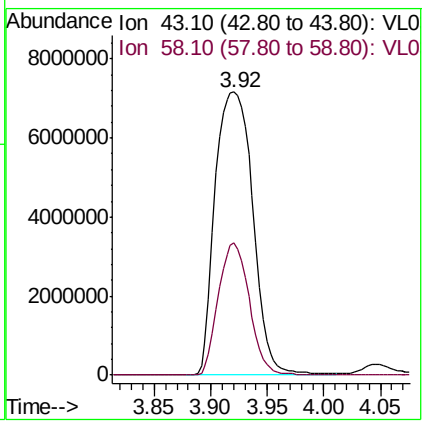


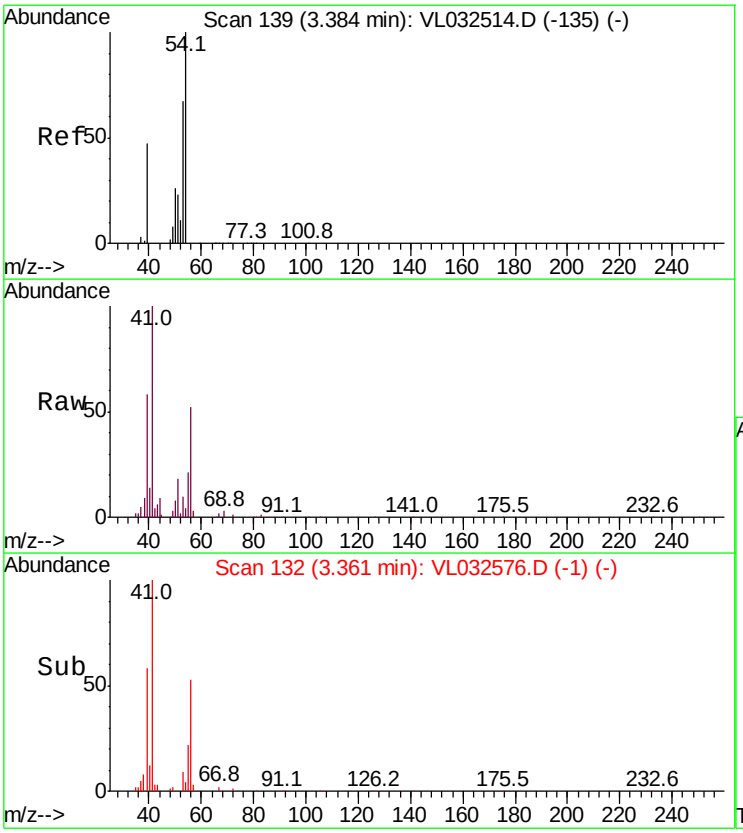
#15
Acetone
Concen: 140.880 ppbv
RT: 3.92 min Scan# 306
Delta R.T. -0.02 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp:16607898

Ion	Ratio	Lower	Upper
43	100		
58	38.5	22.6	33.8#

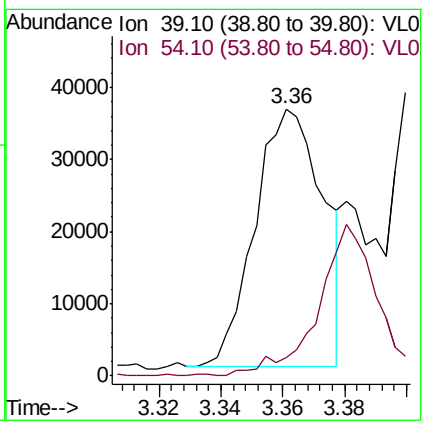


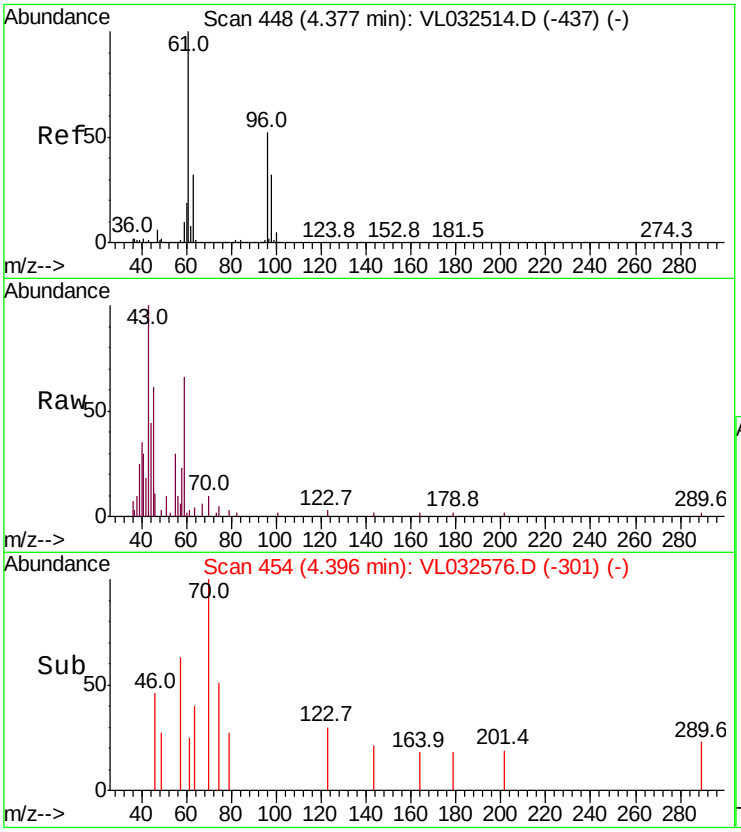


#16
1,3-Butadiene
Concen: 1.138 ppbv
RT: 3.36 min Scan# 132
Delta R.T. -0.04 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Tgt Ion: 39 Resp: 54402

Ion	Ratio	Lower	Upper
39	100		
54	55.6	80.8	121.2#

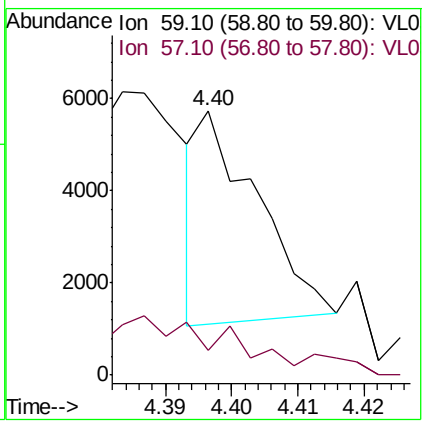




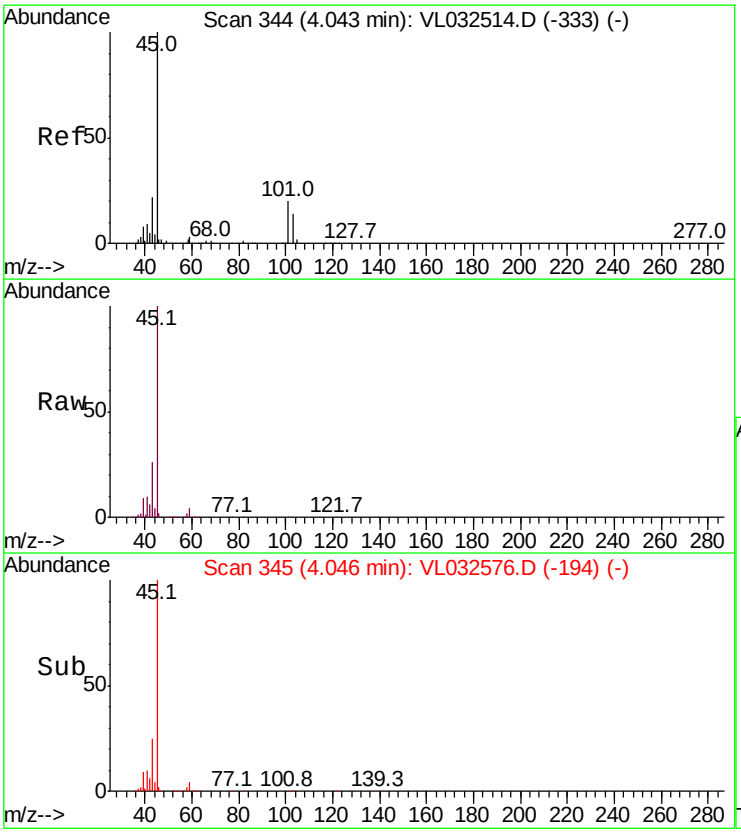
#17
tert-Butyl alcohol
Concen: 0.191 ppbv
RT: 4.40 min Scan# 454
Delta R.T. -0.01 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Tgt Ion: 59 Resp: 2824

Ion	Ratio	Lower	Upper
59	100		
57	0.0	0.0	0.0



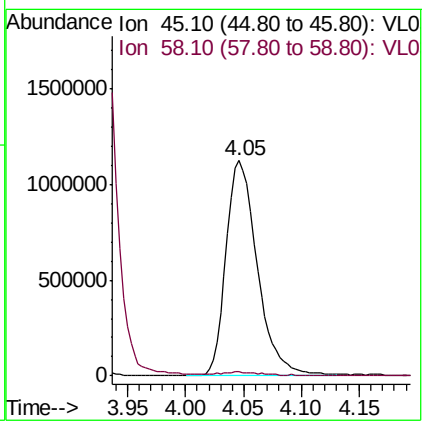
Instrument :
MSVOA_L
ClientSampleId :

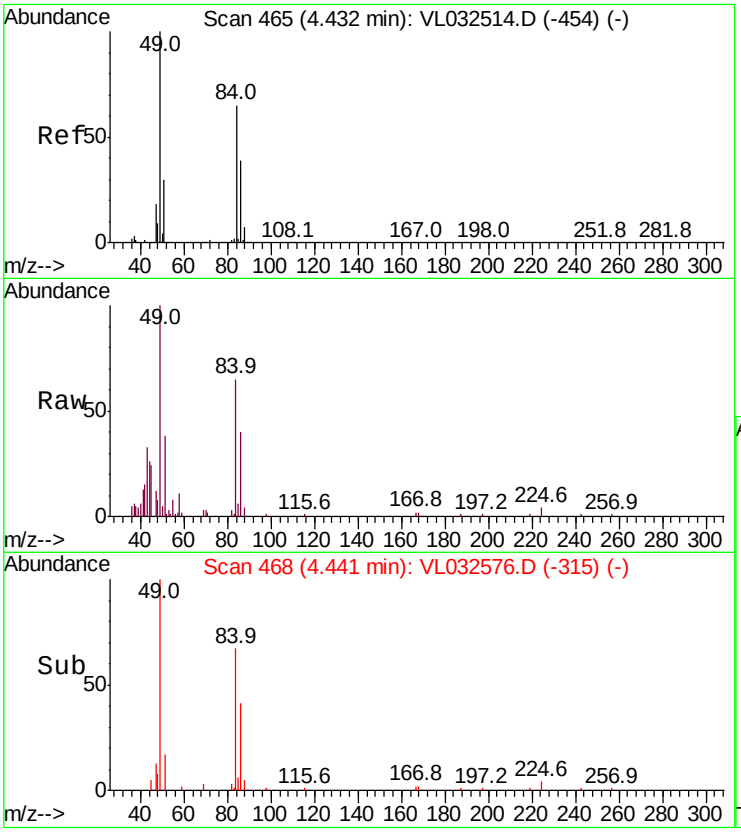


#19
Isopropyl Alcohol
Concen: 25.593 ppbv
RT: 4.05 min Scan# 345
Delta R.T. -0.01 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Tgt Ion: 45 Resp: 2101526

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#



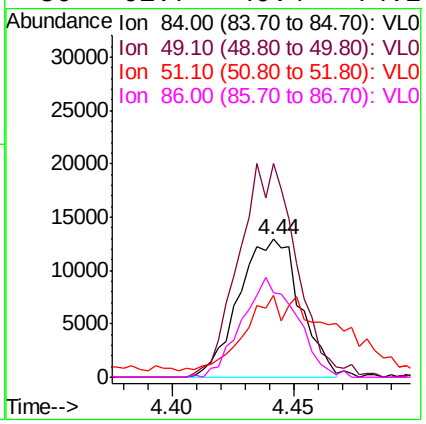


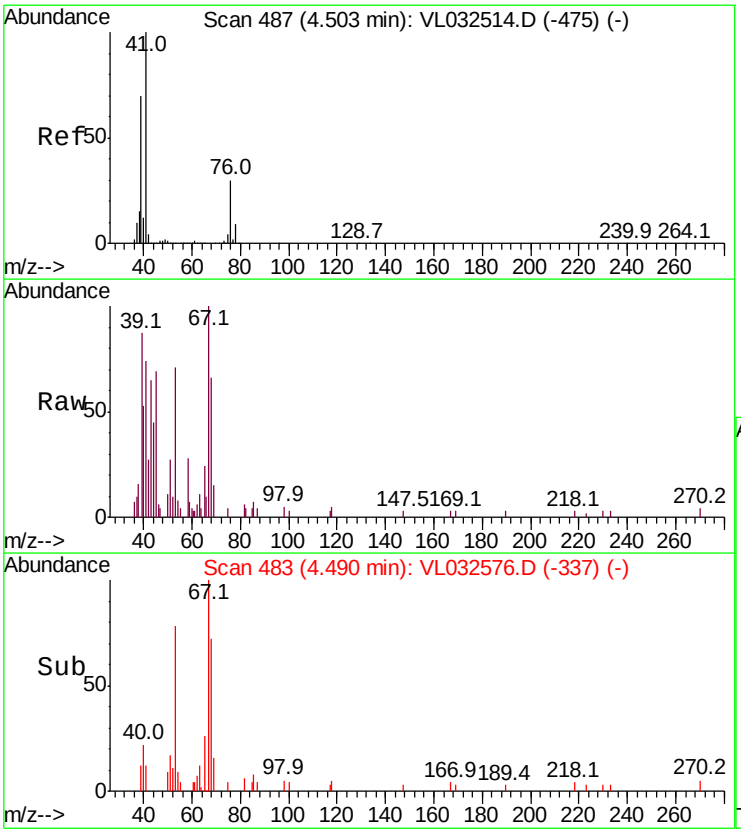
#20
Methylene Chloride
Concen: 0.395 ppbv
RT: 4.44 min Scan# 468
Delta R.T. -0.01 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 22556

Ion	Ratio	Lower	Upper
84	100		
49	155.0	119.1	178.7
51	53.2	35.2	52.8#
86	61.7	49.4	74.2

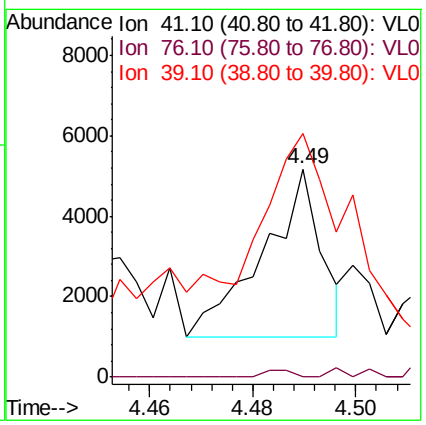


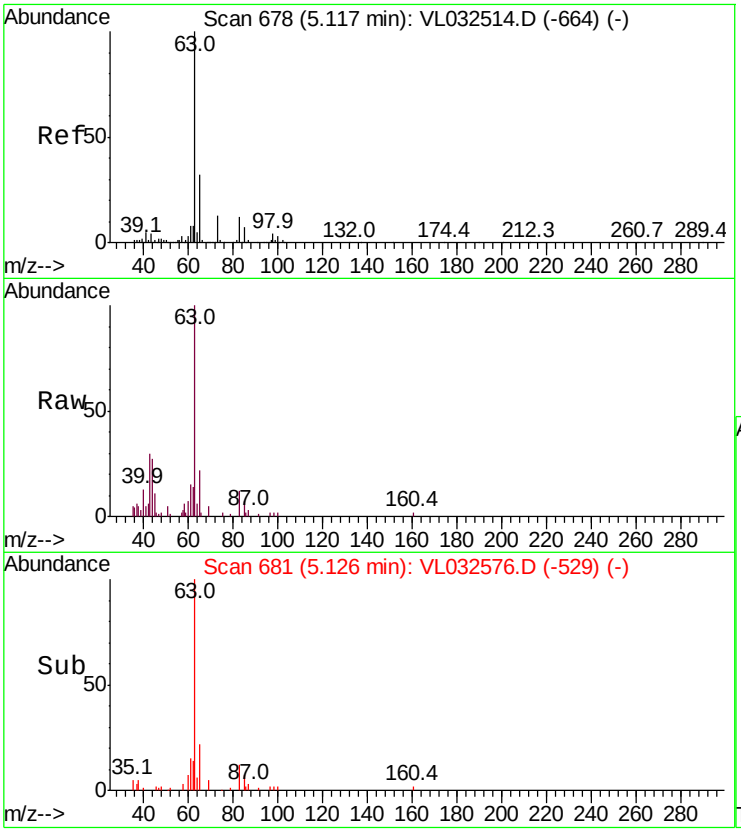


#21
Allyl Chloride
Concen: 0.034 ppbv
RT: 4.49 min Scan# 483
Delta R.T. -0.03 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Tgt Ion: 41 Resp: 3252

Ion	Ratio	Lower	Upper
41	100		
76	8.9	23.6	35.4#
39	347.0	57.7	86.5#



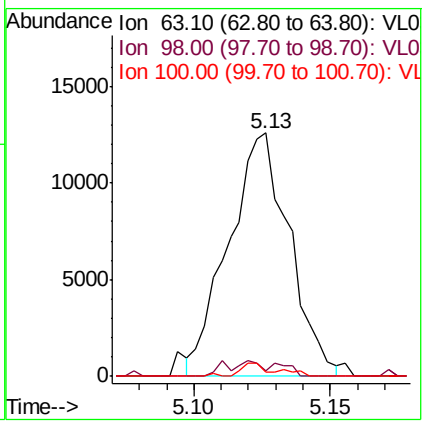


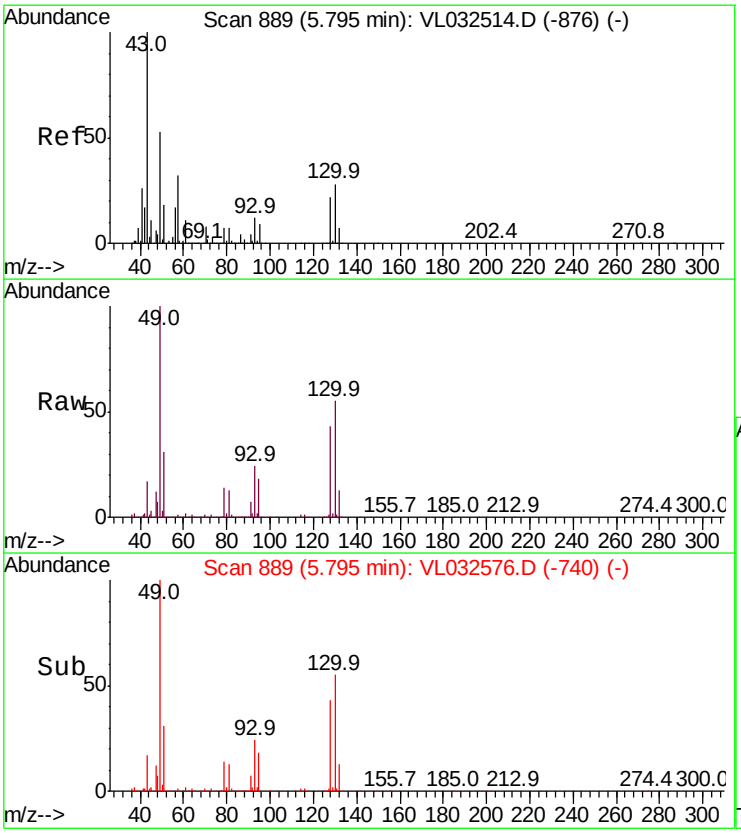
#24
1,1-Dichloroethane
Concen: 0.112 ppbv
RT: 5.13 min Scan# 681
Delta R.T. -0.01 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 19439

Ion	Ratio	Lower	Upper
63	100		
98	2.2	2.1	6.5
100	2.0	1.5	4.4

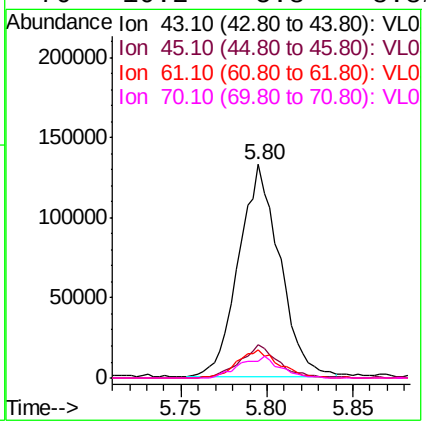


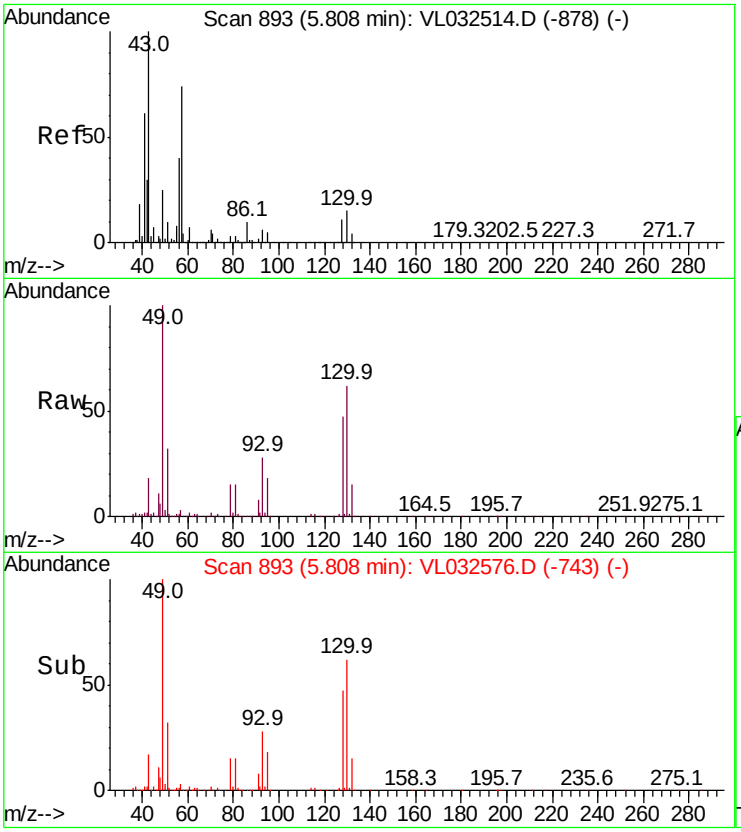


#25
Ethyl Acetate
Concen: 0.764 ppbv
RT: 5.80 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Tgt Ion: 43 Resp: 218433

Ion	Ratio	Lower	Upper
43	100		
45	14.7	8.0	12.0#
61	13.5	7.6	11.4#
70	10.2	5.8	8.8#



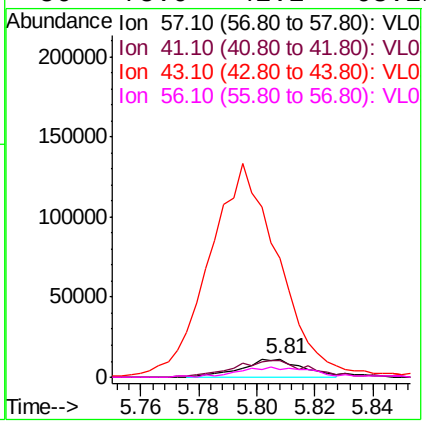


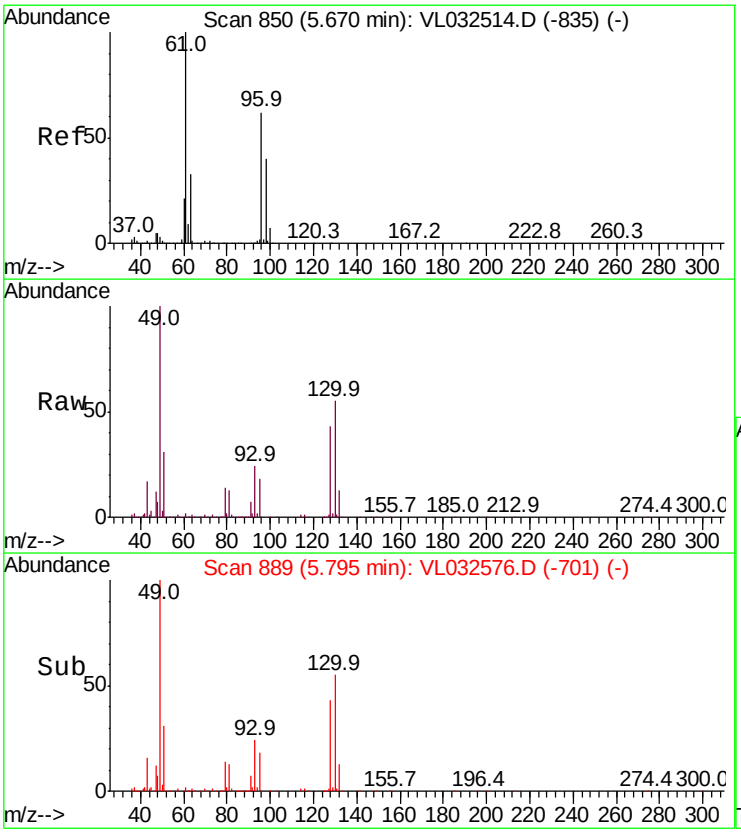
#26
Hexane
Concen: 0.127 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 16413

Ion	Ratio	Lower	Upper
57	100		
41	119.2	69.0	103.4#
43	1344.9	172.1	258.1#
56	75.0	42.2	63.2#

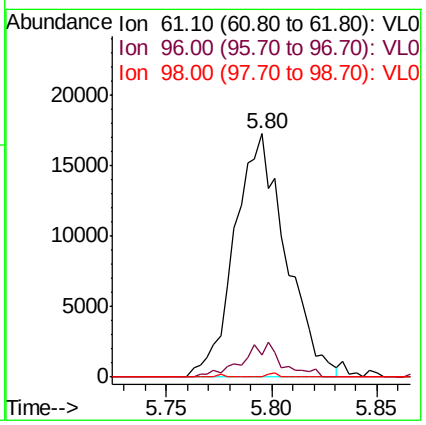


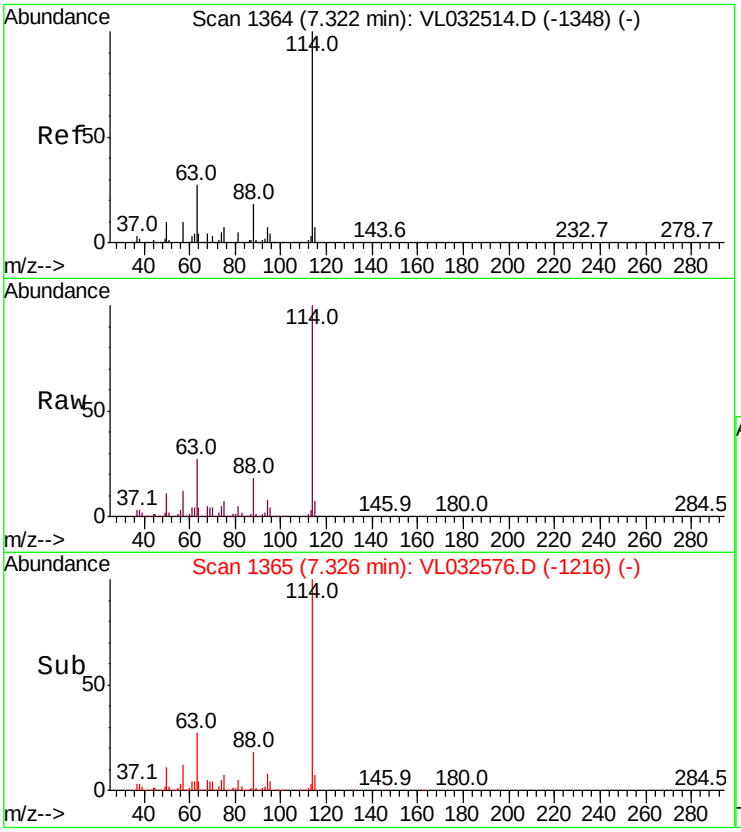


#31
cis-1,2-Dichloroethene
Concen: 0.237 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.10 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Tgt Ion: 61 Resp: 29120

Ion	Ratio	Lower	Upper
61	100		
96	9.3	49.2	73.8#
98	0.0	30.7	46.1#

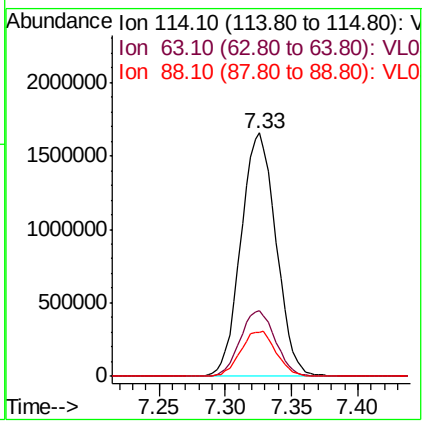




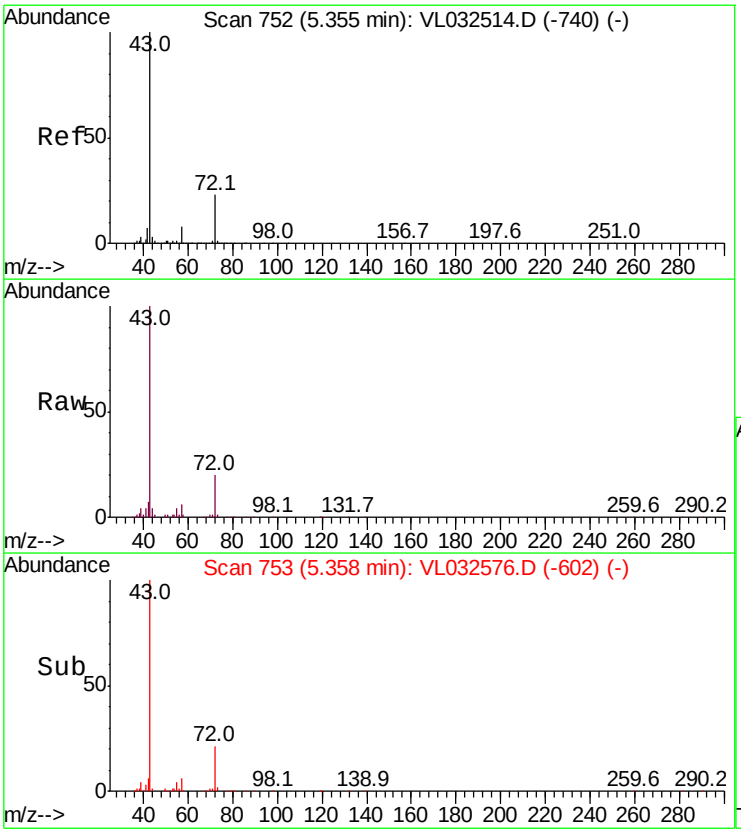
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.33 min Scan# 1365
Delta R.T. -0.02 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Tgt Ion:114 Resp: 3052949

Ion	Ratio	Lower	Upper
114	100		
63	27.1	22.2	33.4
88	18.6	15.0	22.4



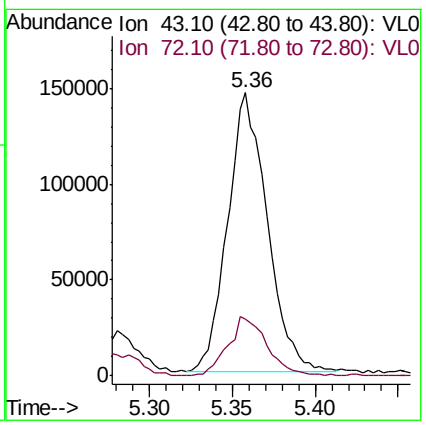
Instrument :
MSVOA_L
ClientSampleId :

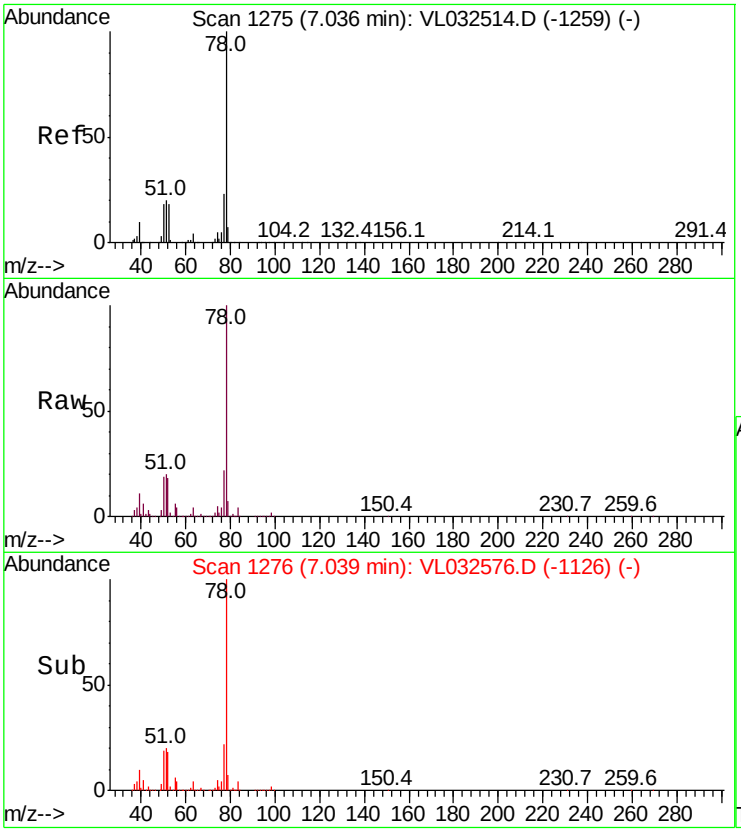


#34
2-Butanone
Concen: 1.323 ppbv
RT: 5.36 min Scan# 753
Delta R.T. -0.01 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Tgt Ion: 43 Resp: 240490

Ion	Ratio	Lower	Upper
43	100		
72	21.4	17.8	26.6



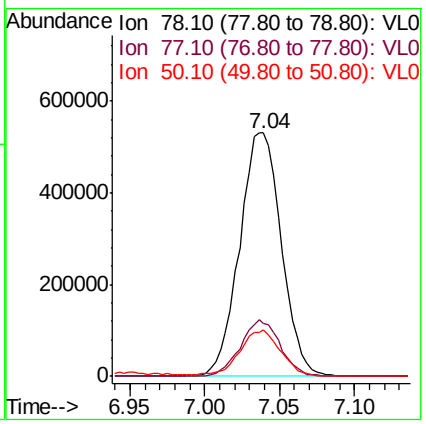


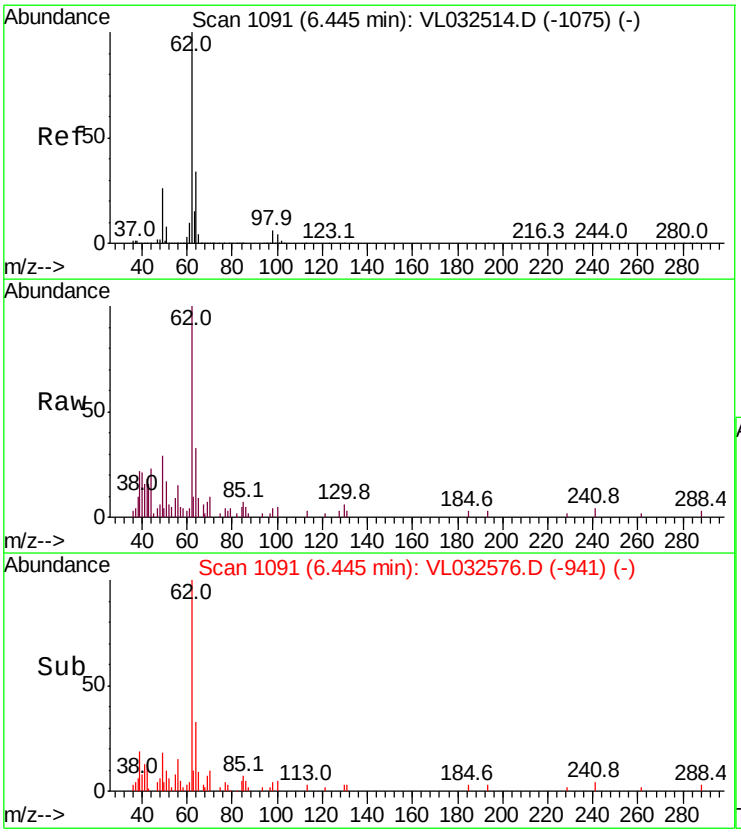
#36
Benzene
Concen: 4.174 ppbv
RT: 7.04 min Scan# 1276
Delta R.T. -0.02 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 1029742

Ion	Ratio	Lower	Upper
78	100		
77	21.6	18.4	27.6
50	19.2	14.4	21.6

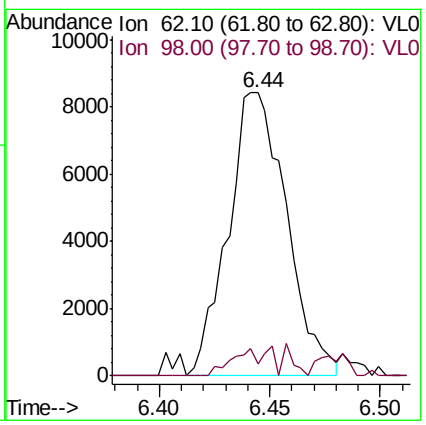


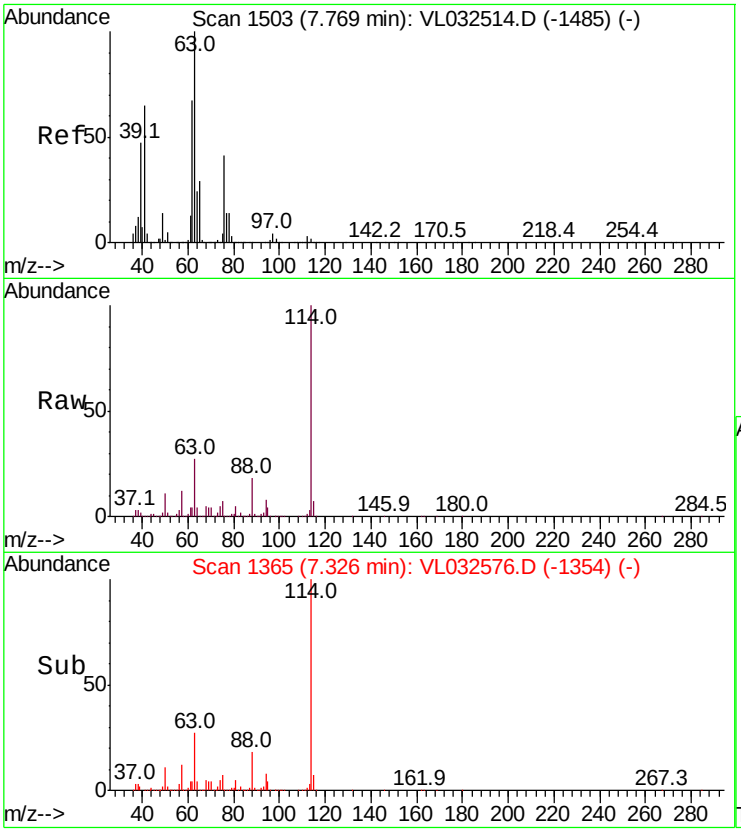


#37
1,2-Dichloroethane
Concen: 0.104 ppbv
RT: 6.44 min Scan# 1091
Delta R.T. -0.02 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Tgt Ion: 62 Resp: 15498

Ion	Ratio	Lower	Upper
62	100		
98	8.0	5.0	7.6#



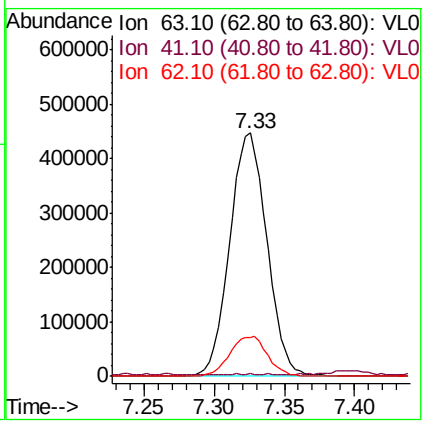


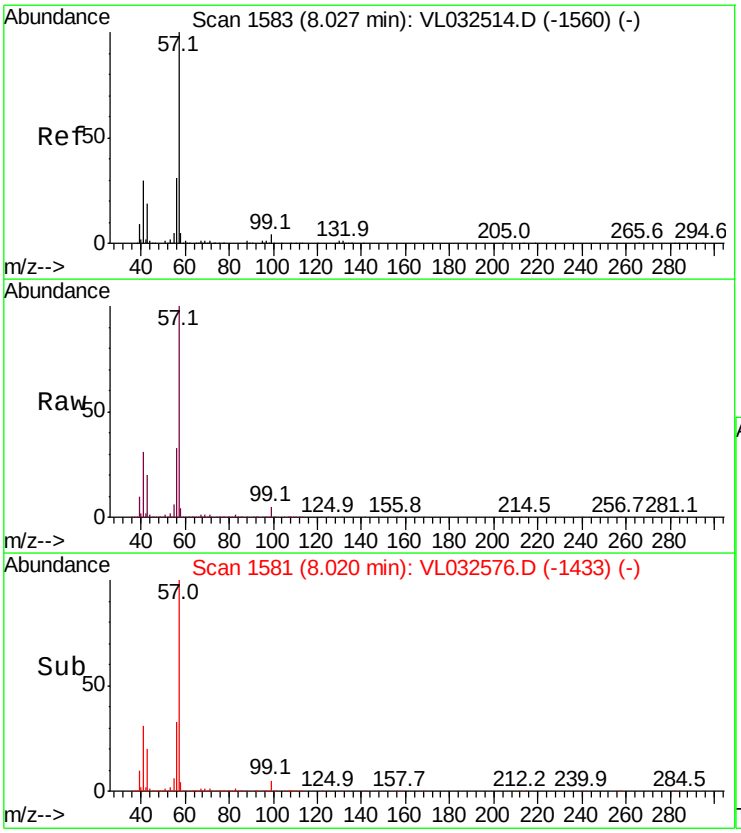
#39
1,2-Dichloropropane
Concen: 7.408 ppbv
RT: 7.33 min Scan# 1365
Delta R.T. -0.47 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 823647

Ion	Ratio	Lower	Upper
63	100		
41	0.5	55.4	83.0#
62	15.8	55.4	83.0#

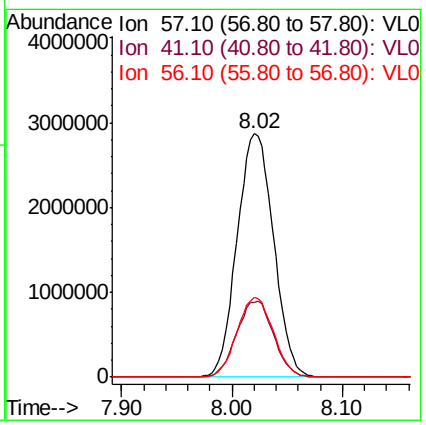


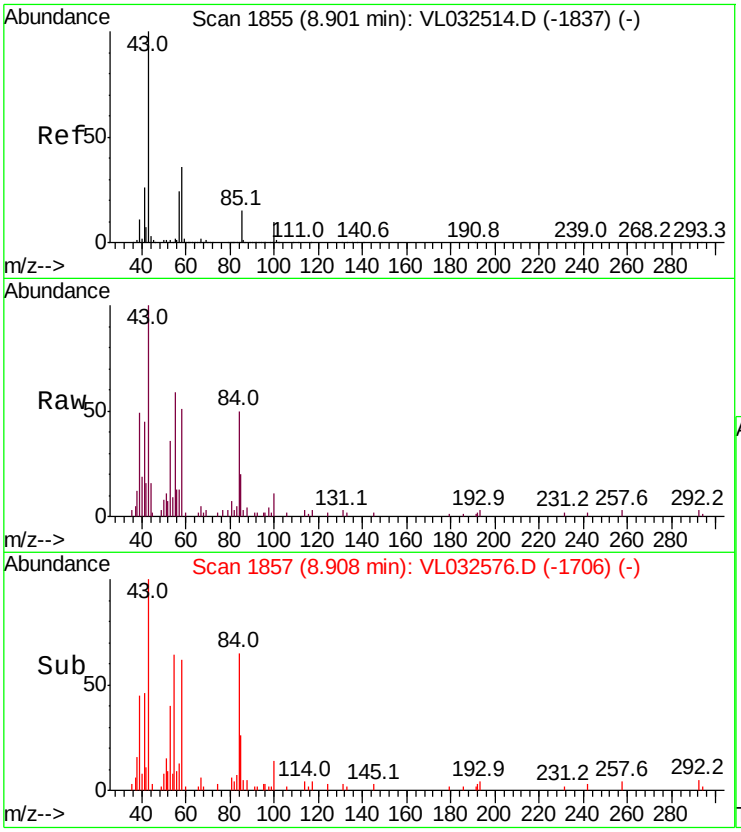


#44
2,2,4-Trimethylpentane
Concen: 13.642 ppbv
RT: 8.02 min Scan# 1581
Delta R.T. -0.02 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Tgt Ion: 57 Resp: 6577907

Ion	Ratio	Lower	Upper
57	100		
41	31.7	24.4	36.6
56	32.6	25.7	38.5



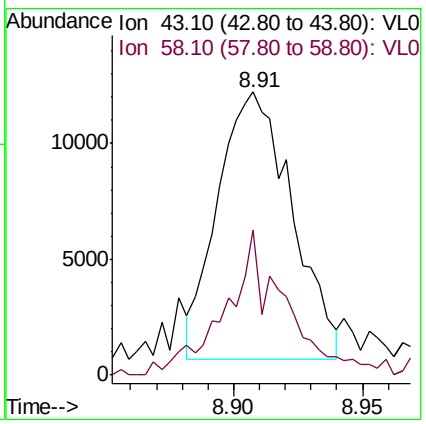


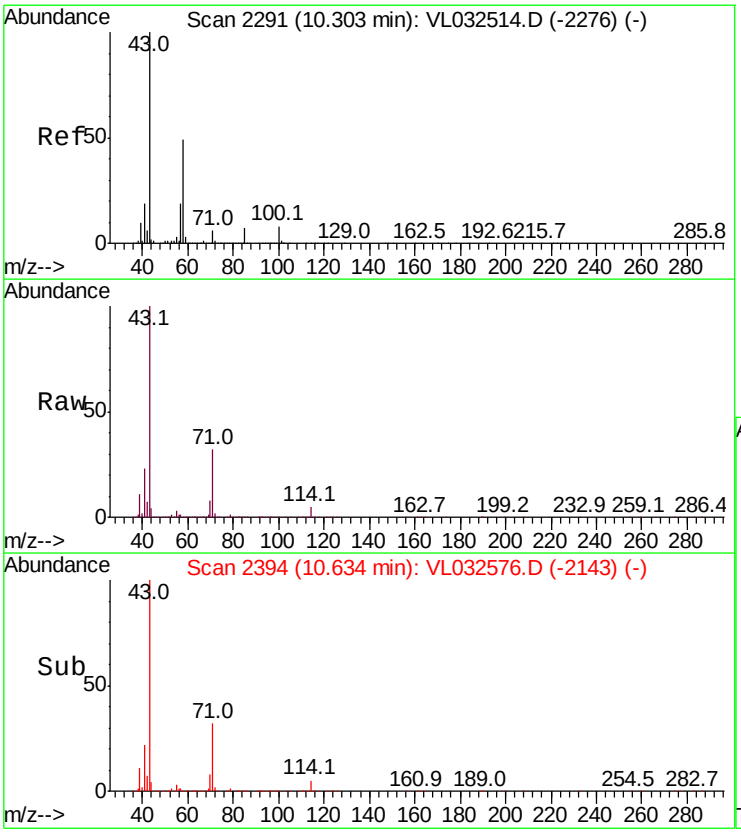
#50
4-Methyl-2-Pentanone
Concen: 0.080 ppbv
RT: 8.91 min Scan# 1857
Delta R.T. -0.01 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 22993

Ion	Ratio	Lower	Upper
43	100		
58	43.4	29.0	43.4

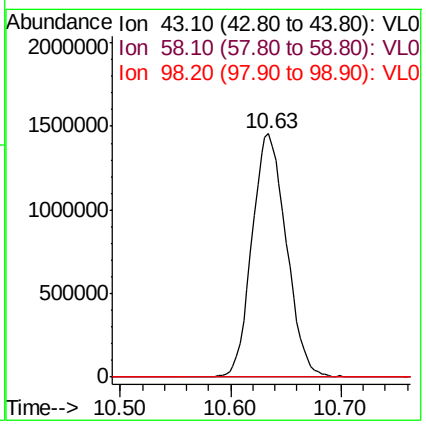


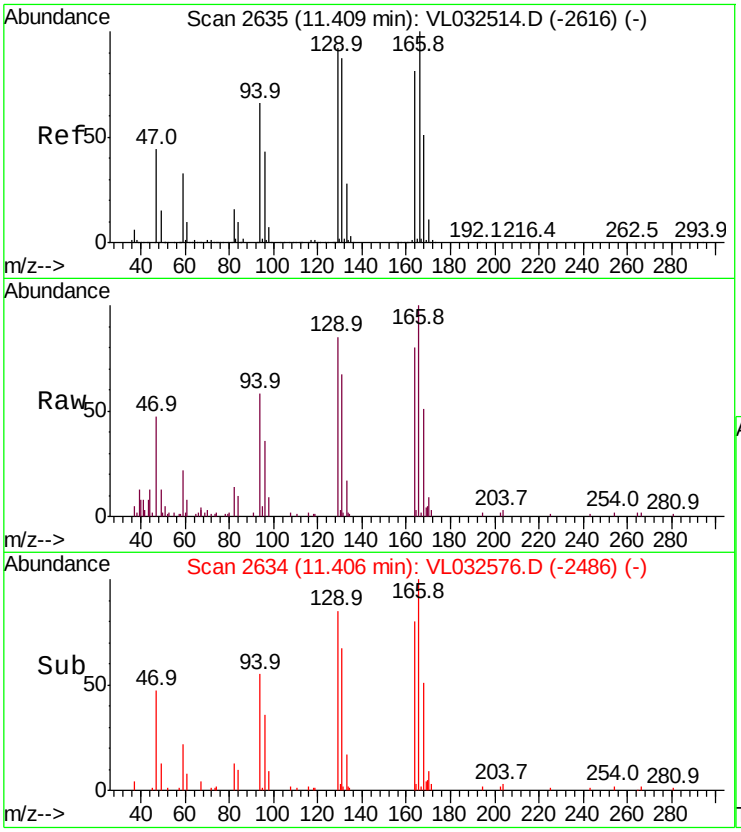


#51
2-Hexanone
Concen: 13.222 ppbv
RT: 10.63 min Scan# 2394
Delta R.T. 0.31 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Tgt Ion: 43 Resp: 3125010

Ion	Ratio	Lower	Upper
43	100		
58	0.1	39.2	58.8#
98	0.0	0.4	0.6#



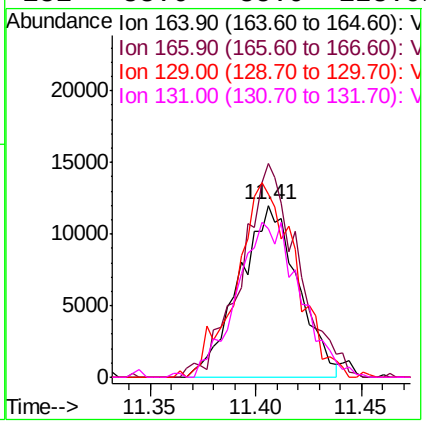


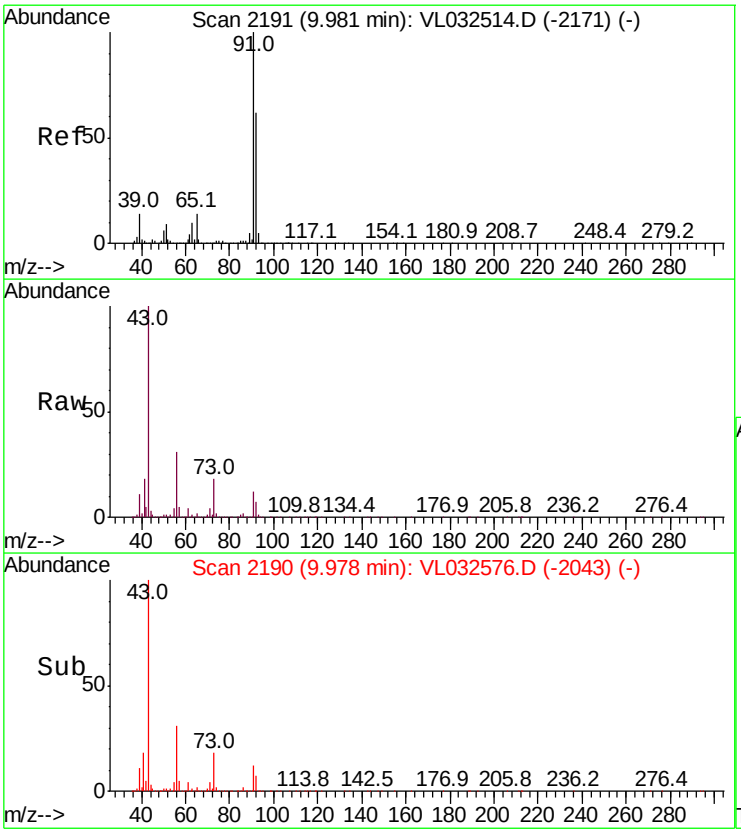
#52
Tetrachloroethene
Concen: 0.271 ppbv
RT: 11.41 min Scan# 2634
Delta R.T. -0.02 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:164 Resp: 23242

Ion	Ratio	Lower	Upper
164	100		
166	115.3	100.6	150.8
129	102.6	89.9	134.9
131	83.6	85.9	128.9#

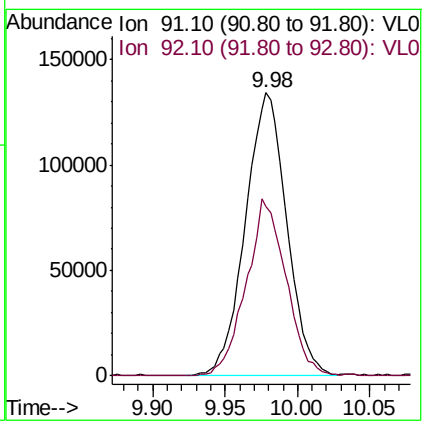


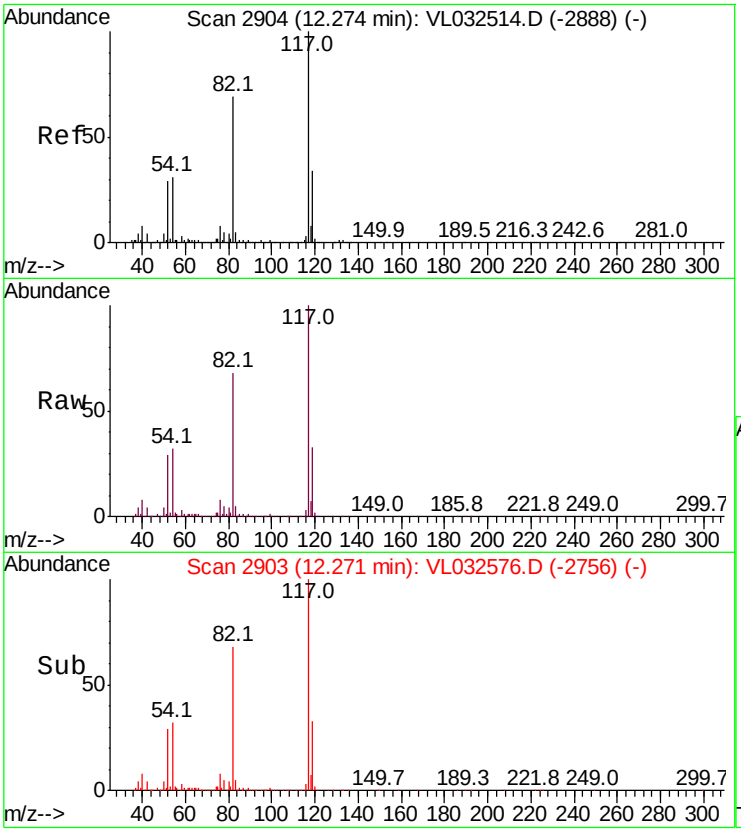


#53
Toluene
Concen: 0.888 ppbv
RT: 9.98 min Scan# 2190
Delta R.T. -0.03 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Tgt Ion: 91 Resp: 267113

Ion	Ratio	Lower	Upper
91	100		
92	60.3	48.1	72.1



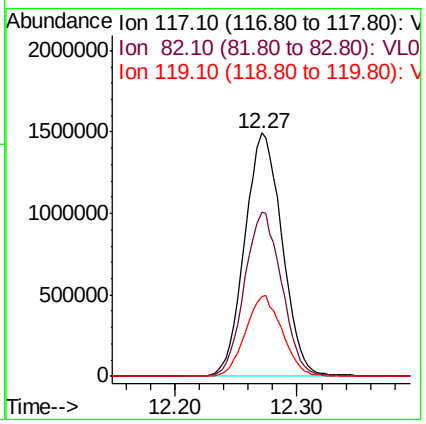


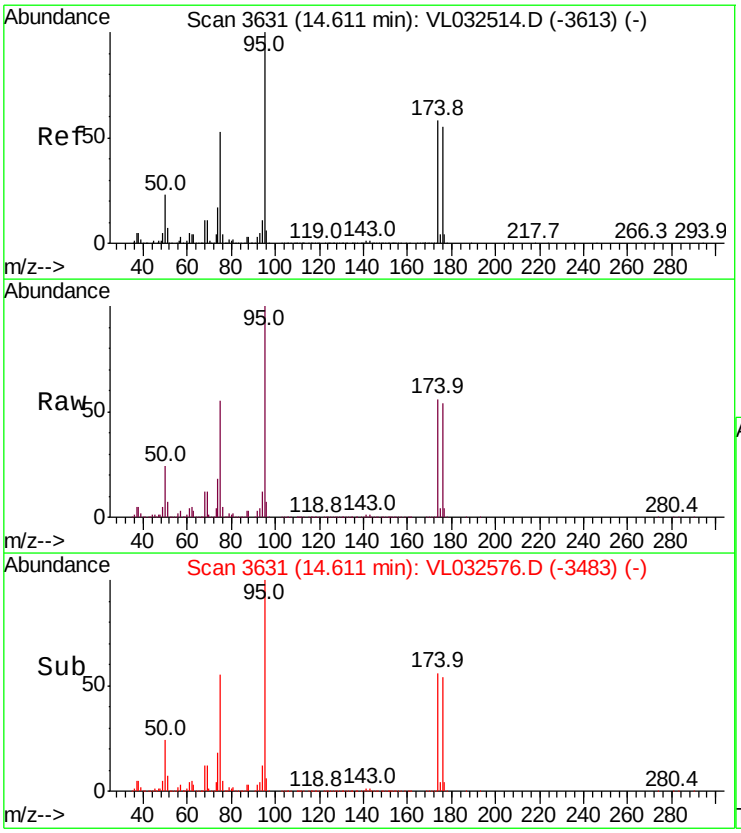
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 3152784

Ion	Ratio	Lower	Upper
117	100		
82	67.7	53.0	79.6
119	32.6	45.9	68.9#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.742 ppbv
RT: 14.61 min Scan# 3631
Delta R.T. -0.02 min
Lab File: VL032576.D
Acq: 28 Sep 2018 9:54

Tgt Ion: 95 Resp: 2316332

Ion	Ratio	Lower	Upper
95	100		
174	58.0	46.3	69.5
175	4.1	3.4	5.0