Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071119\

Quantitation Report (Not Reviewed)

Data File : VL034031.D
Acq On : 12 Jul 2019 00:09
Operator : SY/AP
Sample : K3747-02RE
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SVS-2RE

Quant Time: Jul 12 07:03:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.72	49	820977	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.25	114	2205897	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.19	117	2259723	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.53	95	1815623	9.42	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	17971	0.106	ppbv		91
3) Chlorodifluoromethane	2.99	51	19809	0.195	ppbv	#	86
4) Chloromethane	3.15	50	2664	0.046	ppbv	#	1
10) Heptane	8.20	43	8510	0.091	ppbv	#	23
11) Trichlorofluoromethane	3.98	101	10363	0.054	ppbv		93
13) Ethanol	3.61	45	657	0.057	ppbv	#	35
15) Acetone	3.88	43	322472	2.336	ppbv		92
17) tert-Butyl alcohol	4.35	59	26483	0.241	ppbv	#	73
20) Methylene Chloride	4.38	84	17055	0.283	ppbv	#	85
23) Vinyl Acetate	5.11	43	46864	0.340	ppbv	#	94
25) Ethyl Acetate	5.74	43	31753	0.168	ppbv	#	83
26) Hexane	5.74	57	24399	0.282	ppbv	#	41
27) Carbon Disulfide	4.58	76	6302	0.043	ppbv	#	36
29) Chloroform	5.81	83	41665	0.257	ppbv	#	80
30) Cyclohexane	7.20	84	2157	0.032	ppbv	#	1
31) cis-1,2-Dichloroethene	5.61	61	66627	0.798	ppbv		87
34) 2-Butanone	5.31	43	33756	0.289	ppbv	#	90
36) Benzene	6.97	78	19931	0.115	ppbv	#	86
38) Trichloroethene	7.92	130	56775	0.739	ppbv		91
39) 1,2-Dichloropropane	7.25	63	548176	8.541	ppbv	#	24
41) Tetrahydrofuran	6.11	42	3137	0.055	ppbv	#	46
44) 2,2,4-Trimethylpentane	7.94	57	9710	0.033	ppbv	#	43
52) Tetrachloroethene	11.33	164	9635	0.130	ppbv	#	71
53) Toluene	9.90	91	660329	3.342	ppbv		99
58) Ethyl Benzene	12.82	91	68155	0.251	ppbv		97
59) m/p-Xylene	13.08	91	610844	2.483	ppbv		99
60) o-Xylene	13.80	91	200416	0.814	ppbv		96
65) tert-Butylbenzene	16.87	119	14728	0.046	ppbv	#	21
70) n-Butylbenzene	18.67	91	12526	0.032	ppbv	#	34
72) 4-Ethyltoluene	15.95	105	62450	0.198	ppbv	#	55
73) 1,3,5-Trimethylbenzene	16.12	105	71904	0.244	ppbv		91
74) 1,2,4-Trimethylbenzene	16.88	105	378283	1.161	ppbv	#	73
79) Naphthalene	22.35	128	31371	0.115	ppbv	#	95
80) Naphthalene,2-methyl-	25.08	142	13784	0.138	ppbv	#	86

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

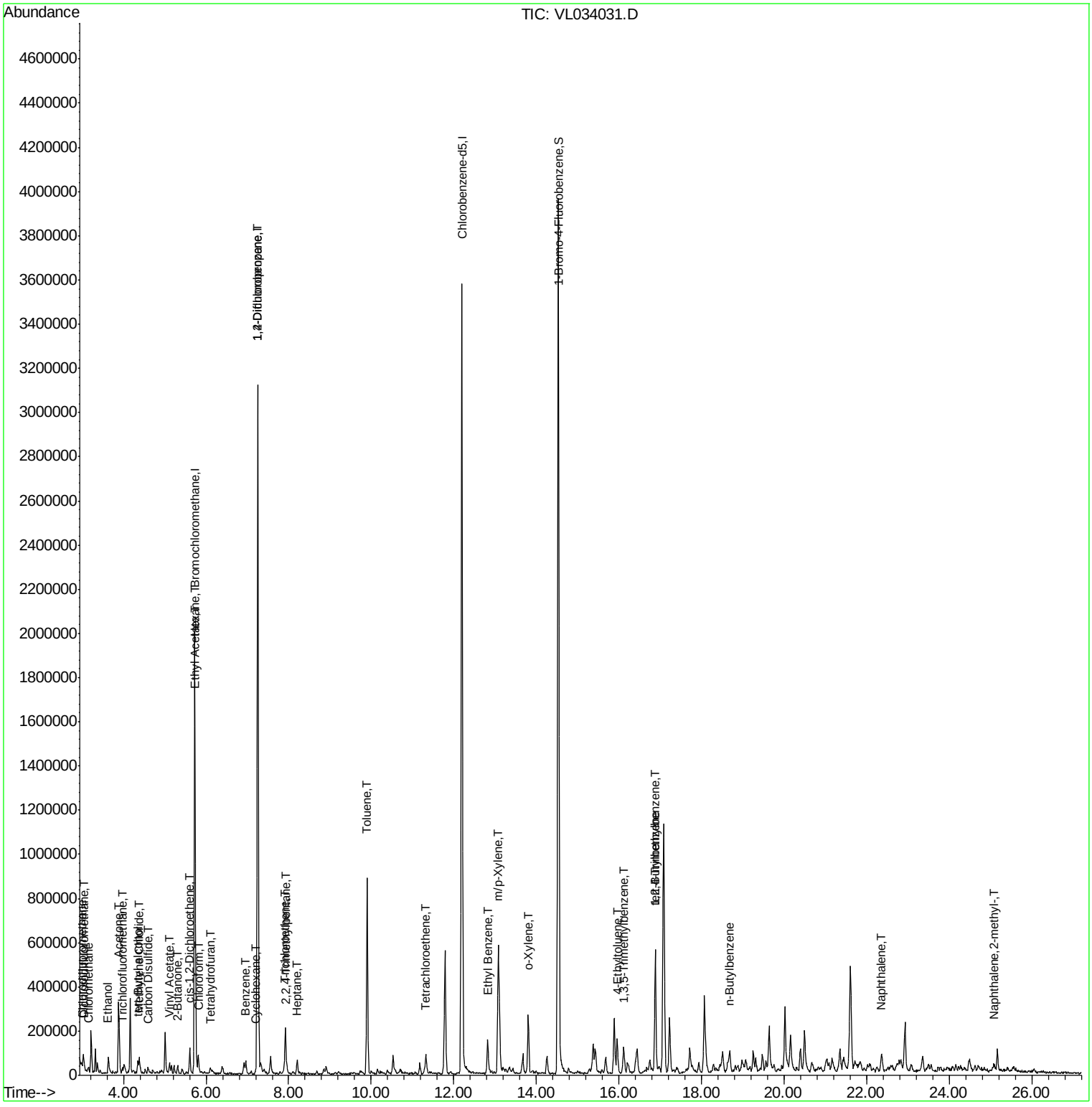
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071119\

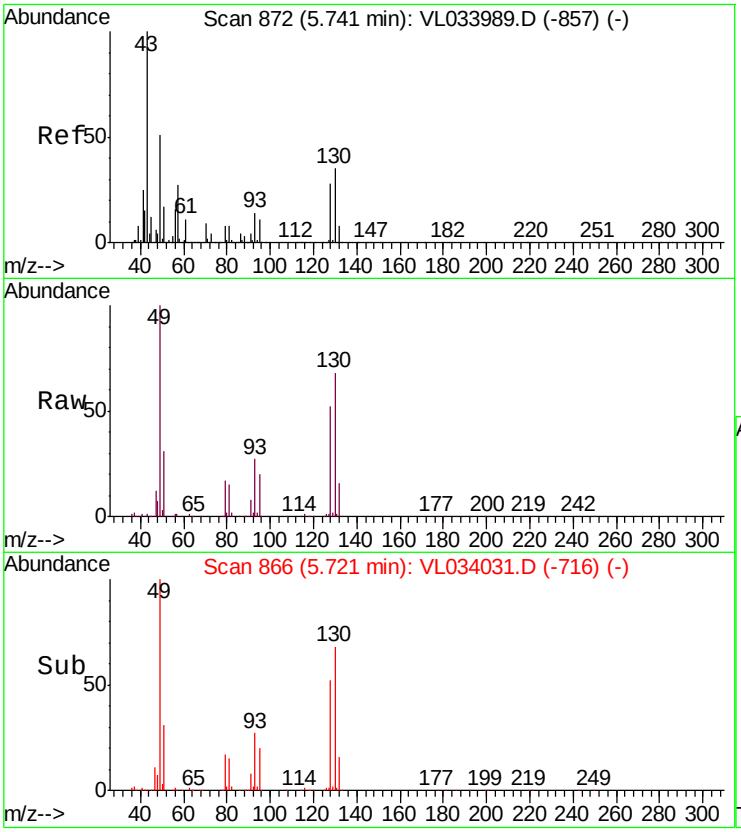
Quantitation Report (Not Reviewed)

Data File : VL034031.D
Acq On : 12 Jul 2019 00:09
Operator : SY/AP
Sample : K3747-02RE
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SVS-2RE

Quant Time: Jul 12 07:03:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration



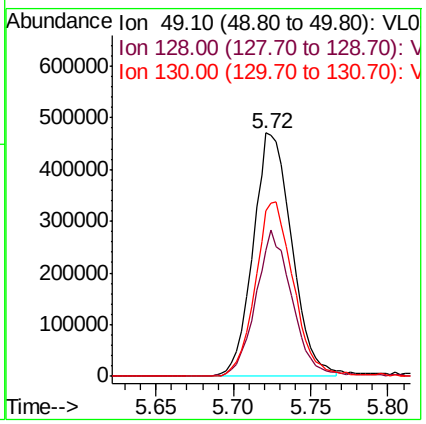


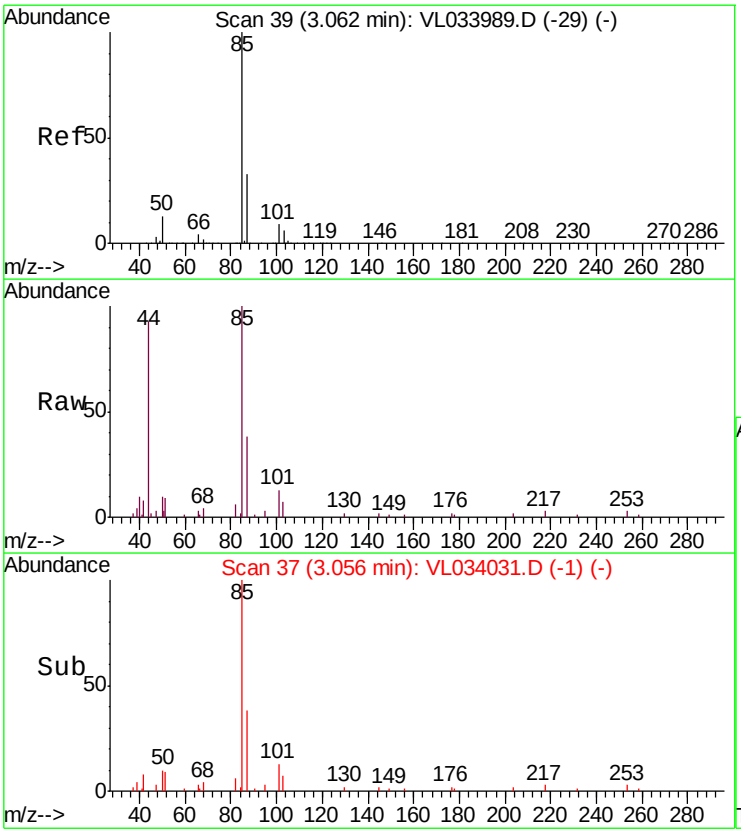
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.72 min Scan# 866
Delta R.T. -0.02 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Instrument :
MSVOA_L
ClientSampleId :
SVS-2RE

Tgt Ion: 49 Resp: 820977

Ion	Ratio	Lower	Upper
49	100		
128	56.3	27.9	83.6
130	71.5	35.8	107.4

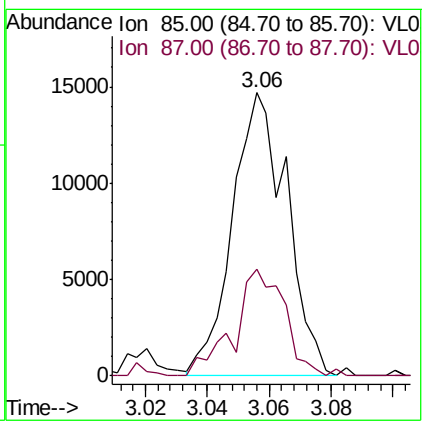


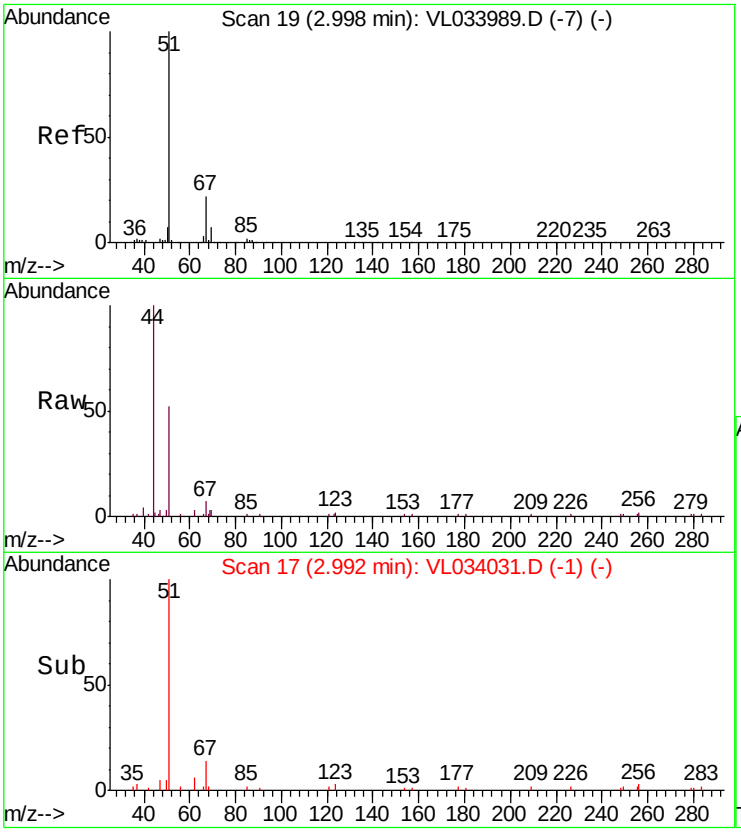


#2
Dichlorodifluoromethane
Concen: 0.106 ppbv
RT: 3.06 min Scan# 37
Delta R.T. -0.01 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Tgt Ion: 85 Resp: 17971

Ion	Ratio	Lower	Upper
85	100		
87	37.8	26.0	39.0



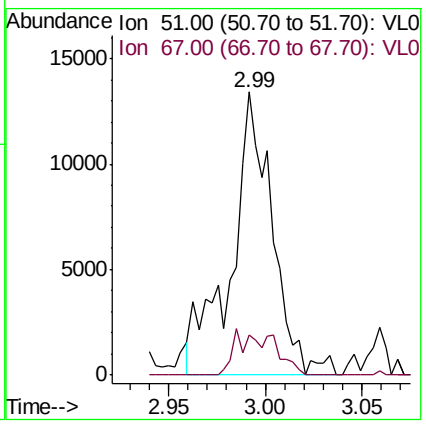


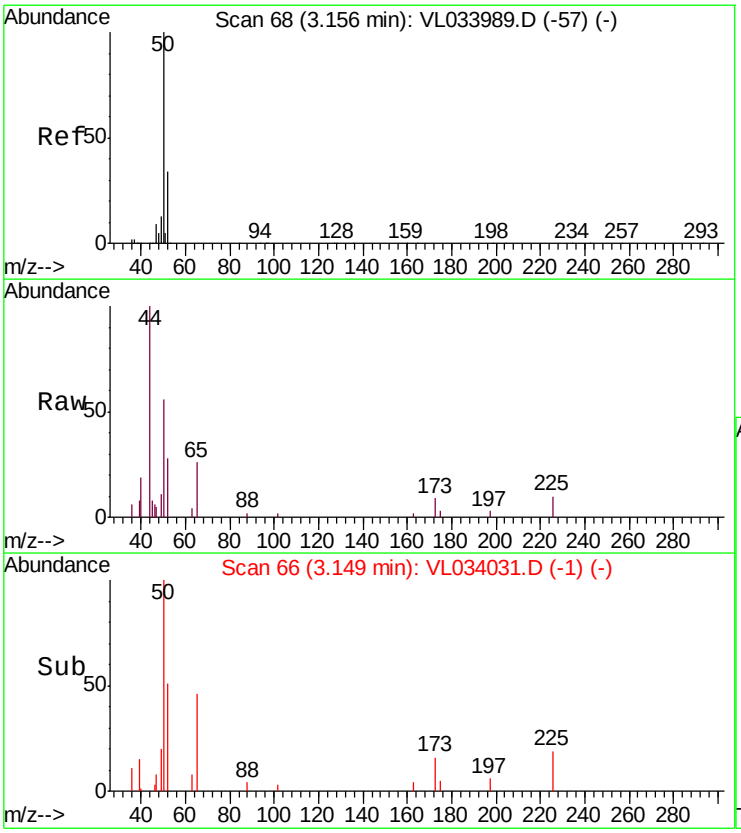
#3
Chlorodifluoromethane
Concen: 0.195 ppbv
RT: 2.99 min Scan# 17
Delta R.T. -0.01 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Instrument :
MSVOA_L
ClientSampleId :
SVS-2RE

Tgt Ion: 51 Resp: 19809

Ion	Ratio	Lower	Upper
51	100		
67	14.8	17.3	25.9#

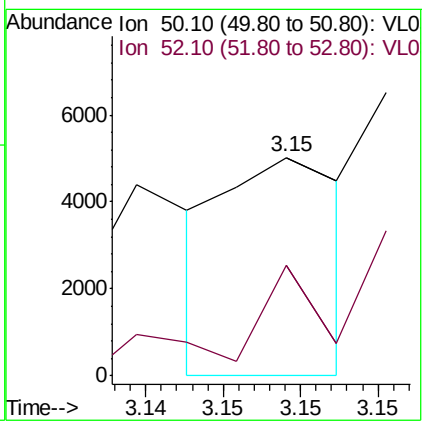


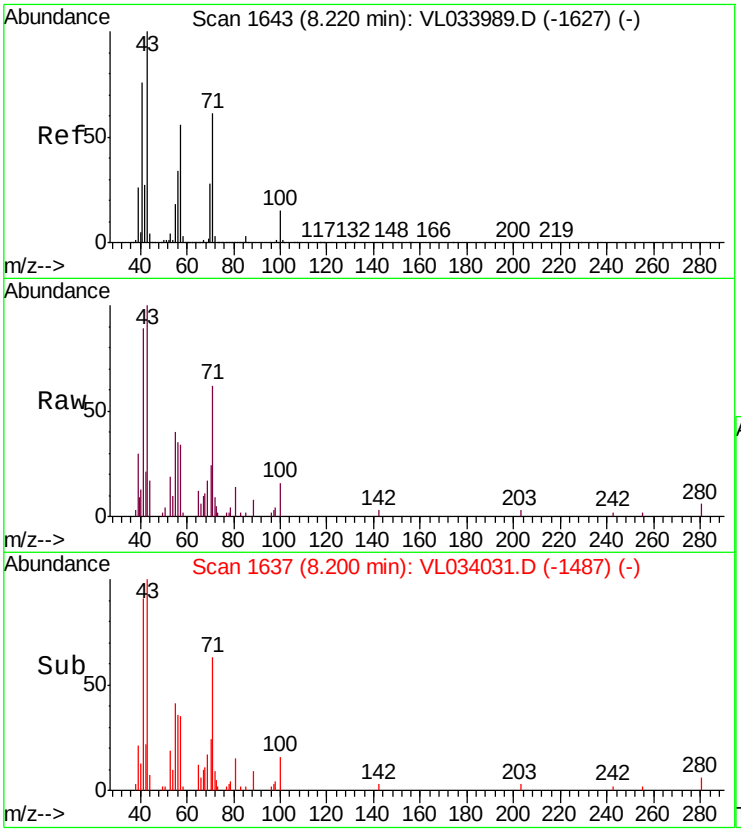


#4
Chloromethane
Concen: 0.046 ppbv
RT: 3.15 min Scan# 66
Delta R.T. -0.01 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Tgt Ion: 50 Resp: 2664

Ion	Ratio	Lower	Upper
50	100		
52	147.3	27.4	41.0#



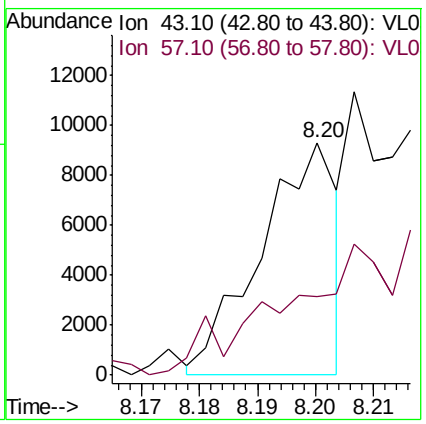


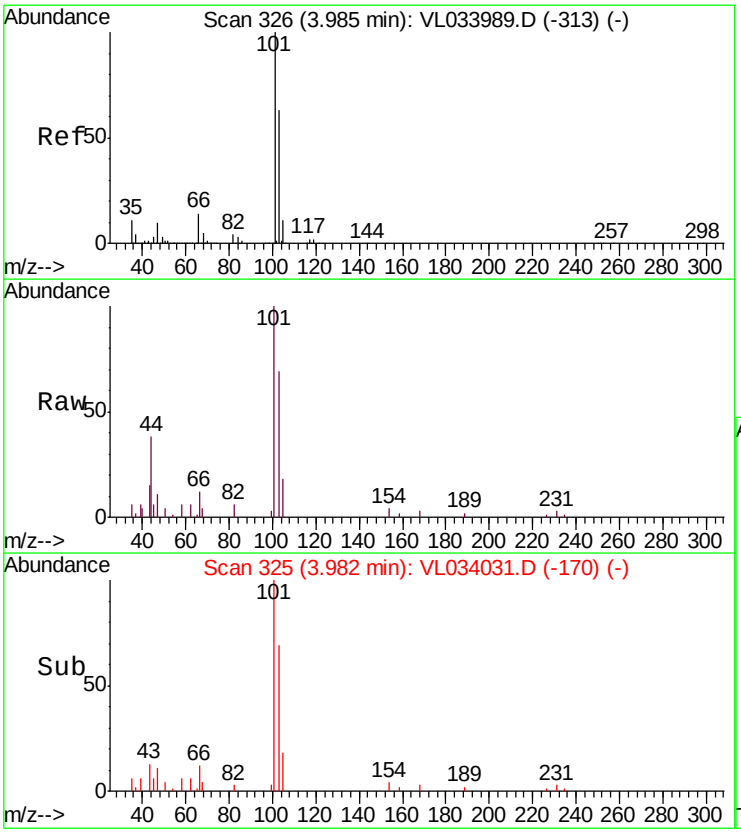
#10
Heptane
Concen: 0.091 ppbv
RT: 8.20 min Scan# 1637
Delta R.T. -0.02 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Instrument :
MSVOA_L
ClientSampleId :
SVS-2RE

Tgt Ion: 43 Resp: 8510

Ion	Ratio	Lower	Upper
43	100		
57	0.0	44.6	66.8#

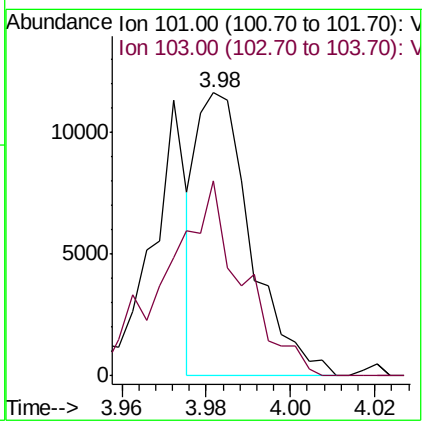


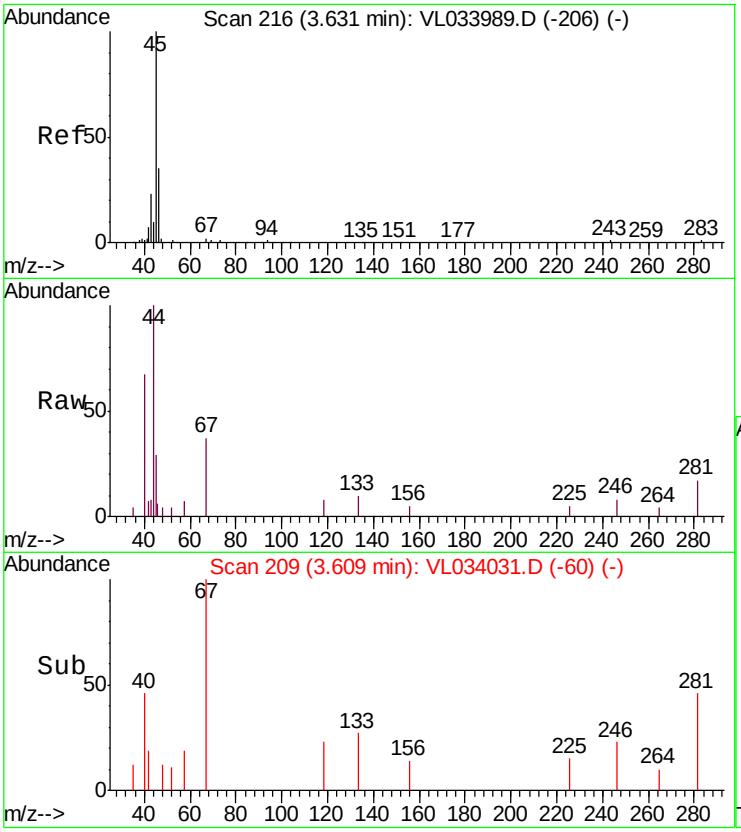


#11
Trichlorofluoromethane
Concen: 0.054 ppbv
RT: 3.98 min Scan# 325
Delta R.T. -0.00 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Tgt Ion:101 Resp: 10363

Ion	Ratio	Lower	Upper
101	100		
103	69.1	50.8	76.2



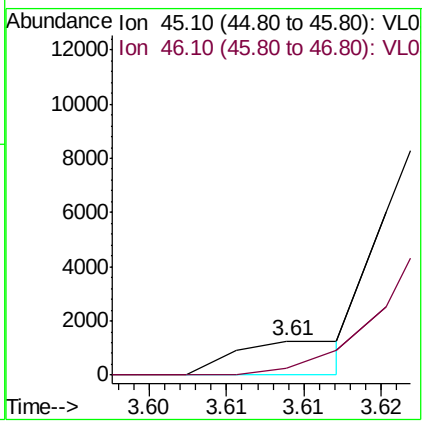


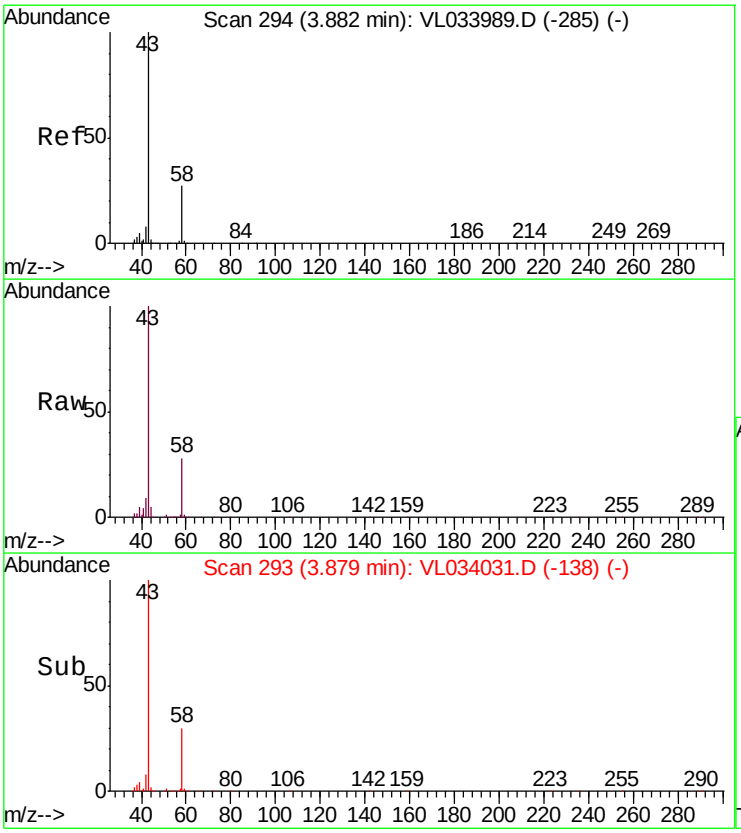
#13
Ethanol
Concen: 0.057 ppbv
RT: 3.61 min Scan# 209
Delta R.T. -0.02 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Instrument :
MSVOA_L
ClientSampleId :
SVS-2RE

Tgt Ion: 45 Resp: 657

Ion	Ratio	Lower	Upper
45	100		
46	0.0	16.2	64.6#

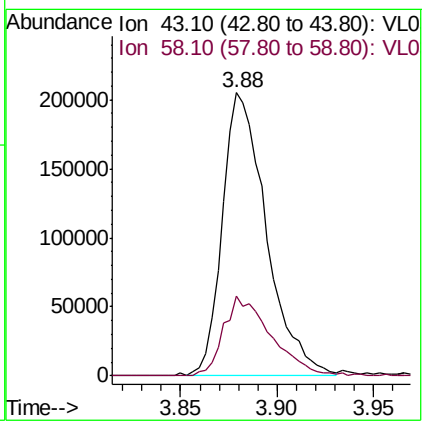


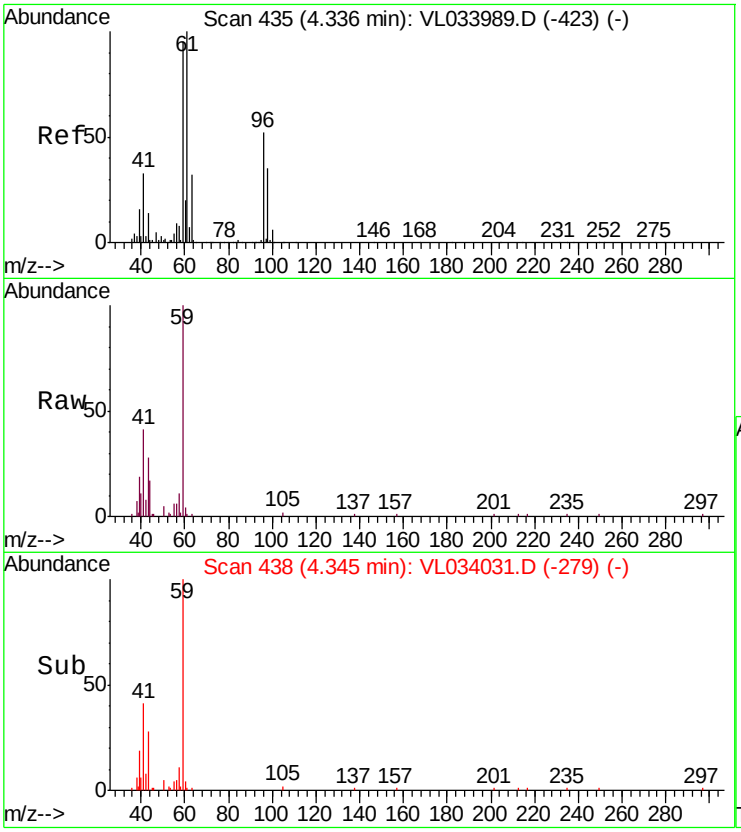


#15
Acetone
Concen: 2.336 ppbv
RT: 3.88 min Scan# 293
Delta R.T. -0.00 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Tgt Ion: 43 Resp: 322472

Ion	Ratio	Lower	Upper
43	100		
58	30.9	21.4	32.0



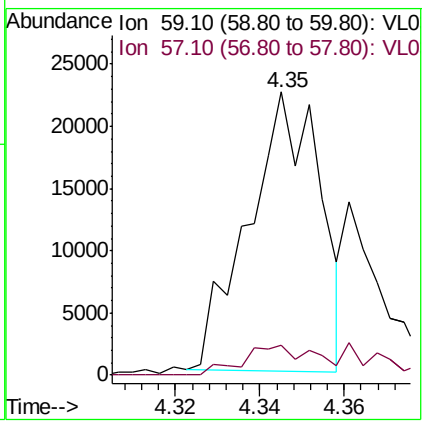


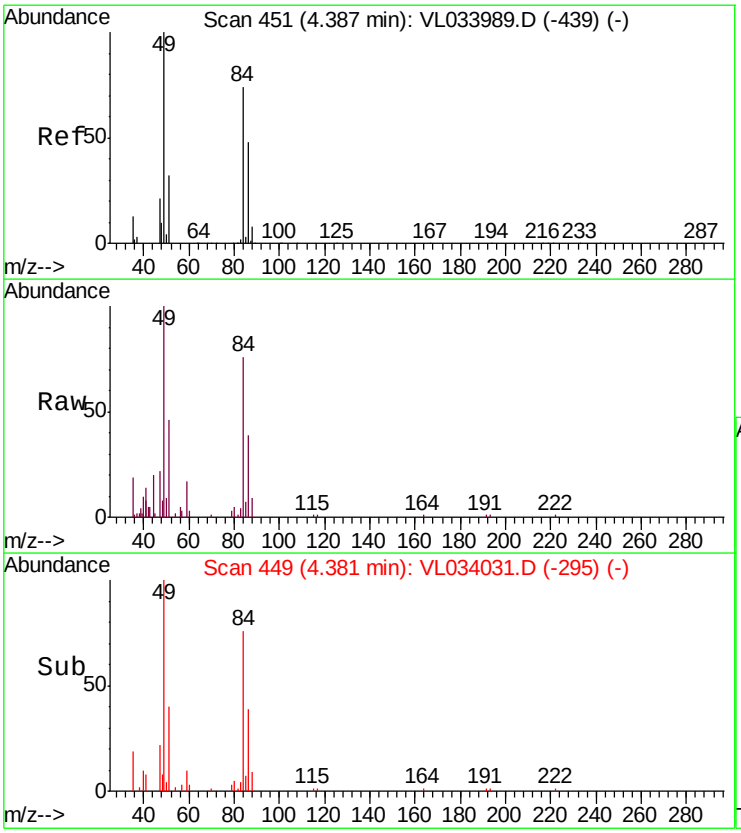
#17
tert-Butyl alcohol
Concen: 0.241 ppbv
RT: 4.35 min Scan# 438
Delta R.T. 0.01 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Instrument : MSVOA_L
ClientSampleId : SVS-2RE

Tgt Ion: 59 Resp: 26483

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#

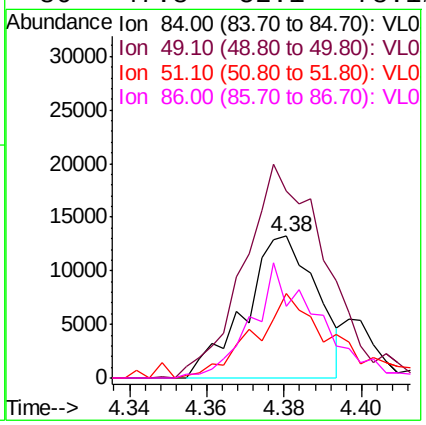


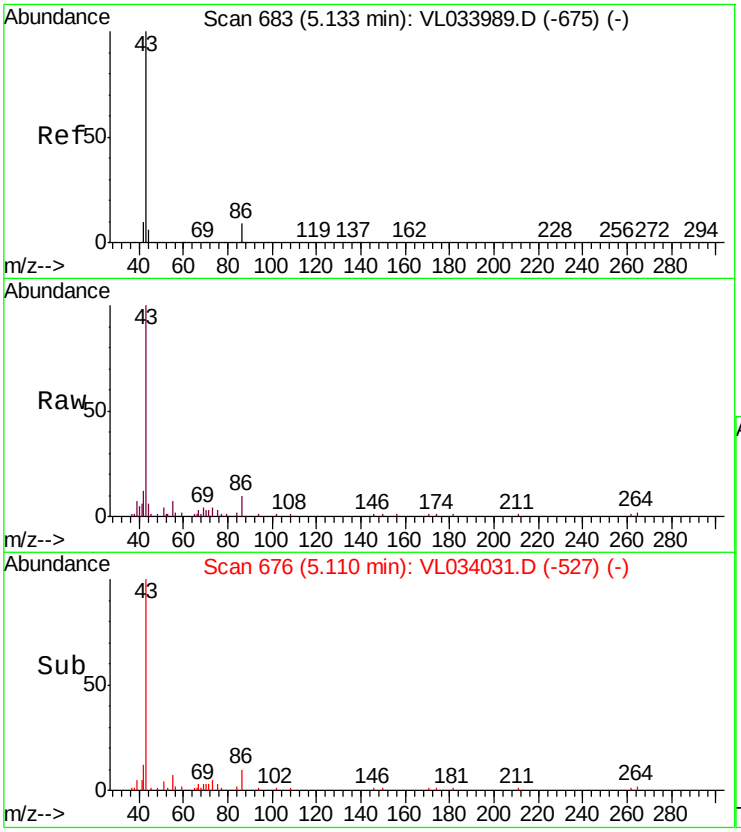


#20
Methylene Chloride
Concen: 0.283 ppbv
RT: 4.38 min Scan# 449
Delta R.T. -0.01 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Tgt Ion: 84 Resp: 17055

Ion	Ratio	Lower	Upper
84	100		
49	123.4	107.6	161.4
51	58.2	35.0	52.6#
86	47.8	52.1	78.1#



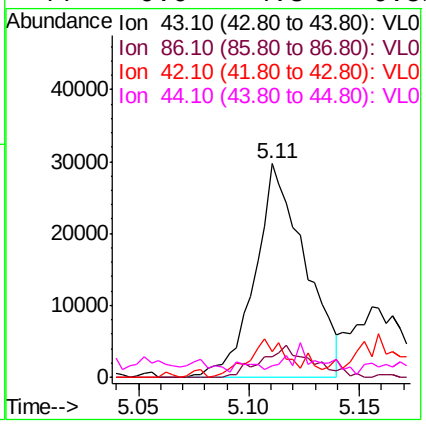


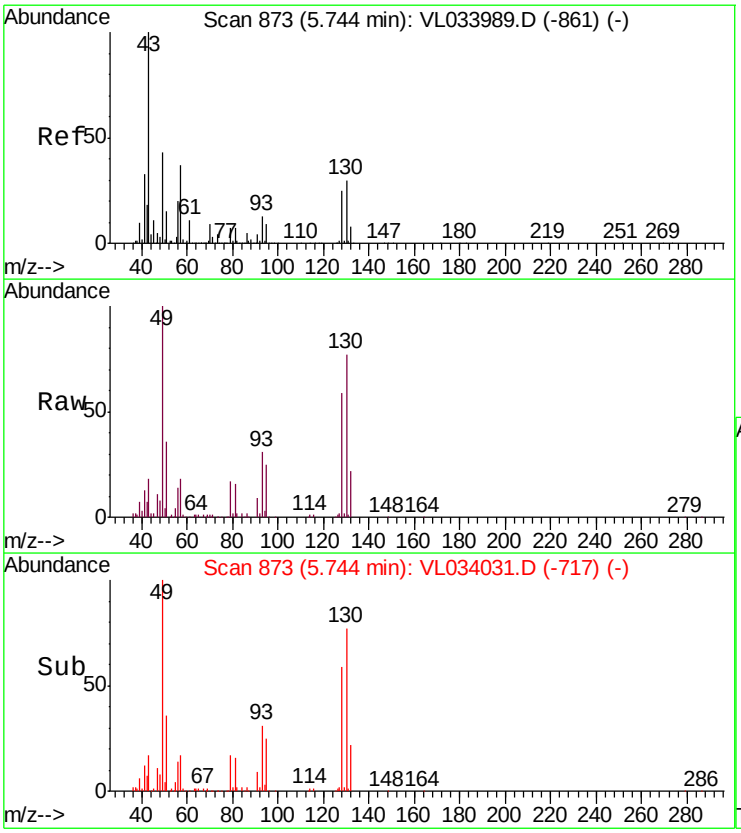
#23
Vinyl Acetate
Concen: 0.340 ppbv
RT: 5.11 min Scan# 676
Delta R.T. -0.02 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Instrument : MSVOA_L
ClientSampleId : SVS-2RE

Tgt Ion: 43 Resp: 46864

Ion	Ratio	Lower	Upper
43	100		
86	9.5	6.6	9.8
42	11.3	8.3	12.5
44	0.0	4.3	6.5#

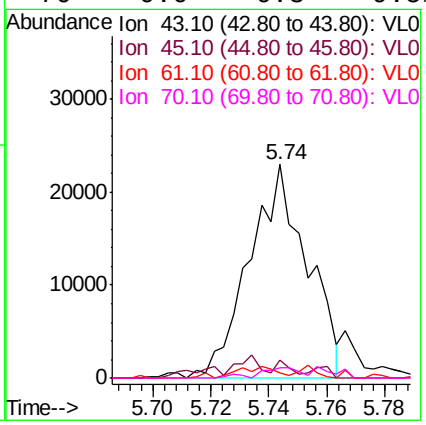


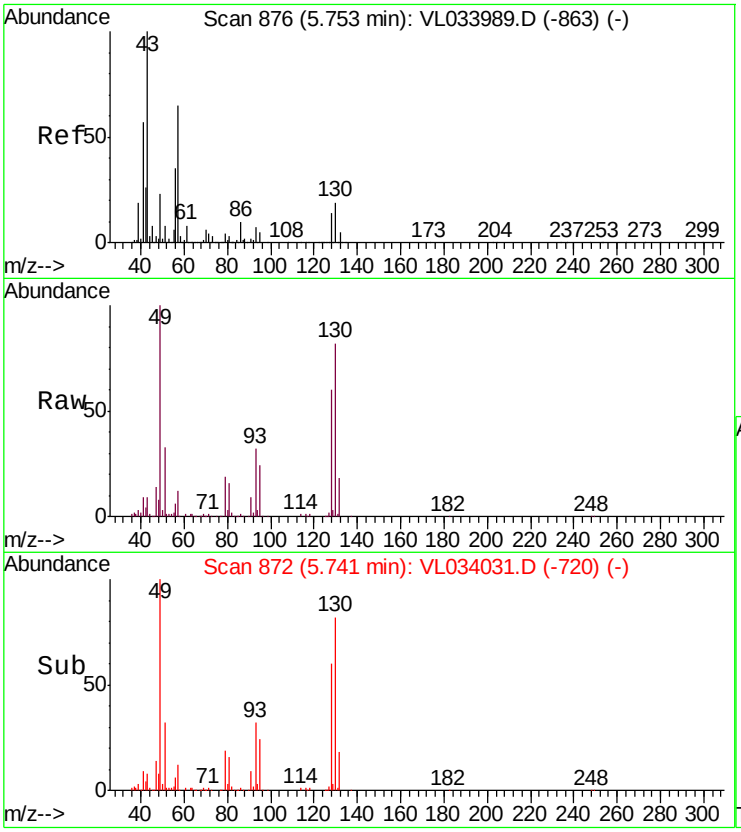


#25
Ethyl Acetate
Concen: 0.168 ppbv
RT: 5.74 min Scan# 873
Delta R.T. 0.00 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Tgt Ion: 43 Resp: 31753

Ion	Ratio	Lower	Upper
43	100		
45	11.3	8.1	12.1
61	0.0	8.1	12.1#
70	0.0	6.3	9.5#



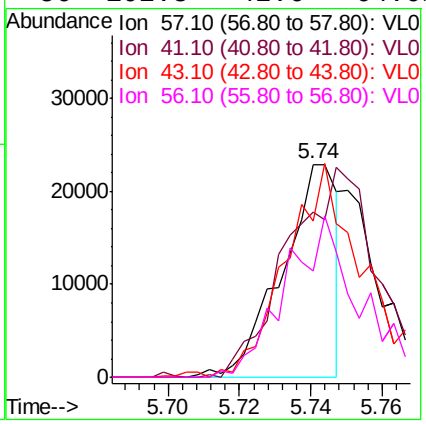


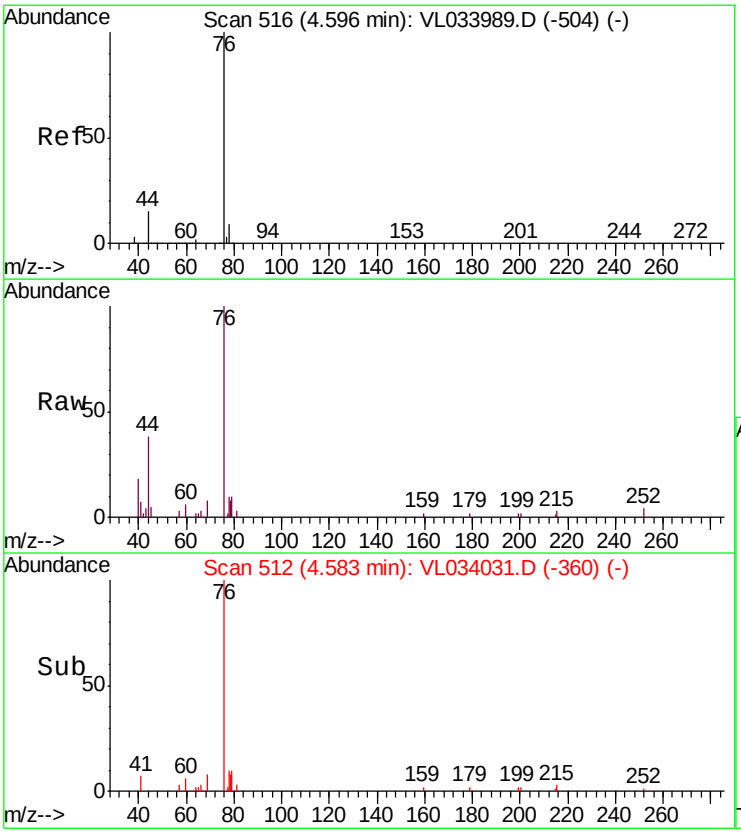
#26
Hexane
Concen: 0.282 ppbv
RT: 5.74 min Scan# 872
Delta R.T. -0.01 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Instrument : MSVOA_L
ClientSampleId : SVS-2RE

Tgt Ion: 57 Resp: 24399

Ion	Ratio	Lower	Upper
57	100		
41	163.0	70.6	105.8#
43	144.1	177.6	266.4#
56	102.8	42.6	64.0#

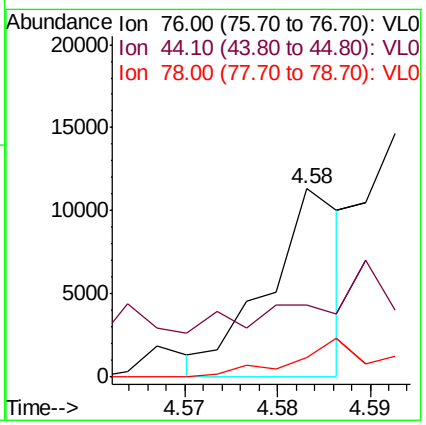


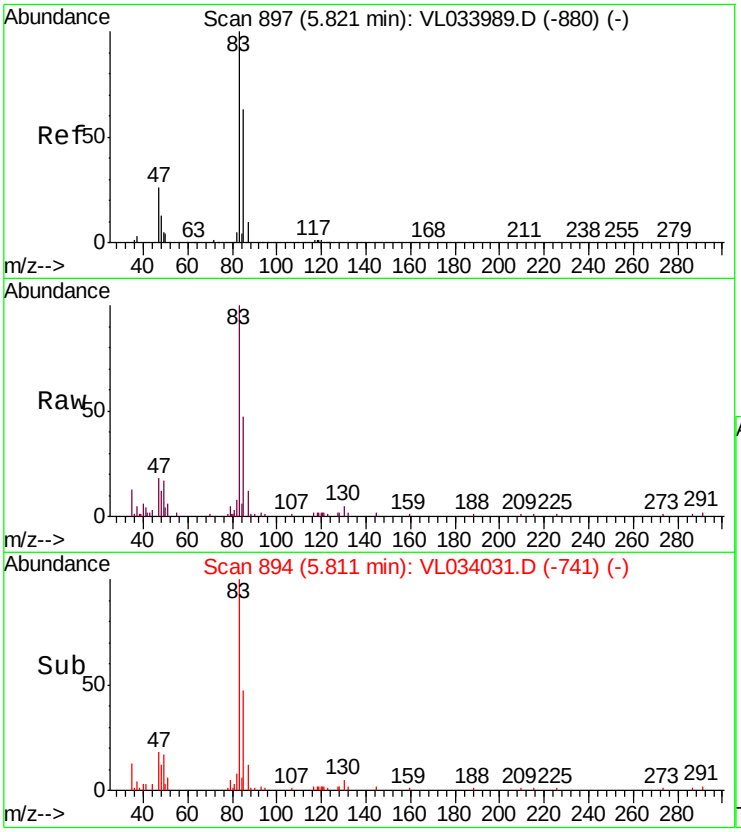


#27
Carbon Disulfide
Concen: 0.043 ppbv
RT: 4.58 min Scan# 512
Delta R.T. -0.01 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Tgt Ion: 76 Resp: 6302

Ion	Ratio	Lower	Upper
76	100		
44	0.0	12.6	18.8#
78	49.1	7.2	10.8#



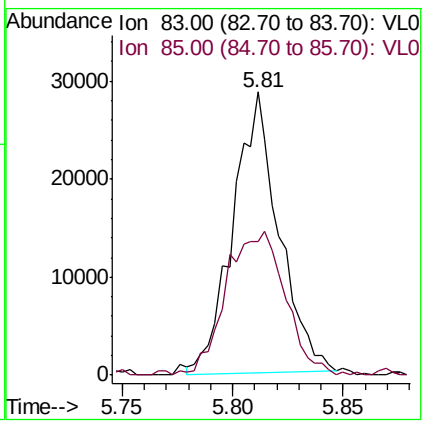


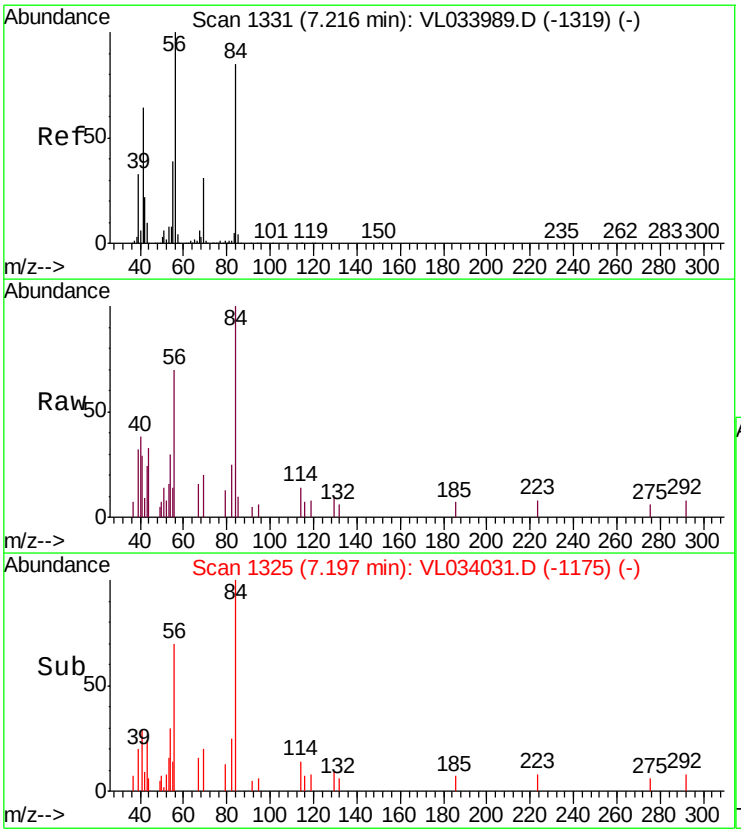
#29
Chloroform
Concen: 0.257 ppbv
RT: 5.81 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Instrument : MSVOA_L
ClientSampleId : SVS-2RE

Tgt Ion: 83 Resp: 41665

Ion	Ratio	Lower	Upper
83	100		
85	47.8	50.6	75.8#

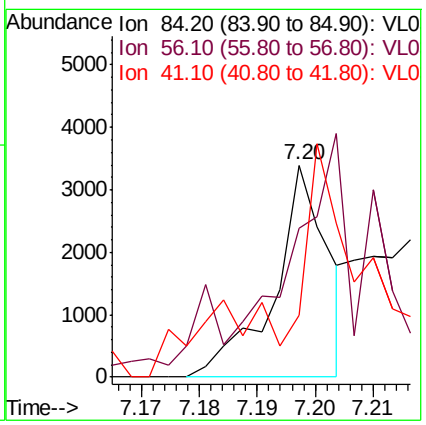


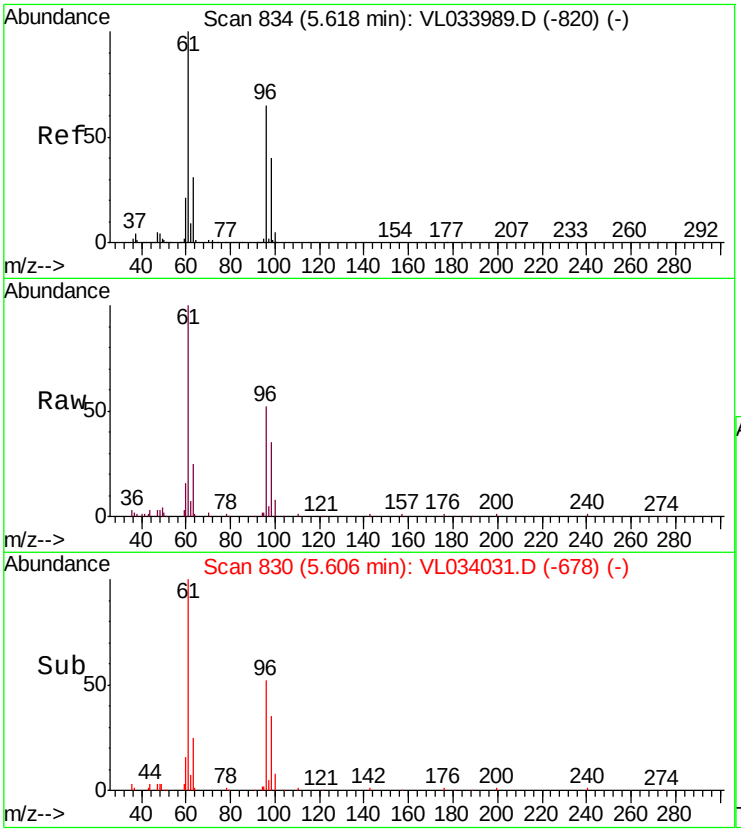


#30
Cyclohexane
Concen: 0.032 ppbv
RT: 7.20 min Scan# 1325
Delta R.T. -0.02 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Tgt Ion: 84 Resp: 2157

Ion	Ratio	Lower	Upper
84	100		
56	0.0	103.7	155.5#
41	298.4	62.6	94.0#



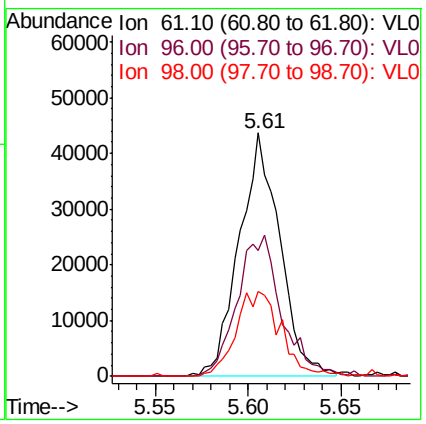


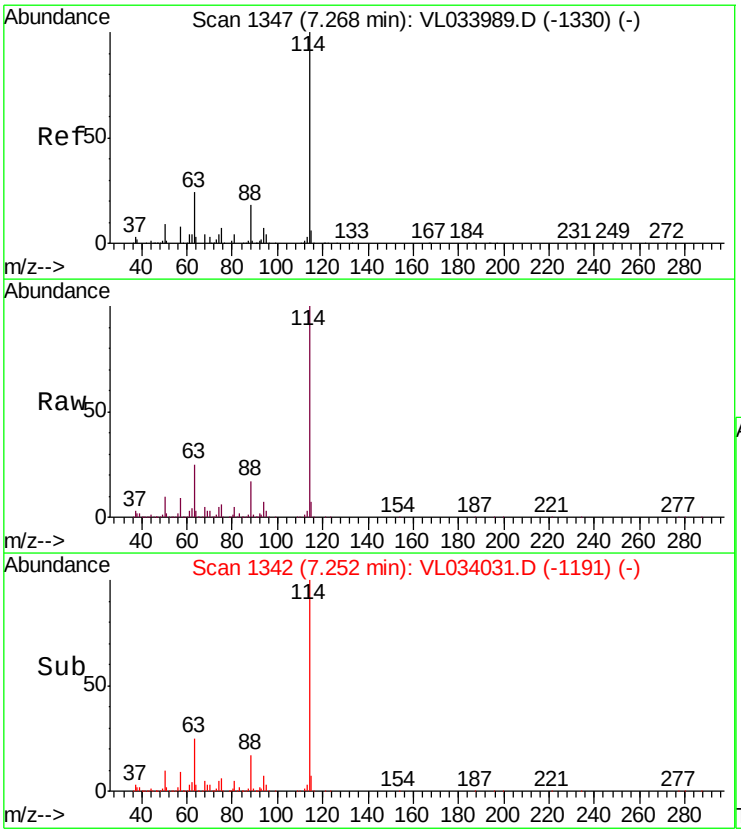
#31
cis-1,2-Dichloroethene
Concen: 0.798 ppbv
RT: 5.61 min Scan# 830
Delta R.T. -0.01 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Instrument :
MSVOA_L
ClientSampleId :
SVS-2RE

Tgt Ion: 61 Resp: 66627

Ion	Ratio	Lower	Upper
61	100		
96	51.8	51.8	77.6
98	34.9	32.1	48.1

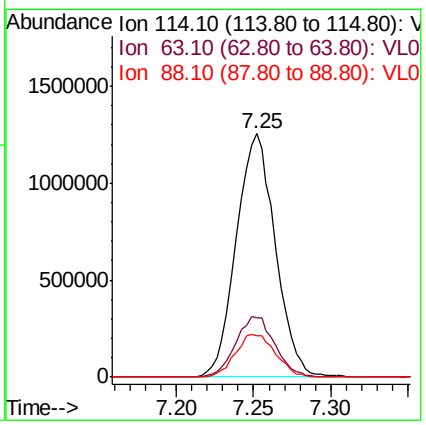


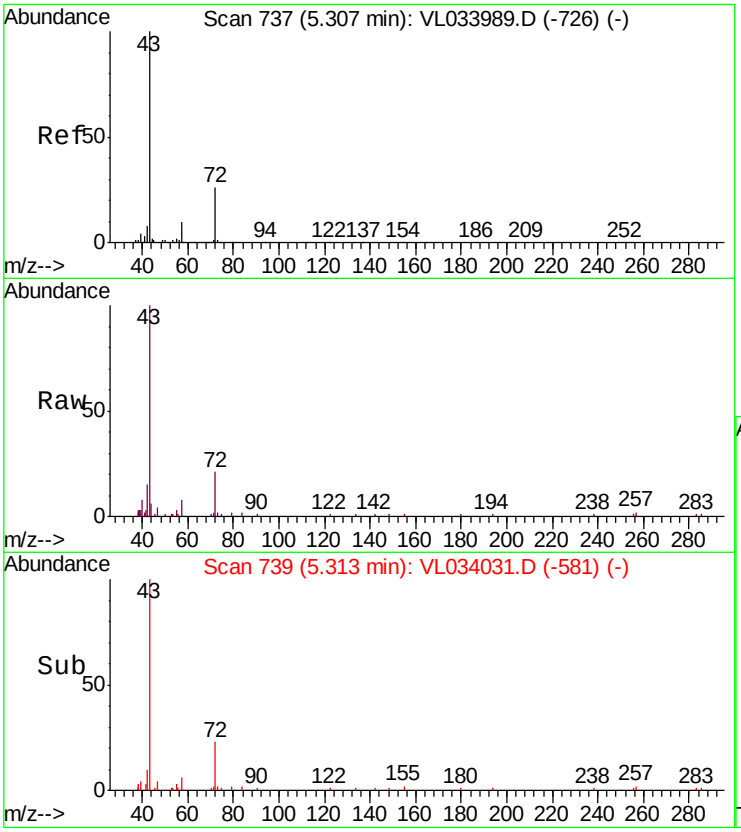


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.02 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Tgt Ion:114 Resp: 2205897

Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.2	30.2
88	18.1	14.1	21.1



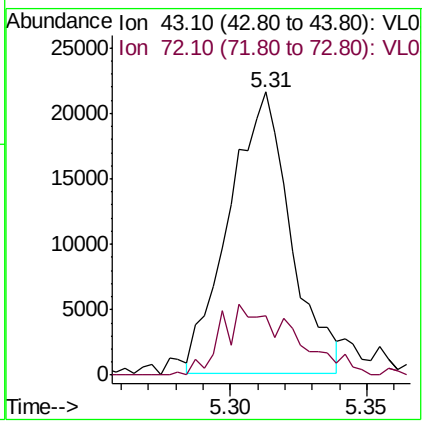


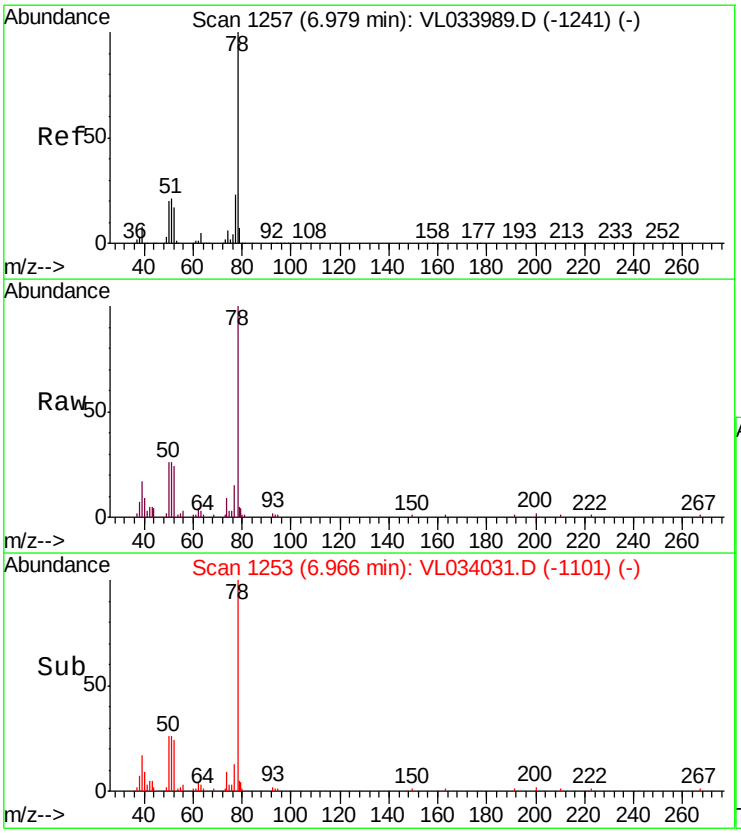
#34
2-Butanone
Concen: 0.289 ppbv
RT: 5.31 min Scan# 739
Delta R.T. 0.01 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Instrument :
MSVOA_L
ClientSampleId :
SVS-2RE

Tgt Ion: 43 Resp: 33756

Ion	Ratio	Lower	Upper
43	100		
72	29.9	19.9	29.9#

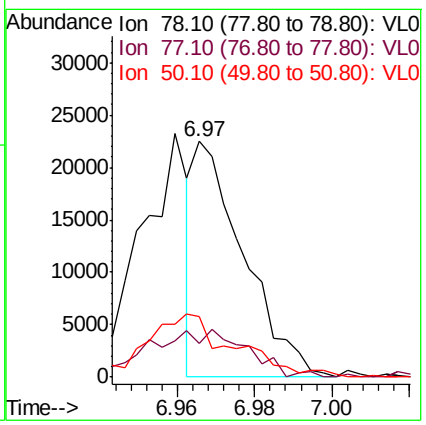


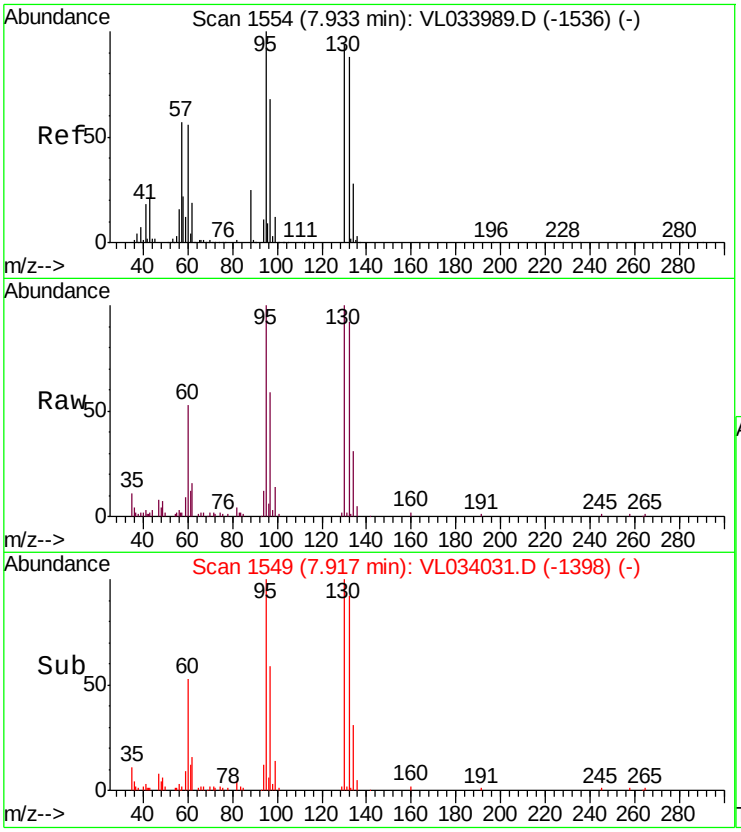


#36
Benzene
Concen: 0.115 ppbv
RT: 6.97 min Scan# 1253
Delta R.T. -0.01 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Tgt Ion: 78 Resp: 19931

Ion	Ratio	Lower	Upper
78	100		
77	13.8	18.7	28.1#
50	23.6	16.2	24.2



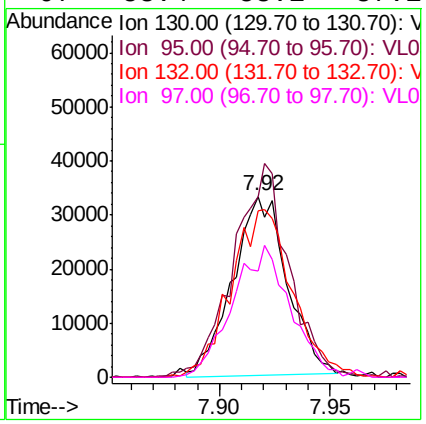


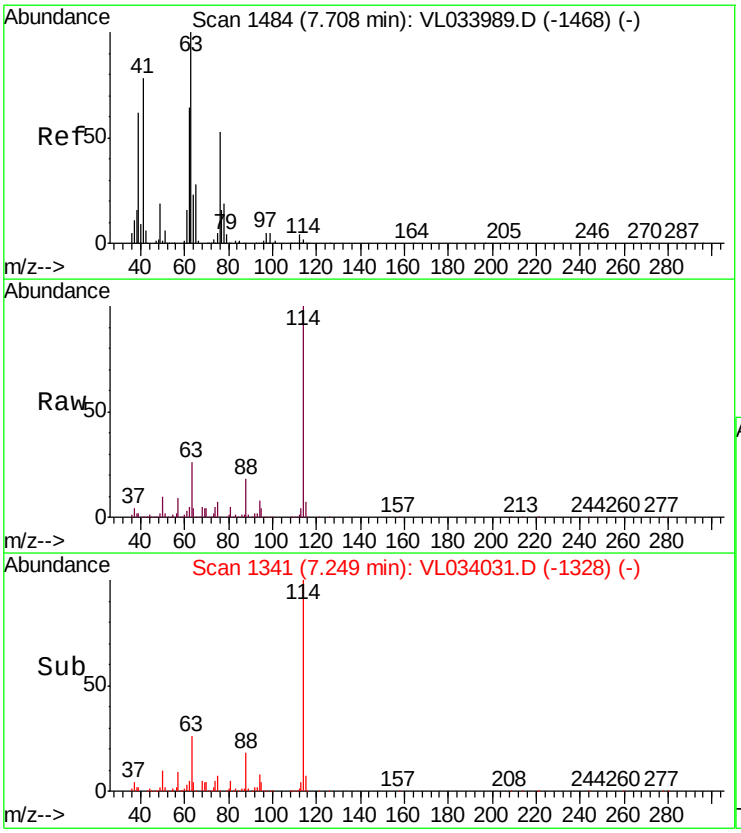
#38
Trichloroethene
Concen: 0.739 ppbv
RT: 7.92 min Scan# 1549
Delta R.T. -0.02 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Instrument : MSVOA_L
ClientSampleId : SVS-2RE

Tgt Ion:130 Resp: 56775

Ion	Ratio	Lower	Upper
130	100		
95	98.5	85.5	128.3
132	91.0	75.1	112.7
97	58.4	58.1	87.1

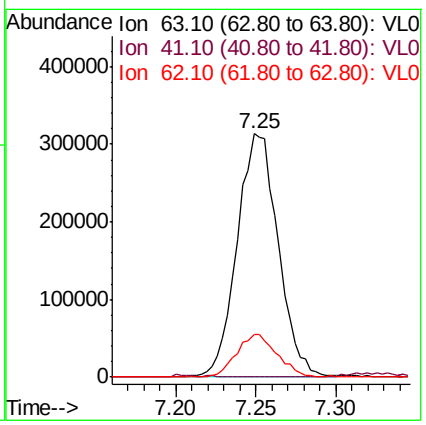


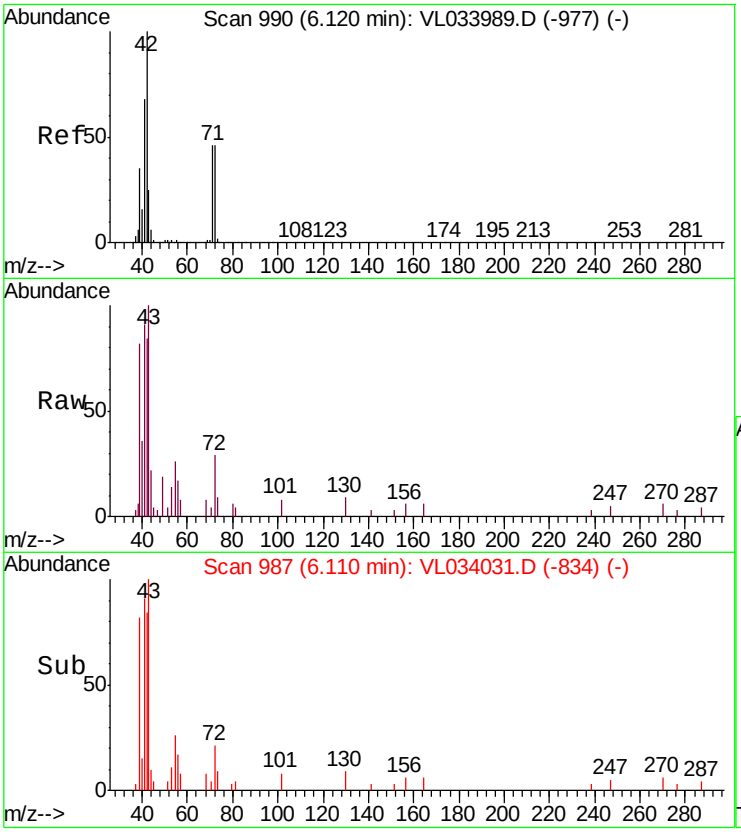


#39
1,2-Dichloropropane
Concen: 8.541 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.46 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Tgt Ion: 63 Resp: 548176

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.3	93.5#
62	17.8	51.4	77.2#



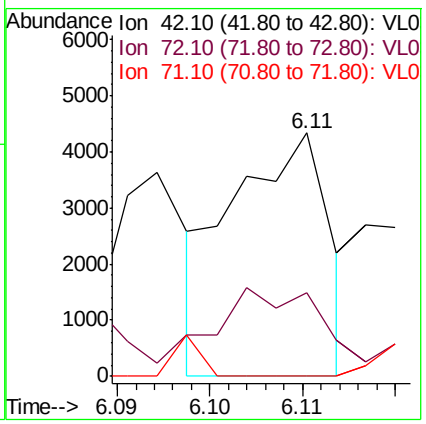


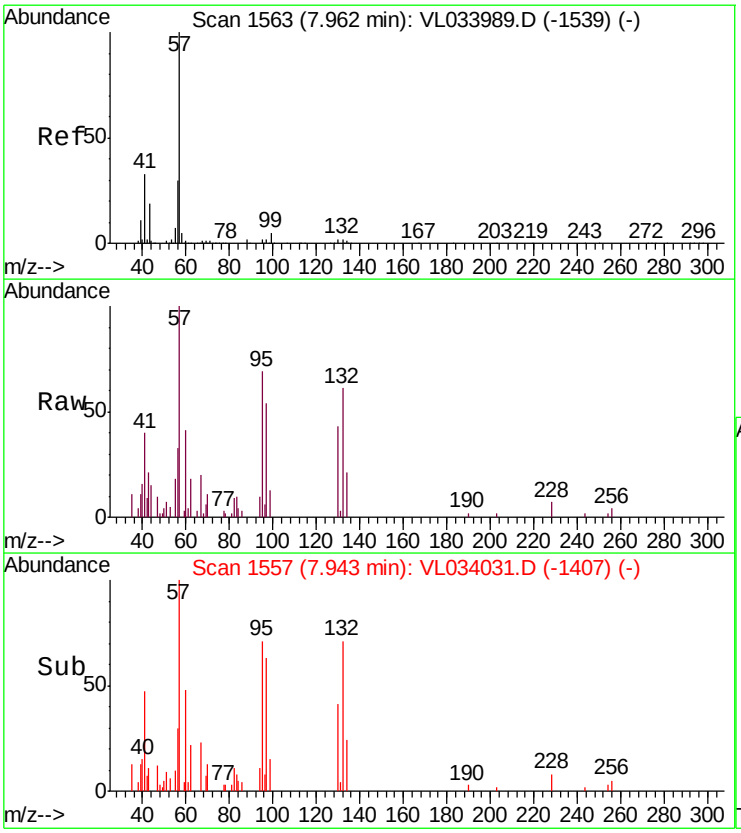
#41
Tetrahydrofuran
Concen: 0.055 ppbv
RT: 6.11 min Scan# 987
Delta R.T. -0.01 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Instrument :
MSVOA_L
ClientSampleId :
SVS-2RE

Tgt Ion: 42 Resp: 3137

Ion	Ratio	Lower	Upper
42	100		
72	72.6	37.3	55.9#
71	0.0	36.2	54.2#

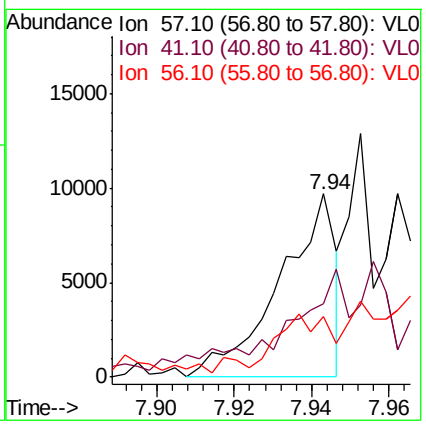


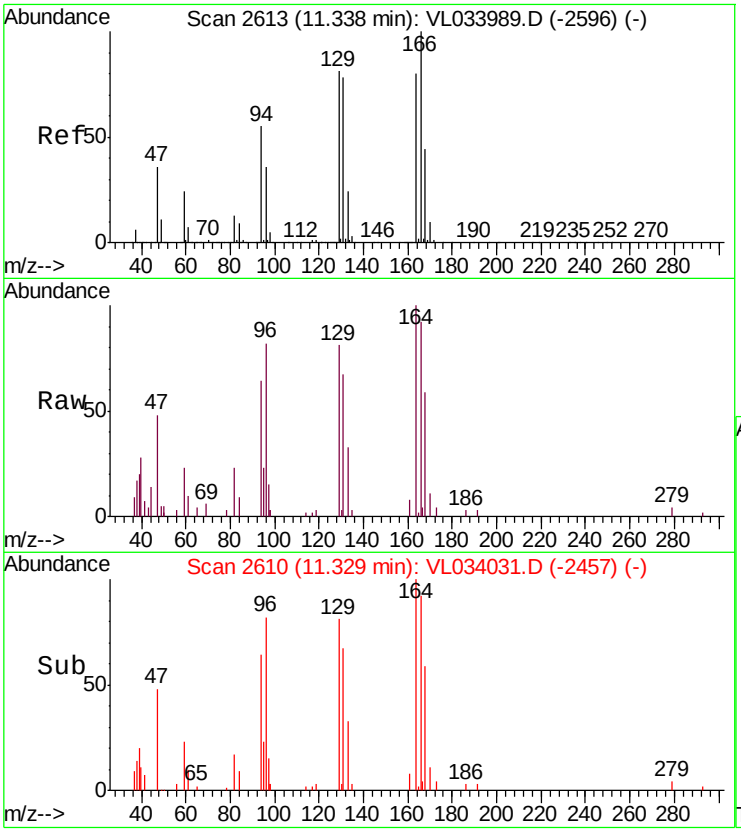


#44
2,2,4-Trimethylpentane
Concen: 0.033 ppbv
RT: 7.94 min Scan# 1557
Delta R.T. -0.02 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Tgt Ion: 57 Resp: 9710

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.1	39.1#
56	0.0	24.4	36.6#



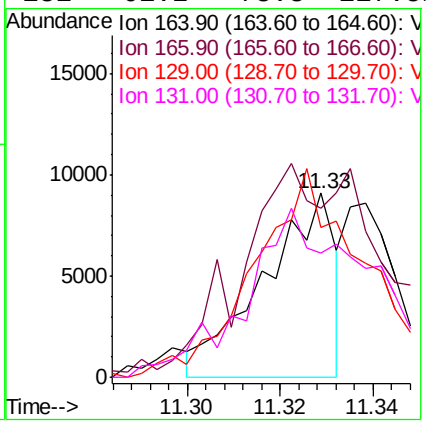


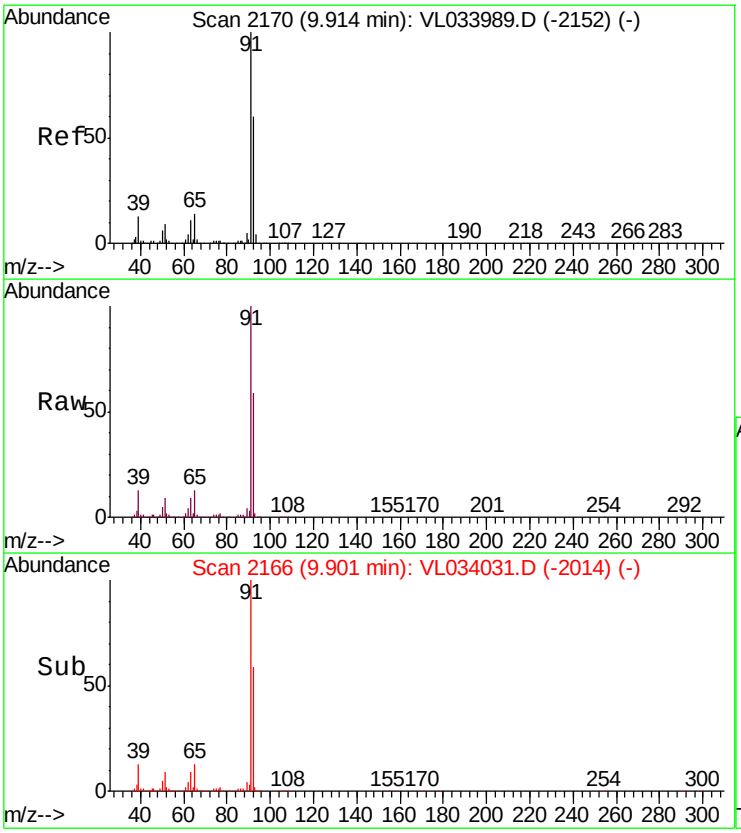
#52
Tetrachloroethene
Concen: 0.130 ppbv
RT: 11.33 min Scan# 2610
Delta R.T. -0.01 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Instrument :
MSVOA_L
ClientSampleId :
SVS-2RE

Tgt Ion:164 Resp: 9635

Ion	Ratio	Lower	Upper
164	100		
166	86.5	100.2	150.2#
129	86.0	81.0	121.6
131	61.2	78.3	117.5#

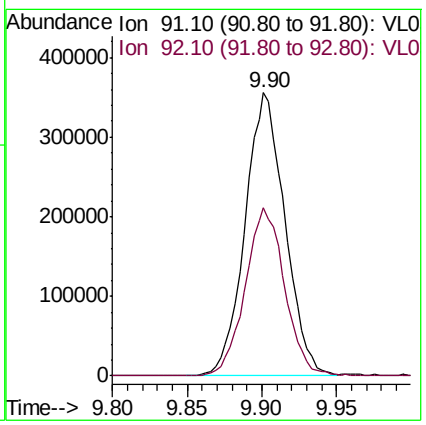


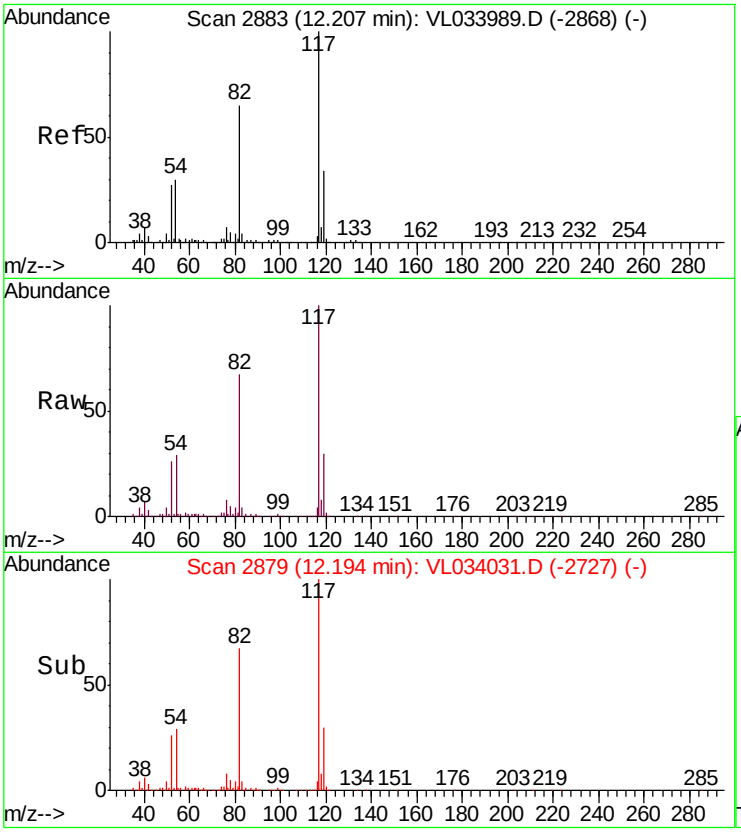


#53
Toluene
Concen: 3.342 ppbv
RT: 9.90 min Scan# 2166
Delta R.T. -0.01 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Tgt Ion: 91 Resp: 660329

Ion	Ratio	Lower	Upper
91	100		
92	59.1	47.7	71.5



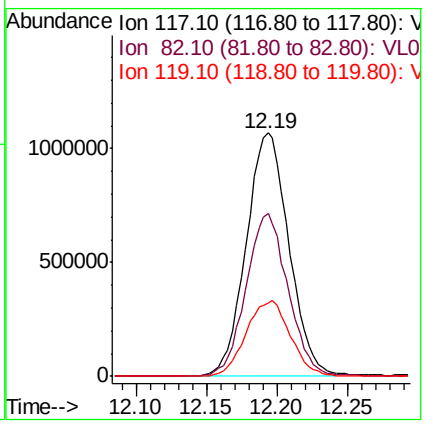


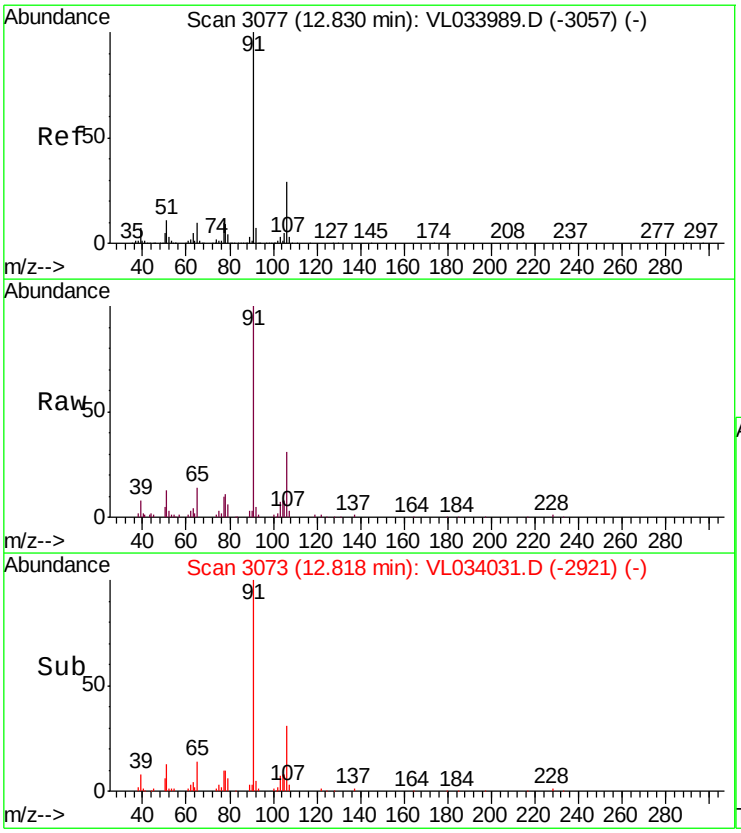
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.19 min Scan# 2879
Delta R.T. -0.01 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Instrument : MSVOA_L
ClientSampleId : SVS-2RE

Tgt Ion:117 Resp: 2259723

Ion	Ratio	Lower	Upper
117	100		
82	66.4	50.8	76.2
119	32.5	24.0	36.0

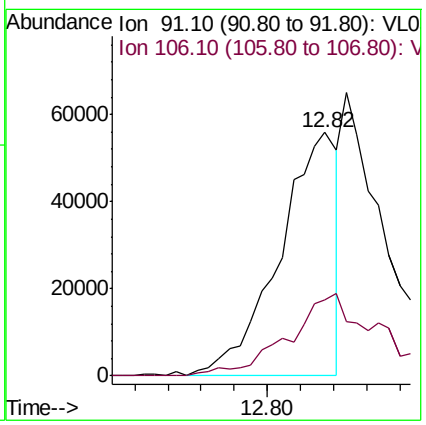


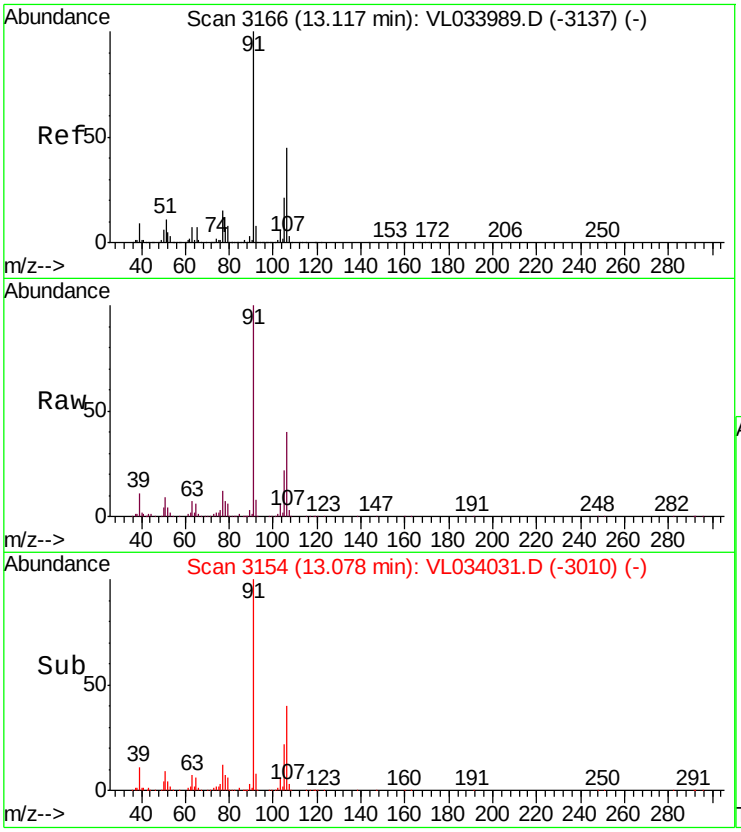


#58
Ethyl Benzene
Concen: 0.251 ppbv
RT: 12.82 min Scan# 3073
Delta R.T. -0.01 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Tgt Ion: 91 Resp: 68155

Ion	Ratio	Lower	Upper
91	100		
106	30.8	23.3	34.9



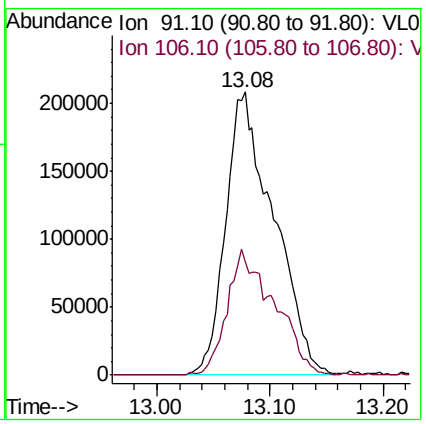


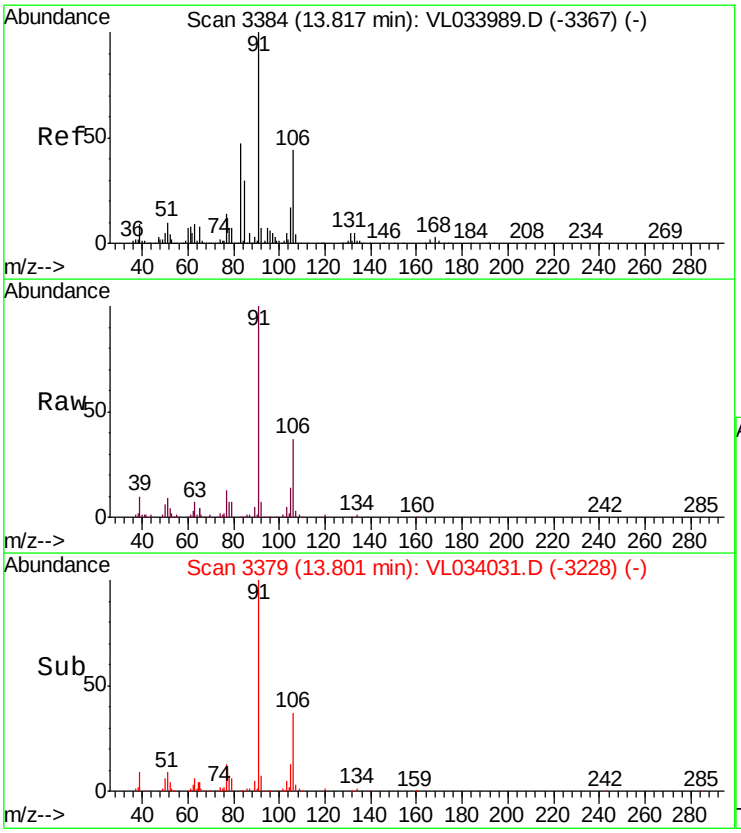
#59
m/p-Xylene
Concen: 2.483 ppbv
RT: 13.08 min Scan# 3154
Delta R.T. -0.04 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Instrument : MSVOA_L
ClientSampleId : SVS-2RE

Tgt Ion: 91 Resp: 610844

Ion	Ratio	Lower	Upper
91	100		
106	44.1	35.7	53.5

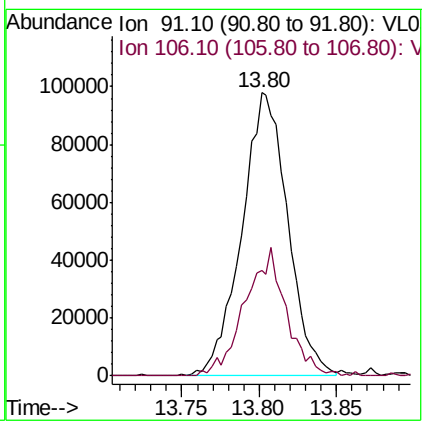


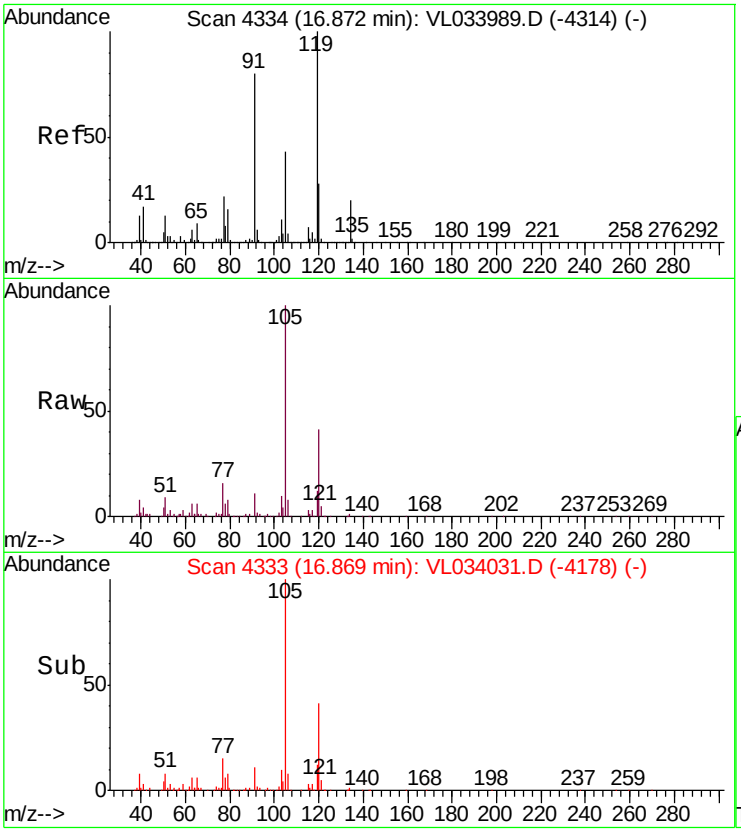


#60
o-Xylene
Concen: 0.814 ppbv
RT: 13.80 min Scan# 3379
Delta R.T. -0.02 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Tgt Ion: 91 Resp: 200416

Ion	Ratio	Lower	Upper
91	100		
106	40.9	21.9	65.7



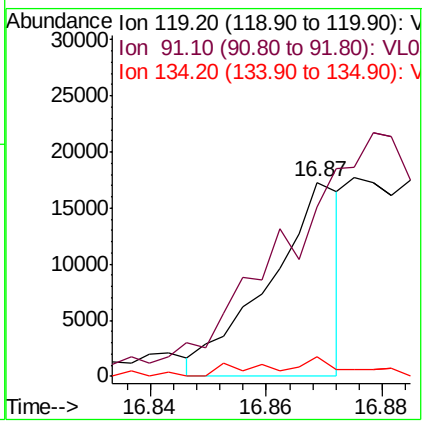


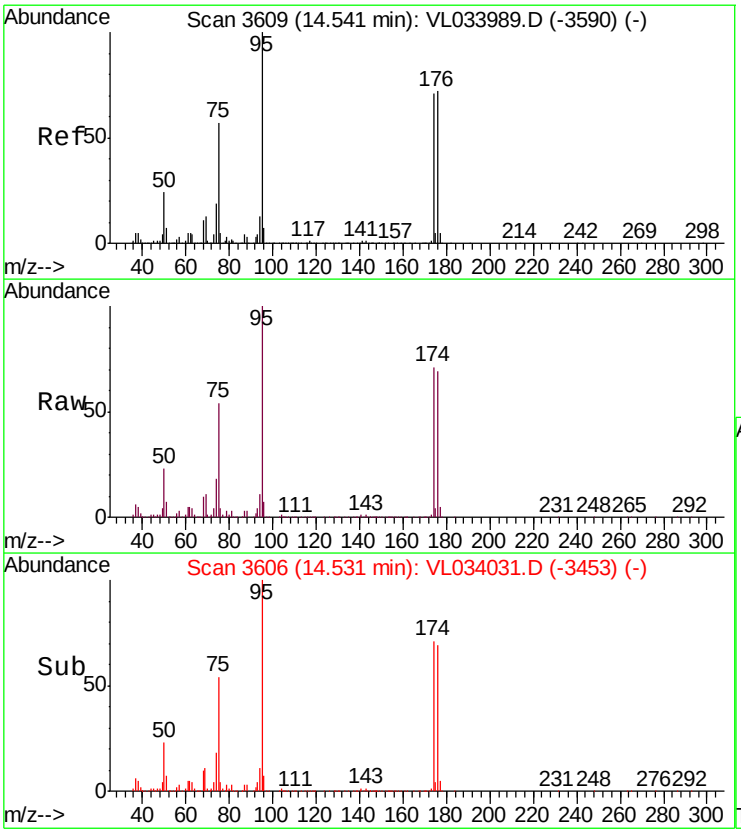
#65
tert-Butylbenzene
Concen: 0.046 ppbv
RT: 16.87 min Scan# 4333
Delta R.T. -0.00 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Instrument : MSVOA_L
ClientSampleId : SVS-2RE

Tgt Ion:119 Resp: 14728

Ion	Ratio	Lower	Upper
119	100		
91	0.0	67.0	100.6#
134	11.0	15.8	23.6#

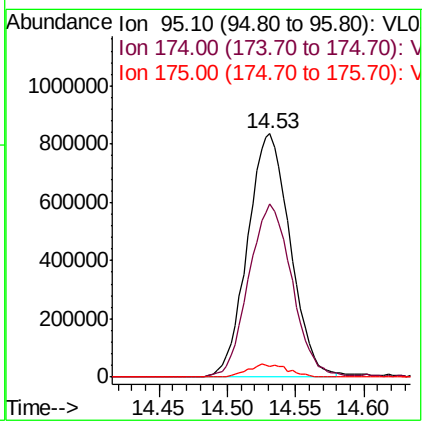


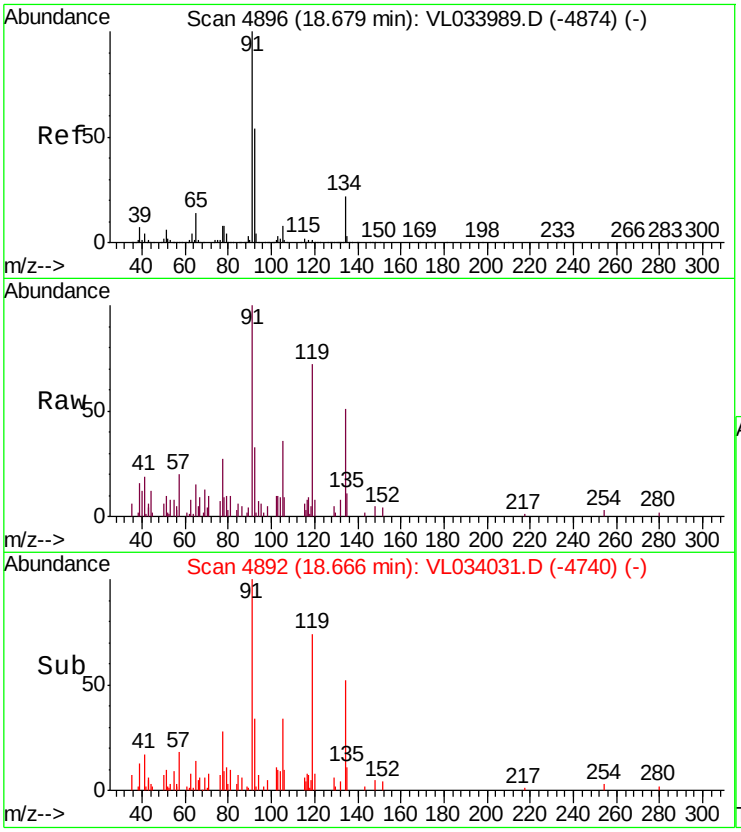


#68
1-Bromo-4-Fluorobenzene
Concen: 9.421 ppbv
RT: 14.53 min Scan# 3606
Delta R.T. -0.01 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Tgt Ion: 95 Resp: 1815623

Ion	Ratio	Lower	Upper
95	100		
174	73.2	60.5	90.7
175	5.2	4.0	6.0



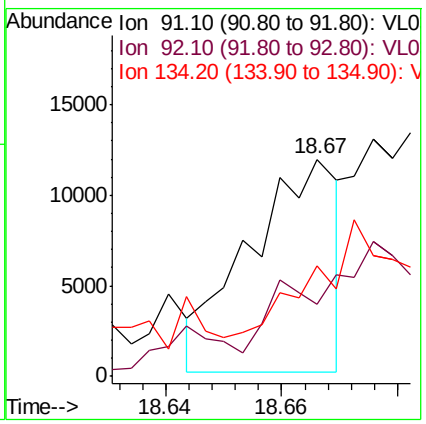


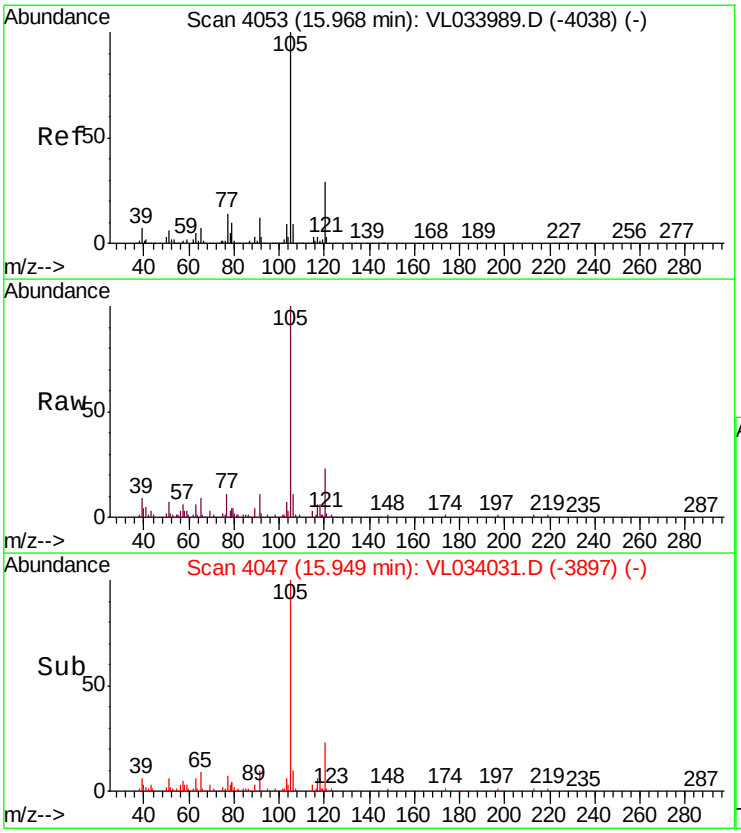
#70
n-Butylbenzene
Concen: 0.032 ppbv
RT: 18.67 min Scan# 4892
Delta R.T. -0.01 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Instrument :
MSVOA_L
ClientSampleId :
SVS-2RE

Tgt Ion: 91 Resp: 12526

Ion	Ratio	Lower	Upper
91	100		
92	0.0	42.0	63.0#
134	0.0	17.9	26.9#

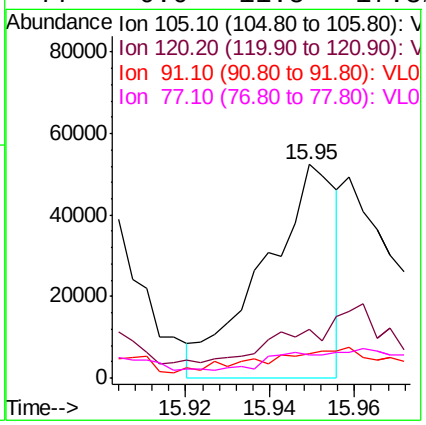


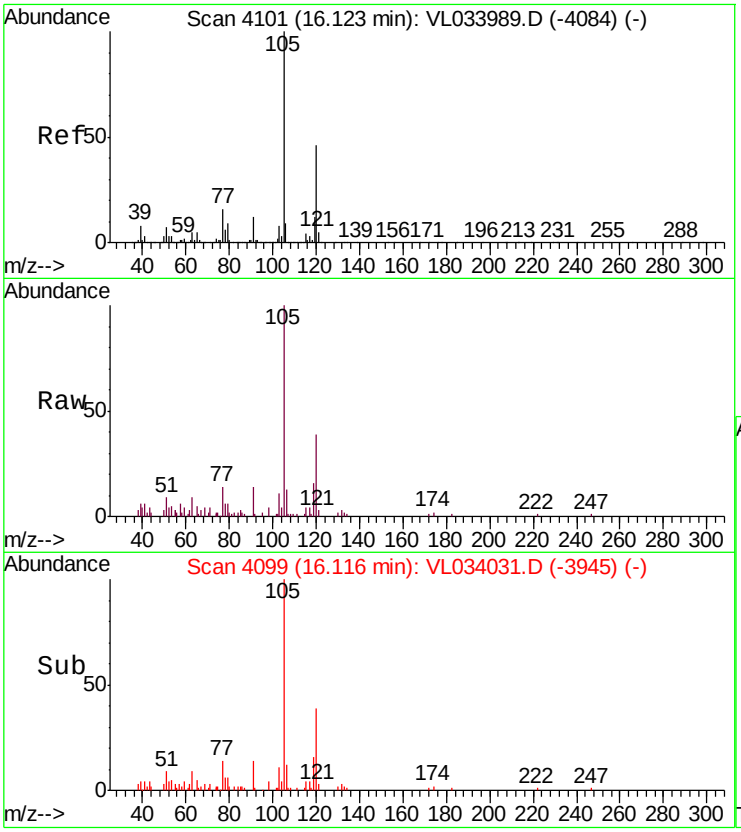


#72
4-Ethyltoluene
Concen: 0.198 ppbv
RT: 15.95 min Scan# 4047
Delta R.T. -0.02 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Tgt Ion:105 Resp: 62450

Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.1	36.1#
91	0.0	10.6	16.0#
77	0.0	11.5	17.3#



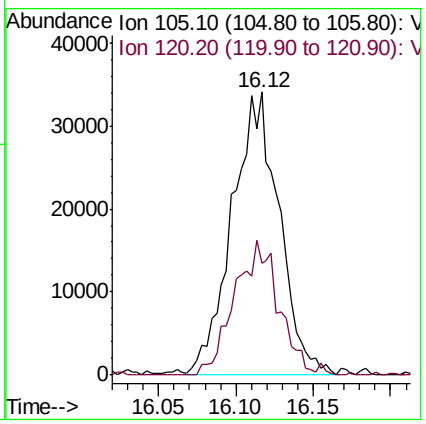


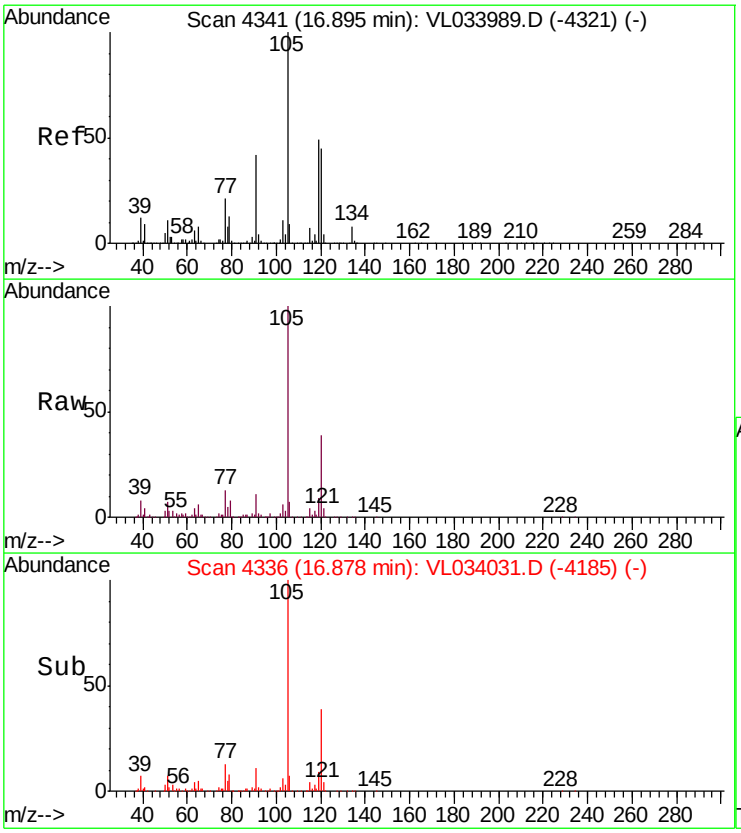
#73
1,3,5-Trimethylbenzene
Concen: 0.244 ppbv
RT: 16.12 min Scan# 4099
Delta R.T. -0.01 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Instrument :
MSVOA_L
ClientSampleId :
SVS-2RE

Tgt Ion:105 Resp: 71904

Ion	Ratio	Lower	Upper
105	100		
120	39.5	36.4	54.6

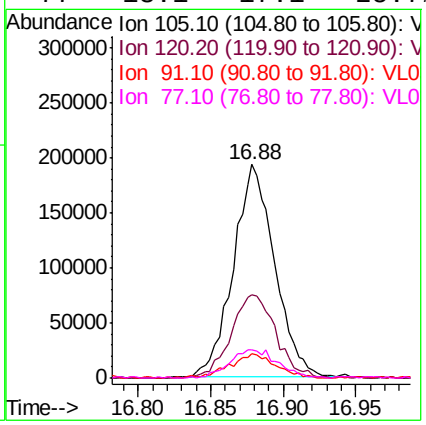


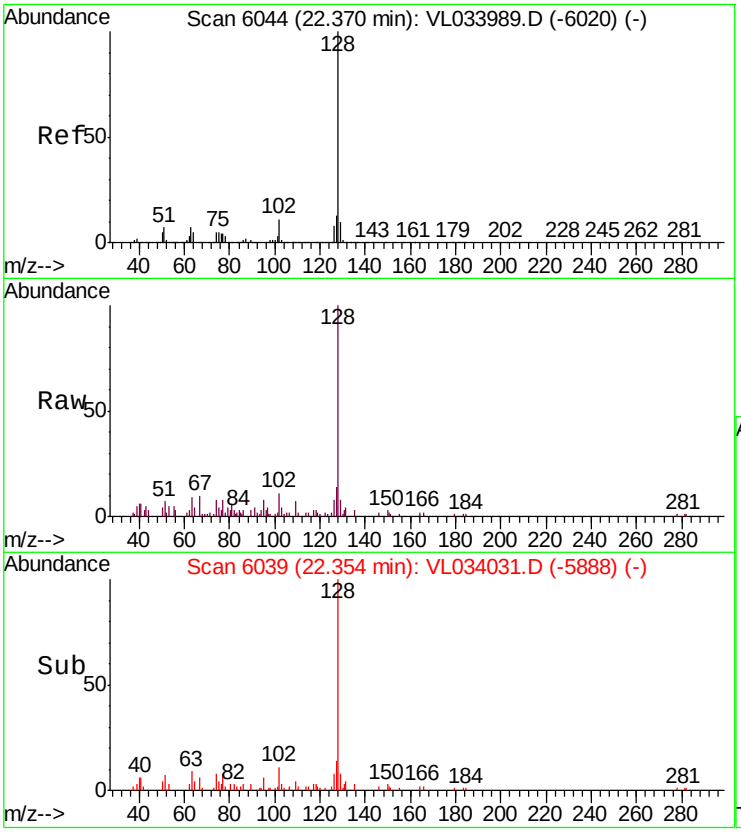


#74
1,2,4-Trimethylbenzene
Concen: 1.161 ppbv
RT: 16.88 min Scan# 4336
Delta R.T. -0.02 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Tgt Ion:105 Resp: 378283

Ion	Ratio	Lower	Upper
105	100		
120	38.7	36.2	54.2
91	11.2	34.3	51.5#
77	13.1	17.1	25.7#



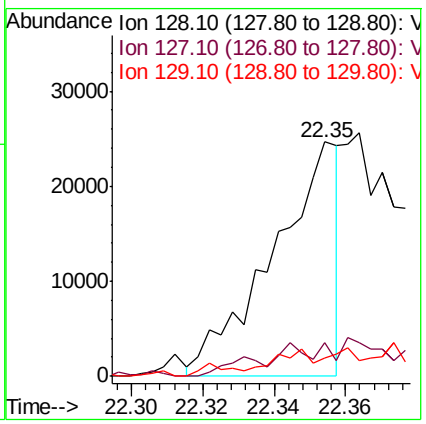


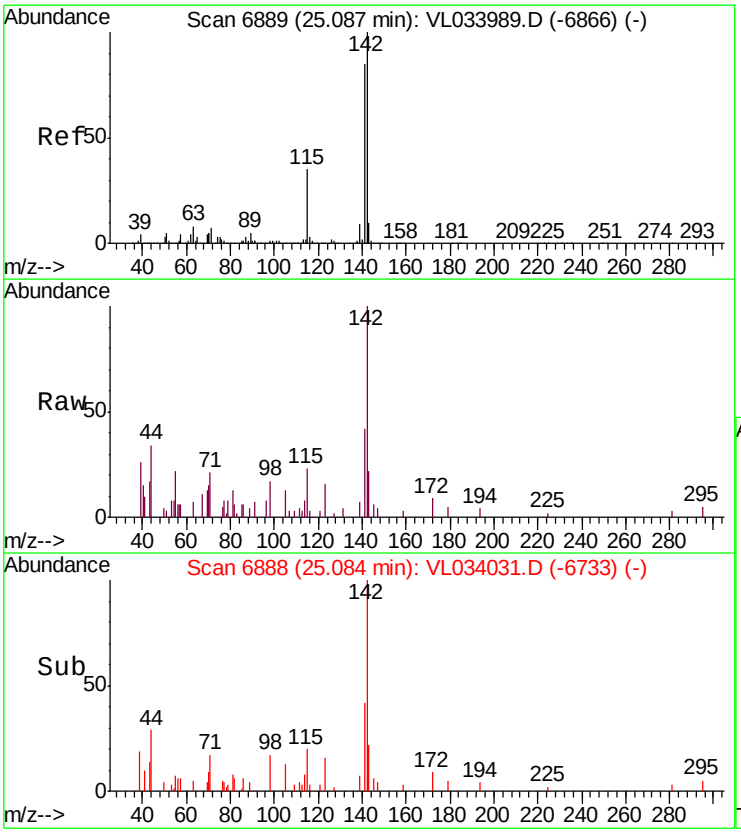
#79
Naphthalene
Concen: 0.115 ppbv
RT: 22.35 min Scan# 6039
Delta R.T. -0.02 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Instrument :
MSVOA_L
ClientSampleId :
SVS-2RE

Tgt Ion:128 Resp: 31371

Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.6	15.8
129	8.3	8.3	12.5#





#80
Naphthalene,2-methyl-
Concen: 0.138 ppbv
RT: 25.08 min Scan# 6888
Delta R.T. -0.00 min
Lab File: VL034031.D
Acq: 12 Jul 2019 00:09

Tgt Ion:142 Resp: 13784

Ion	Ratio	Lower	Upper
142	100		
141	82.8	68.2	102.2
115	61.0	29.9	44.9#