Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
Data File : VL034468.D
Acq On : 9 Dec 2019 17:27
Operator : SY/AP
Sample : K6195-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : NS-1

Quant Time: Dec 10 03:40:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	858337	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	7.20	114	1720954	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.13	117	1811392	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.47	95	1510354	9.91	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.02	85	19268	0.124	ppbv		96
3) Chlorodifluoromethane	2.96	51	31259	0.292	ppbv		93
4) Chloromethane	3.11	50	23300	0.369	ppbv	#	84
6) Bromomethane	3.46	94	916	0.031	ppbv	#	71
9) Propene	3.00	41	7521	0.158	ppbv	#	1
10) Heptane	8.14	43	6266	0.051	ppbv	#	27
11) Trichlorofluoromethane	3.93	101	42375	0.274	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	5026	0.049	ppbv	#	48
13) Ethanol	3.59	45	1207125	91.142	ppbv		96
15) Acetone	3.83	43	573638	4.667	ppbv		100
16) 1,3-Butadiene	3.28	39	11229	0.210	ppbv	#	45
19) Isopropyl Alcohol	3.96	45	737880	9.366	ppbv		99
20) Methylene Chloride	4.33	84	21941	0.503	ppbv		98
23) Vinyl Acetate	5.06	43	27411	0.171	ppbv	#	76
25) Ethyl Acetate	5.69	43	60527	0.276	ppbv	#	88
26) Hexane	5.69	57	65255	0.692	ppbv	#	45
27) Carbon Disulfide	4.55	76	26588	0.259	ppbv	#	67
30) Cyclohexane	7.15	84	3144	0.044	ppbv	#	1
34) 2-Butanone	5.25	43	65193	0.460	ppbv		96
35) Carbon Tetrachloride	7.04	117	8530	0.058	ppbv		88
36) Benzene	6.91	78	50168	0.292	ppbv	#	84
38) Trichloroethene	7.86	130	14678	0.208	ppbv	#	89
39) 1,2-Dichloropropane	7.20	63	516185	7.788	ppbv	#	24
44) 2,2,4-Trimethylpentane	7.89	57	95712	0.304	ppbv	#	79
50) 4-Methyl-2-Pentanone	8.77	43	25821	0.126	ppbv	#	40
51) 2-Hexanone	10.15	43	6629	0.039	ppbv	#	39
53) Toluene	9.84	91	93595	0.479	ppbv	#	71
58) Ethyl Benzene	12.76	91	77043	0.274	ppbv		95
59) m/p-Xylene	13.01	91	266290	1.096	ppbv		96
72) 4-Ethyltoluene	15.89	105	46437	0.167	ppbv	#	65
73) 1,3,5-Trimethylbenzene	16.05	105	32690	0.120	ppbv	#	76
74) 1,2,4-Trimethylbenzene	16.82	105	179350	0.621	ppbv	#	64
80) Naphthalene,2-methyl-	25.04	142	4324	0.038	ppbv	#	76

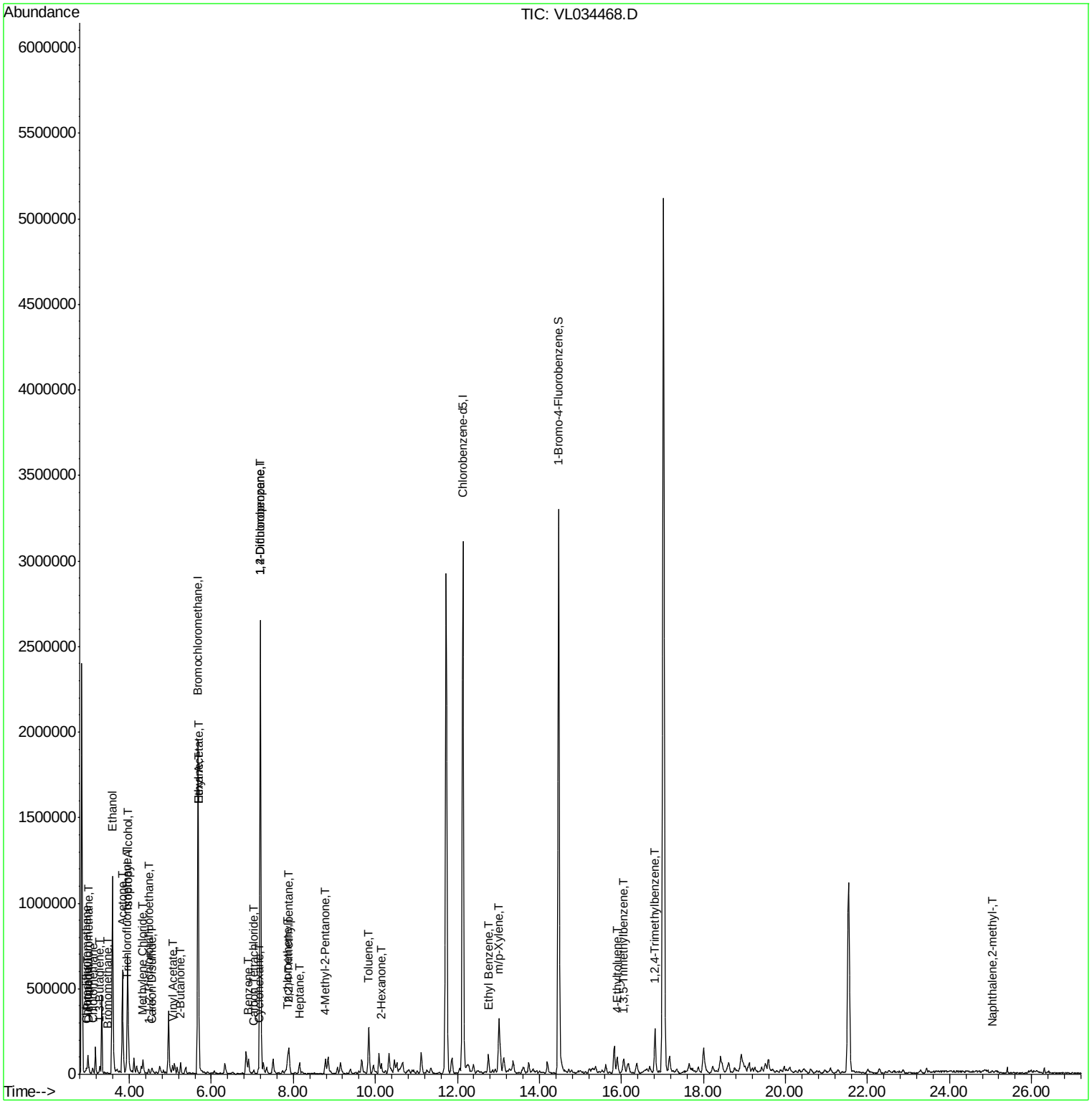
(#) = qualifier out of range (m) = manual integration (+) = signals summed

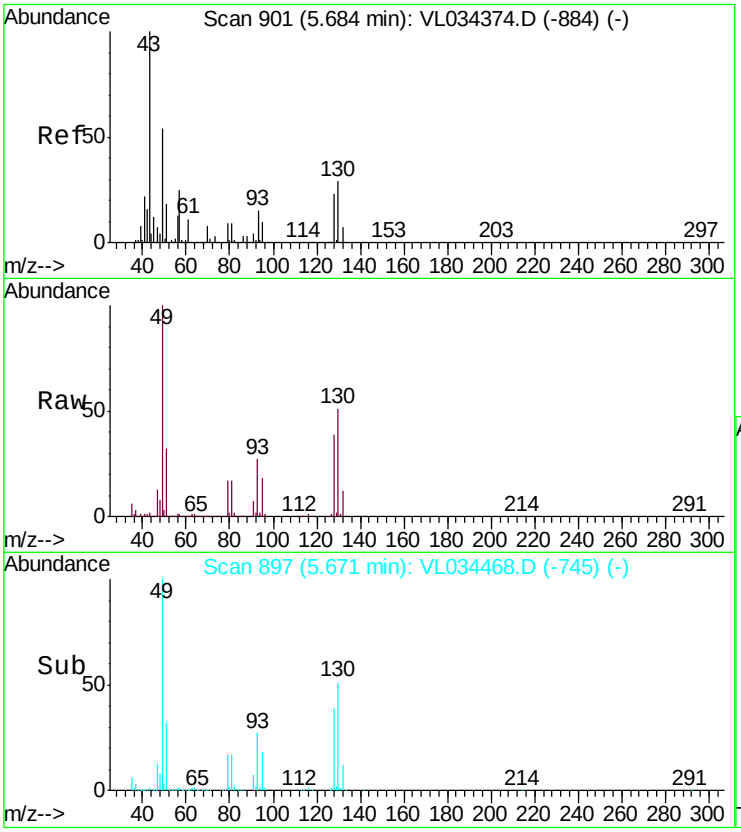
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120919\
Data File : VL034468.D
Acq On : 9 Dec 2019 17:27
Operator : SY/AP
Sample : K6195-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : NS-1

Quant Time: Dec 10 03:40:08 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration



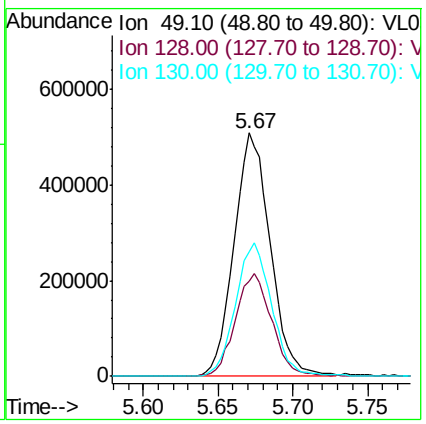


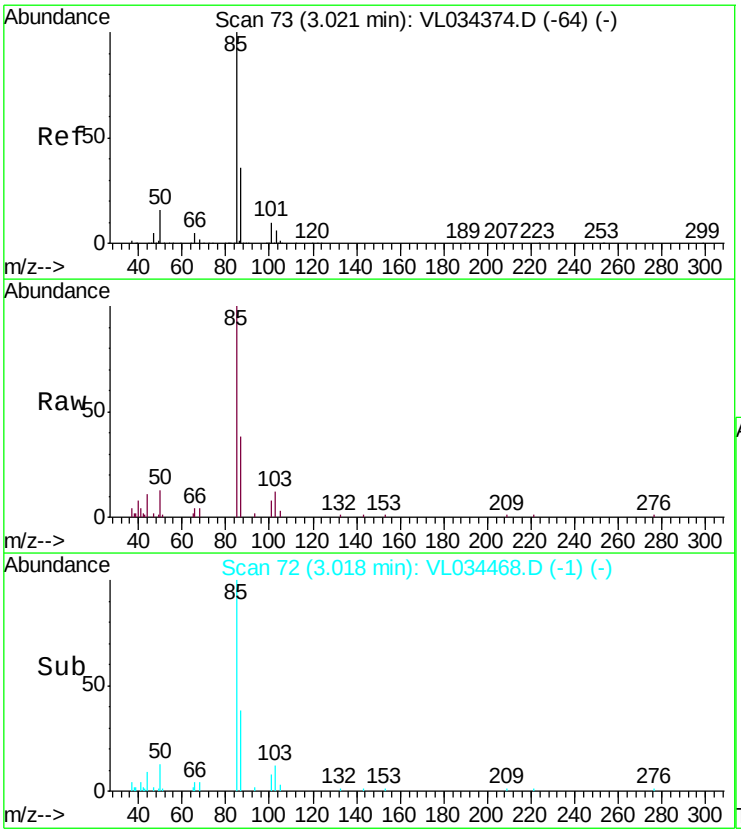
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Instrument :
MSVOA_L
ClientSampleId :
NS-1

Tgt Ion: 49 Resp: 858337

Ion	Ratio	Lower	Upper
49	100		
128	43.0	21.8	65.3
130	55.0	28.0	84.0

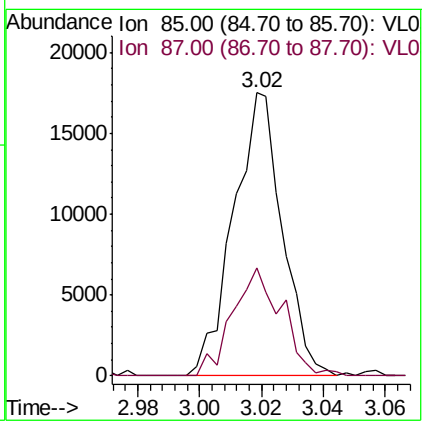


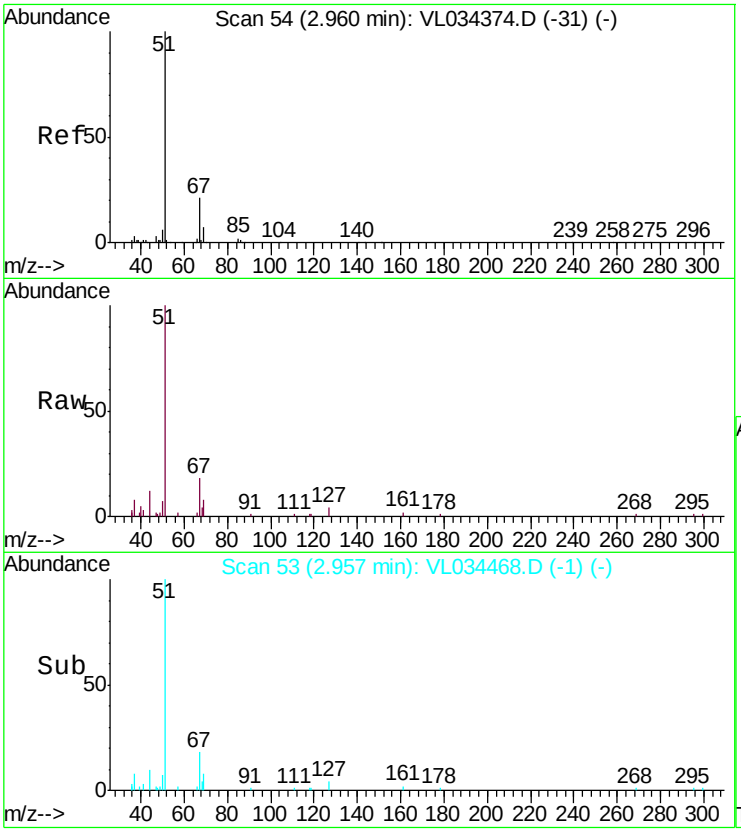


#2
Dichlorodifluoromethane
Concen: 0.124 ppbv
RT: 3.02 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Tgt Ion: 85 Resp: 19268

Ion	Ratio	Lower	Upper
85	100		
87	38.2	28.5	42.7



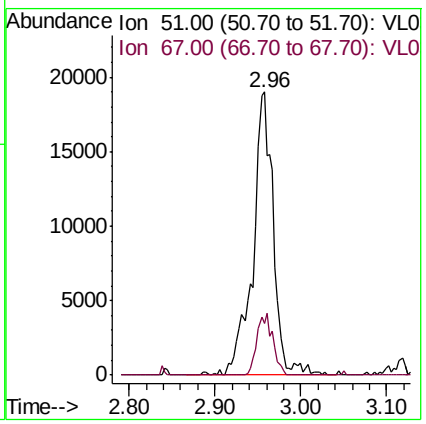


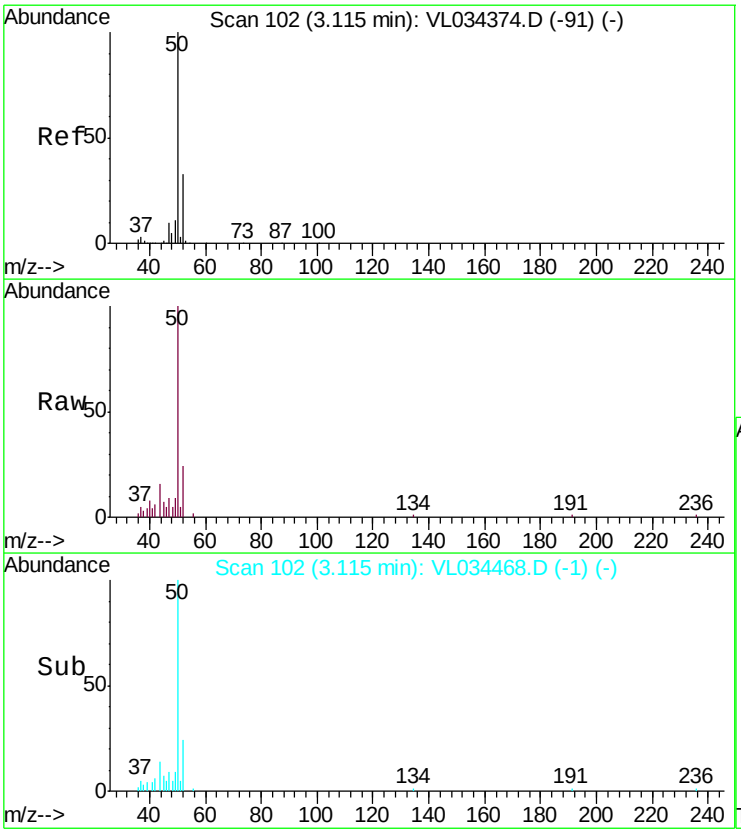
#3
Chlorodifluoromethane
Concen: 0.292 ppbv
RT: 2.96 min Scan# 53
Delta R.T. -0.00 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Instrument :
MSVOA_L
ClientSampleId :
NS-1

Tgt Ion: 51 Resp: 31259

Ion	Ratio	Lower	Upper
51	100		
67	17.0	16.2	24.2

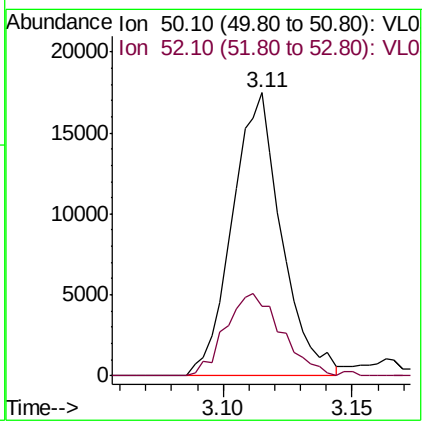


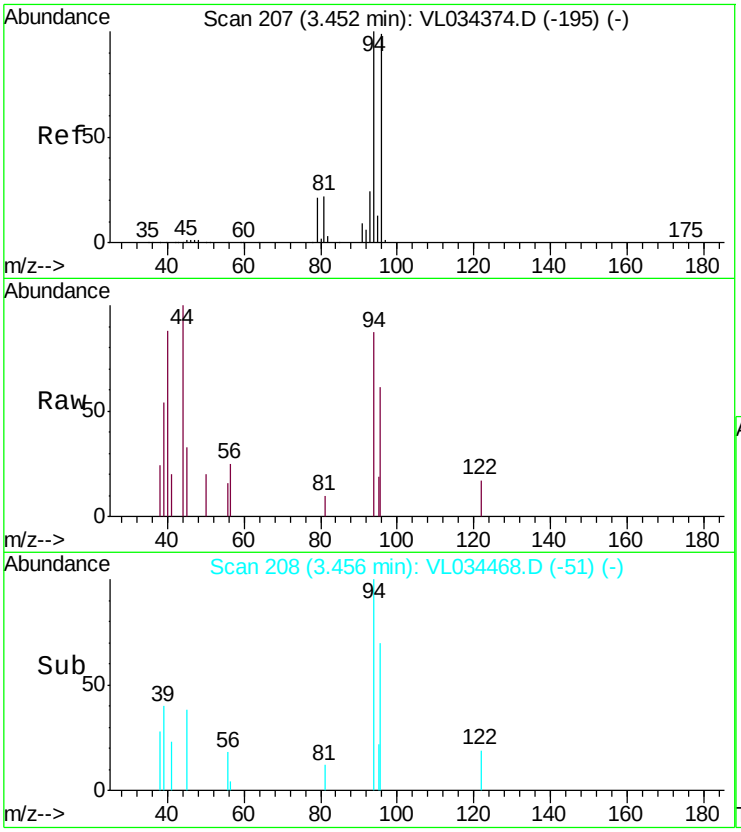


#4
Chloromethane
Concen: 0.369 ppbv
RT: 3.11 min Scan# 102
Delta R.T. 0.00 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Tgt Ion: 50 Resp: 23300

Ion	Ratio	Lower	Upper
50	100		
52	24.4	26.8	40.2#



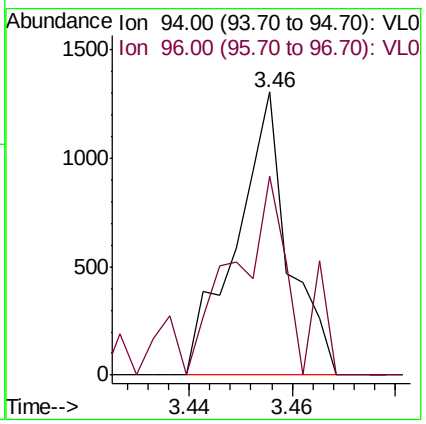


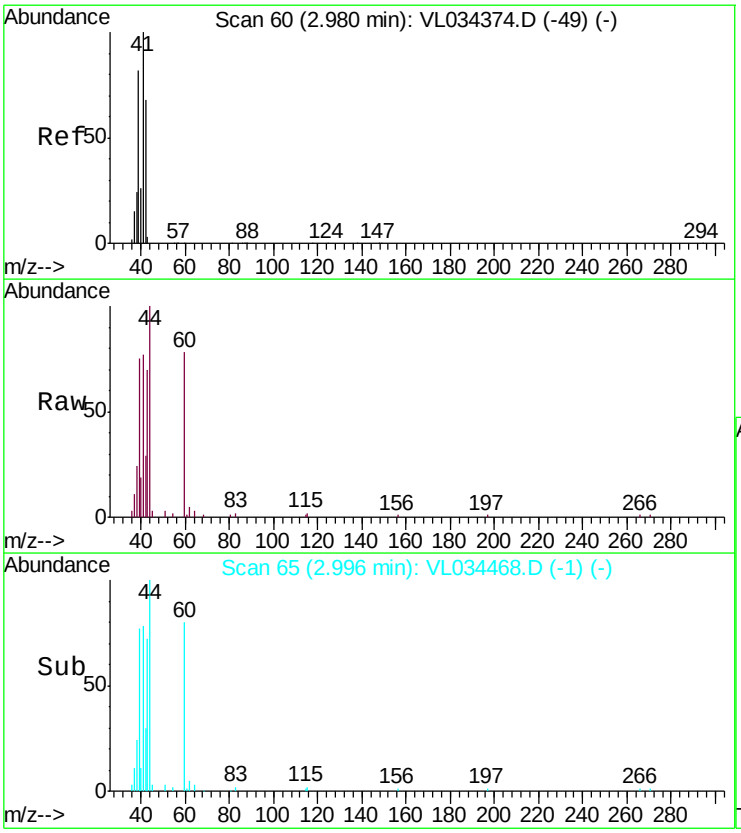
#6
Bromomethane
Concen: 0.031 ppbv
RT: 3.46 min Scan# 208
Delta R.T. 0.00 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Instrument :
MSVOA_L
ClientSampleId :
NS-1

Tgt Ion: 94 Resp: 916

Ion	Ratio	Lower	Upper
94	100		
96	70.5	79.5	119.3#

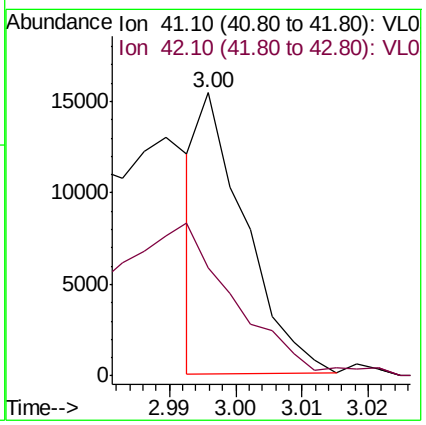


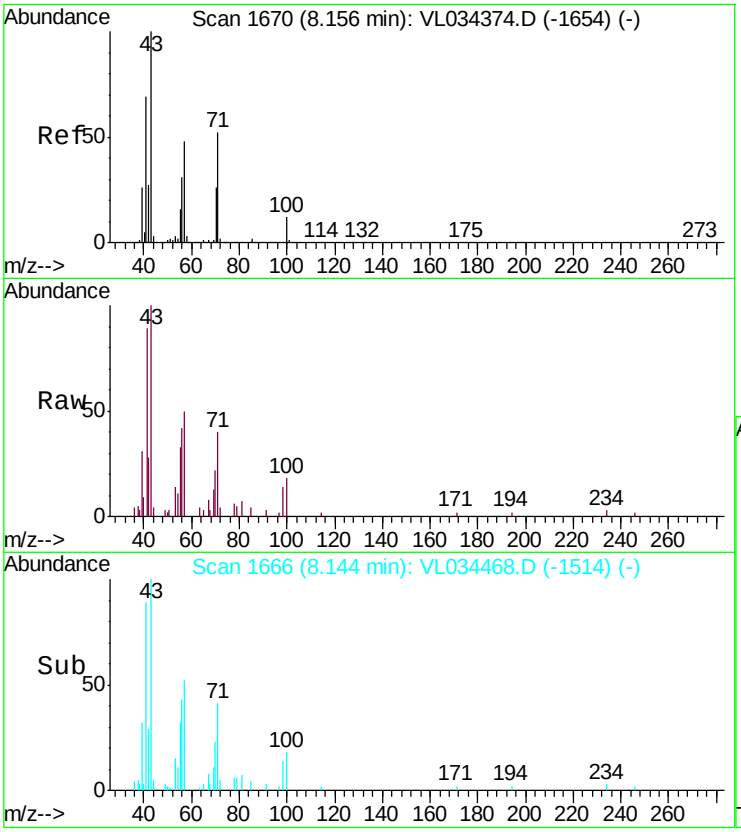


#9
Propene
Concen: 0.158 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.02 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Tgt Ion: 41 Resp: 7521

Ion	Ratio	Lower	Upper
41	100		
42	168.8	54.6	82.0#



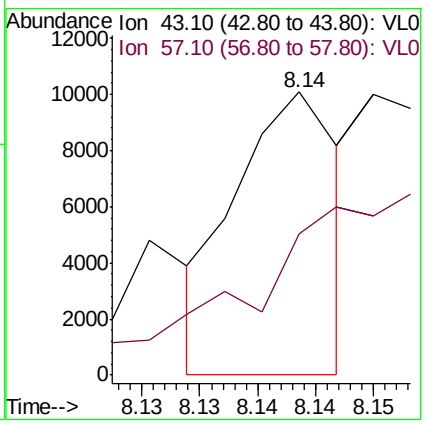


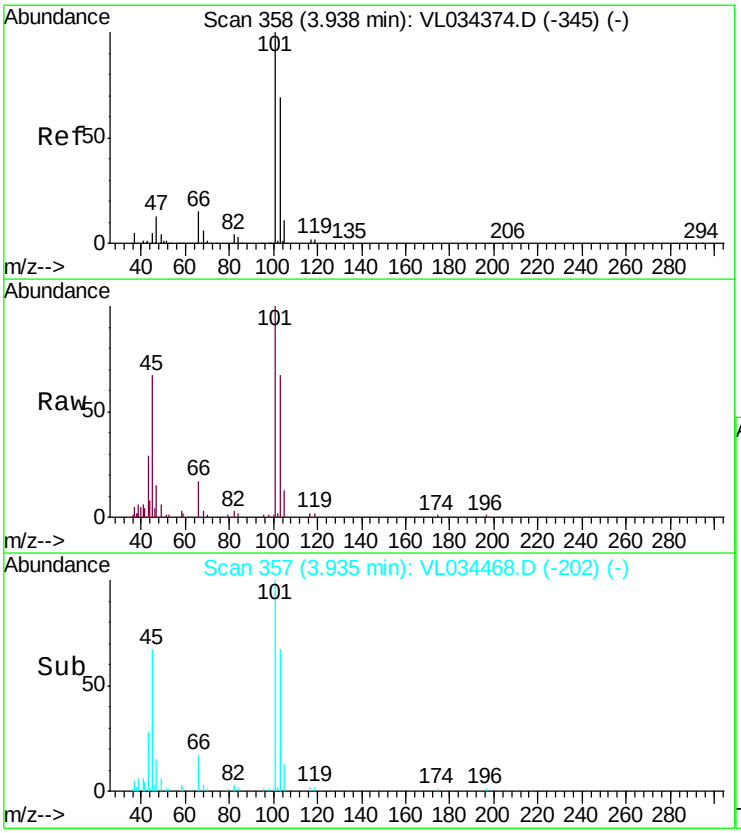
#10
Heptane
Concen: 0.051 ppbv
RT: 8.14 min Scan# 1666
Delta R.T. -0.01 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Instrument :
MSVOA_L
ClientSampleId :
NS-1

Tgt Ion: 43 Resp: 6266

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.2	60.2#

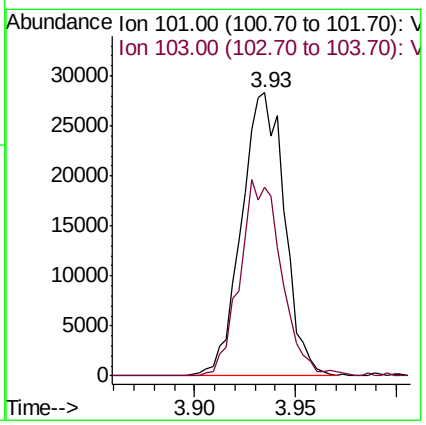


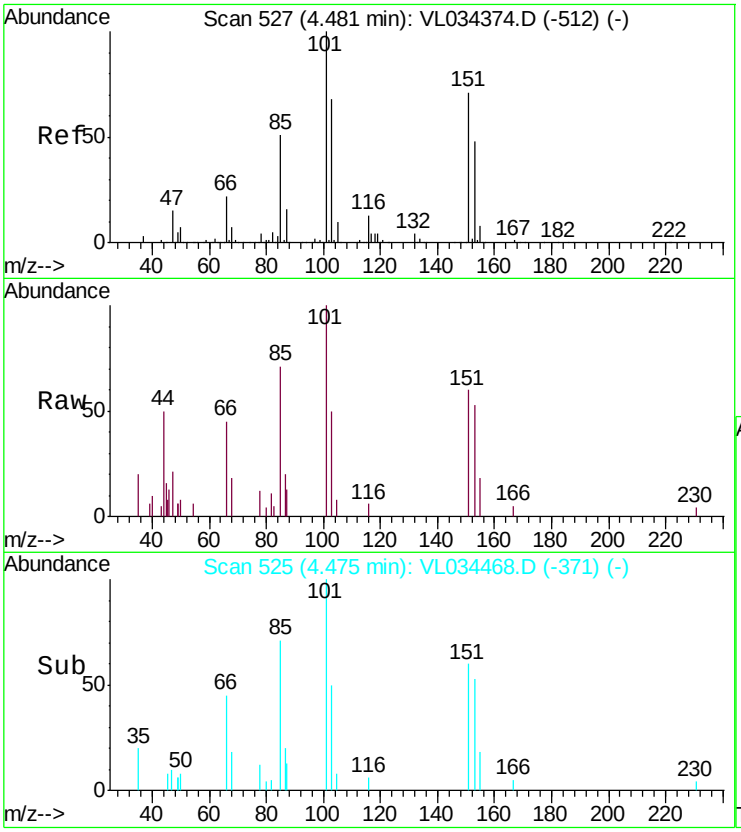


#11
Trichlorofluoromethane
Concen: 0.274 ppbv
RT: 3.93 min Scan# 357
Delta R.T. -0.00 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Tgt Ion:101 Resp: 42375

Ion	Ratio	Lower	Upper
101	100		
103	66.7	55.4	83.0



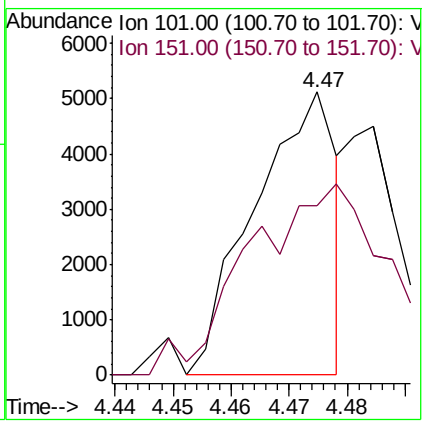


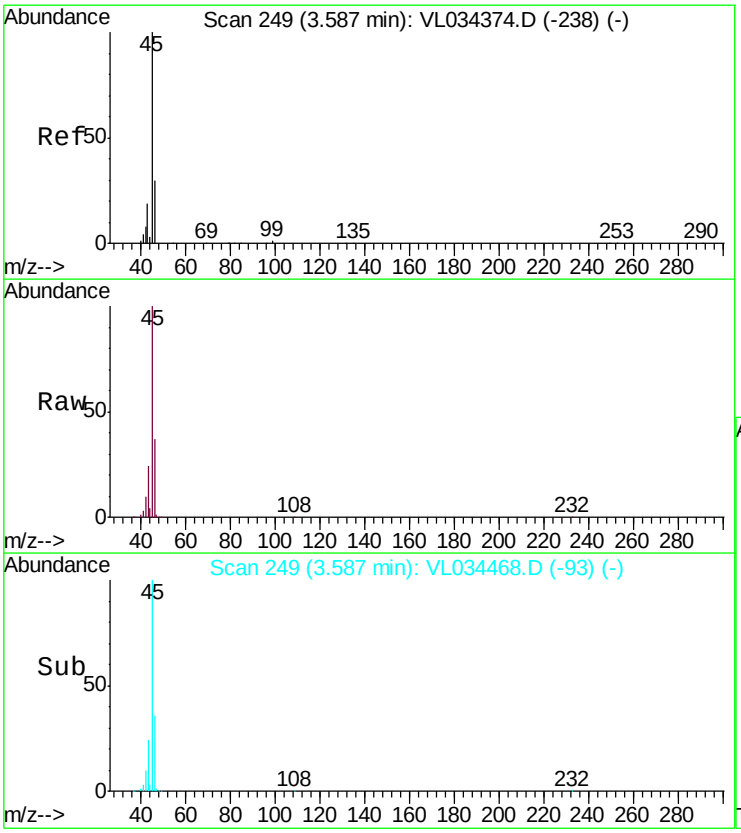
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.049 ppbv
RT: 4.47 min Scan# 525
Delta R.T. -0.01 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Instrument :
MSVOA_L
ClientSampleId :
NS-1

Tgt Ion:101 Resp: 5026

Ion	Ratio	Lower	Upper
101	100		
151	114.8	57.4	86.2#

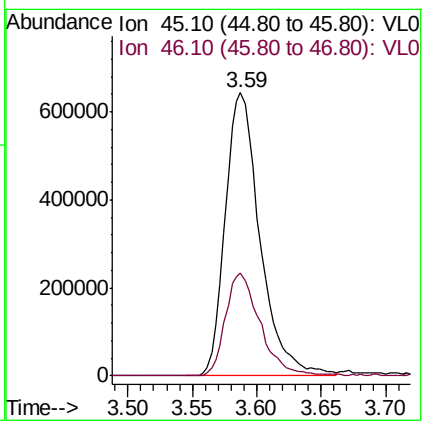


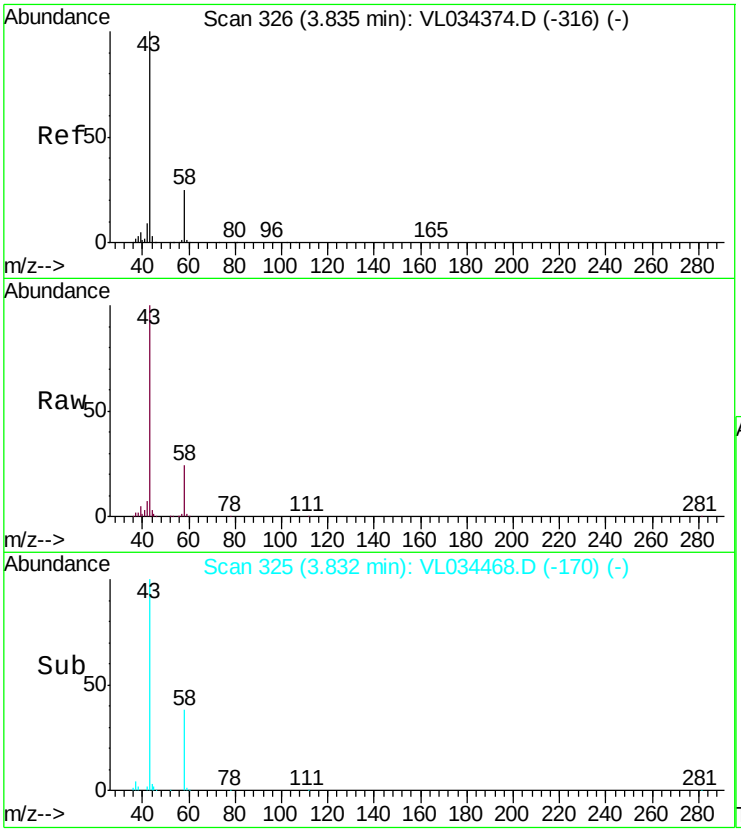


#13
Ethanol
Concen: 91.142 ppbv
RT: 3.59 min Scan# 249
Delta R.T. 0.00 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Tgt Ion: 45 Resp: 1207125

Ion	Ratio	Lower	Upper
45	100		
46	36.7	13.8	55.4



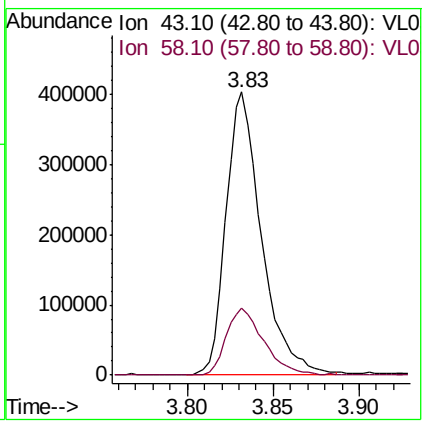


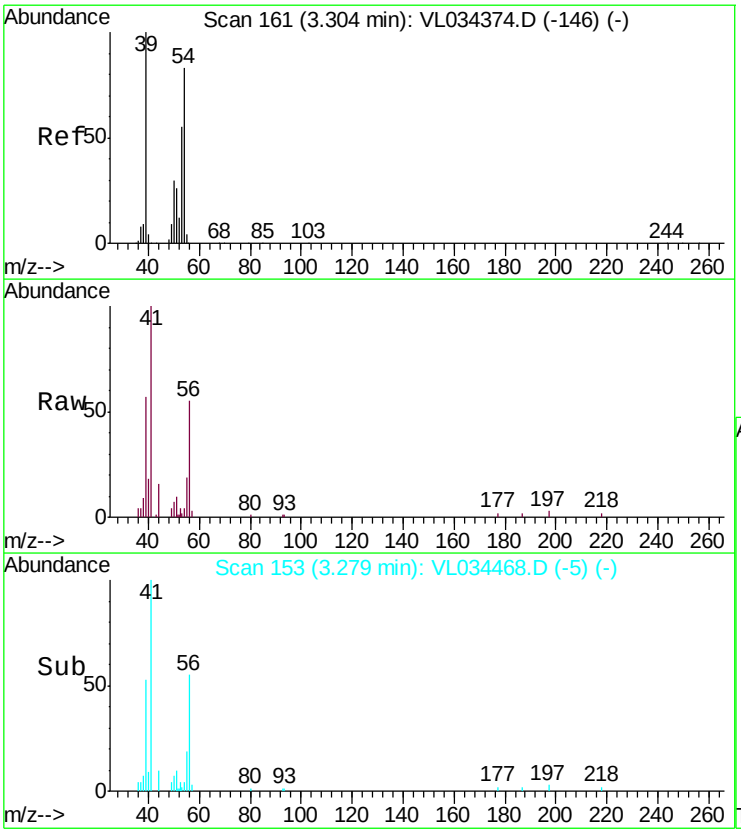
#15
Acetone
Concen: 4.667 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.00 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Instrument :
MSVOA_L
ClientSampleId :
NS-1

Tgt Ion: 43 Resp: 573638

Ion	Ratio	Lower	Upper
43	100		
58	25.5	20.2	30.4

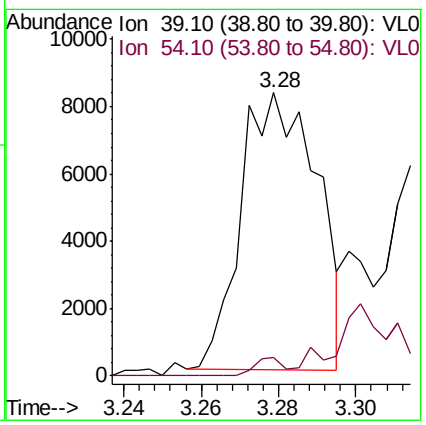


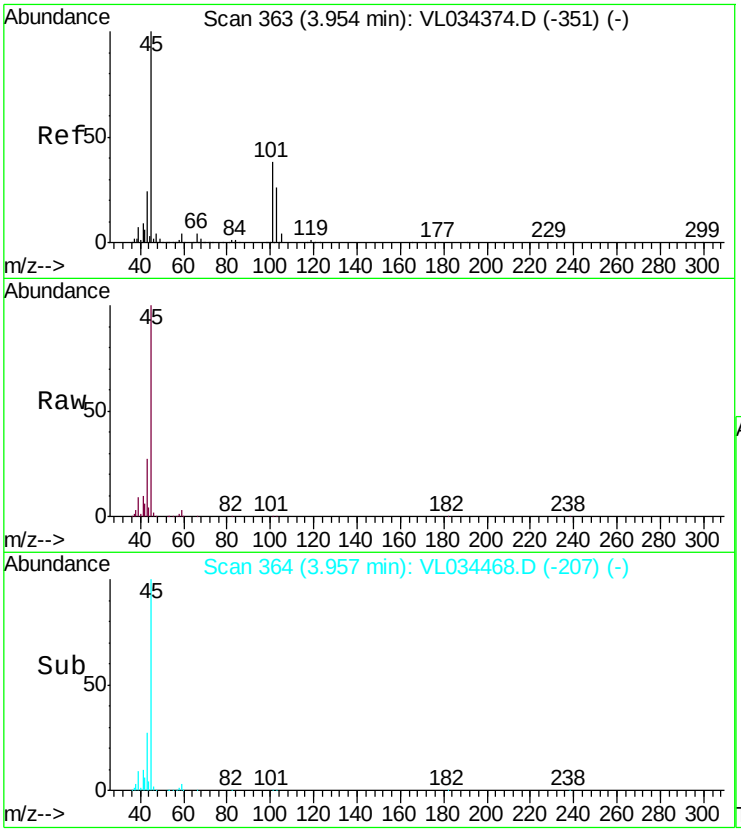


#16
1,3-Butadiene
Concen: 0.210 ppbv
RT: 3.28 min Scan# 153
Delta R.T. -0.03 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Tgt Ion: 39 Resp: 11229

Ion	Ratio	Lower	Upper
39	100		
54	31.7	64.7	97.1#



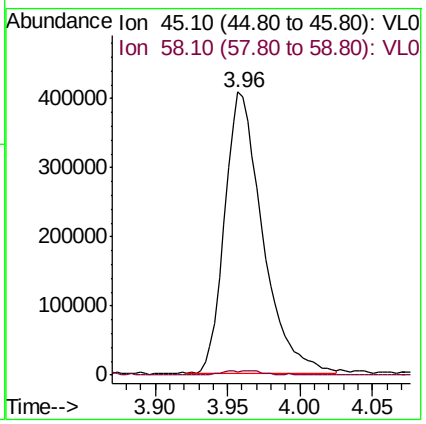


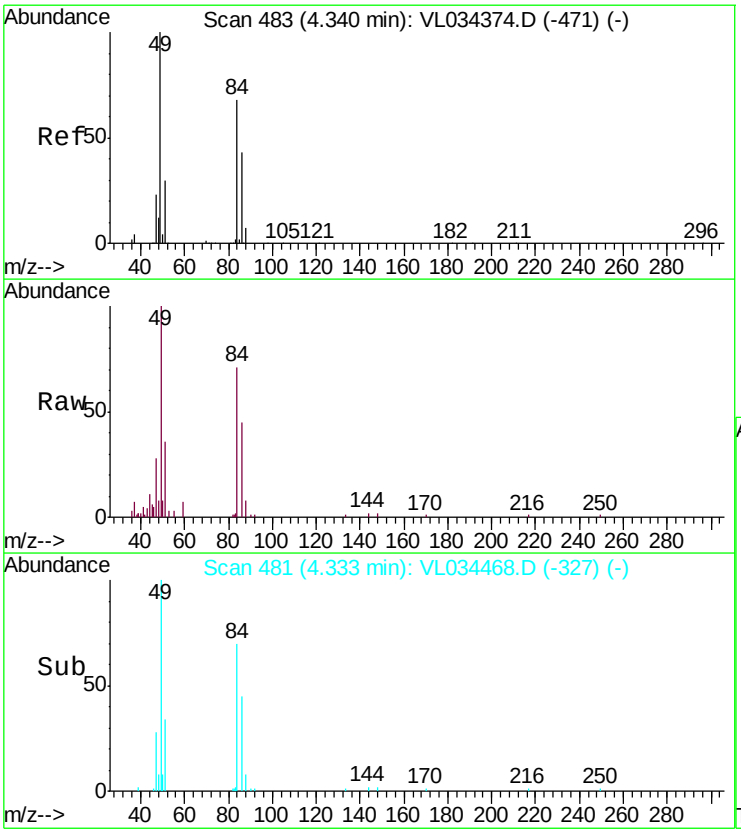
#19
Isopropyl Alcohol
Concen: 9.366 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.00 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Instrument :
MSVOA_L
ClientSampleId :
NS-1

Tgt Ion: 45 Resp: 737880

Ion	Ratio	Lower	Upper
45	100		
58	1.9	1.3	1.9

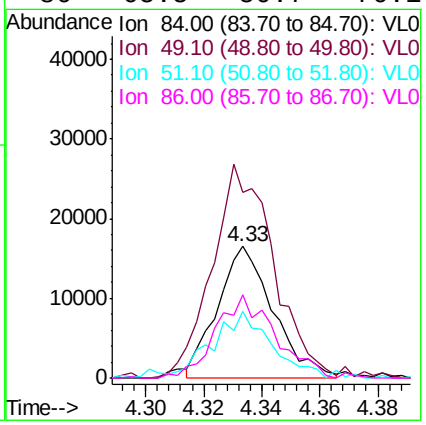


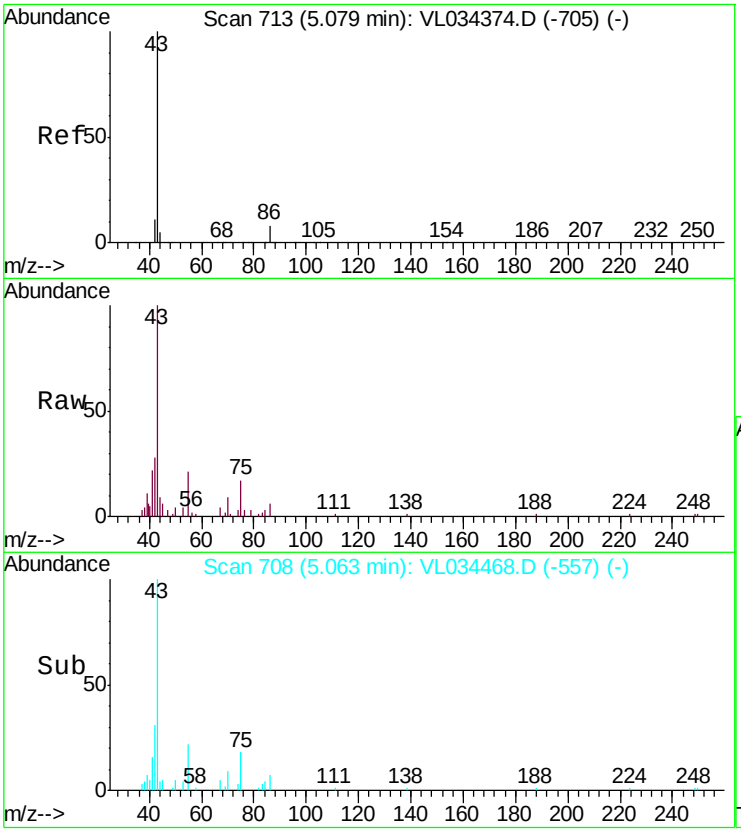


#20
Methylene Chloride
Concen: 0.503 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Tgt Ion: 84 Resp: 21941

Ion	Ratio	Lower	Upper
84	100		
49	144.3	116.8	175.2
51	46.9	35.6	53.4
86	65.5	50.7	76.1



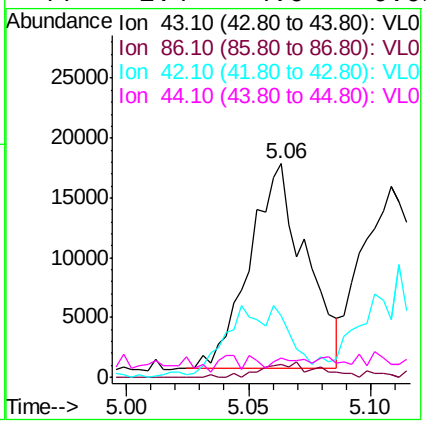


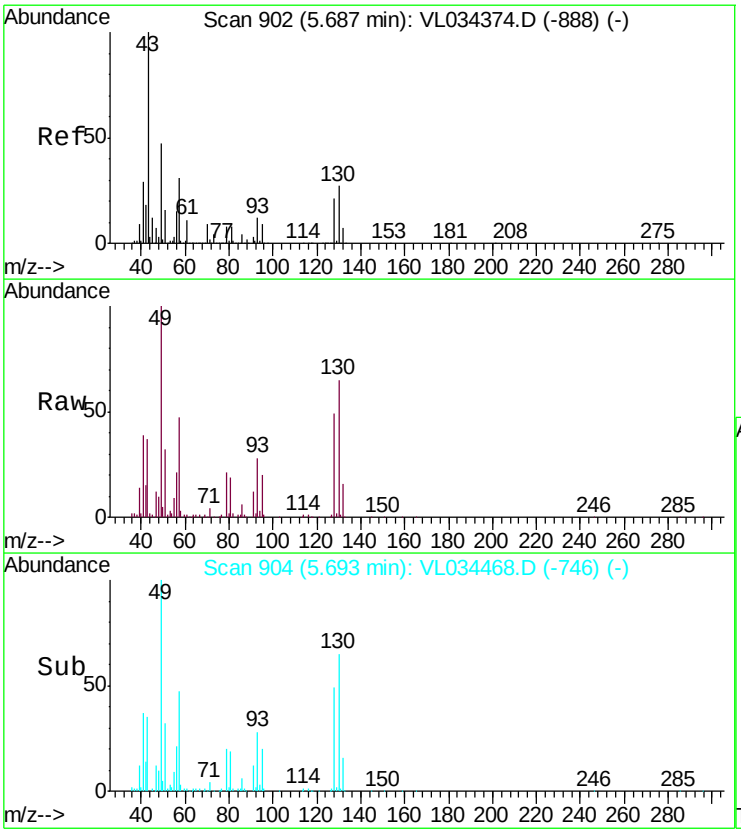
#23
Vinyl Acetate
Concen: 0.171 ppbv
RT: 5.06 min Scan# 708
Delta R.T. -0.02 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Instrument : MSVOA_L
ClientSampleId : NS-1

Tgt Ion: 43 Resp: 27411

Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.8	8.6
42	28.4	8.9	13.3#
44	2.4	4.0	6.0#

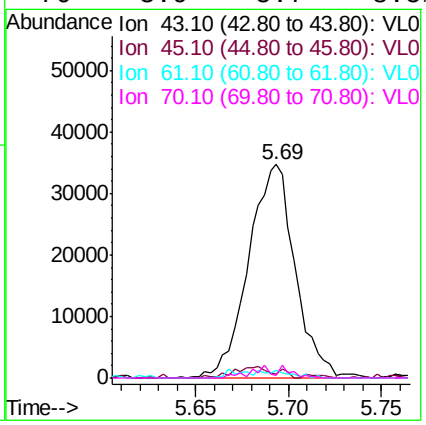


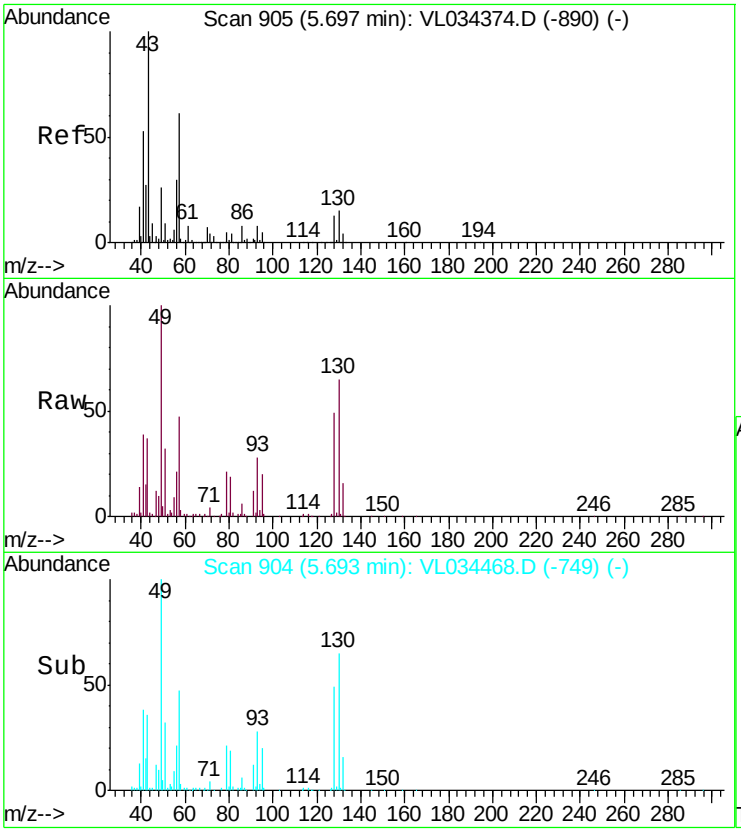


#25
Ethyl Acetate
Concen: 0.276 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Tgt Ion: 43 Resp: 60527

Ion	Ratio	Lower	Upper
43	100		
45	5.7	8.2	12.4#
61	3.9	7.5	11.3#
70	3.9	5.7	8.5#



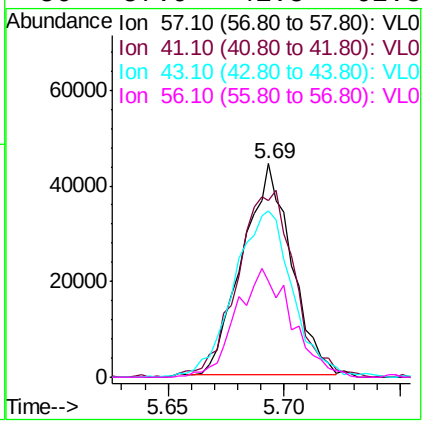


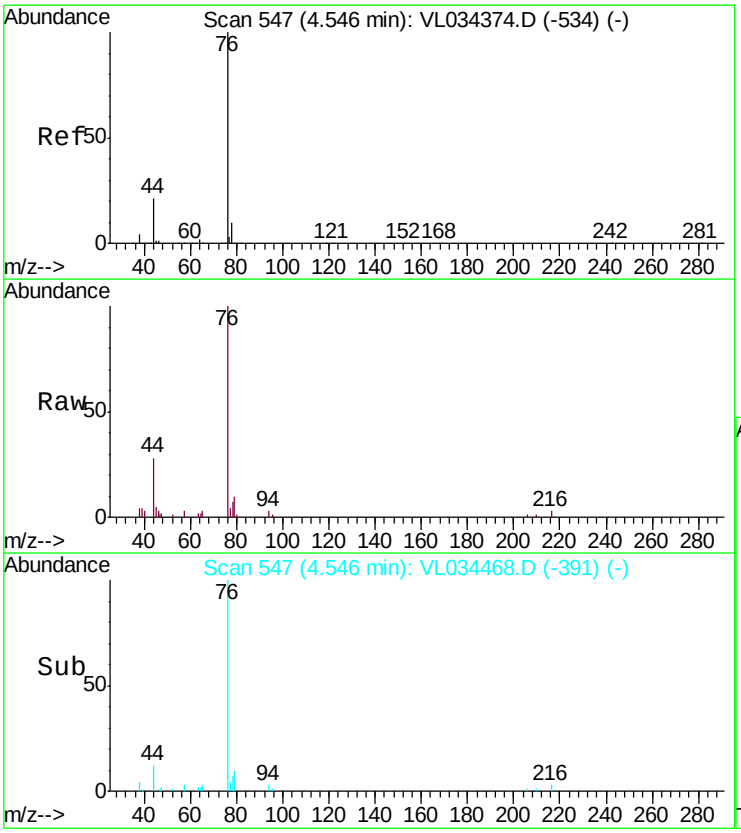
#26
Hexane
Concen: 0.692 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Instrument :
MSVOA_L
ClientSampleId :
NS-1

Tgt Ion: 57 Resp: 65255

Ion	Ratio	Lower	Upper
57	100		
41	102.8	75.0	112.4
43	93.6	186.6	279.8#
56	57.9	41.5	62.3

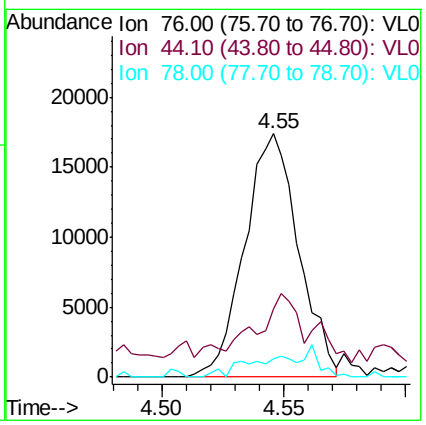


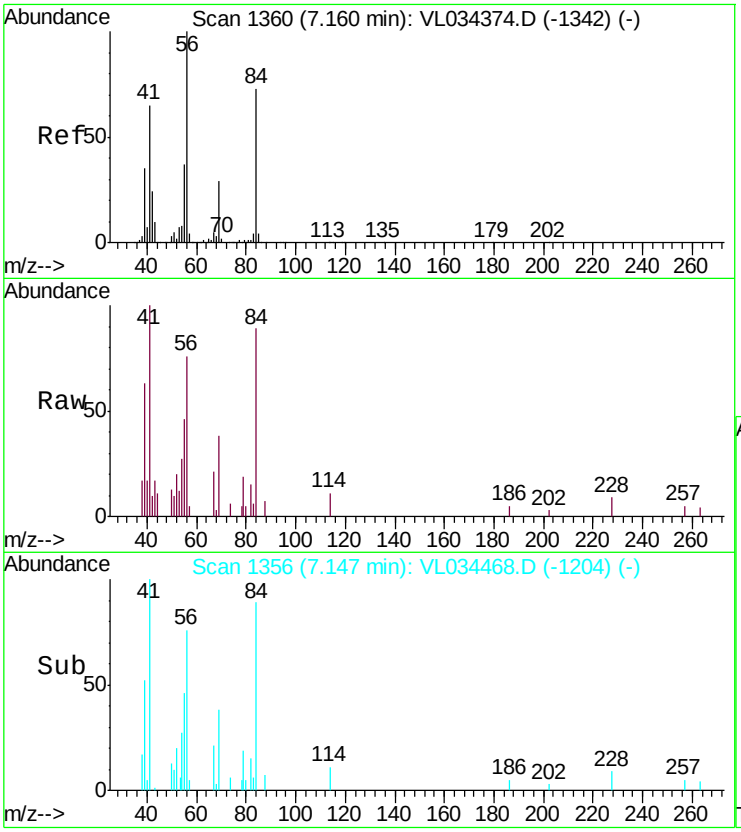


#27
Carbon Disulfide
Concen: 0.259 ppbv
RT: 4.55 min Scan# 547
Delta R.T. 0.00 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Tgt Ion: 76 Resp: 26588

Ion	Ratio	Lower	Upper
76	100		
44	38.2	17.0	25.4#
78	0.0	7.6	11.4#



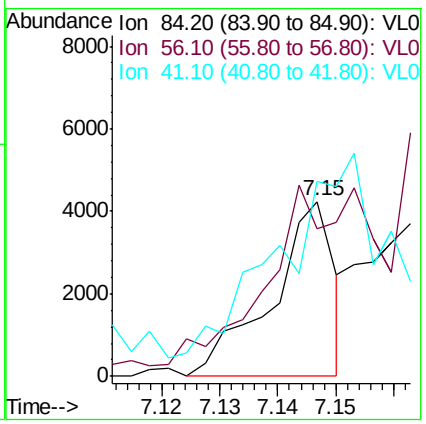


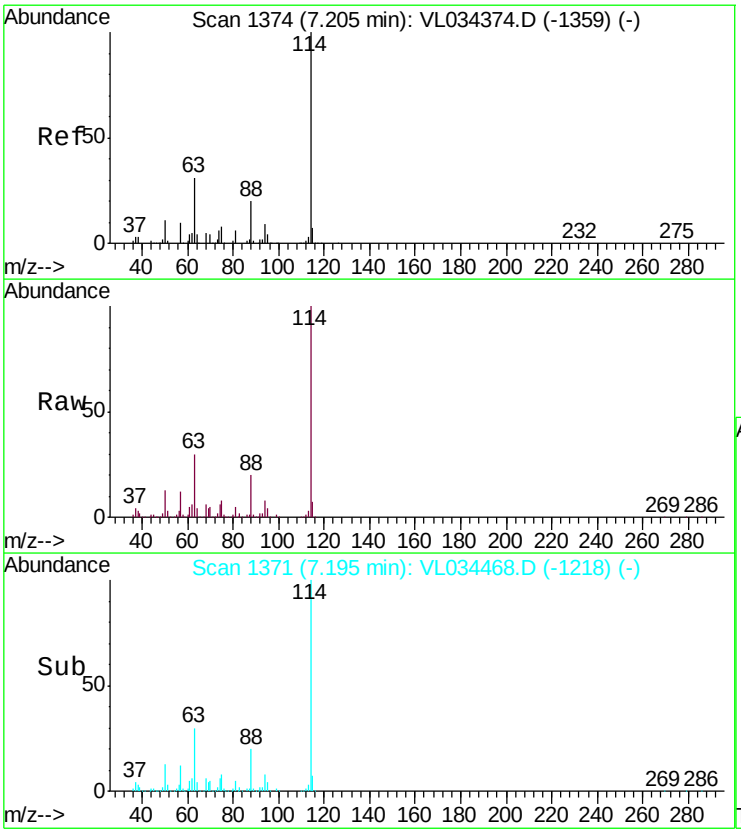
#30
Cyclohexane
Concen: 0.044 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Instrument : MSVOA_L
ClientSampleId : NS-1

Tgt Ion: 84 Resp: 3144

Ion	Ratio	Lower	Upper
84	100		
56	0.0	112.6	169.0#
41	307.5	73.4	110.2#

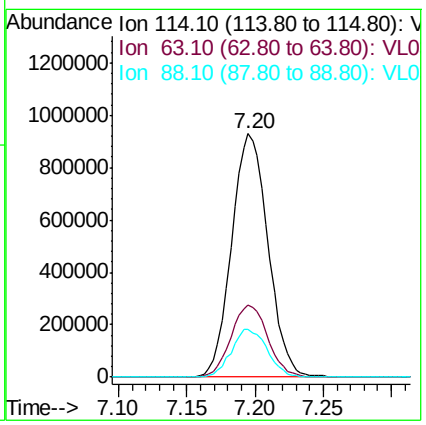


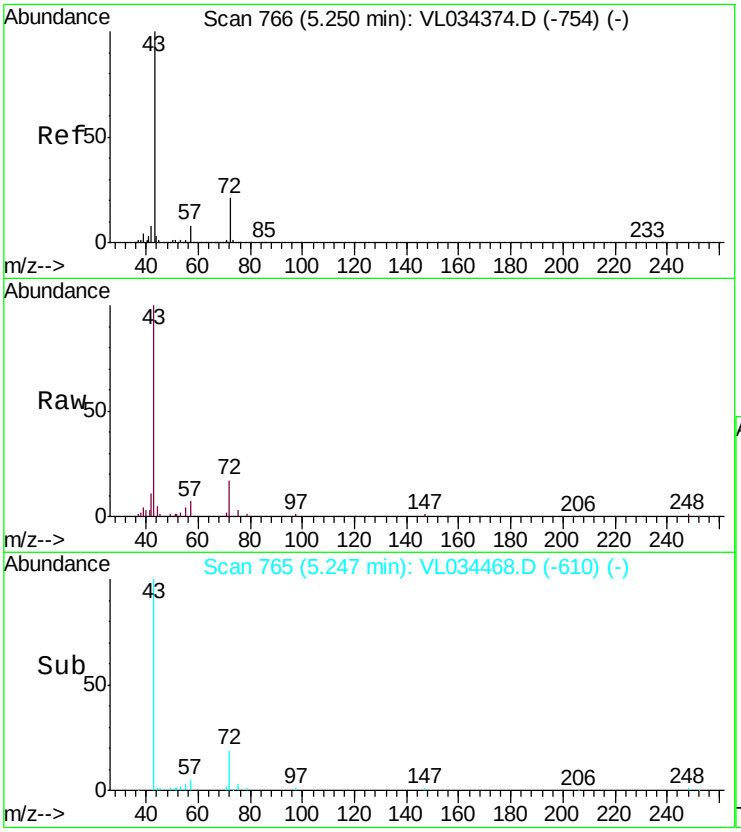


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1371
Delta R.T. -0.01 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Tgt Ion:114 Resp: 1720954

Ion	Ratio	Lower	Upper
114	100		
63	30.2	24.2	36.4
88	19.6	15.9	23.9



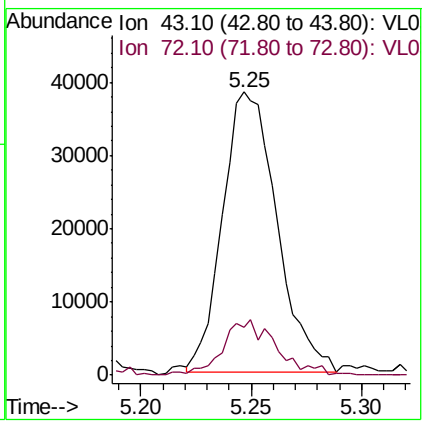


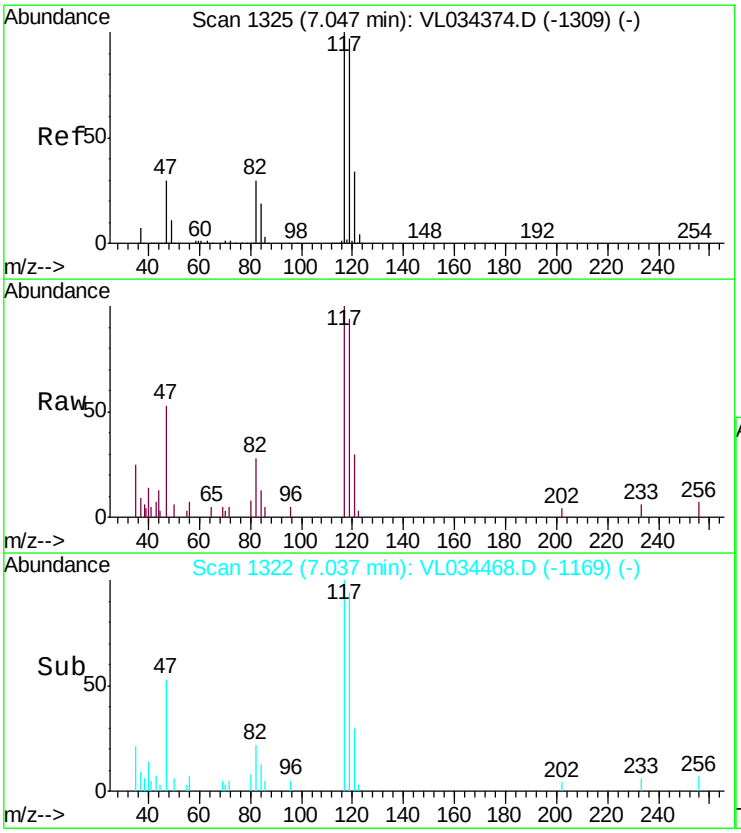
#34
2-Butanone
Concen: 0.460 ppbv
RT: 5.25 min Scan# 765
Delta R.T. -0.00 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Instrument :
MSVOA_L
ClientSampleId :
NS-1

Tgt Ion: 43 Resp: 65193

Ion	Ratio	Lower	Upper
43	100		
72	19.6	17.0	25.6

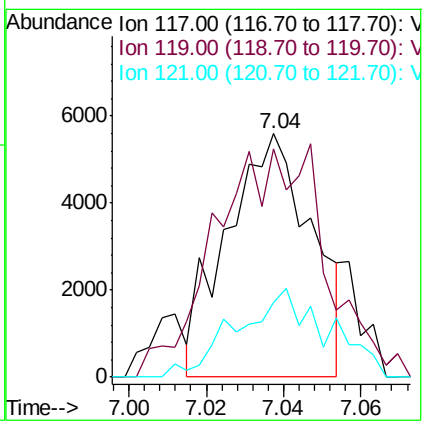


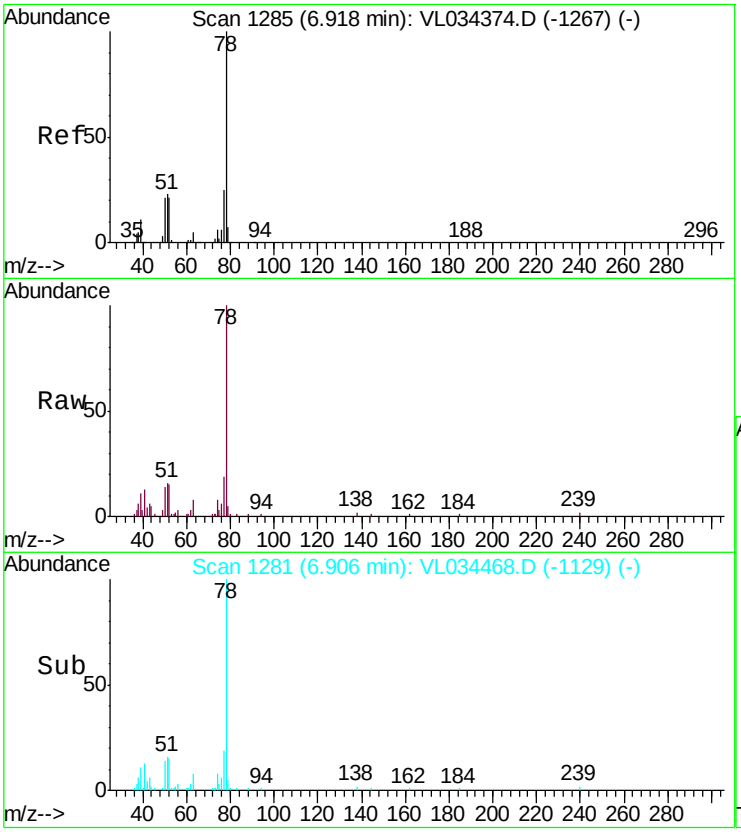


#35
Carbon Tetrachloride
Concen: 0.058 ppbv
RT: 7.04 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Tgt Ion:117 Resp: 8530

Ion	Ratio	Lower	Upper
117	100		
119	82.1	77.3	115.9
121	31.9	27.4	41.2



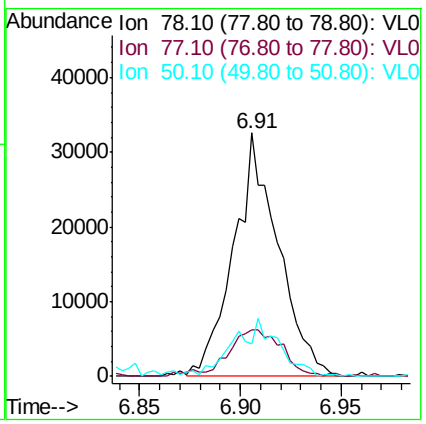


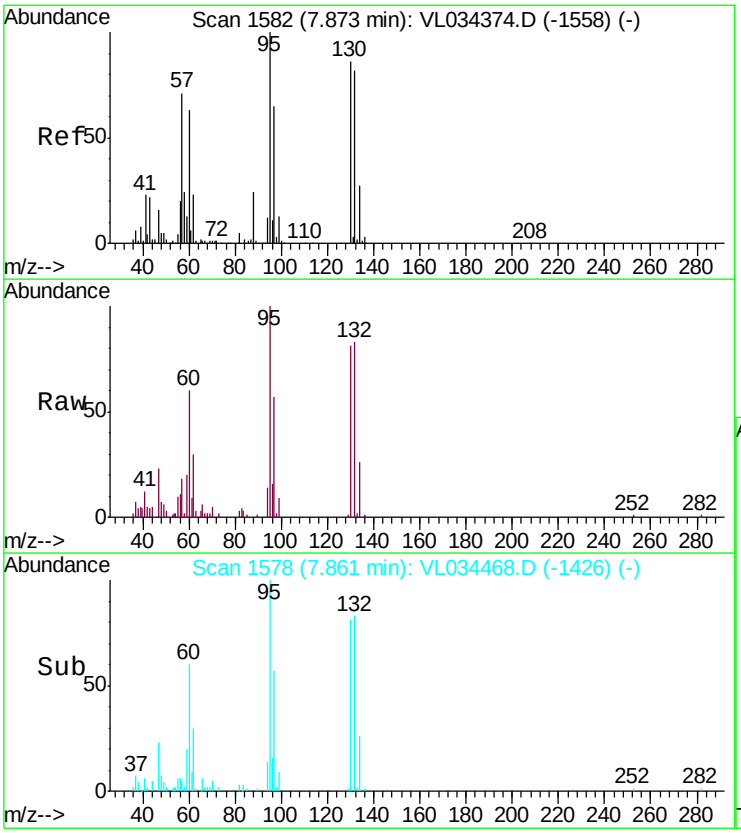
#36
Benzene
Concen: 0.292 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Instrument :
MSVOA_L
ClientSampleId :
NS-1

Tgt Ion: 78 Resp: 50168

Ion	Ratio	Lower	Upper
78	100		
77	17.9	20.2	30.4#
50	12.7	17.1	25.7#

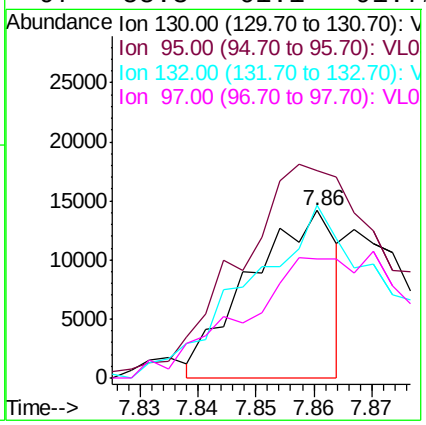


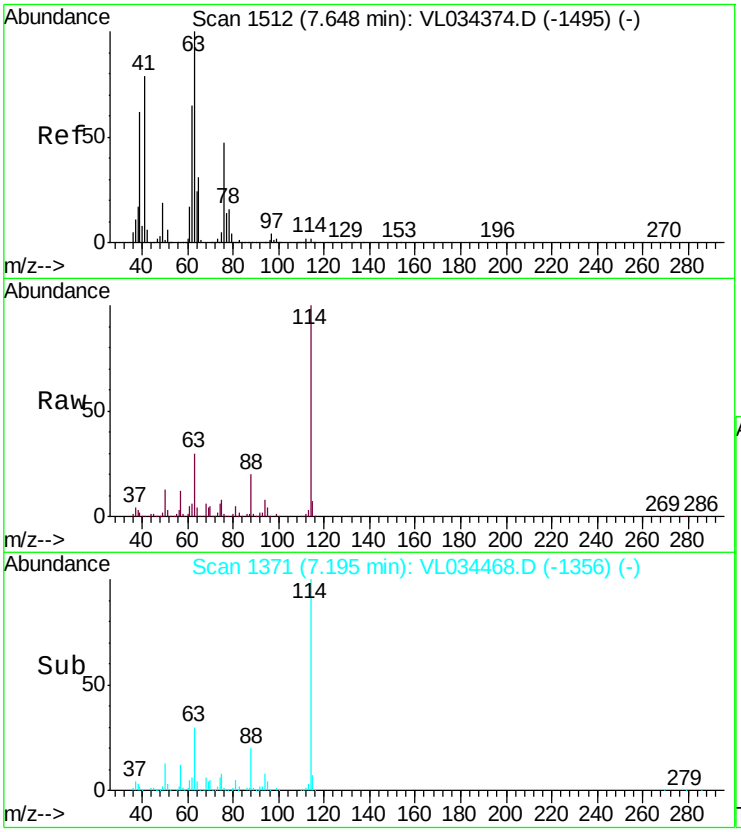


#38
Trichloroethene
Concen: 0.208 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.01 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Tgt Ion:130 Resp: 14678

Ion	Ratio	Lower	Upper
130	100		
95	108.9	93.4	140.0
132	90.5	76.4	114.6
97	55.3	61.1	91.7#



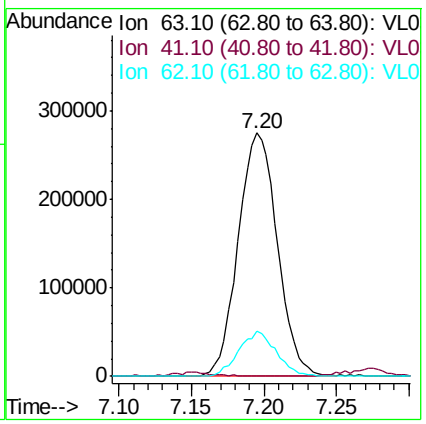


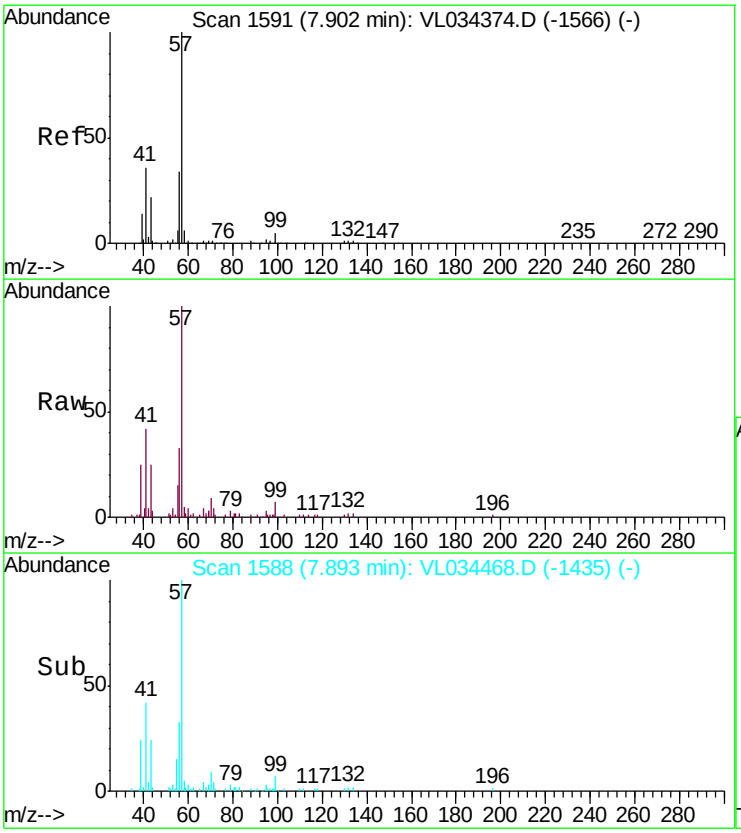
#39
1,2-Dichloropropane
Concen: 7.788 ppbv
RT: 7.20 min Scan# 1371
Delta R.T. -0.45 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Instrument :
MSVOA_L
ClientSampleId :
NS-1

Tgt Ion: 63 Resp: 516185

Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.1	94.7#
62	18.7	52.3	78.5#

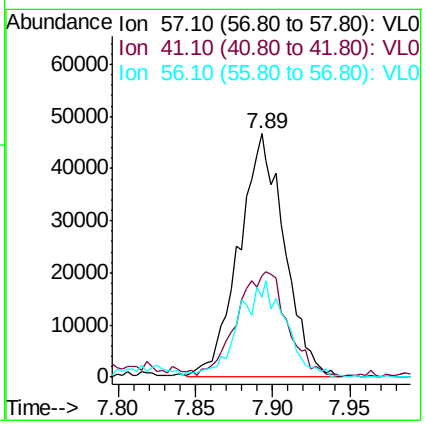


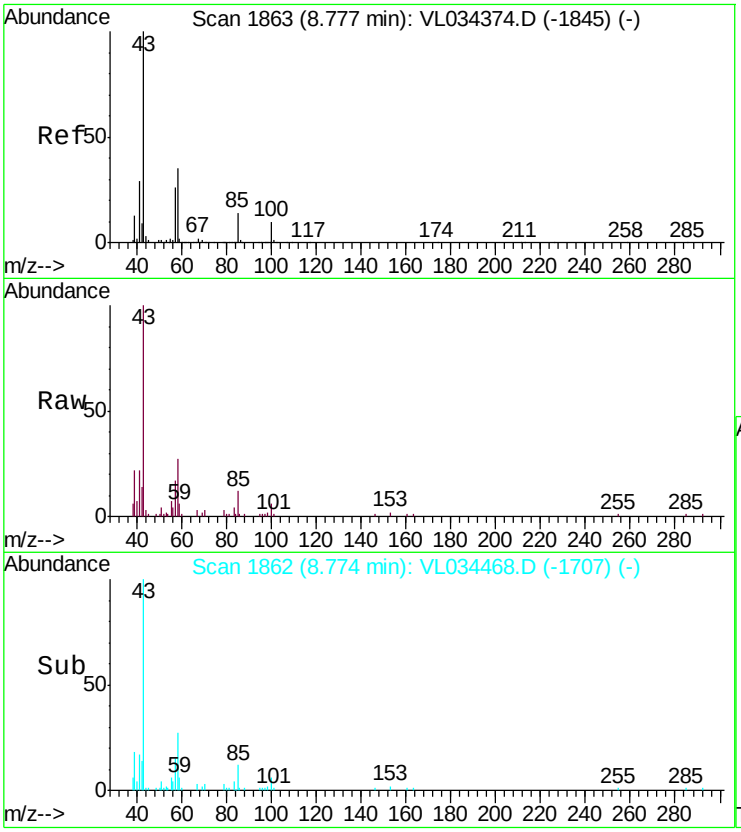


#44
2,2,4-Trimethylpentane
Concen: 0.304 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. -0.01 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Tgt Ion: 57 Resp: 95712

Ion	Ratio	Lower	Upper
57	100		
41	50.9	28.6	42.8#
56	40.7	25.3	37.9#



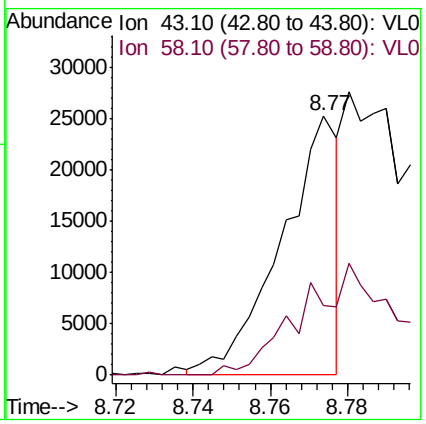


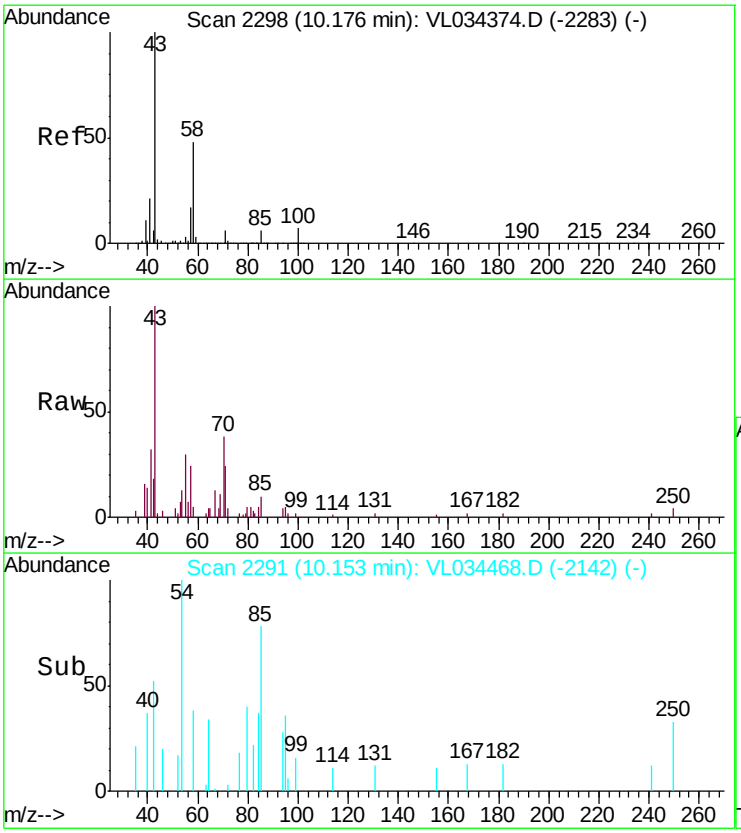
#50
4-Methyl-2-Pentanone
Concen: 0.126 ppbv
RT: 8.77 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Instrument :
MSVOA_L
ClientSampleId :
NS-1

Tgt Ion: 43 Resp: 25821

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.9	41.9#

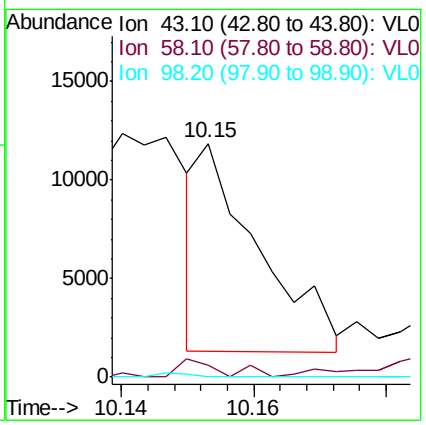


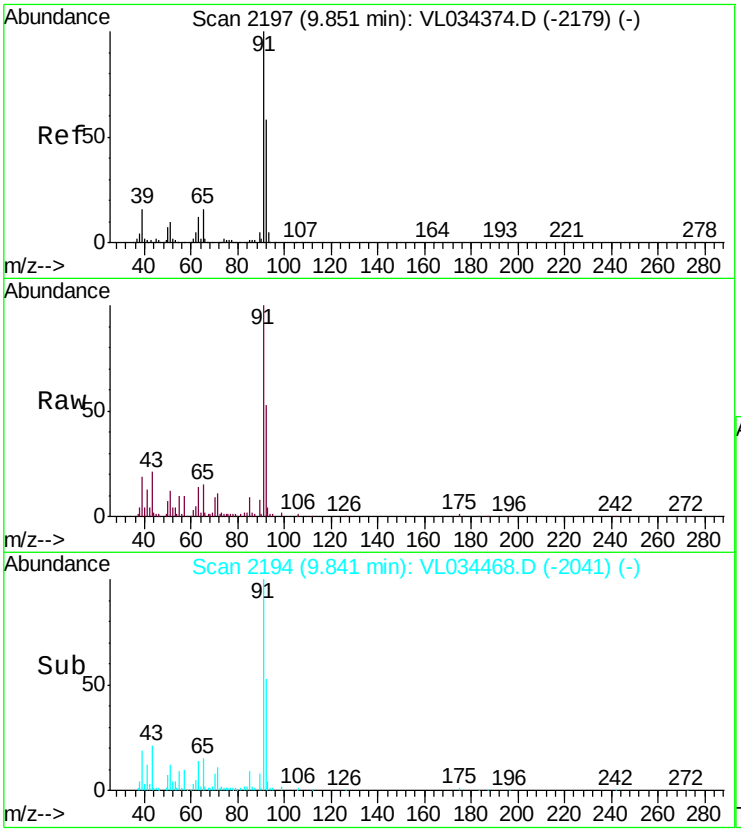


#51
2-Hexanone
Concen: 0.039 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. -0.02 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Tgt Ion: 43 Resp: 6629

Ion	Ratio	Lower	Upper
43	100		
58	6.7	38.2	57.4#
98	0.0	0.2	0.2#



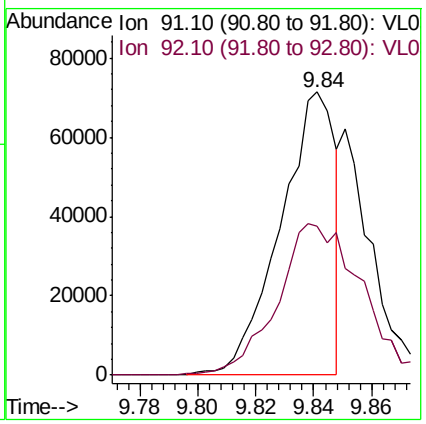


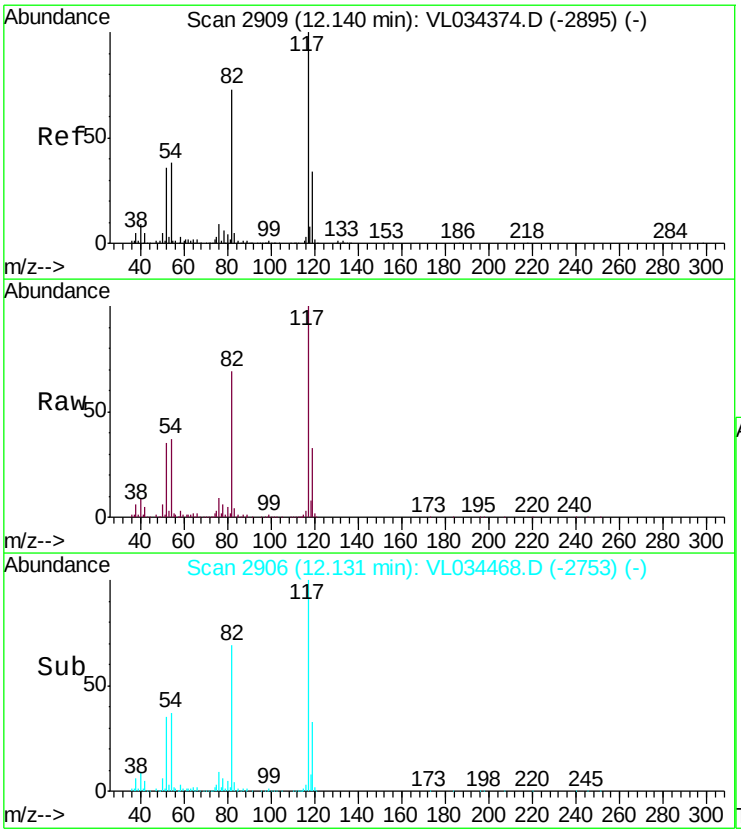
#53
Toluene
Concen: 0.479 ppbv
RT: 9.84 min Scan# 2194
Delta R.T. -0.01 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Instrument :
MSVOA_L
ClientSampleId :
NS-1

Tgt Ion: 91 Resp: 93595

Ion	Ratio	Lower	Upper
91	100		
92	81.8	47.9	71.9#

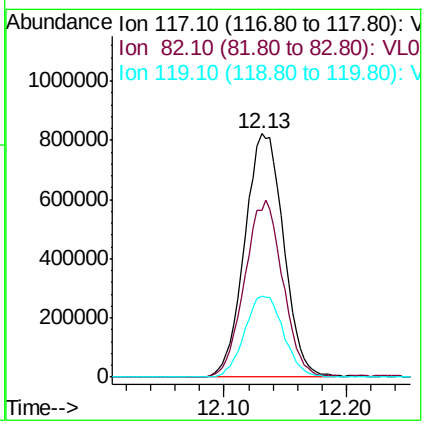


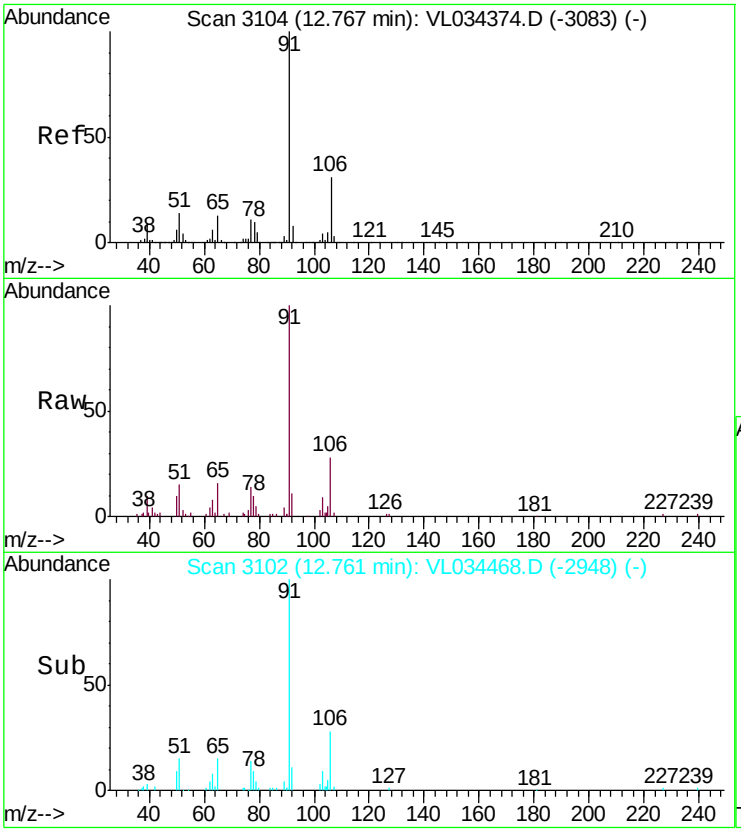


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.01 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Tgt Ion:117 Resp: 1811392

Ion	Ratio	Lower	Upper
117	100		
82	70.8	57.5	86.3
119	33.4	25.4	38.2



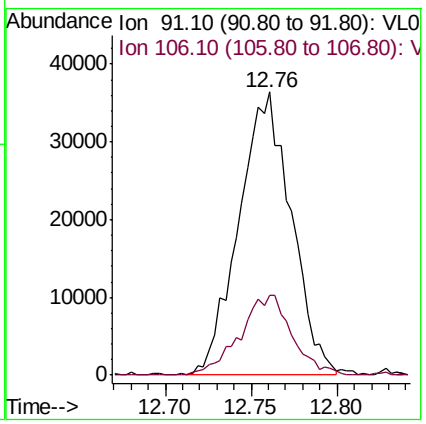


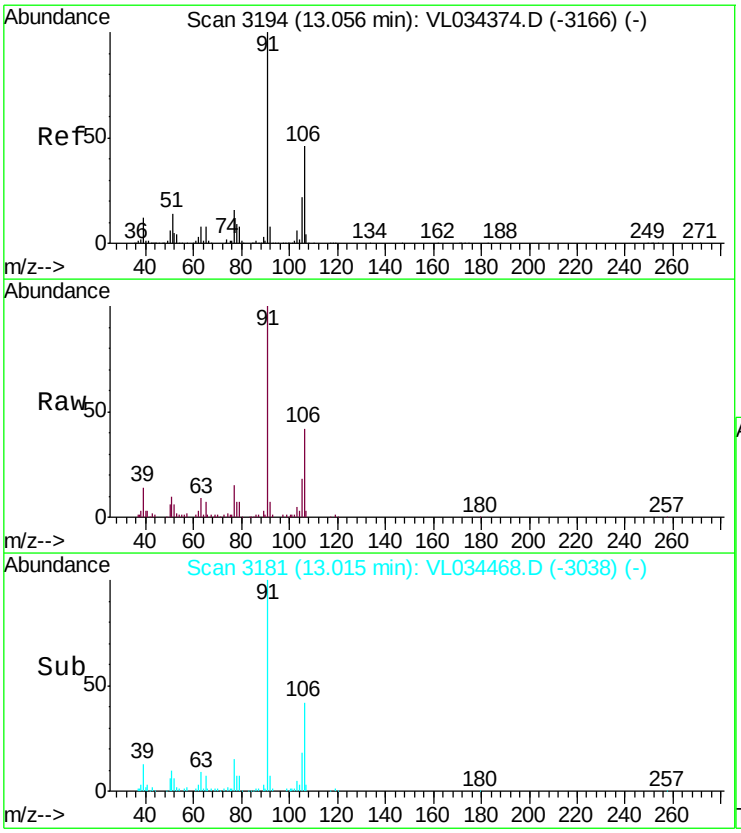
#58
Ethyl Benzene
Concen: 0.274 ppbv
RT: 12.76 min Scan# 3102
Delta R.T. -0.01 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Instrument :
MSVOA_L
ClientSampleId :
NS-1

Tgt Ion: 91 Resp: 77043

Ion	Ratio	Lower	Upper
91	100		
106	28.3	24.8	37.2

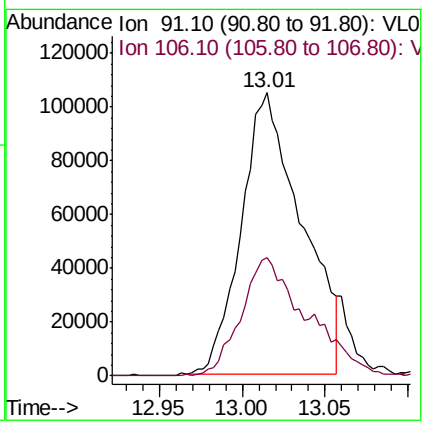


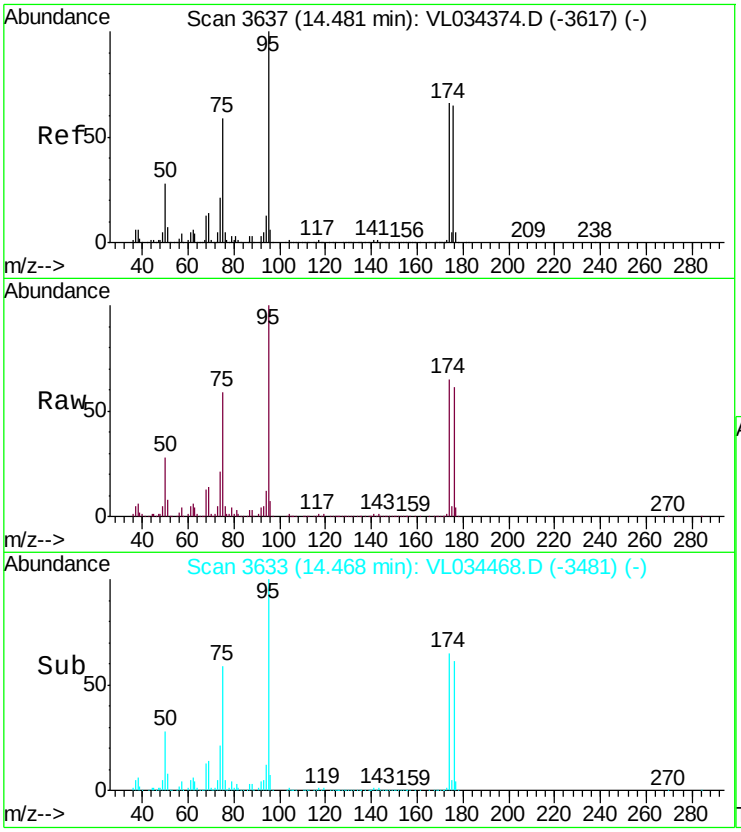


#59
m/p-Xylene
Concen: 1.096 ppbv
RT: 13.01 min Scan# 3181
Delta R.T. -0.04 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Tgt Ion: 91 Resp: 266290

Ion	Ratio	Lower	Upper
91	100		
106	45.8	34.6	51.8



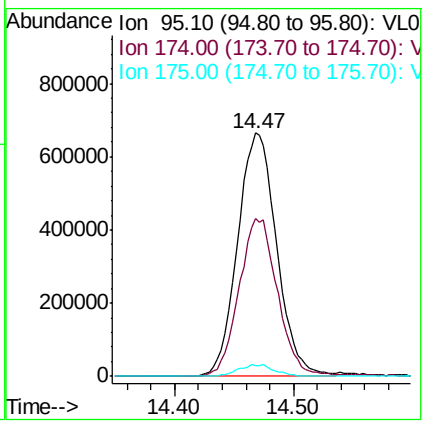


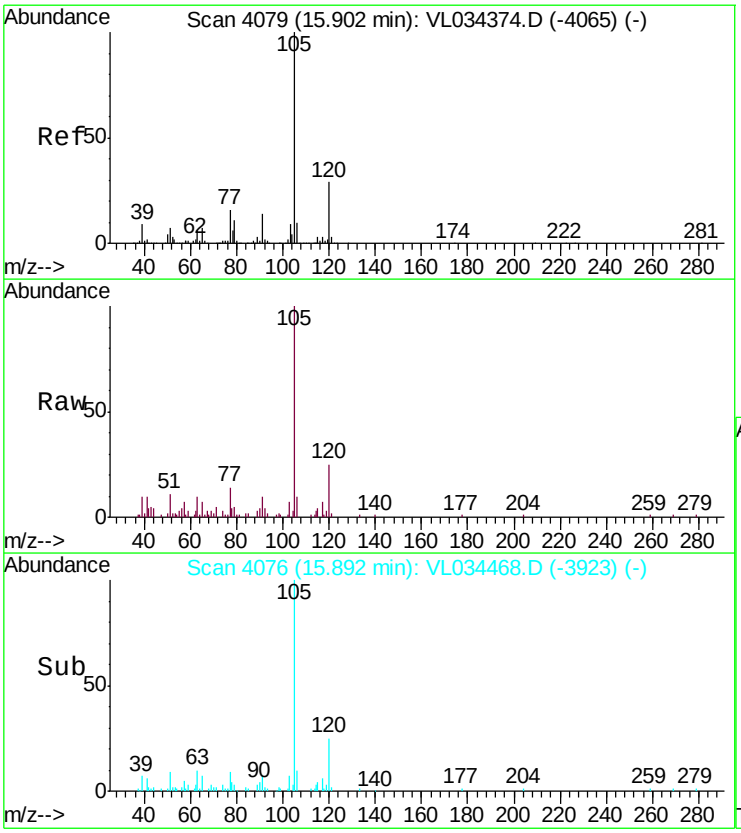
#68
1-Bromo-4-Fluorobenzene
Concen: 9.911 ppbv
RT: 14.47 min Scan# 3633
Delta R.T. -0.01 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Instrument :
MSVOA_L
ClientSampleId :
NS-1

Tgt Ion: 95 Resp: 1510354

Ion	Ratio	Lower	Upper
95	100		
174	64.7	52.2	78.2
175	4.7	3.8	5.8

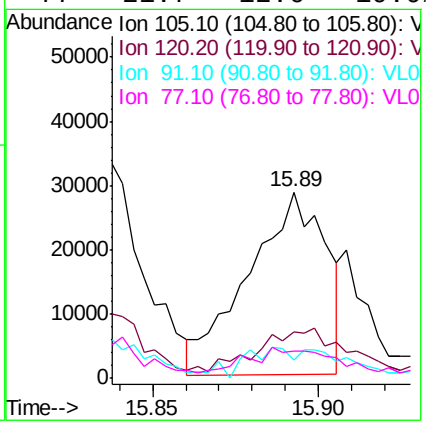


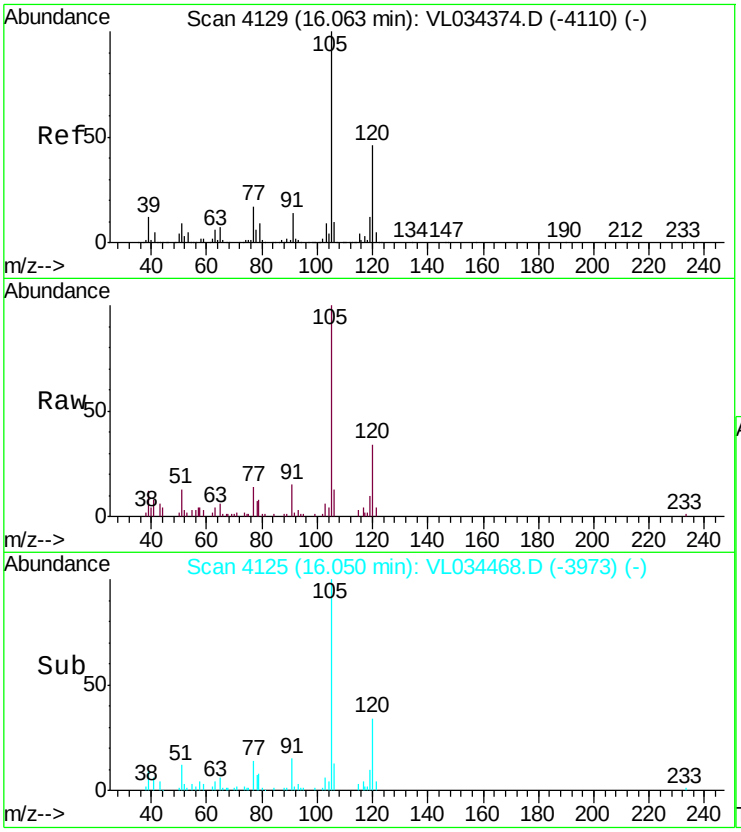


#72
4-Ethyltoluene
Concen: 0.167 ppbv
RT: 15.89 min Scan# 4076
Delta R.T. -0.01 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Tgt Ion:105 Resp: 46437

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.5	35.3#
91	20.9	11.4	17.0#
77	21.7	12.6	19.0#



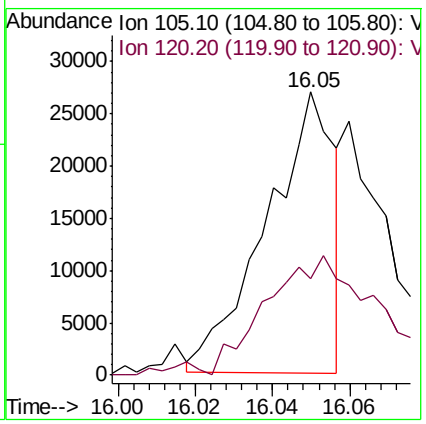


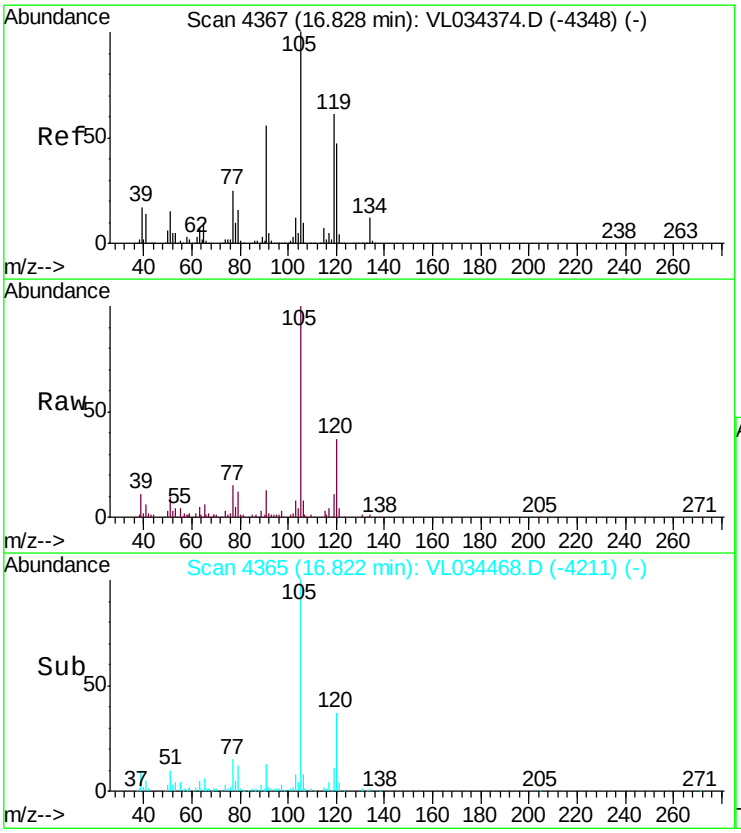
#73
1,3,5-Trimethylbenzene
Concen: 0.120 ppbv
RT: 16.05 min Scan# 4125
Delta R.T. -0.01 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Instrument :
MSVOA_L
ClientSampleId :
NS-1

Tgt Ion:105 Resp: 32690

Ion	Ratio	Lower	Upper
105	100		
120	30.6	37.1	55.7#

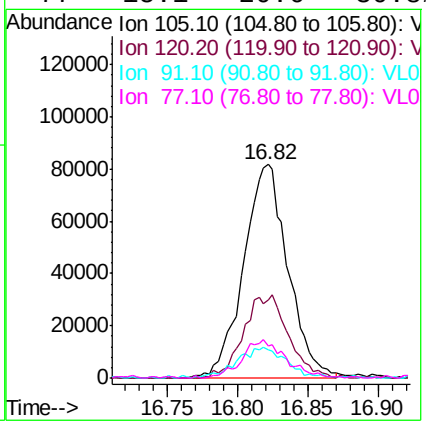


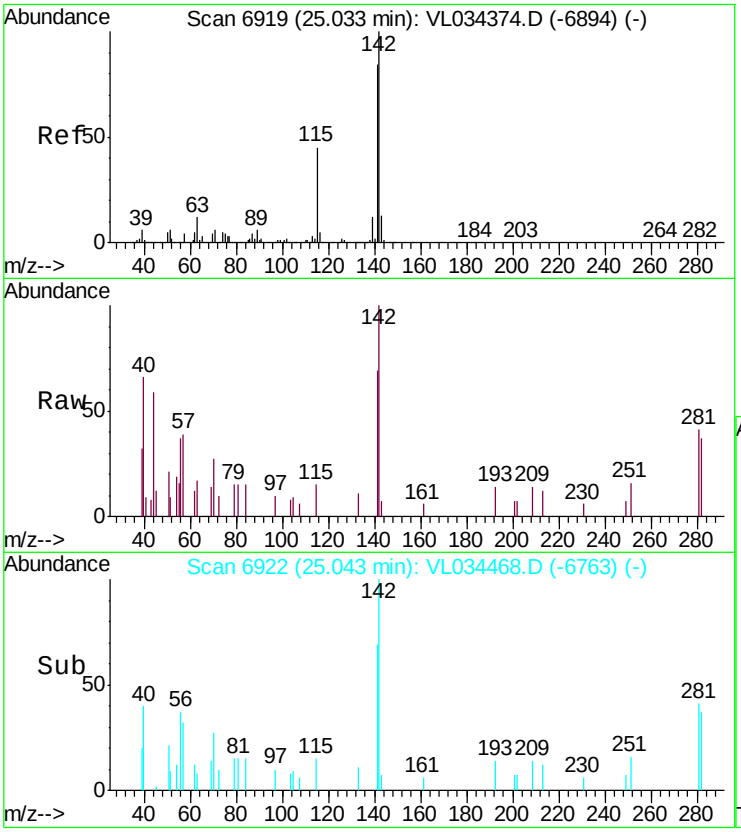


#74
1,2,4-Trimethylbenzene
Concen: 0.621 ppbv
RT: 16.82 min Scan# 4365
Delta R.T. -0.01 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Tgt Ion:105 Resp: 179350

Ion	Ratio	Lower	Upper
105	100		
120	36.8	37.4	56.0#
91	12.7	46.3	69.5#
77	15.1	20.6	30.8#





#80
Naphthalene,2-methyl-
Concen: 0.038 ppbv
RT: 25.04 min Scan# 6922
Delta R.T. 0.01 min
Lab File: VL034468.D
Acq: 9 Dec 2019 17:27

Instrument :
MSVOA_L
ClientSampleId :
NS-1

Tgt Ion:142 Resp: 4324

Ion	Ratio	Lower	Upper
142	100		
141	95.1	67.1	100.7
115	75.0	36.6	54.8#