Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061319\

Quantitation Report (Not Reviewed)

Data File : VL033925.D
Acq On : 14 Jun 2019 9:44
Operator : SY/AP
Sample : K3295-02DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : V2DL

Quant Time: Jun 14 11:29:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.74	49	1016031	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.27	114	2593760	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.22	117	2726622	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.56	95	1984707	8.86	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 88.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	18136	0.110	ppbv	#	88
3) Chlorodifluoromethane	2.98	51	10460	0.087	ppbv	#	90
8) Dichlorotetrafluoroethane	3.07	85	18136	0.103	ppbv	#	18
9) Propene	3.03	41	34436	0.769	ppbv		100
10) Heptane	8.22	43	5393	0.048	ppbv	#	1
13) Ethanol	3.64	45	3120389	214.289	ppbv		97
15) Acetone	3.89	43	2053620	13.859	ppbv		98
16) 1,3-Butadiene	3.33	39	73927	1.311	ppbv	#	19
17) tert-Butyl alcohol	4.36	59	35568	0.307	ppbv	#	72
19) Isopropyl Alcohol	4.02	45	57347	0.677	ppbv	#	1
20) Methylene Chloride	4.40	84	8658	0.150	ppbv		92
23) Vinyl Acetate	5.12	43	14635	0.085	ppbv	#	1
25) Ethyl Acetate	5.75	43	139392	0.618	ppbv	#	90
26) Hexane	5.76	57	26579	0.259	ppbv	#	1
27) Carbon Disulfide	4.61	76	5804	0.041	ppbv	#	28
31) cis-1,2-Dichloroethene	5.75	61	16947	0.188	ppbv	#	35
34) 2-Butanone	5.31	43	380790	2.602	ppbv		99
36) Benzene	6.98	78	17755	0.090	ppbv		96
39) 1,2-Dichloropropane	7.27	63	618897	8.093	ppbv	#	26
50) 4-Methyl-2-Pentanone	8.87	43	9180	0.042	ppbv	#	75
51) 2-Hexanone	10.27	43	64395	0.378	ppbv	#	94
52) Tetrachloroethene	11.35	164	45941	0.659	ppbv		96
53) Toluene	9.92	91	713504	3.254	ppbv		99
58) Ethyl Benzene	12.84	91	33446	0.109	ppbv		96
59) m/p-Xylene	13.14	91	13480	0.048	ppbv	#	31
60) o-Xylene	13.83	91	44059	0.153	ppbv		97
72) 4-Ethyltoluene	15.98	105	10352	0.032	ppbv	#	42
74) 1,2,4-Trimethylbenzene	16.91	105	29969	0.080	ppbv	#	71

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

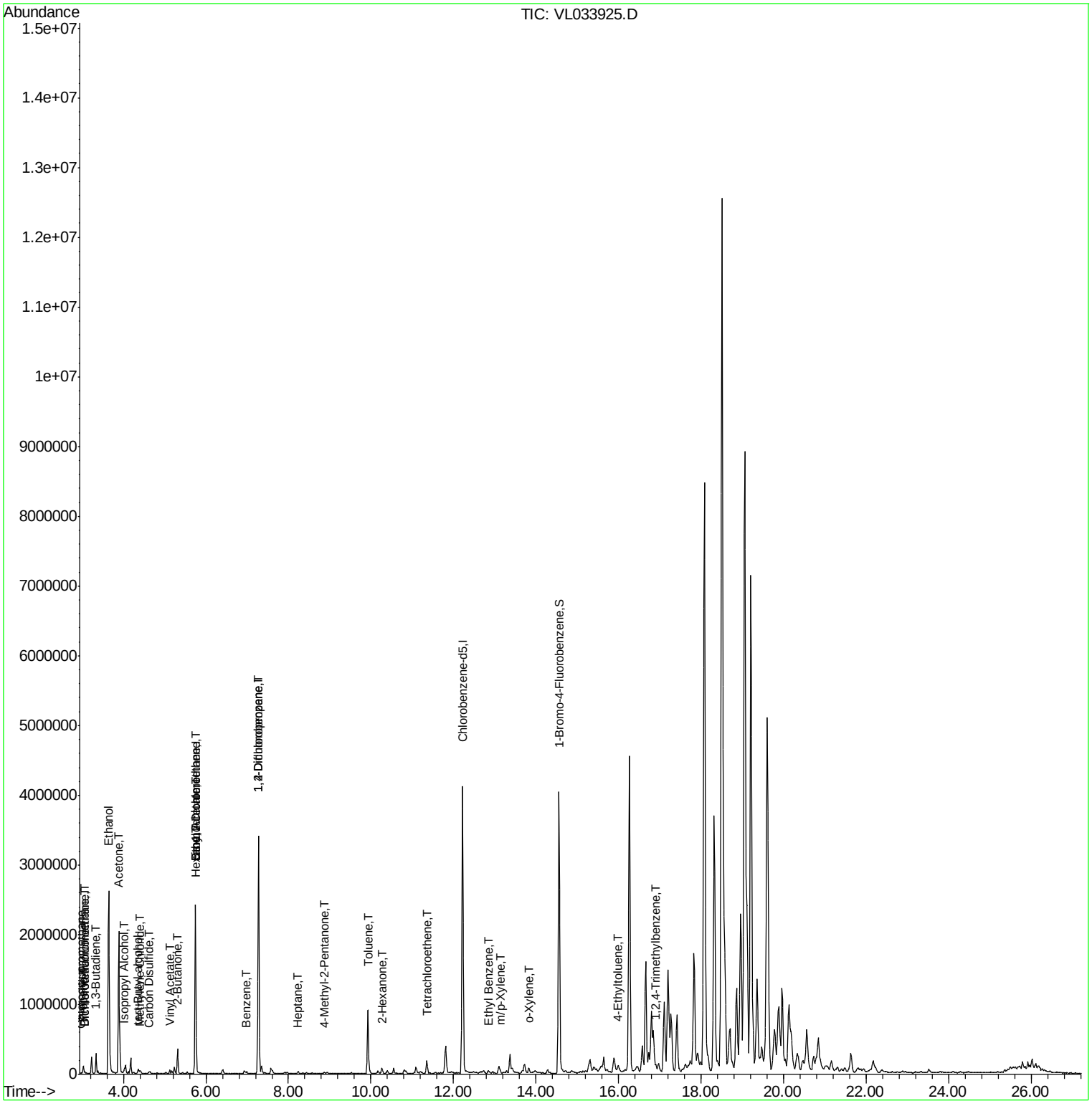
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061319\

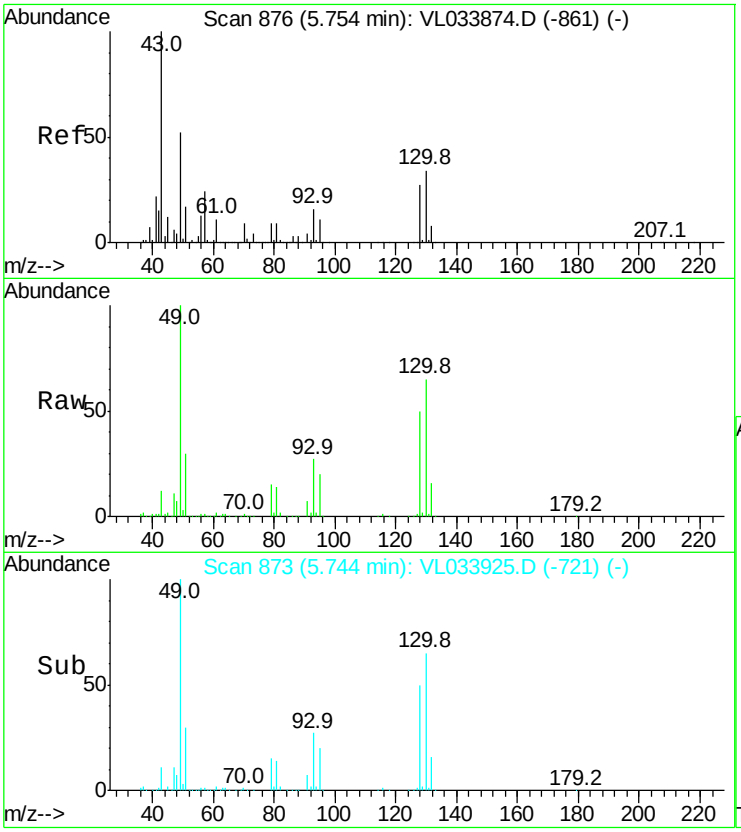
Quantitation Report (Not Reviewed)

Data File : VL033925.D
Acq On : 14 Jun 2019 9:44
Operator : SY/AP
Sample : K3295-02DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : V2DL

Quant Time: Jun 14 11:29:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Jun 07 08:53:27 2019
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration



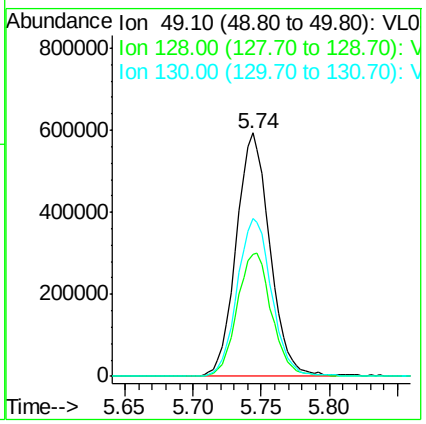


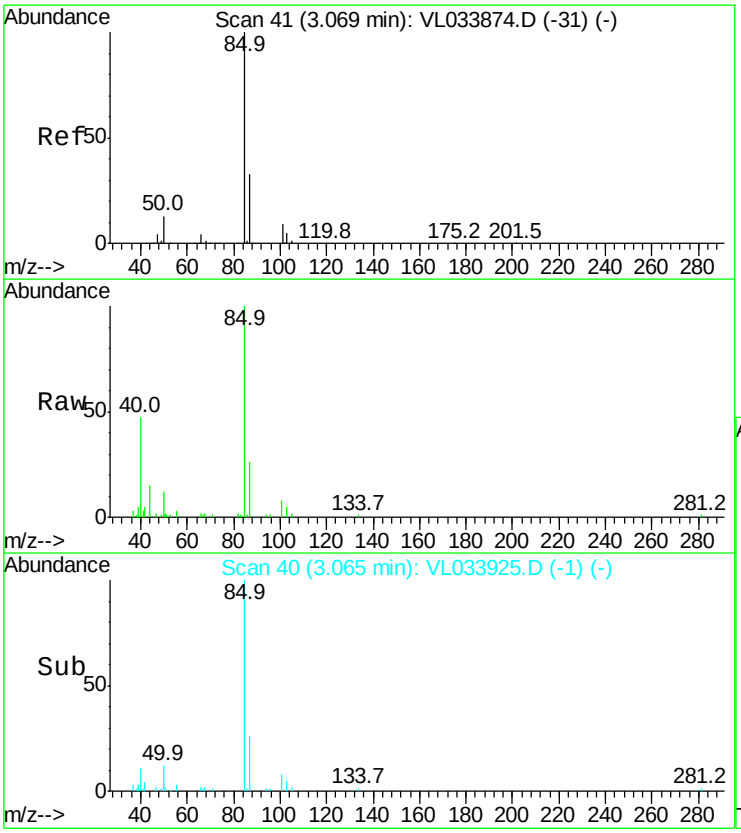
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.74 min Scan# 873
Delta R.T. -0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Instrument :
MSVOA_L
ClientSampleId :
V2DL

Tgt Ion: 49 Resp: 1016031

Ion	Ratio	Lower	Upper
49	100		
128	52.3	25.5	76.5
130	66.9	32.5	97.4

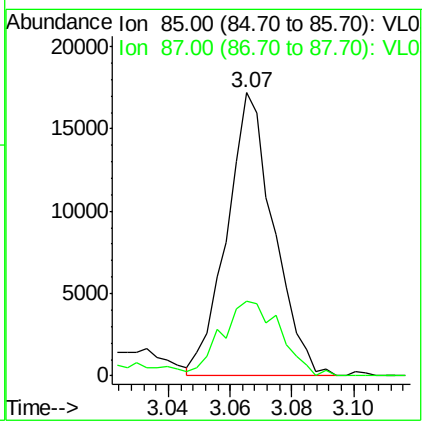


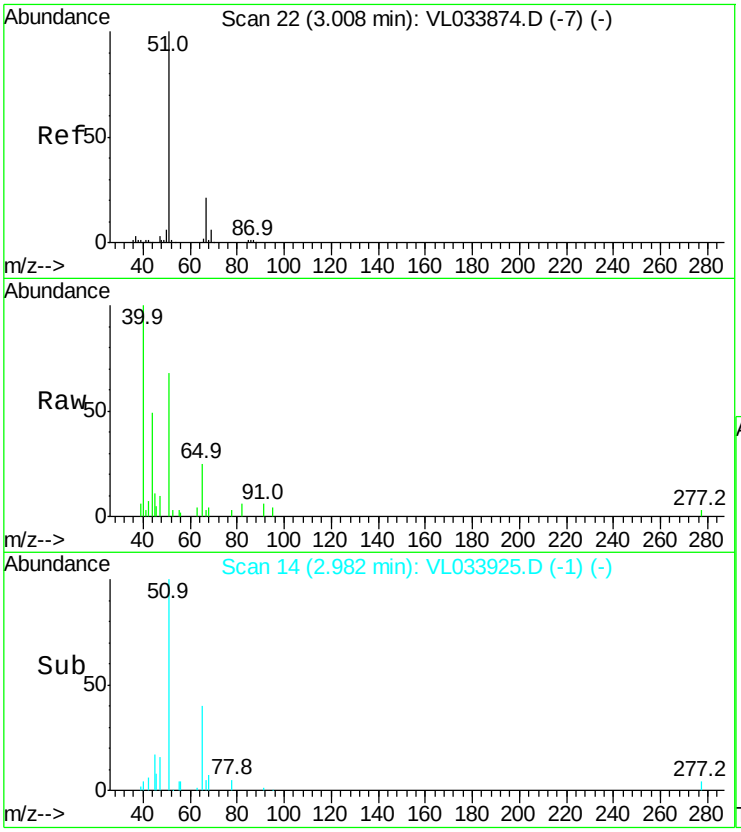


#2
Dichlorodifluoromethane
Concen: 0.110 ppbv
RT: 3.07 min Scan# 40
Delta R.T. -0.00 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Tgt Ion: 85 Resp: 18136

Ion	Ratio	Lower	Upper
85	100		
87	26.3	26.6	40.0#



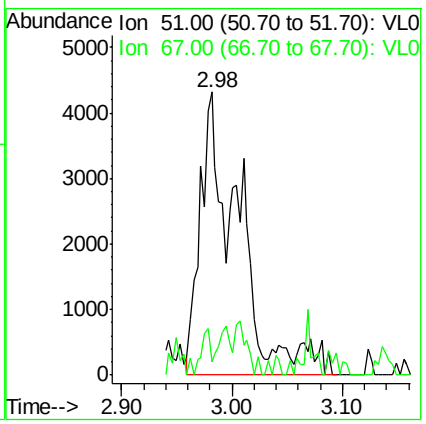


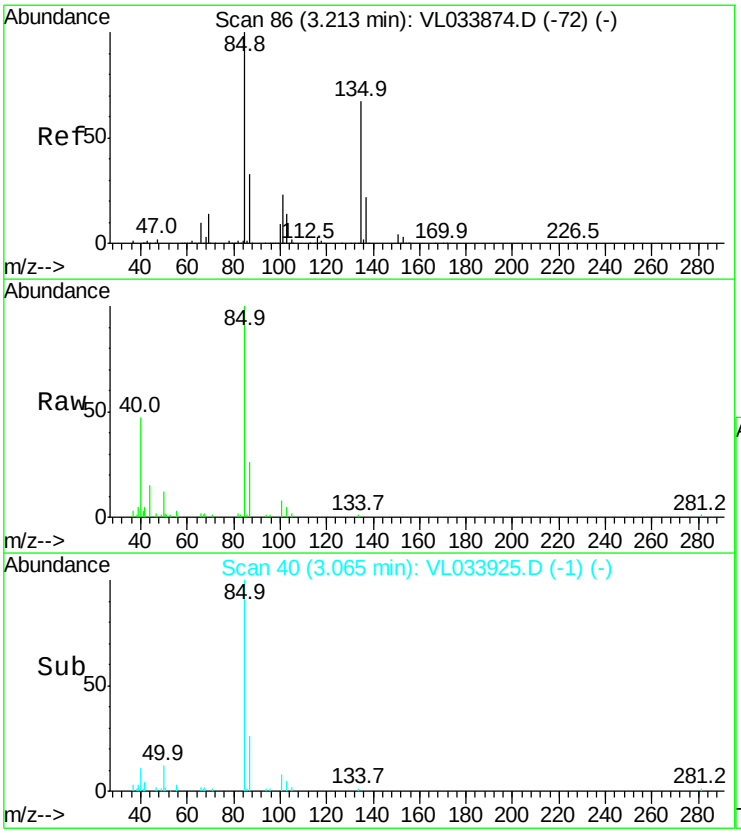
#3
Chlorodifluoromethane
Concen: 0.087 ppbv
RT: 2.98 min Scan# 14
Delta R.T. -0.03 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Instrument :
MSVOA_L
ClientSampleId :
V2DL

Tgt Ion: 51 Resp: 10460

Ion	Ratio	Lower	Upper
51	100		
67	16.0	16.4	24.6#

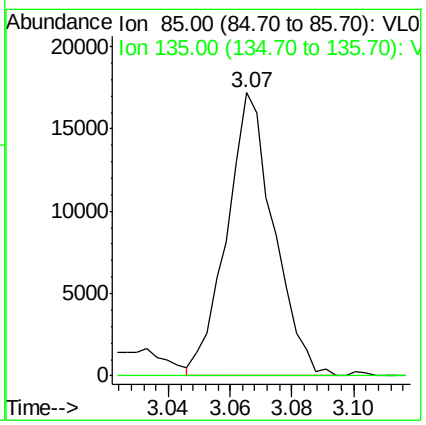


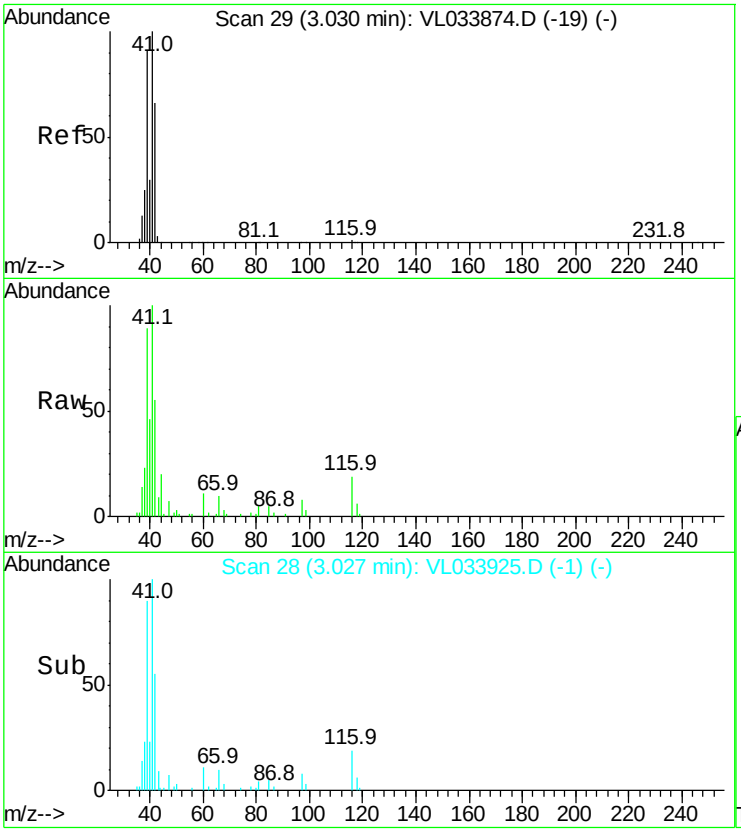


#8
Dichlorotetrafluoroethane
Concen: 0.103 ppbv
RT: 3.07 min Scan# 40
Delta R.T. -0.15 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Tgt Ion: 85 Resp: 18136

Ion	Ratio	Lower	Upper
85	100		
135	1.4	53.7	80.5#



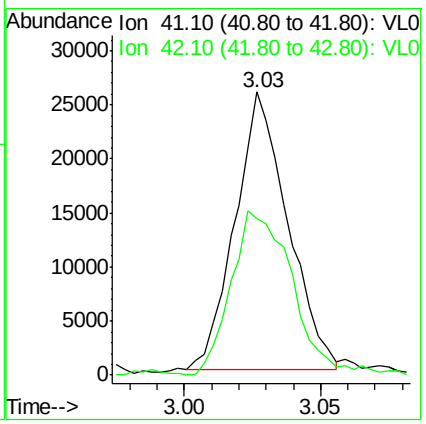


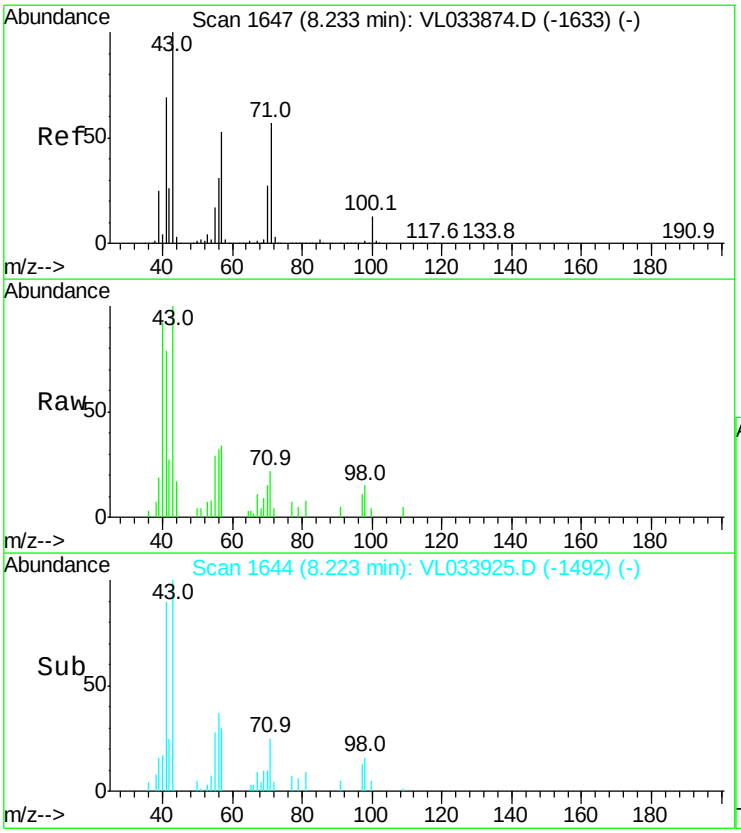
#9
Propene
Concen: 0.769 ppbv
RT: 3.03 min Scan# 28
Delta R.T. -0.00 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Instrument :
MSVOA_L
ClientSampleId :
V2DL

Tgt Ion: 41 Resp: 34436

Ion	Ratio	Lower	Upper
41	100		
42	70.5	56.3	84.5

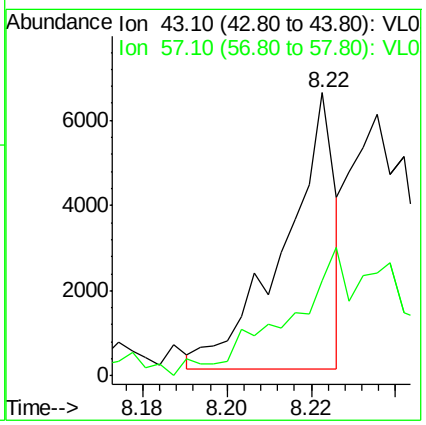


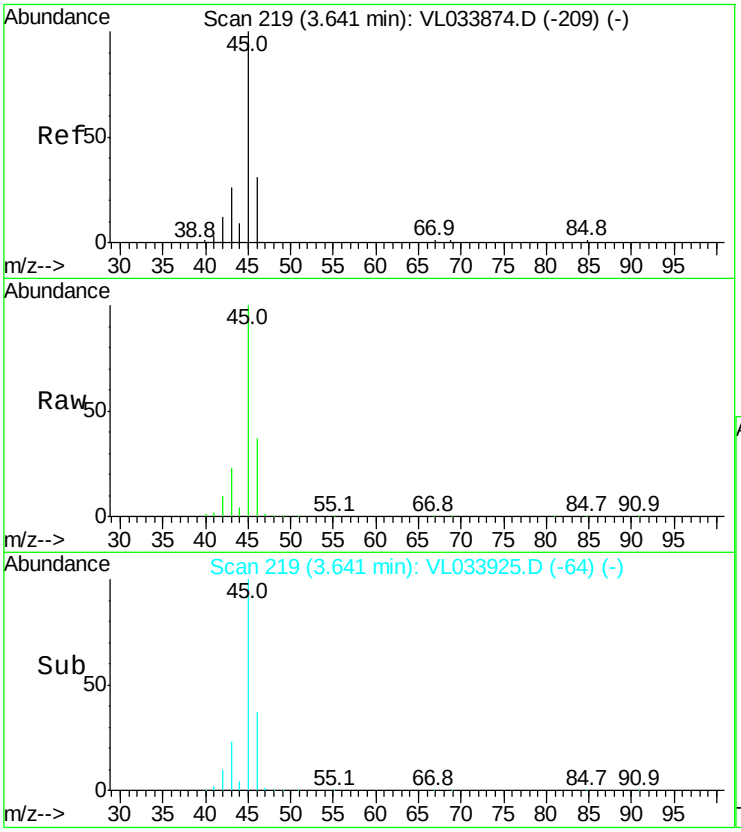


#10
Heptane
Concen: 0.048 ppbv
RT: 8.22 min Scan# 1644
Delta R.T. -0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Tgt Ion: 43 Resp: 5393

Ion	Ratio	Lower	Upper
43	100		
57	121.6	41.7	62.5#



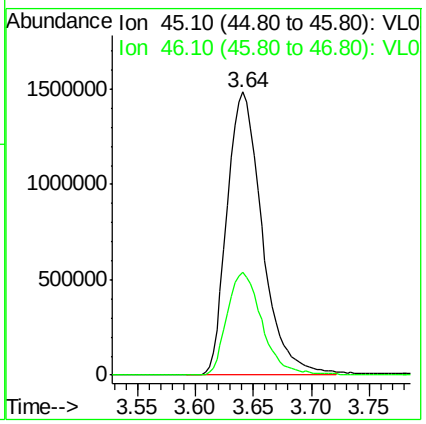


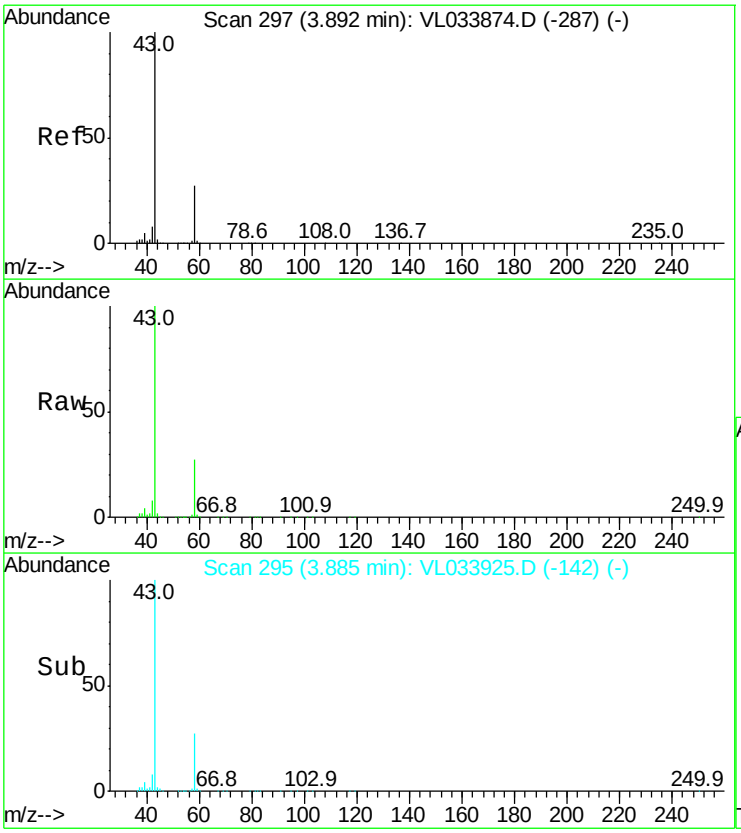
#13
Ethanol
Concen: 214.289 ppbv
RT: 3.64 min Scan# 219
Delta R.T. -0.00 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Instrument :
MSVOA_L
ClientSampleId :
V2DL

Tgt Ion: 45 Resp: 3120389

Ion	Ratio	Lower	Upper
45	100		
46	36.6	15.3	61.1

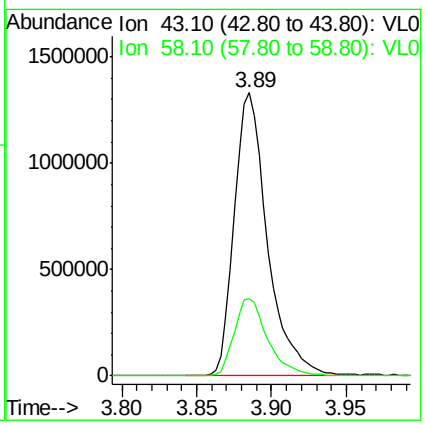


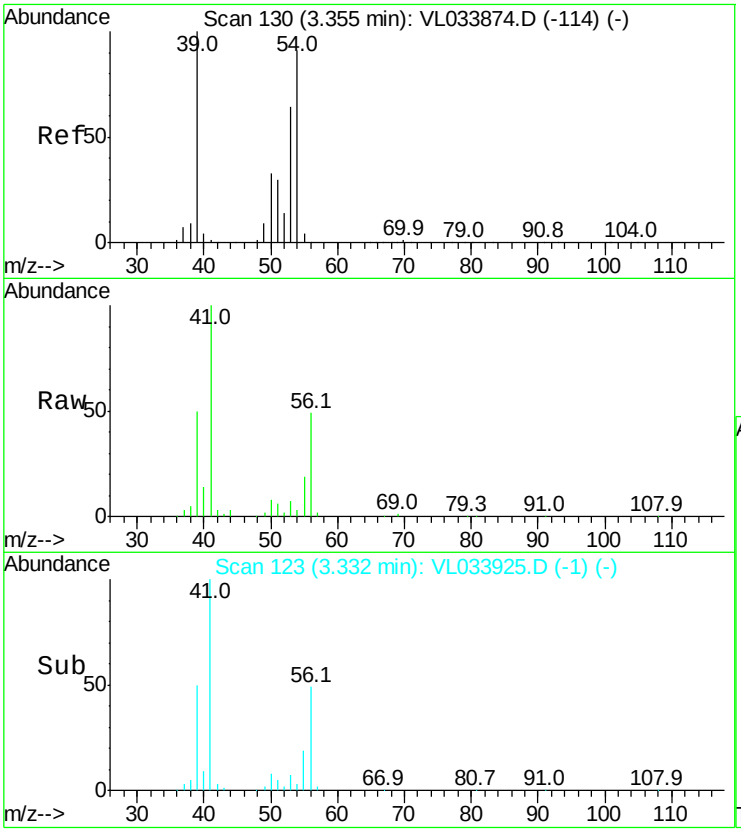


#15
Acetone
Concen: 13.859 ppbv
RT: 3.89 min Scan# 295
Delta R.T. -0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Tgt Ion: 43 Resp: 2053620

Ion	Ratio	Lower	Upper
43	100		
58	27.8	21.3	31.9



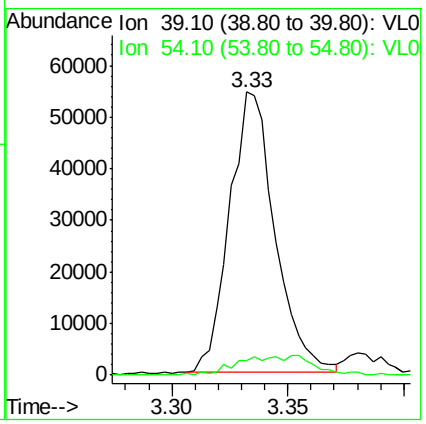


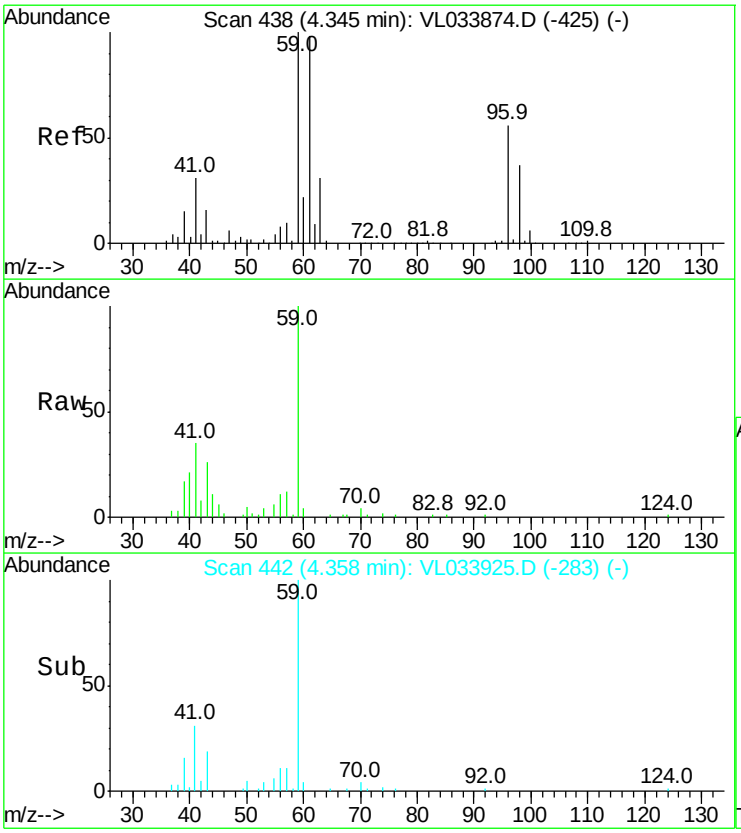
#16
1,3-Butadiene
Concen: 1.311 ppbv
RT: 3.33 min Scan# 123
Delta R.T. -0.02 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Instrument : MSVOA_L
ClientSampleId : V2DL

Tgt Ion: 39 Resp: 73927

Ion	Ratio	Lower	Upper
39	100		
54	11.7	68.6	103.0#

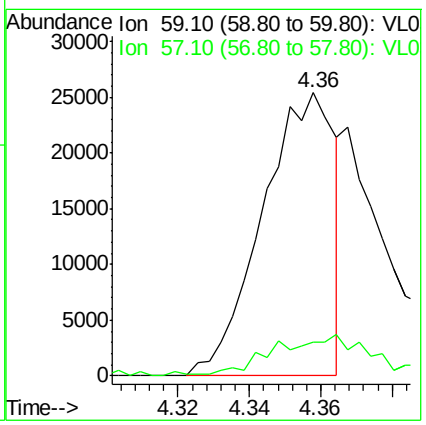


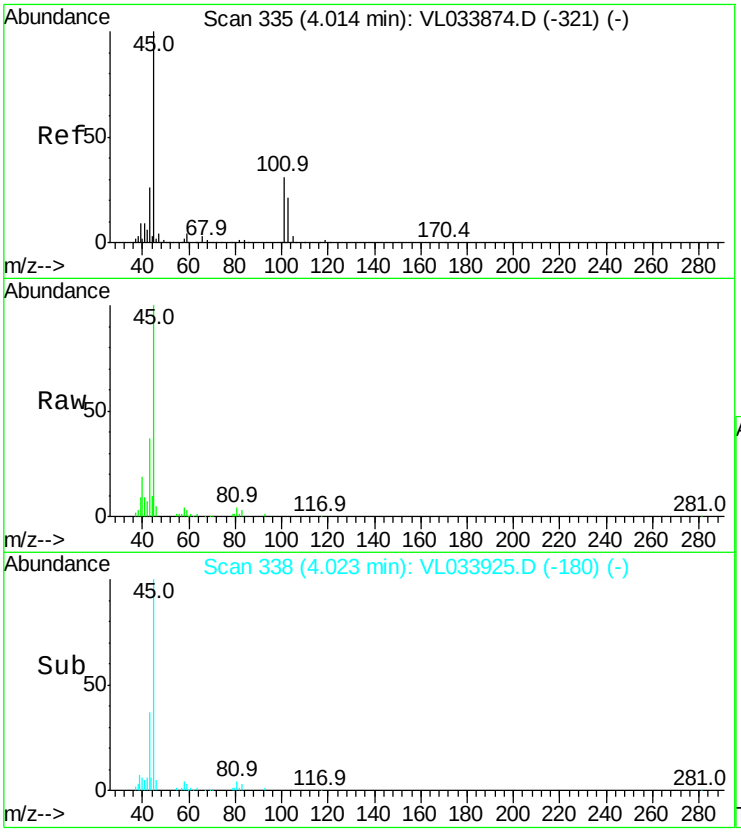


#17
tert-Butyl alcohol
Concen: 0.307 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Tgt Ion: 59 Resp: 35568

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#



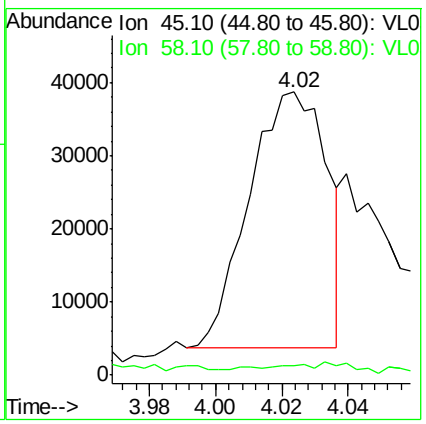


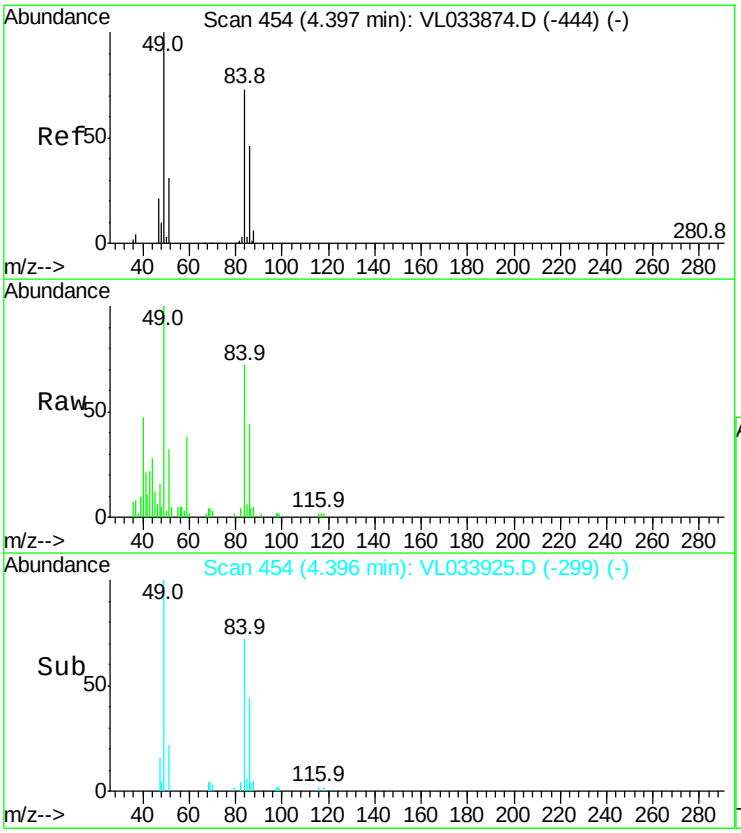
#19
Isopropyl Alcohol
Concen: 0.677 ppbv
RT: 4.02 min Scan# 338
Delta R.T. 0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Instrument : MSVOA_L
ClientSampleId : V2DL

Tgt Ion: 45 Resp: 57347

Ion	Ratio	Lower	Upper
45	100		
58	995.9	1.8	2.6#

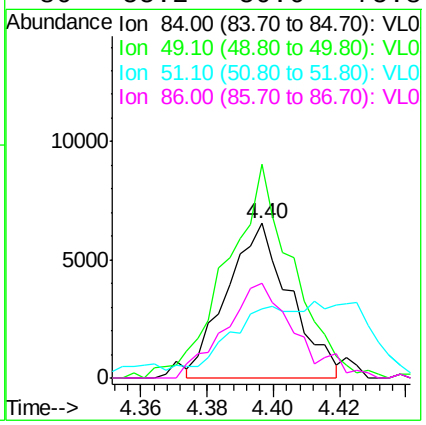


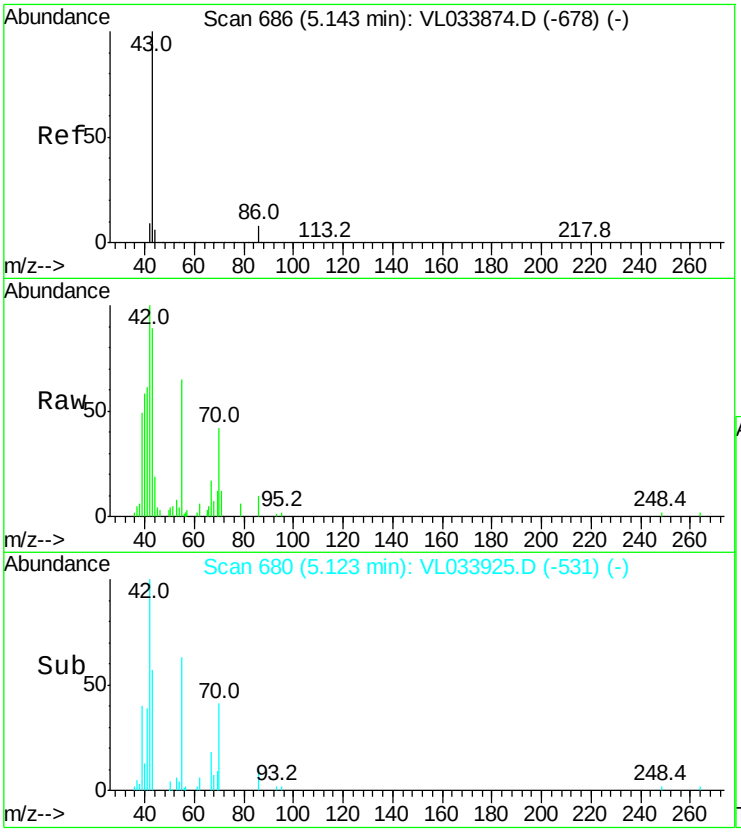


#20
Methylene Chloride
Concen: 0.150 ppbv
RT: 4.40 min Scan# 454
Delta R.T. -0.00 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Tgt Ion: 84 Resp: 8658

Ion	Ratio	Lower	Upper
84	100		
49	127.2	110.0	165.0
51	39.9	34.6	51.8
86	55.2	50.6	75.8



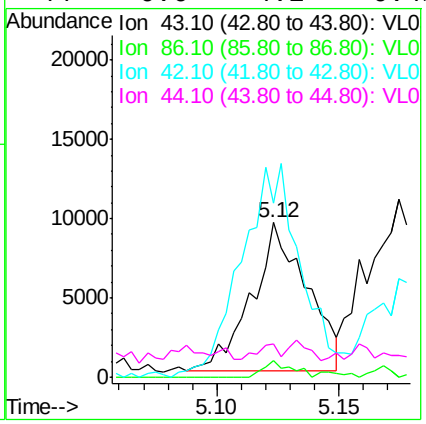


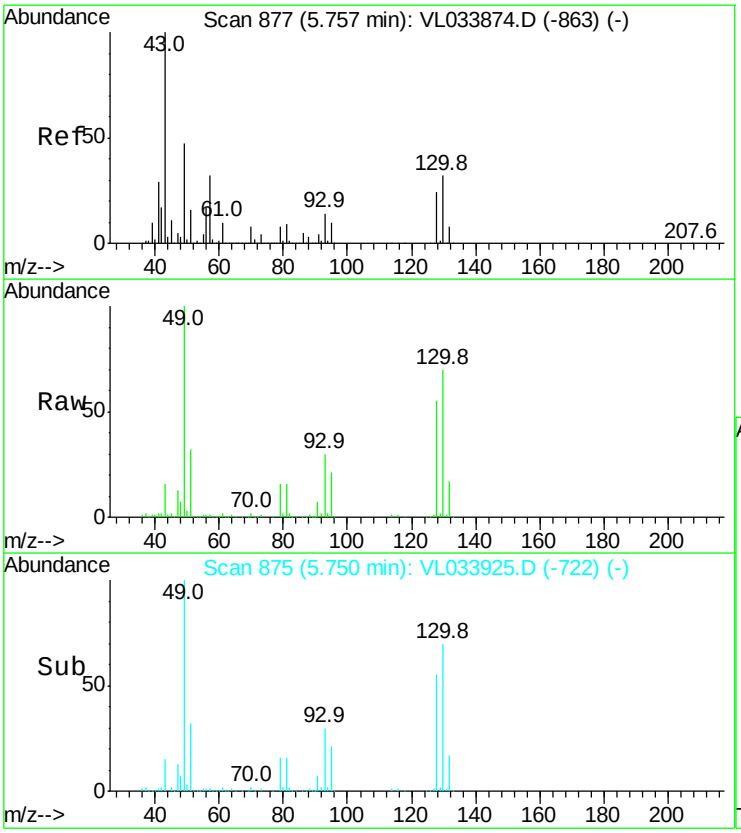
#23
Vinyl Acetate
Concen: 0.085 ppbv
RT: 5.12 min Scan# 680
Delta R.T. -0.02 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Instrument : MSVOA_L
ClientSampleId : V2DL

Tgt Ion: 43 Resp: 14635

Ion	Ratio	Lower	Upper
43	100		
86	11.2	5.8	8.8#
42	113.9	7.8	11.8#
44	6.6	4.2	6.4#

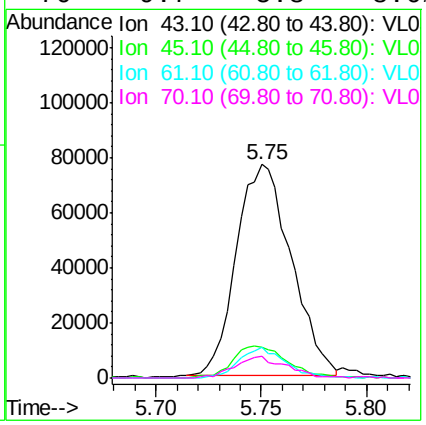


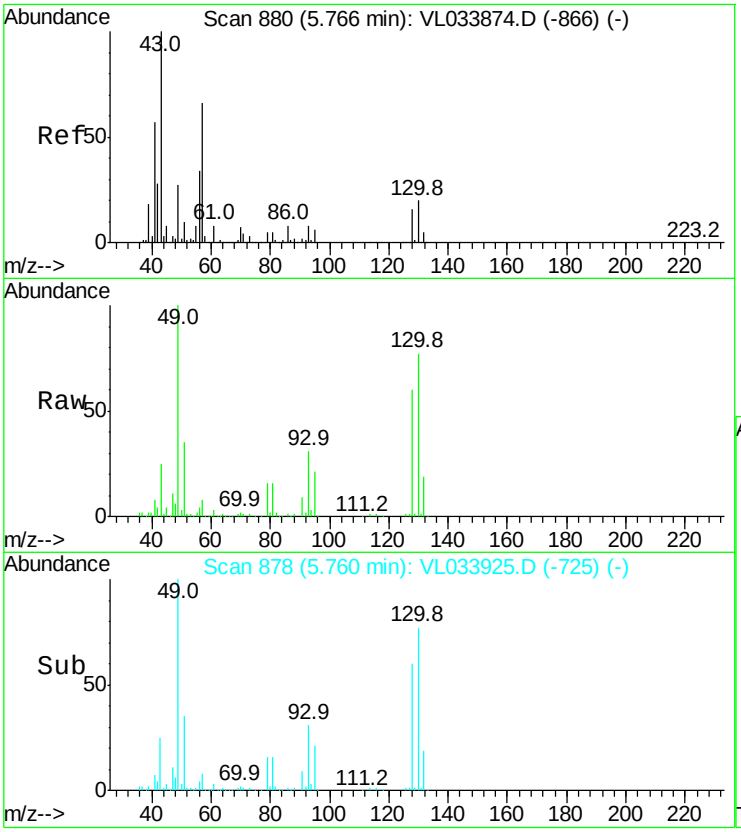


#25
Ethyl Acetate
Concen: 0.618 ppbv
RT: 5.75 min Scan# 875
Delta R.T. -0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Tgt Ion: 43 Resp: 139392

Ion	Ratio	Lower	Upper
43	100		
45	15.4	7.9	11.9#
61	12.3	7.8	11.6#
70	9.7	5.8	8.6#



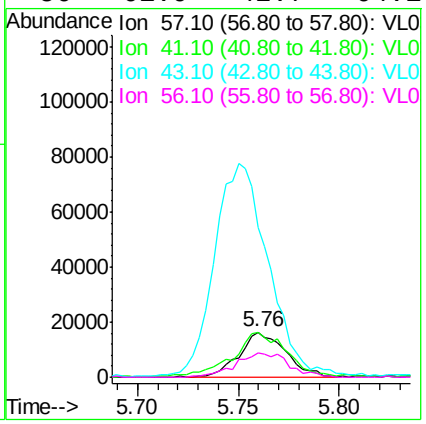


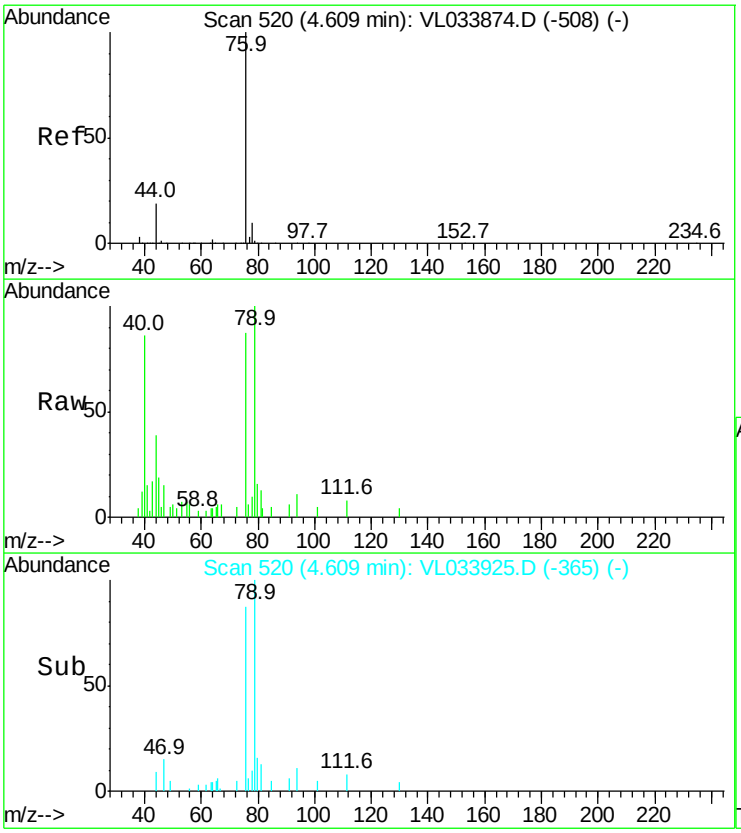
#26
Hexane
Concen: 0.259 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Instrument : MSVOA_L
ClientSampleId : V2DL

Tgt Ion: 57 Resp: 26579

Ion	Ratio	Lower	Upper
57	100		
41	120.5	71.4	107.2#
43	546.3	183.7	275.5#
56	61.9	42.7	64.1

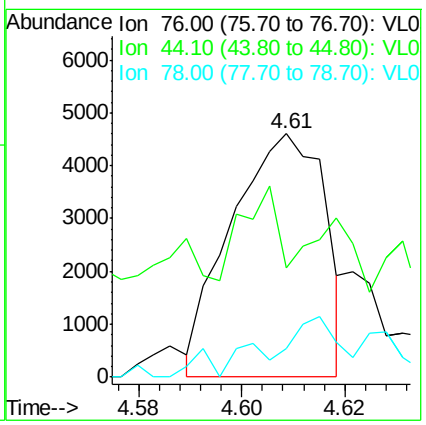


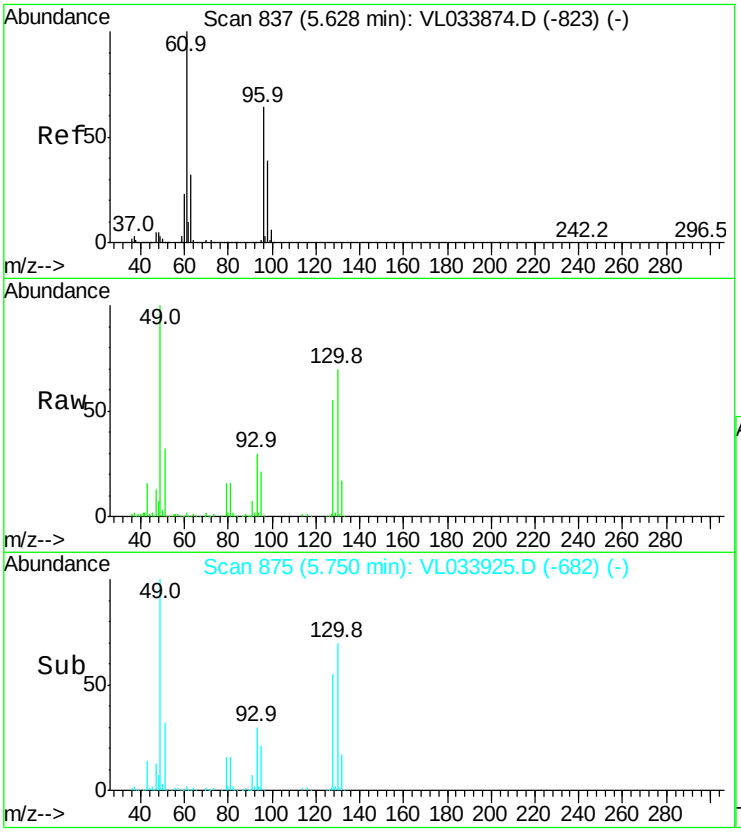


#27
Carbon Disulfide
Concen: 0.041 ppbv
RT: 4.61 min Scan# 520
Delta R.T. -0.00 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Tgt Ion: 76 Resp: 5804

Ion	Ratio	Lower	Upper
76	100		
44	60.4	14.4	21.6#
78	0.0	7.5	11.3#



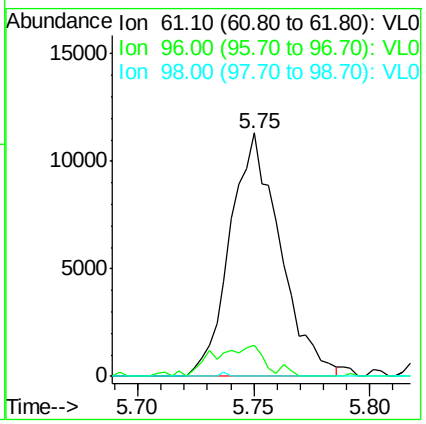


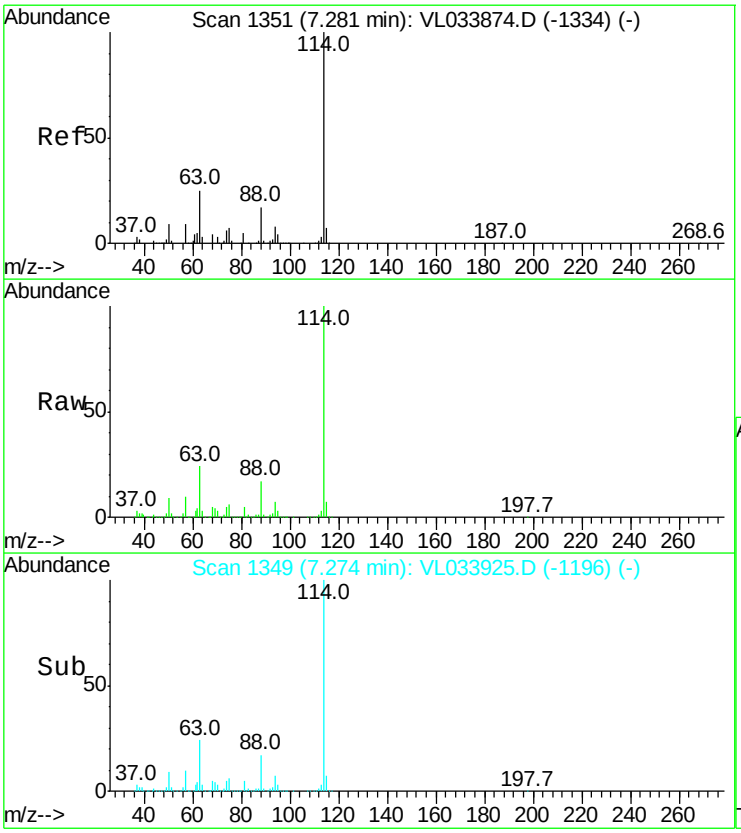
#31
cis-1,2-Dichloroethene
Concen: 0.188 ppbv
RT: 5.75 min Scan# 875
Delta R.T. 0.12 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Instrument : MSVOA_L
ClientSampleId : V2DL

Tgt Ion: 61 Resp: 16947

Ion	Ratio	Lower	Upper
61	100		
96	13.0	50.9	76.3#
98	0.0	31.4	47.2#

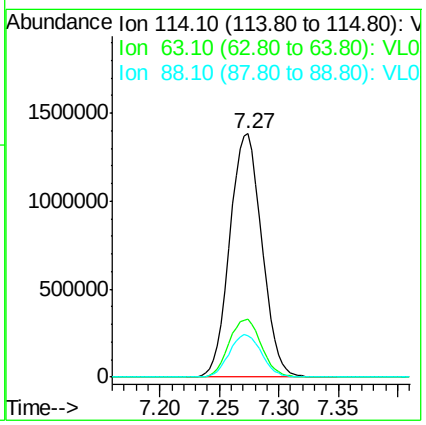


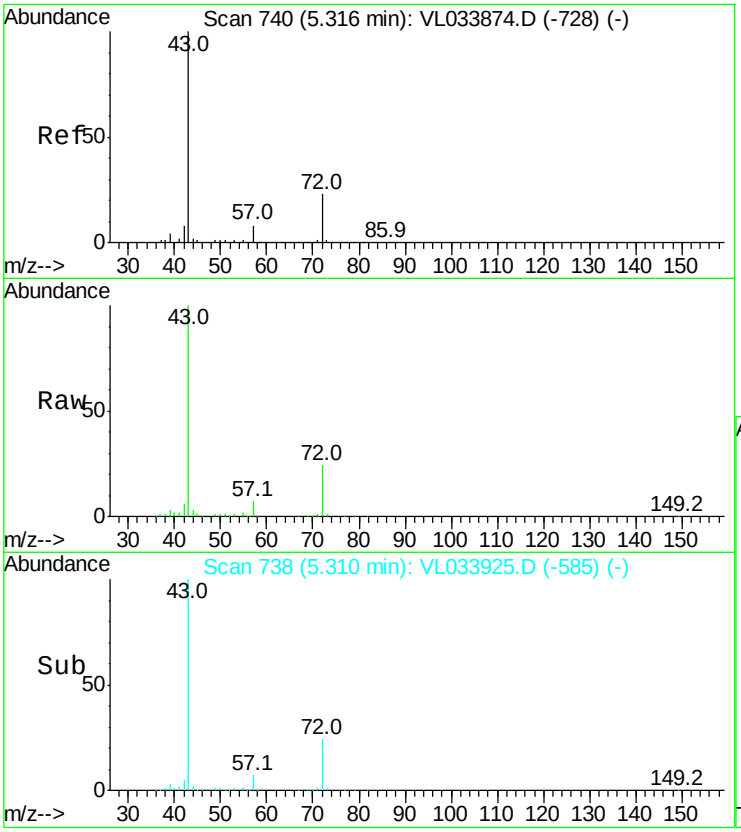


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.27 min Scan# 1349
Delta R.T. -0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Tgt Ion:114 Resp: 2593760

Ion	Ratio	Lower	Upper
114	100		
63	24.1	21.1	31.7
88	17.6	14.2	21.4



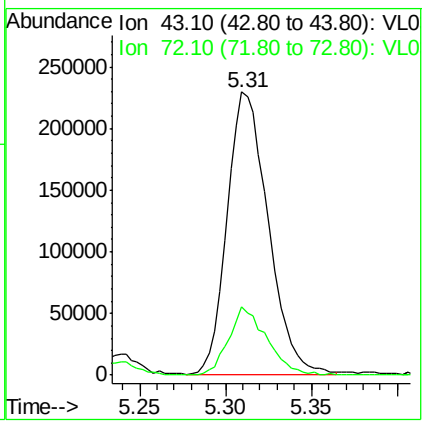


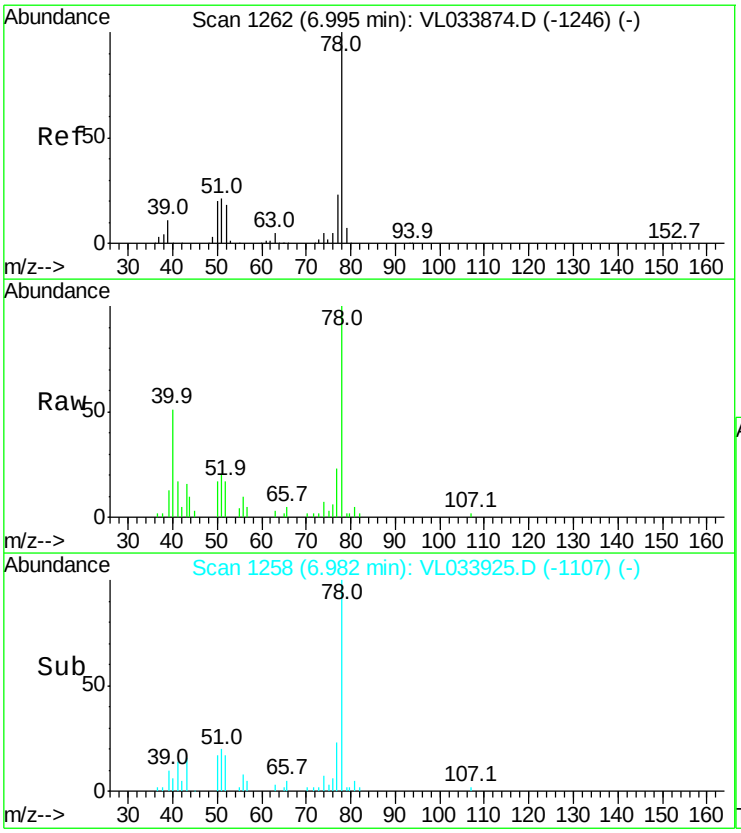
#34
2-Butanone
Concen: 2.602 ppbv
RT: 5.31 min Scan# 738
Delta R.T. -0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Instrument :
MSVOA_L
ClientSampleId :
V2DL

Tgt Ion: 43 Resp: 380790

Ion	Ratio	Lower	Upper
43	100		
72	22.7	17.9	26.9

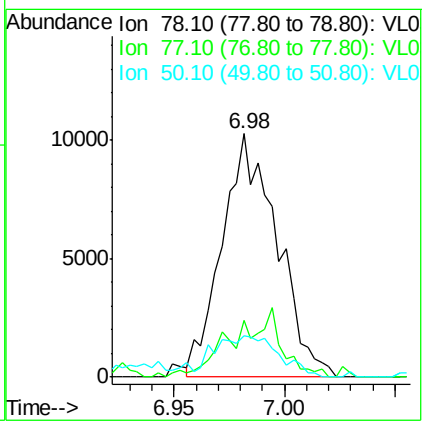


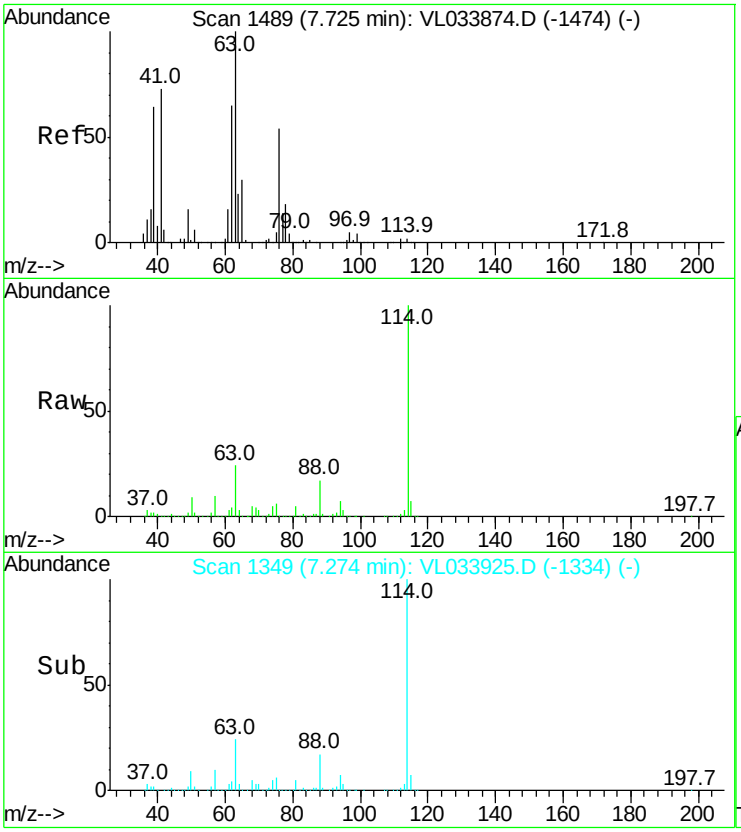


#36
Benzene
Concen: 0.090 ppbv
RT: 6.98 min Scan# 1258
Delta R.T. -0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Tgt Ion: 78 Resp: 17755

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.2	27.2
50	16.8	15.9	23.9



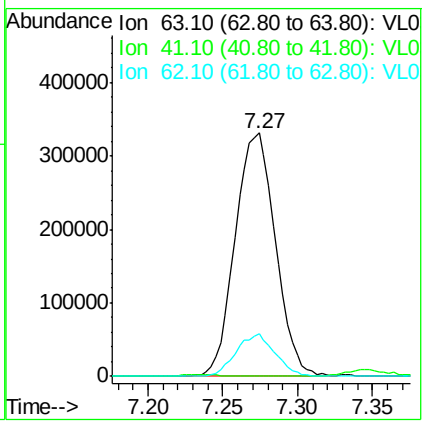


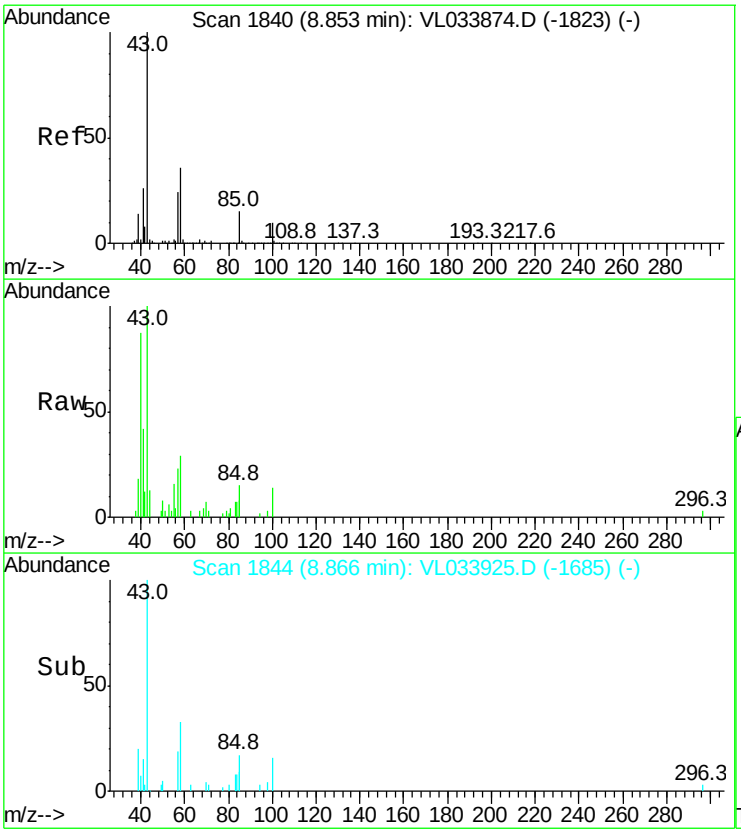
#39
1,2-Dichloropropane
Concen: 8.093 ppbv
RT: 7.27 min Scan# 1349
Delta R.T. -0.45 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Instrument : MSVOA_L
ClientSampleId : V2DL

Tgt Ion: 63 Resp: 618897

Ion	Ratio	Lower	Upper
63	100		
41	0.0	58.7	88.1#
62	17.8	51.9	77.9#

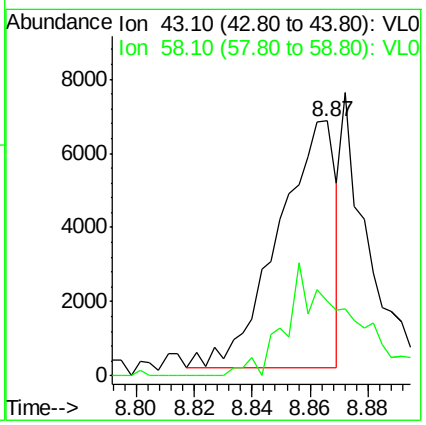


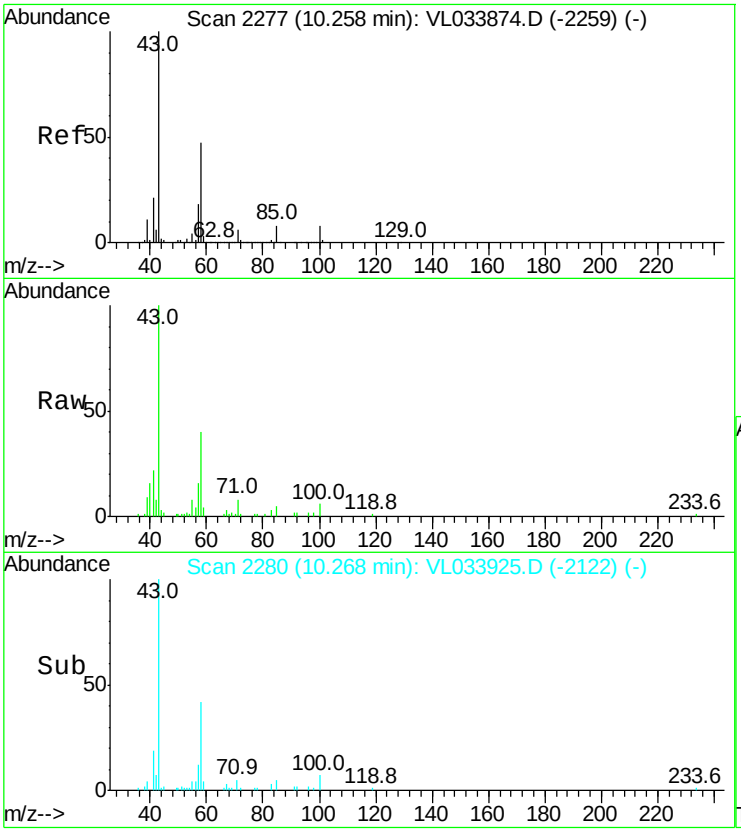


#50
4-Methyl-2-Pentanone
Concen: 0.042 ppbv
RT: 8.87 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Tgt Ion: 43 Resp: 9180

Ion	Ratio	Lower	Upper
43	100		
58	50.5	28.6	42.8#



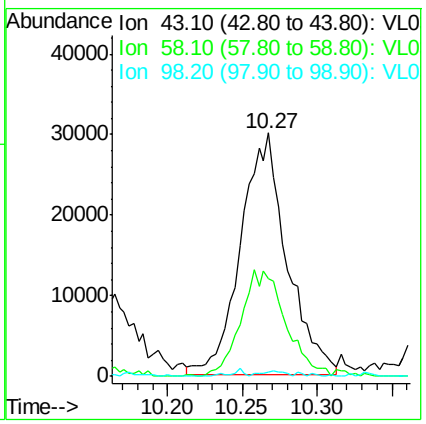


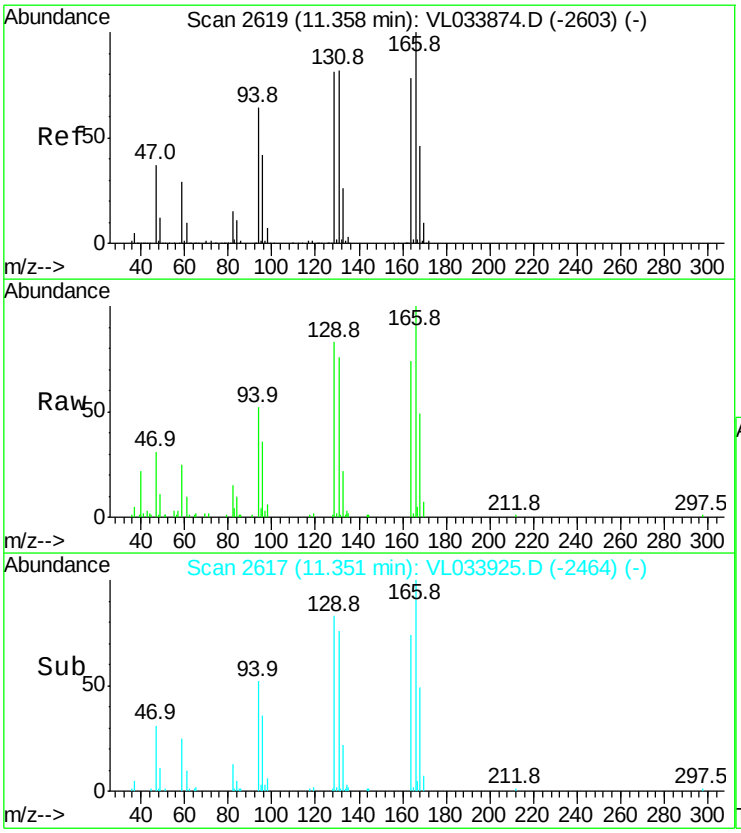
#51
2-Hexanone
Concen: 0.378 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. 0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Instrument : MSVOA_L
ClientSampleId : V2DL

Tgt Ion: 43 Resp: 64395

Ion	Ratio	Lower	Upper
43	100		
58	43.5	38.2	57.4
98	2.5	0.2	0.2#

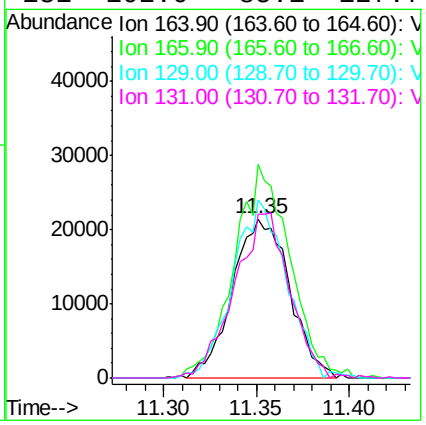


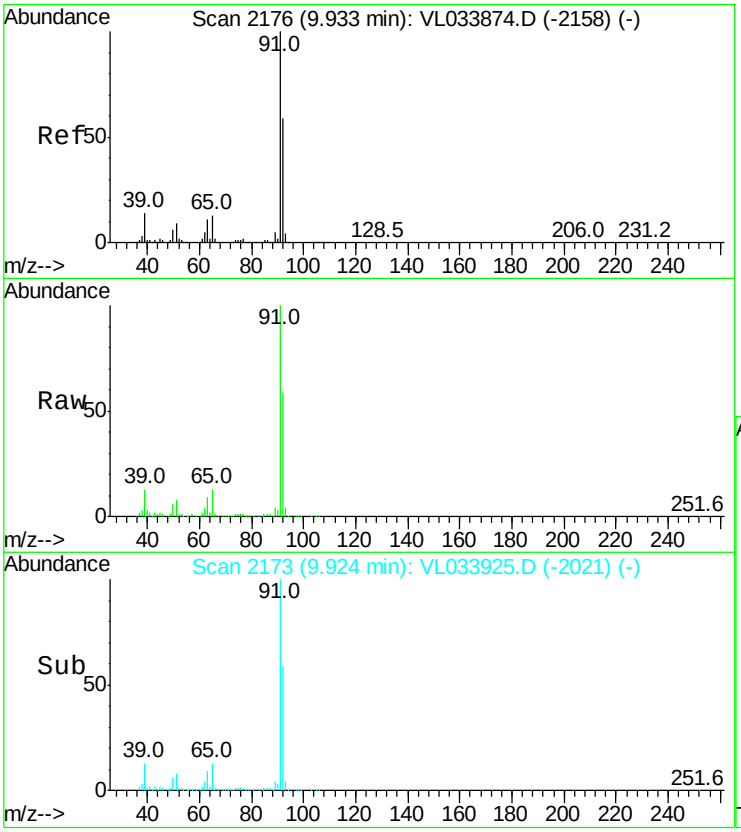


#52
Tetrachloroethene
Concen: 0.659 ppbv
RT: 11.35 min Scan# 2617
Delta R.T. -0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Tgt Ion:164 Resp: 45941

Ion	Ratio	Lower	Upper
164	100		
166	129.9	103.1	154.7
129	111.6	83.9	125.9
131	102.0	85.1	127.7



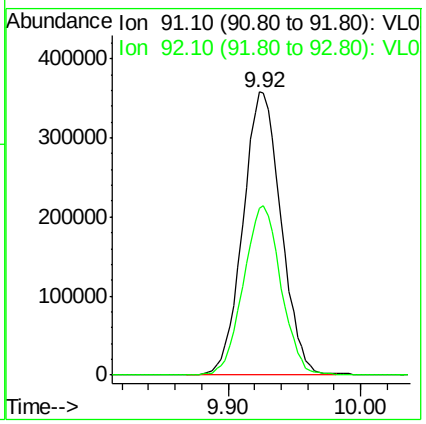


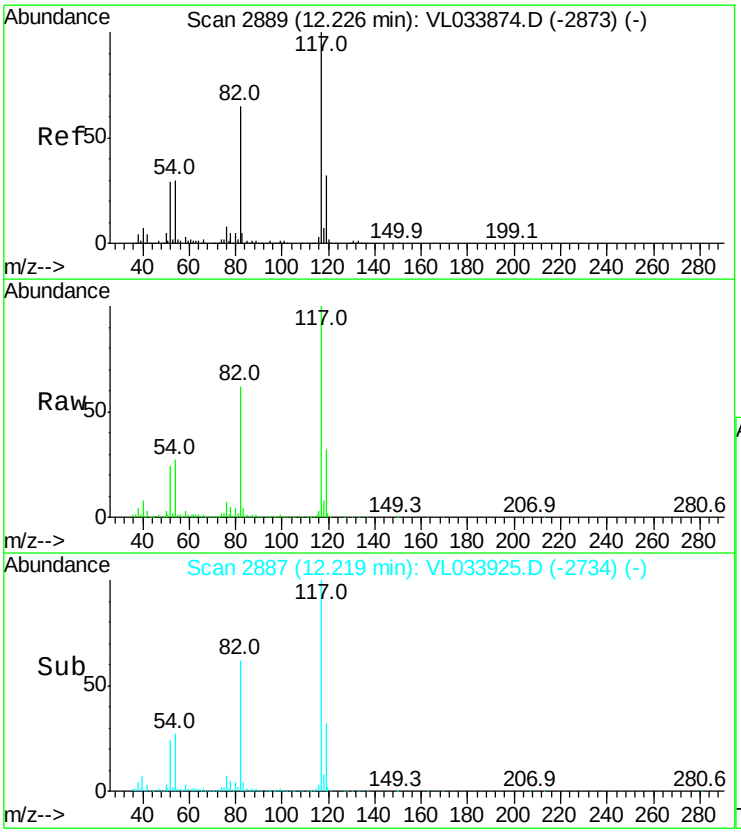
#53
Toluene
Concen: 3.254 ppbv
RT: 9.92 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Instrument :
MSVOA_L
ClientSampleId :
V2DL

Tgt Ion: 91 Resp: 713504

Ion	Ratio	Lower	Upper
91	100		
92	59.3	47.0	70.6

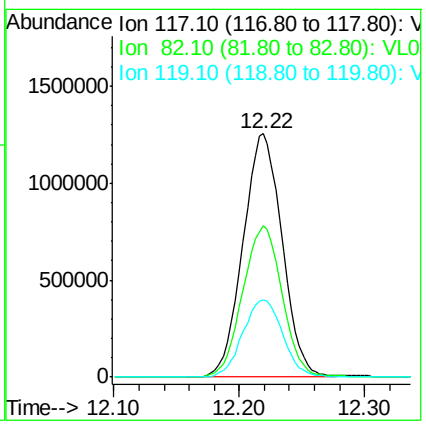


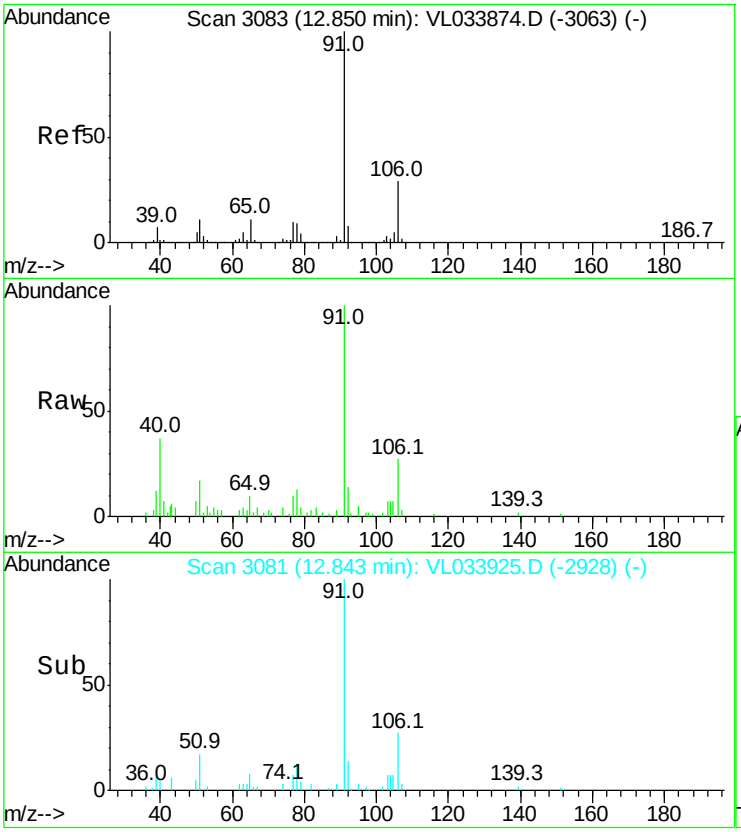


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.22 min Scan# 2887
Delta R.T. -0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Tgt Ion:117 Resp: 2726622

Ion	Ratio	Lower	Upper
117	100		
82	63.0	50.2	75.2
119	32.5	24.8	37.2



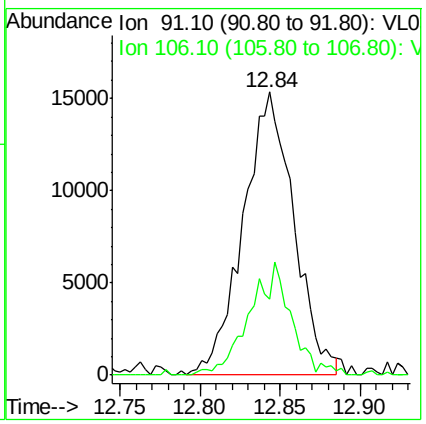


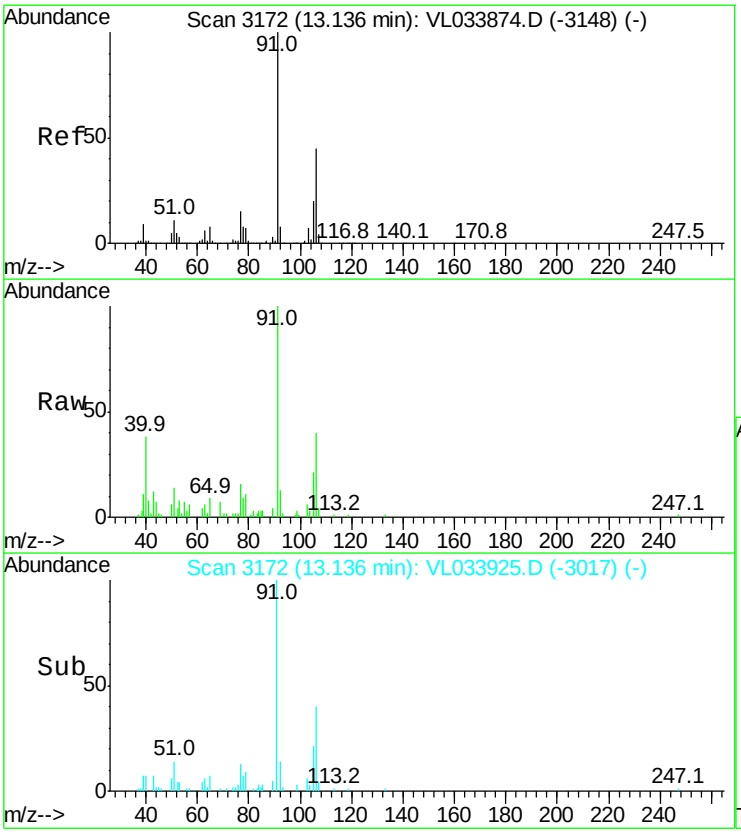
#58
Ethyl Benzene
Concen: 0.109 ppbv
RT: 12.84 min Scan# 3081
Delta R.T. -0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Instrument : MSVOA_L
ClientSampleId : V2DL

Tgt Ion: 91 Resp: 33446

Ion	Ratio	Lower	Upper
91	100		
106	26.8	23.0	34.6

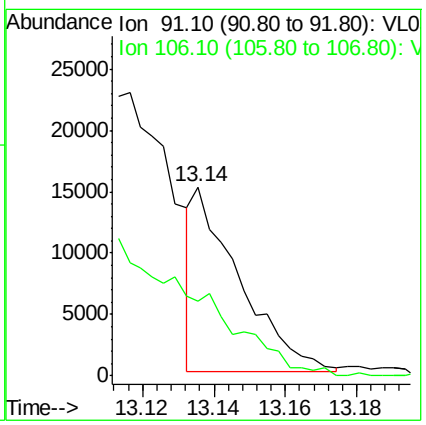


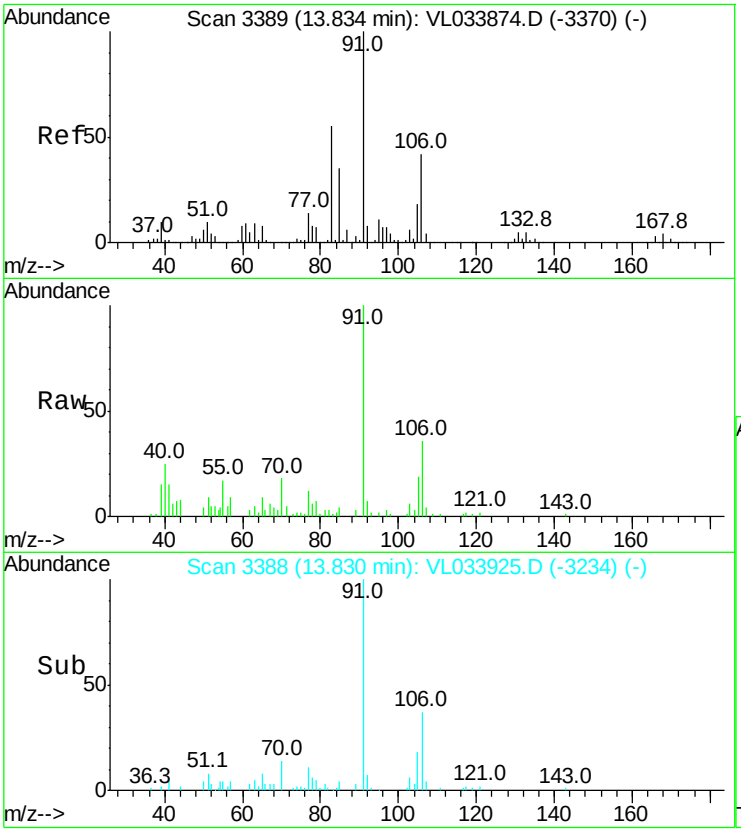


#59
m/p-Xylene
Concen: 0.048 ppbv
RT: 13.14 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Tgt Ion: 91 Resp: 13480

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.8	53.8#



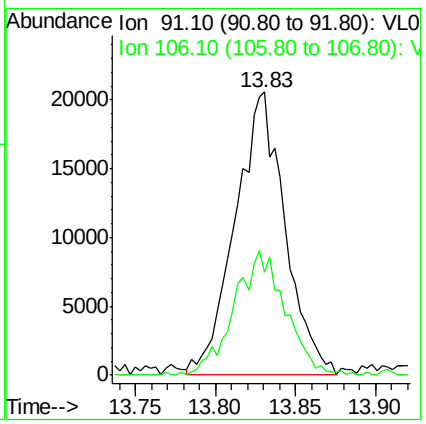


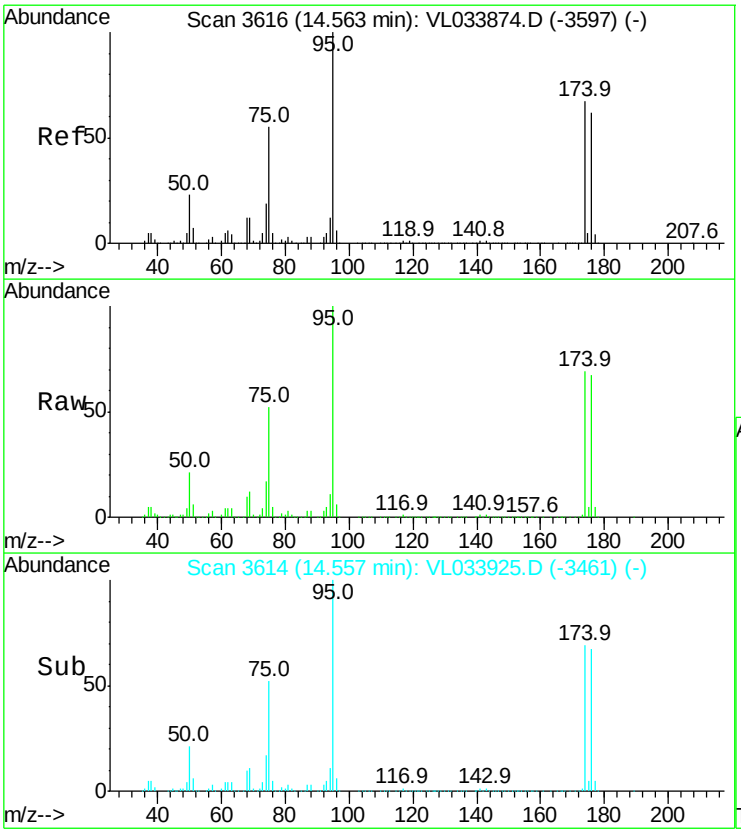
#60
o-Xylene
Concen: 0.153 ppbv
RT: 13.83 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Instrument : MSVOA_L
ClientSampleId : V2DL

Tgt Ion: 91 Resp: 44059

Ion	Ratio	Lower	Upper
91	100		
106	45.5	21.7	65.1

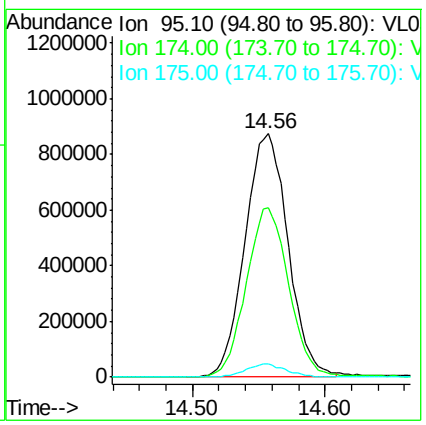


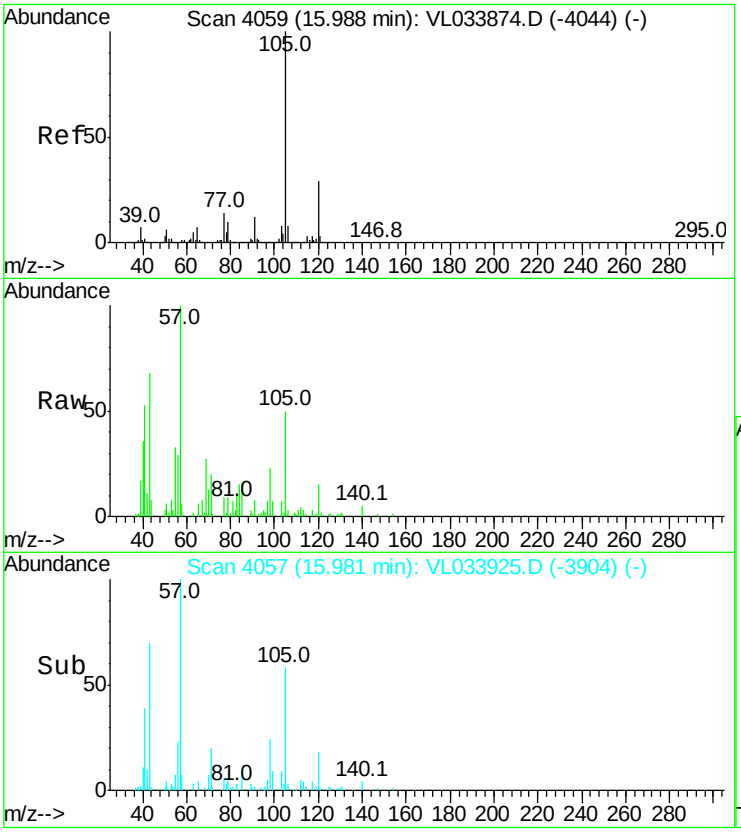


#68
1-Bromo-4-Fluorobenzene
Concen: 8.862 ppbv
RT: 14.56 min Scan# 3614
Delta R.T. -0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Tgt Ion: 95 Resp: 1984707

Ion	Ratio	Lower	Upper
95	100		
174	69.5	54.0	81.0
175	5.1	3.8	5.8



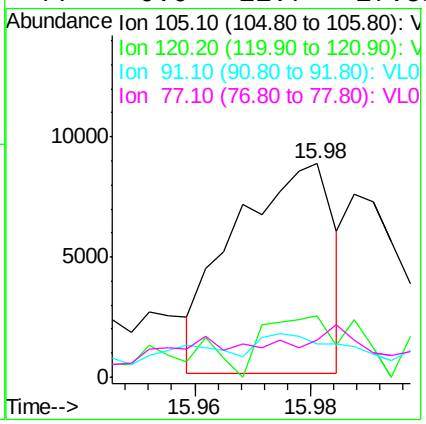


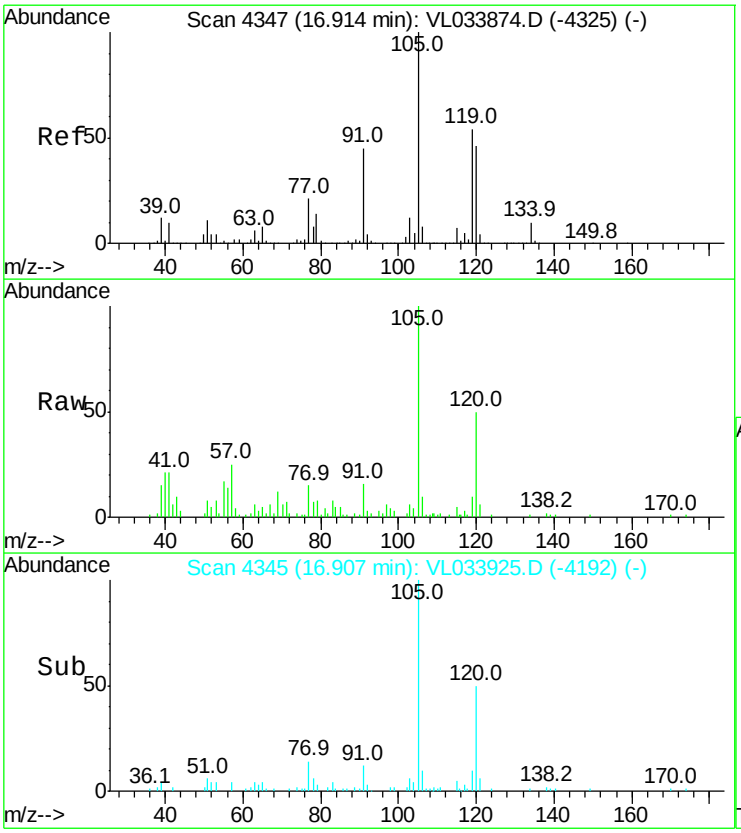
#72
4-Ethyltoluene
Concen: 0.032 ppbv
RT: 15.98 min Scan# 4057
Delta R.T. -0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Instrument : MSVOA_L
ClientSampleId : V2DL

Tgt Ion:105 Resp: 10352

Ion	Ratio	Lower	Upper
105	100		
120	48.9	23.5	35.3#
91	66.3	10.4	15.6#
77	0.0	11.7	17.5#





#74
1,2,4-Trimethylbenzene
Concen: 0.080 ppbv
RT: 16.91 min Scan# 4345
Delta R.T. -0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Tgt Ion:105 Resp: 29969

Ion	Ratio	Lower	Upper
105	100		
120	56.7	36.7	55.1#
91	14.6	35.8	53.8#
77	12.8	16.9	25.3#