Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022222\
Data File : VL038393.D
Acq On : 22 Feb 2022 17:42
Operator : SY/AP
Sample : N1607-05 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : MP-11

Quant Time: Feb 23 07:04:58 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 22 19:45:51 2022
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration

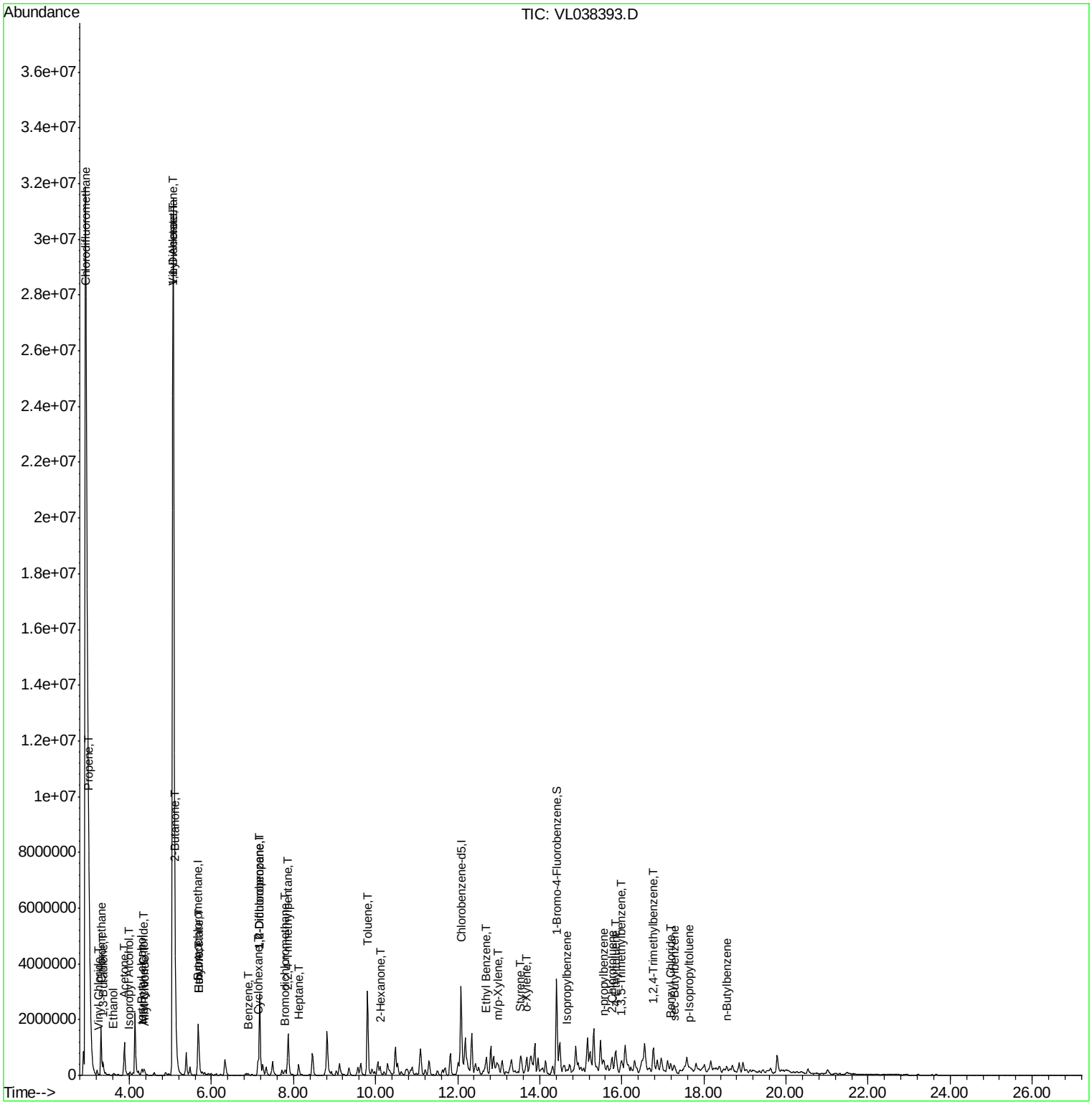
Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	960987	10.00	ppbv		0.02
33) 1,4-Difluorobenzene	7.18	114	2282956	10.00	ppbv		0.02
55) Chlorobenzene-d5	12.08	117	2125050	10.00	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	1819404	10.35	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.50%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	2.93	51	16205500	95.50	ppbv	#	59
4) Chloromethane	3.31	50	72387	1.23	ppbv	#	77
5) Vinyl Chloride	3.27	62	5533	0.09	ppbv	#	77
9) Propene	3.02	41	135736	2.42	ppbv		98
10) Heptane	8.13	43	181114	1.33	ppbv		96
13) Ethanol	3.61	45	101229	18.10	ppbv		96
15) Acetone	3.88	43	690229	8.45	ppbv	#	67
16) 1,3-Butadiene	3.36	39	65393	1.20	ppbv	#	12
17) tert-Butyl alcohol	4.30	59	215946	2.65	ppbv		98
19) Isopropyl Alcohol	3.98	45	50677	1.07	ppbv	#	86
20) Methylene Chloride	4.35	84	76148	1.88	ppbv		97
21) Allyl Chloride	4.37	41	24815	0.36	ppbv	#	57
23) Vinyl Acetate	5.06	43	1581819	14.61	ppbv	#	1
24) 1,1-Dichloroethane	5.07	63	322104	3.31	ppbv	#	89
25) Ethyl Acetate	5.70	43	195613	0.89	ppbv	#	79
26) Hexane	5.70	57	275501	2.77	ppbv	#	42
30) Cyclohexane	7.13	84	194783	2.40	ppbv		91
34) 2-Butanone	5.12	43	413802	5.76	ppbv	#	59
36) Benzene	6.90	78	38999	0.19	ppbv	#	86
39) 1,2-Dichloropropane	7.18	63	598224	7.47	ppbv	#	25
42) Bromodichloromethane	7.80	83	17157	0.10	ppbv	#	24
44) 2,2,4-Trimethylpentane	7.87	57	1302628	3.77	ppbv	#	86
51) 2-Hexanone	10.11	43	159584	2.81	ppbv	#	32
53) Toluene	9.80	91	2361333	10.82	ppbv		99
58) Ethyl Benzene	12.71	91	342091	1.18	ppbv		93
59) m/p-Xylene	12.99	91	54834	0.22	ppbv	#	33
60) o-Xylene	13.69	91	484980	2.06	ppbv		98
61) Styrene	13.52	104	135856	1.25	ppbv		97
62) Isopropylbenzene	14.66	105	95011	0.30	ppbv		100
64) n-propylbenzene	15.55	120	34237	0.44	ppbv		94
66) Benzyl Chloride	17.19	91	8216	0.55	ppbv	#	87
67) sec-Butylbenzene	17.28	105	36550	0.09	ppbv		97
69) p-Isopropyltoluene	17.65	119	29712	0.10	ppbv	#	41
70) n-Butylbenzene	18.56	91	18072	0.06	ppbv	#	33
71) 2-Chlorotoluene	15.76	91	27281	0.11	ppbv		86
72) 4-Ethyltoluene	15.84	105	223550	0.86	ppbv	#	96
73) 1,3,5-Trimethylbenzene	15.99	105	291720	1.24	ppbv		97
74) 1,2,4-Trimethylbenzene	16.76	105	80043	0.32	ppbv	#	66

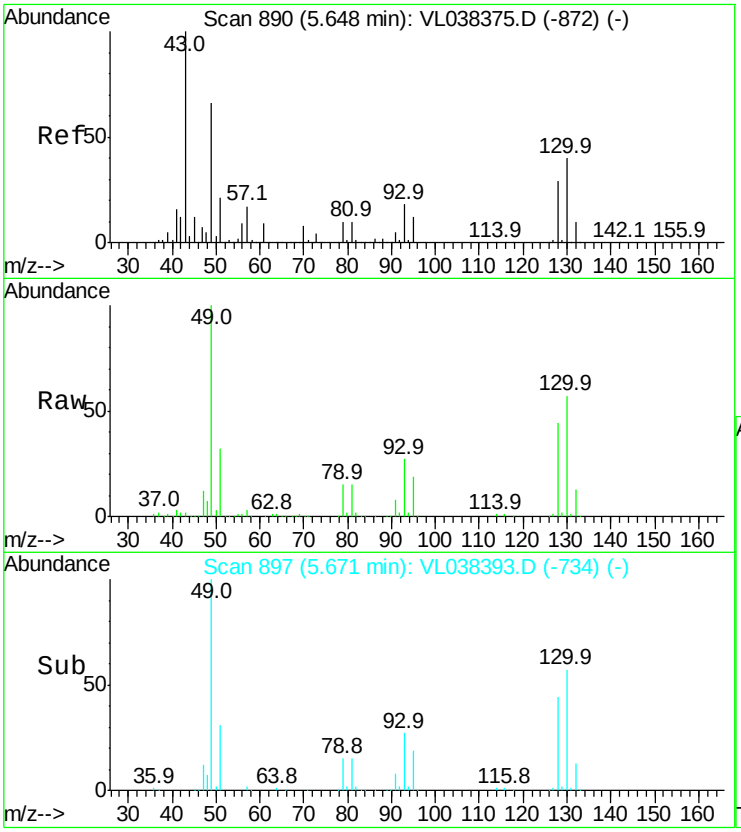
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022222\
Data File : VL038393.D
Acq On : 22 Feb 2022 17:42
Operator : SY/AP
Sample : N1607-05 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Quant Time: Feb 23 07:04:58 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 22 19:45:51 2022
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration



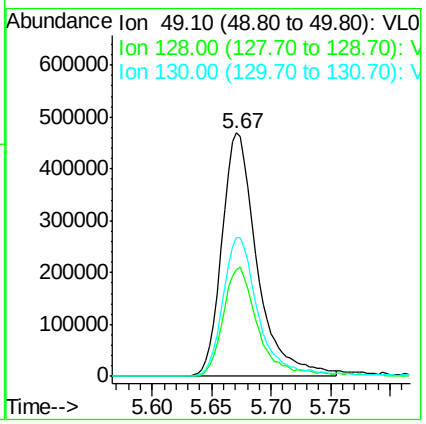


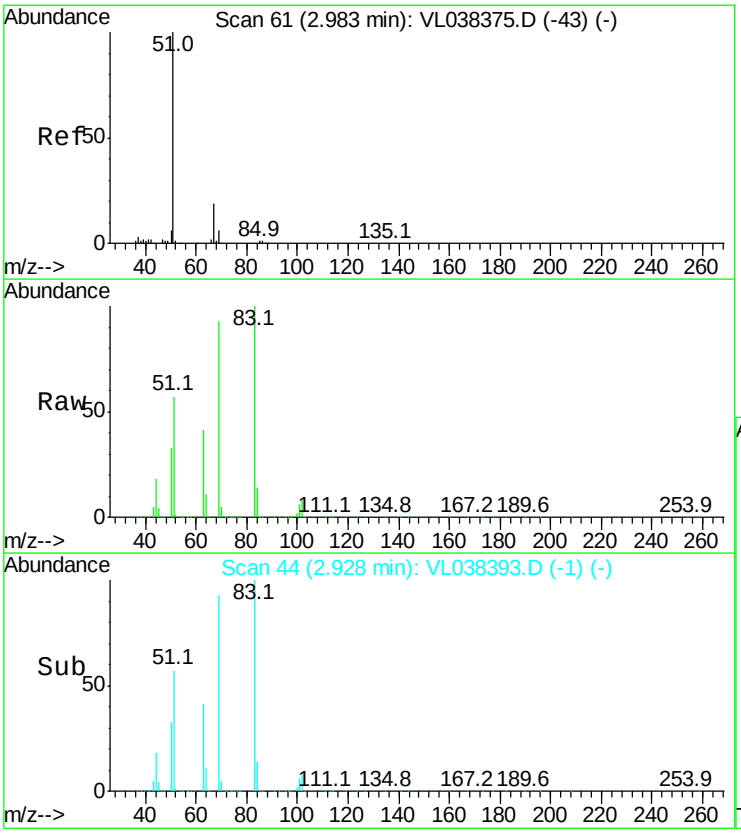
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion: 49 Resp: 960987

Ion	Ratio	Lower	Upper
49	100		
128	45.4	24.3	72.9
130	58.9	30.1	90.5

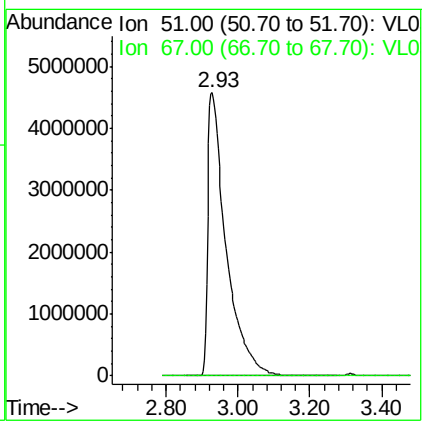


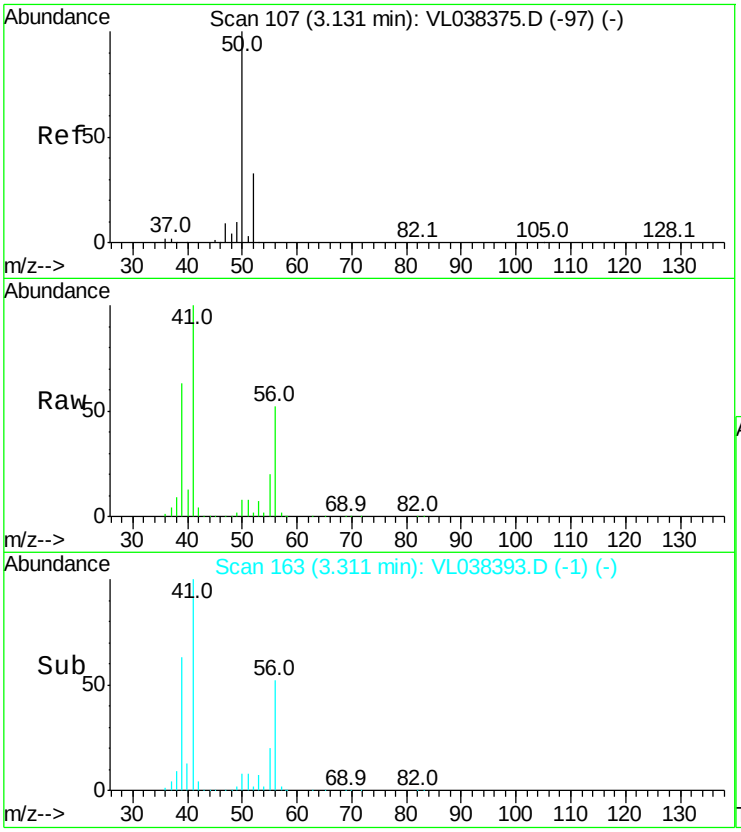


#3
Chlorodifluoromethane
Concen: 95.50 ppbv
RT: 2.93 min Scan# 44
Delta R.T. -0.05 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion: 51 Resp:16205500

Ion	Ratio	Lower	Upper
51	100		
67	0.0	14.7	22.1#



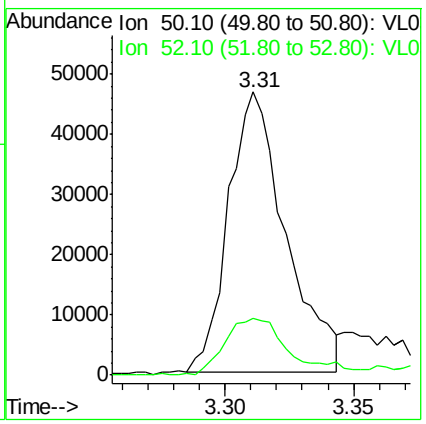


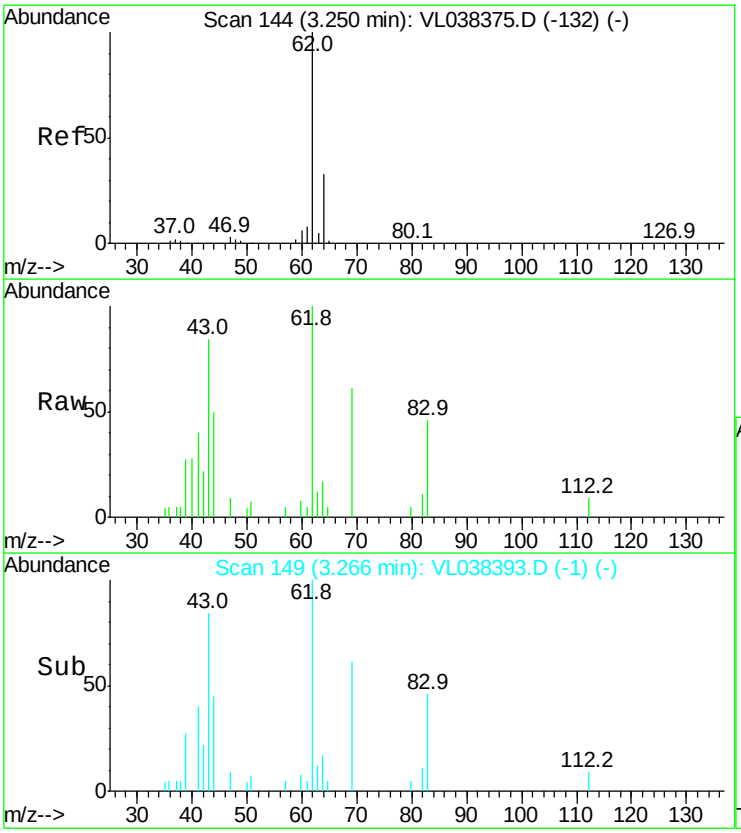
#4
Chloromethane
Concen: 1.23 ppbv
RT: 3.31
Delta R.T
Lab File:
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion: 50 Resp: 72387

Ion	Ratio	Lower	Upper
50	100		
52	19.9	26.5	39.7#

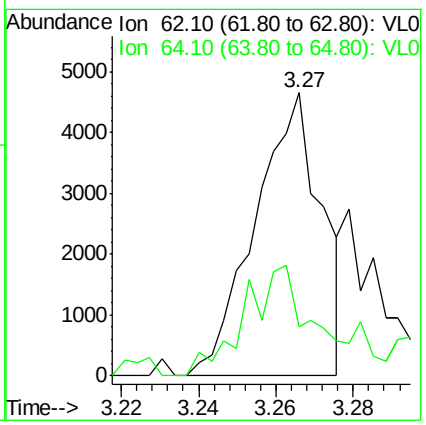


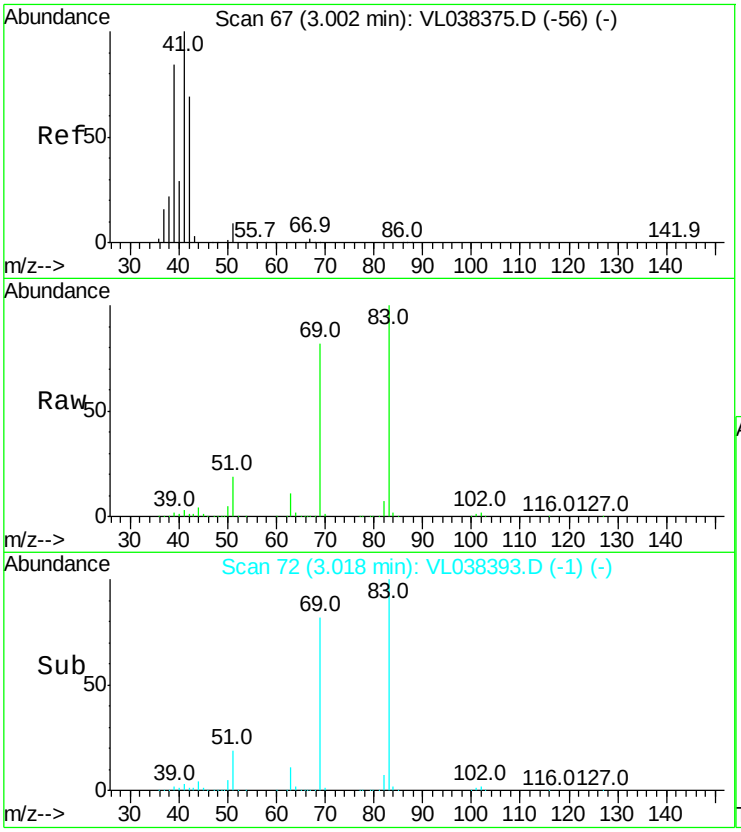


#5
Vinyl Chloride
Concen: 0.09 ppbv
RT: 3.27 min Scan# 149
Delta R.T. 0.02 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion: 62 Resp: 5533

Ion	Ratio	Lower	Upper
62	100		
64	19.8	26.2	39.2#



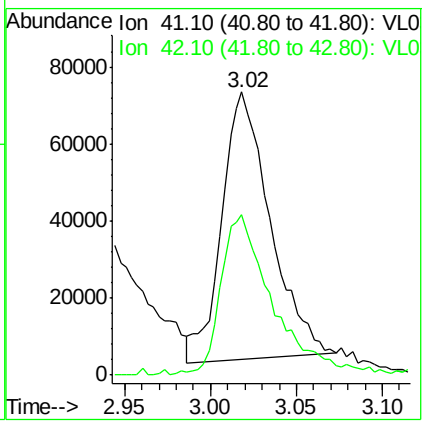


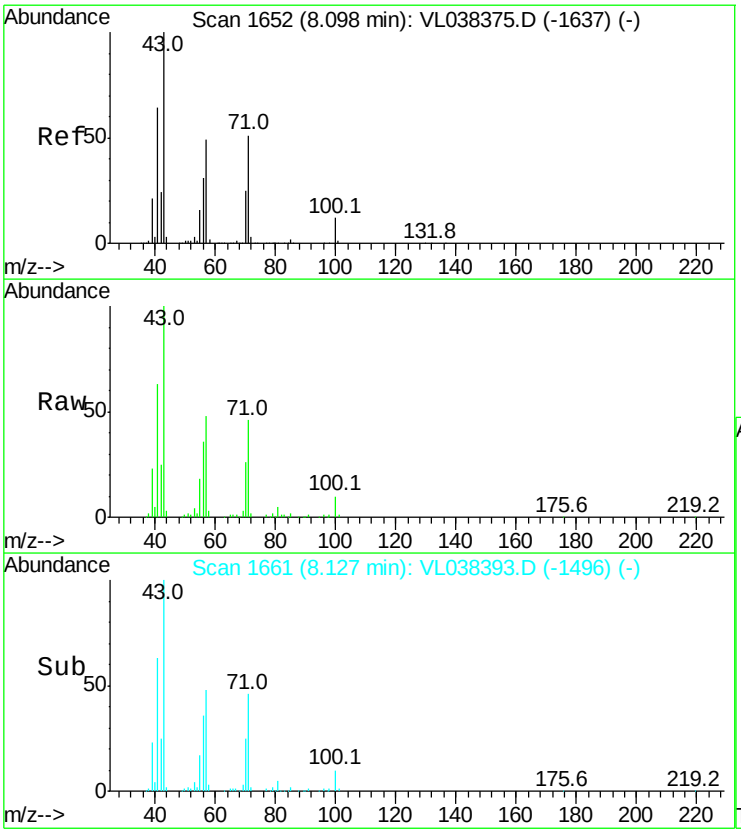
#9
Propene
Concen: 2.42 ppbv
RT: 3.02
Delta R.T
Lab File:
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion: 41 Resp: 135736

Ion	Ratio	Lower	Upper
41	100		
42	66.5	54.6	82.0

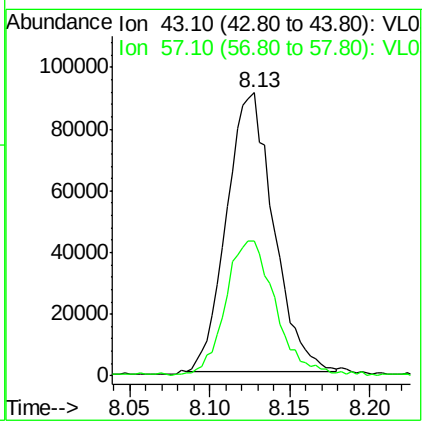


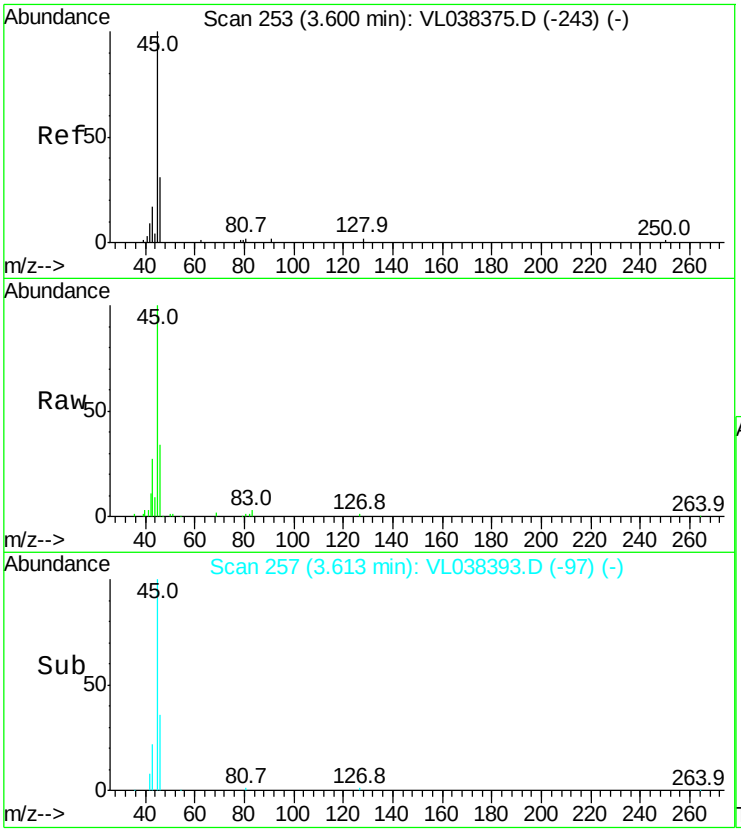


#10
Heptane
Concen: 1.33 ppbv
RT: 8.13 min Scan# 1661
Delta R.T. 0.03 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion: 43 Resp: 181114

Ion	Ratio	Lower	Upper
43	100		
57	52.6	39.8	59.8



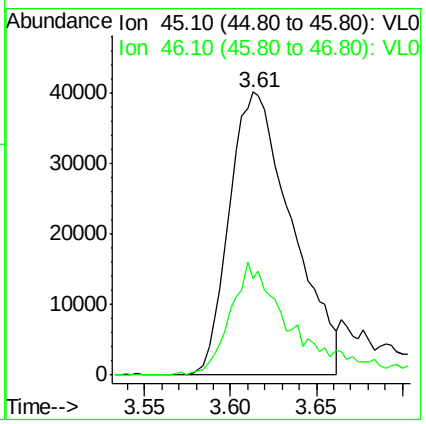


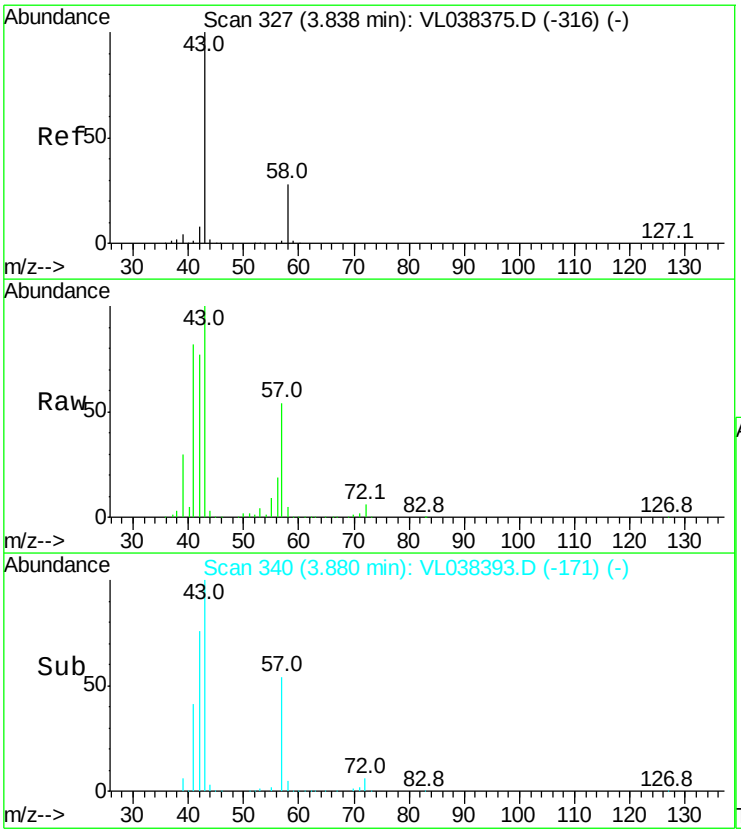
#13
Ethanol
Concen: 18.10 ppbv
RT: 3.61
Delta R.T
Lab File:
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion: 45 Resp: 101229

Ion	Ratio	Lower	Upper
45	100		
46	42.6	18.2	72.8

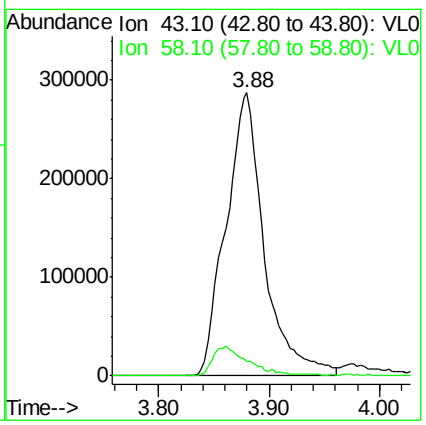


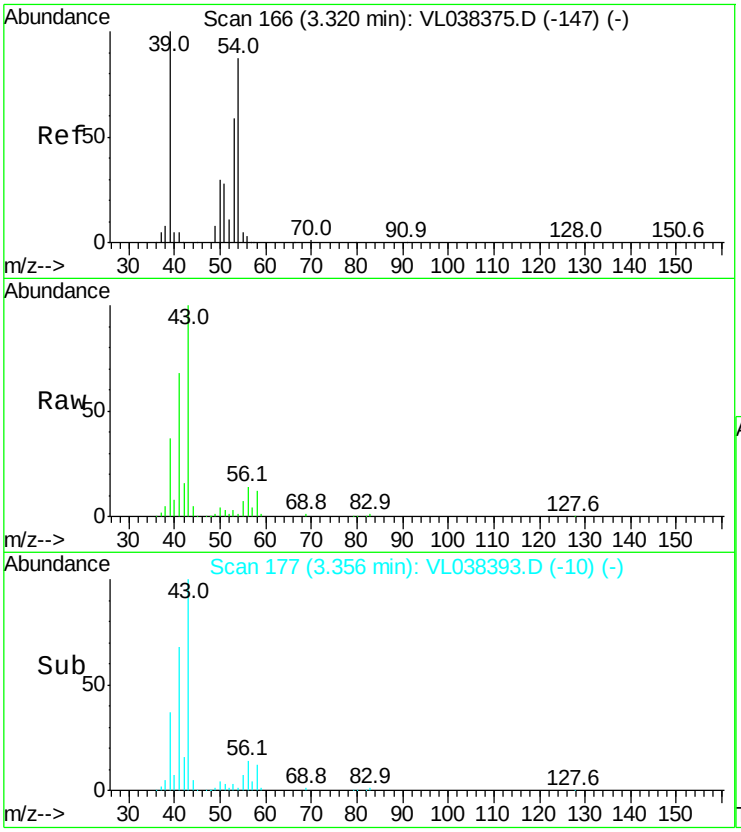


#15
Acetone
Concen: 8.45 ppbv
RT: 3.88 min Scan# 340
Delta R.T. 0.04 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion: 43 Resp: 690229

Ion	Ratio	Lower	Upper
43	100		
58	10.1	21.7	32.5#



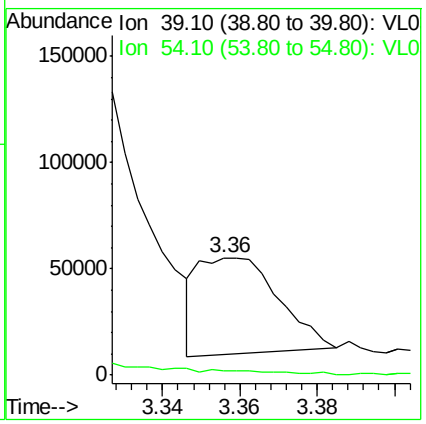


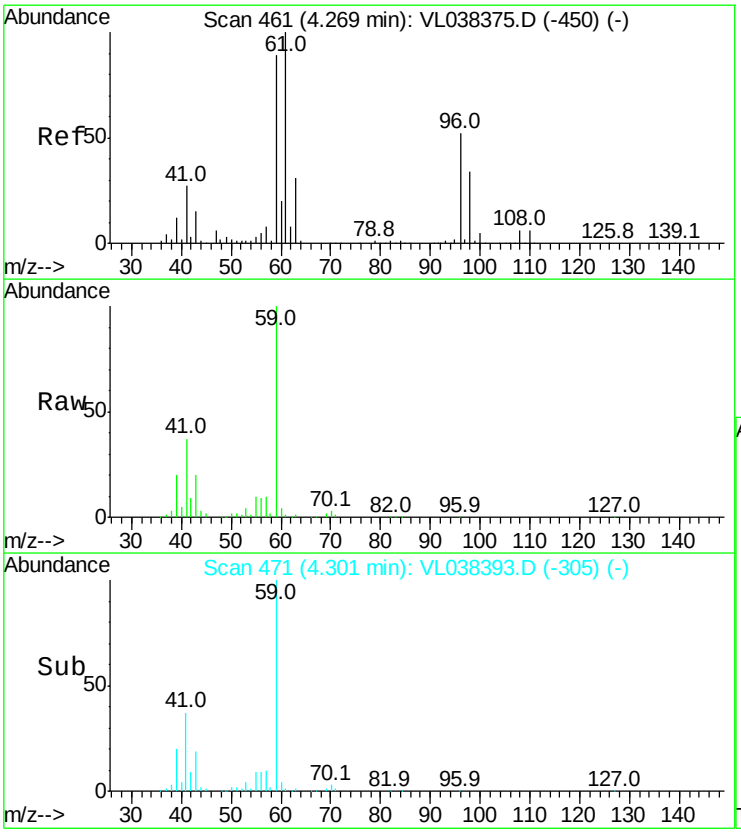
#16
1,3-Butadiene
Concen: 1.20 ppbv
RT: 3.36
Delta R.T
Lab File:
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion: 39 Resp: 65393

Ion	Ratio	Lower	Upper
39	100		
54	0.0	60.3	90.5#

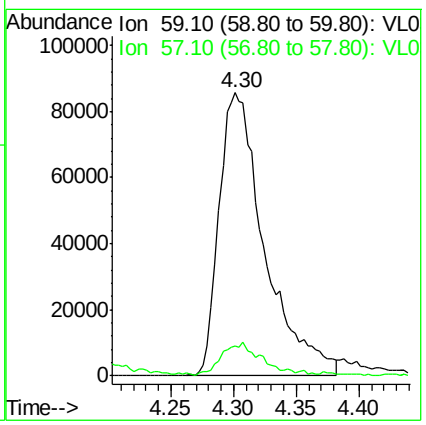


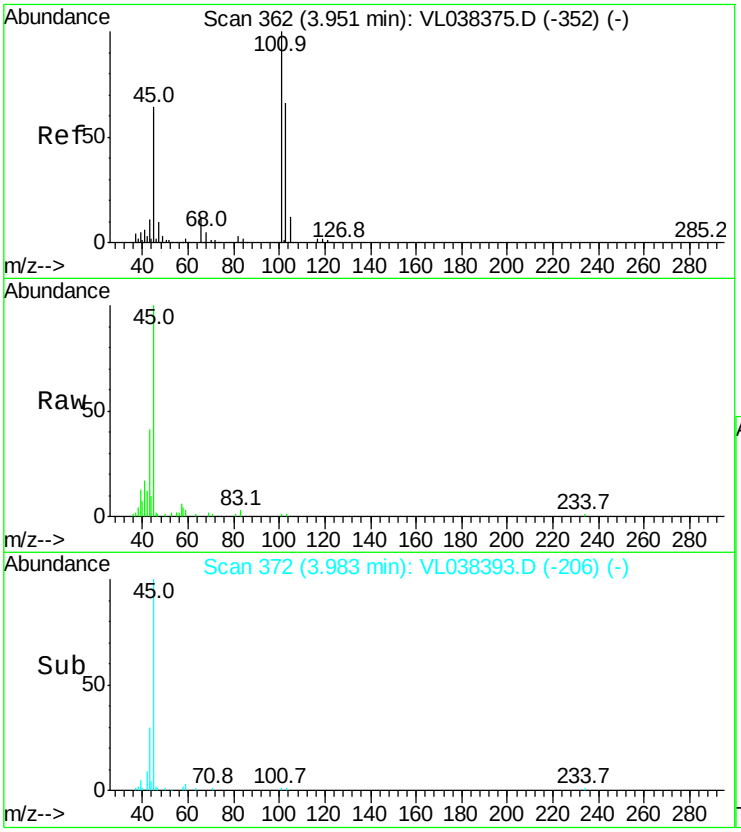


#17
tert-Butyl alcohol
Concen: 2.65 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.03 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion: 59 Resp: 215946

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.4	12.6



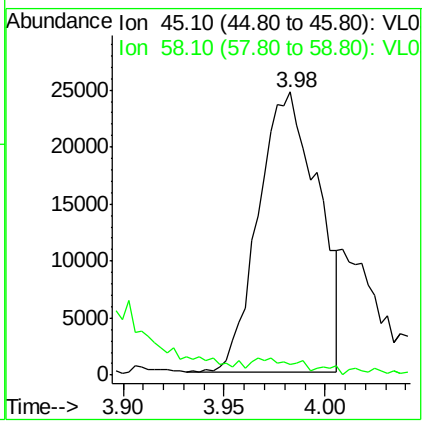


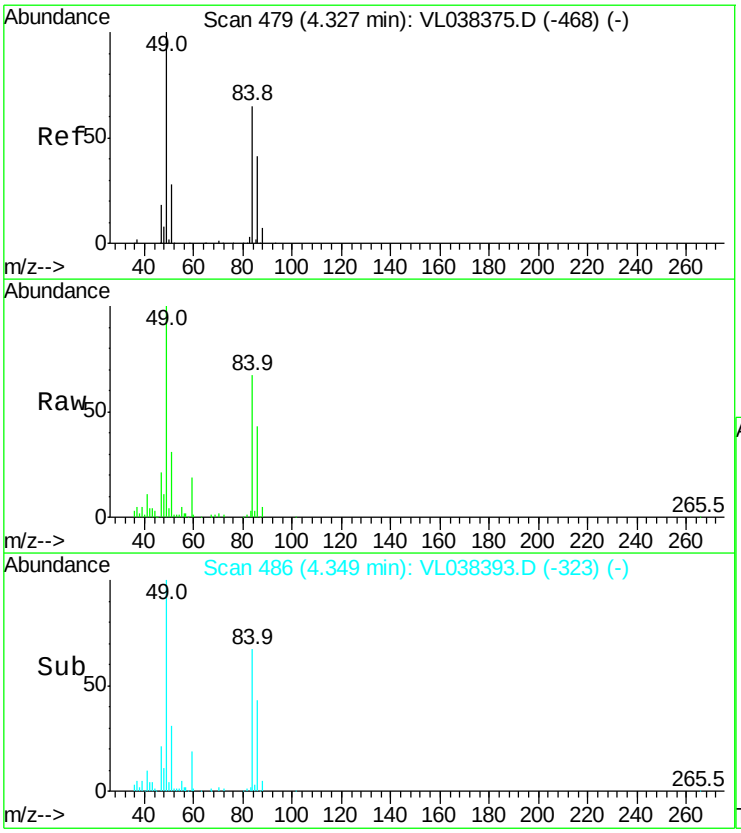
#19
Isopropyl Alcohol
Concen: 1.07 ppbv
RT: 3.98
Delta R.T
Lab File:
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion: 45 Resp: 50677

Ion	Ratio	Lower	Upper
45	100		
58	7.2	1.8	2.8#

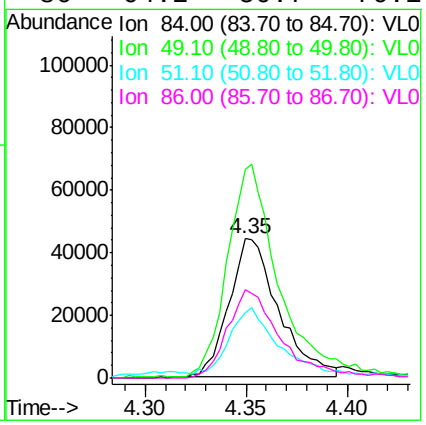


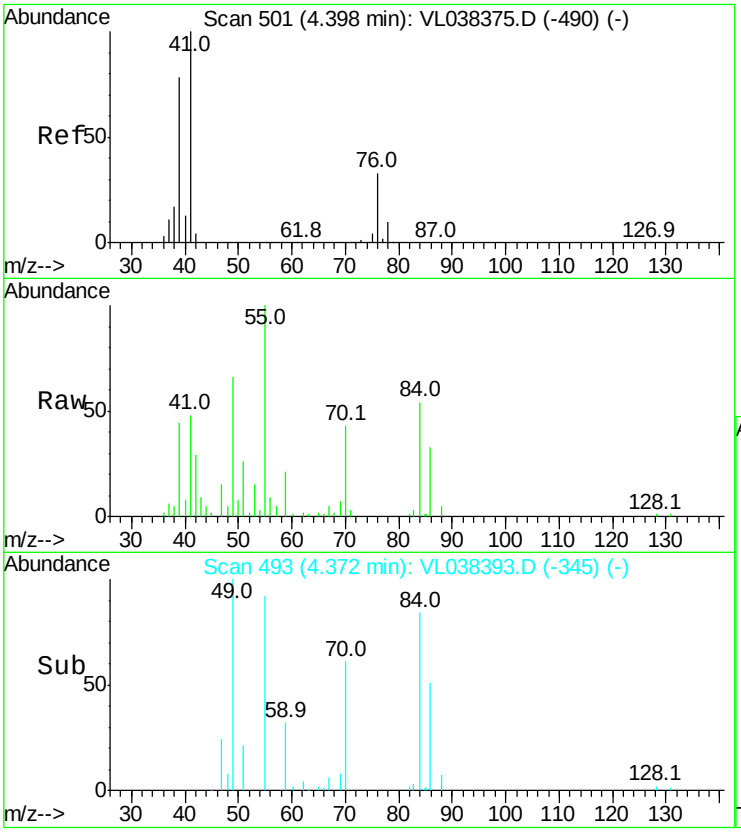


#20
Methylene Chloride
Concen: 1.88 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.02 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion: 84 Resp: 76148

Ion	Ratio	Lower	Upper
84	100		
49	149.7	122.4	183.6
51	45.0	33.3	49.9
86	64.2	50.7	76.1



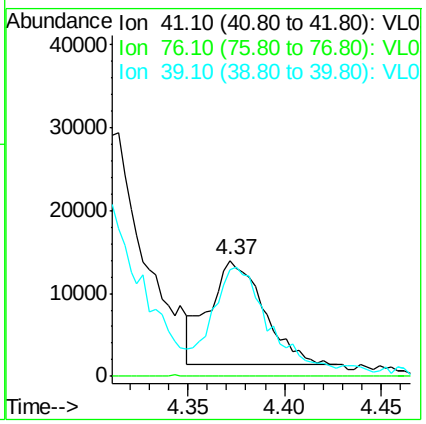


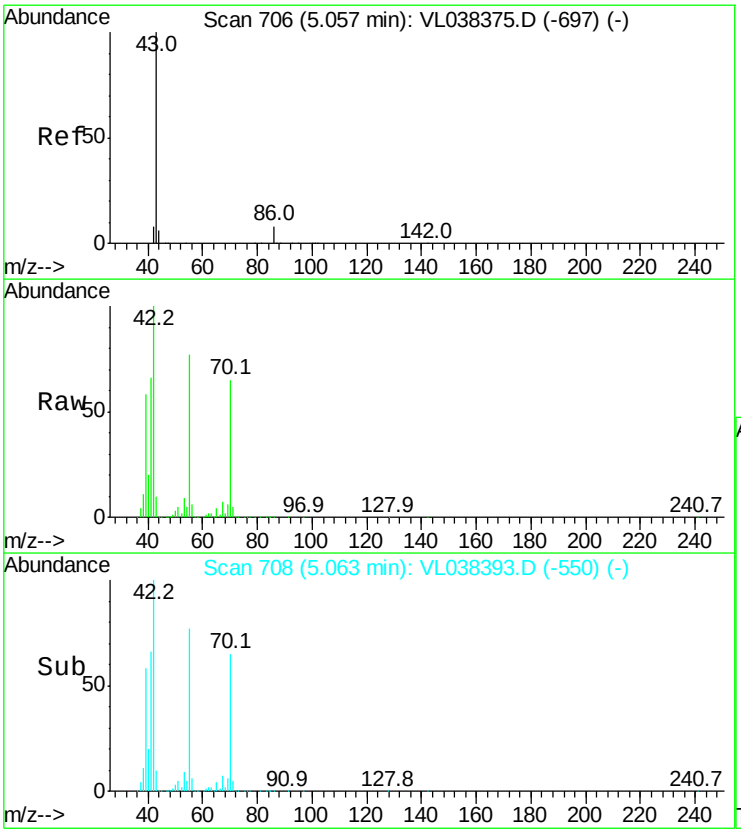
#21
Allyl Chloride
Concen: 0.36 ppbv
RT: 4.37
Delta R.T
Lab File:
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion: 41 Resp: 24815

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.4	38.0#
39	112.0	63.0	94.6#

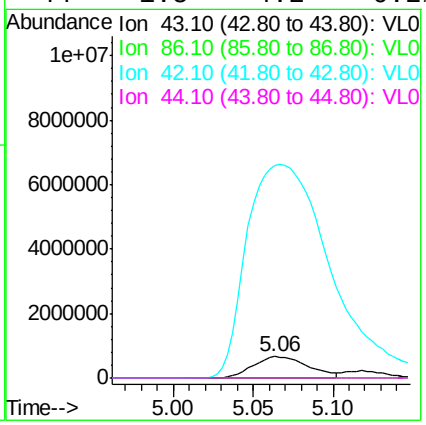


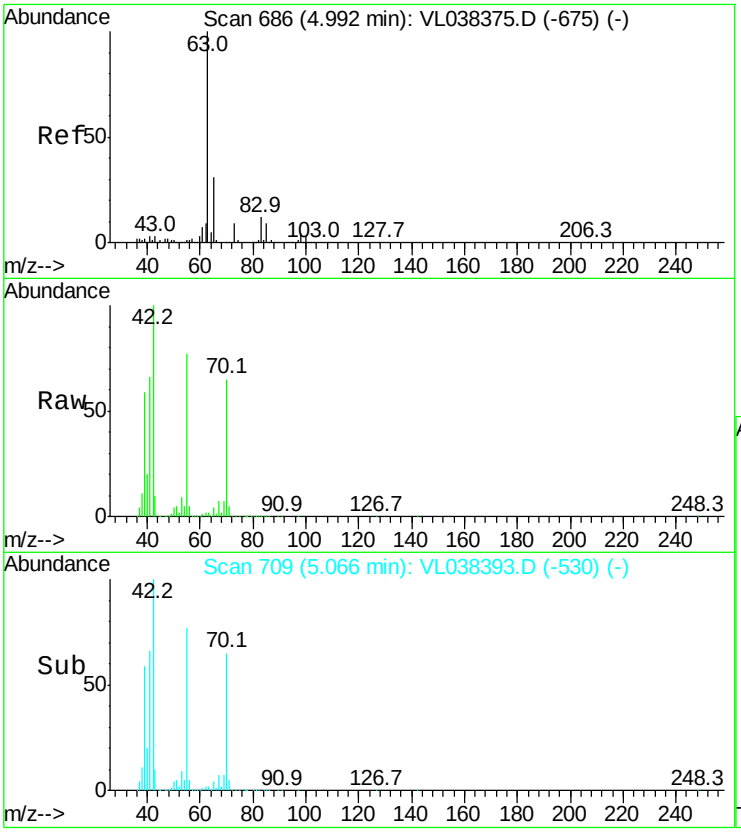


#23
Vinyl Acetate
Concen: 14.61 ppbv
RT: 5.06 min Scan# 708
Delta R.T. 0.01 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion: 43 Resp: 1581819

Ion	Ratio	Lower	Upper
43	100		
86	0.3	5.8	8.6#
42	994.1	7.4	11.0#
44	1.5	4.2	6.2#



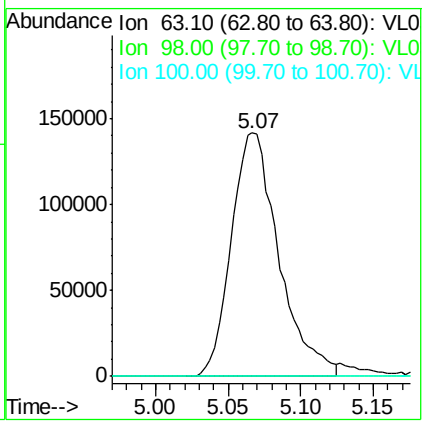


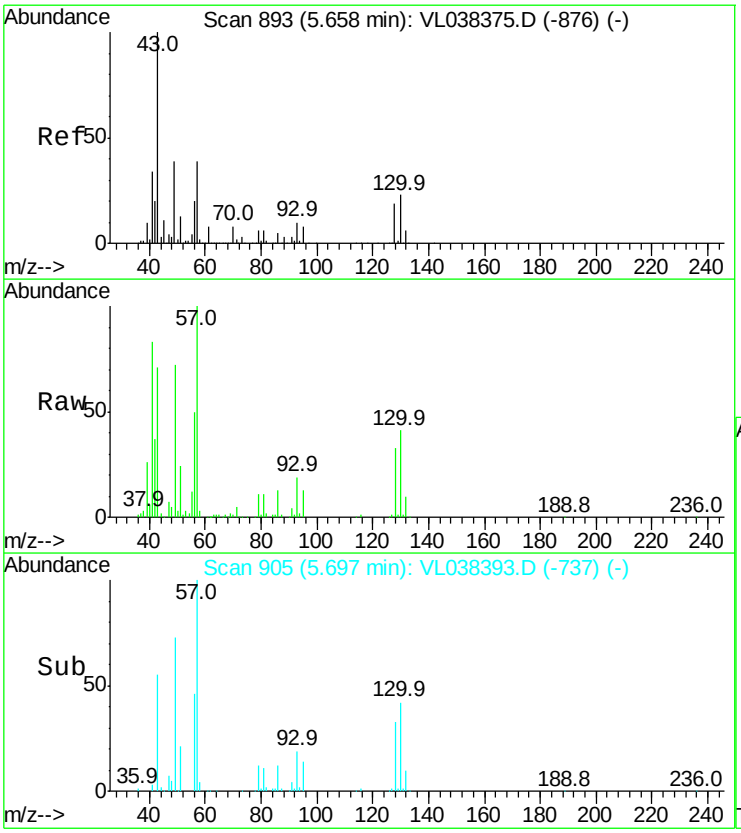
#24
1,1-Dichloroethane
Concen: 3.31 ppbv
RT: 5.07
Delta R.T
Lab File:
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion: 63 Resp: 322104

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.1	6.5#
100	0.0	1.4	4.2#

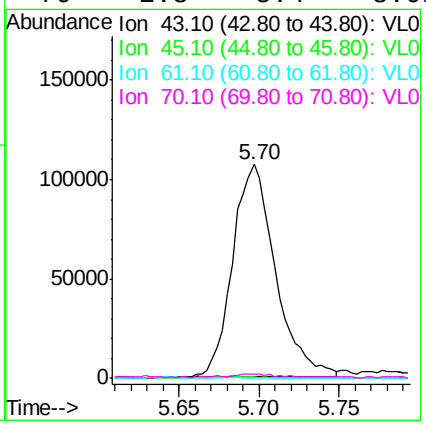


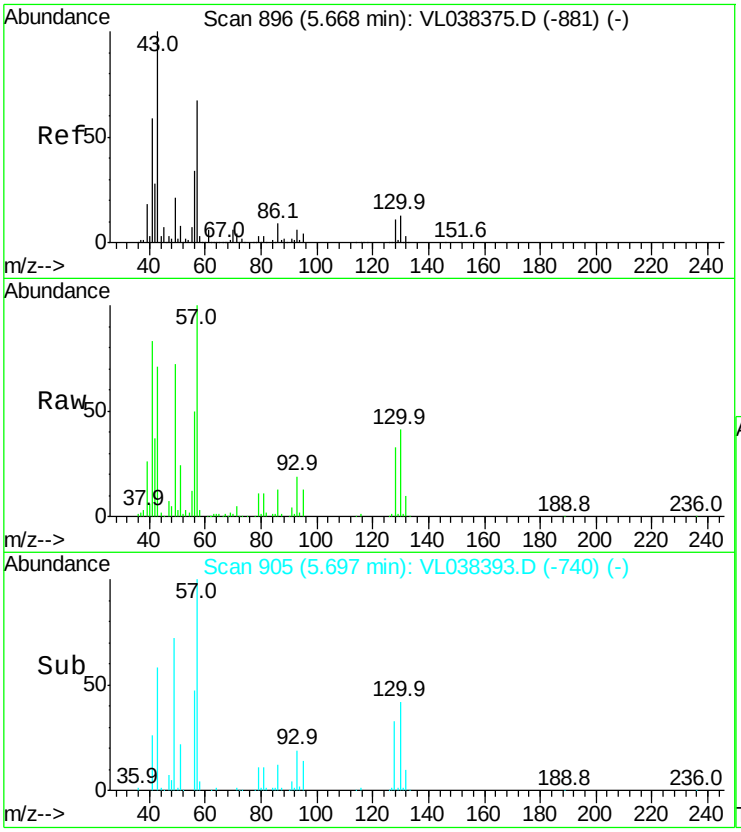


#25
Ethyl Acetate
Concen: 0.89 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.04 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion: 43 Resp: 195613

Ion	Ratio	Lower	Upper
43	100		
45	0.6	7.8	11.6#
61	0.3	7.5	11.3#
70	2.8	5.4	8.0#



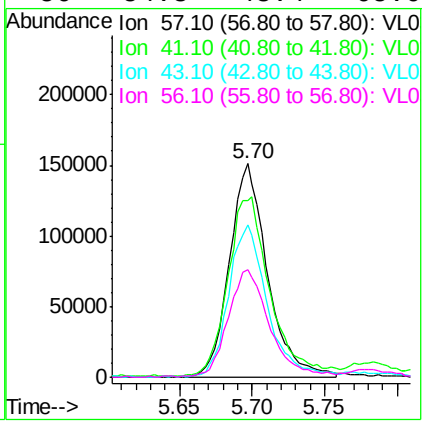


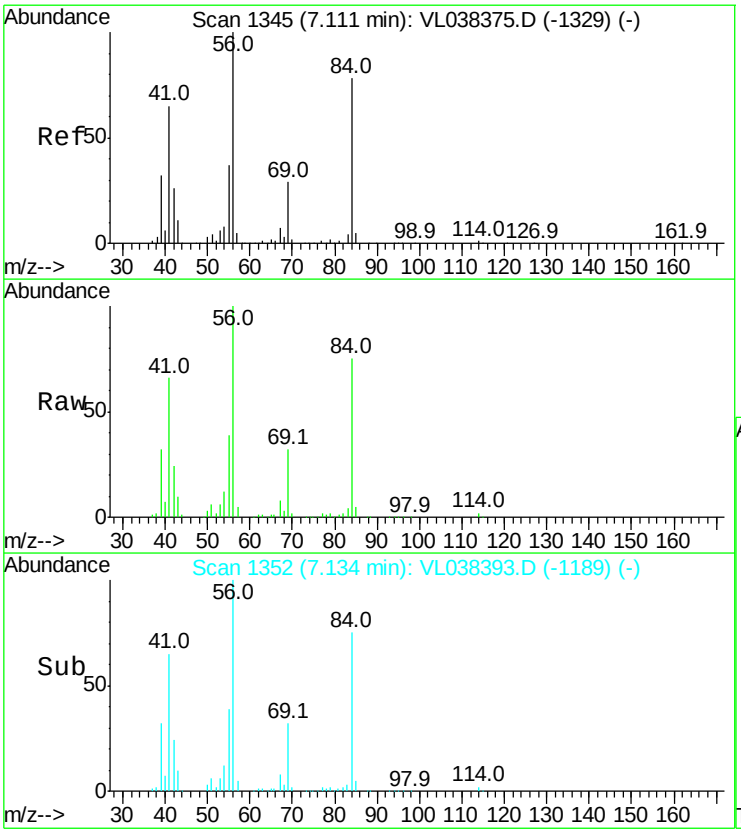
#26
Hexane
Concen: 2.77 ppbv
RT: 5.70
Delta R.T
Lab File:
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion: 57 Resp: 275501

Ion	Ratio	Lower	Upper
57	100		
41	93.2	73.1	109.7
43	72.8	181.0	271.4#
56	54.3	43.4	65.0

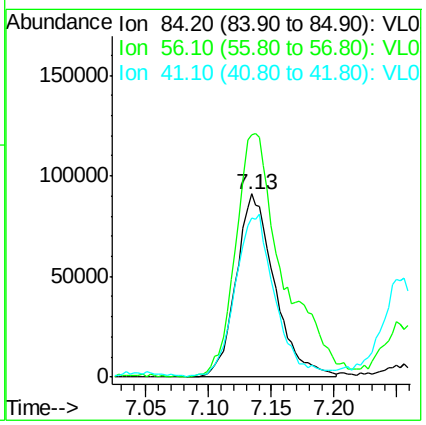


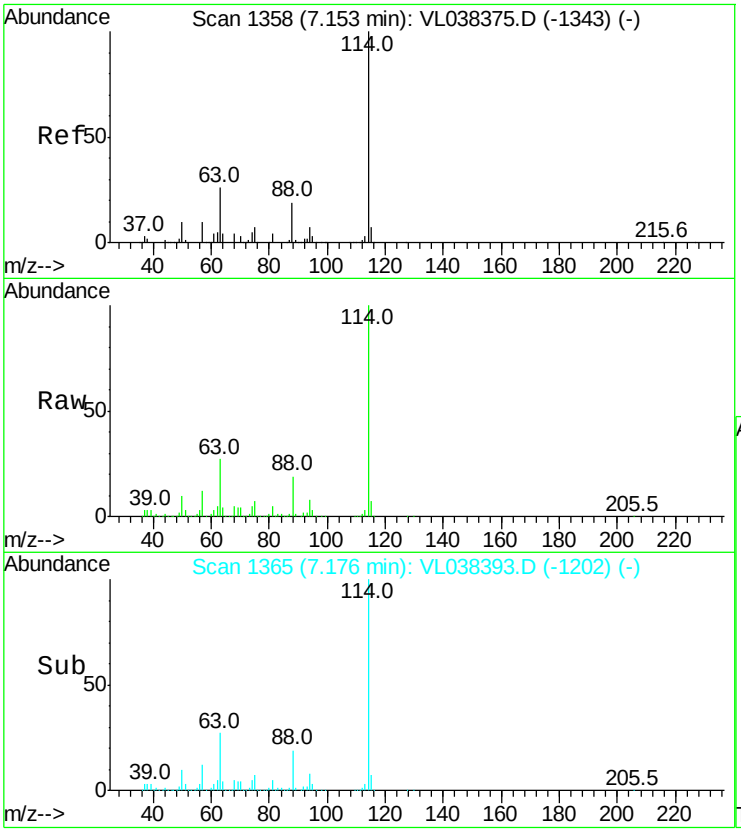


#30
Cyclohexane
Concen: 2.40 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.02 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion: 84 Resp: 194783

Ion	Ratio	Lower	Upper
84	100		
56	162.6	116.2	174.4
41	91.3	74.3	111.5



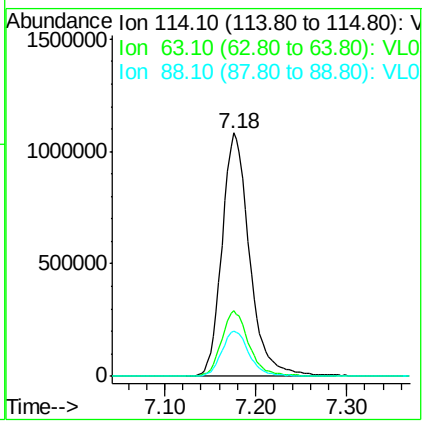


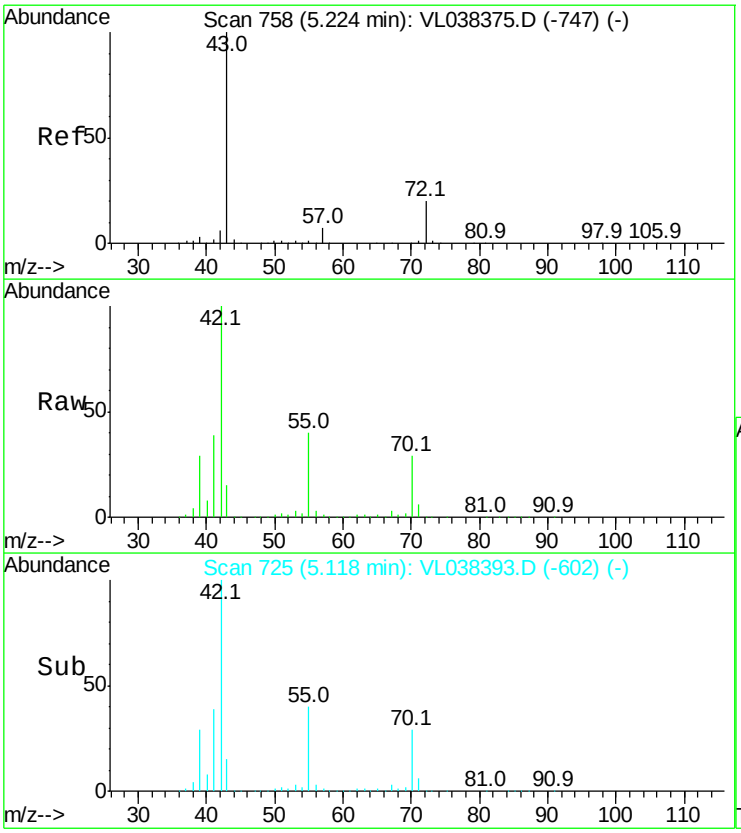
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.18
Delta R.T
Lab File:
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion:114 Resp: 2282956

Ion	Ratio	Lower	Upper
114	100		
63	26.9	22.2	33.2
88	18.7	15.2	22.8

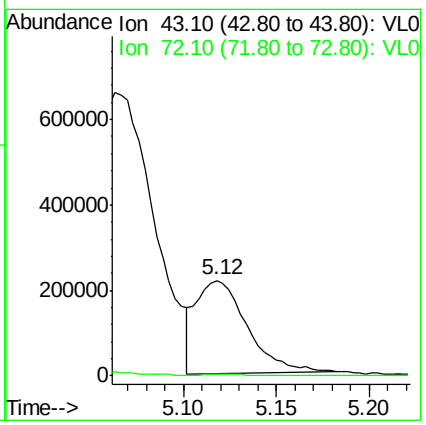


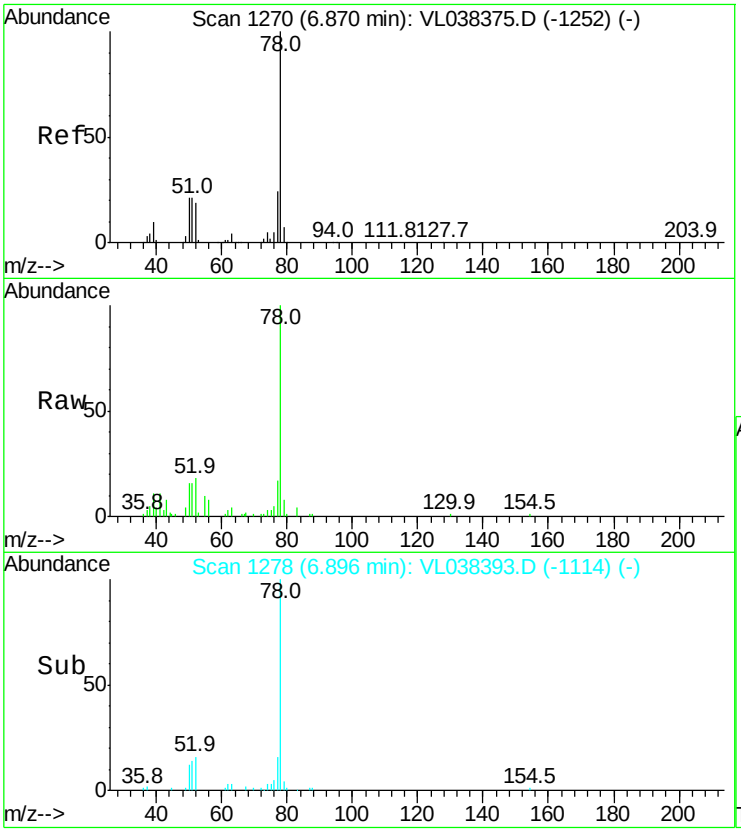


#34
2-Butanone
Concen: 5.76 ppbv
RT: 5.12 min Scan# 725
Delta R.T. -0.11 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion: 43 Resp: 413802

Ion	Ratio	Lower	Upper
43	100		
72	2.4	17.4	26.2#



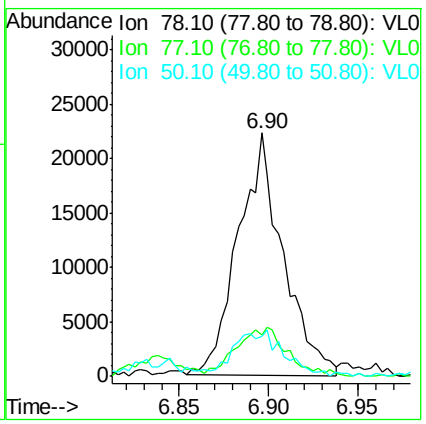


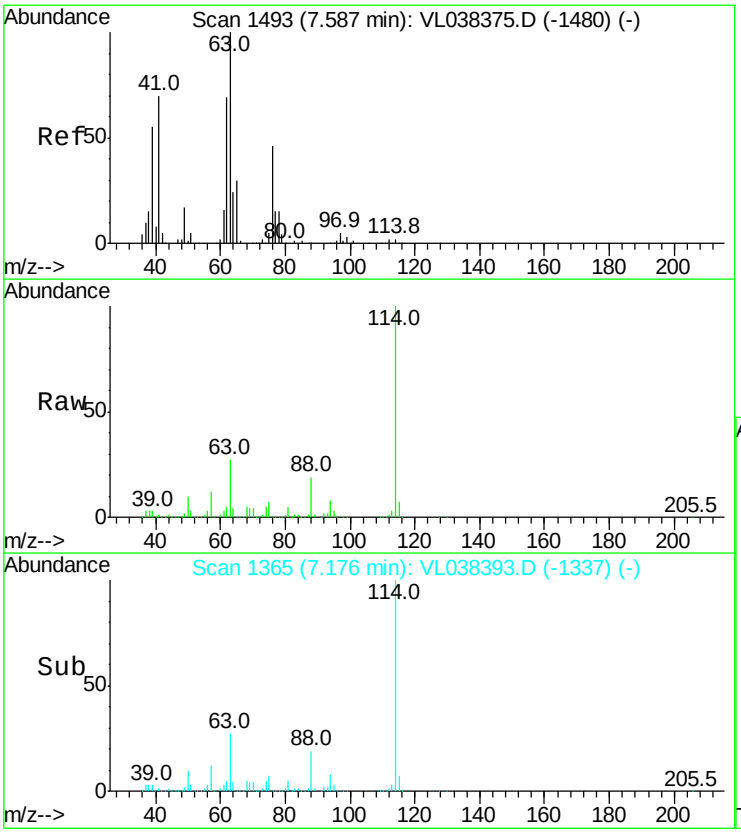
#36
Benzene
Concen: 0.19 ppbv
RT: 6.90
Delta R.T
Lab File:
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion: 78 Resp: 38999

Ion	Ratio	Lower	Upper
78	100		
77	16.0	19.0	28.6#
50	15.0	16.6	24.8#

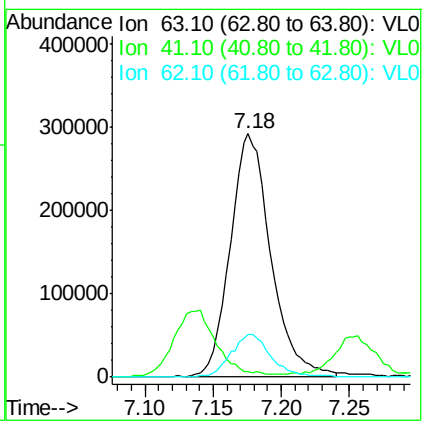


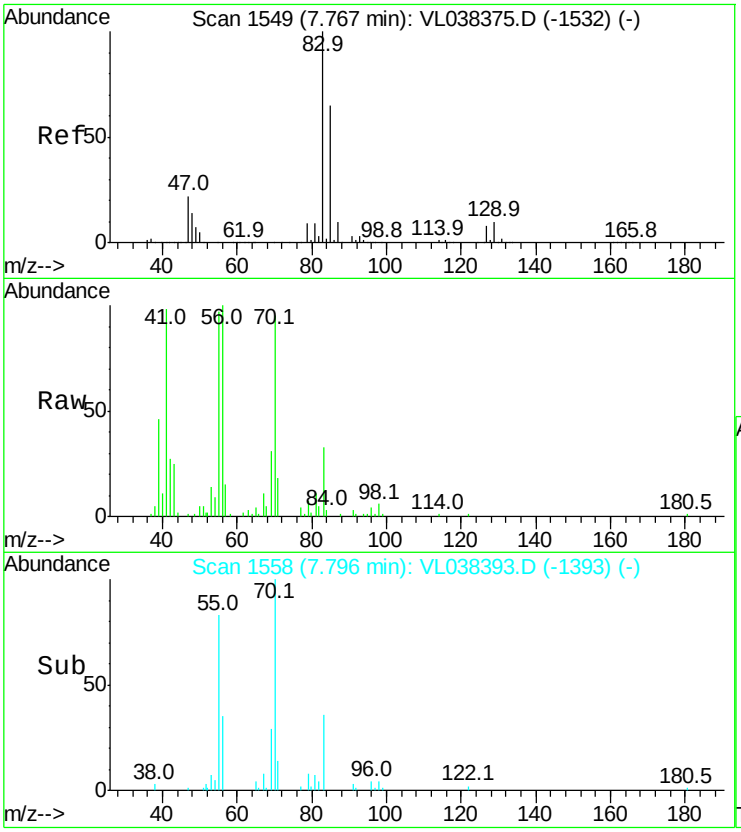


#39
1,2-Dichloropropane
Concen: 7.47 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.41 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion: 63 Resp: 598224

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.1	84.1#
62	17.5	55.5	83.3#



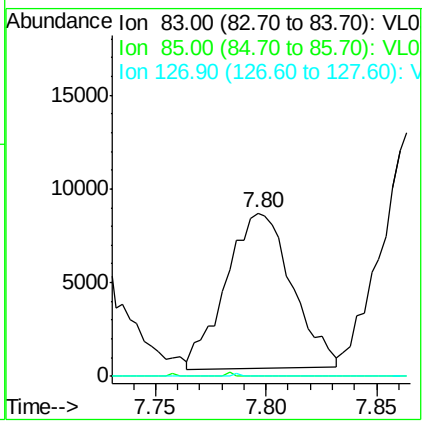


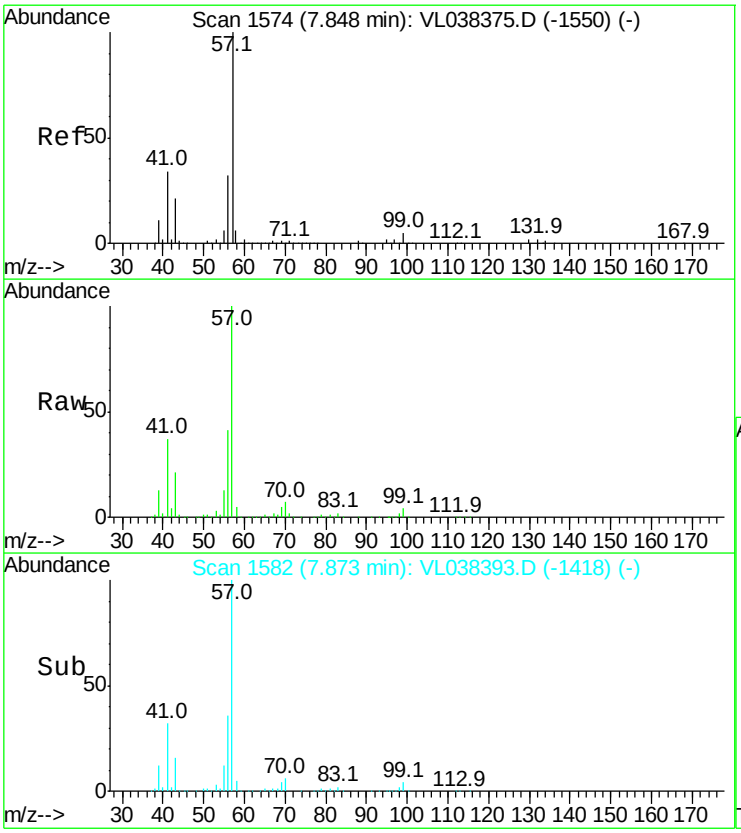
#42
Bromodichloromethane
Concen: 0.10 ppbv
RT: 7.80
Delta R.T
Lab File:
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion: 83 Resp: 17157

Ion	Ratio	Lower	Upper
83	100		
85	0.0	52.2	78.4#
127	0.0	6.2	9.4#

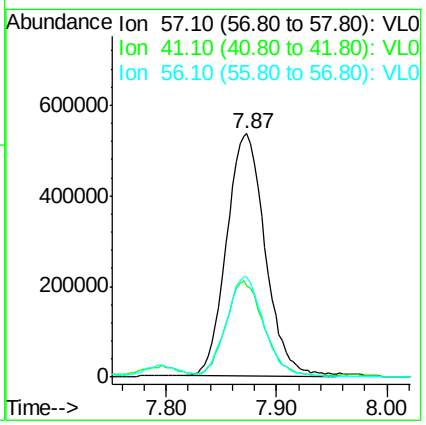


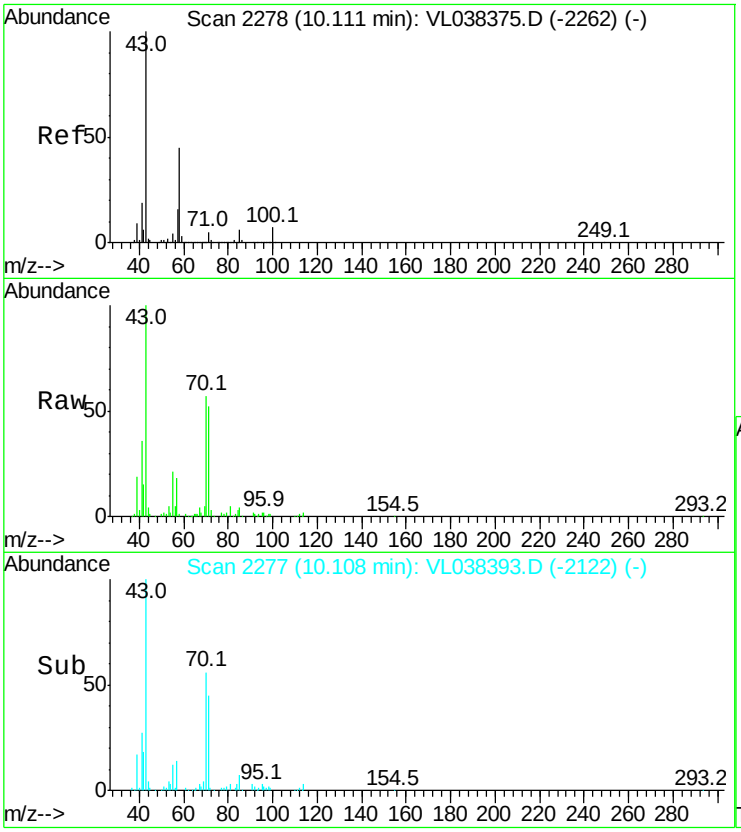


#44
2,2,4-Trimethylpentane
Concen: 3.77 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.03 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion: 57 Resp: 1302628

Ion	Ratio	Lower	Upper
57	100		
41	39.3	26.6	39.8
56	40.8	25.0	37.6#



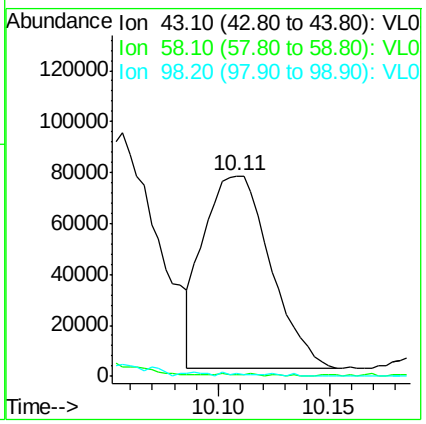


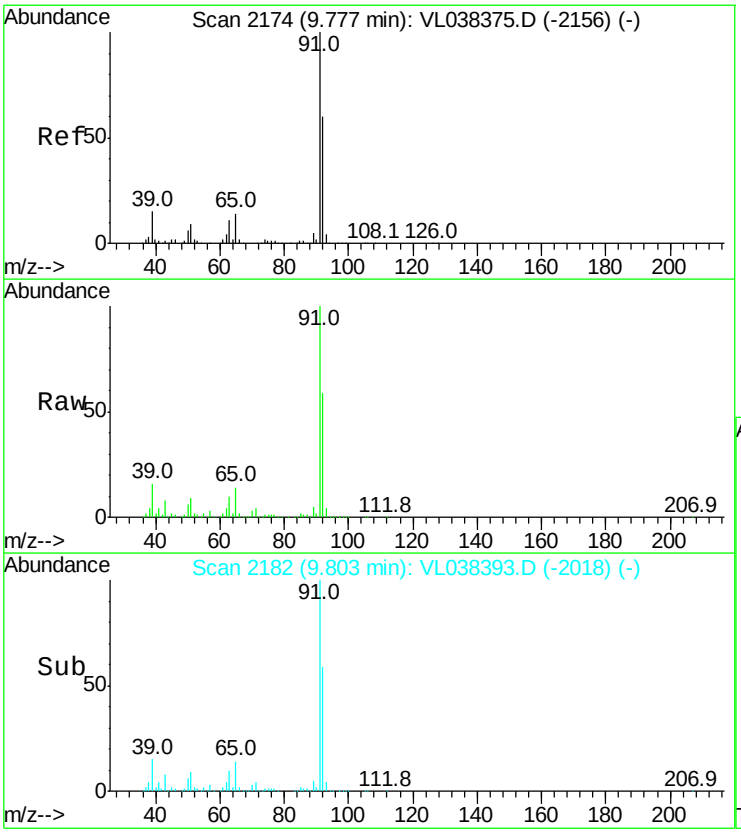
#51
2-Hexanone
Concen: 2.81 ppbv
RT: 10.11
Delta R.T
Lab File:
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion: 43 Resp: 159584

Ion	Ratio	Lower	Upper
43	100		
58	1.0	37.4	56.0#
98	0.0	0.1	0.1#

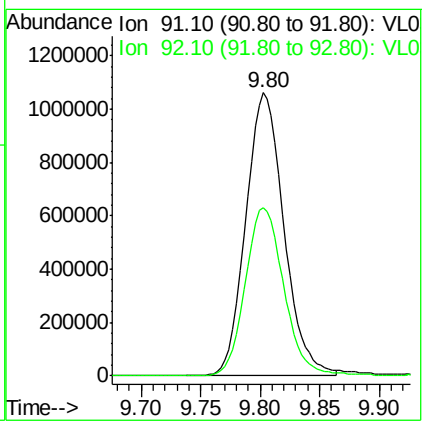


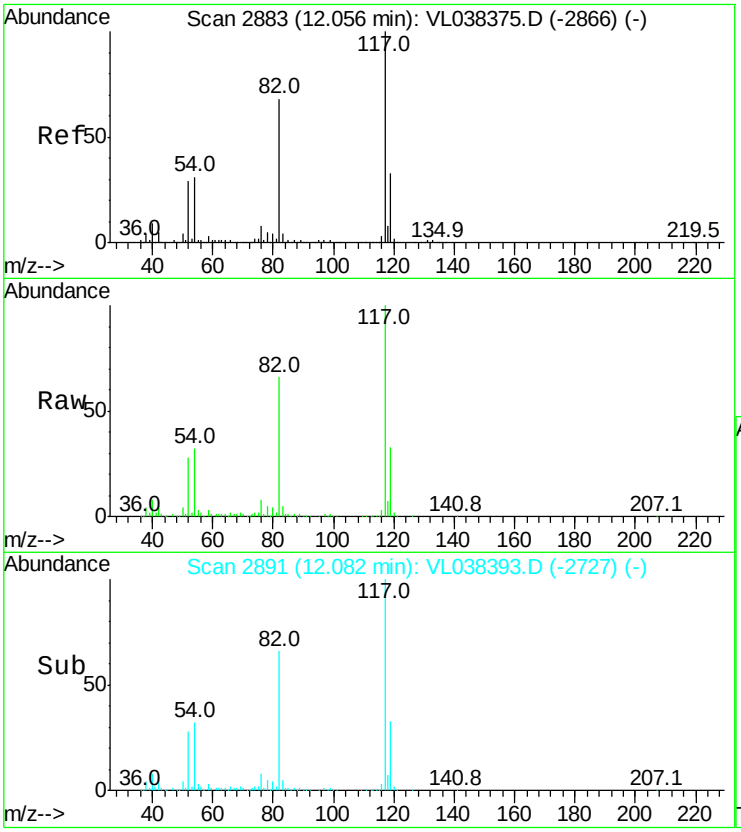


#53
Toluene
Concen: 10.82 ppbv
RT: 9.80 min Scan# 2182
Delta R.T. 0.03 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion: 91 Resp: 2361333

Ion	Ratio	Lower	Upper
91	100		
92	60.9	48.2	72.4



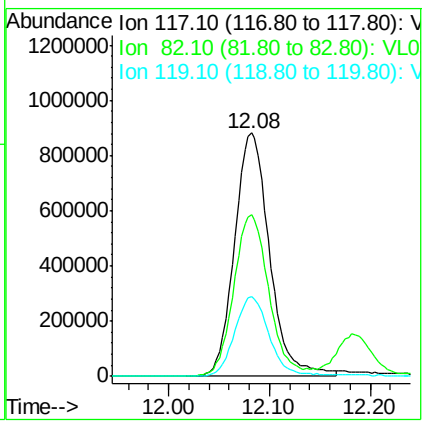


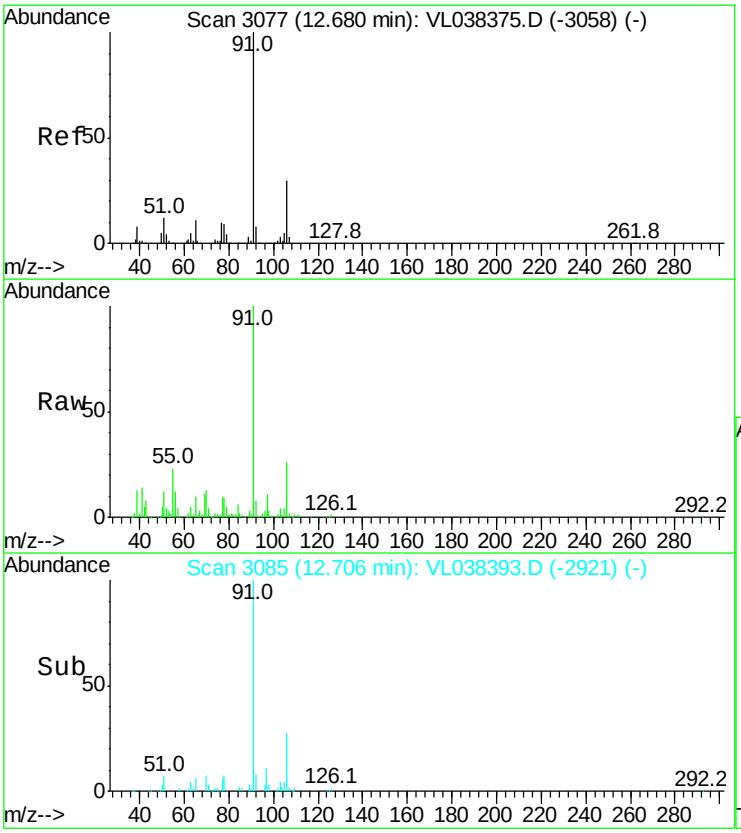
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.08
Delta R.T
Lab File:
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion:117 Resp: 2125050

Ion	Ratio	Lower	Upper
117	100		
82	66.0	54.9	82.3
119	33.5	46.1	69.1#

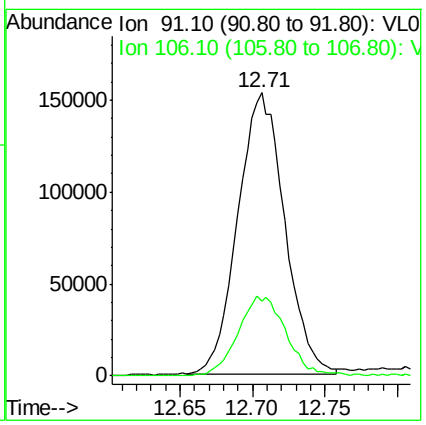


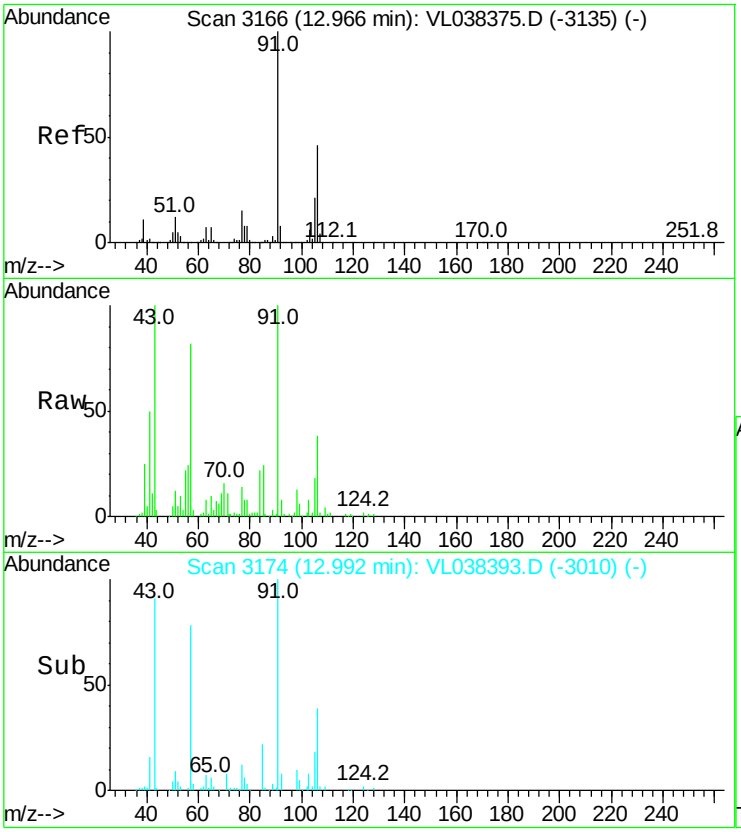


#58
Ethyl Benzene
Concen: 1.18 ppbv
RT: 12.71 min Scan# 3085
Delta R.T. 0.03 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion: 91 Resp: 342091

Ion	Ratio	Lower	Upper
91	100		
106	26.4	24.0	36.0



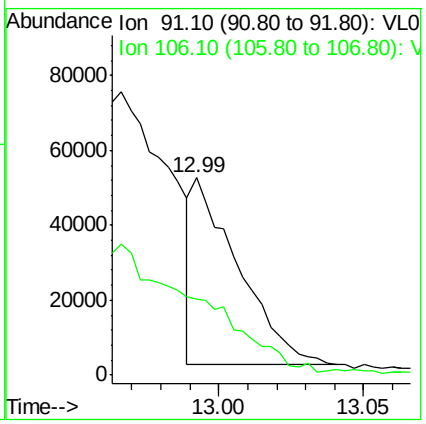


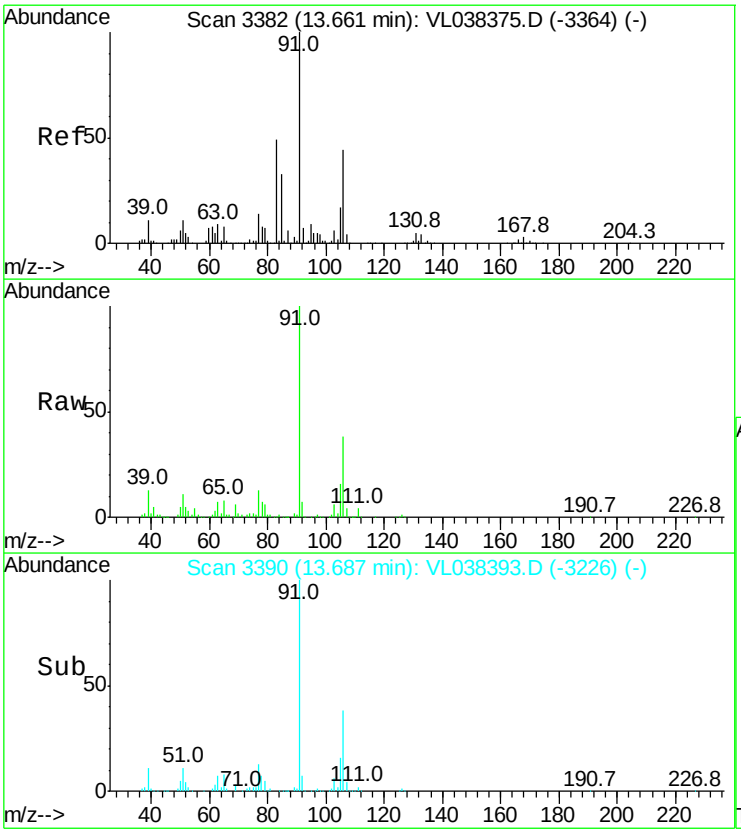
#59
m/p-Xylene
Concen: 0.22 ppbv
RT: 12.99
Delta R.T
Lab File:
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion: 91 Resp: 54834

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.4	51.6#

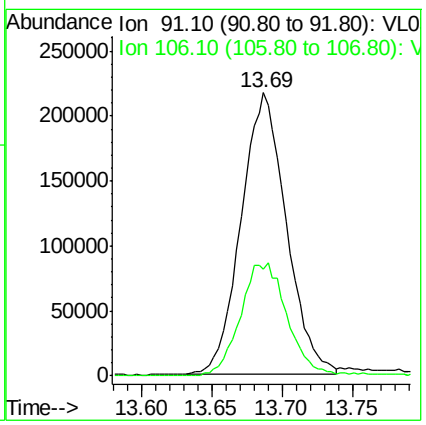


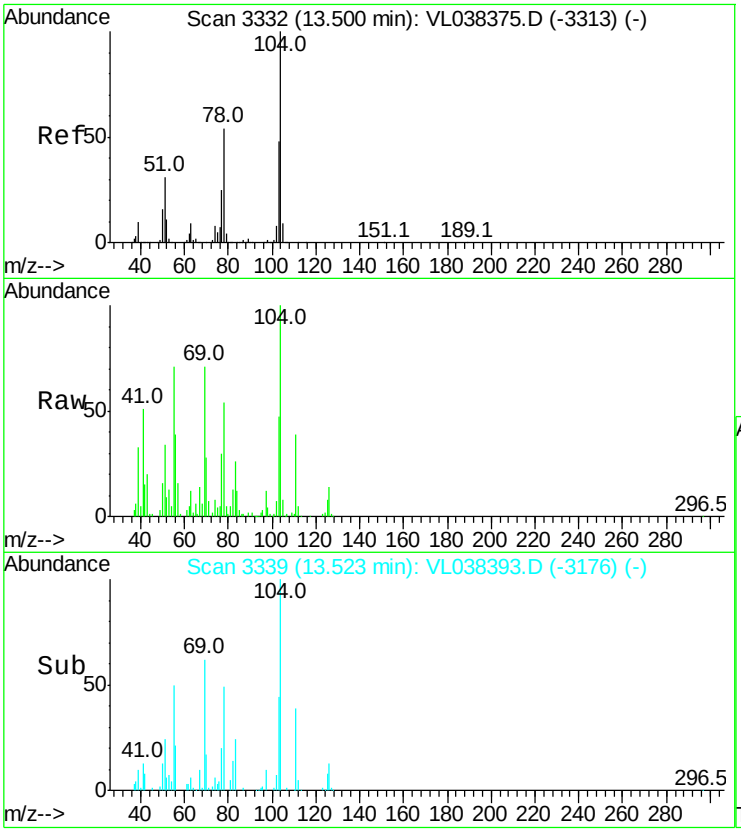


#60
o-Xylene
Concen: 2.06 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.03 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion: 91 Resp: 484980

Ion	Ratio	Lower	Upper
91	100		
106	42.5	21.9	65.5



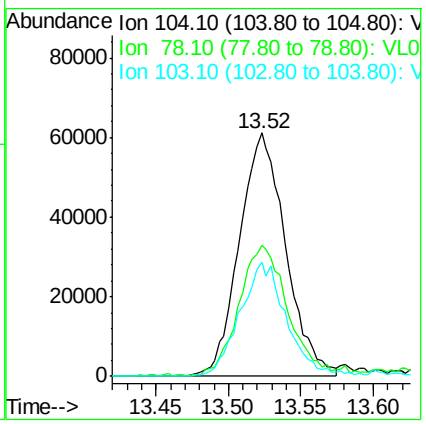


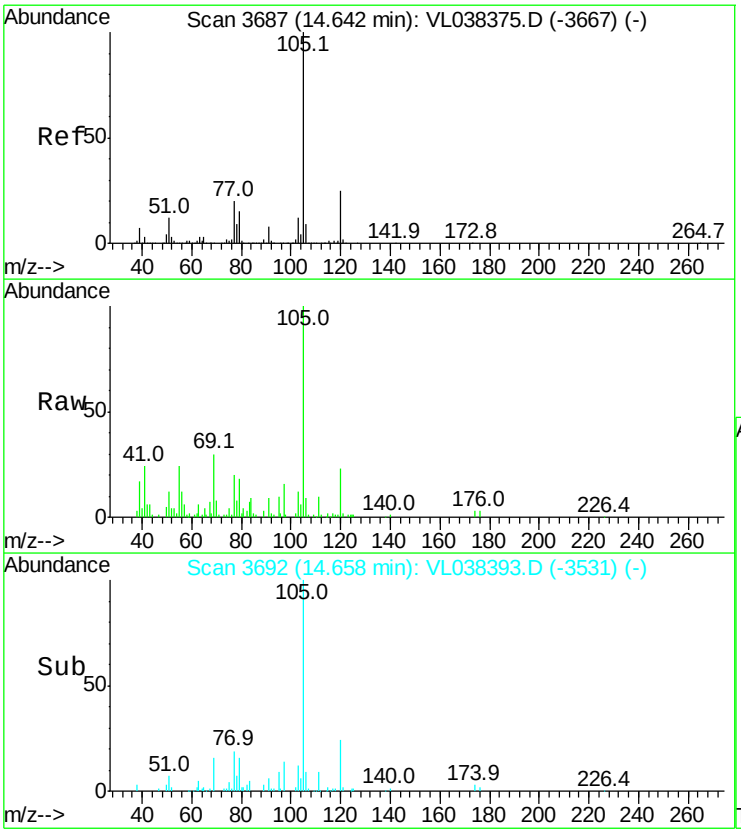
#61
Styrene
Concen: 1.25 ppbv
RT: 13.52
Delta R.T
Lab File:
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion:104 Resp: 135856

Ion	Ratio	Lower	Upper
104	100		
78	58.1	44.2	66.4
103	47.3	38.4	57.6

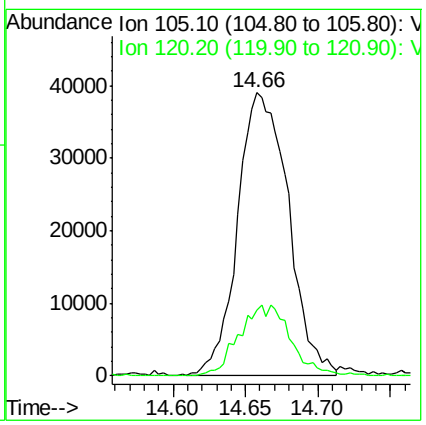


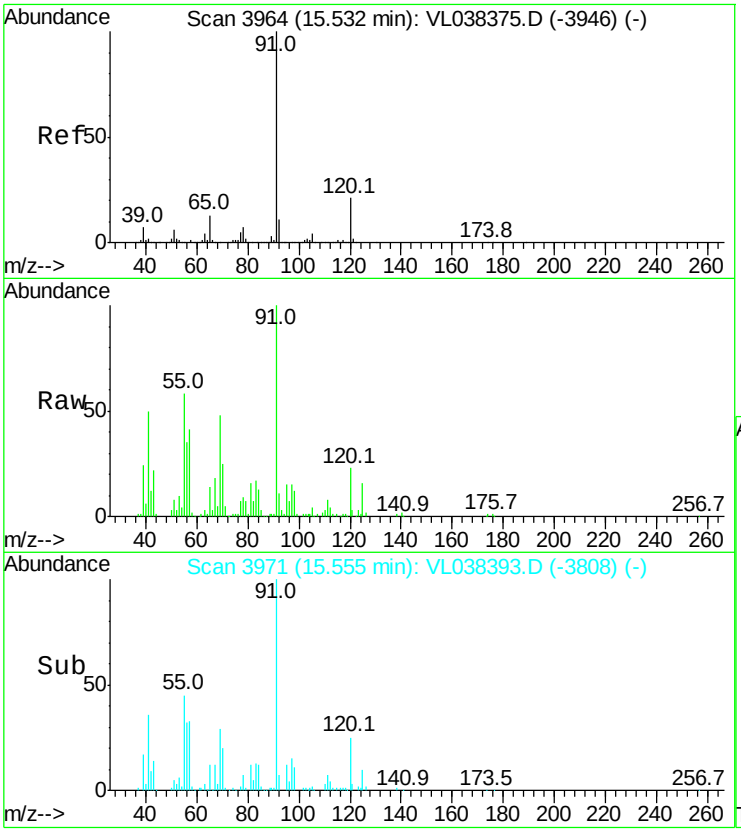


#62
Isopropylbenzene
Concen: 0.30 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. 0.02 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion:105 Resp: 95011

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.6	30.8



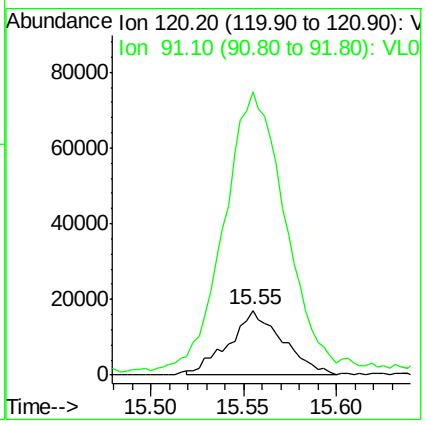


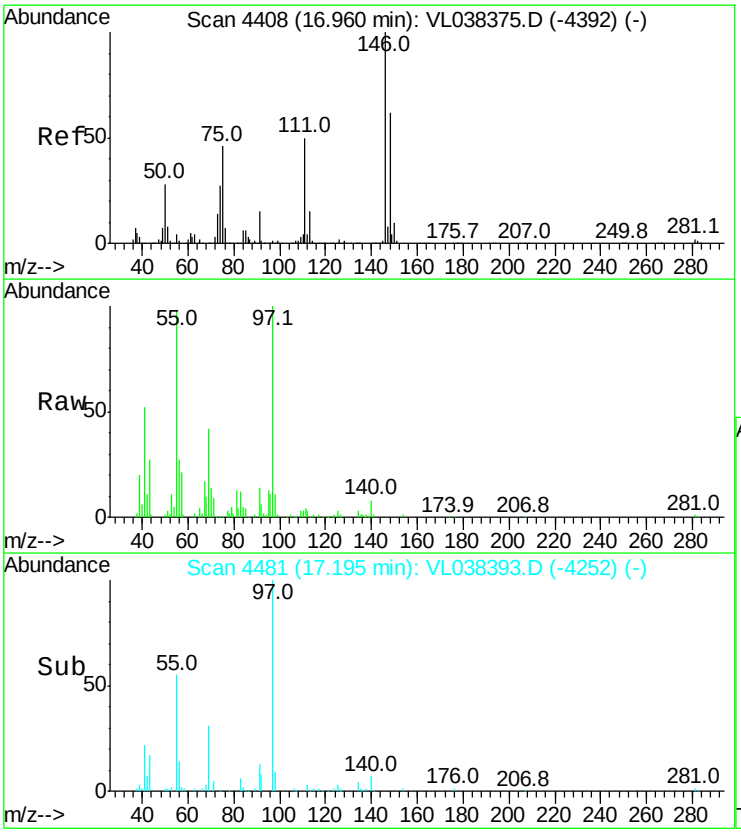
#64
n-propylbenzene
Concen: 0.44 ppbv
RT: 15.55
Delta R.T
Lab File:
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion:120 Resp: 34237

Ion	Ratio	Lower	Upper
120	100		
91	500.3	388.1	582.1

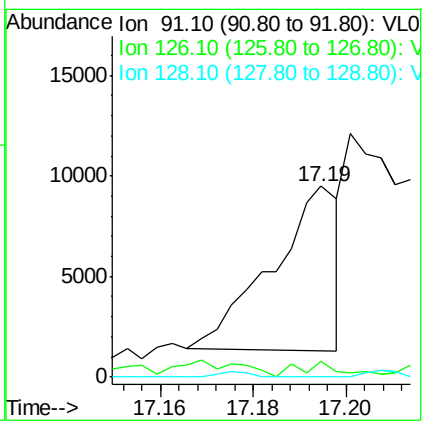


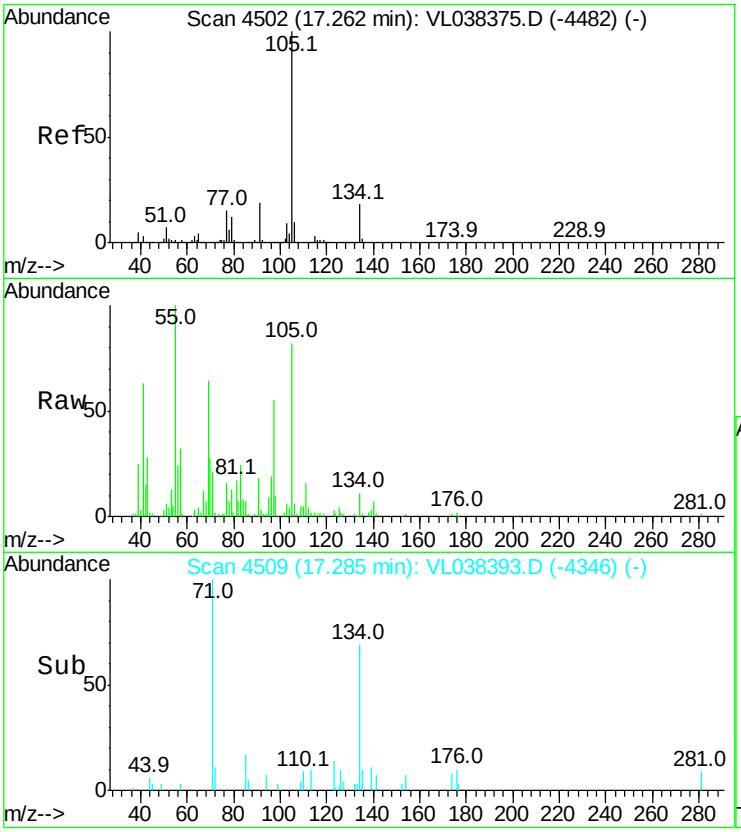


#66
Benzyl Chloride
Concen: 0.55 ppbv
RT: 17.19 min Scan# 4481
Delta R.T. 0.23 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion: 91 Resp: 8216

Ion	Ratio	Lower	Upper
91	100		
126	20.9	12.3	18.5#
128	1.4	4.2	6.4#



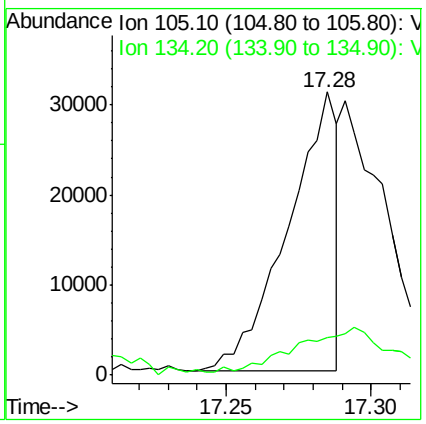


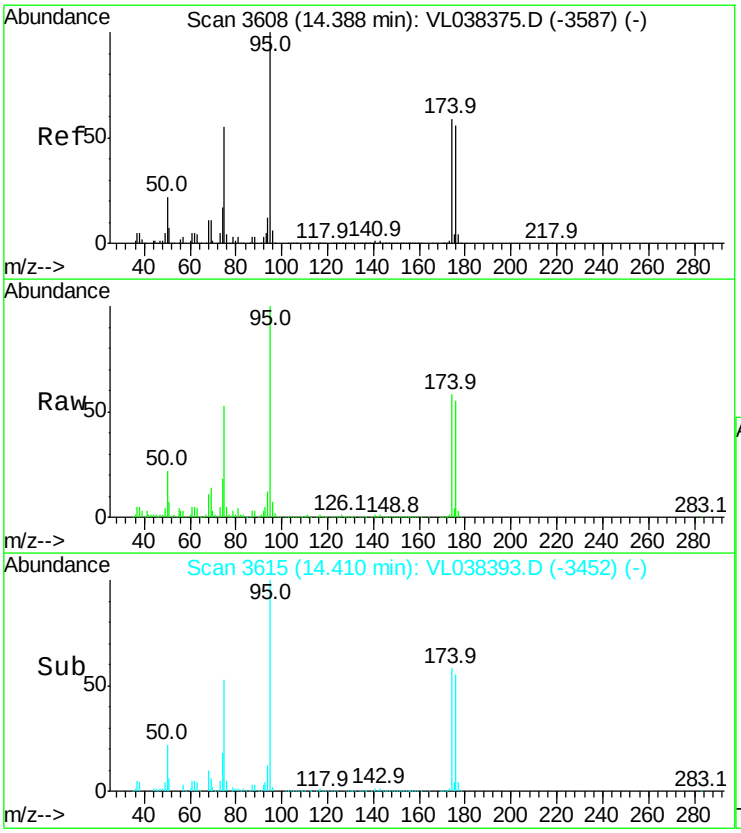
#67
sec-Butylbenzene
Concen: 0.09 ppbv
RT: 17.28
Delta R.T
Lab File:
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion:105 Resp: 36550

Ion	Ratio	Lower	Upper
105	100		
134	16.9	14.6	21.8

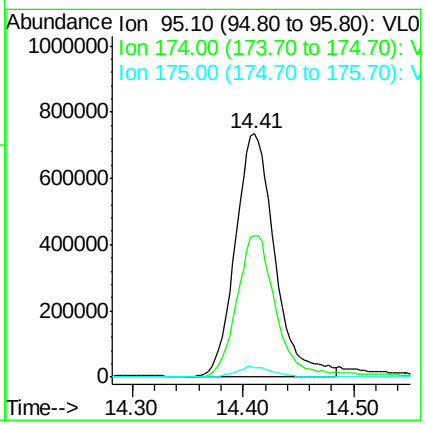


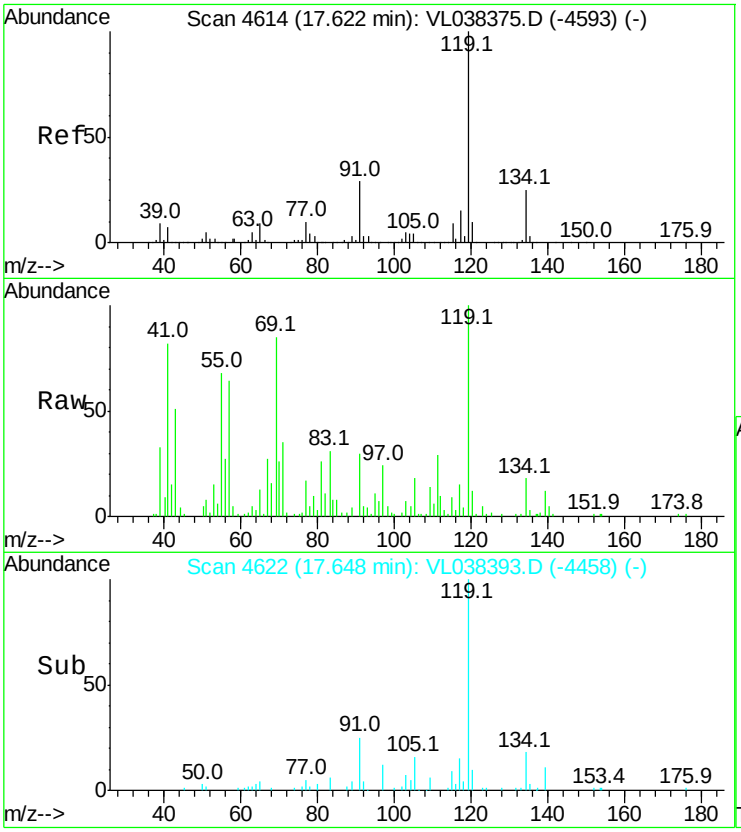


#68
1-Bromo-4-Fluorobenzene
Concen: 10.35 ppbv
RT: 14.41 min Scan# 3615
Delta R.T. 0.02 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion: 95 Resp: 1819404

Ion	Ratio	Lower	Upper
95	100		
174	59.7	49.0	73.4
175	4.2	3.6	5.4



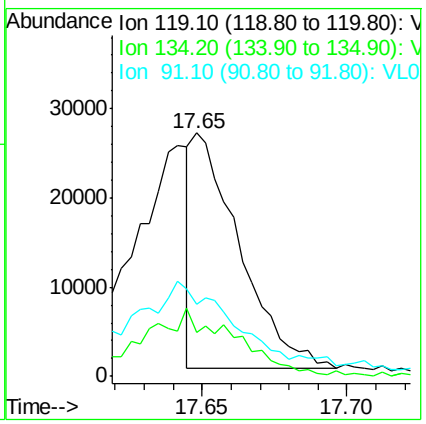


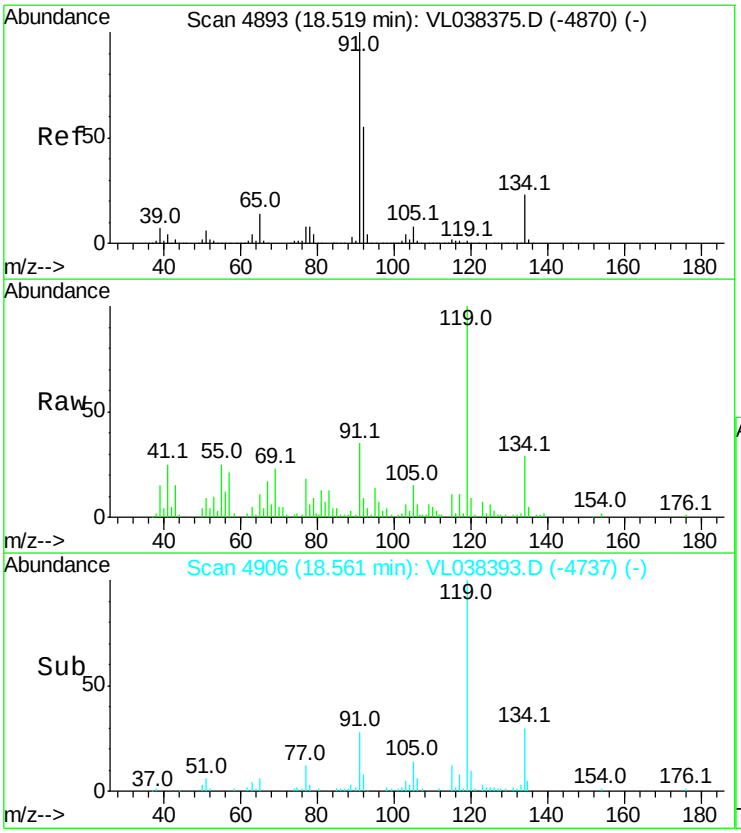
#69
p-Isopropyltoluene
Concen: 0.10 ppbv
RT: 17.65
Delta R.T
Lab File:
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion:119 Resp: 29712

Ion	Ratio	Lower	Upper
119	100		
134	57.7	20.4	30.6#
91	0.0	23.8	35.8#

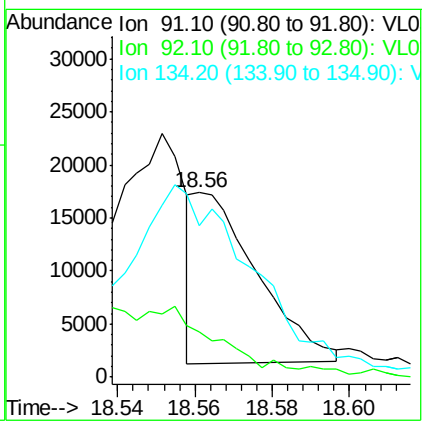


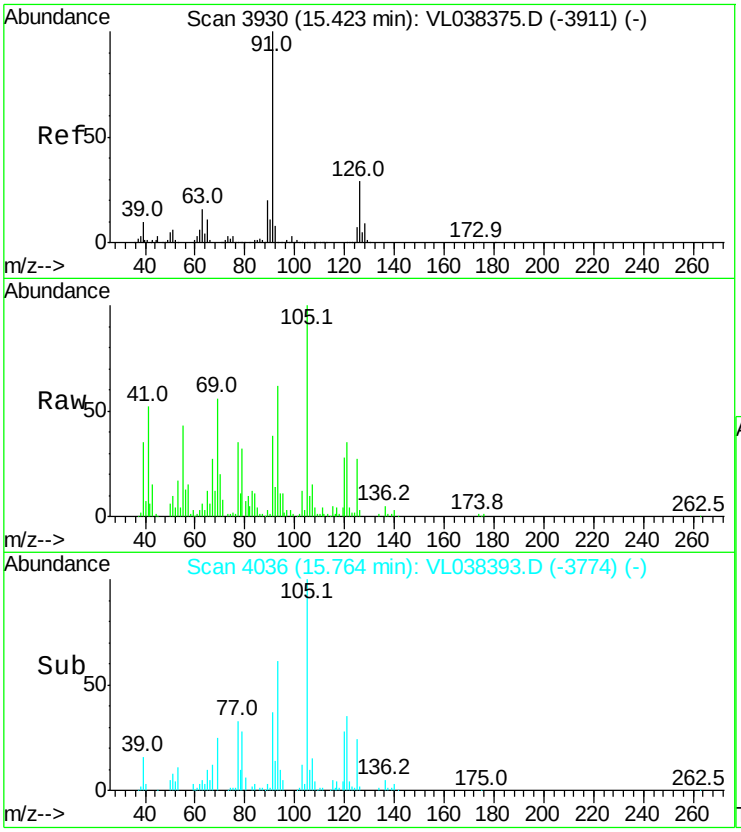


#70
n-Butylbenzene
Concen: 0.06 ppbv
RT: 18.56 min Scan# 4906
Delta R.T. 0.04 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion: 91 Resp: 18072

Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.1	64.7#
134	0.0	17.4	26.0#



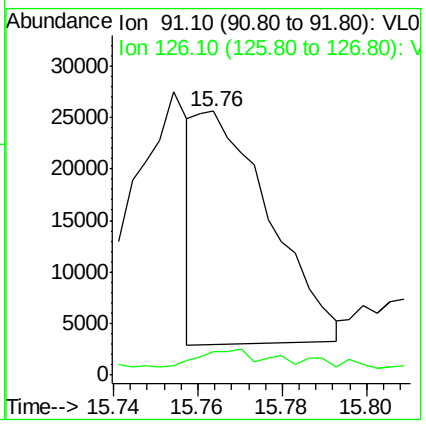


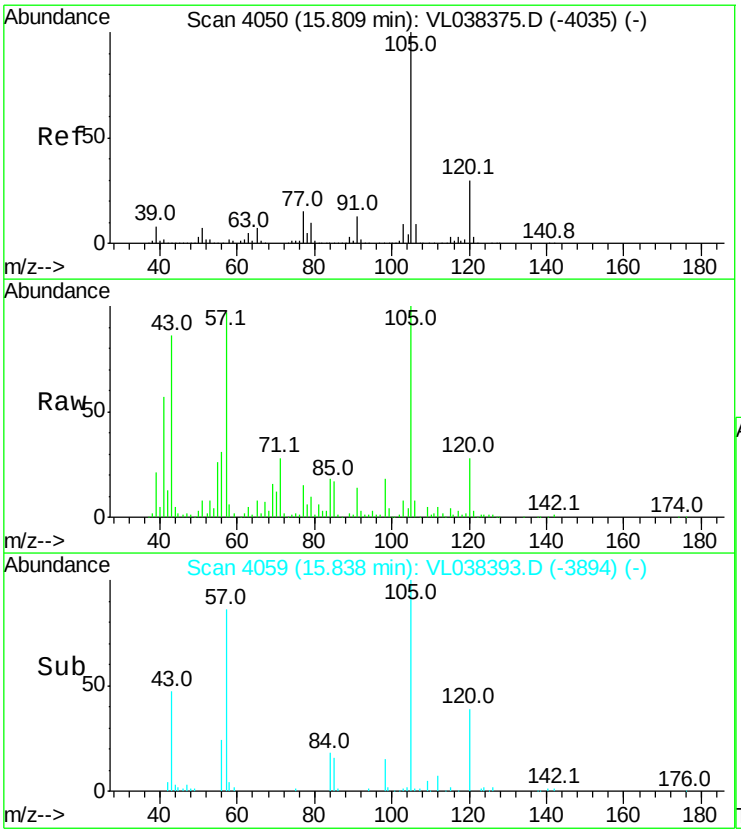
#71
2-Chlorotoluene
Concen: 0.11 ppbv
RT: 15.76
Delta R.T
Lab File:
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion: 91 Resp: 27281

Ion	Ratio	Lower	Upper
91	100		
126	22.1	11.9	47.7

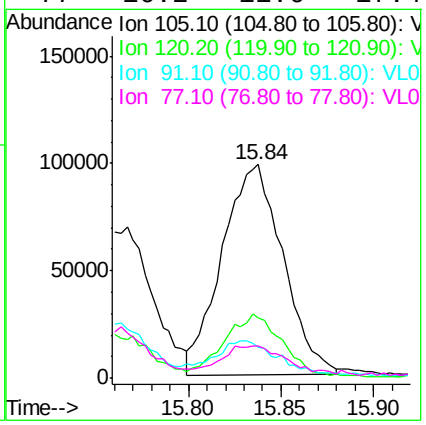


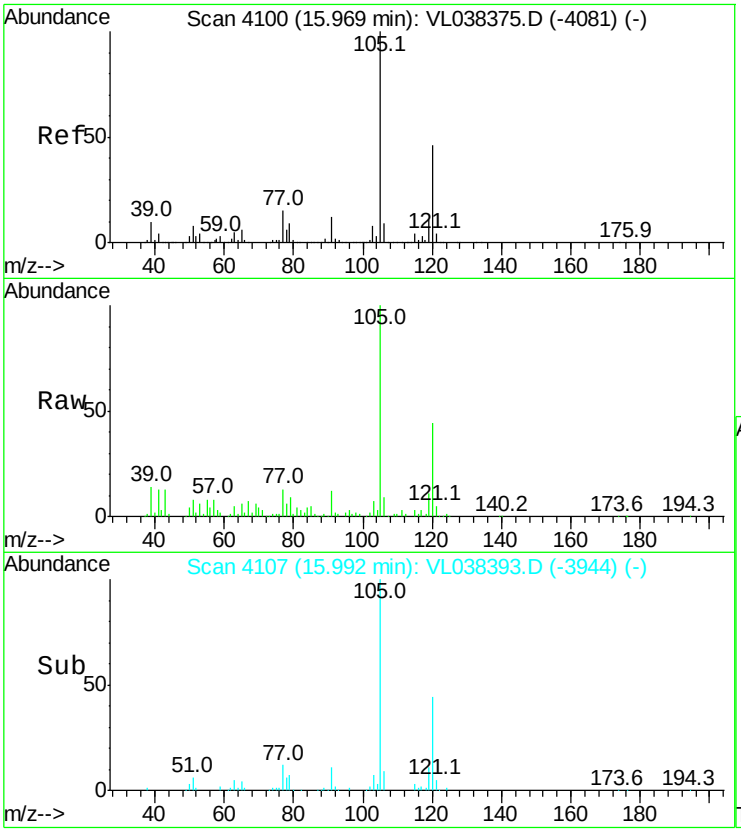


#72
4-Ethyltoluene
Concen: 0.86 ppbv
RT: 15.84 min Scan# 4059
Delta R.T. 0.03 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion:105 Resp: 223550

Ion	Ratio	Lower	Upper
105	100		
120	30.3	23.4	35.2
91	17.3	10.4	15.6#
77	16.2	11.6	17.4



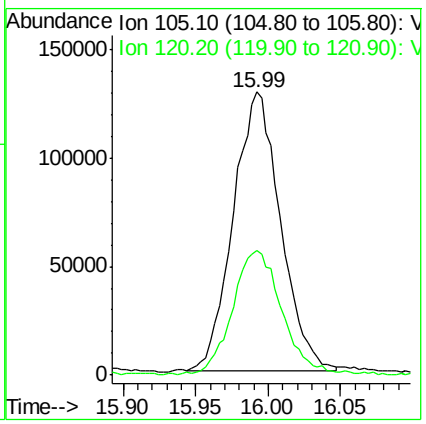


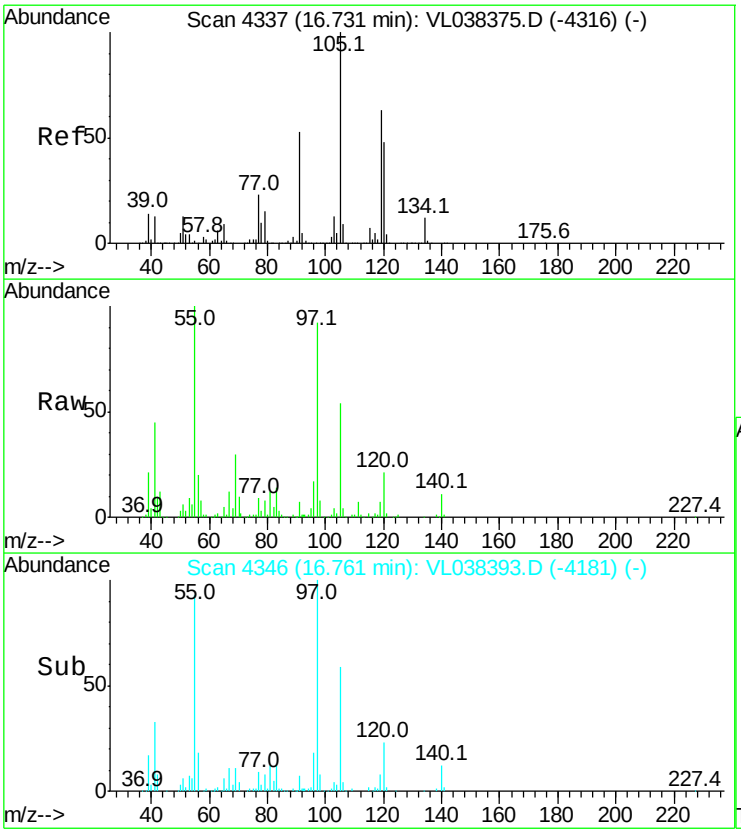
#73
1,3,5-Trimethylbenzene
Concen: 1.24 ppbv
RT: 15.99
Delta R.T
Lab File:
Acq: 22 Feb 2022 17:42

Instrument :
MSVOA_L
ClientSampleId :
MP-11

Tgt Ion:105 Resp: 291720

Ion	Ratio	Lower	Upper
105	100		
120	43.7	36.6	55.0





#74
1,2,4-Trimethylbenzene
Concen: 0.32 ppbv
RT: 16.76 min Scan# 4346
Delta R.T. 0.03 min
Lab File: VL038393.D
Acq: 22 Feb 2022 17:42

Tgt Ion:105 Resp: 80043

Ion	Ratio	Lower	Upper
105	100		
120	37.6	38.2	57.4#
91	12.9	42.7	64.1#
77	14.6	18.5	27.7#