Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040722\
Data File : VL038846.D
Acq On : 7 Apr 2022 18:14
Operator : SY/AP
Sample : N2273-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : 1160-A1-2

Quant Time: Apr 11 05:13:58 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.69	49	1279230	10.00	ppbv		0.03
33) 1,4-Difluorobenzene	7.20	114	3049073	10.00	ppbv		0.03
55) Chlorobenzene-d5	12.11	117	2723512	10.00	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	2167928	10.49	ppbv		0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	124452	0.686	ppbv		93
3) Chlorodifluoromethane	3.01	51	74041	0.474	ppbv	#	88
4) Chloromethane	3.16	50	39415	0.488	ppbv		90
9) Propene	3.23	41	227669	2.756	ppbv		95
10) Heptane	8.15	43	97157	0.467	ppbv		98
11) Trichlorofluoromethane	3.98	101	22708	0.156	ppbv		94
12) 1,1,2-Trichlorotrifluoroet	4.51	101	6055	0.054	ppbv		84
13) Ethanol	3.62	45	284415	56.660	ppbv	#	100
15) Acetone	3.87	43	2887527	22.672	ppbv		97
16) 1,3-Butadiene	3.33	39	38802	0.533	ppbv	#	9
19) Isopropyl Alcohol	3.99	45	125887	1.934	ppbv	#	100
20) Methylene Chloride	4.37	84	128596	2.784	ppbv		91
21) Allyl Chloride	4.40	41	6940	0.073	ppbv	#	30
23) Vinyl Acetate	5.08	43	57214	0.461	ppbv	#	1
25) Ethyl Acetate	5.72	43	334407	1.035	ppbv	#	86
26) Hexane	5.72	57	342300	2.327	ppbv	#	50
30) Cyclohexane	7.16	84	26958	0.208	ppbv	#	22
34) 2-Butanone	5.28	43	271014	2.249	ppbv		92
35) Carbon Tetrachloride	7.04	117	8370	0.046	ppbv		93
36) Benzene	6.92	78	118778	0.428	ppbv		98
39) 1,2-Dichloropropane	7.20	63	825468	7.781	ppbv	#	26
44) 2,2,4-Trimethylpentane	7.90	57	35391	0.075	ppbv	#	43
50) 4-Methyl-2-Pentanone	8.78	43	9249	0.034	ppbv	#	39
52) Tetrachloroethene	11.24	164	45737	0.472	ppbv	#	80
53) Toluene	9.83	91	1328635	4.149	ppbv		99
58) Ethyl Benzene	12.73	91	344410	0.846	ppbv		89
59) m/p-Xylene	12.99	91	1006301	2.943	ppbv		100
60) o-Xylene	13.71	91	352151	1.101	ppbv		95
61) Styrene	13.55	104	291284	1.494	ppbv		97
64) n-propylbenzene	15.59	120	4640	0.037	ppbv	#	1
65) tert-Butylbenzene	16.78	119	13297	0.031	ppbv	#	6
72) 4-Ethyltoluene	15.86	105	23513	0.062	ppbv	#	21
73) 1,3,5-Trimethylbenzene	16.02	105	25467	0.074	ppbv	#	70
74) 1,2,4-Trimethylbenzene	16.78	105	104705	0.289	ppbv	#	63

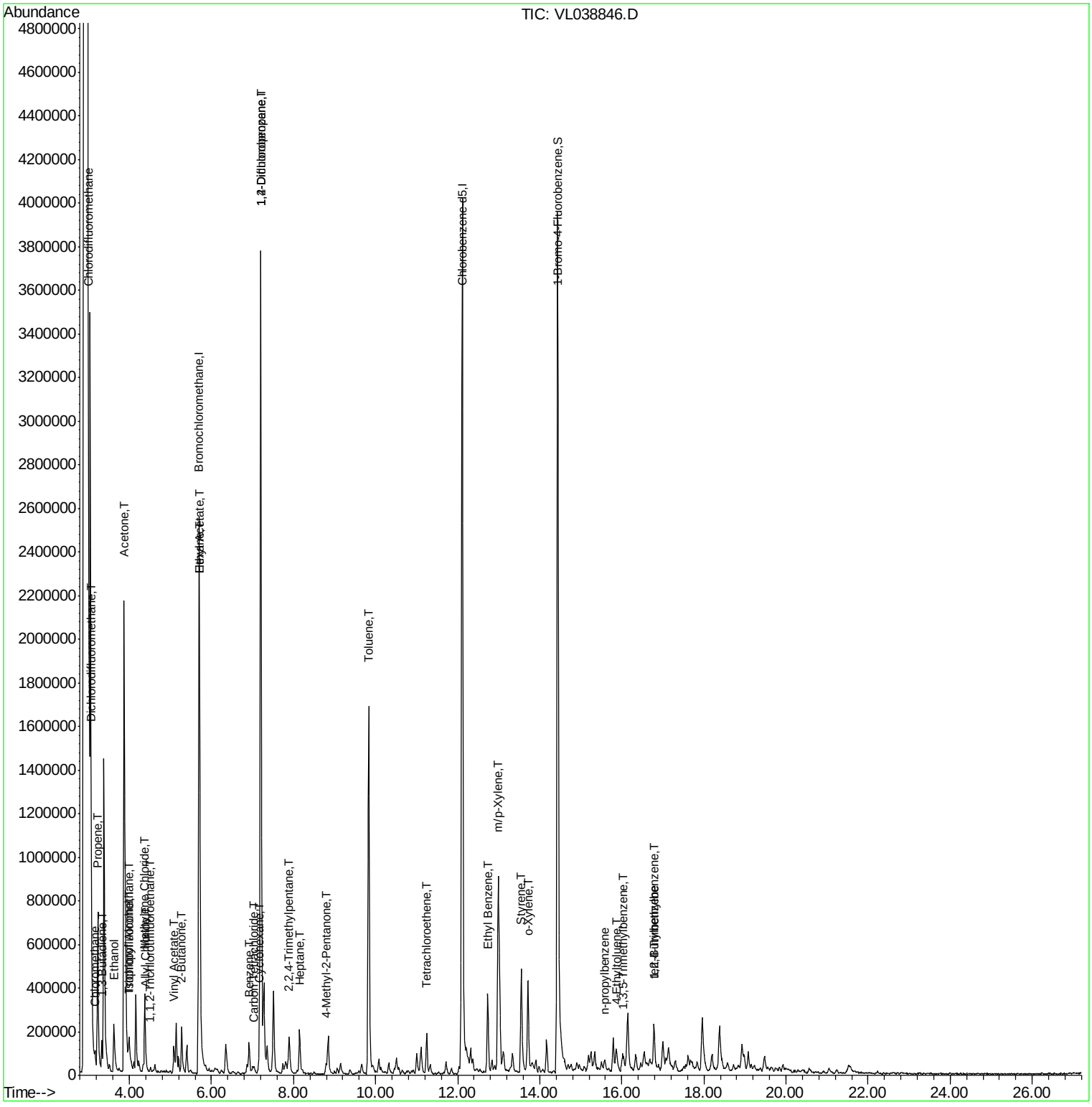
(#) = qualifier out of range (m) = manual integration (+) = signals summed

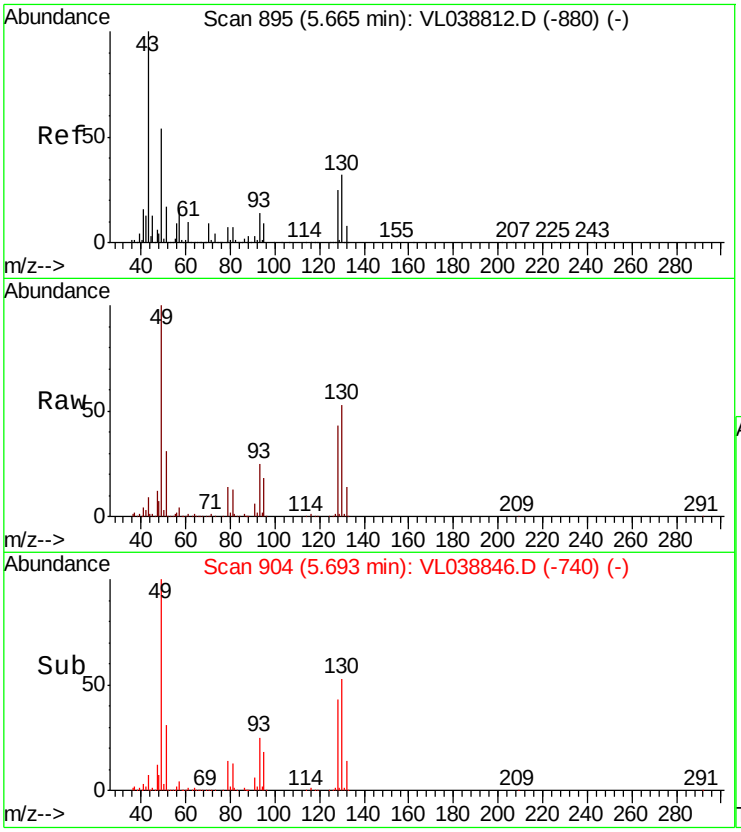
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL040722\
Data File : VL038846.D
Acq On : 7 Apr 2022 18:14
Operator : SY/AP
Sample : N2273-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
1160-A1-2

Quant Time: Apr 11 05:13:58 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration



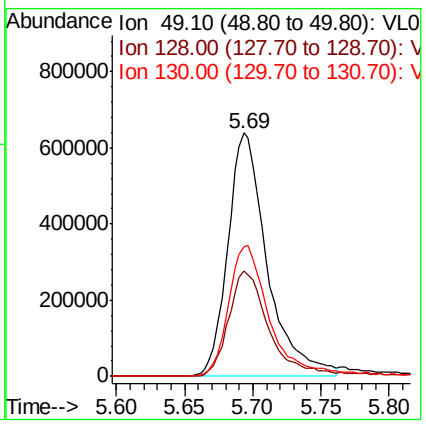


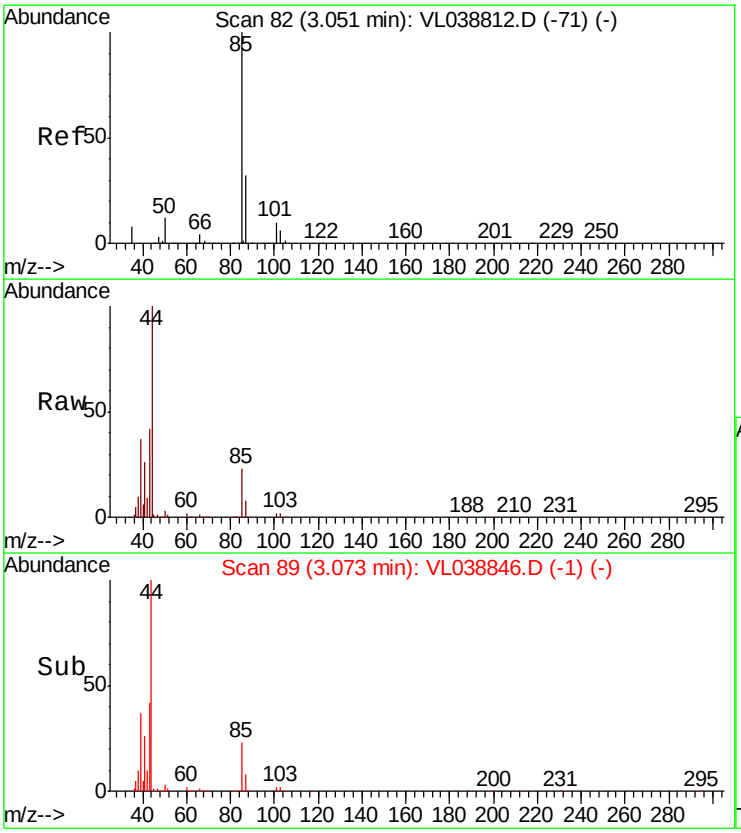
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 7 Apr 2022 18:14

Instrument :
MSVOA_L
ClientSampleId :
1160-A1-2

Tgt Ion: 49 Resp: 1279230

Ion	Ratio	Lower	Upper
49	100		
128	45.2	24.1	72.3
130	58.0	30.9	92.8

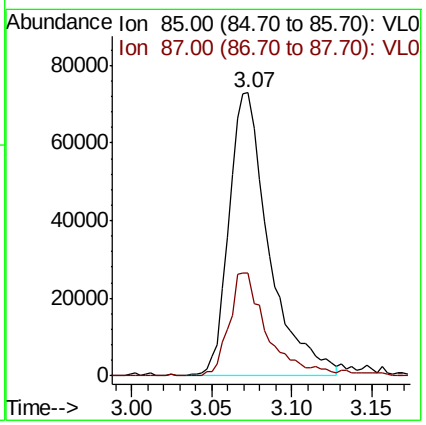


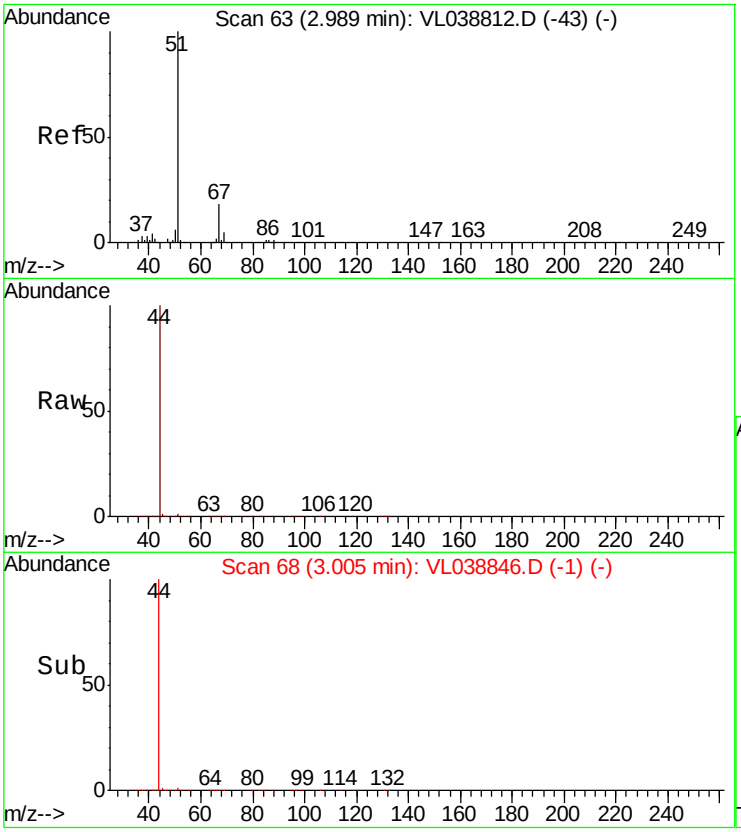


#2
Dichlorodifluoromethane
Concen: 0.686 ppbv
RT: 3.07 min Scan# 89
Delta R.T. 0.02 min
Lab File: VL038846.D
Acq: 7 Apr 2022 18:14

Tgt Ion: 85 Resp: 124452

Ion	Ratio	Lower	Upper
85	100		
87	36.3	25.9	38.9



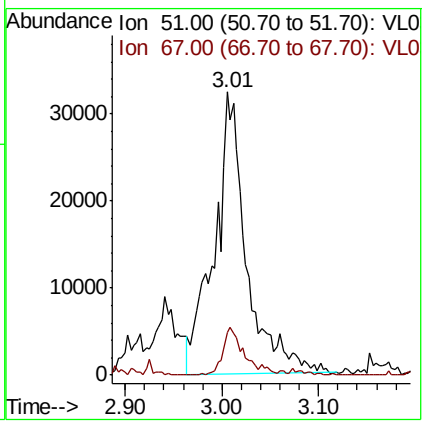


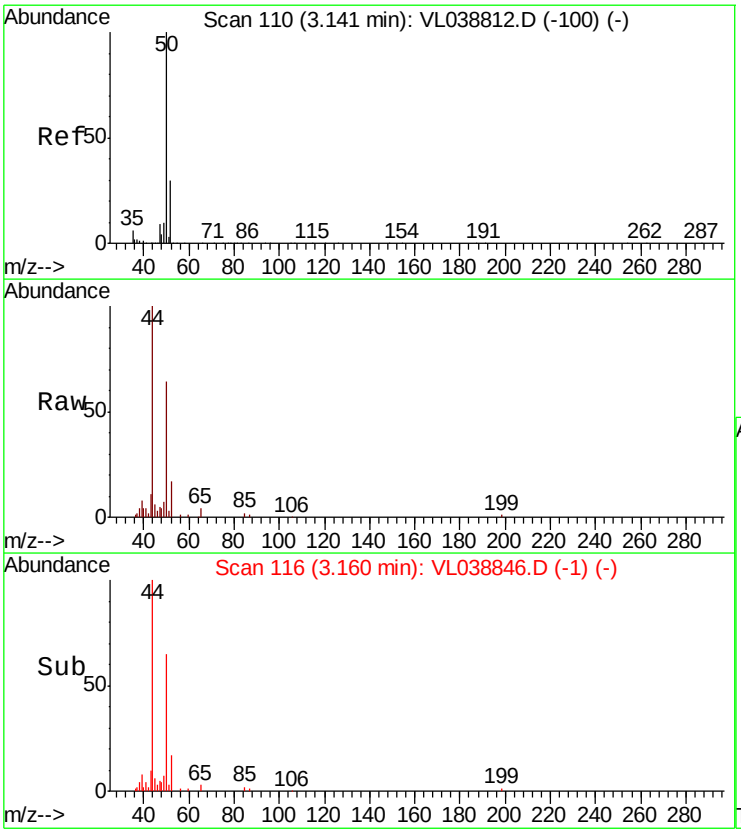
#3
Chlorodifluoromethane
Concen: 0.474 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 7 Apr 2022 18:14

Instrument :
MSVOA_L
ClientSampleId :
1160-A1-2

Tgt Ion: 51 Resp: 74041

Ion	Ratio	Lower	Upper
51	100		
67	11.7	13.4	20.0#

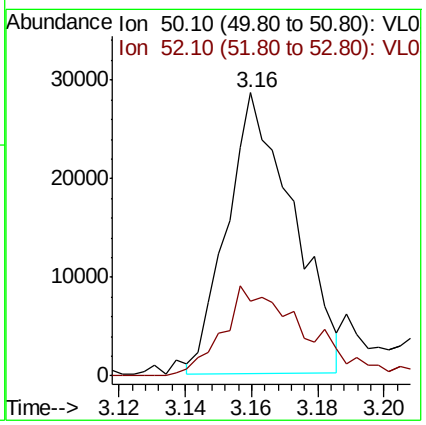


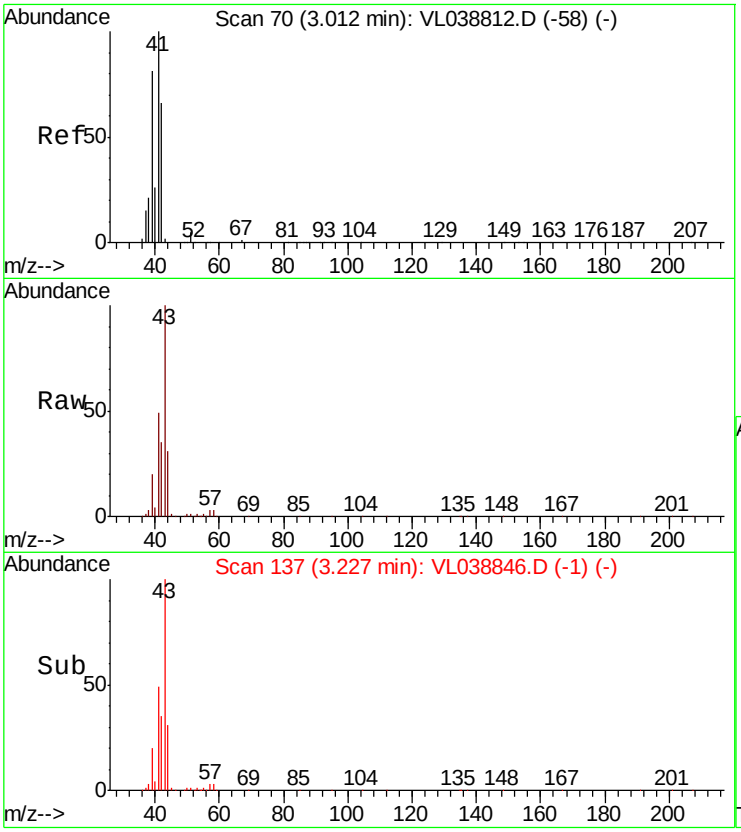


#4
Chloromethane
Concen: 0.488 ppbv
RT: 3.16 min Scan# 116
Delta R.T. 0.02 min
Lab File: VL038846.D
Acq: 7 Apr 2022 18:14

Tgt Ion: 50 Resp: 39415

Ion	Ratio	Lower	Upper
50	100		
52	24.9	24.3	36.5



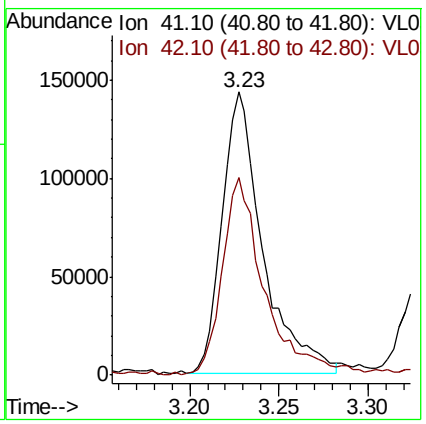


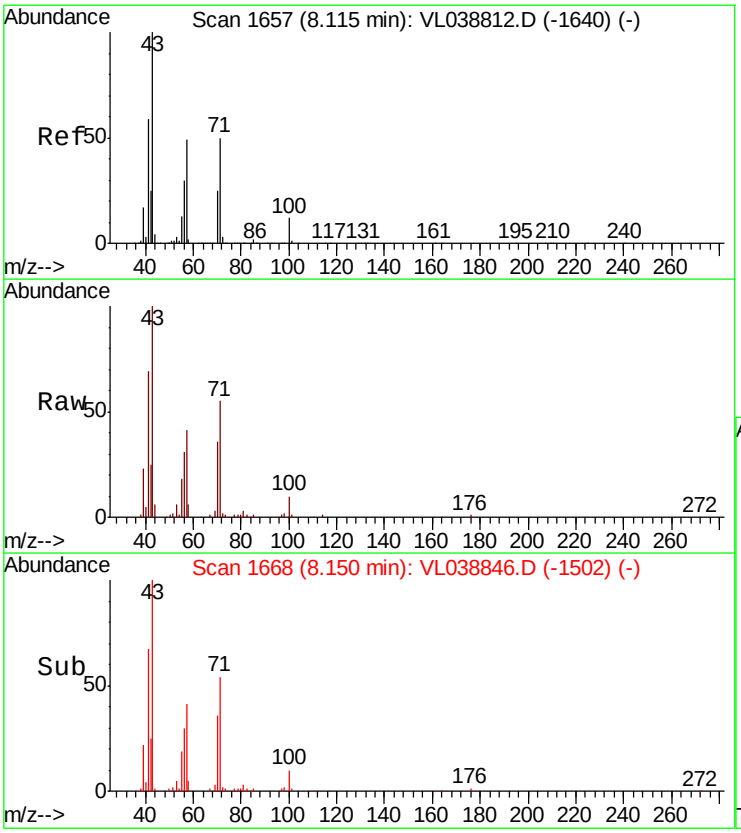
#9
Propene
Concen: 2.756 ppbv
RT: 3.23
Delta R.T
Lab File:
Acq: 7 Apr 2022 18:14

Instrument :
MSVOA_L
ClientSampleId :
1160-A1-2

Tgt Ion: 41 Resp: 227669

Ion	Ratio	Lower	Upper
41	100		
42	71.9	54.2	81.4

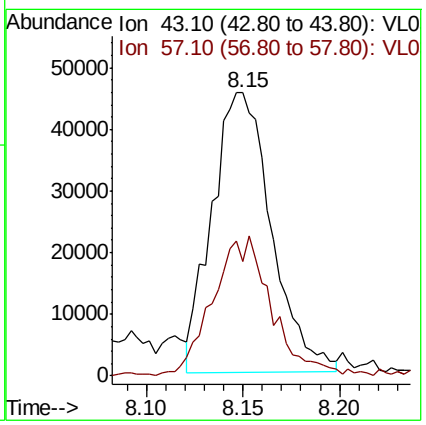


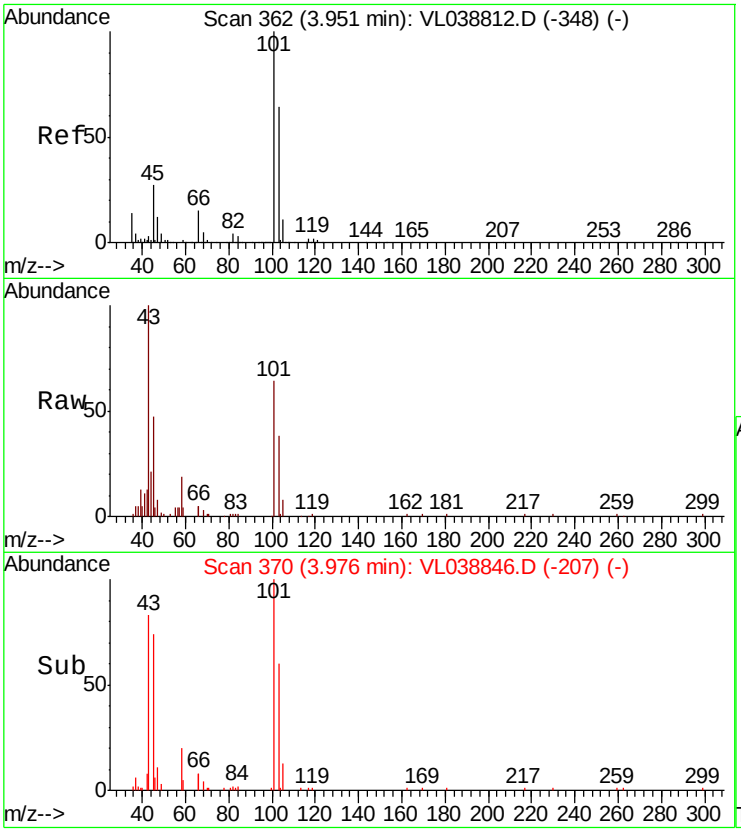


#10
Heptane
Concen: 0.467 ppbv
RT: 8.15 min Scan# 1668
Delta R.T. 0.04 min
Lab File: VL038846.D
Acq: 7 Apr 2022 18:14

Tgt Ion: 43 Resp: 97157

Ion	Ratio	Lower	Upper
43	100		
57	50.8	39.3	58.9



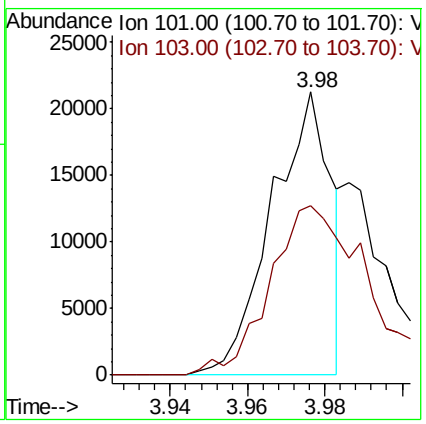


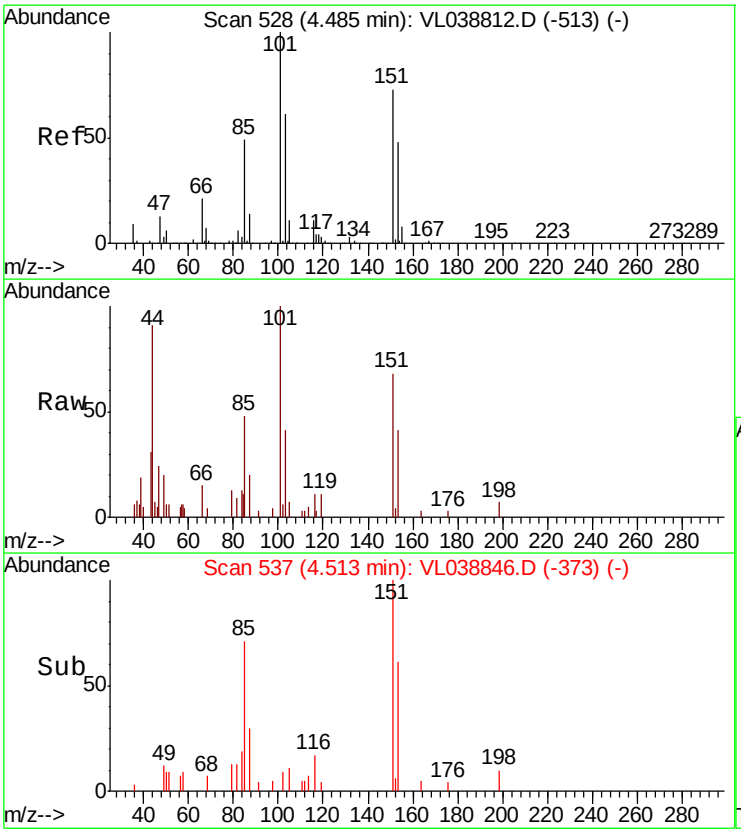
#11
Trichlorofluoromethane
Concen: 0.156 ppbv
RT: 3.98
Delta R.T
Lab File:
Acq: 7 Apr 2022 18:14

Instrument :
MSVOA_L
ClientSampleId :
1160-A1-2

Tgt Ion:101 Resp: 22708

Ion	Ratio	Lower	Upper
101	100		
103	59.8	51.4	77.0

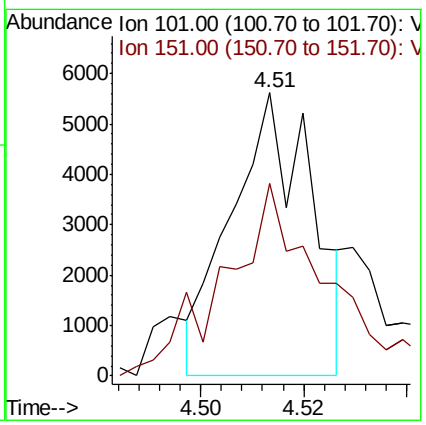


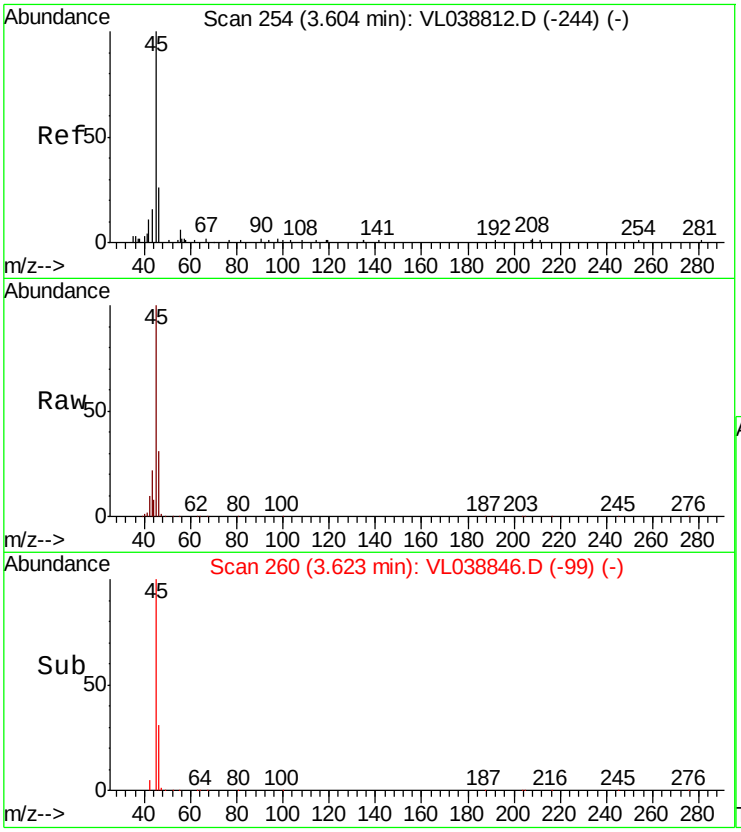


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.054 ppbv
RT: 4.51 min Scan# 537
Delta R.T. 0.03 min
Lab File: VL038846.D
Acq: 7 Apr 2022 18:14

Tgt Ion:101 Resp: 6055

Ion	Ratio	Lower	Upper
101	100		
151	88.7	59.9	89.9



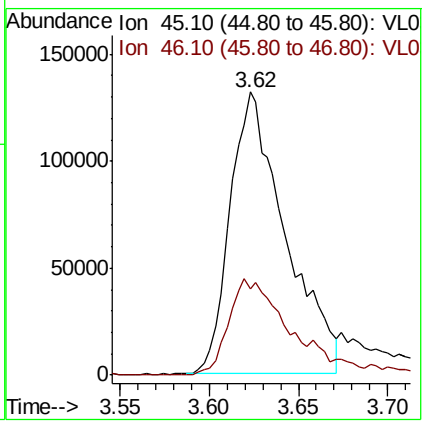


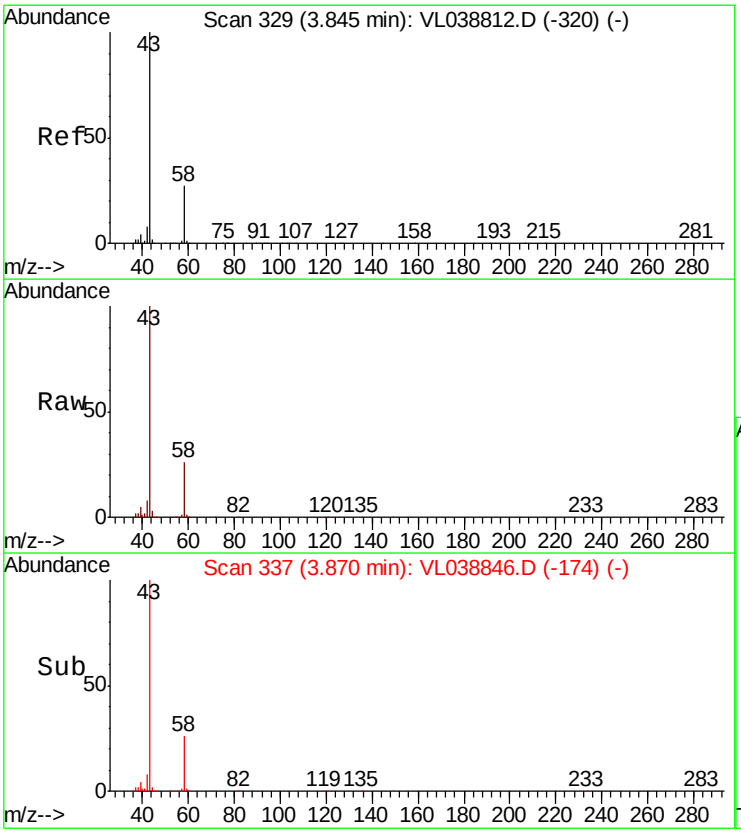
#13
Ethanol
Concen: 56.660 ppbv
RT: 3.62
Delta R.T
Lab File:
Acq: 7 Apr 2022 18:14

Instrument :
MSVOA_L
ClientSampleId :
1160-A1-2

Tgt Ion: 45 Resp: 284415

Ion	Ratio	Lower	Upper
45	100		
46	42.6	0.0	0.0#

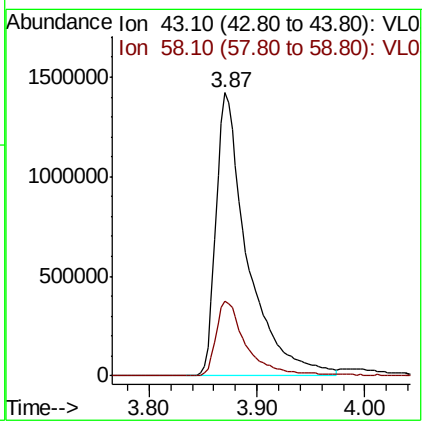


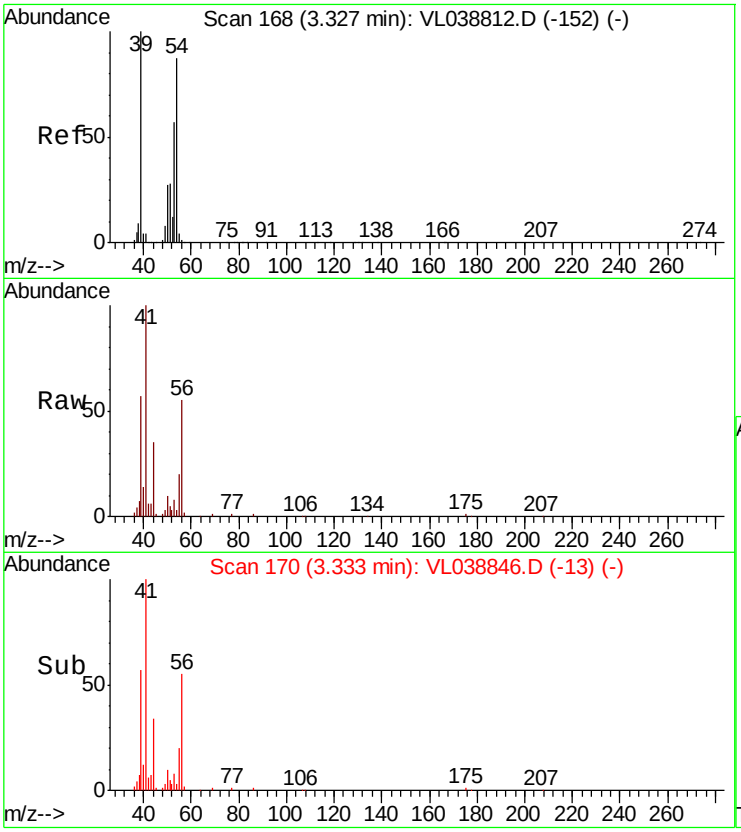


#15
Acetone
Concen: 22.672 ppbv
RT: 3.87 min Scan# 337
Delta R.T. 0.03 min
Lab File: VL038846.D
Acq: 7 Apr 2022 18:14

Tgt Ion: 43 Resp: 2887527

Ion	Ratio	Lower	Upper
43	100		
58	26.3	22.5	33.7



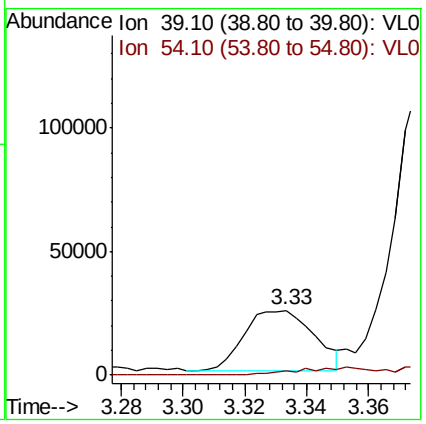


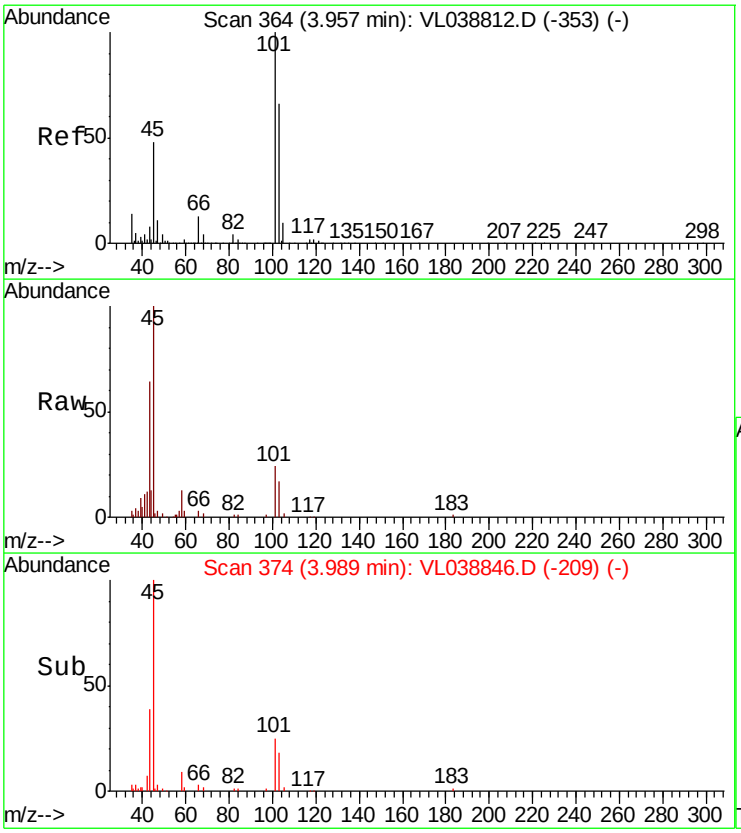
#16
1,3-Butadiene
Concen: 0.533 ppbv
RT: 3.33
Delta R.T
Lab File:
Acq: 7 Apr 2022 18:14

Instrument :
MSVOA_L
ClientSampleId :
1160-A1-2

Tgt Ion: 39 Resp: 38802

Ion	Ratio	Lower	Upper
39	100		
54	0.0	64.8	97.2#

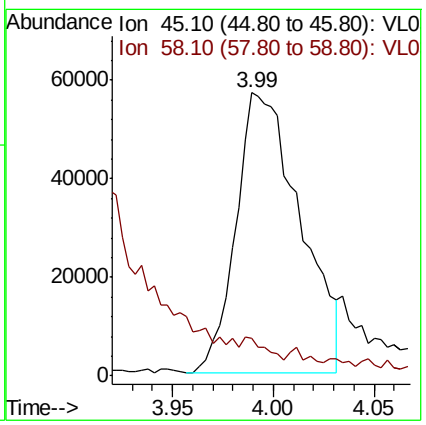


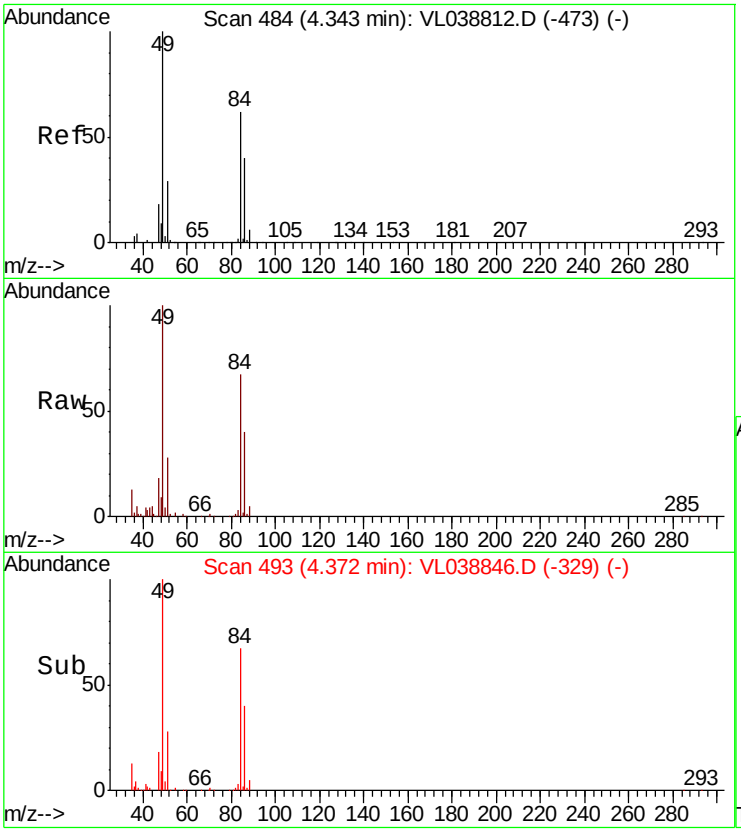


#19
Isopropyl Alcohol
Concen: 1.934 ppbv
RT: 3.99 min Scan# 374
Delta R.T. 0.03 min
Lab File: VL038846.D
Acq: 7 Apr 2022 18:14

Tgt Ion: 45 Resp: 125887

Ion	Ratio	Lower	Upper
45	100		
58	601.7	0.0	0.0#



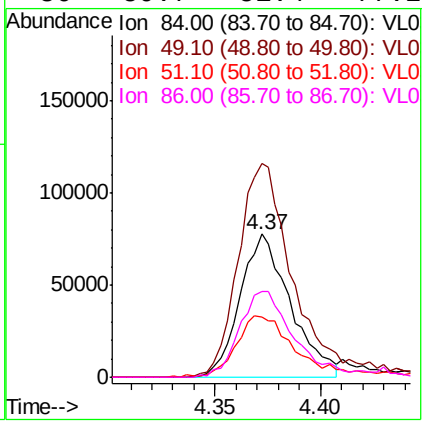


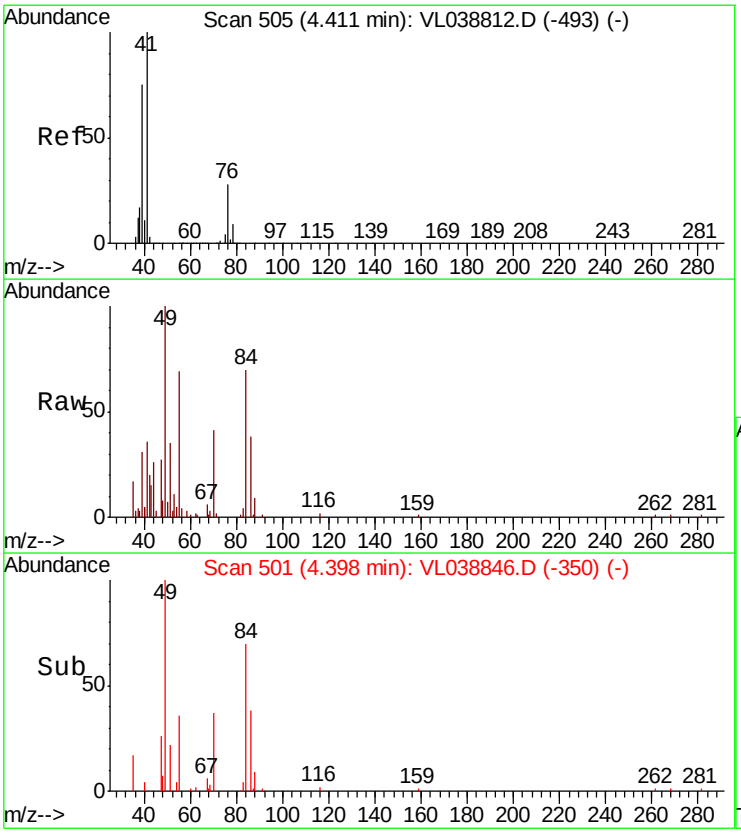
#20
Methylene Chloride
Concen: 2.784 ppbv
RT: 4.37
Delta R.T
Lab File:
Acq: 7 Apr 2022 18:14

Instrument :
MSVOA_L
ClientSampleId :
1160-A1-2

Tgt Ion: 84 Resp: 128596

Ion	Ratio	Lower	Upper
84	100		
49	148.9	129.4	194.0
51	40.3	37.4	56.2
86	59.7	51.4	77.2

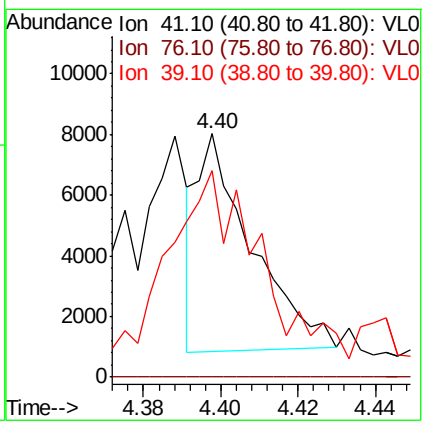


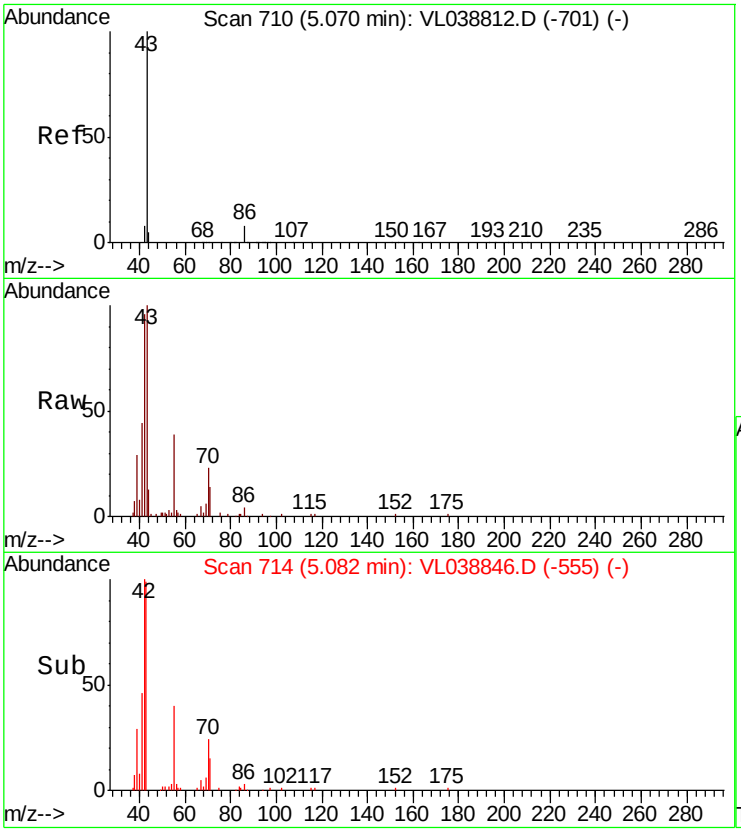


#21
Allyl Chloride
Concen: 0.073 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.01 min
Lab File: VL038846.D
Acq: 7 Apr 2022 18:14

Tgt Ion: 41 Resp: 6940

Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.7	35.5#
39	142.6	62.0	93.0#



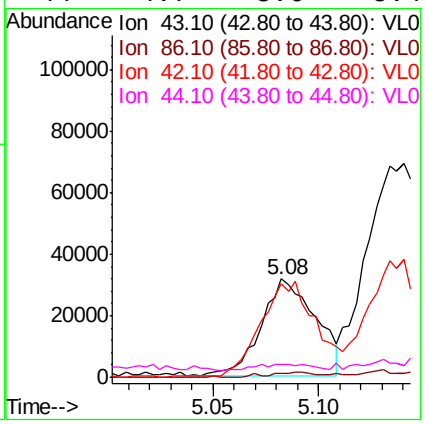


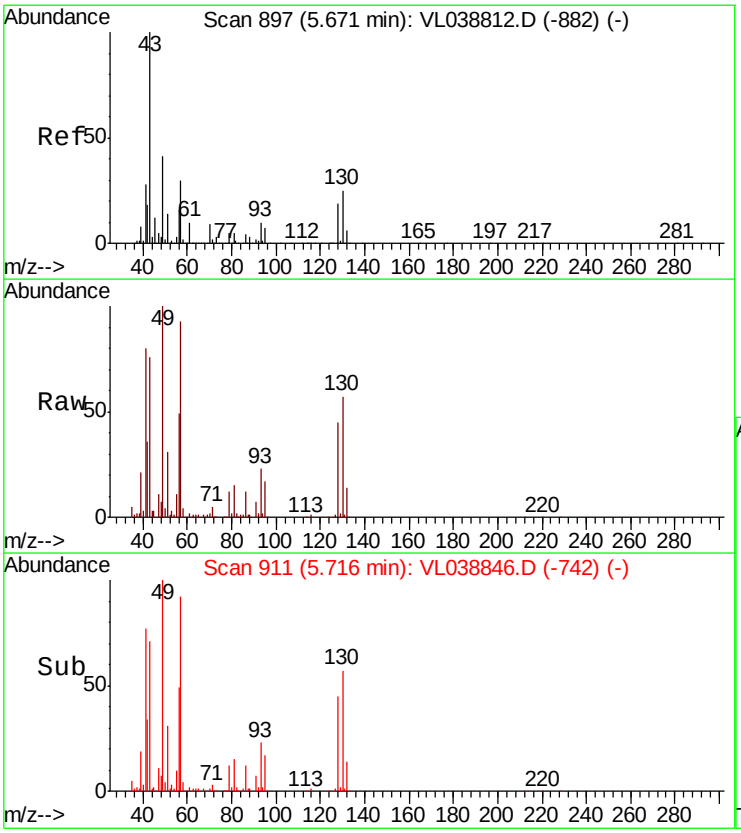
#23
Vinyl Acetate
Concen: 0.461 ppbv
RT: 5.08
Delta R.T
Lab File:
Acq: 7 Apr 2022 18:14

Instrument :
MSVOA_L
ClientSampleId :
1160-A1-2

Tgt Ion: 43 Resp: 57214

Ion	Ratio	Lower	Upper
43	100		
86	3.9	5.8	8.6#
42	95.7	7.8	11.6#
44	4.7	3.6	5.4

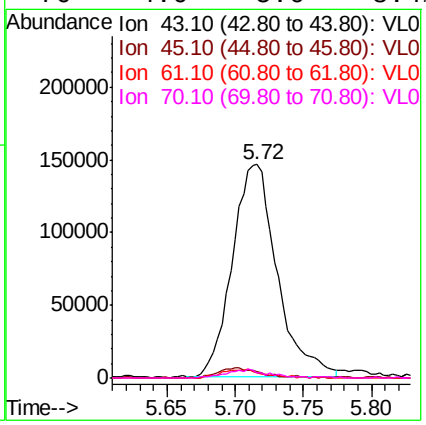


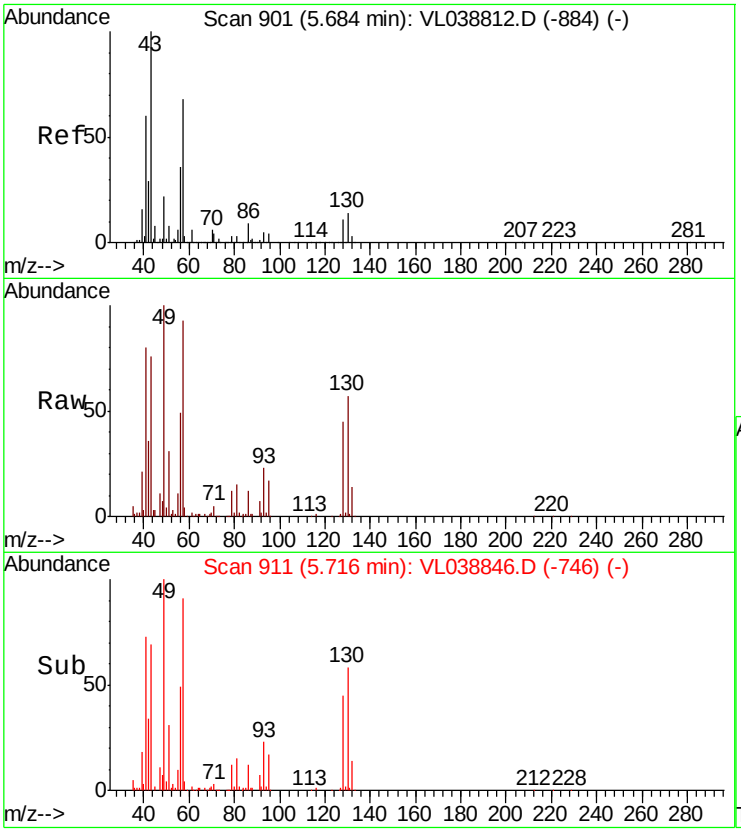


#25
Ethyl Acetate
Concen: 1.035 ppbv
RT: 5.72 min Scan# 911
Delta R.T. 0.04 min
Lab File: VL038846.D
Acq: 7 Apr 2022 18:14

Tgt Ion: 43 Resp: 334407

Ion	Ratio	Lower	Upper
43	100		
45	4.8	8.4	12.6#
61	4.0	7.9	11.9#
70	4.0	5.6	8.4#



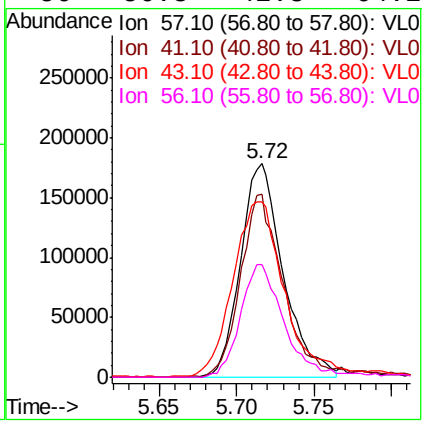


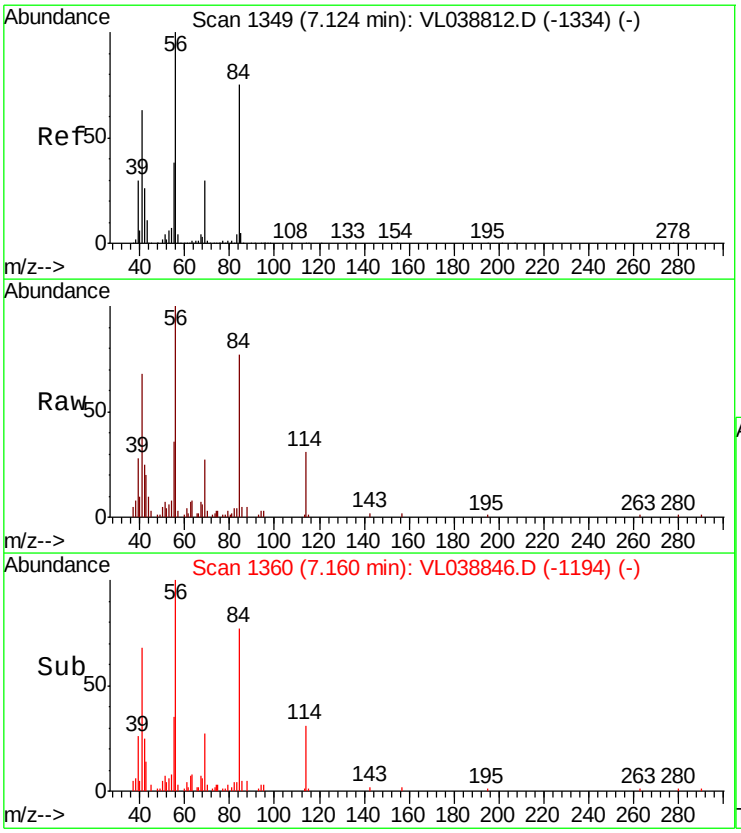
#26
Hexane
Concen: 2.327 ppbv
RT: 5.72
Delta R.T
Lab File:
Acq: 7 Apr 2022 18:14

Instrument :
MSVOA_L
ClientSampleId :
1160-A1-2

Tgt Ion: 57 Resp: 342300

Ion	Ratio	Lower	Upper
57	100		
41	89.1	72.0	108.0
43	100.5	186.6	280.0#
56	56.3	42.8	64.2

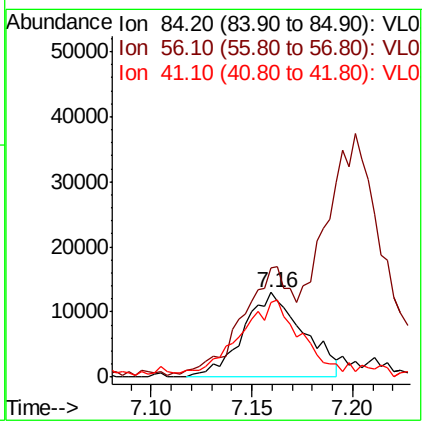


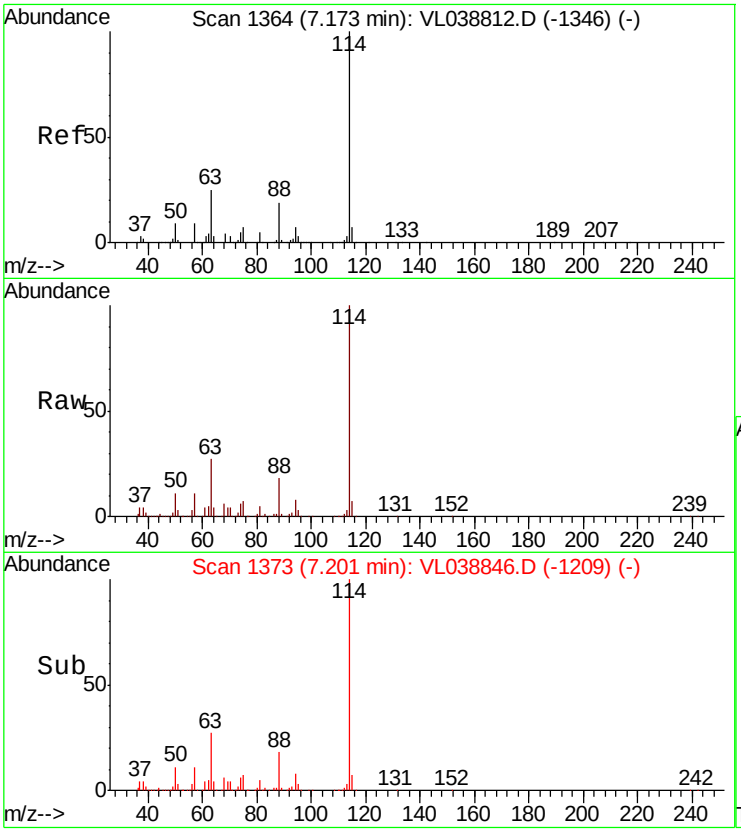


#30
Cyclohexane
Concen: 0.208 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.04 min
Lab File: VL038846.D
Acq: 7 Apr 2022 18:14

Tgt Ion: 84 Resp: 26958

Ion	Ratio	Lower	Upper
84	100		
56	0.0	114.4	171.6#
41	98.9	69.0	103.4



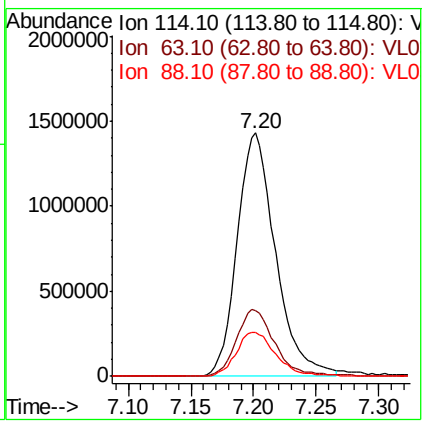


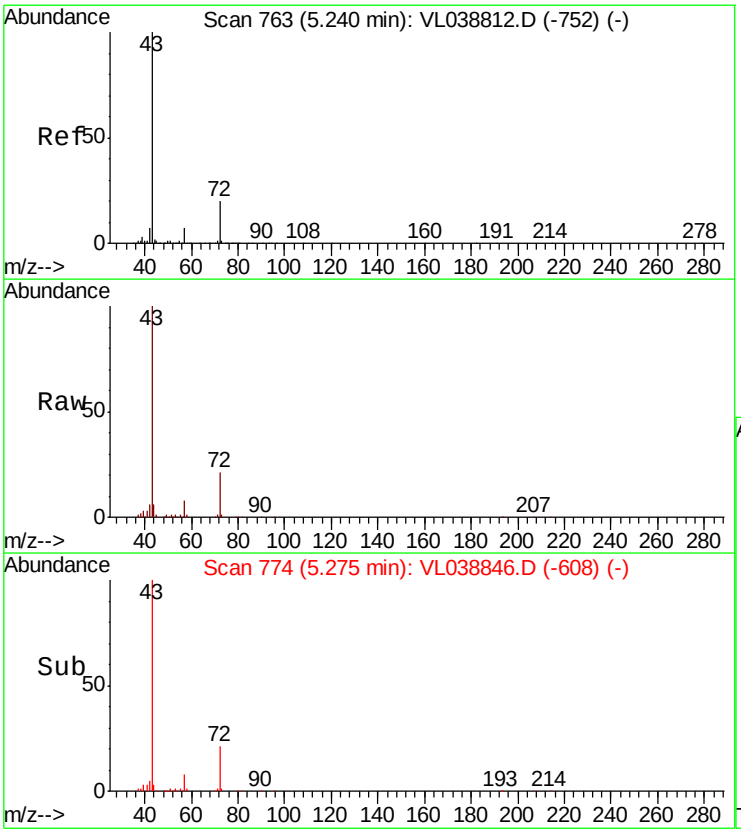
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20
Delta R.T
Lab File:
Acq: 7 Apr 2022 18:14

Instrument :
MSVOA_L
ClientSampleId :
1160-A1-2

Tgt Ion:114 Resp: 3049073

Ion	Ratio	Lower	Upper
114	100		
63	27.8	19.8	29.8
88	18.9	14.2	21.4

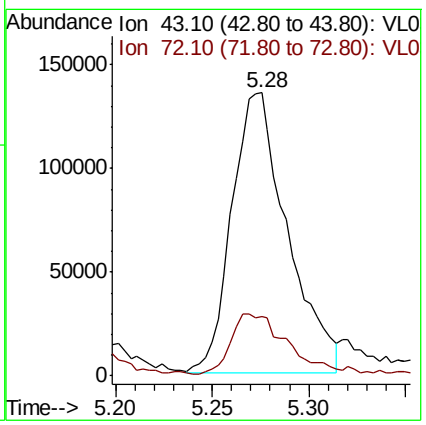


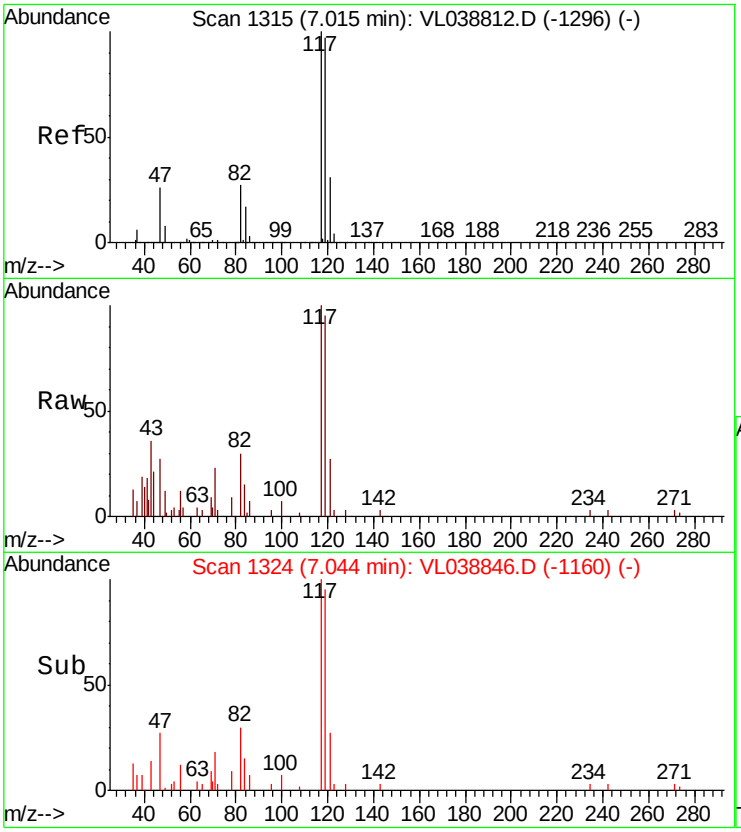


#34
2-Butanone
Concen: 2.249 ppbv
RT: 5.28 min Scan# 774
Delta R.T. 0.04 min
Lab File: VL038846.D
Acq: 7 Apr 2022 18:14

Tgt Ion: 43 Resp: 271014

Ion	Ratio	Lower	Upper
43	100		
72	25.0	16.9	25.3



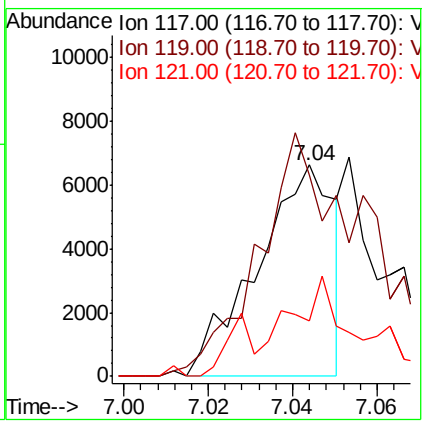


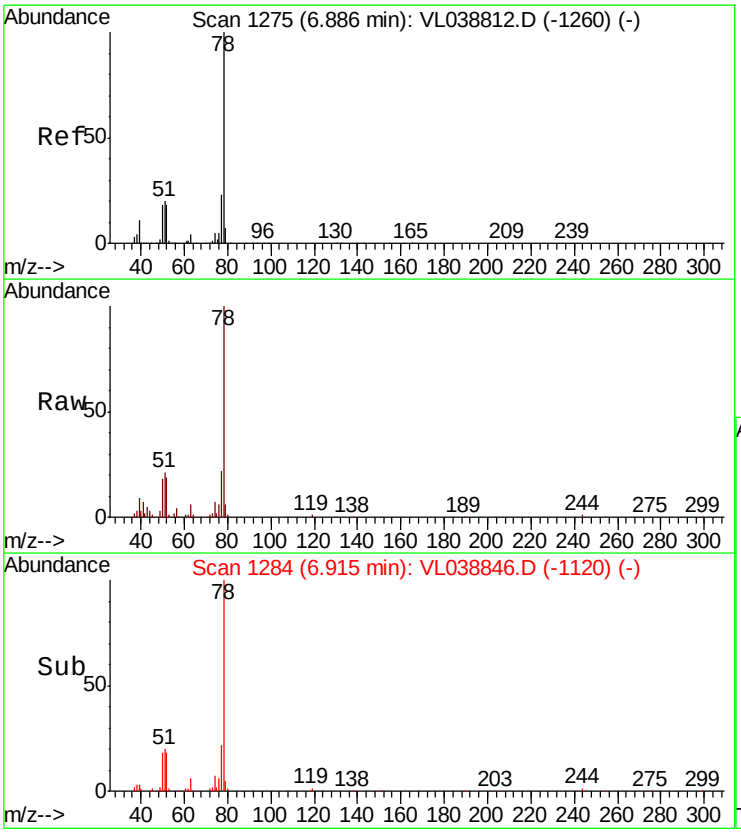
#35
Carbon Tetrachloride
Concen: 0.046 ppbv
RT: 7.04
Delta R.T
Lab File:
Acq: 7 Apr 2022 18:14

Instrument :
MSVOA_L
ClientSampleId :
1160-A1-2

Tgt Ion:117 Resp: 8370

Ion	Ratio	Lower	Upper
117	100		
119	90.7	77.7	116.5
121	26.5	24.5	36.7

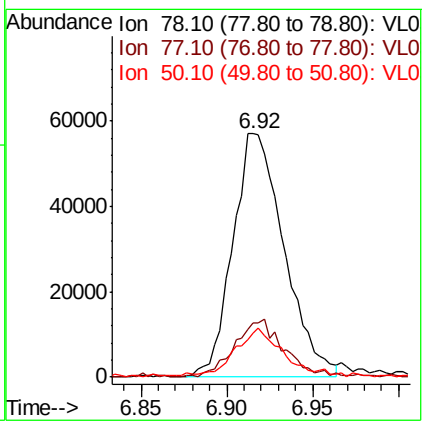


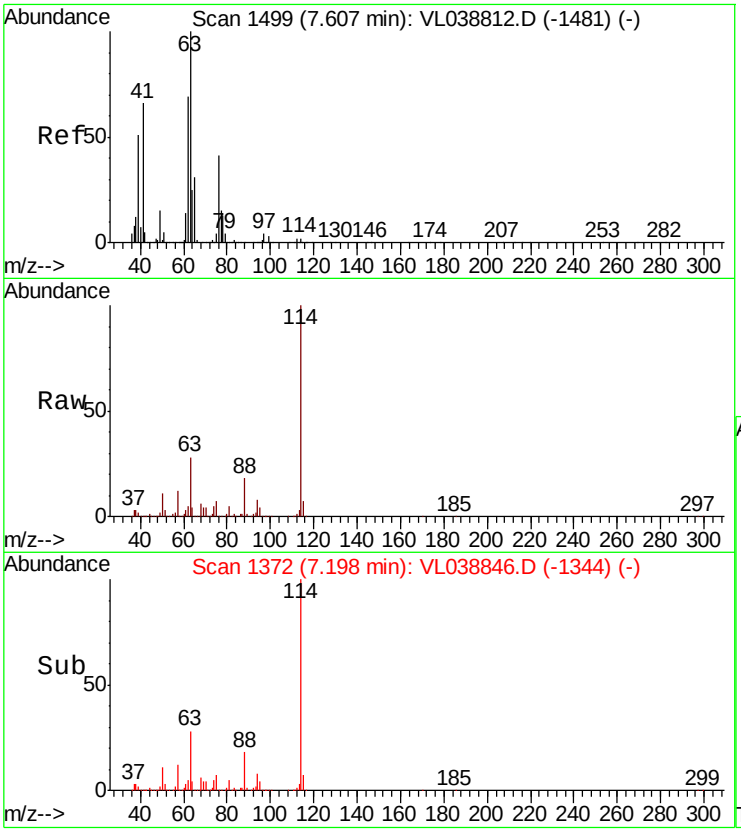


#36
Benzene
Concen: 0.428 ppbv
RT: 6.92 min Scan# 1284
Delta R.T. 0.03 min
Lab File: VL038846.D
Acq: 7 Apr 2022 18:14

Tgt Ion: 78 Resp: 118778

Ion	Ratio	Lower	Upper
78	100		
77	21.4	18.2	27.2
50	16.9	14.0	21.0



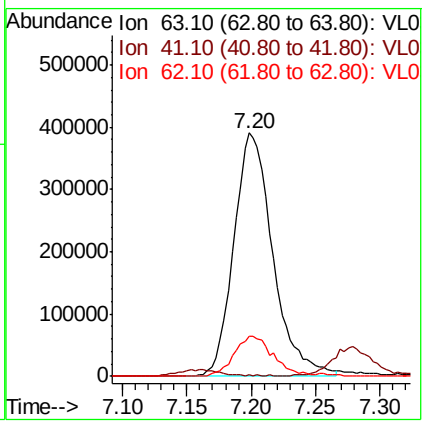


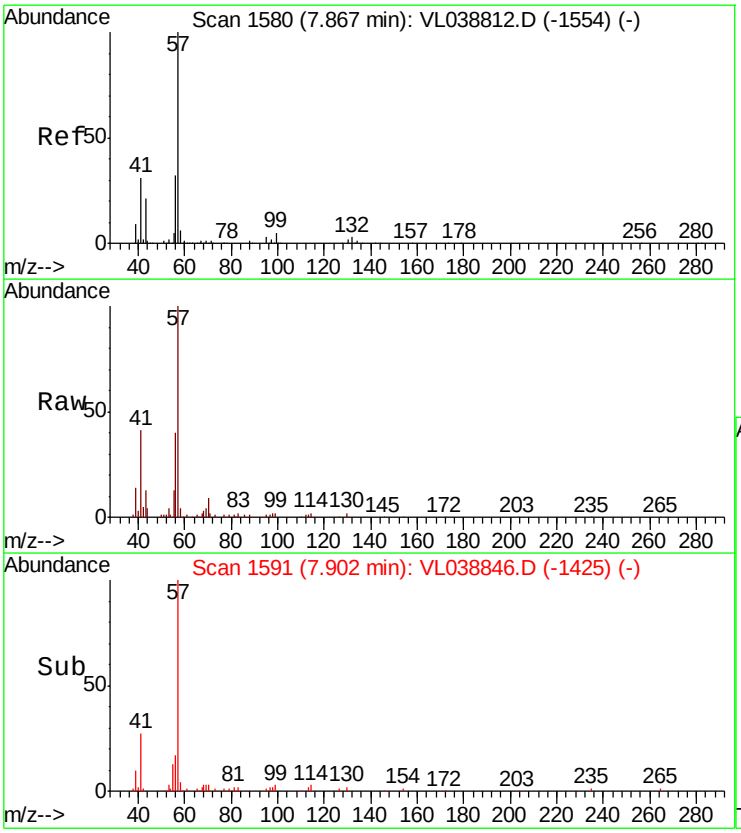
#39
1,2-Dichloropropane
Concen: 7.781 ppbv
RT: 7.20
Delta R.T
Lab File:
Acq: 7 Apr 2022 18:14

Instrument :
MSVOA_L
ClientSampleId :
1160-A1-2

Tgt Ion: 63 Resp: 825468

Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.0	79.6#
62	16.5	55.0	82.4#

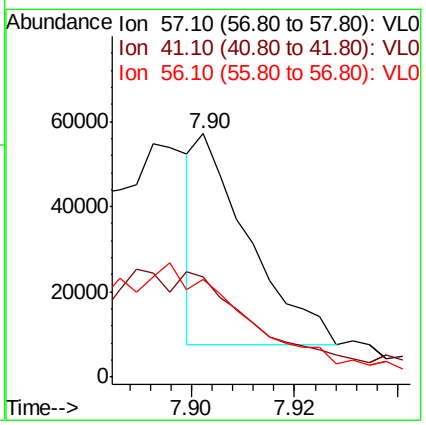


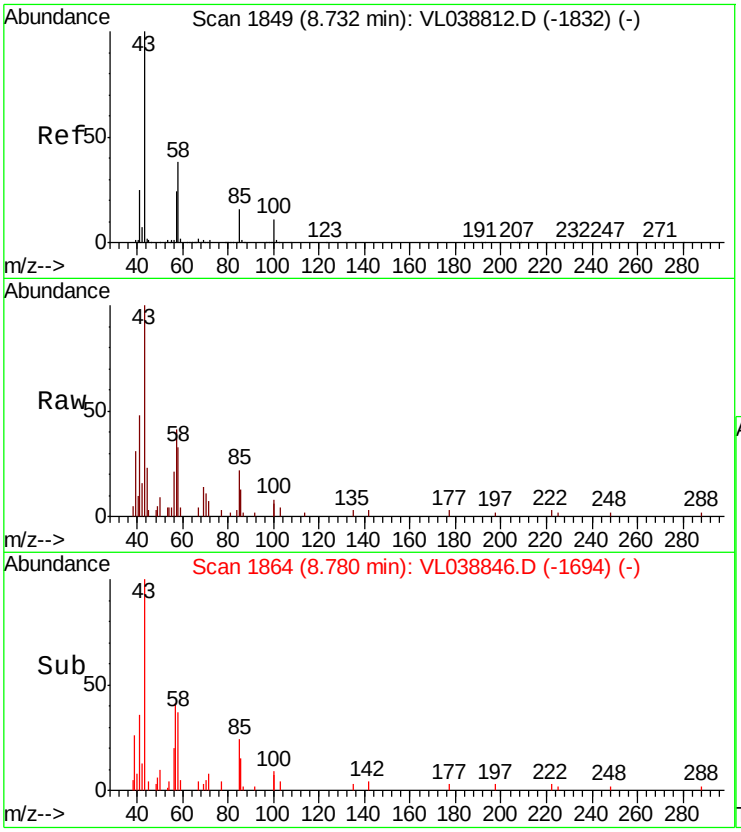


#44
2,2,4-Trimethylpentane
Concen: 0.075 ppbv
RT: 7.90 min Scan# 1591
Delta R.T. 0.04 min
Lab File: VL038846.D
Acq: 7 Apr 2022 18:14

Tgt Ion: 57 Resp: 35391

Ion	Ratio	Lower	Upper
57	100		
41	0.0	25.0	37.4#
56	0.0	25.3	37.9#



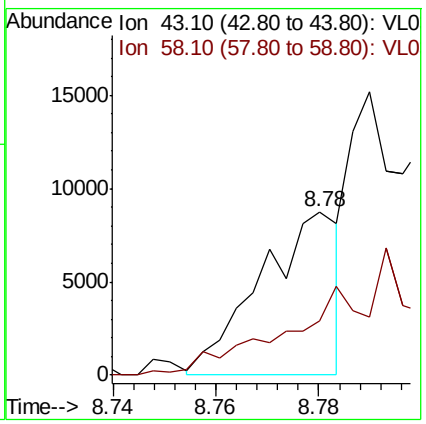


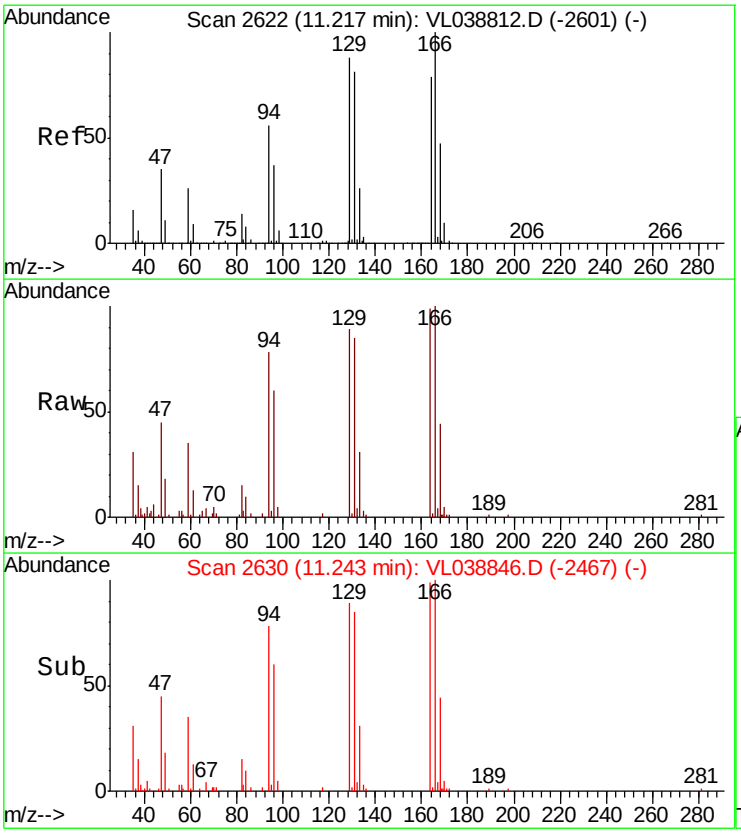
#50
4-Methyl-2-Pentanone
Concen: 0.034 ppbv
RT: 8.78
Delta R.T
Lab File:
Acq: 7 Apr 2022 18:14

Instrument :
MSVOA_L
ClientSampleId :
1160-A1-2

Tgt Ion: 43 Resp: 9249

Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.0	43.6#

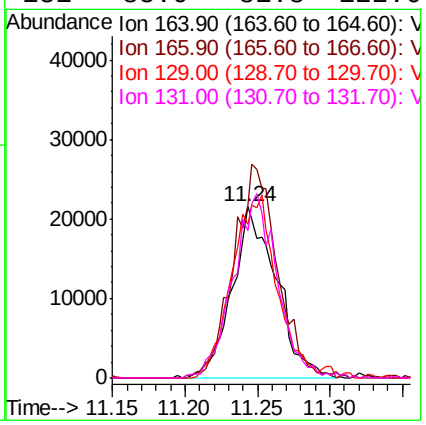


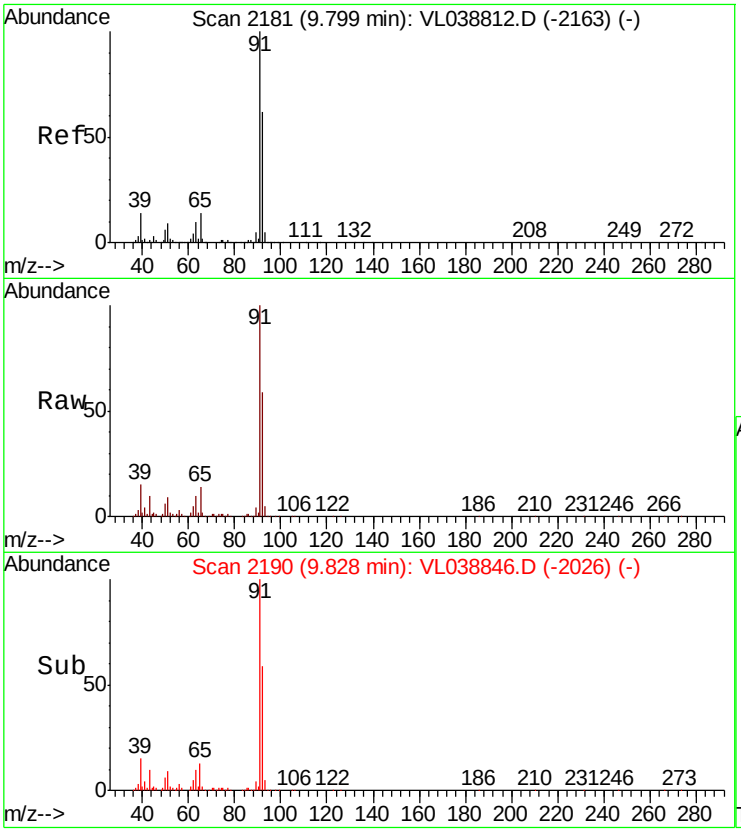


#52
Tetrachloroethene
Concen: 0.472 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.03 min
Lab File: VL038846.D
Acq: 7 Apr 2022 18:14

Tgt Ion:164 Resp: 45737

Ion	Ratio	Lower	Upper
164	100		
166	99.7	101.0	151.6#
129	89.8	88.7	133.1
131	85.0	81.8	122.6



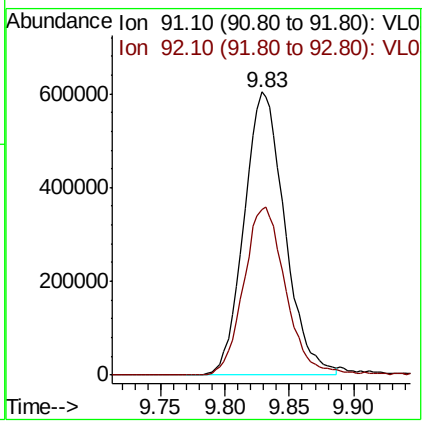


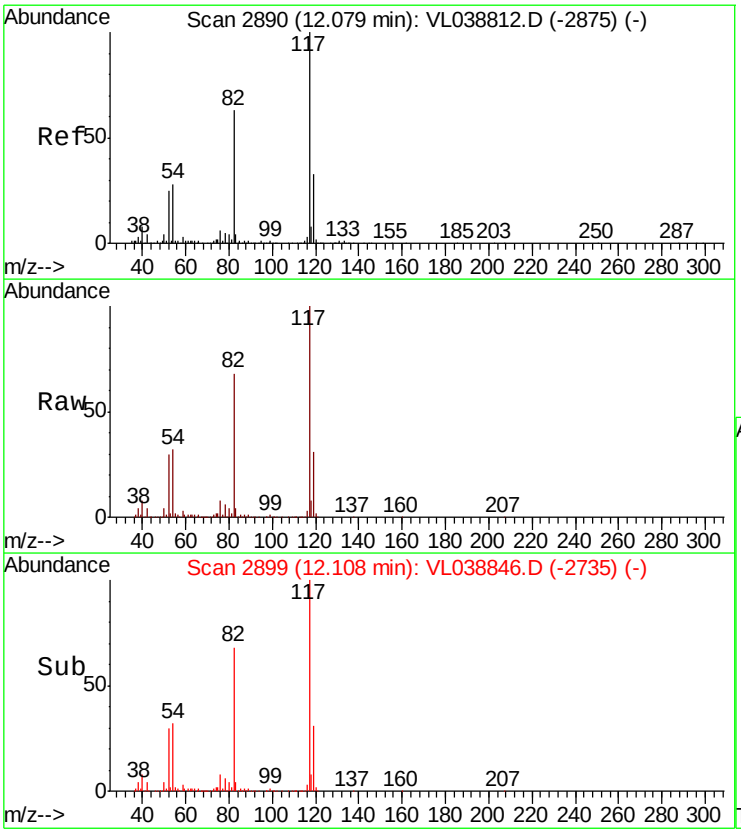
#53
Toluene
Concen: 4.149 ppbv
RT: 9.83
Delta R.T
Lab File:
Acq: 7 Apr 2022 18:14

Instrument :
MSVOA_L
ClientSampleId :
1160-A1-2

Tgt Ion: 91 Resp: 1328635

Ion	Ratio	Lower	Upper
91	100		
92	61.9	49.2	73.8

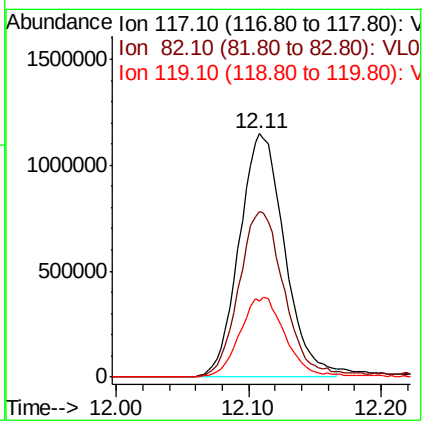


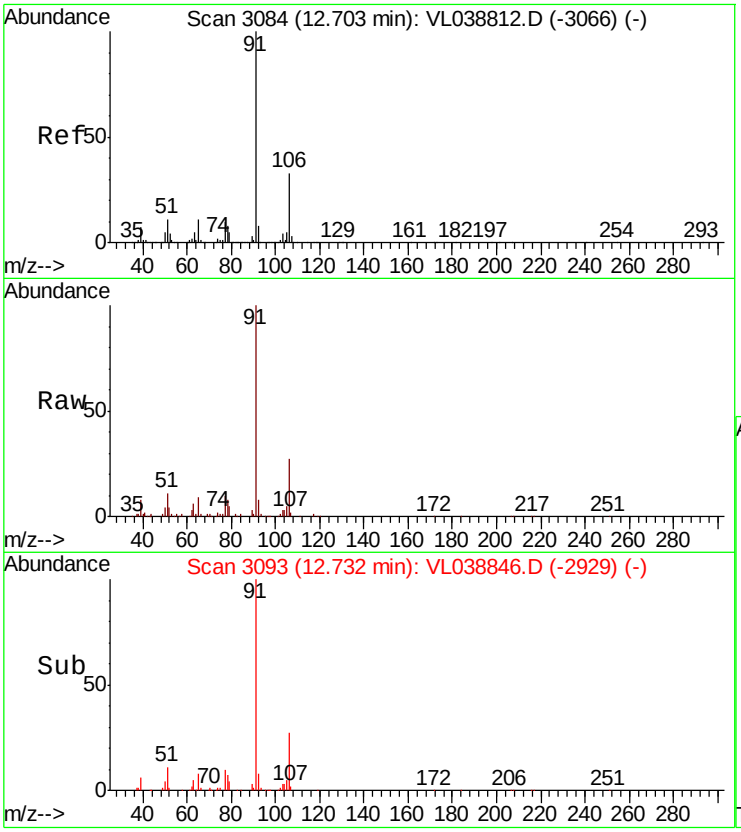


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.03 min
Lab File: VL038846.D
Acq: 7 Apr 2022 18:14

Tgt Ion:117 Resp: 2723512

Ion	Ratio	Lower	Upper
117	100		
82	71.4	53.0	79.6
119	33.8	24.9	37.3



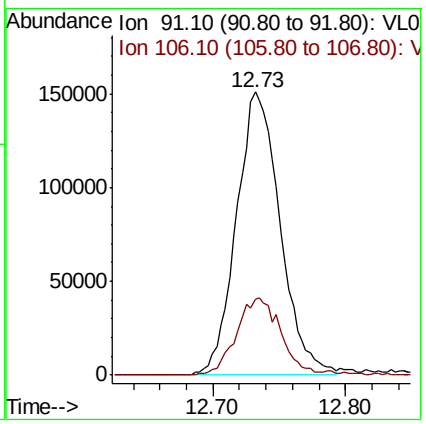


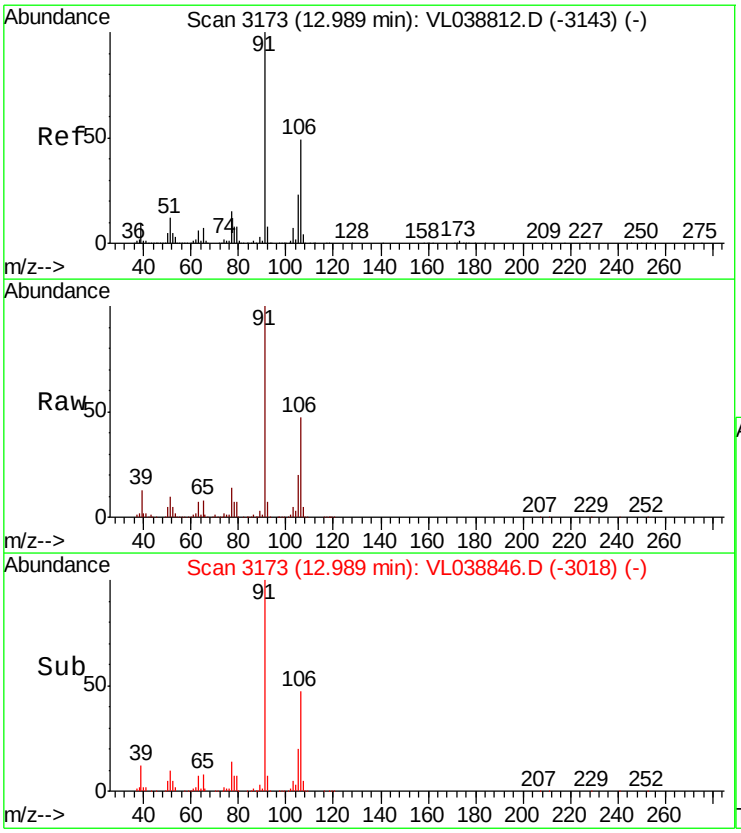
#58
Ethyl Benzene
Concen: 0.846 ppbv
RT: 12.73
Delta R.T
Lab File:
Acq: 7 Apr 2022 18:14

Instrument :
MSVOA_L
ClientSampleId :
1160-A1-2

Tgt Ion: 91 Resp: 344410

Ion	Ratio	Lower	Upper
91	100		
106	27.0	26.7	40.1

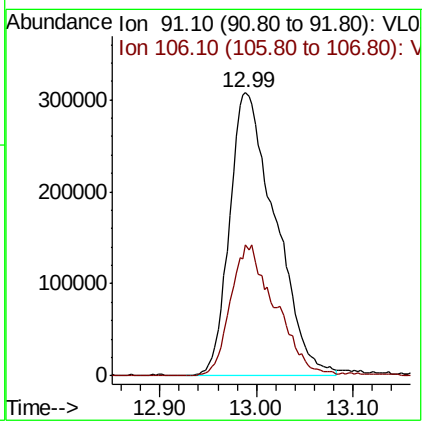


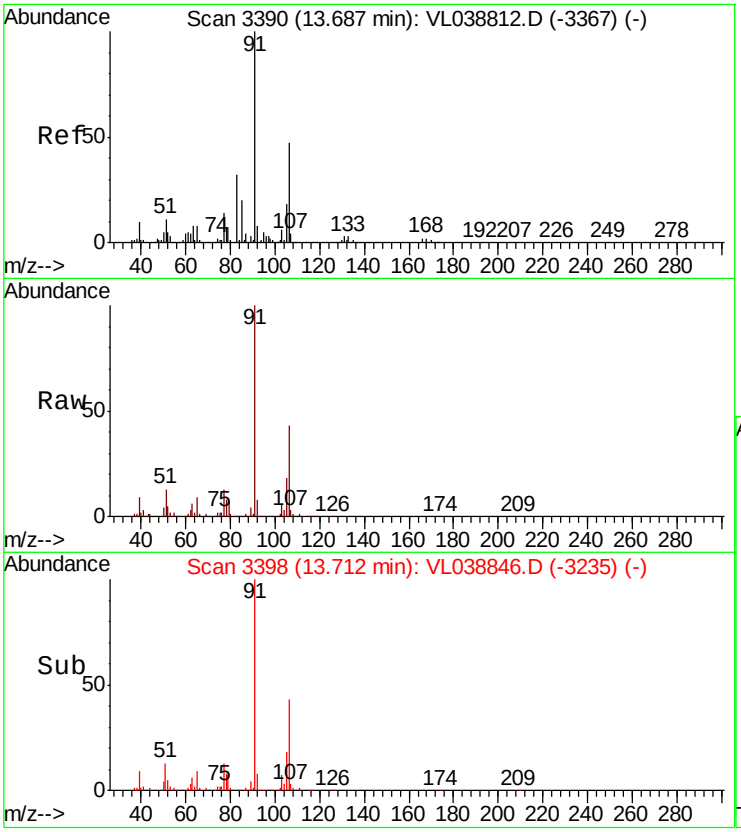


#59
m/p-Xylene
Concen: 2.943 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. -0.00 min
Lab File: VL038846.D
Acq: 7 Apr 2022 18:14

Tgt Ion: 91 Resp: 1006301

Ion	Ratio	Lower	Upper
91	100		
106	46.5	37.1	55.7



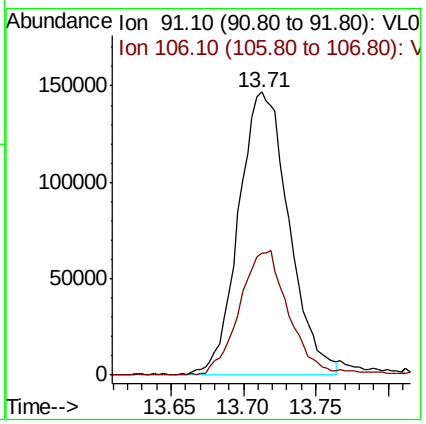


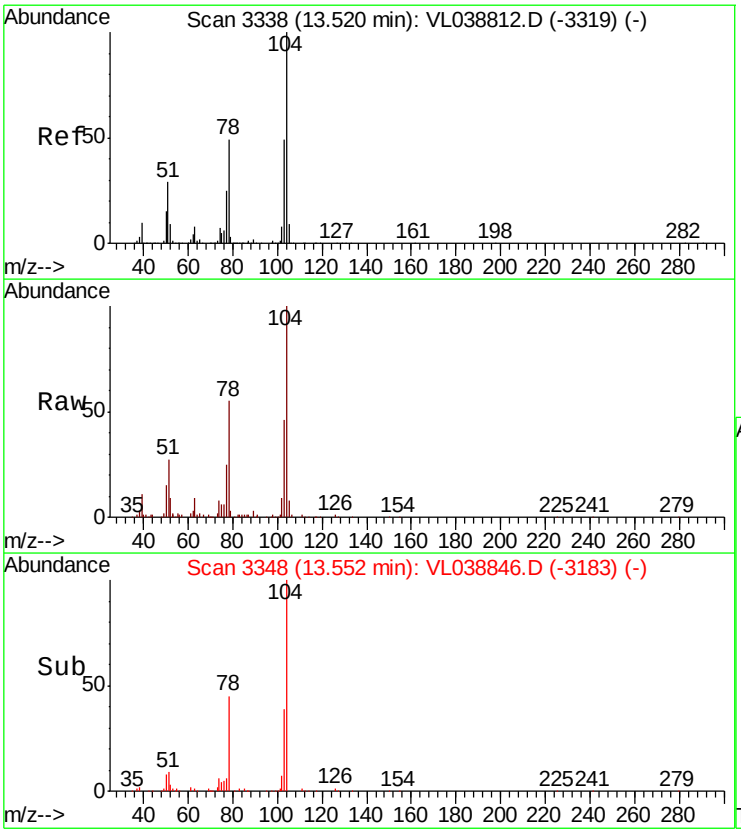
#60
o-Xylene
Concen: 1.101 ppbv
RT: 13.71
Delta R.T
Lab File:
Acq: 7 Apr 2022 18:14

Instrument :
MSVOA_L
ClientSampleId :
1160-A1-2

Tgt Ion: 91 Resp: 352151

Ion	Ratio	Lower	Upper
91	100		
106	44.1	23.8	71.4

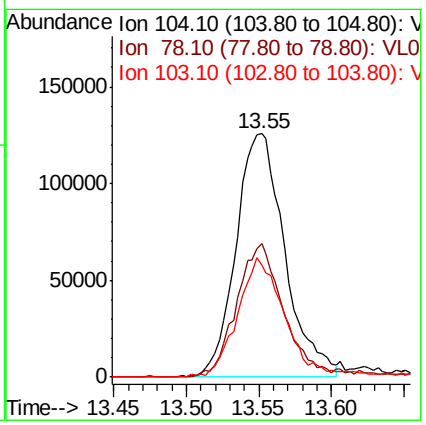


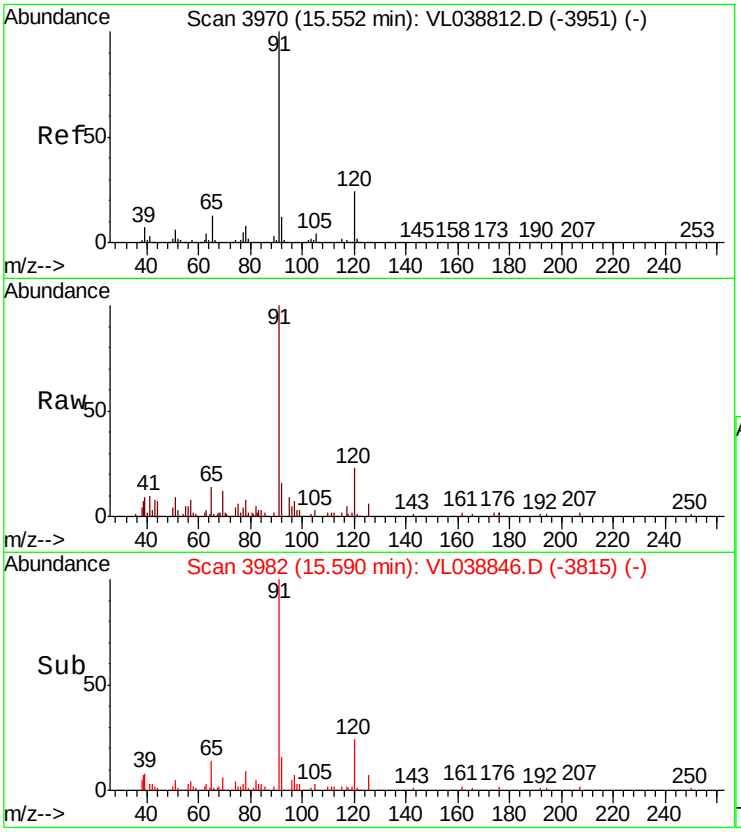


#61
Styrene
Concen: 1.494 ppbv
RT: 13.55 min Scan# 3348
Delta R.T. 0.03 min
Lab File: VL038846.D
Acq: 7 Apr 2022 18:14

Tgt Ion:104 Resp: 291284

Ion	Ratio	Lower	Upper
104	100		
78	53.5	40.5	60.7
103	49.5	39.0	58.4



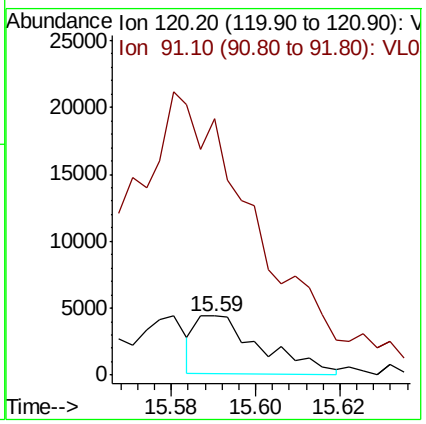


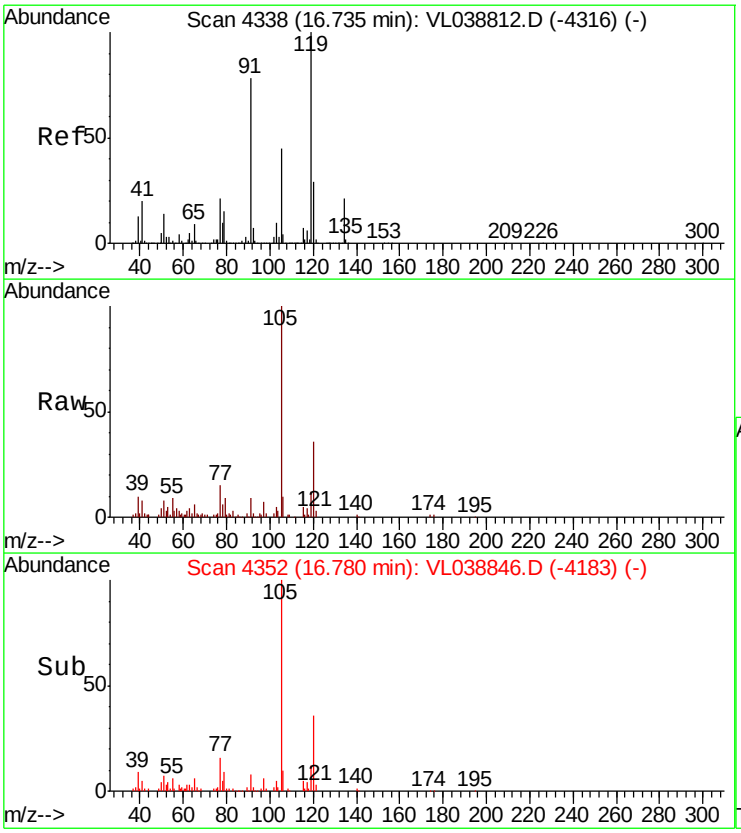
#64
n-propylbenzene
Concen: 0.037 ppbv
RT: 15.59
Delta R.T
Lab File:
Acq: 7 Apr 2022 18:14

Instrument :
MSVOA_L
ClientSampleId :
1160-A1-2

Tgt Ion:120 Resp: 4640

Ion	Ratio	Lower	Upper
120	100		
91	0.0	360.6	540.8#

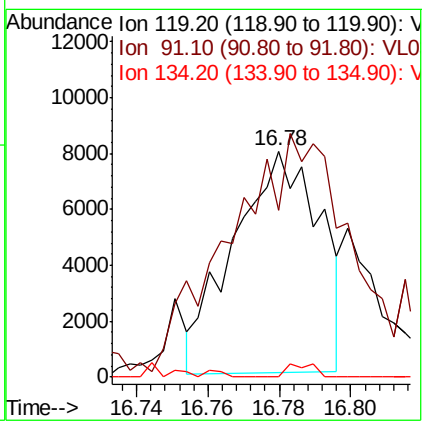


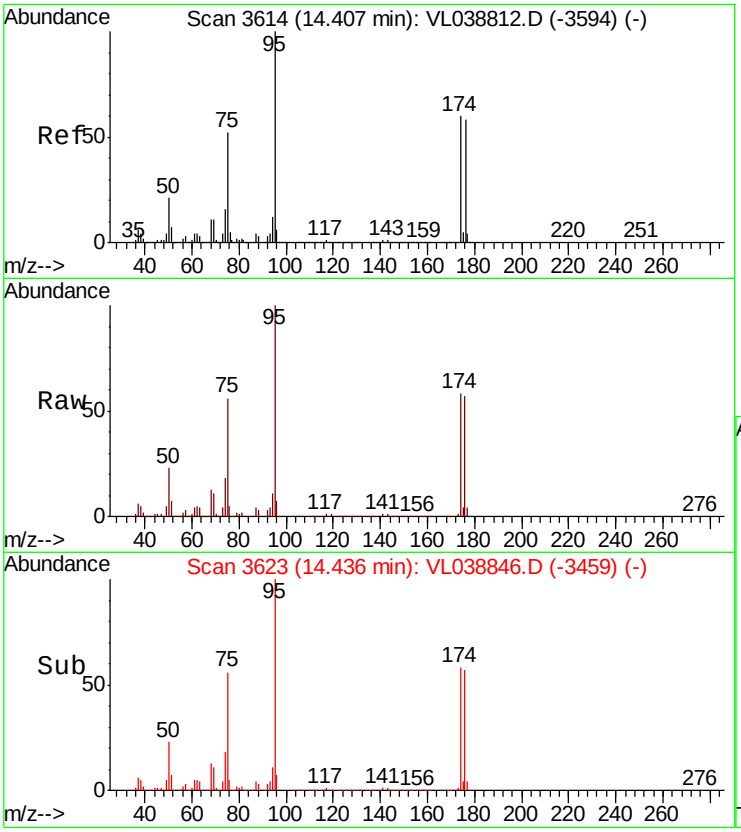


#65
tert-Butylbenzene
Concen: 0.031 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. 0.04 min
Lab File: VL038846.D
Acq: 7 Apr 2022 18:14

Tgt Ion:119 Resp: 13297

Ion	Ratio	Lower	Upper
119	100		
91	172.6	62.8	94.2#
134	1.8	16.2	24.4#



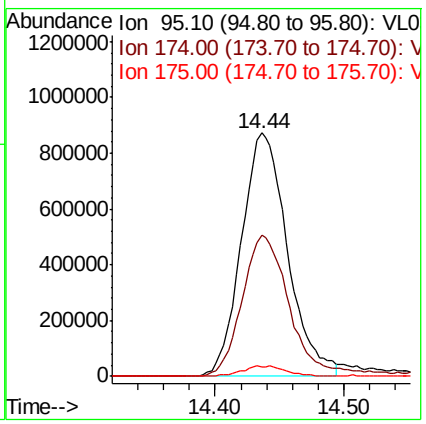


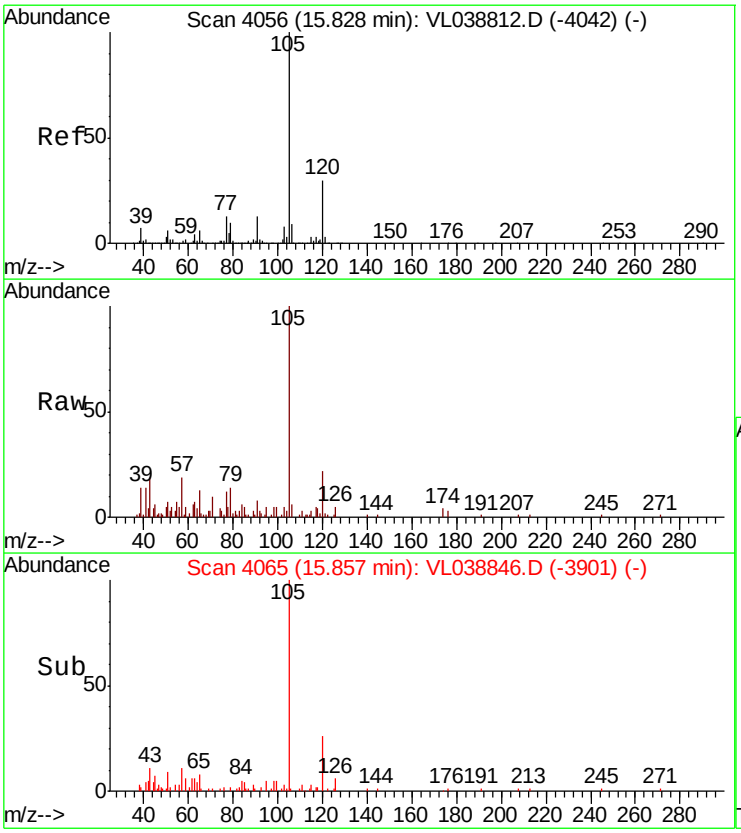
#68
1-Bromo-4-Fluorobenzene
Concen: 10.494 ppbv
RT: 14.44
Delta R.T
Lab File:
Acq: 7 Apr 2022 18:14

Instrument :
MSVOA_L
ClientSampleId :
1160-A1-2

Tgt Ion: 95 Resp: 2167928

Ion	Ratio	Lower	Upper
95	100		
174	62.3	52.0	78.0
175	4.4	4.0	6.0

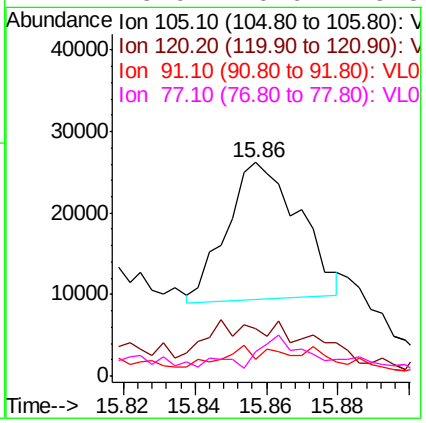


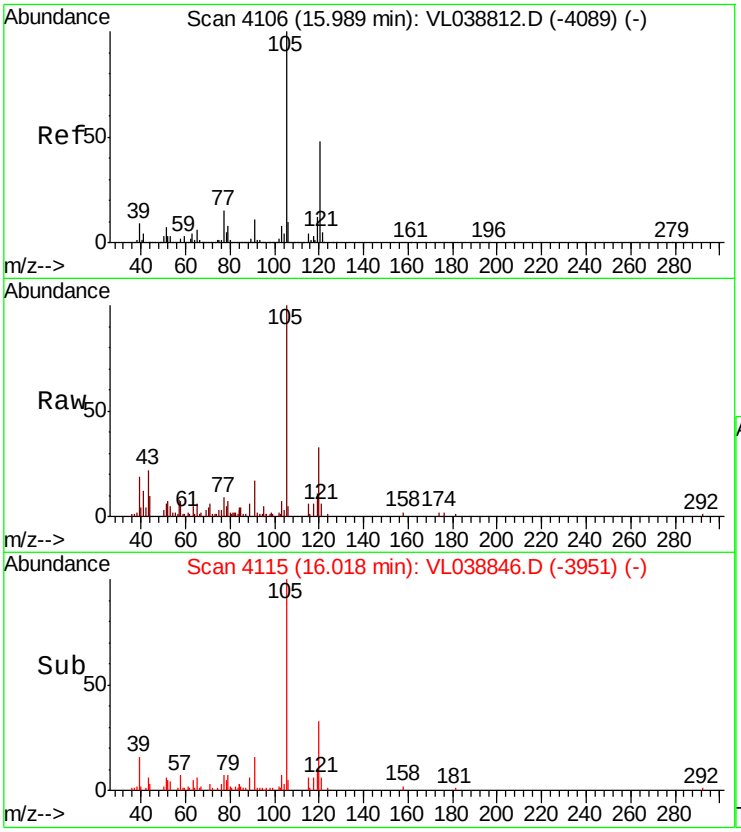


#72
4-Ethyltoluene
Concen: 0.062 ppbv
RT: 15.86 min Scan# 4065
Delta R.T. 0.03 min
Lab File: VL038846.D
Acq: 7 Apr 2022 18:14

Tgt Ion:105 Resp: 23513

Ion	Ratio	Lower	Upper
105	100		
120	80.2	24.3	36.5#
91	29.2	9.4	14.2#
77	45.0	10.6	15.8#



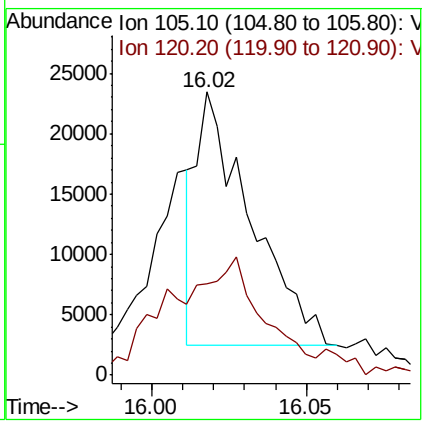


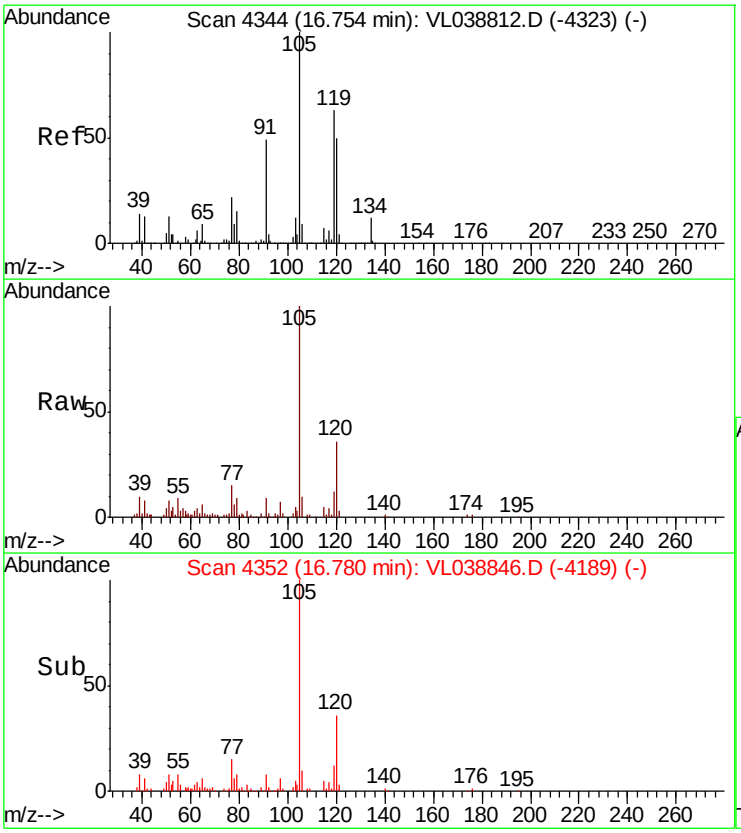
#73
1,3,5-Trimethylbenzene
Concen: 0.074 ppbv
RT: 16.02
Delta R.T
Lab File:
Acq: 7 Apr 2022 18:14

Instrument :
MSVOA_L
ClientSampleId :
1160-A1-2

Tgt Ion:105 Resp: 25467

Ion	Ratio	Lower	Upper
105	100		
120	27.9	38.7	58.1#





#74
1,2,4-Trimethylbenzene
Concen: 0.289 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. 0.03 min
Lab File: VL038846.D
Acq: 7 Apr 2022 18:14

Tgt Ion:105 Resp: 104705

Ion	Ratio	Lower	Upper
105	100		
120	34.6	39.8	59.8#
91	8.2	39.4	59.0#
77	12.4	17.3	25.9#