Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030222\
Data File : VL038484.D
Acq On : 2 Mar 2022 16:34
Operator : SY/AP
Sample : N1724-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-02

Quant Time: Mar 02 22:37:36 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	1024188	10.00	ppbv		0.02
33) 1,4-Difluorobenzene	7.18	114	2437147	10.00	ppbv		0.02
55) Chlorobenzene-d5	12.08	117	2204871	10.00	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	1842705	10.10	ppbv		0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.00%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.21	51	323806	1.79	ppbv	#	59
4) Chloromethane	3.14	50	28541	0.45	ppbv		93
5) Vinyl Chloride	3.26	62	1901392	28.94	ppbv		100
7) Chloroethane	3.26	64	620360	29.40	ppbv	#	42
9) Propene	3.21	41	12087038	202.42	ppbv		91
10) Heptane	8.12	43	214145	1.47	ppbv		99
13) Ethanol	3.60	45	166453	27.93	ppbv		97
15) Acetone	3.85	43	1633107	18.75	ppbv	#	58
16) 1,3-Butadiene	3.31	39	1903494	32.72	ppbv	#	31
17) tert-Butyl alcohol	4.31	59	30663	0.35	ppbv	#	72
18) 1,1-Dichloroethene	4.29	96	40205	0.80	ppbv		94
19) Isopropyl Alcohol	3.97	45	152992	3.03	ppbv	#	1
20) Methylene Chloride	4.34	84	14114	0.33	ppbv	#	85
21) Allyl Chloride	4.40	41	30371	0.41	ppbv	#	1
22) trans-1,2-Dichloroethene	4.89	96	80317	1.59	ppbv		97
23) Vinyl Acetate	5.06	43	253028	2.19	ppbv	#	1
25) Ethyl Acetate	5.69	43	467544	2.00	ppbv	#	86
26) Hexane	5.69	57	454802	4.29	ppbv	#	52
27) Carbon Disulfide	4.56	76	116471	0.99	ppbv		100
30) Cyclohexane	7.13	84	68690	0.79	ppbv	#	82
31) cis-1,2-Dichloroethene	5.55	61	4657001	45.36	ppbv		91
34) 2-Butanone	5.25	43	392182	5.12	ppbv		99
36) Benzene	6.89	78	303580	1.41	ppbv		95
38) Trichloroethene	7.83	130	1626991	20.82	ppbv		96
39) 1,2-Dichloropropane	7.17	63	651400	7.62	ppbv	#	24
41) Tetrahydrofuran	6.06	42	44067	0.85	ppbv	#	77
44) 2,2,4-Trimethylpentane	7.87	57	75583	0.20	ppbv	#	1
50) 4-Methyl-2-Pentanone	8.75	43	8191	0.06	ppbv	#	40
51) 2-Hexanone	10.15	43	3480	0.06	ppbv	#	1
52) Tetrachloroethene	11.22	164	674478	9.47	ppbv		98
53) Toluene	9.81	91	166064	0.71	ppbv		98
58) Ethyl Benzene	12.71	91	92394	0.31	ppbv		91
59) m/p-Xylene	13.00	91	46007	0.18	ppbv	#	33
60) o-Xylene	13.68	91	69607	0.28	ppbv		96
72) 4-Ethyltoluene	15.84	105	8773	0.03	ppbv	#	70
74) 1,2,4-Trimethylbenzene	16.77	105	19711	0.08	ppbv	#	64

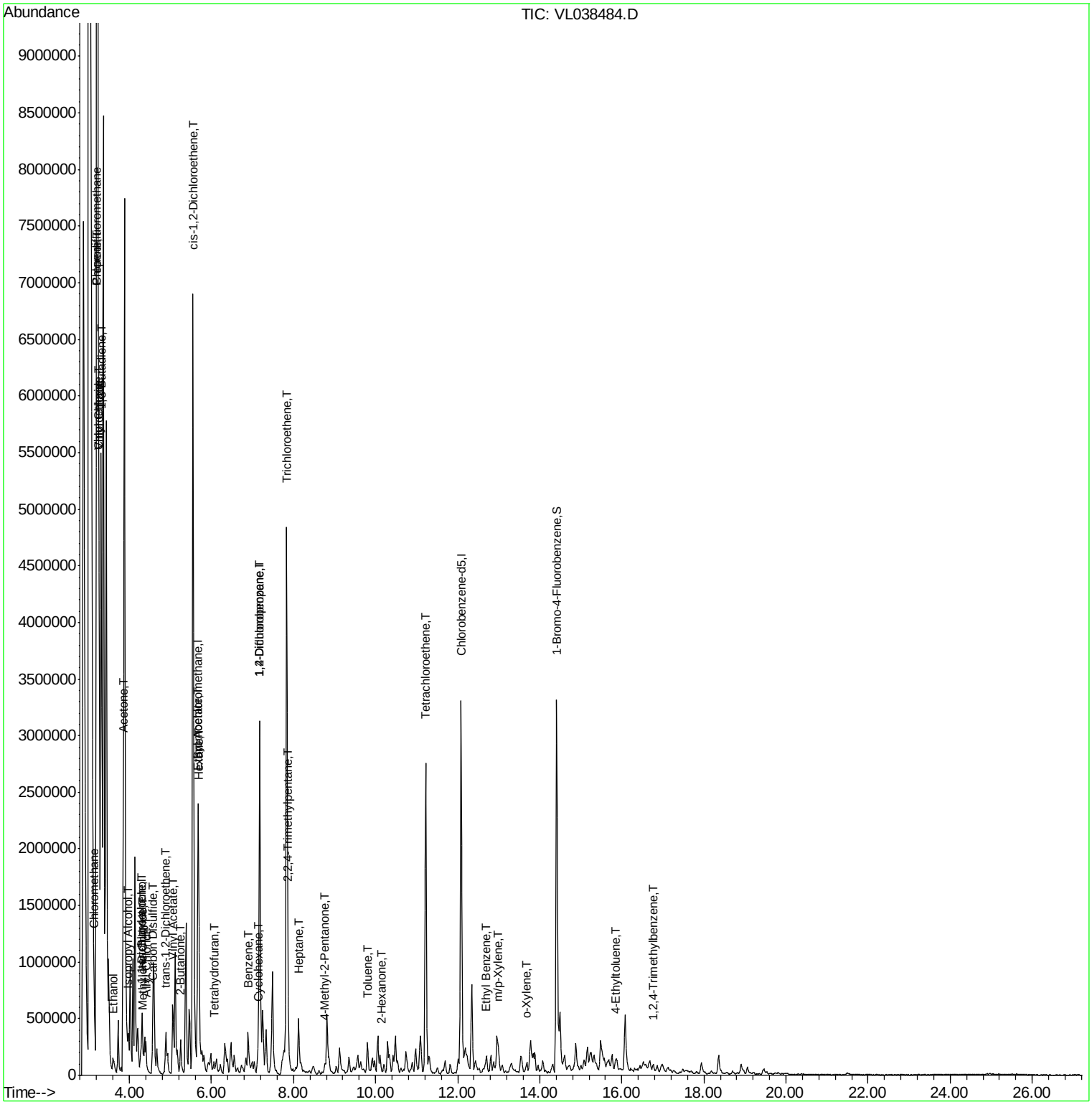
(#) = qualifier out of range (m) = manual integration (+) = signals summed

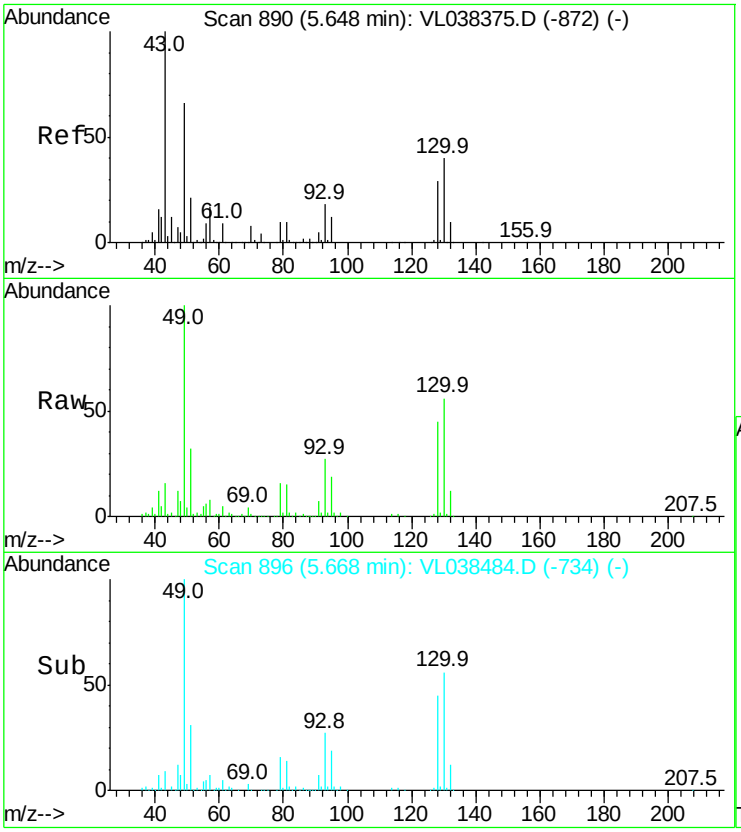
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030222\
Data File : VL038484.D
Acq On : 2 Mar 2022 16:34
Operator : SY/AP
Sample : N1724-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Quant Time: Mar 02 22:37:36 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



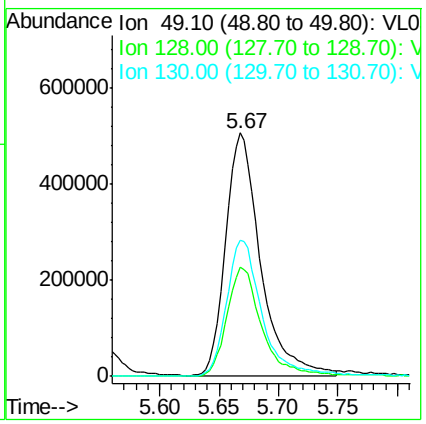


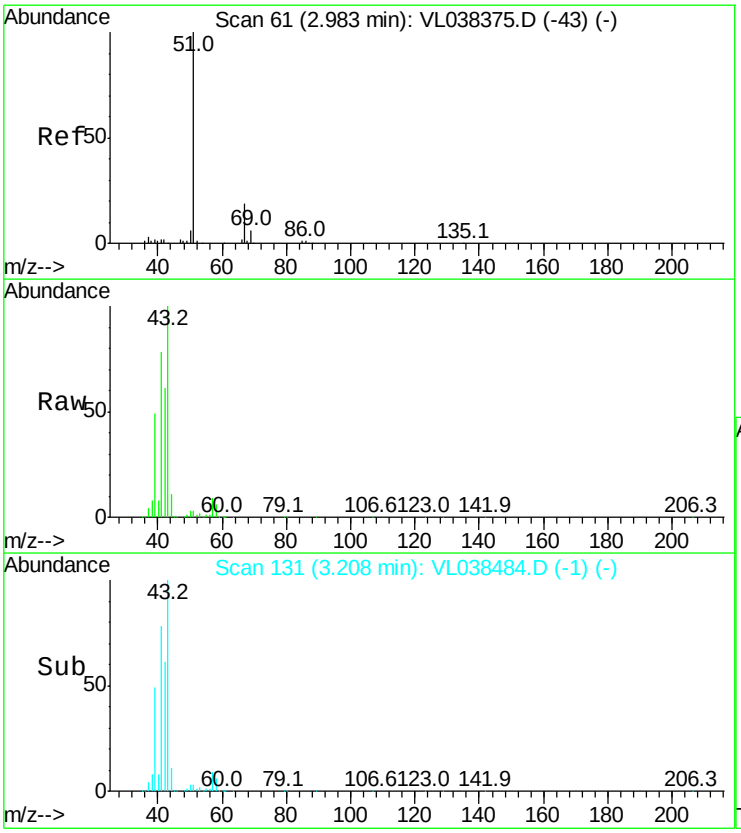
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 2 Mar 2022 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 49 Resp: 1024188

Ion	Ratio	Lower	Upper
49	100		
128	46.0	24.3	72.9
130	58.3	30.1	90.5

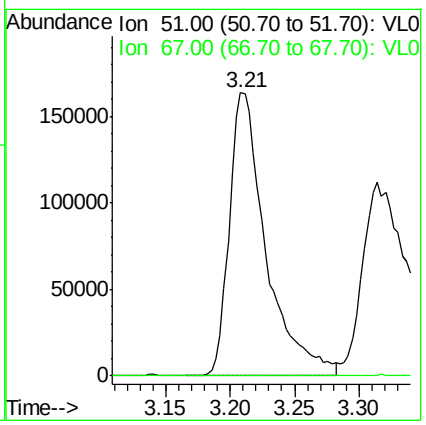


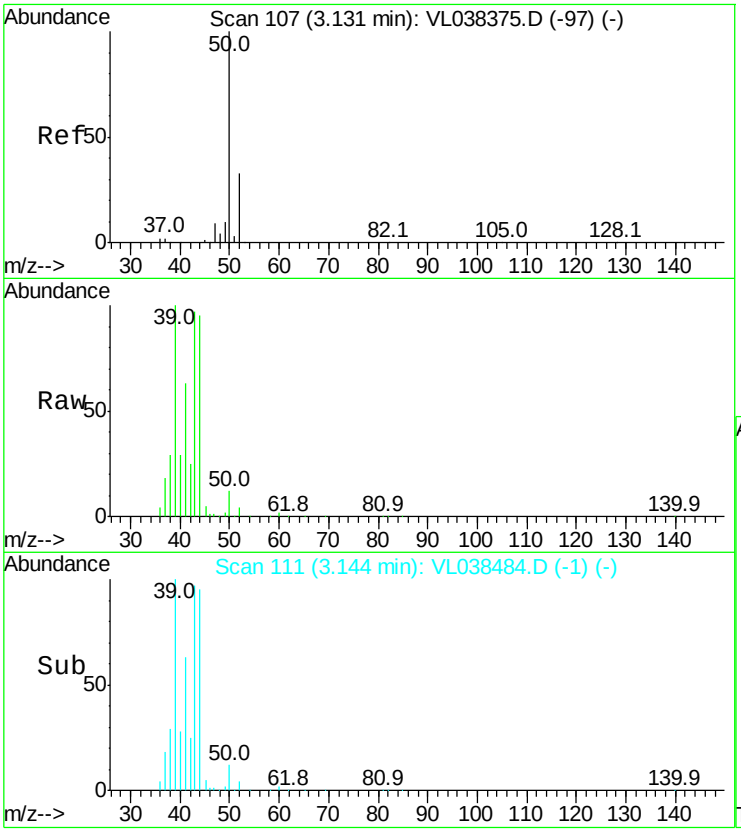


#3
Chlorodifluoromethane
Concen: 1.79 ppbv
RT: 3.21 min Scan# 131
Delta R.T. 0.23 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion: 51 Resp: 323806

Ion	Ratio	Lower	Upper
51	100		
67	0.0	14.7	22.1#



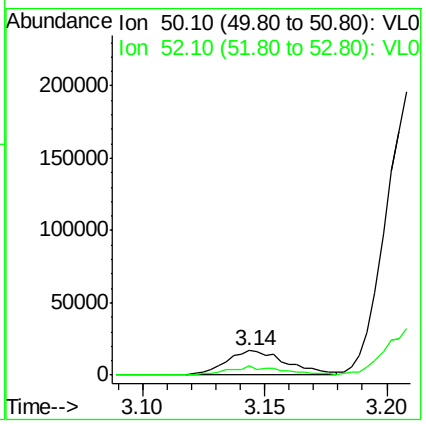


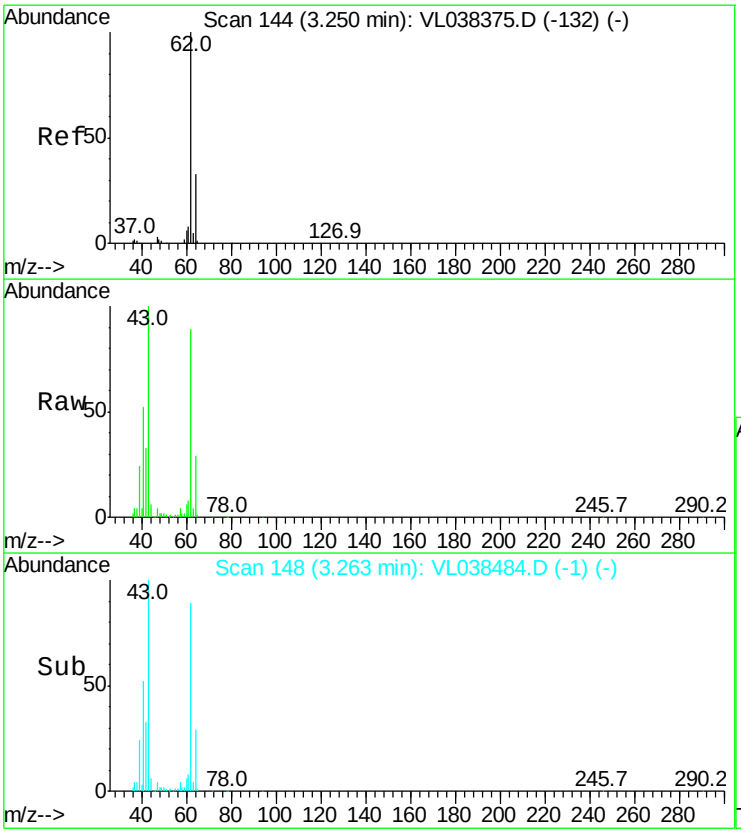
#4
Chloromethane
Concen: 0.45 ppbv
RT: 3.14
Delta R.T
Lab File:
Acq: 2 Mar 2022 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 50 Resp: 28541

Ion	Ratio	Lower	Upper
50	100		
52	36.8	26.5	39.7

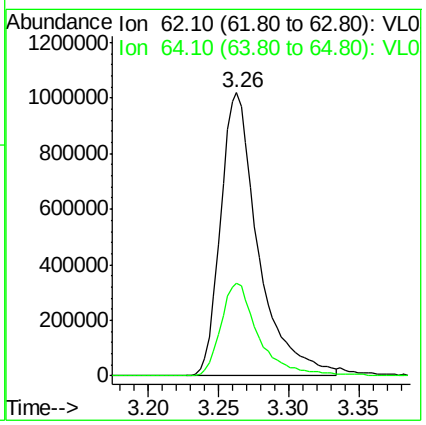


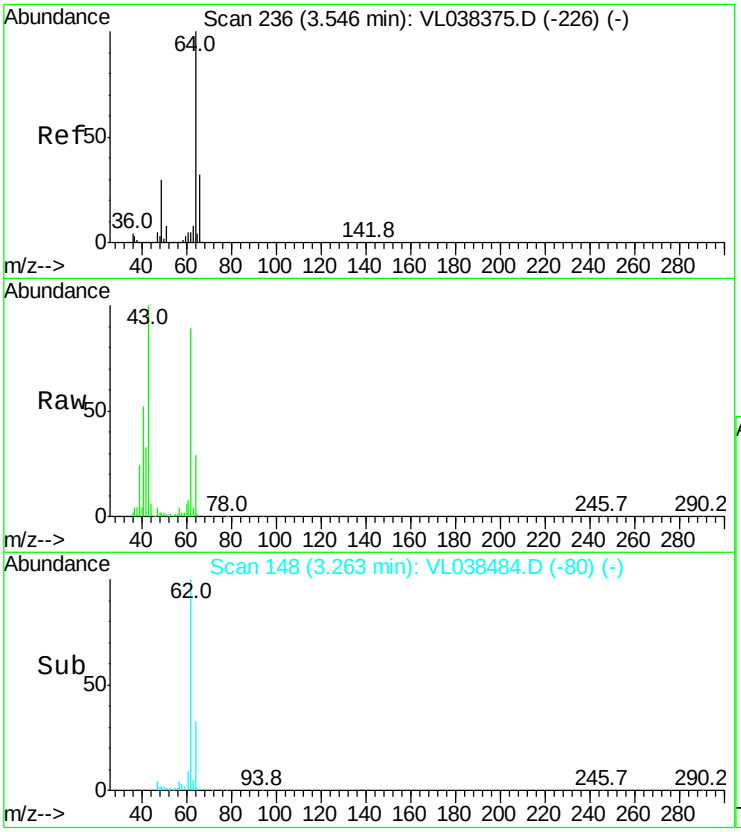


#5
Vinyl Chloride
Concen: 28.94 ppbv
RT: 3.26 min Scan# 148
Delta R.T. 0.01 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion: 62 Resp: 1901392

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.2	39.2



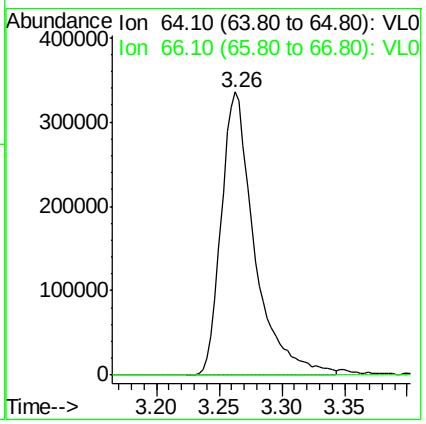


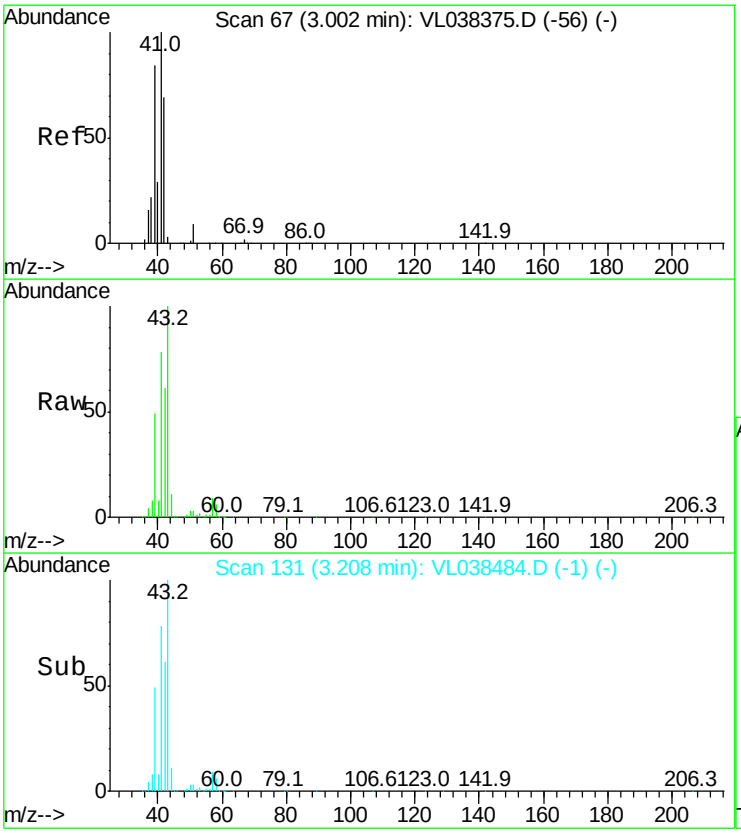
#7
Chloroethane
Concen: 29.40 ppbv
RT: 3.26
Delta R.T
Lab File:
Acq: 2 Mar 2022 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 64 Resp: 620360

Ion	Ratio	Lower	Upper
64	100		
66	0.0	25.9	38.9#

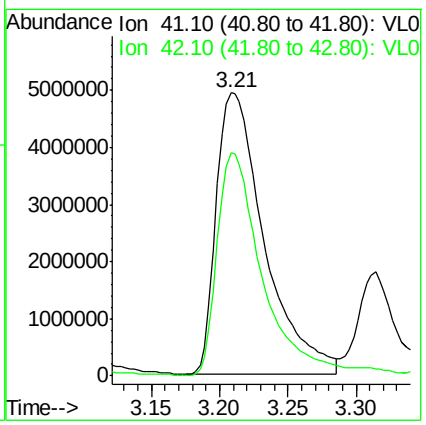


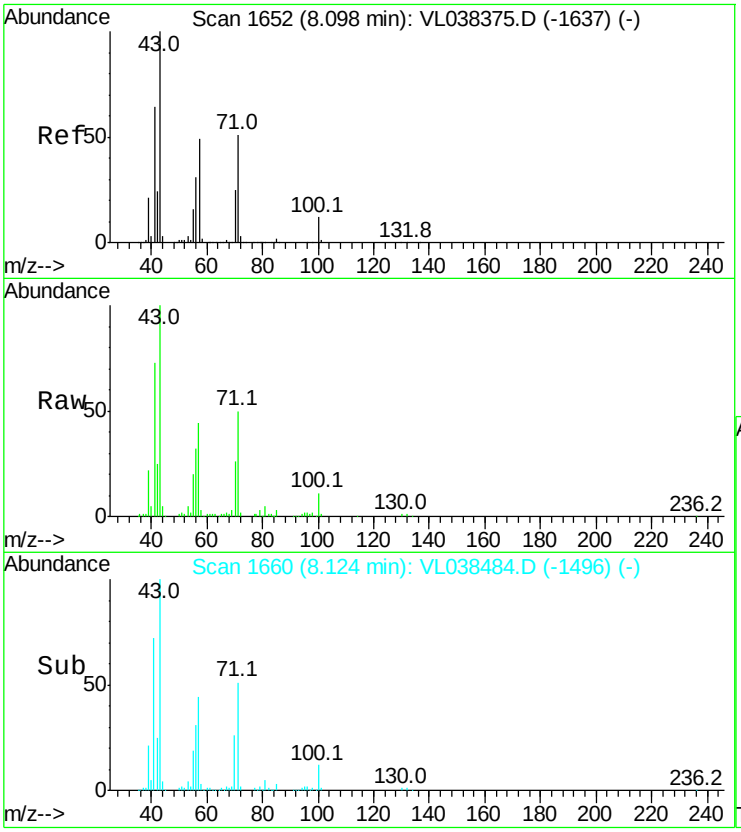


#9
Propene
Concen: 202.42 ppbv
RT: 3.21 min Scan# 131
Delta R.T. 0.21 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion: 41 Resp:12087038

Ion	Ratio	Lower	Upper
41	100		
42	75.5	54.6	82.0



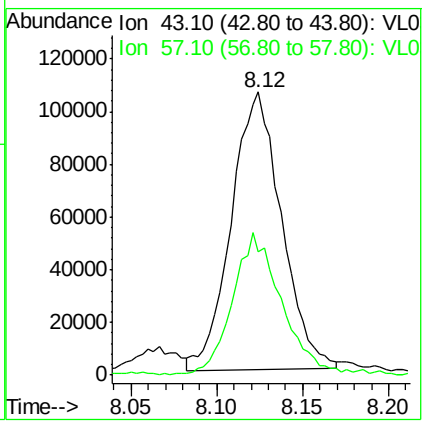


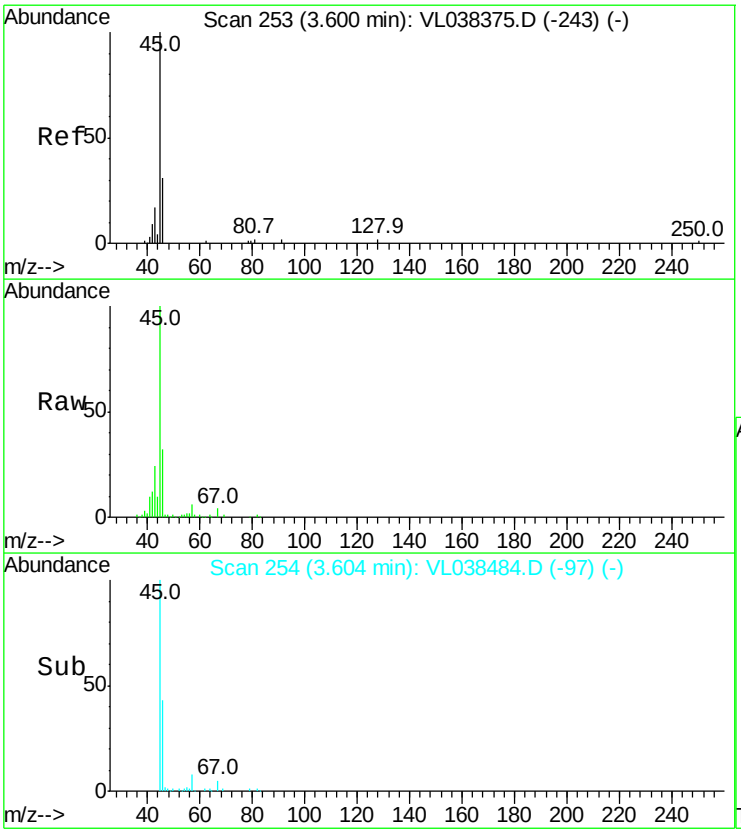
#10
Heptane
Concen: 1.47 ppbv
RT: 8.12
Delta R.T
Lab File:
Acq: 2 Mar 2022 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 43 Resp: 214145

Ion	Ratio	Lower	Upper
43	100		
57	50.3	39.8	59.8

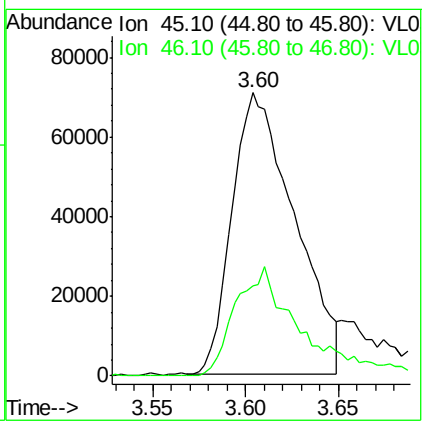


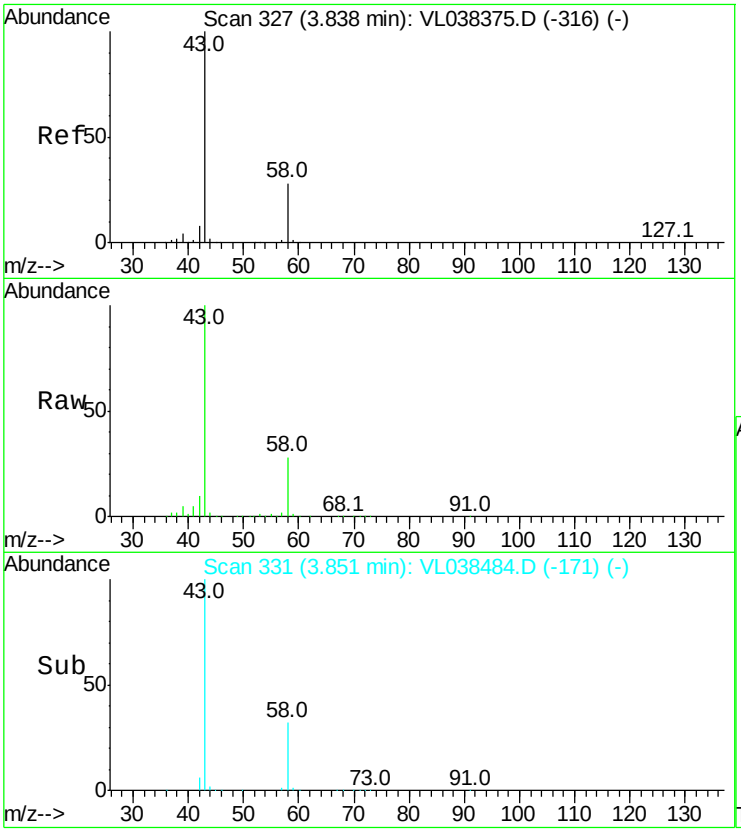


#13
Ethanol
Concen: 27.93 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion: 45 Resp: 166453

Ion	Ratio	Lower	Upper
45	100		
46	43.6	18.2	72.8



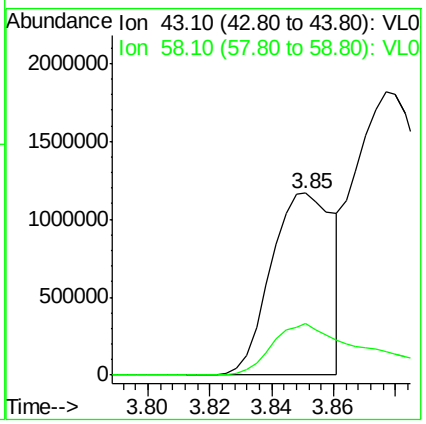


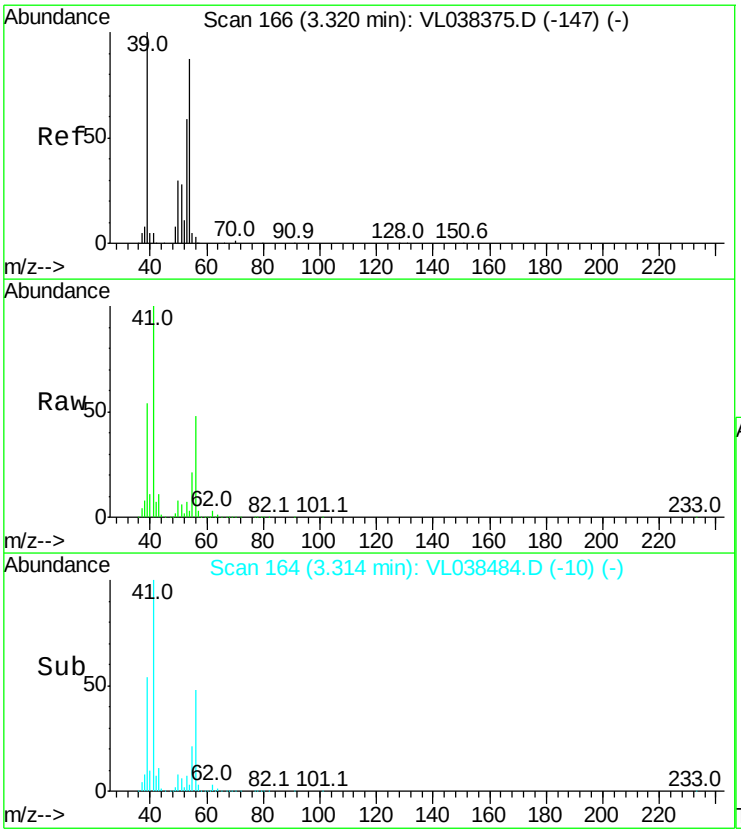
#15
Acetone
Concen: 18.75 ppbv
RT: 3.85
Delta R.T
Lab File:
Acq: 2 Mar 2022 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 43 Resp: 1633107

Ion	Ratio	Lower	Upper
43	100		
58	49.0	21.7	32.5#

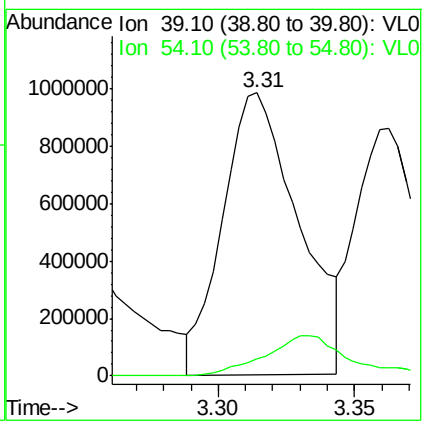


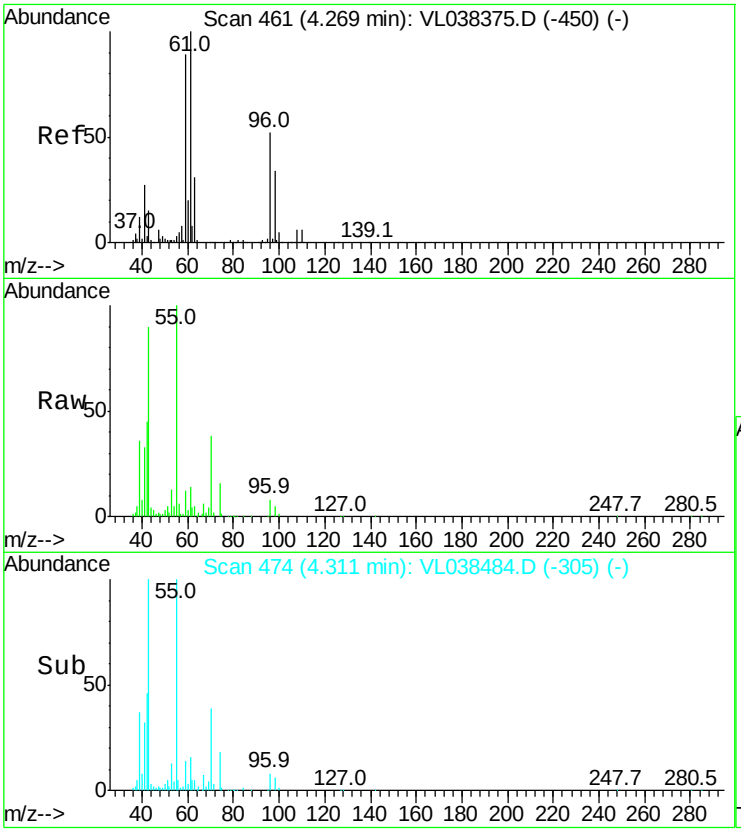


#16
1,3-Butadiene
Concen: 32.72 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.01 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion: 39 Resp: 1903494

Ion	Ratio	Lower	Upper
39	100		
54	16.1	60.3	90.5#



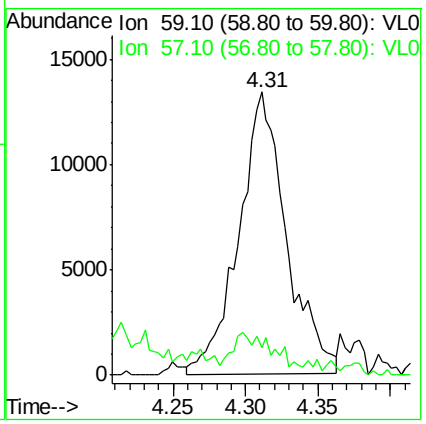


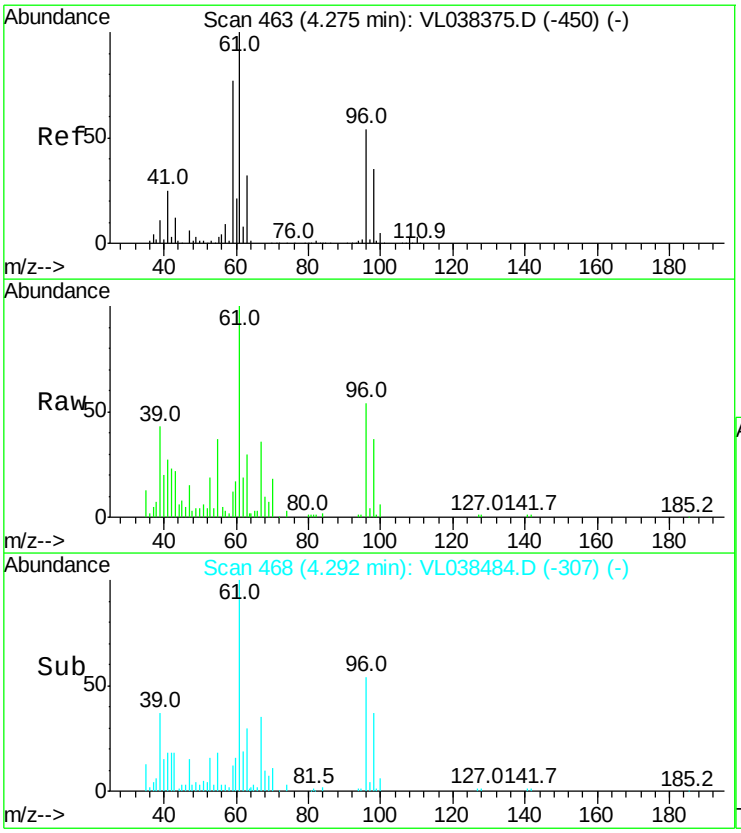
#17
tert-Butyl alcohol
Concen: 0.35 ppbv
RT: 4.31
Delta R.T
Lab File:
Acq: 2 Mar 2022 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 59 Resp: 30663

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

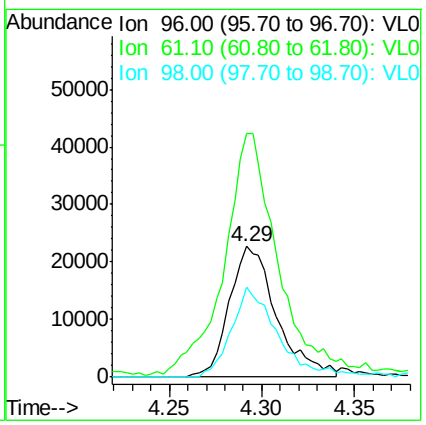


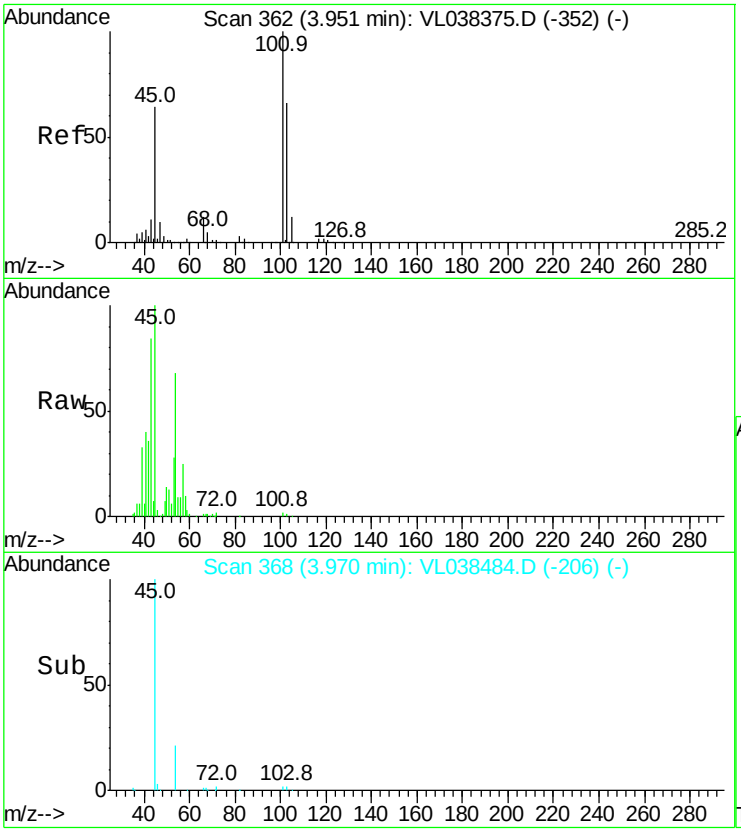


#18
1,1-Dichloroethene
Concen: 0.80 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion: 96 Resp: 40205

Ion	Ratio	Lower	Upper
96	100		
61	173.9	146.8	220.2
98	68.9	51.5	77.3



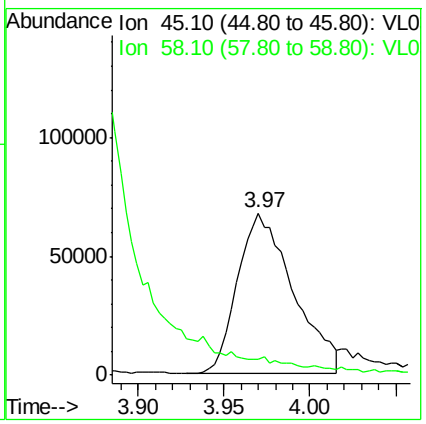


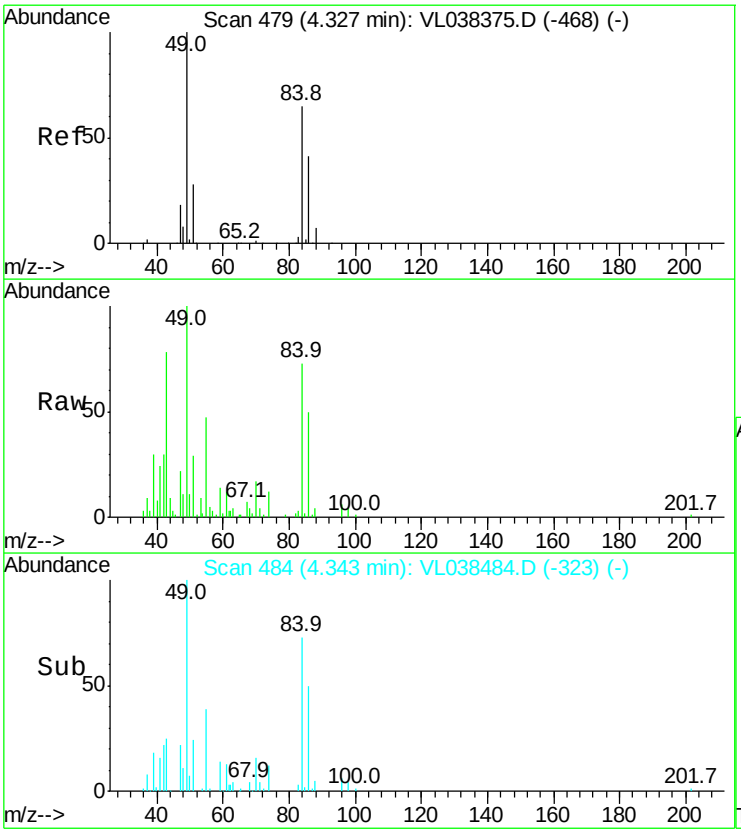
#19
Isopropyl Alcohol
Concen: 3.03 ppbv
RT: 3.97
Delta R.T
Lab File:
Acq: 2 Mar 2022 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 45 Resp: 152992

Ion	Ratio	Lower	Upper
45	100		
58	522.4	1.8	2.8#

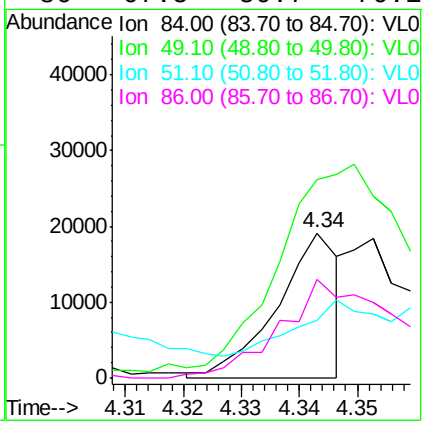


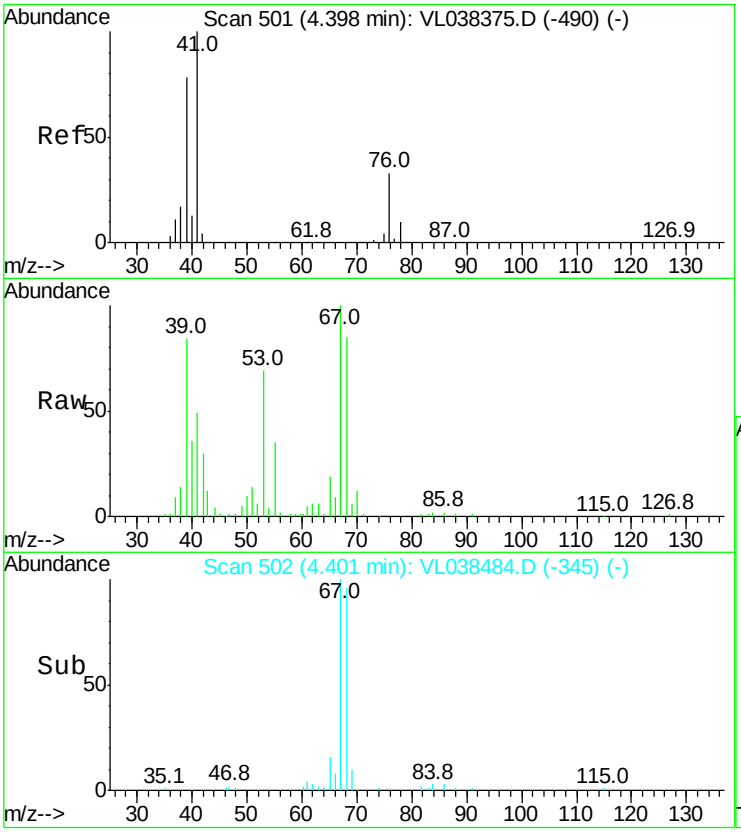


#20
Methylene Chloride
Concen: 0.33 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.02 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion: 84 Resp: 14114

Ion	Ratio	Lower	Upper
84	100		
49	135.3	122.4	183.6
51	20.9	33.3	49.9#
86	67.5	50.7	76.1



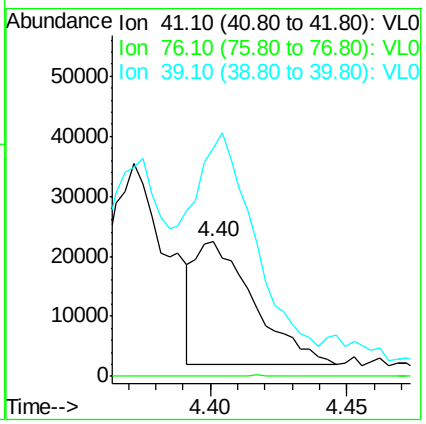


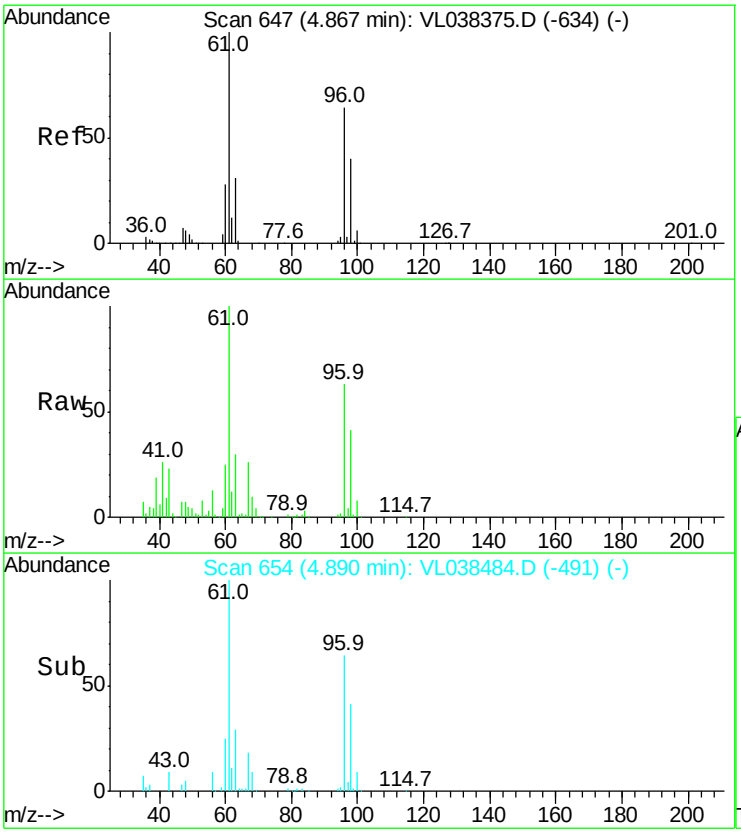
#21
Allyl Chloride
Concen: 0.41 ppbv
RT: 4.40
Delta R.T
Lab File:
Acq: 2 Mar 2022 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 41 Resp: 30371

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.4	38.0#
39	255.4	63.0	94.6#

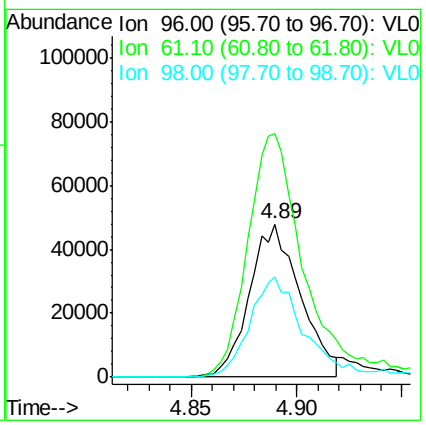


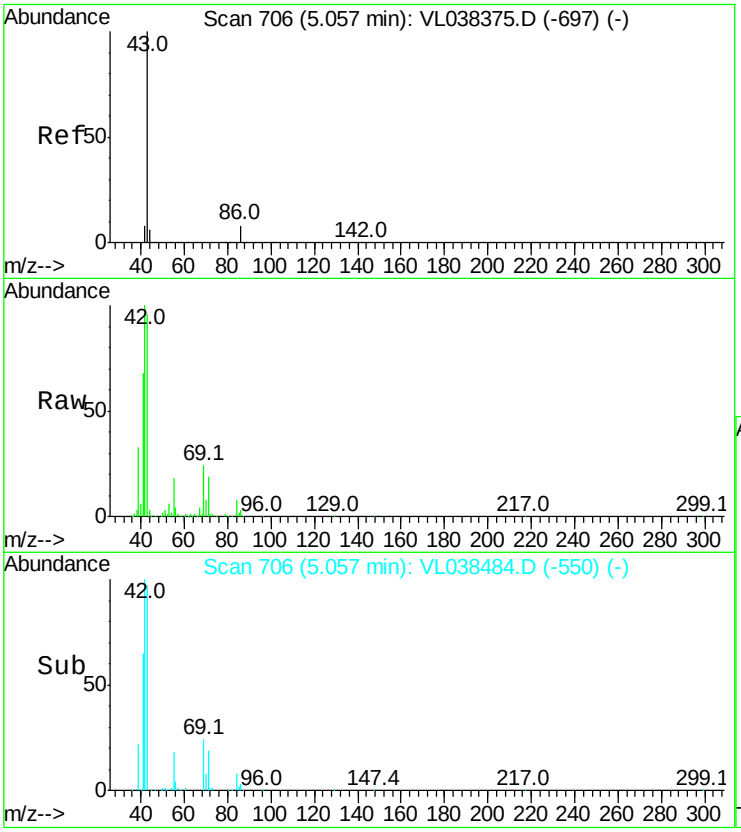


#22
trans-1,2-Dichloroethene
Concen: 1.59 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.02 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion: 96 Resp: 80317

Ion	Ratio	Lower	Upper
96	100		
61	158.8	124.2	186.4
98	65.6	49.1	73.7



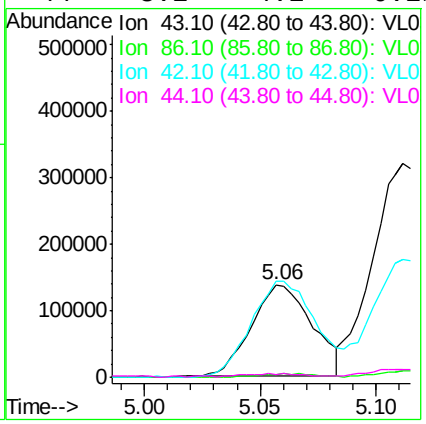


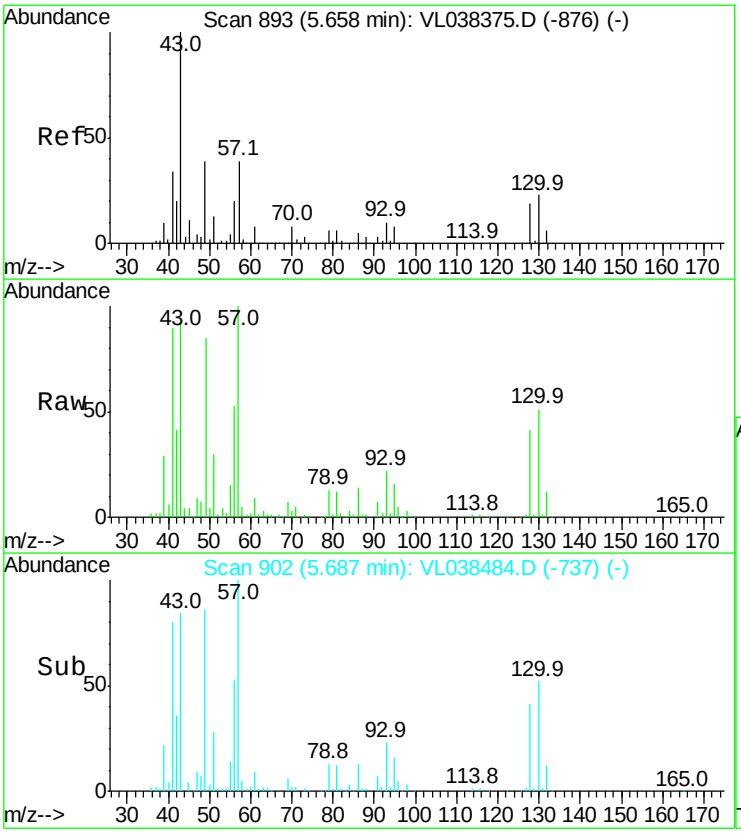
#23
Vinyl Acetate
Concen: 2.19 ppbv
RT: 5.06
Delta R.T
Lab File:
Acq: 2 Mar 2022 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 43 Resp: 253028

Ion	Ratio	Lower	Upper
43	100		
86	3.5	5.8	8.6#
42	104.4	7.4	11.0#
44	3.2	4.2	6.2#

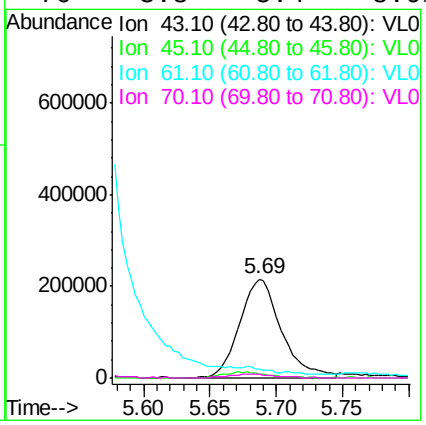


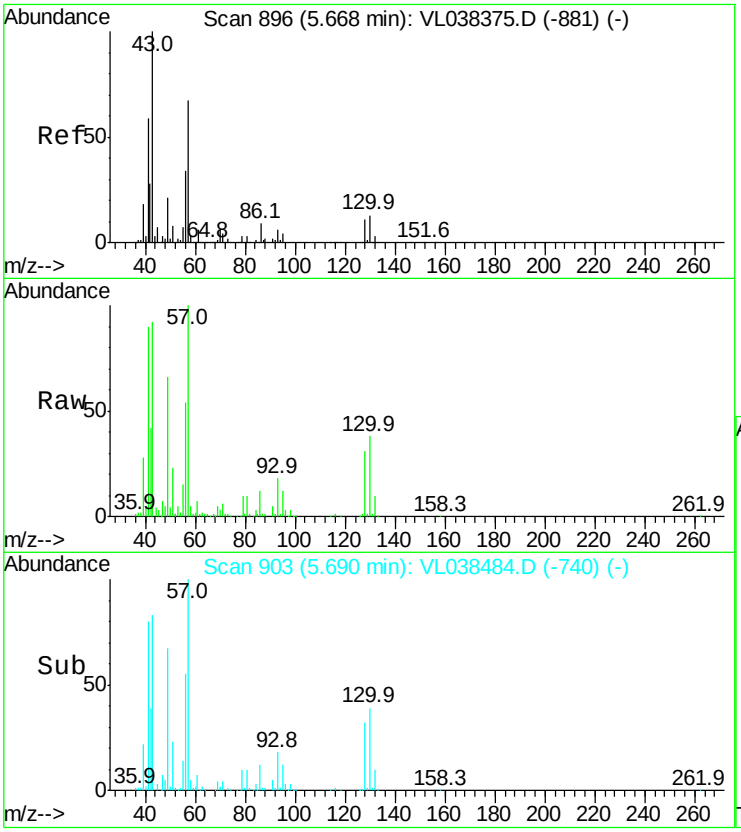


#25
Ethyl Acetate
Concen: 2.00 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.03 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion: 43 Resp: 467544

Ion	Ratio	Lower	Upper
43	100		
45	6.9	7.8	11.6#
61	0.0	7.5	11.3#
70	3.8	5.4	8.0#



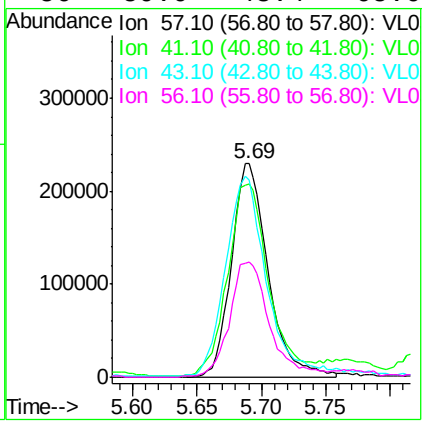


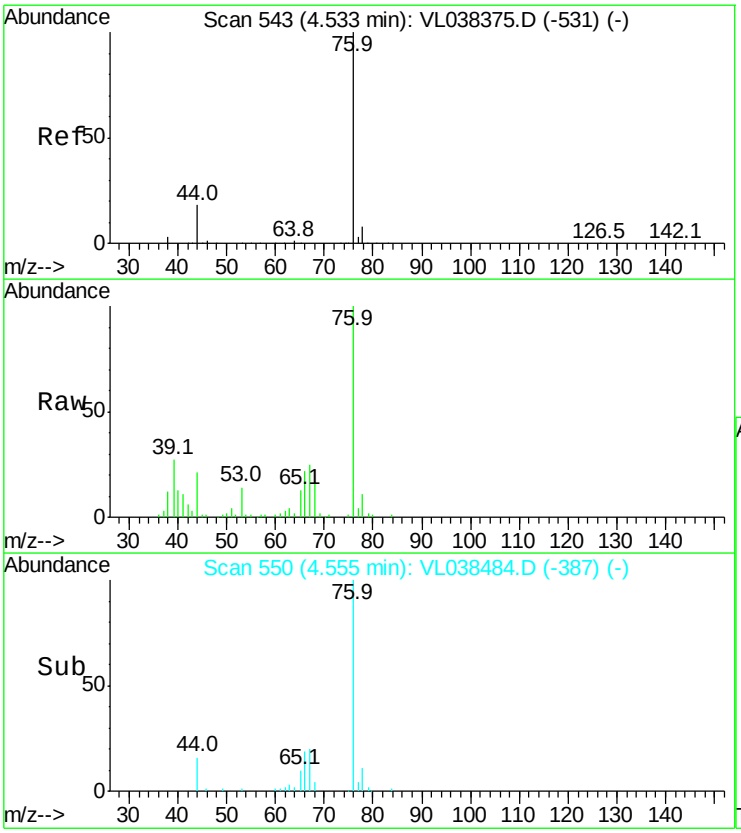
#26
Hexane
Concen: 4.29 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 2 Mar 2022 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 57 Resp: 454802

Ion	Ratio	Lower	Upper
57	100		
41	103.5	73.1	109.7
43	108.6	181.0	271.4#
56	59.0	43.4	65.0

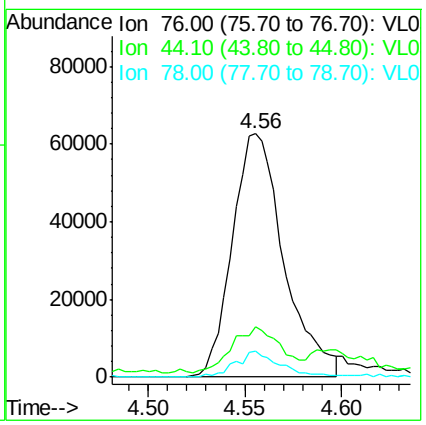


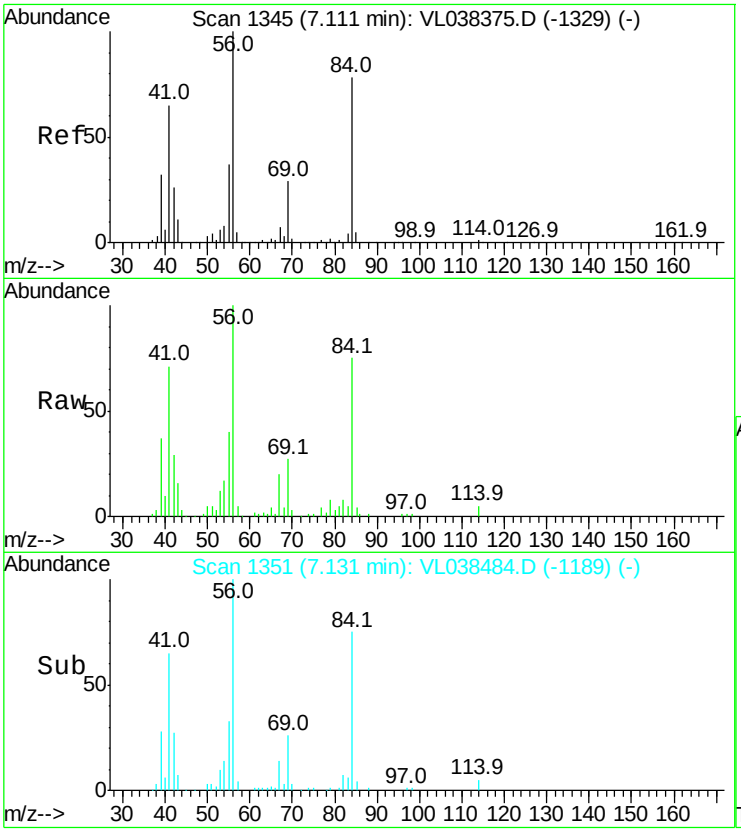


#27
Carbon Disulfide
Concen: 0.99 ppbv
RT: 4.56 min Scan# 550
Delta R.T. 0.02 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion: 76 Resp: 116471

Ion	Ratio	Lower	Upper
76	100		
44	17.8	14.2	21.2
78	9.9	7.8	11.6



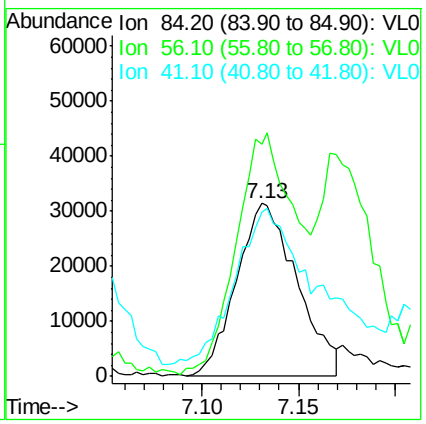


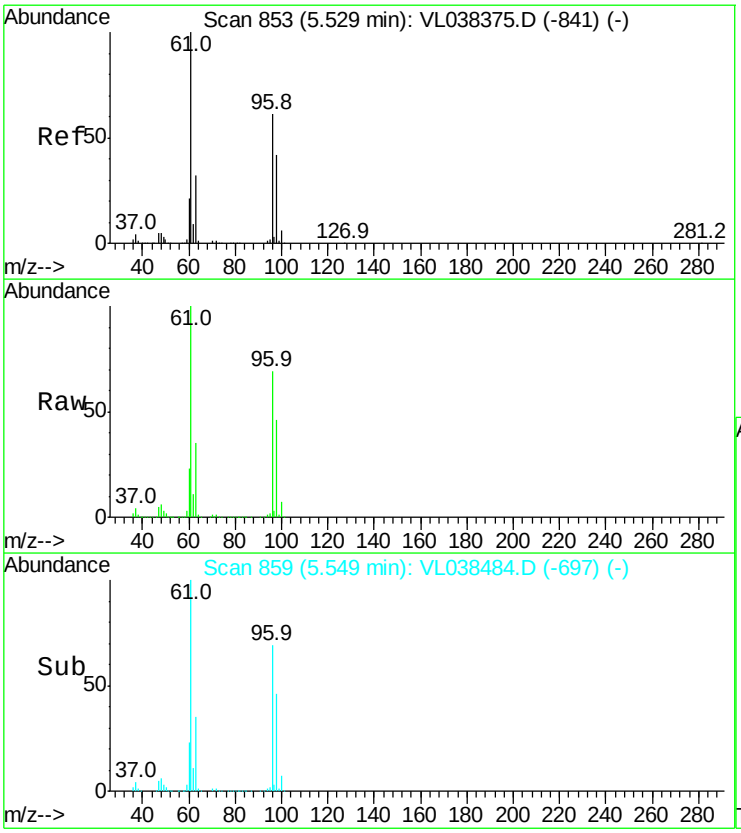
#30
Cyclohexane
Concen: 0.79 ppbv
RT: 7.13
Delta R.T
Lab File:
Acq: 2 Mar 2022 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 84 Resp: 68690

Ion	Ratio	Lower	Upper
84	100		
56	136.3	116.2	174.4
41	127.0	74.3	111.5#

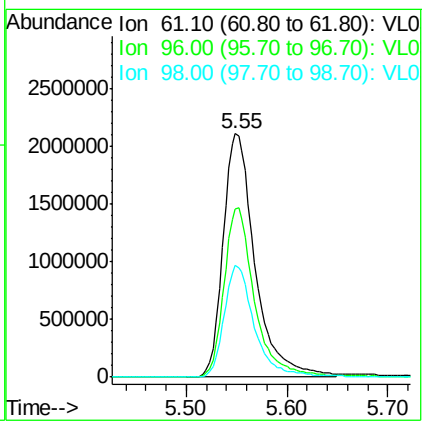


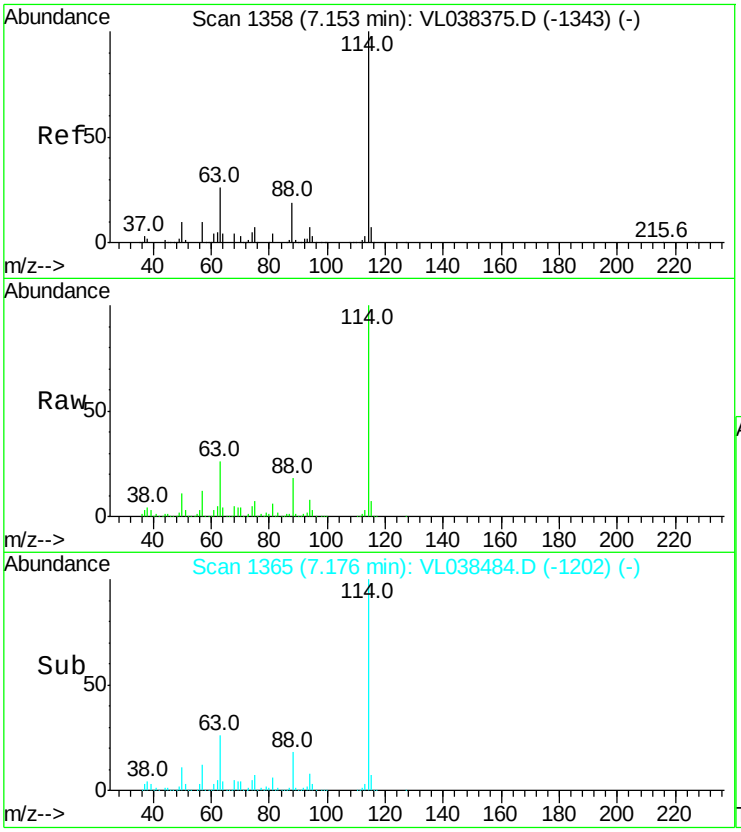


#31
cis-1,2-Dichloroethene
Concen: 45.36 ppbv
RT: 5.55 min Scan# 859
Delta R.T. 0.02 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion: 61 Resp: 4657001

Ion	Ratio	Lower	Upper
61	100		
96	69.2	48.6	73.0
98	46.0	33.2	49.8



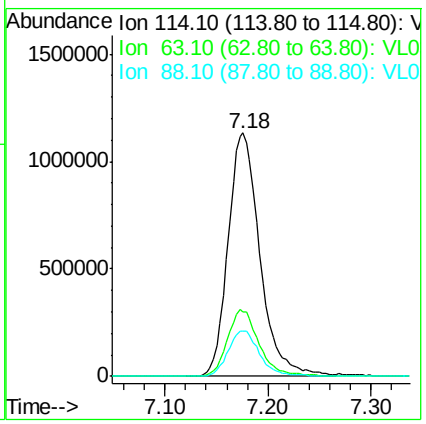


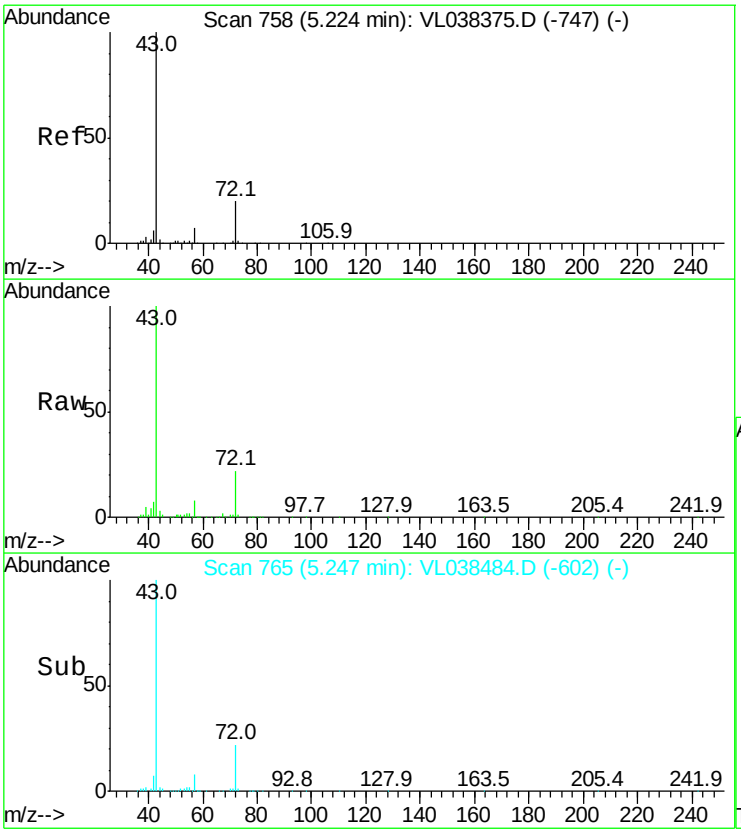
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.18
Delta R.T
Lab File:
Acq: 2 Mar 2022 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion:114 Resp: 2437147

Ion	Ratio	Lower	Upper
114	100		
63	27.5	22.2	33.2
88	18.8	15.2	22.8

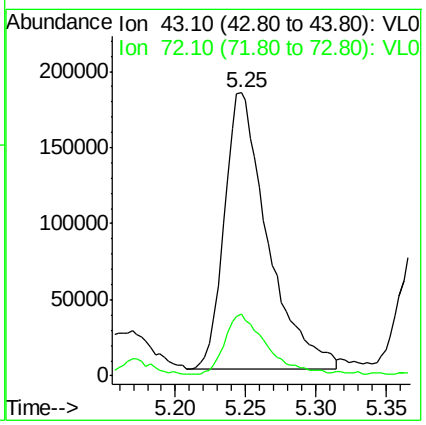


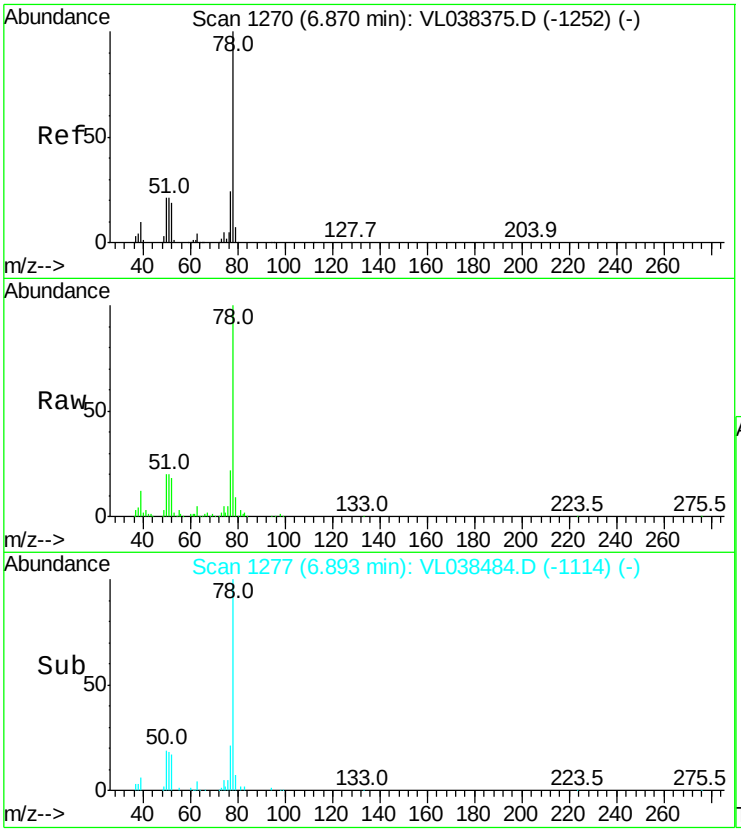


#34
2-Butanone
Concen: 5.12 ppbv
RT: 5.25 min Scan# 765
Delta R.T. 0.02 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion: 43 Resp: 392182

Ion	Ratio	Lower	Upper
43	100		
72	22.4	17.4	26.2



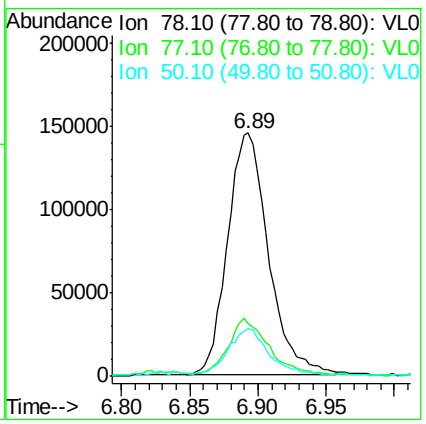


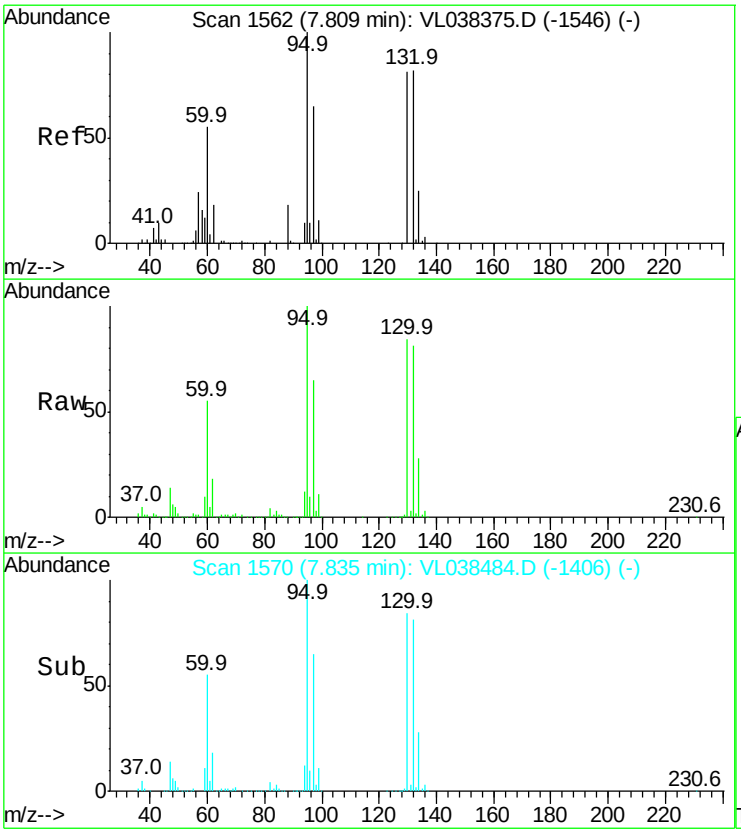
#36
Benzene
Concen: 1.41 ppbv
RT: 6.89
Delta R.T
Lab File:
Acq: 2 Mar 2022 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 78 Resp: 303580

Ion	Ratio	Lower	Upper
78	100		
77	20.7	19.0	28.6
50	19.1	16.6	24.8

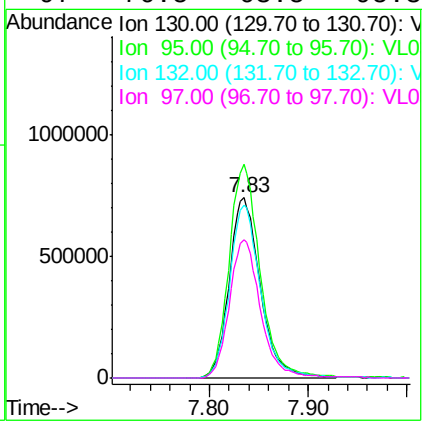


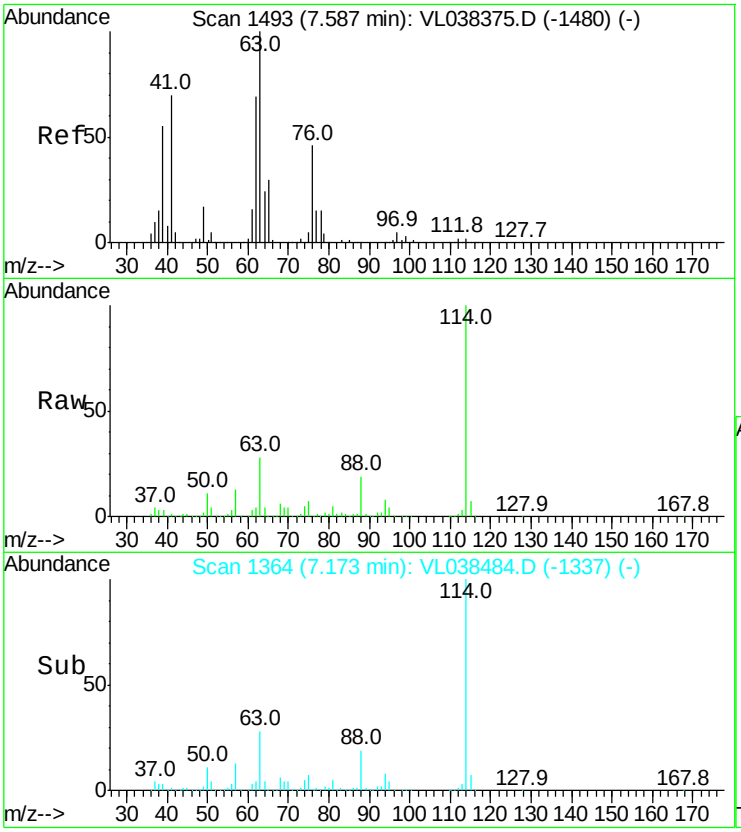


#38
Trichloroethene
Concen: 20.82 ppbv
RT: 7.83 min Scan# 1570
Delta R.T. 0.03 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion:130 Resp: 1626991

Ion	Ratio	Lower	Upper
130	100		
95	118.4	98.1	147.1
132	95.9	80.3	120.5
97	76.5	63.5	95.3



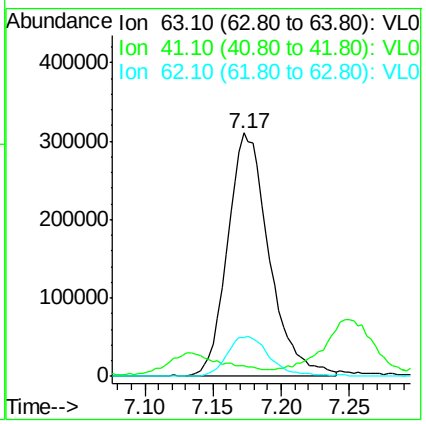


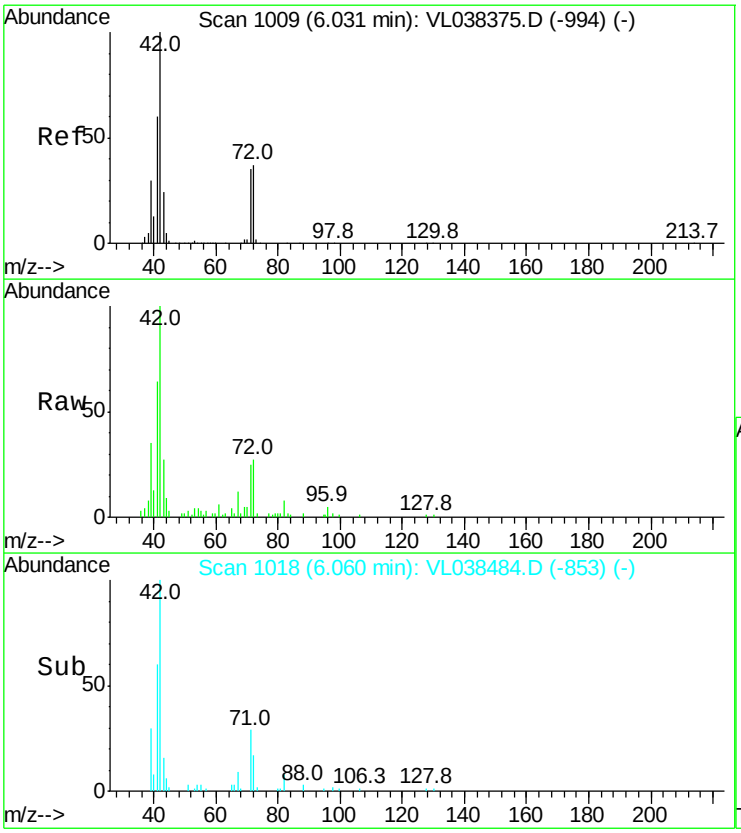
#39
1,2-Dichloropropane
Concen: 7.62 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 2 Mar 2022 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 63 Resp: 651400

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.1	84.1#
62	15.6	55.5	83.3#

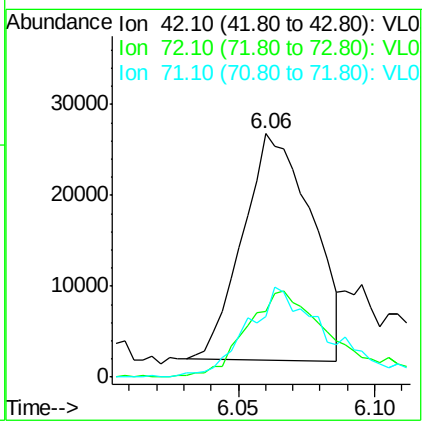


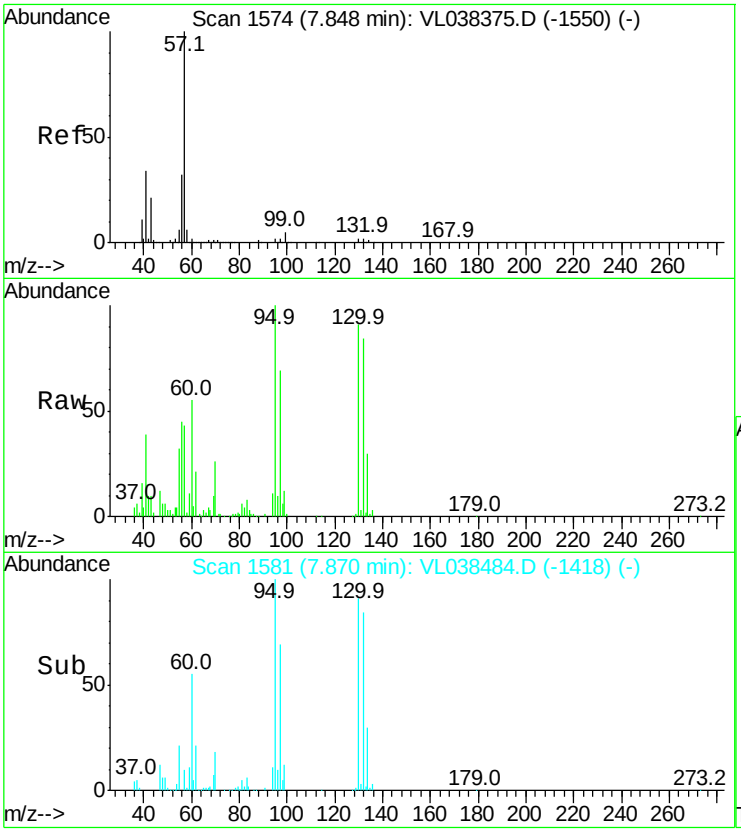


#41
Tetrahydrofuran
Concen: 0.85 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.03 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion: 42 Resp: 44067

Ion	Ratio	Lower	Upper
42	100		
72	50.4	29.9	44.9#
71	49.5	28.6	42.8#



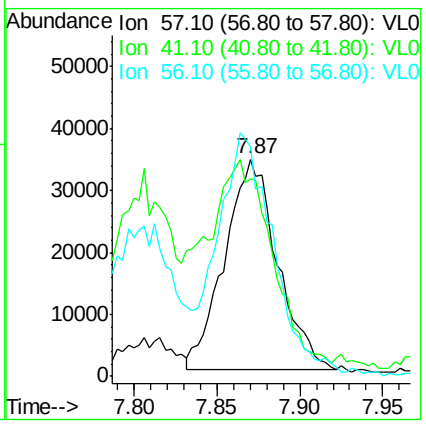


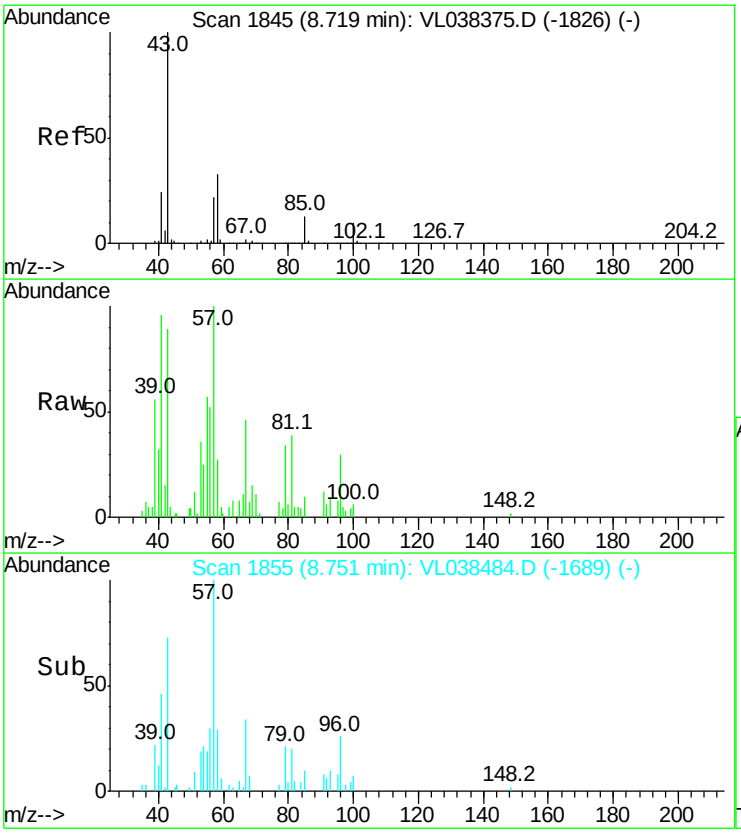
#44
2,2,4-Trimethylpentane
Concen: 0.20 ppbv
RT: 7.87
Delta R.T
Lab File:
Acq: 2 Mar 2022 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 57 Resp: 75583

Ion	Ratio	Lower	Upper
57	100		
41	133.0	26.6	39.8#
56	124.0	25.0	37.6#

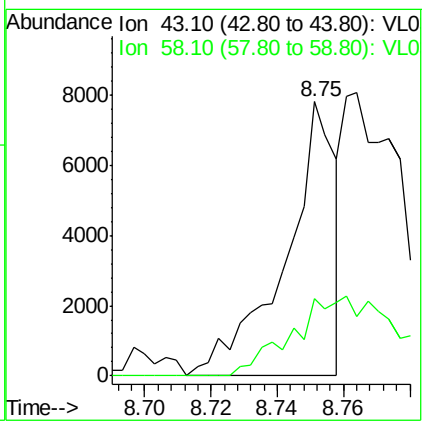


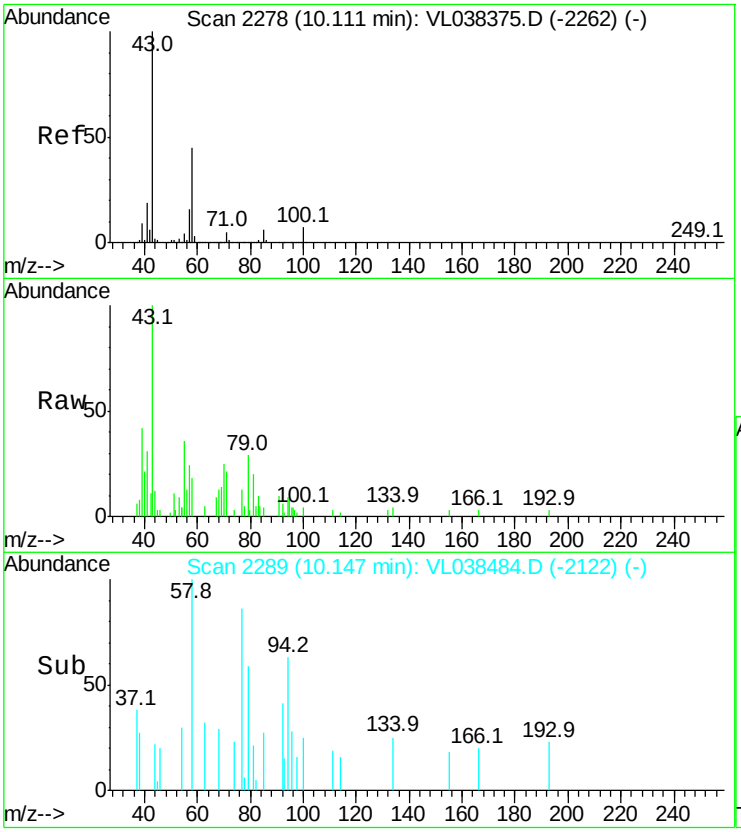


#50
4-Methyl-2-Pentanone
Concen: 0.06 ppbv
RT: 8.75 min Scan# 1855
Delta R.T. 0.03 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion: 43 Resp: 8191

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.7	41.5#



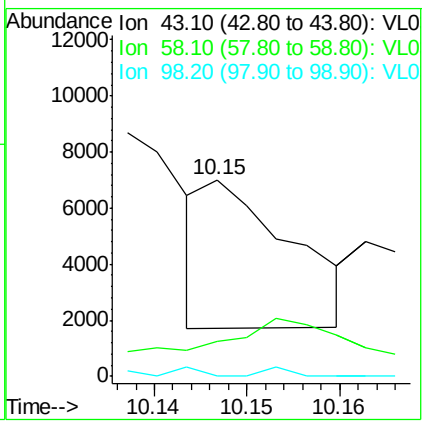


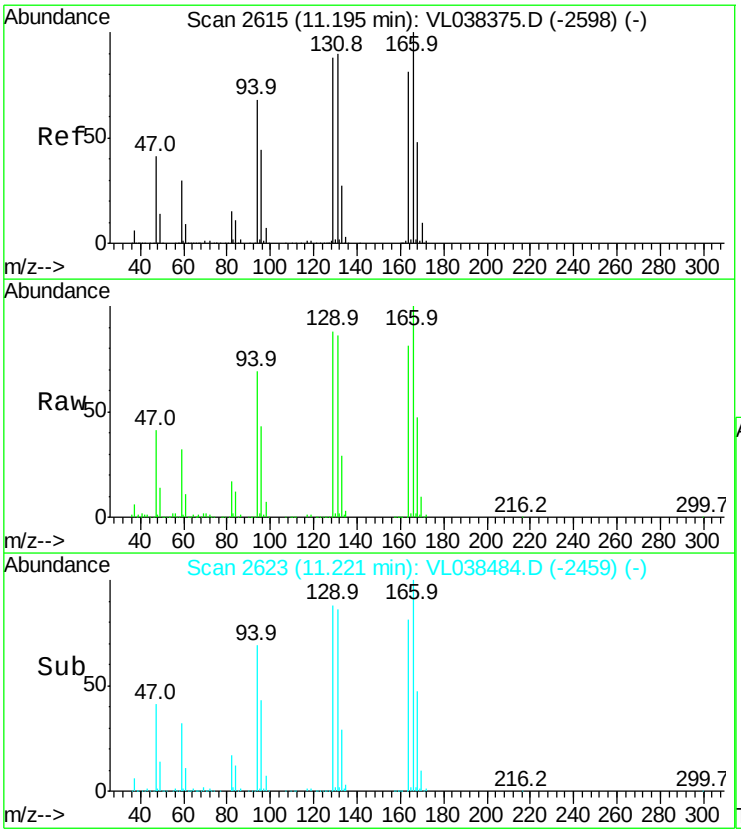
#51
2-Hexanone
Concen: 0.06 ppbv
RT: 10.15
Delta R.T
Lab File:
Acq: 2 Mar 2022 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 43 Resp: 3480

Ion	Ratio	Lower	Upper
43	100		
58	170.1	37.4	56.0#
98	0.0	0.1	0.1#

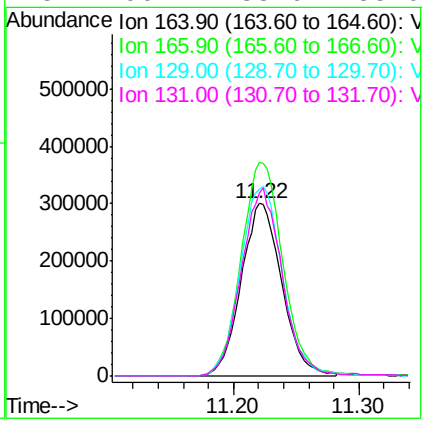


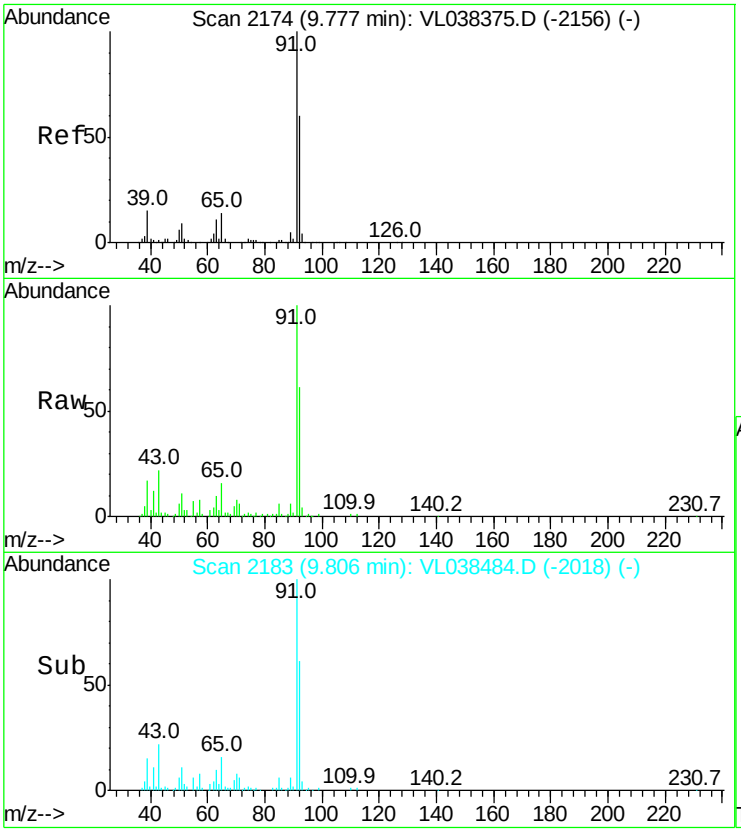


#52
Tetrachloroethene
Concen: 9.47 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.03 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion:164 Resp: 674478

Ion	Ratio	Lower	Upper
164	100		
166	123.8	98.6	148.0
129	108.4	86.9	130.3
131	106.2	88.6	133.0



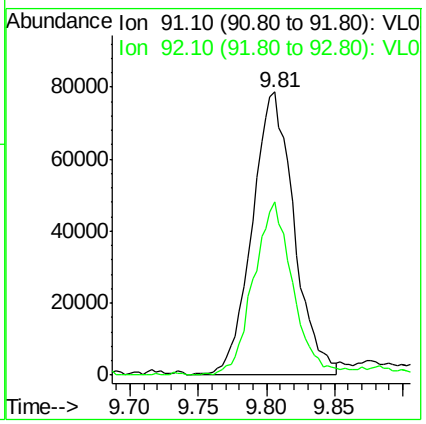


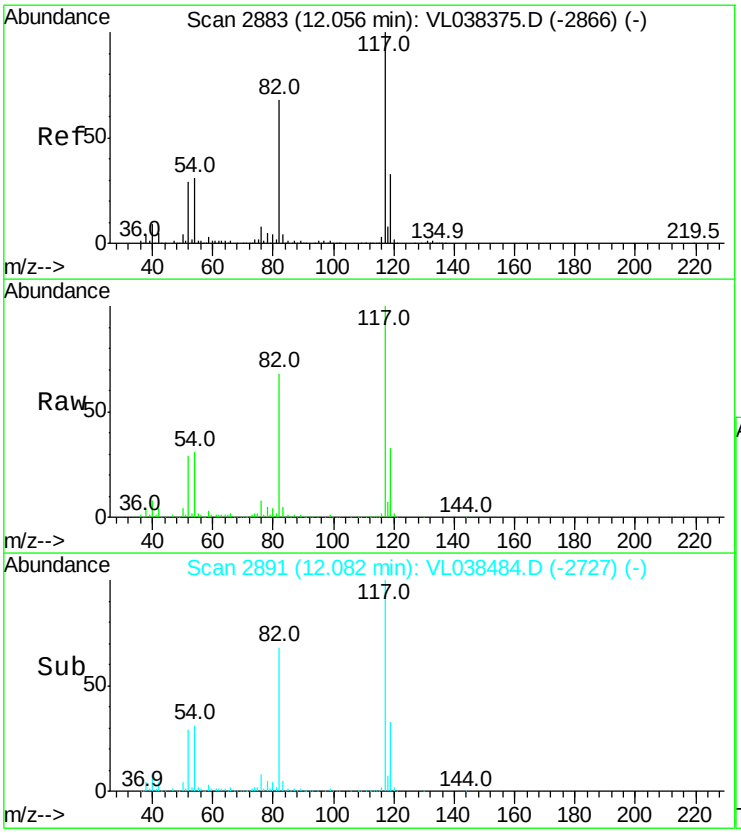
#53
Toluene
Concen: 0.71 ppbv
RT: 9.81
Delta R.T
Lab File:
Acq: 2 Mar 2022 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 91 Resp: 166064

Ion	Ratio	Lower	Upper
91	100		
92	58.5	48.2	72.4

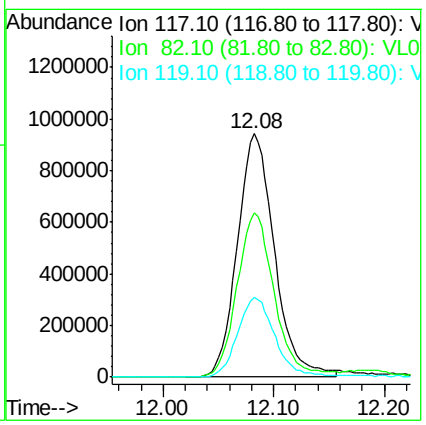


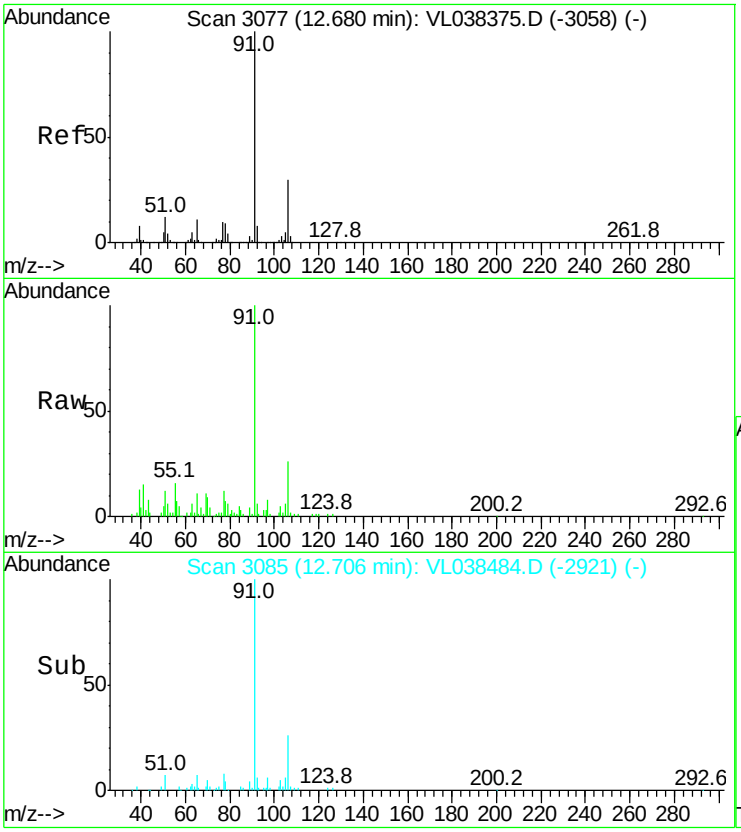


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. 0.03 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion:117 Resp: 2204871

Ion	Ratio	Lower	Upper
117	100		
82	67.5	54.9	82.3
119	33.6	46.1	69.1#



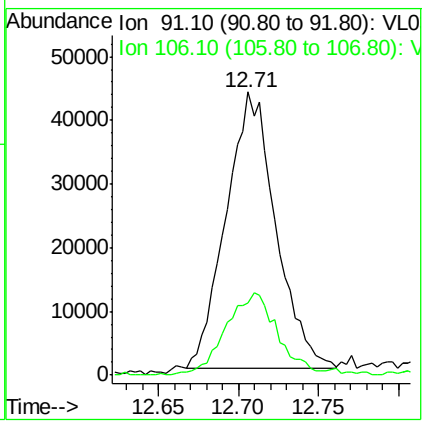


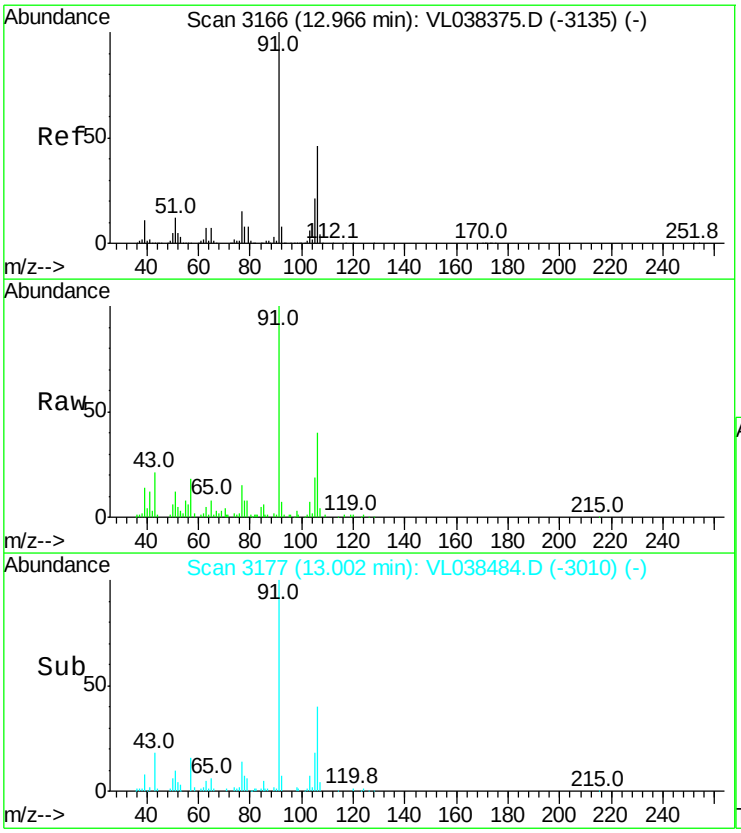
#58
Ethyl Benzene
Concen: 0.31 ppbv
RT: 12.71
Delta R.T
Lab File:
Acq: 2 Mar 2022 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 91 Resp: 92394

Ion	Ratio	Lower	Upper
91	100		
106	25.0	24.0	36.0

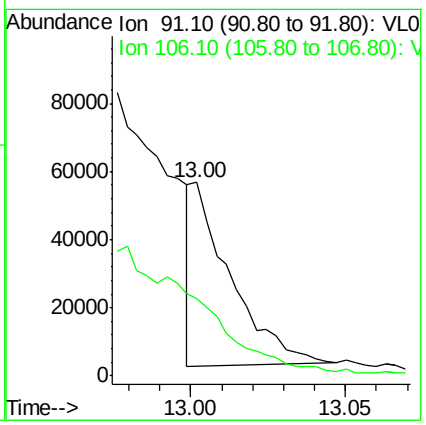


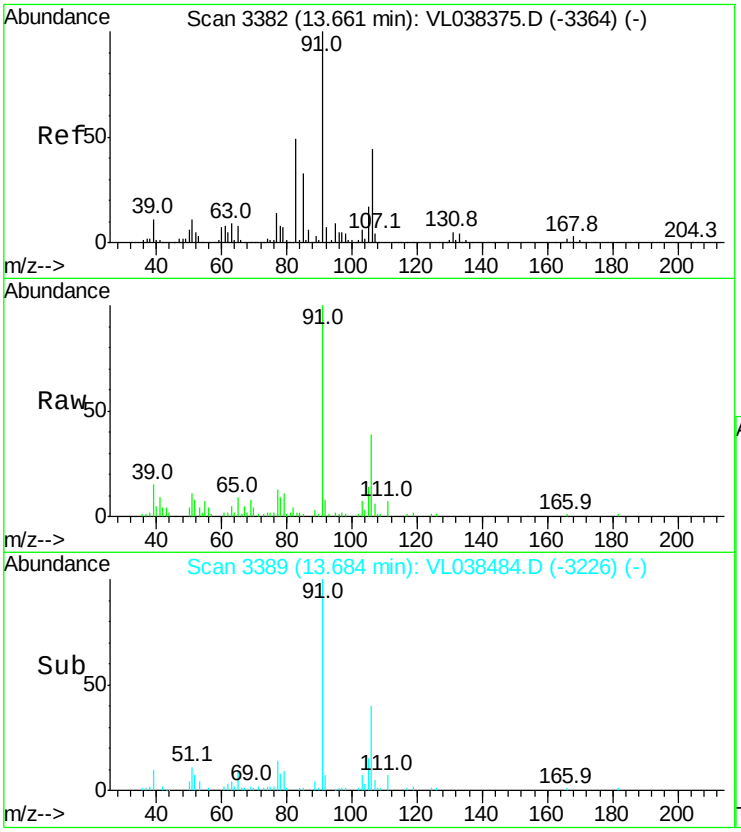


#59
m/p-Xylene
Concen: 0.18 ppbv
RT: 13.00 min Scan# 3177
Delta R.T. 0.04 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion: 91 Resp: 46007

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.4	51.6#



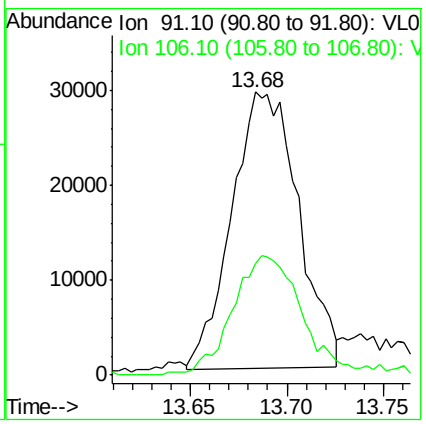


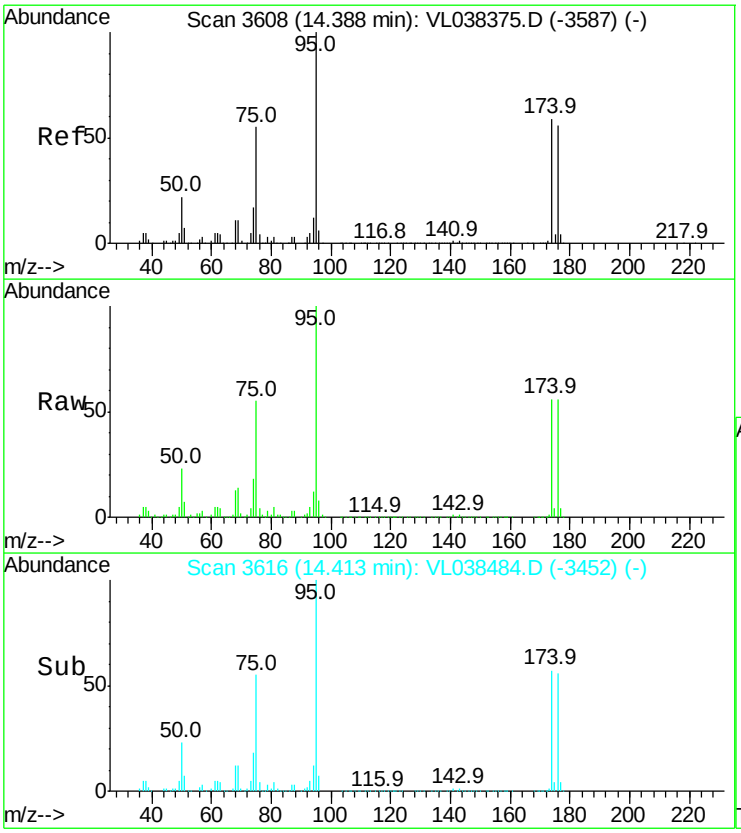
#60
o-Xylene
Concen: 0.28 ppbv
RT: 13.68
Delta R.T
Lab File:
Acq: 2 Mar 2022 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 91 Resp: 69607

Ion	Ratio	Lower	Upper
91	100		
106	46.3	21.9	65.5

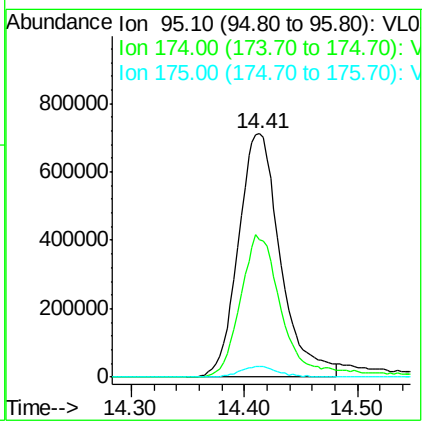


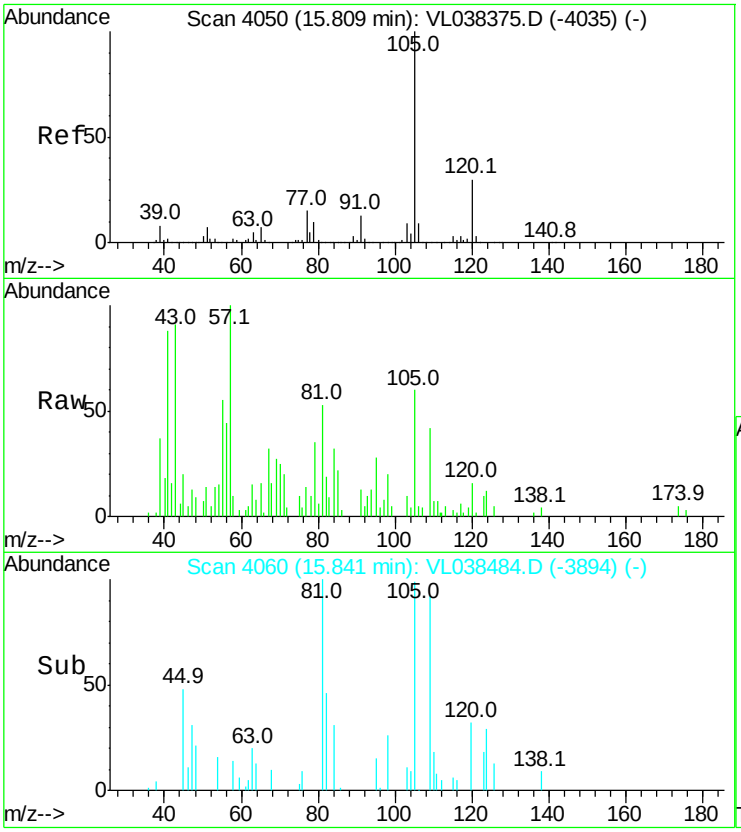


#68
1-Bromo-4-Fluorobenzene
Concen: 10.10 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. 0.03 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion: 95 Resp: 1842705

Ion	Ratio	Lower	Upper
95	100		
174	59.3	49.0	73.4
175	4.3	3.6	5.4



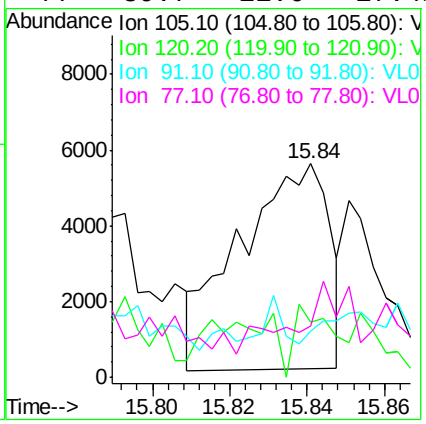


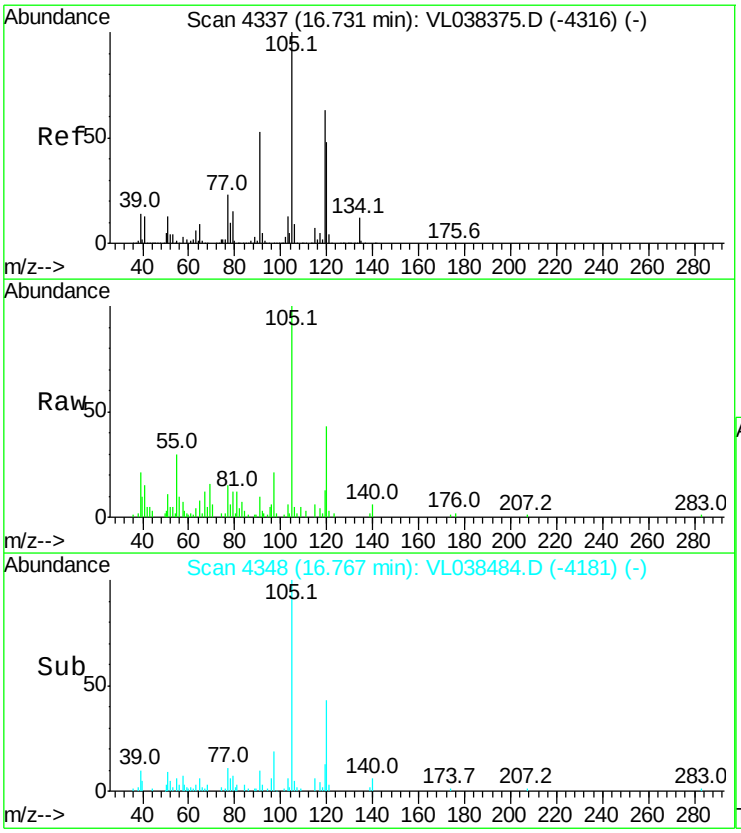
#72
4-Ethyltoluene
Concen: 0.03 ppbv
RT: 15.84
Delta R.T
Lab File:
Acq: 2 Mar 2022 16:34

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion:105 Resp: 8773

Ion	Ratio	Lower	Upper
105	100		
120	21.7	23.4	35.2#
91	0.0	10.4	15.6#
77	39.7	11.6	17.4#





#74
1,2,4-Trimethylbenzene
Concen: 0.08 ppbv
RT: 16.77 min Scan# 4348
Delta R.T. 0.04 min
Lab File: VL038484.D
Acq: 2 Mar 2022 16:34

Tgt Ion:105 Resp: 19711

Ion	Ratio	Lower	Upper
105	100		
120	43.4	38.2	57.4
91	5.5	42.7	64.1#
77	11.8	18.5	27.7#