Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030222\
Data File : VL038489.D
Acq On : 2 Mar 2022 19:45
Operator : SY/AP
Sample : N1724-03 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-3

Quant Time: Mar 02 22:39:57 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	895551	10.00	ppbv		0.02
33) 1,4-Difluorobenzene	7.18	114	2442192	10.00	ppbv		0.02
55) Chlorobenzene-d5	12.09	117	2196410	10.00	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	2246999	12.36	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 123.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	18947	0.13	ppbv		95
3) Chlorodifluoromethane	2.99	51	8759	0.06	ppbv	#	69
4) Chloromethane	3.15	50	4060	0.07	ppbv	#	81
9) Propene	3.21	41	1575005	30.16	ppbv		97
10) Heptane	8.12	43	327083	2.57	ppbv		98
11) Trichlorofluoromethane	3.95	101	5327	0.04	ppbv		84
13) Ethanol	3.61	45	198006	38.00	ppbv		91
15) Acetone	3.85	43	484986	6.37	ppbv	#	30
16) 1,3-Butadiene	3.31	39	443555	8.72	ppbv	#	42
19) Isopropyl Alcohol	3.97	45	94255	2.14	ppbv	#	1
20) Methylene Chloride	4.35	84	67550	1.79	ppbv		95
21) Allyl Chloride	4.37	41	34724	0.54	ppbv	#	1
23) Vinyl Acetate	5.06	43	118019	1.17	ppbv	#	1
25) Ethyl Acetate	5.69	43	1084020	5.30	ppbv	#	78
26) Hexane	5.69	57	1512996	16.33	ppbv	#	43
27) Carbon Disulfide	4.55	76	12567	0.12	ppbv	#	59
29) Chloroform	5.76	83	25716	0.17	ppbv	#	80
30) Cyclohexane	7.14	84	39221	0.52	ppbv	#	80
34) 2-Butanone	5.25	43	88400	1.15	ppbv	#	81
35) Carbon Tetrachloride	7.02	117	112123	0.65	ppbv		96
36) Benzene	6.89	78	98715	0.46	ppbv		91
39) 1,2-Dichloropropane	7.18	63	603679	7.05	ppbv	#	24
41) Tetrahydrofuran	6.06	42	7109	0.14	ppbv	#	1
42) Bromodichloromethane	7.79	83	10163	0.06	ppbv	#	24
44) 2,2,4-Trimethylpentane	7.87	57	99796	0.27	ppbv	#	1
50) 4-Methyl-2-Pentanone	8.76	43	15818	0.12	ppbv	#	83
51) 2-Hexanone	10.11	43	495246	8.15	ppbv	#	31
52) Tetrachloroethene	11.22	164	35115	0.49	ppbv		97
53) Toluene	9.81	91	93718	0.40	ppbv		99
57) Chlorobenzene	12.19	112	238715	1.41	ppbv	#	31
58) Ethyl Benzene	12.71	91	118741	0.40	ppbv		96
59) m/p-Xylene	12.96	91	139089	0.54	ppbv	#	1
60) o-Xylene	13.69	91	79870	0.33	ppbv		97
62) Isopropylbenzene	14.66	105	91507	0.28	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.78	83	199847	1.01	ppbv	#	27
67) sec-Butylbenzene	17.29	105	57939	0.14	ppbv		98
74) 1,2,4-Trimethylbenzene	16.77	105	18837	0.07	ppbv	#	67

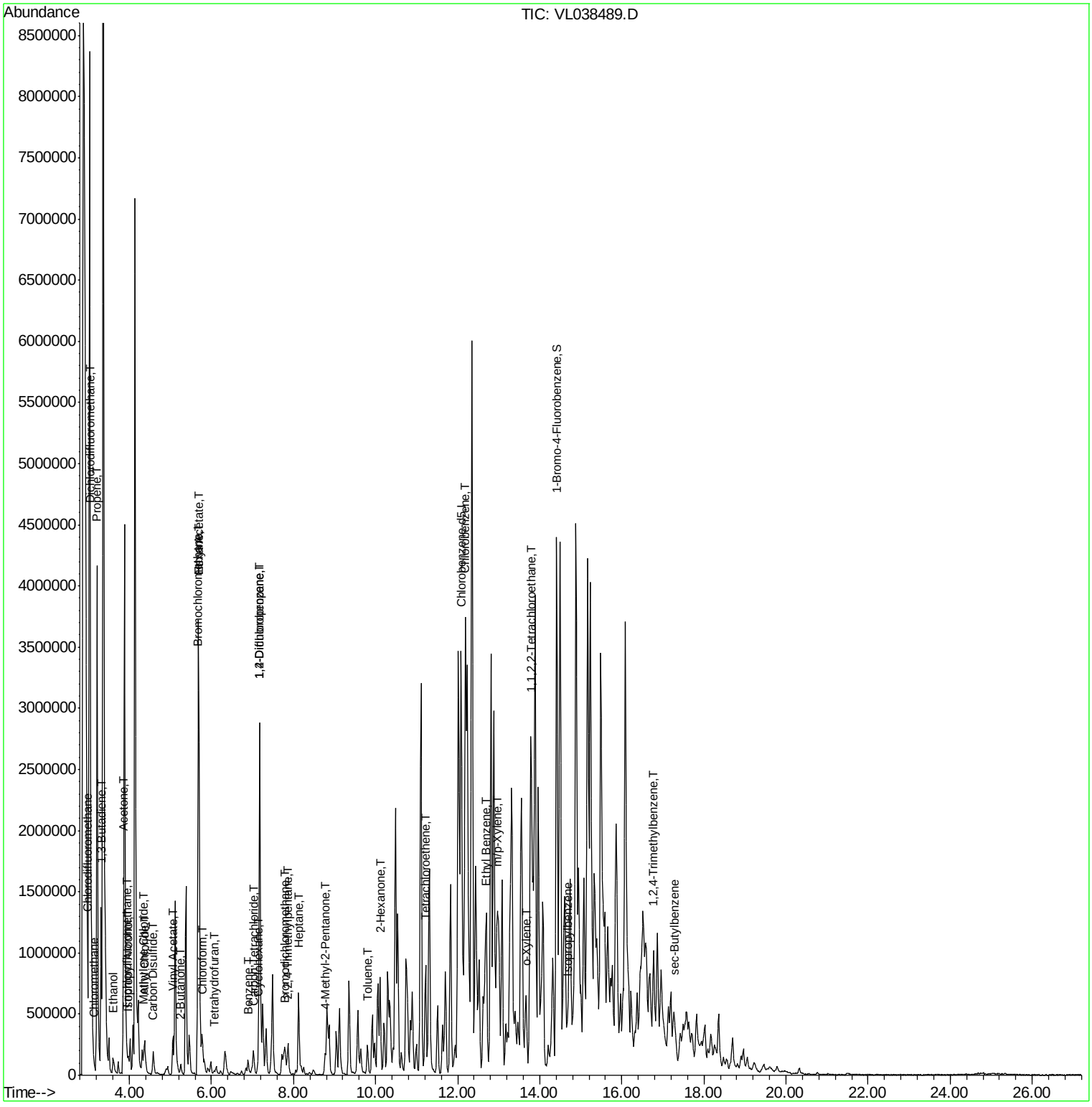
(#) = qualifier out of range (m) = manual integration (+) = signals summed

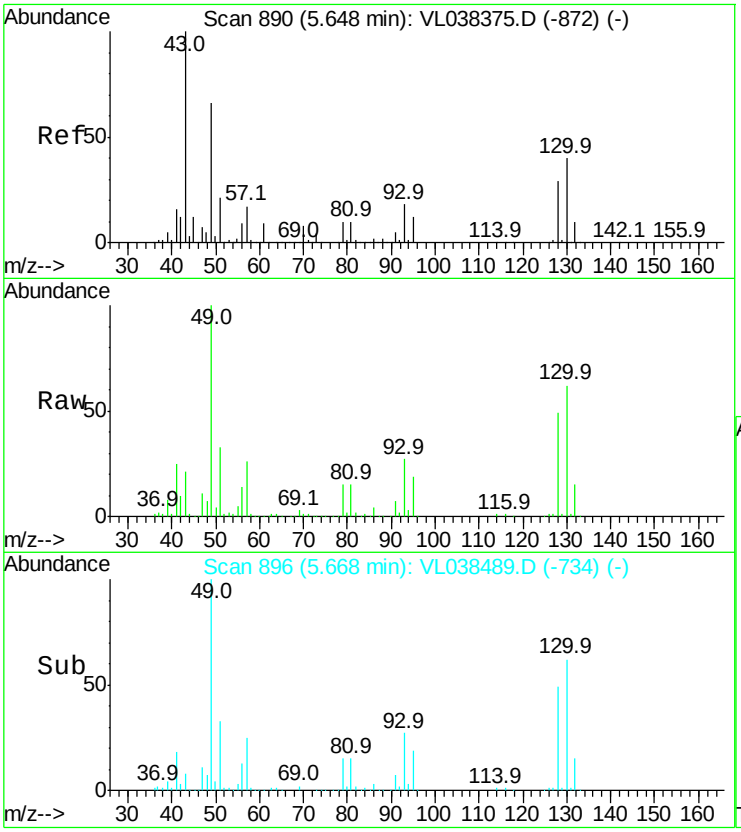
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030222\
Data File : VL038489.D
Acq On : 2 Mar 2022 19:45
Operator : SY/AP
Sample : N1724-03 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Quant Time: Mar 02 22:39:57 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



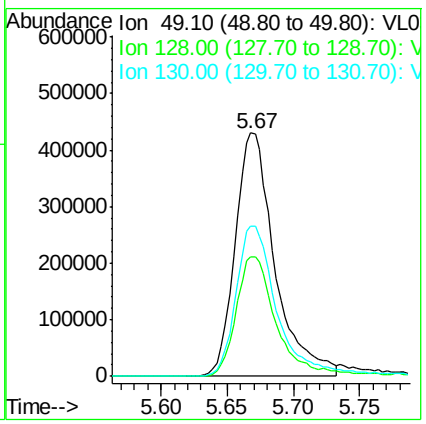


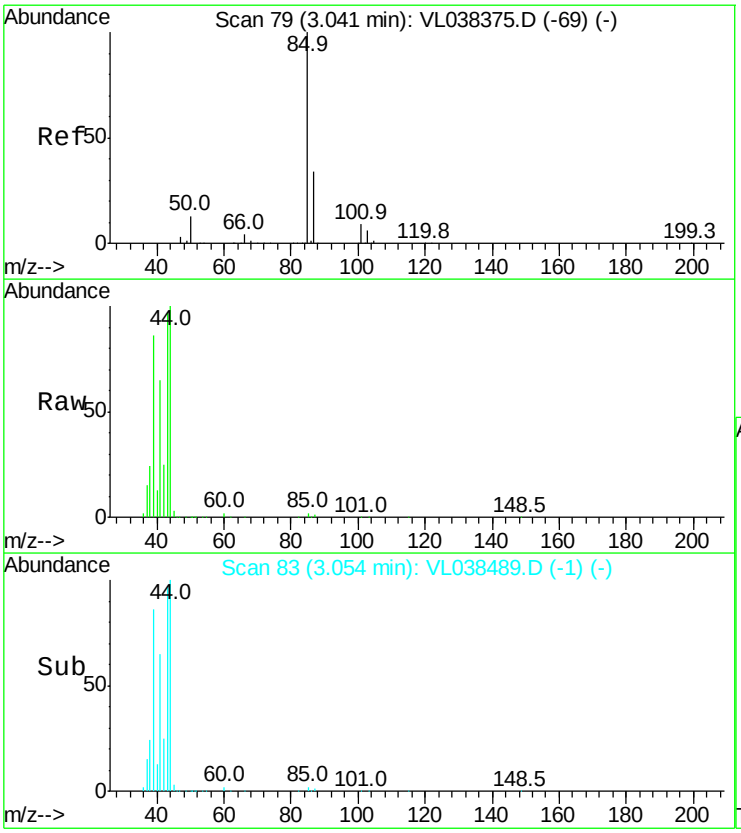
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 2 Mar 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 49 Resp: 895551

Ion	Ratio	Lower	Upper
49	100		
128	51.8	24.3	72.9
130	65.5	30.1	90.5

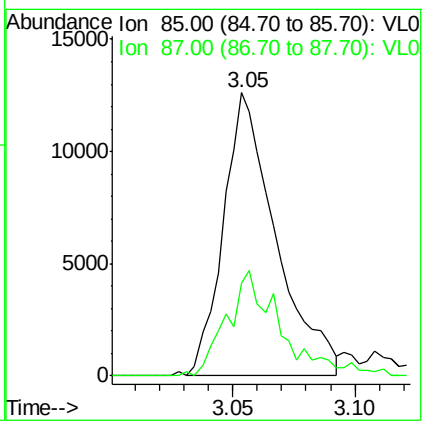


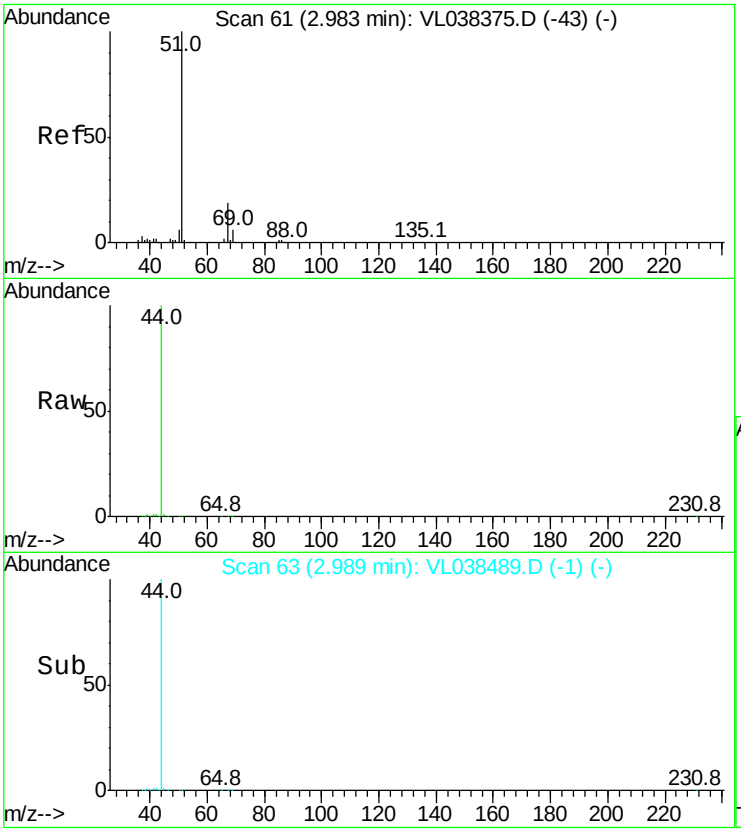


#2
Dichlorodifluoromethane
Concen: 0.13 ppbv
RT: 3.05 min Scan# 83
Delta R.T. 0.01 min
Lab File: VL038489.D
Acq: 2 Mar 2022 19:45

Tgt Ion: 85 Resp: 18947

Ion	Ratio	Lower	Upper
85	100		
87	31.1	27.4	41.0



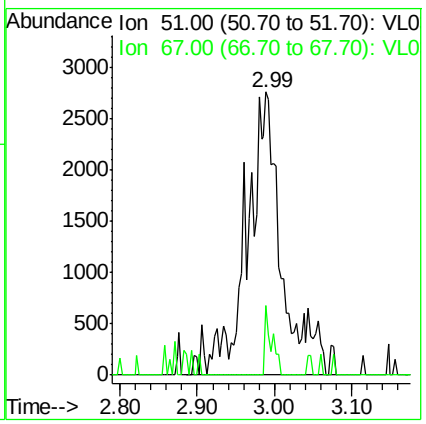


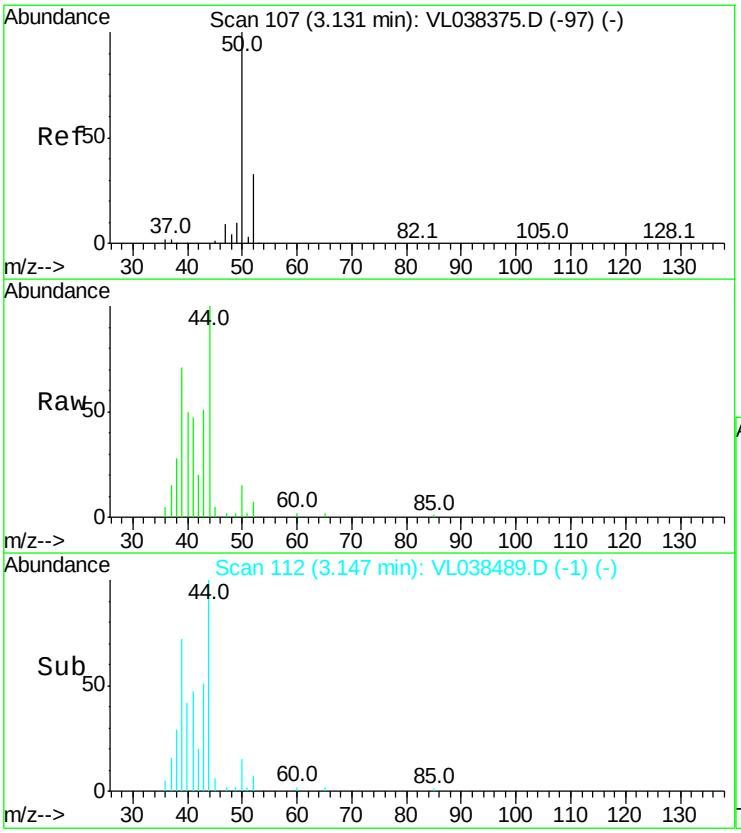
#3
Chlorodifluoromethane
Concen: 0.06 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 2 Mar 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 51 Resp: 8759

Ion	Ratio	Lower	Upper
51	100		
67	4.6	14.7	22.1#

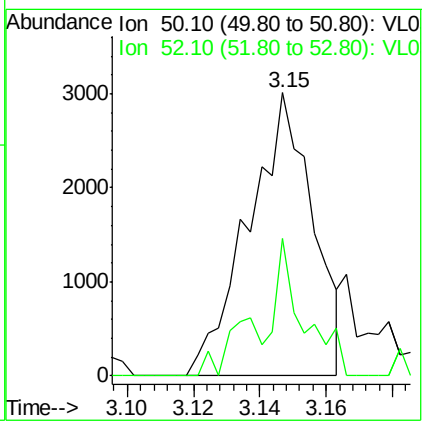


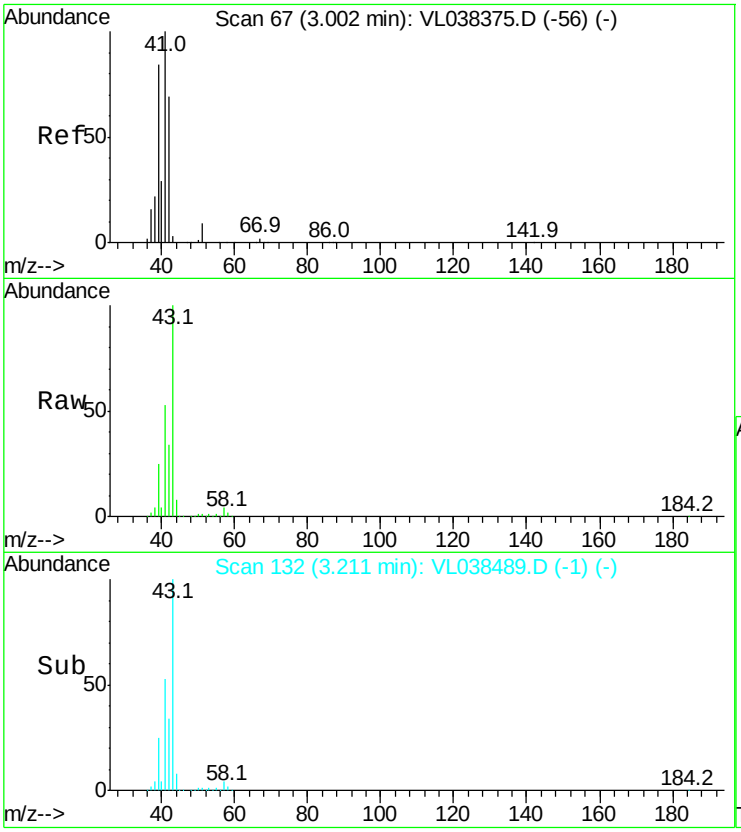


#4
Chloromethane
Concen: 0.07 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.02 min
Lab File: VL038489.D
Acq: 2 Mar 2022 19:45

Tgt Ion: 50 Resp: 4060

Ion	Ratio	Lower	Upper
50	100		
52	43.9	26.5	39.7#



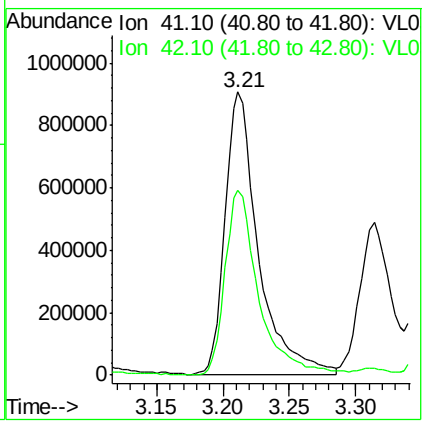


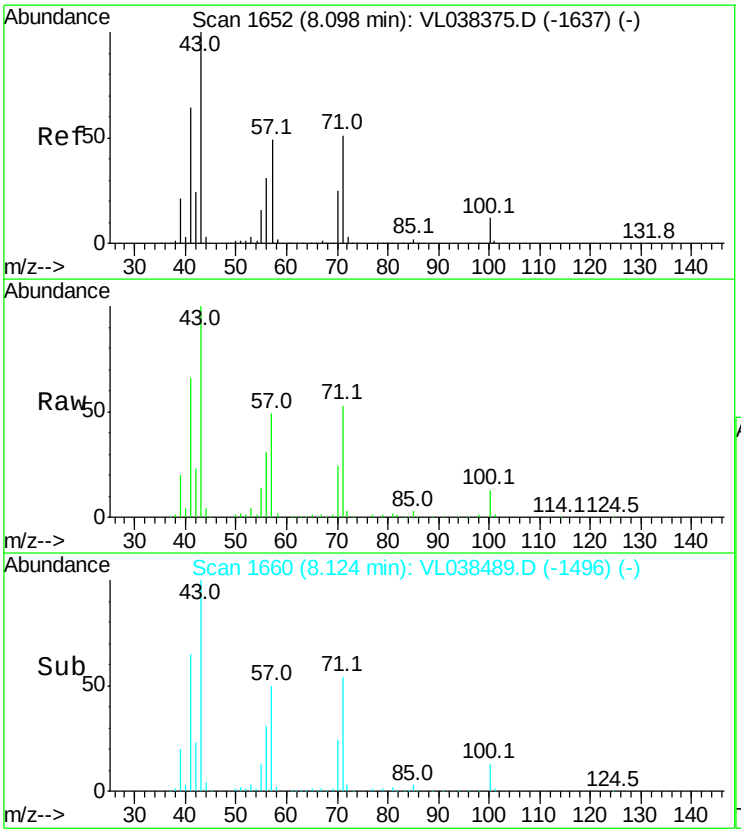
#9
Propene
Concen: 30.16 ppbv
RT: 3.21
Delta R.T
Lab File:
Acq: 2 Mar 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 41 Resp: 1575005

Ion	Ratio	Lower	Upper
41	100		
42	65.6	54.6	82.0

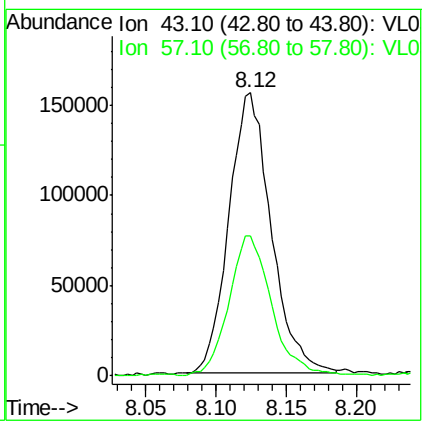


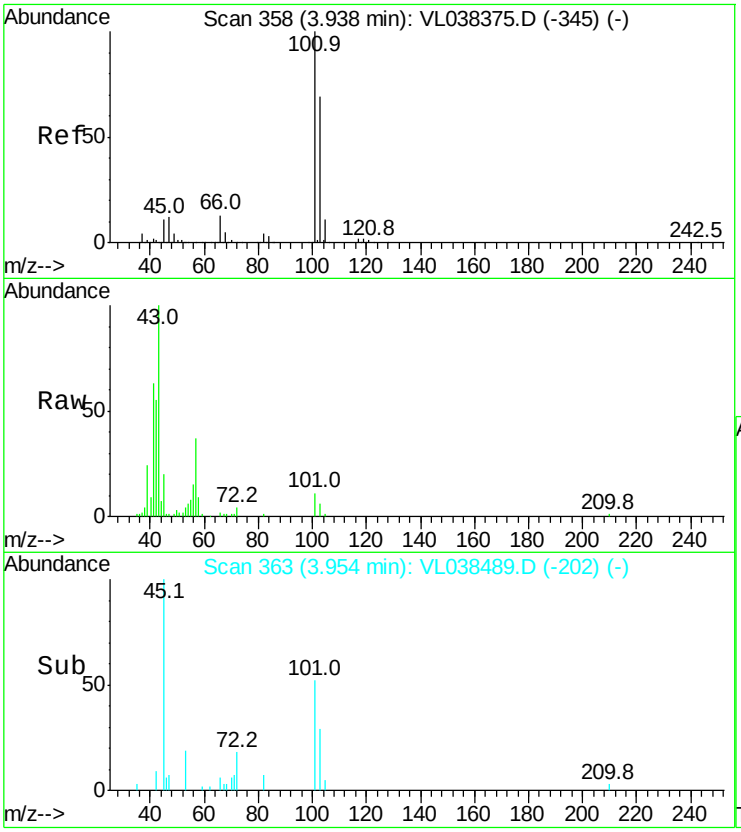


#10
Heptane
Concen: 2.57 ppbv
RT: 8.12 min Scan# 1660
Delta R.T. 0.03 min
Lab File: VL038489.D
Acq: 2 Mar 2022 19:45

Tgt Ion: 43 Resp: 327083

Ion	Ratio	Lower	Upper
43	100		
57	51.4	39.8	59.8



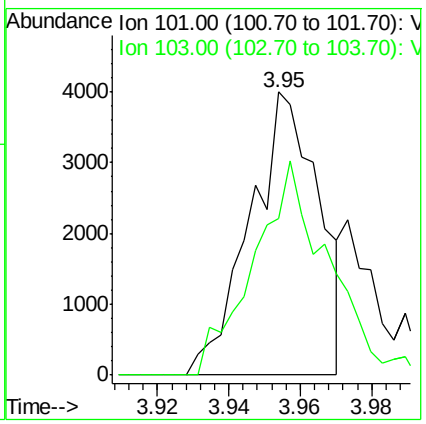


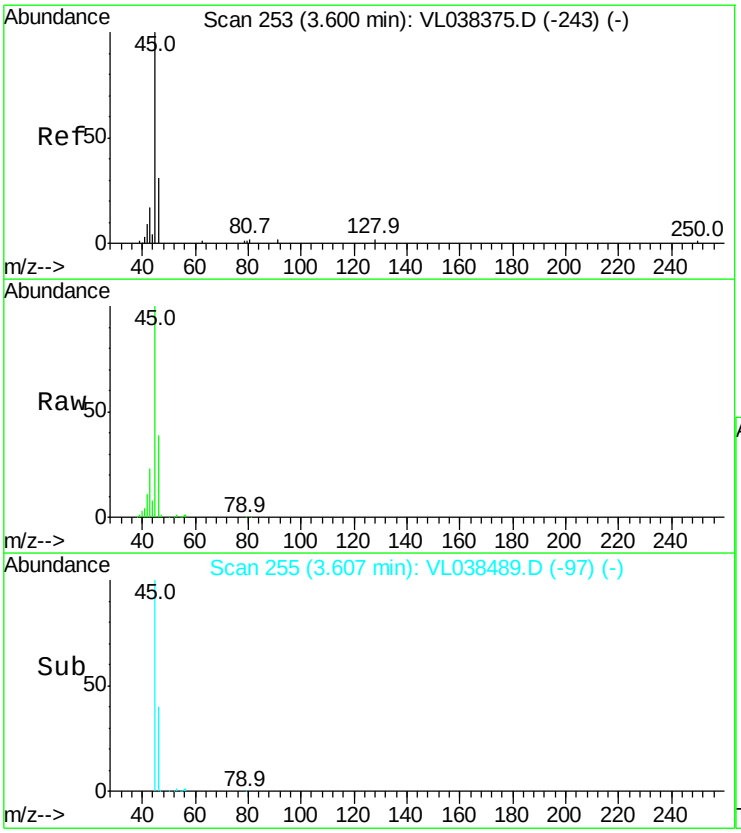
#11
Trichlorofluoromethane
Concen: 0.04 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 2 Mar 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion:101 Resp: 5327

Ion	Ratio	Lower	Upper
101	100		
103	55.4	55.0	82.4

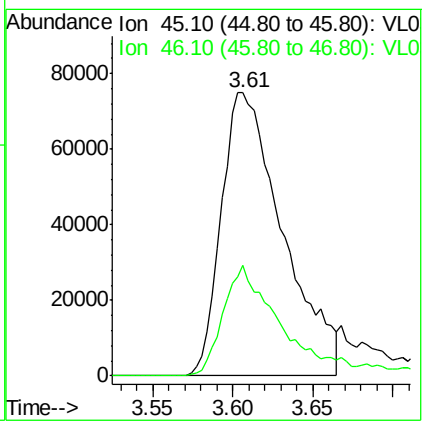


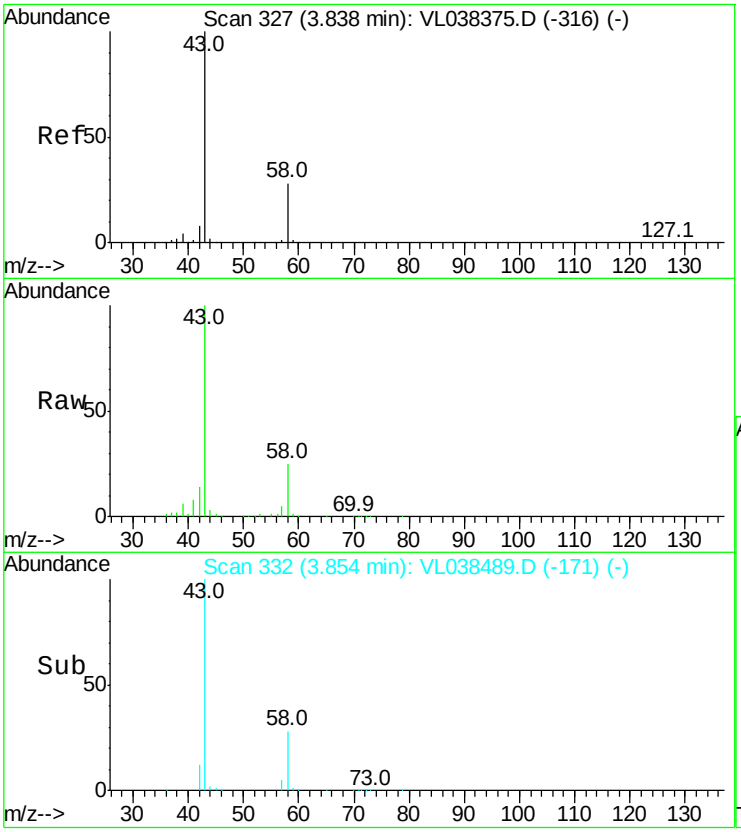


#13
Ethanol
Concen: 38.00 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL038489.D
Acq: 2 Mar 2022 19:45

Tgt Ion: 45 Resp: 198006

Ion	Ratio	Lower	Upper
45	100		
46	39.8	18.2	72.8



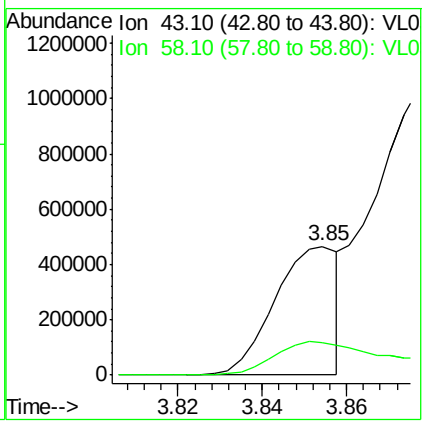


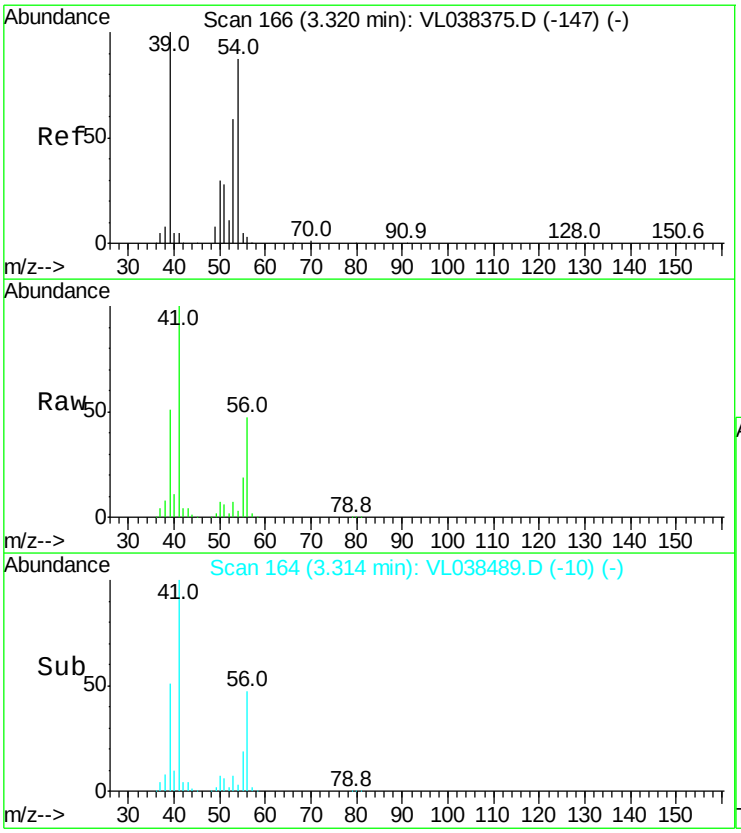
#15
Acetone
Concen: 6.37 ppbv
RT: 3.85
Delta R.T
Lab File:
Acq: 2 Mar 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 43 Resp: 484986

Ion	Ratio	Lower	Upper
43	100		
58	63.5	21.7	32.5#

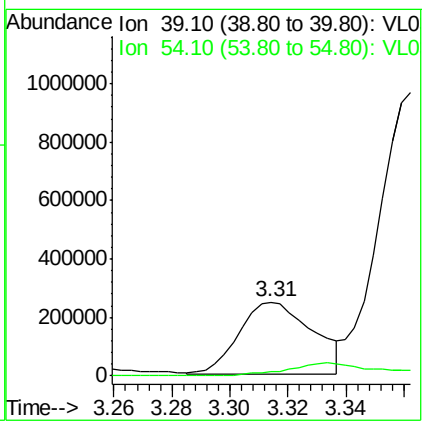


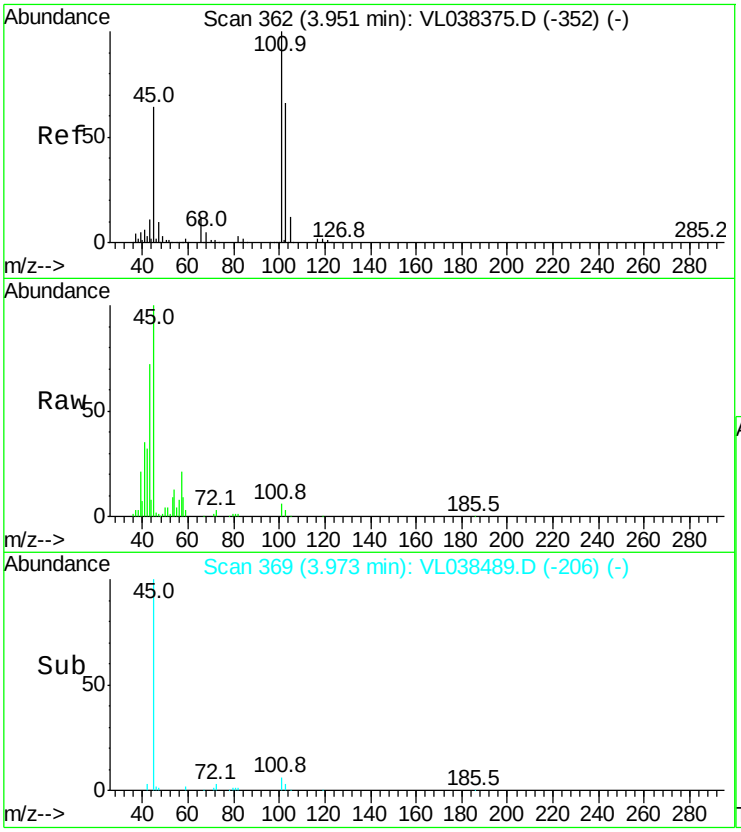


#16
1,3-Butadiene
Concen: 8.72 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.01 min
Lab File: VL038489.D
Acq: 2 Mar 2022 19:45

Tgt Ion: 39 Resp: 443555

Ion	Ratio	Lower	Upper
39	100		
54	25.5	60.3	90.5#



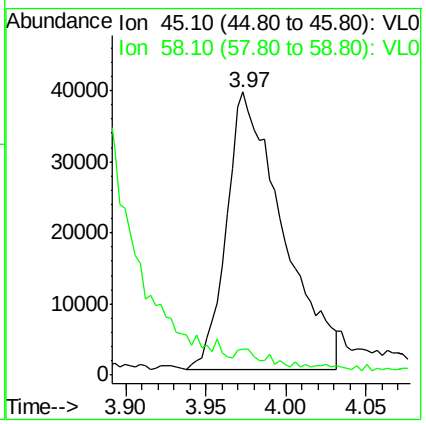


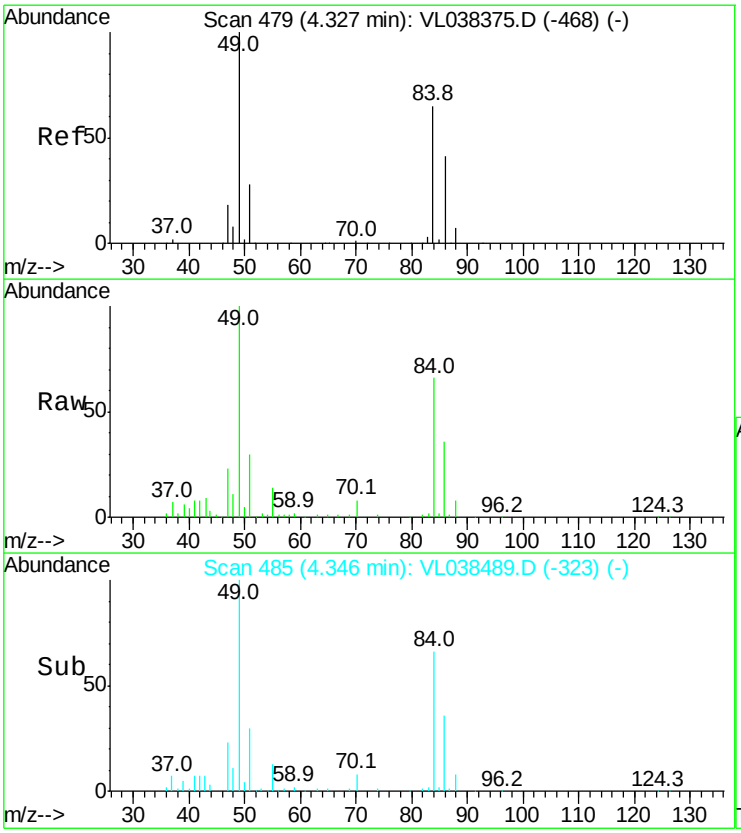
#19
Isopropyl Alcohol
Concen: 2.14 ppbv
RT: 3.97
Delta R.T
Lab File:
Acq: 2 Mar 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 45 Resp: 94255

Ion	Ratio	Lower	Upper
45	100		
58	321.2	1.8	2.8#

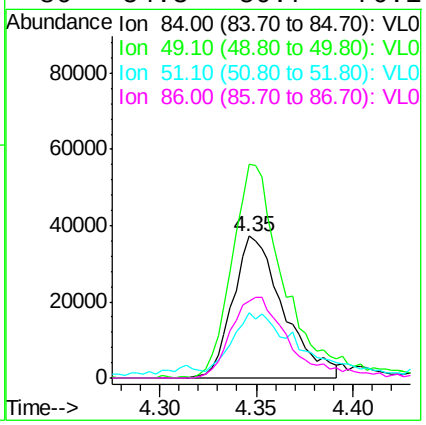


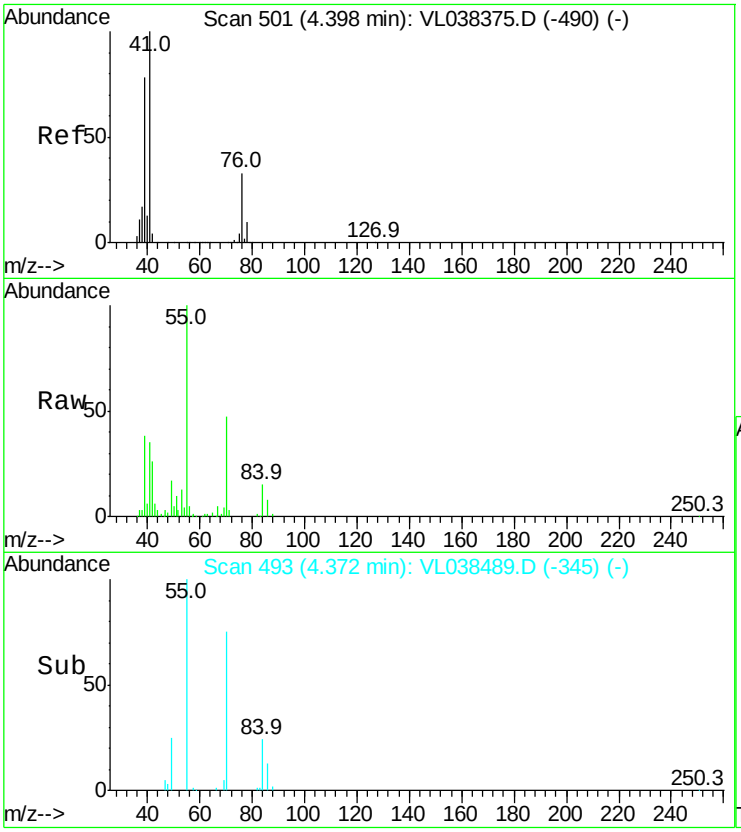


#20
Methylene Chloride
Concen: 1.79 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.02 min
Lab File: VL038489.D
Acq: 2 Mar 2022 19:45

Tgt Ion: 84 Resp: 67550

Ion	Ratio	Lower	Upper
84	100		
49	149.9	122.4	183.6
51	37.3	33.3	49.9
86	54.3	50.7	76.1



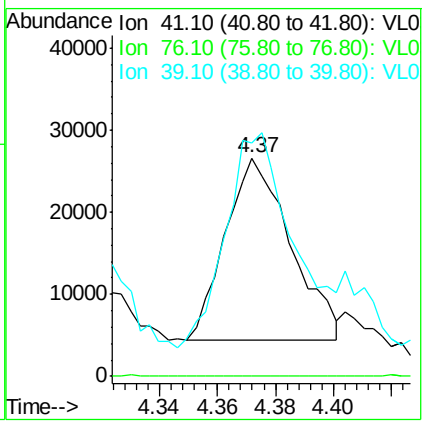


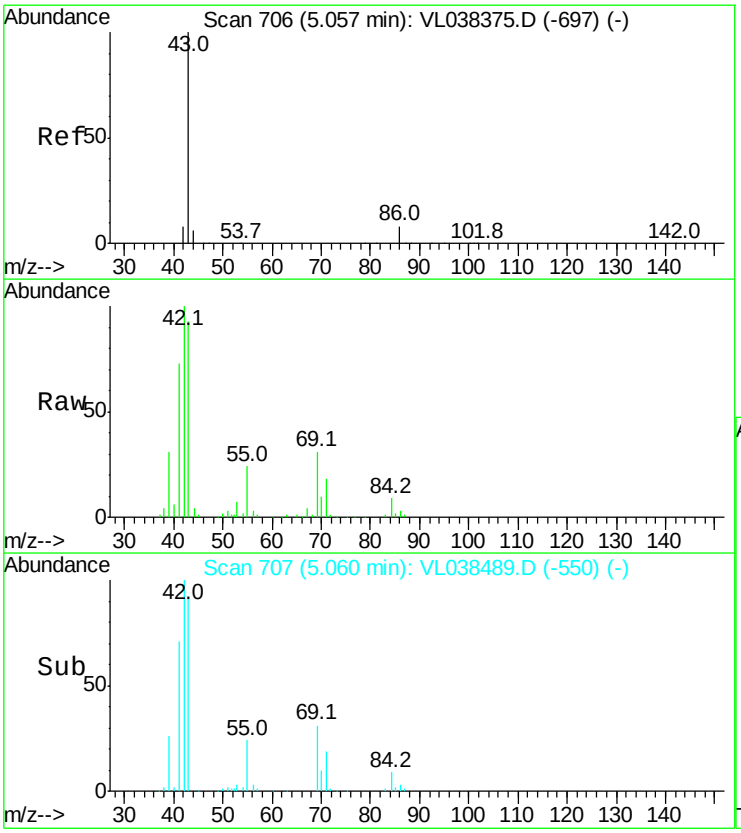
#21
Allyl Chloride
Concen: 0.54 ppbv
RT: 4.37
Delta R.T
Lab File:
Acq: 2 Mar 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 41 Resp: 34724

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.4	38.0#
39	182.1	63.0	94.6#

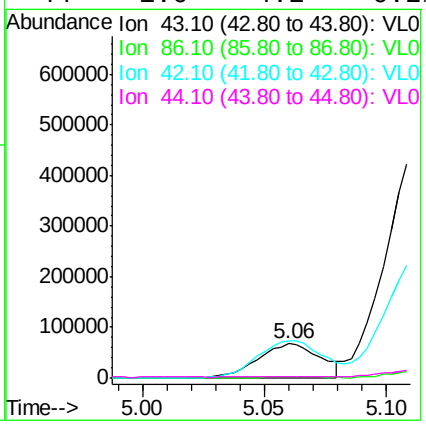


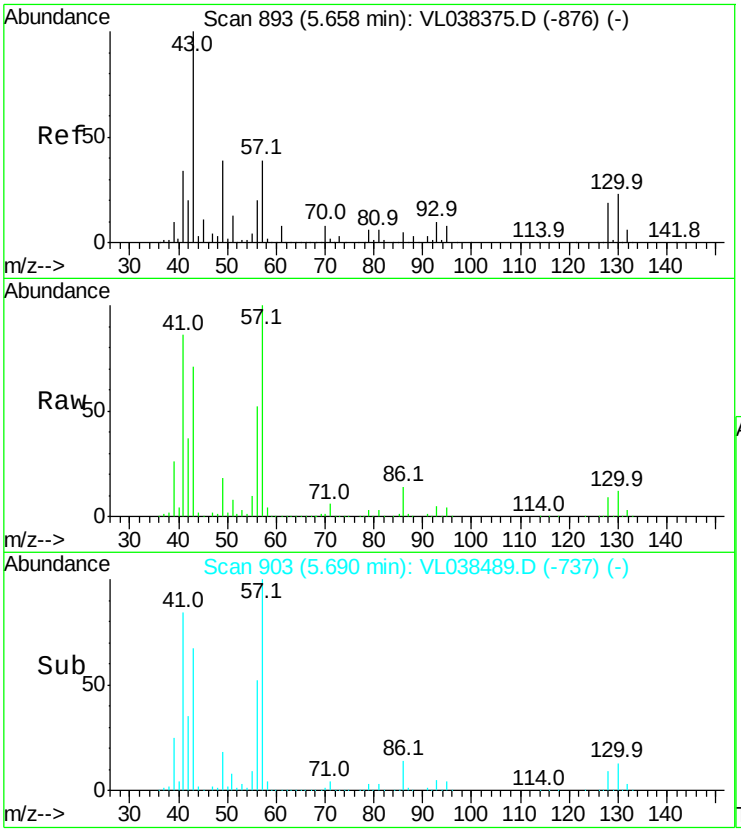


#23
Vinyl Acetate
Concen: 1.17 ppbv
RT: 5.06 min Scan# 707
Delta R.T. 0.00 min
Lab File: VL038489.D
Acq: 2 Mar 2022 19:45

Tgt Ion: 43 Resp: 118019

Ion	Ratio	Lower	Upper
43	100		
86	3.0	5.8	8.6#
42	108.2	7.4	11.0#
44	1.0	4.2	6.2#



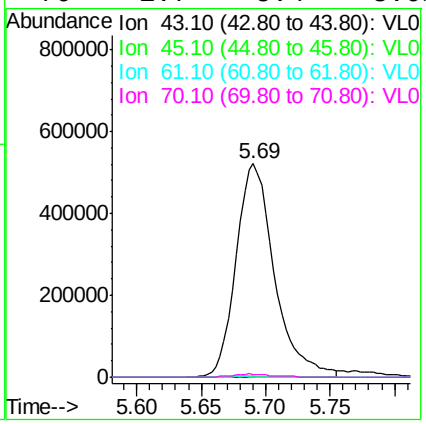


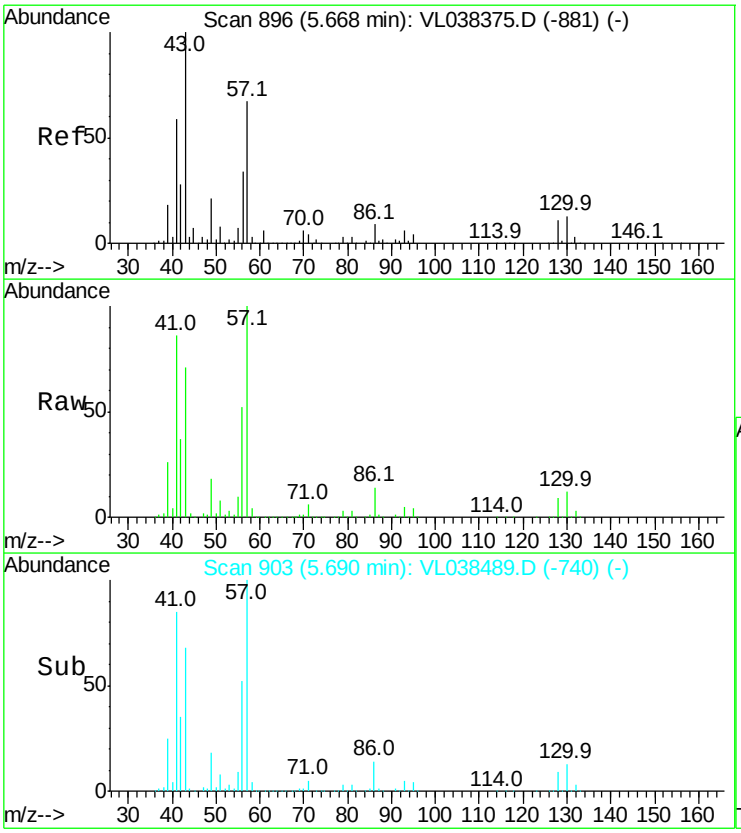
#25
Ethyl Acetate
Concen: 5.30 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 2 Mar 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 43 Resp: 1084020

Ion	Ratio	Lower	Upper
43	100		
45	0.5	7.8	11.6#
61	0.4	7.5	11.3#
70	1.7	5.4	8.0#

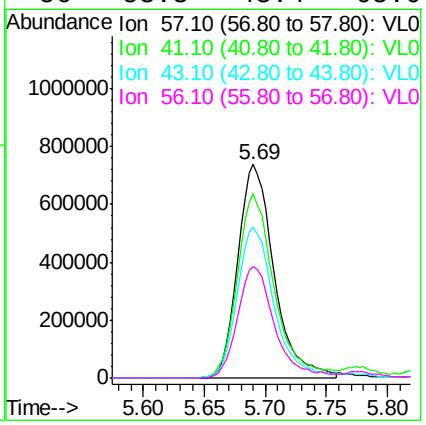


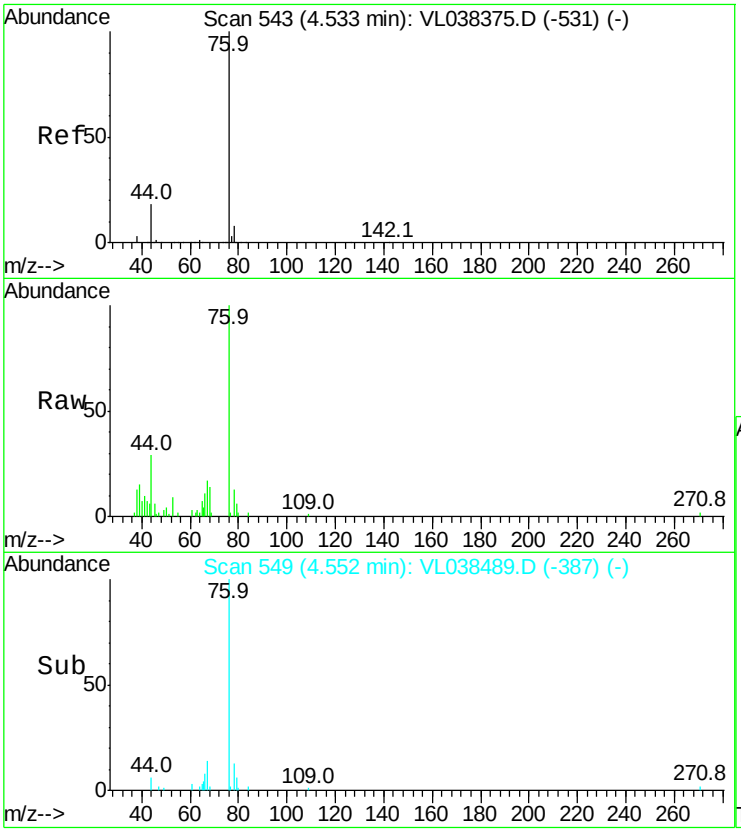


#26
Hexane
Concen: 16.33 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL038489.D
Acq: 2 Mar 2022 19:45

Tgt Ion: 57 Resp: 1512996

Ion	Ratio	Lower	Upper
57	100		
41	87.9	73.1	109.7
43	74.6	181.0	271.4#
56	53.3	43.4	65.0



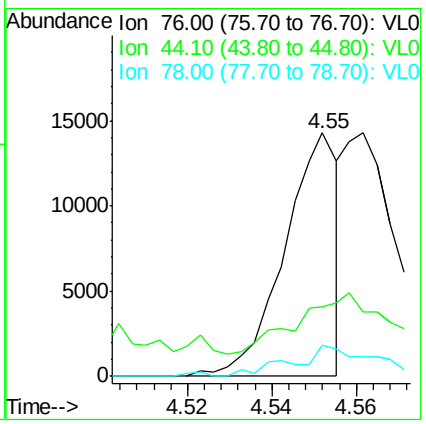


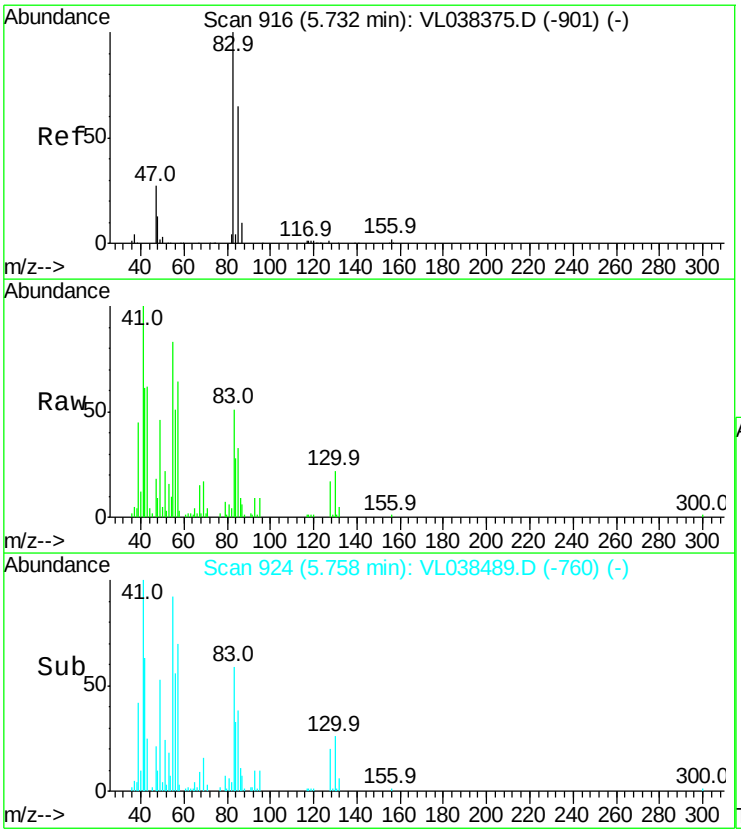
#27
Carbon Disulfide
Concen: 0.12 ppbv
RT: 4.55
Delta R.T
Lab File:
Acq: 2 Mar 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 76 Resp: 12567

Ion	Ratio	Lower	Upper
76	100		
44	0.0	14.2	21.2#
78	25.1	7.8	11.6#

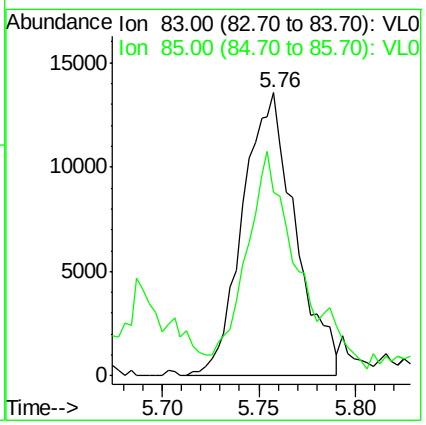


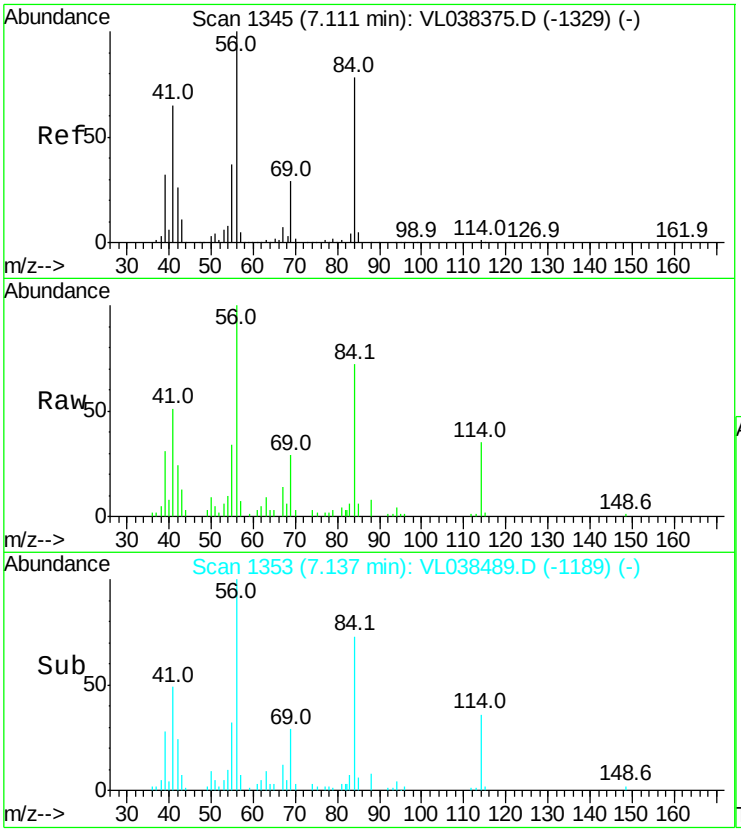


#29
Chloroform
Concen: 0.17 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.03 min
Lab File: VL038489.D
Acq: 2 Mar 2022 19:45

Tgt Ion: 83 Resp: 25716

Ion	Ratio	Lower	Upper
83	100		
85	48.7	51.6	77.4#



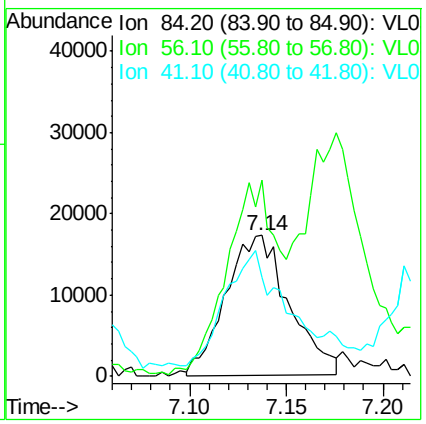


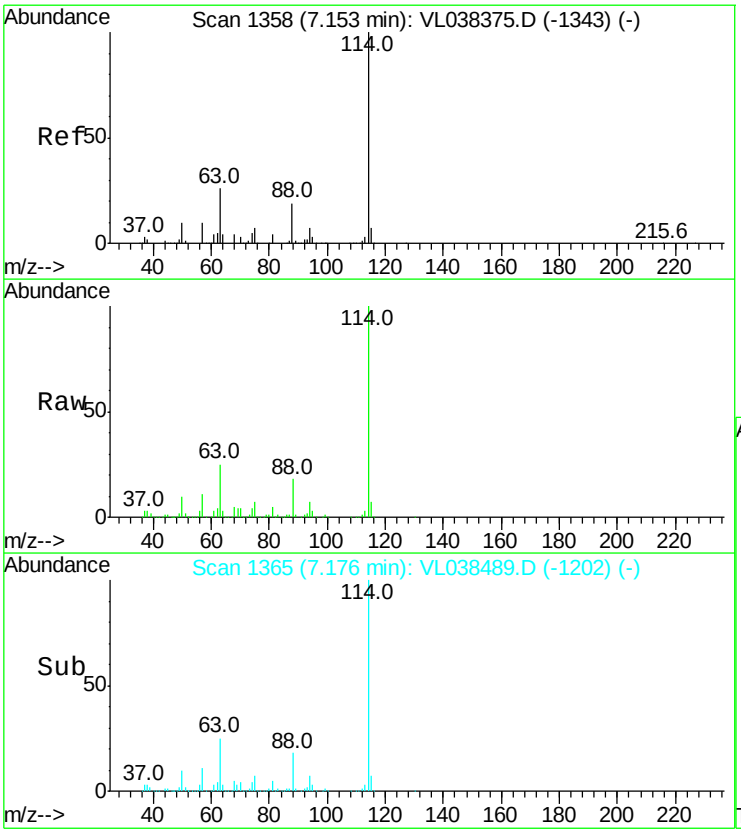
#30
Cyclohexane
Concen: 0.52 ppbv
RT: 7.14
Delta R.T
Lab File:
Acq: 2 Mar 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 84 Resp: 39221

Ion	Ratio	Lower	Upper
84	100		
56	104.4	116.2	174.4#
41	92.4	74.3	111.5

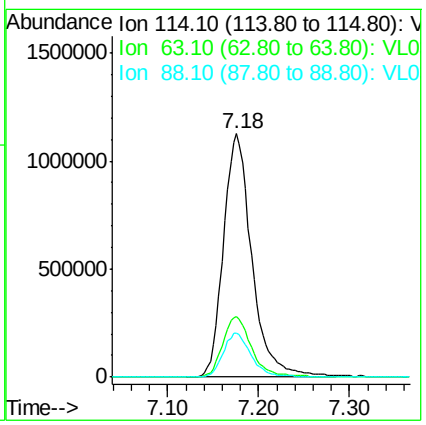


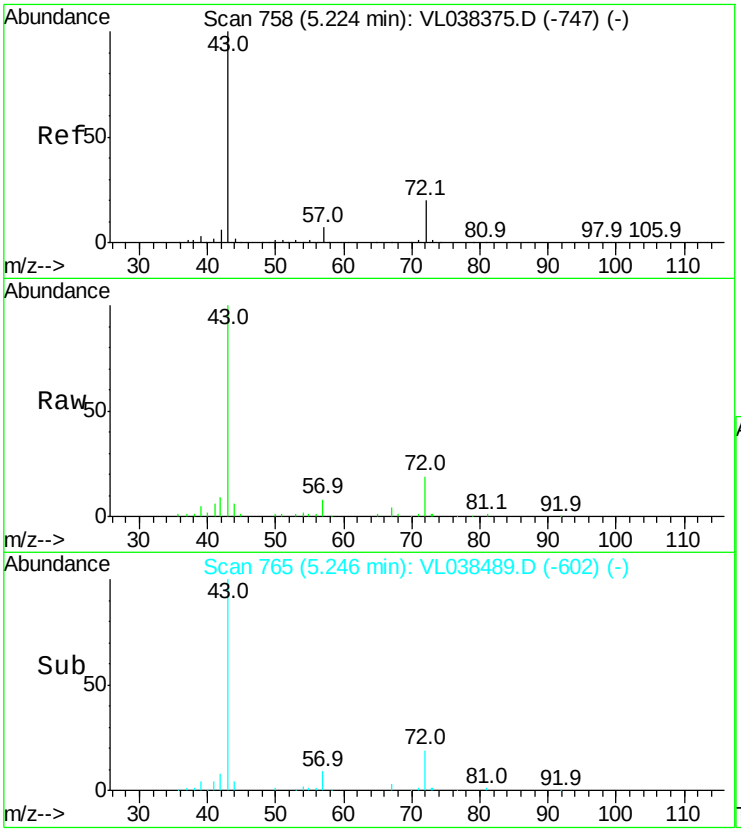


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.02 min
Lab File: VL038489.D
Acq: 2 Mar 2022 19:45

Tgt Ion:114 Resp: 2442192

Ion	Ratio	Lower	Upper
114	100		
63	25.3	22.2	33.2
88	18.2	15.2	22.8



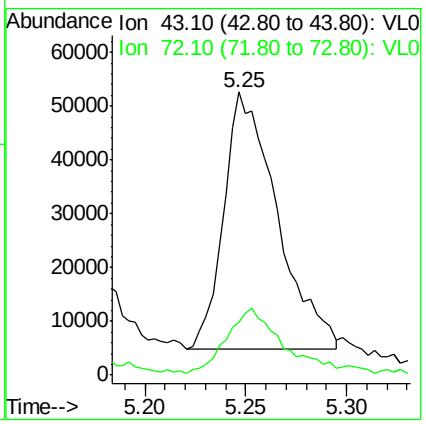


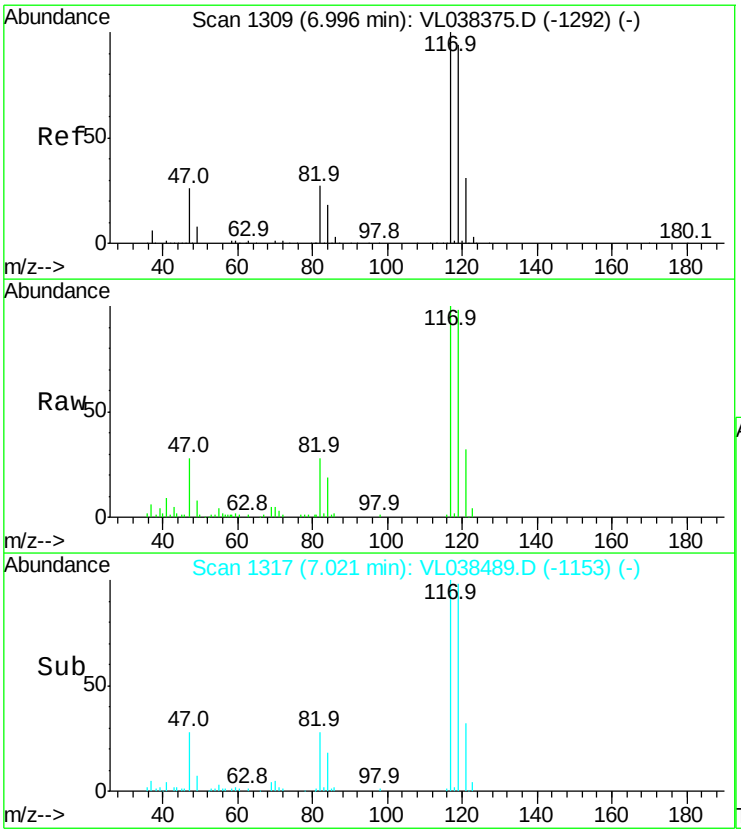
#34
2-Butanone
Concen: 1.15 ppbv
RT: 5.25
Delta R.T
Lab File:
Acq: 2 Mar 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 43 Resp: 88400

Ion	Ratio	Lower	Upper
43	100		
72	30.6	17.4	26.2#

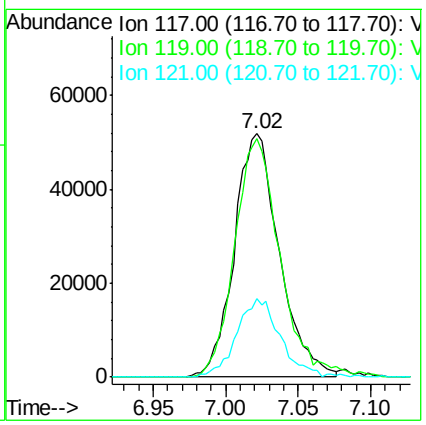


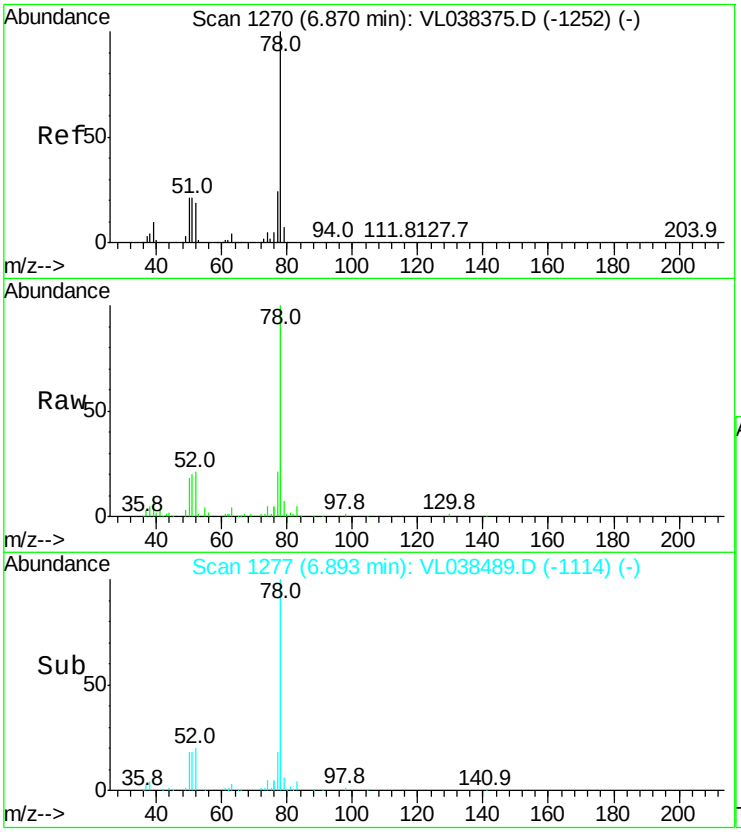


#35
Carbon Tetrachloride
Concen: 0.65 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.03 min
Lab File: VL038489.D
Acq: 2 Mar 2022 19:45

Tgt Ion:117 Resp: 112123

Ion	Ratio	Lower	Upper
117	100		
119	97.9	74.9	112.3
121	32.7	24.8	37.2



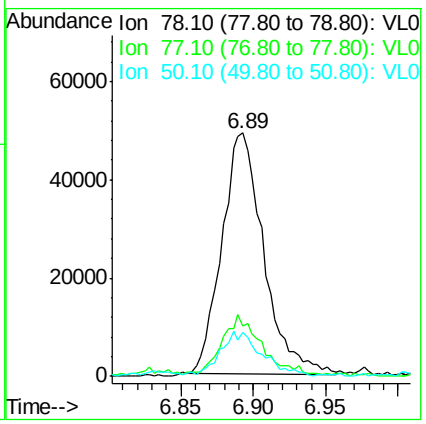


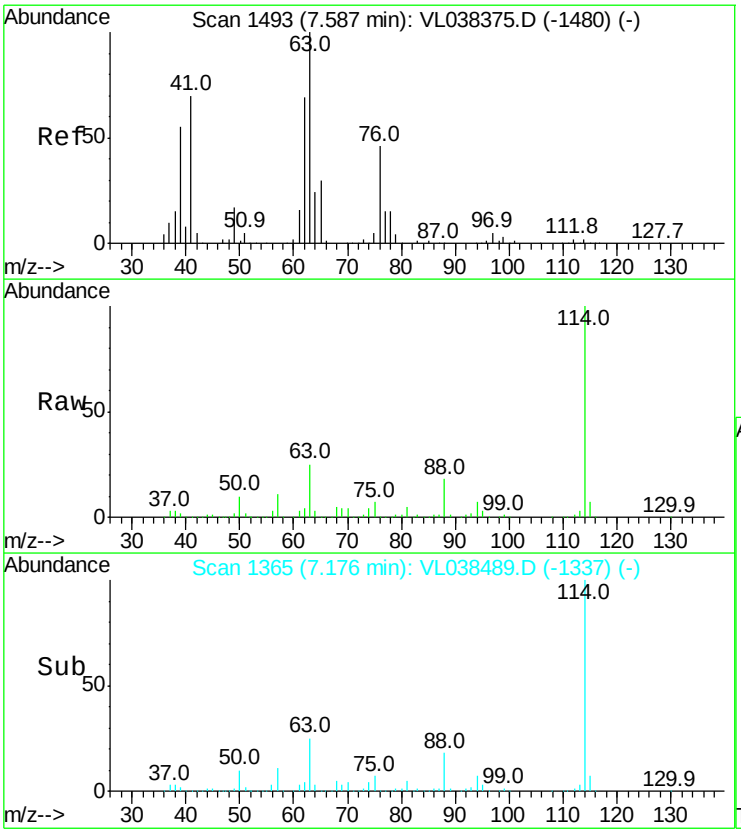
#36
Benzene
Concen: 0.46 ppbv
RT: 6.89
Delta R.T
Lab File:
Acq: 2 Mar 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 78 Resp: 98715

Ion	Ratio	Lower	Upper
78	100		
77	19.4	19.0	28.6
50	17.0	16.6	24.8

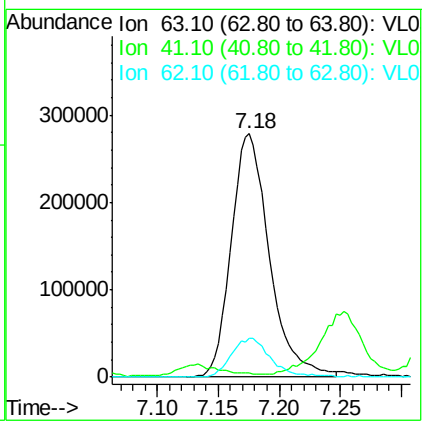


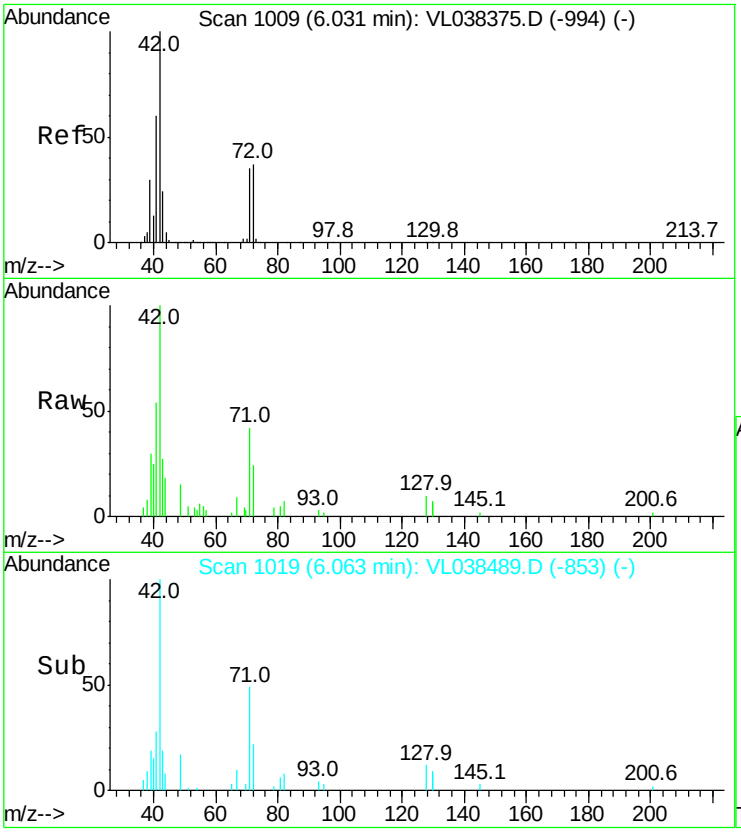


#39
1,2-Dichloropropane
Concen: 7.05 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.41 min
Lab File: VL038489.D
Acq: 2 Mar 2022 19:45

Tgt Ion: 63 Resp: 603679

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.1	84.1#
62	15.8	55.5	83.3#



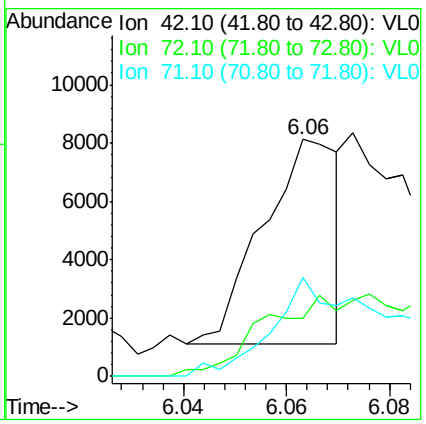


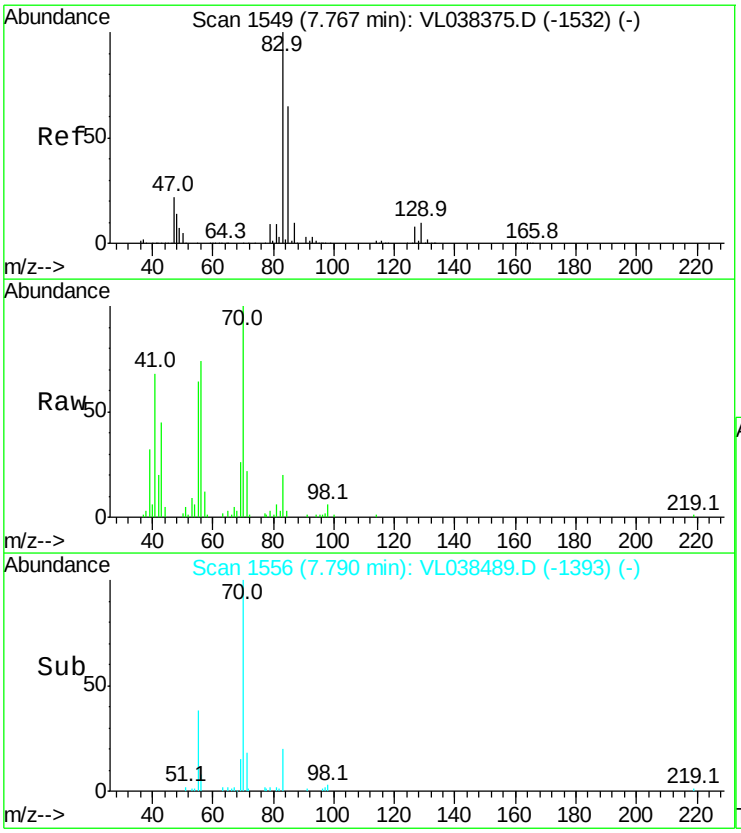
#41
Tetrahydrofuran
Concen: 0.14 ppbv
RT: 6.06
Delta R.T
Lab File:
Acq: 2 Mar 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 42 Resp: 7109

Ion	Ratio	Lower	Upper
42	100		
72	111.4	29.9	44.9#
71	102.2	28.6	42.8#

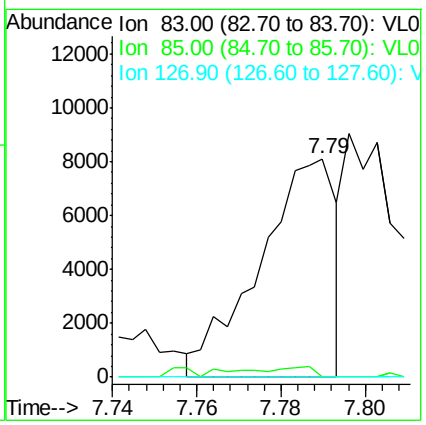


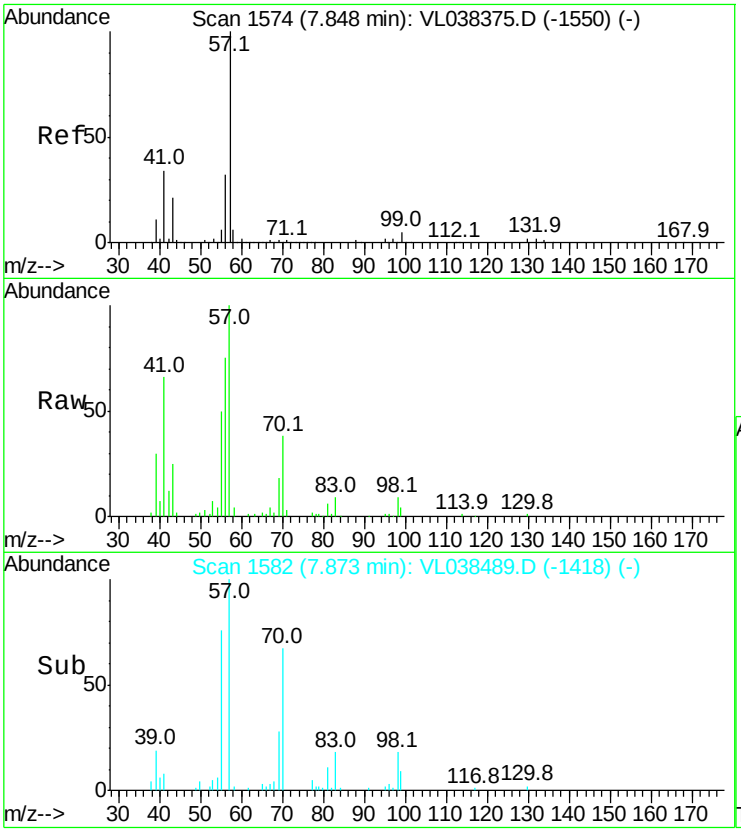


#42
Bromodichloromethane
Concen: 0.06 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. 0.02 min
Lab File: VL038489.D
Acq: 2 Mar 2022 19:45

Tgt Ion: 83 Resp: 10163

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



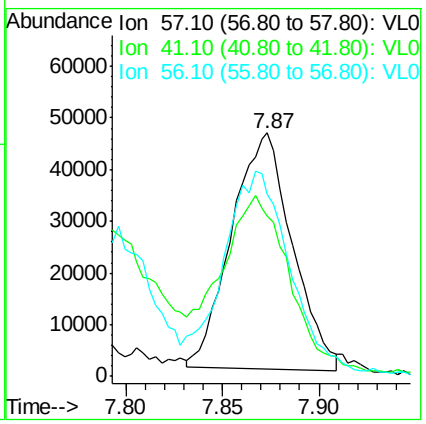


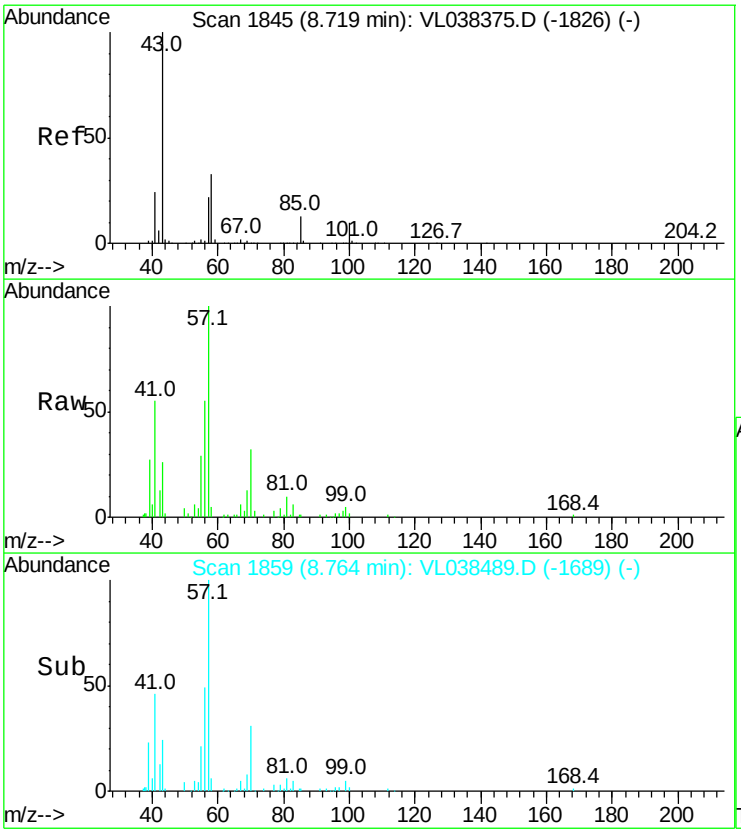
#44
2,2,4-Trimethylpentane
Concen: 0.27 ppbv
RT: 7.87
Delta R.T
Lab File:
Acq: 2 Mar 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 57 Resp: 99796

Ion	Ratio	Lower	Upper
57	100		
41	90.4	26.6	39.8#
56	90.5	25.0	37.6#

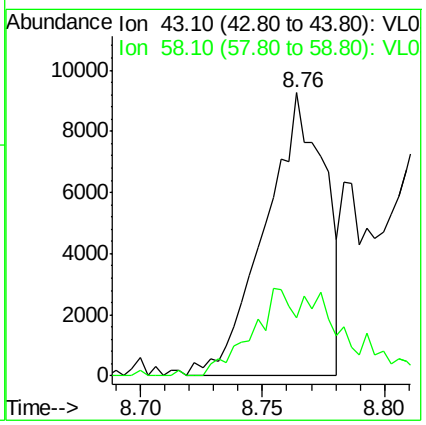


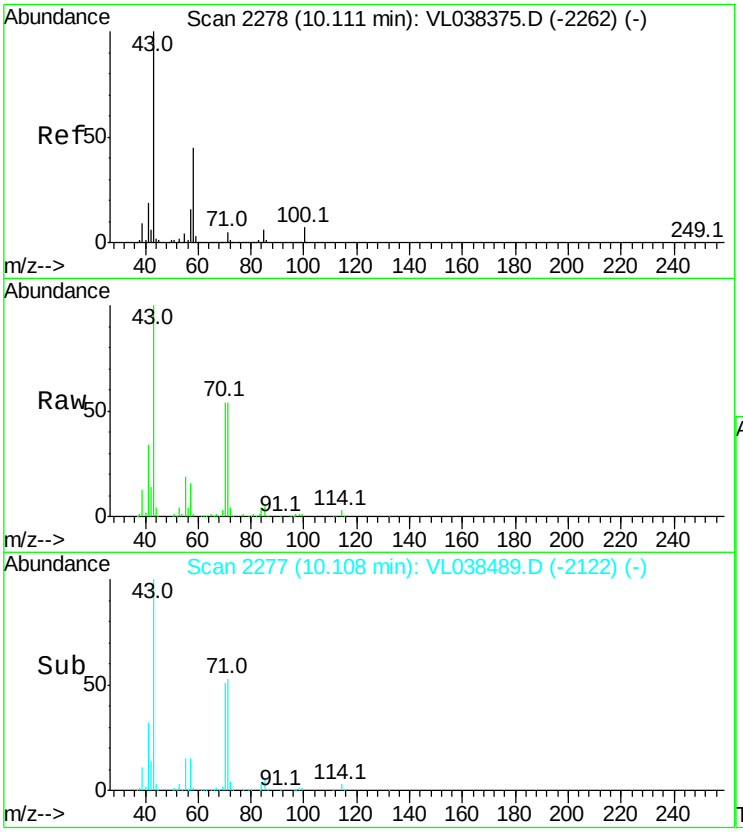


#50
4-Methyl-2-Pentanone
Concen: 0.12 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. 0.05 min
Lab File: VL038489.D
Acq: 2 Mar 2022 19:45

Tgt Ion: 43 Resp: 15818

Ion	Ratio	Lower	Upper
43	100		
58	44.6	27.7	41.5#



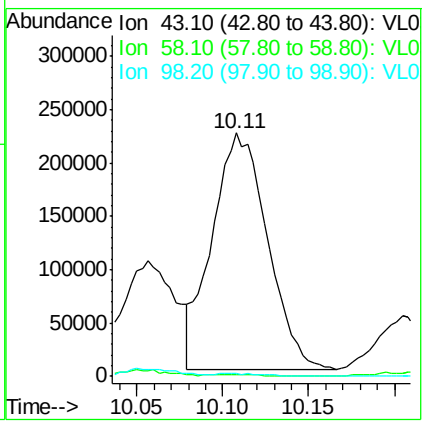


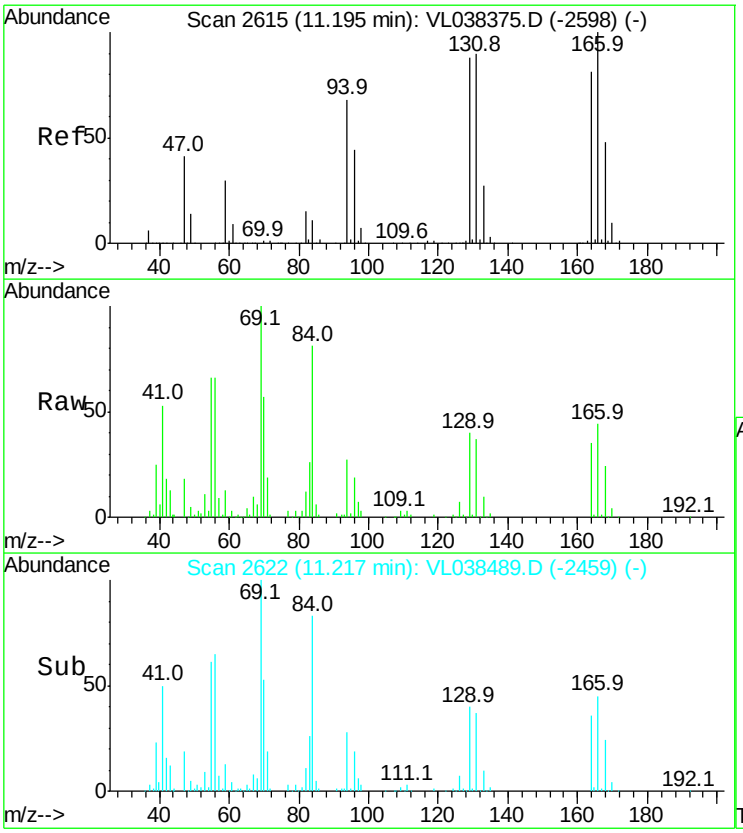
#51
2-Hexanone
Concen: 8.15 ppbv
RT: 10.11
Delta R.T
Lab File:
Acq: 2 Mar 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 43 Resp: 495246

Ion	Ratio	Lower	Upper
43	100		
58	0.7	37.4	56.0#
98	1.0	0.1	0.1#

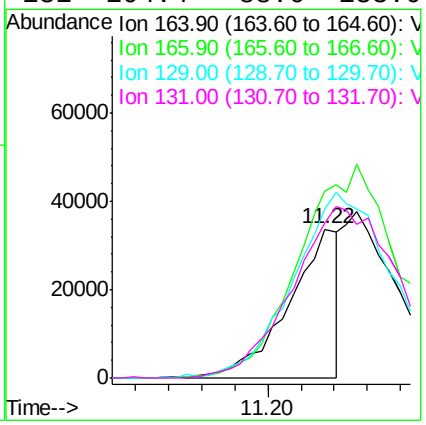


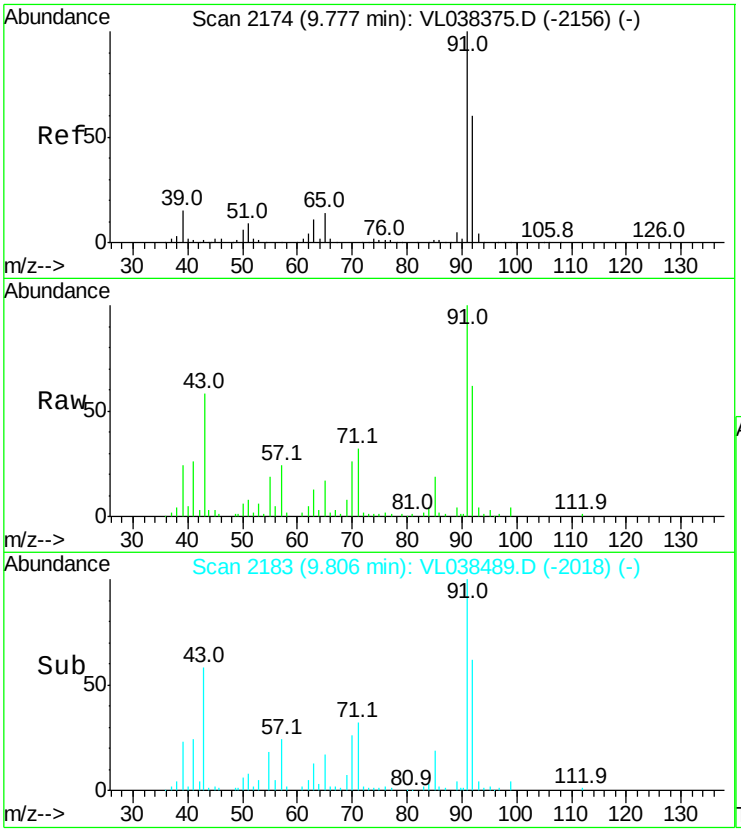


#52
Tetrachloroethene
Concen: 0.49 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. 0.02 min
Lab File: VL038489.D
Acq: 2 Mar 2022 19:45

Tgt Ion:164 Resp: 35115

Ion	Ratio	Lower	Upper
164	100		
166	124.5	98.6	148.0
129	111.3	86.9	130.3
131	104.4	88.6	133.0



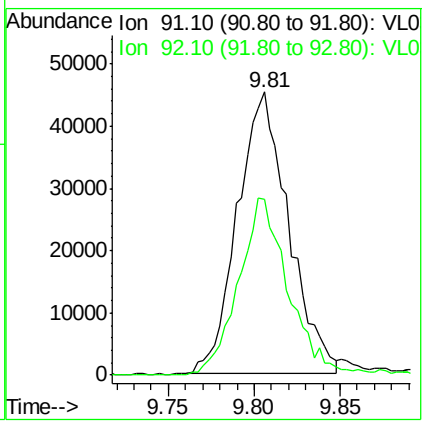


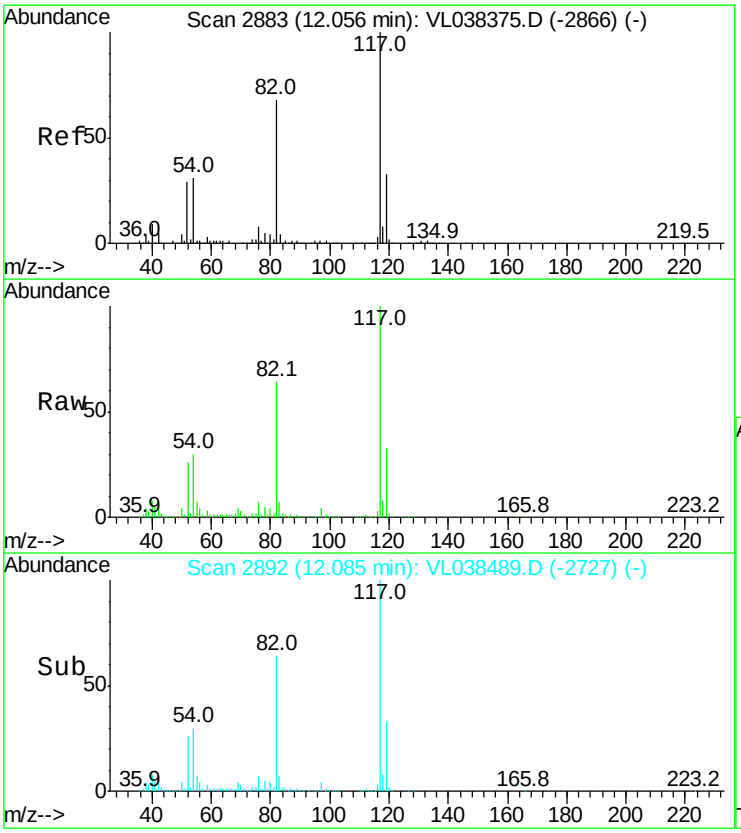
#53
Toluene
Concen: 0.40 ppbv
RT: 9.81
Delta R.T
Lab File:
Acq: 2 Mar 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 91 Resp: 93718

Ion	Ratio	Lower	Upper
91	100		
92	60.7	48.2	72.4

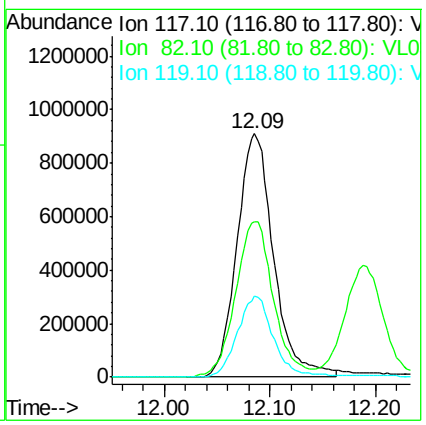


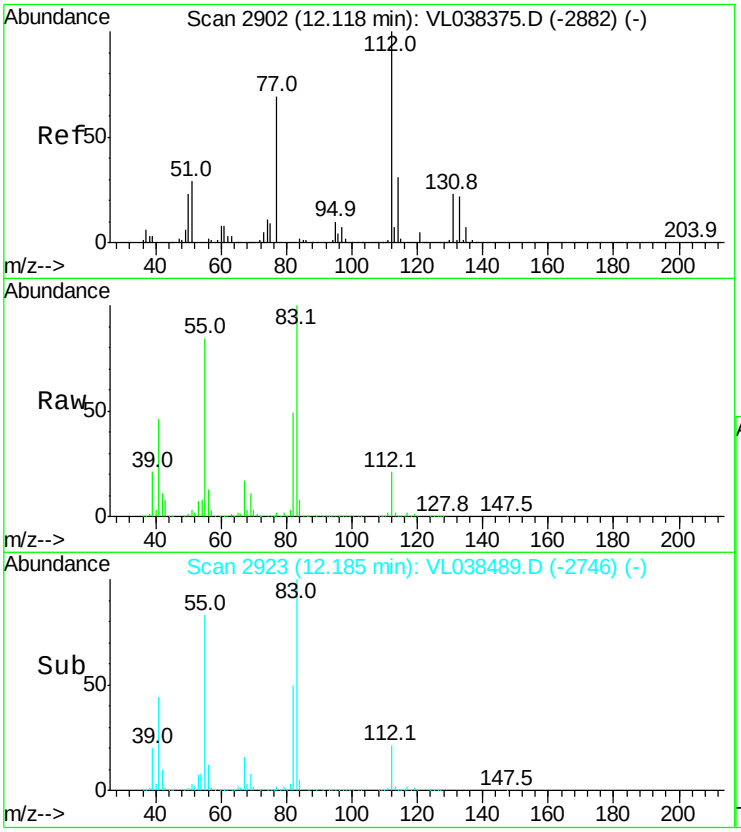


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. 0.03 min
Lab File: VL038489.D
Acq: 2 Mar 2022 19:45

Tgt Ion:117 Resp: 2196410

Ion	Ratio	Lower	Upper
117	100		
82	66.0	54.9	82.3
119	33.7	46.1	69.1#



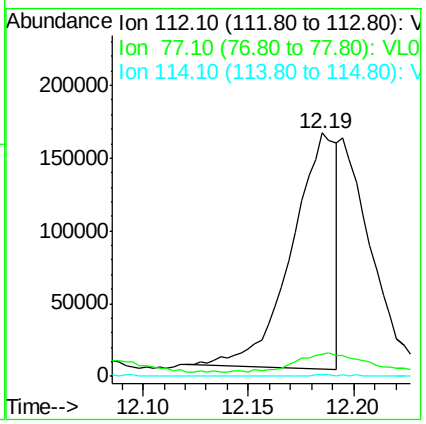


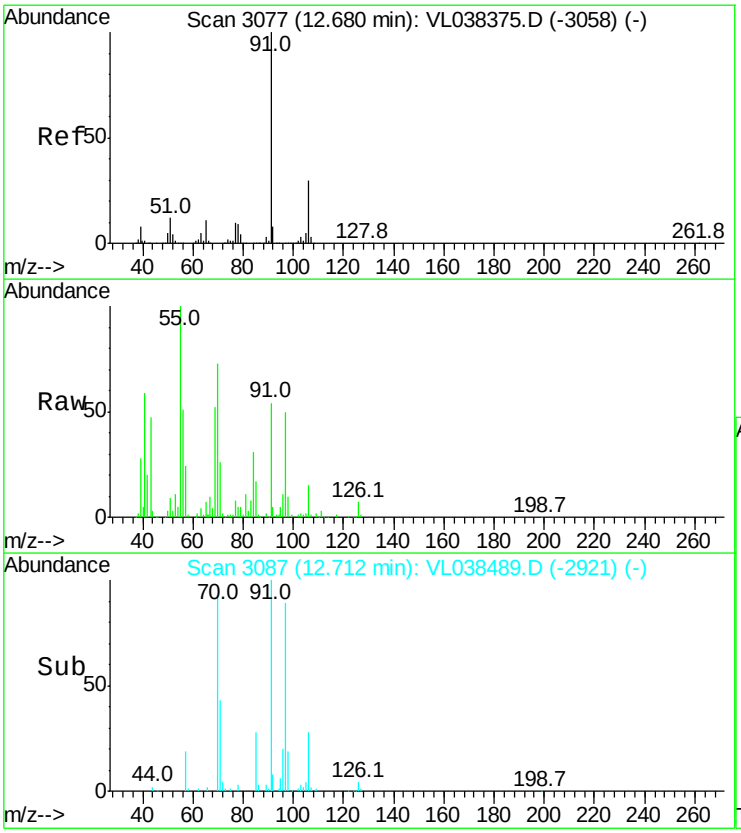
#57
Chlorobenzene
Concen: 1.41 ppbv
RT: 12.19
Delta R.T
Lab File:
Acq: 2 Mar 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion:112 Resp: 238715

Ion	Ratio	Lower	Upper
112	100		
77	7.8	55.2	82.8#
114	0.7	27.9	34.1#

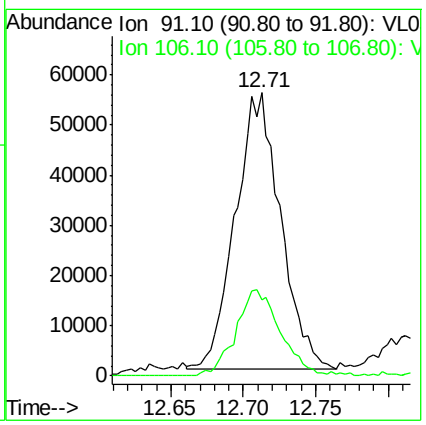


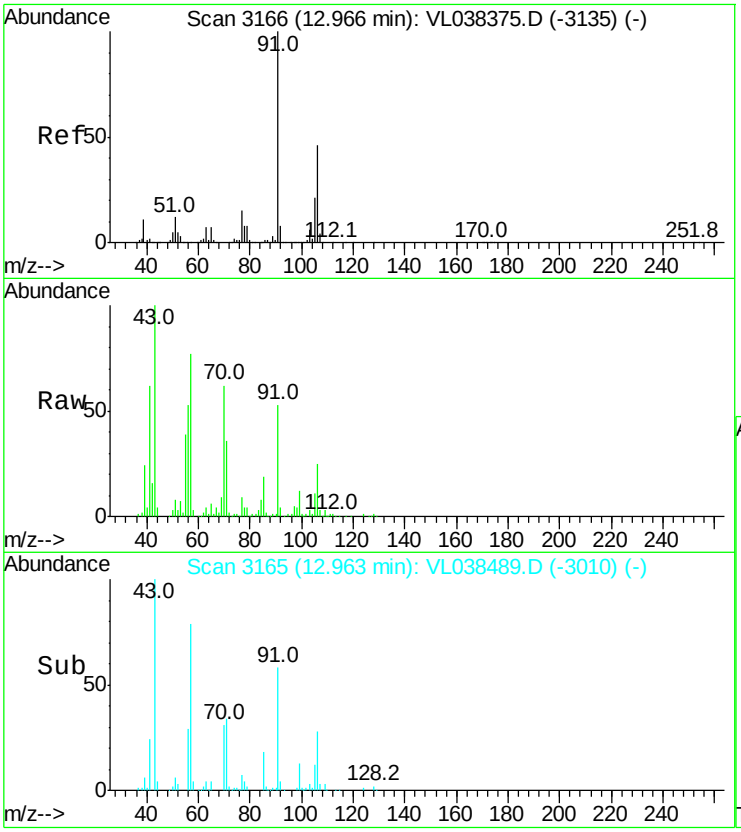


#58
Ethyl Benzene
Concen: 0.40 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. 0.03 min
Lab File: VL038489.D
Acq: 2 Mar 2022 19:45

Tgt Ion: 91 Resp: 118741

Ion	Ratio	Lower	Upper
91	100		
106	27.6	24.0	36.0



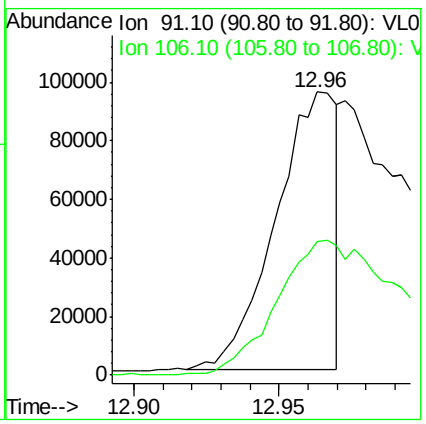


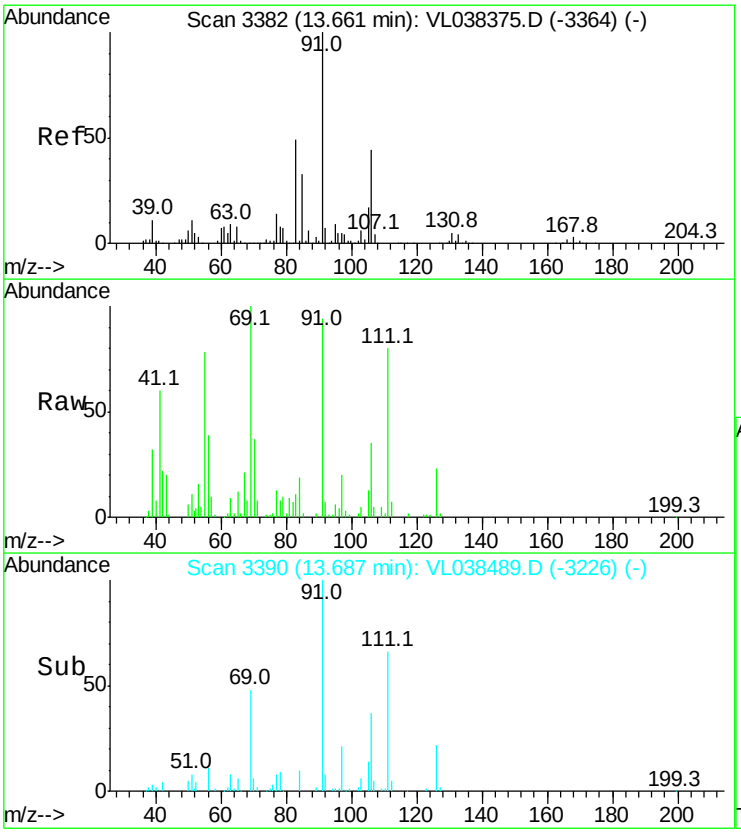
#59
m/p-Xylene
Concen: 0.54 ppbv
RT: 12.96
Delta R.T
Lab File:
Acq: 2 Mar 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 91 Resp: 139089

Ion	Ratio	Lower	Upper
91	100		
106	112.8	34.4	51.6#

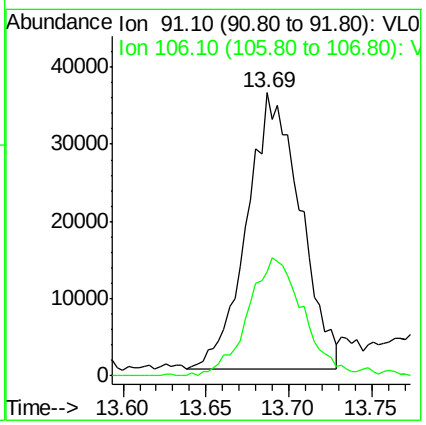


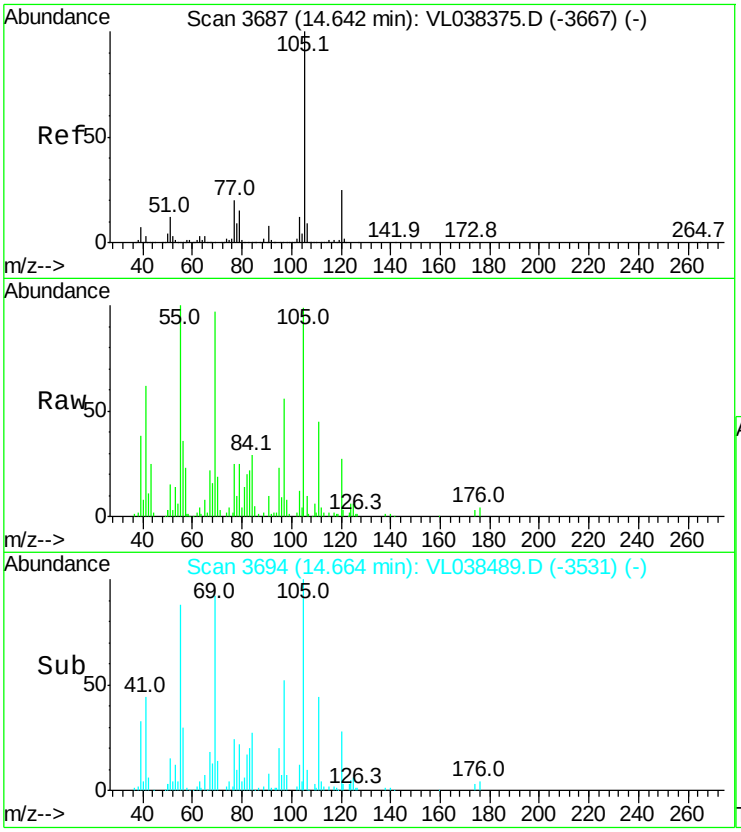


#60
o-Xylene
Concen: 0.33 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.03 min
Lab File: VL038489.D
Acq: 2 Mar 2022 19:45

Tgt Ion: 91 Resp: 79870

Ion	Ratio	Lower	Upper
91	100		
106	45.7	21.9	65.5



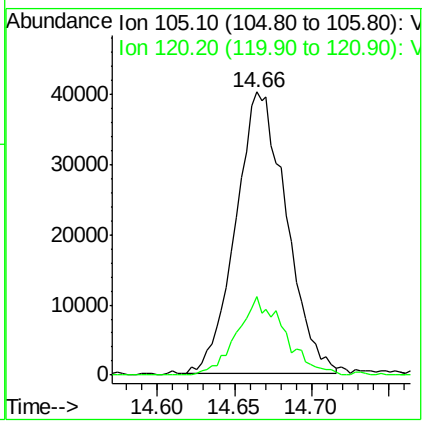


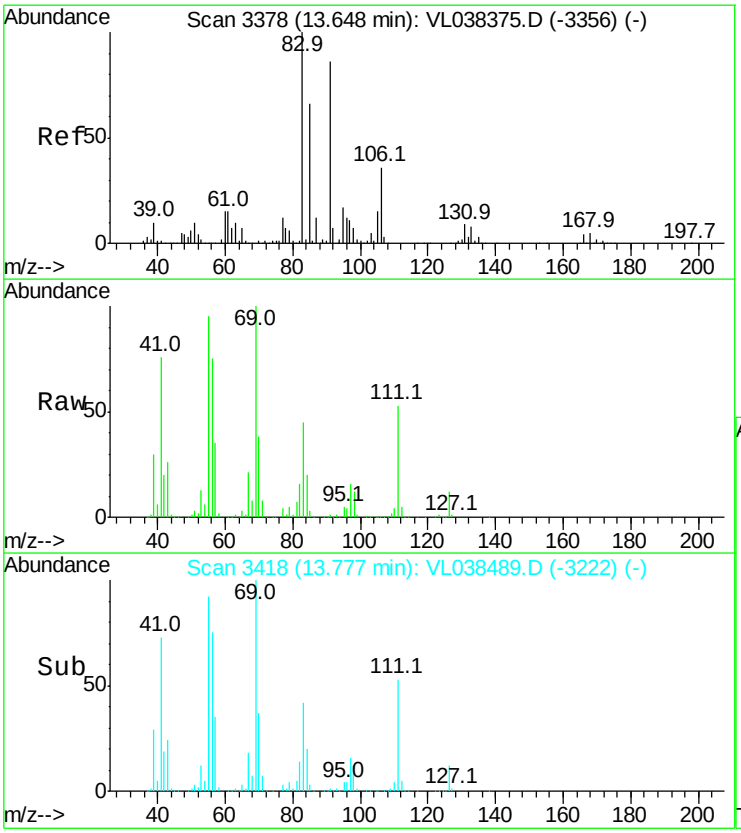
#62
Isopropylbenzene
Concen: 0.28 ppbv
RT: 14.66
Delta R.T
Lab File:
Acq: 2 Mar 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion:105 Resp: 91507

Ion	Ratio	Lower	Upper
105	100		
120	26.4	20.6	30.8

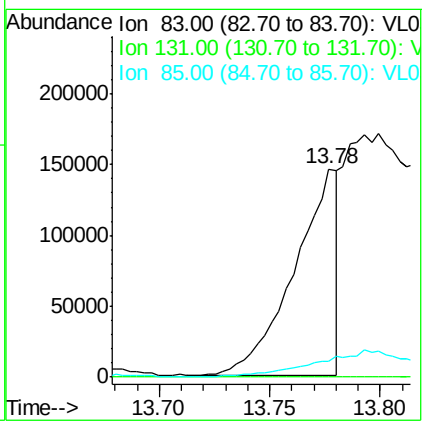


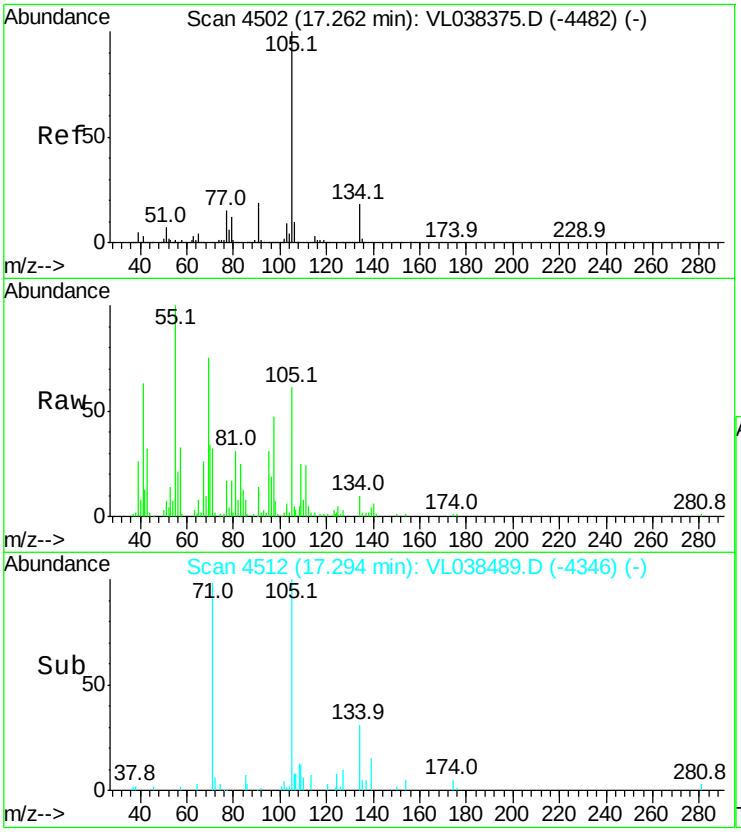


#63
1,1,2,2-Tetrachloroethane
Concen: 1.01 ppbv
RT: 13.78 min Scan# 3418
Delta R.T. 0.13 min
Lab File: VL038489.D
Acq: 2 Mar 2022 19:45

Tgt Ion: 83 Resp: 199847

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.5	13.7#
85	3.0	33.0	99.0#



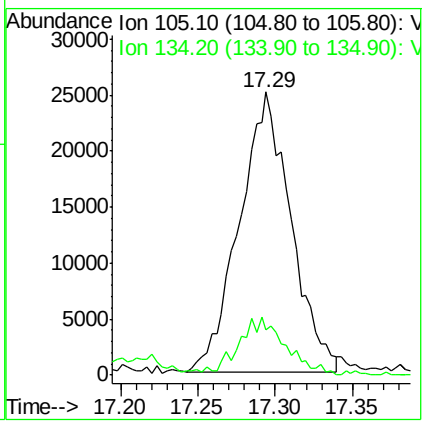


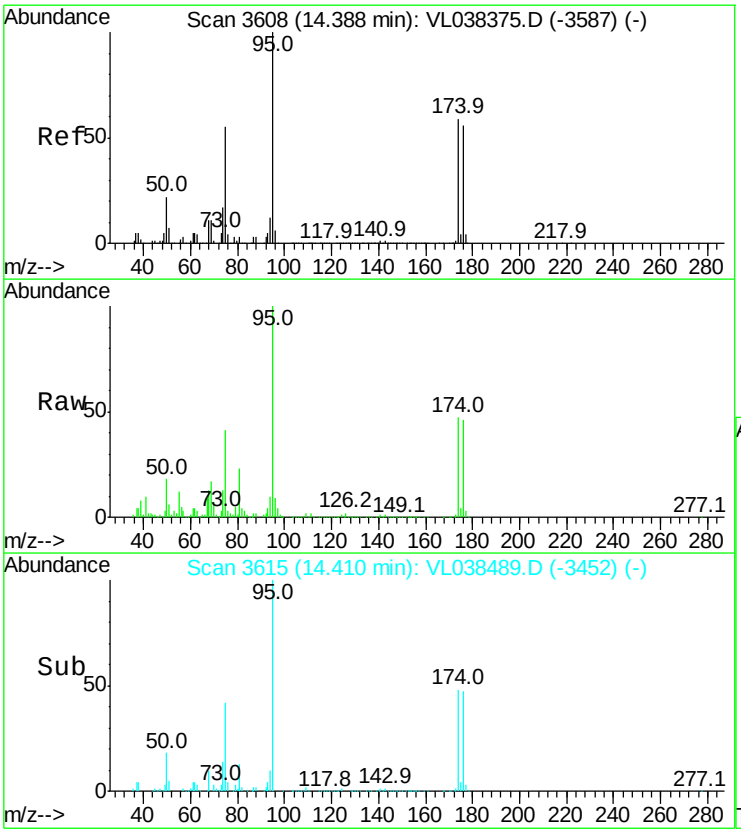
#67
sec-Butylbenzene
Concen: 0.14 ppbv
RT: 17.29
Delta R.T
Lab File:
Acq: 2 Mar 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion:105 Resp: 57939

Ion	Ratio	Lower	Upper
105	100		
134	18.9	14.6	21.8

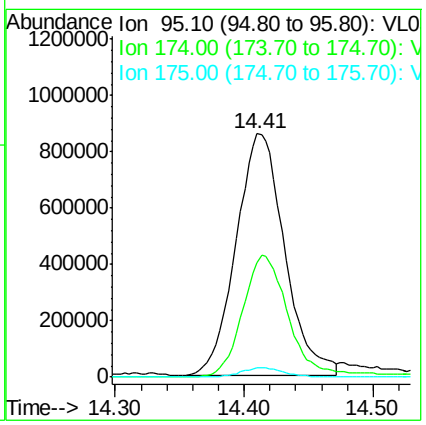


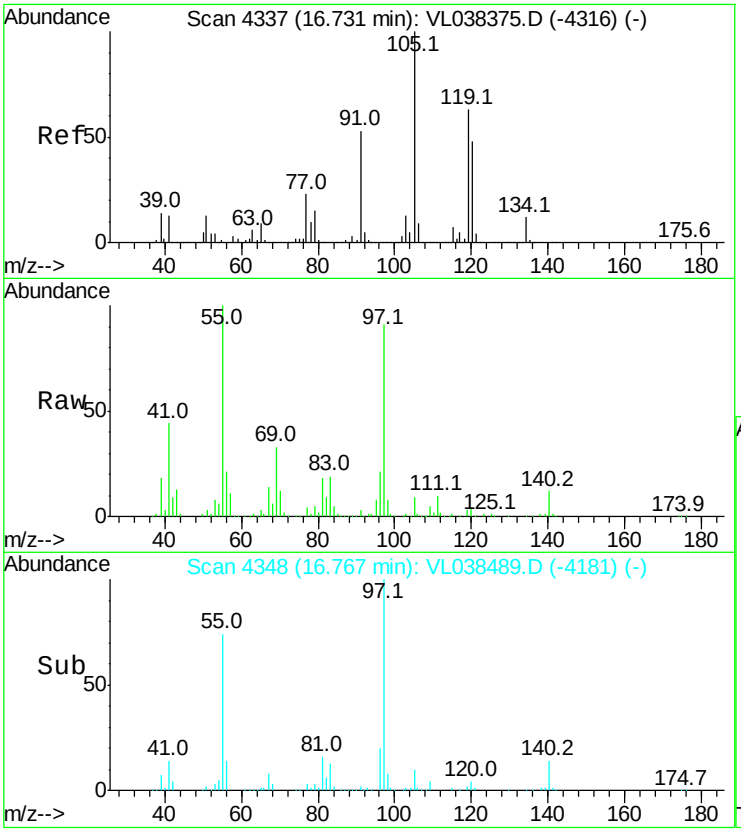


#68
1-Bromo-4-Fluorobenzene
Concen: 12.36 ppbv
RT: 14.41 min Scan# 3615
Delta R.T. 0.02 min
Lab File: VL038489.D
Acq: 2 Mar 2022 19:45

Tgt Ion: 95 Resp: 2246999

Ion	Ratio	Lower	Upper
95	100		
174	50.2	49.0	73.4
175	3.6	3.6	5.4





#74
1,2,4-Trimethylbenzene
Concen: 0.07 ppbv
RT: 16.77
Delta R.T
Lab File:
Acq: 2 Mar 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion:105 Resp: 18837

Ion	Ratio	Lower	Upper
105	100		
120	34.5	38.2	57.4#
91	16.5	42.7	64.1#
77	15.3	18.5	27.7#