Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL060822\
Data File : VL039235.D
Acq On : 8 Jun 2022 15:00
Operator : SY/AP
Sample : N3199-01 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV1

Quant Time: Jun 09 06:39:02 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.68	49	1165251	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	2645210	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	2365883	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	2138195	10.93	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 109.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	62199	0.304	ppbv		94
3) Chlorodifluoromethane	3.00	51	44531	0.300	ppbv	#	91
4) Chloromethane	3.15	50	4727	0.062	ppbv	#	30
9) Propene	3.02	41	21569	0.334	ppbv		87
10) Heptane	8.13	43	8798	0.058	ppbv	#	73
11) Trichlorofluoromethane	3.96	101	28570	0.154	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.50	101	4608	0.038	ppbv	#	78
13) Ethanol	3.61	45	3762	1.067	ppbv	#	100
15) Acetone	3.86	43	313733	2.585	ppbv	#	83
16) 1,3-Butadiene	3.34	39	5095	0.078	ppbv	#	8
19) Isopropyl Alcohol	3.97	45	5895	0.104	ppbv	#	93
20) Methylene Chloride	4.35	84	214699	4.197	ppbv		99
23) Vinyl Acetate	5.08	43	107705	1.072	ppbv		99
25) Ethyl Acetate	5.70	43	103995	0.380	ppbv	#	79
26) Hexane	5.69	57	80269	0.668	ppbv	#	23
27) Carbon Disulfide	4.56	76	27945	0.224	ppbv	#	62
29) Chloroform	5.76	83	164921	0.815	ppbv		97
34) 2-Butanone	5.26	43	296420	2.063	ppbv		99
36) Benzene	6.89	78	7719	0.036	ppbv	#	84
39) 1,2-Dichloropropane	7.18	63	767228	8.982	ppbv	#	26
51) 2-Hexanone	10.14	43	153151	0.915	ppbv	#	94
52) Tetrachloroethene	11.23	164	280484	3.345	ppbv		90
53) Toluene	9.81	91	20177	0.082	ppbv		91
60) o-Xylene	13.70	91	19843	0.074	ppbv		97
73) 1,3,5-Trimethylbenzene	16.00	105	15738	0.055	ppbv	#	57
74) 1,2,4-Trimethylbenzene	16.76	105	78973	0.248	ppbv	#	69
79) Naphthalene	22.20	128	32183	0.131	ppbv	#	94
80) Naphthalene,2-methyl-	25.29	142	4178	0.046	ppbv		97

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

Quantitation Report (Not Reviewed)

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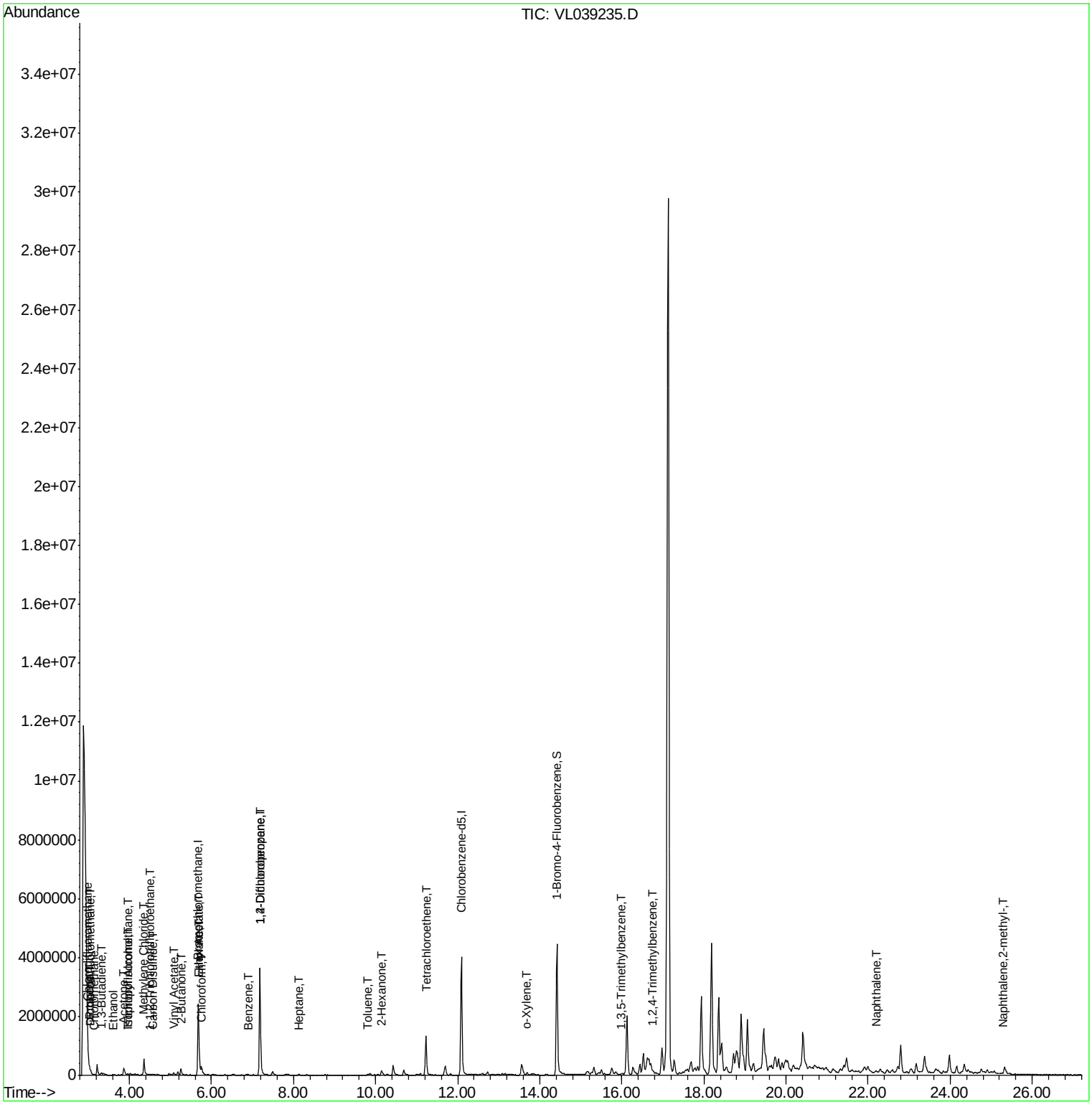
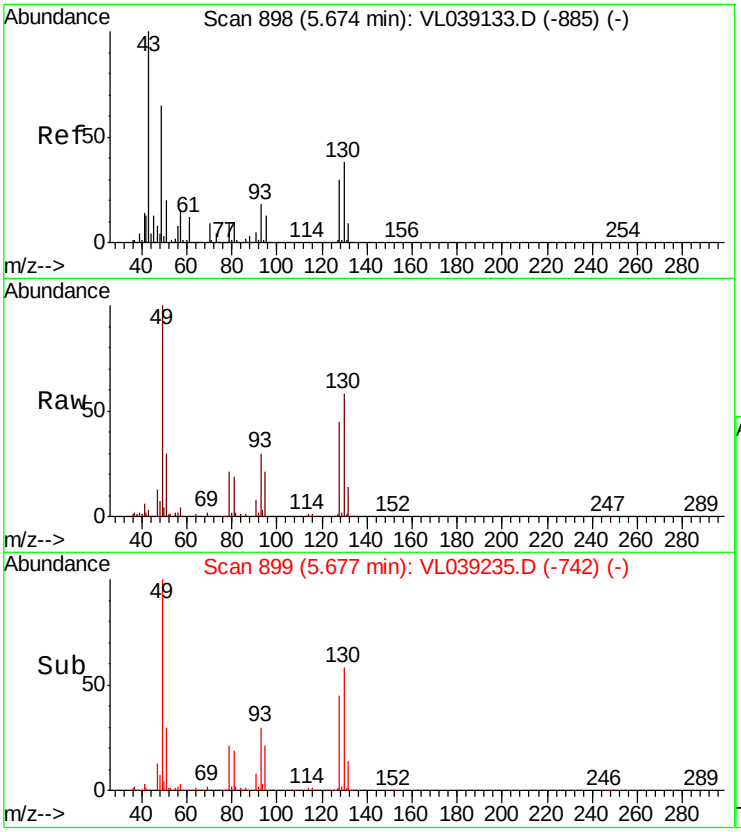
Acq On : 8 Jun 2022 15:00
Operator : SY/AP
Sample : N3199-01 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Jun 09 06:39:02 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration



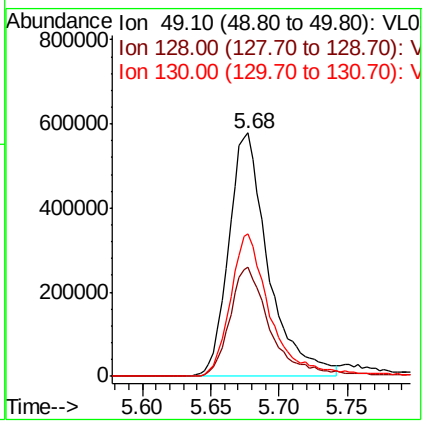


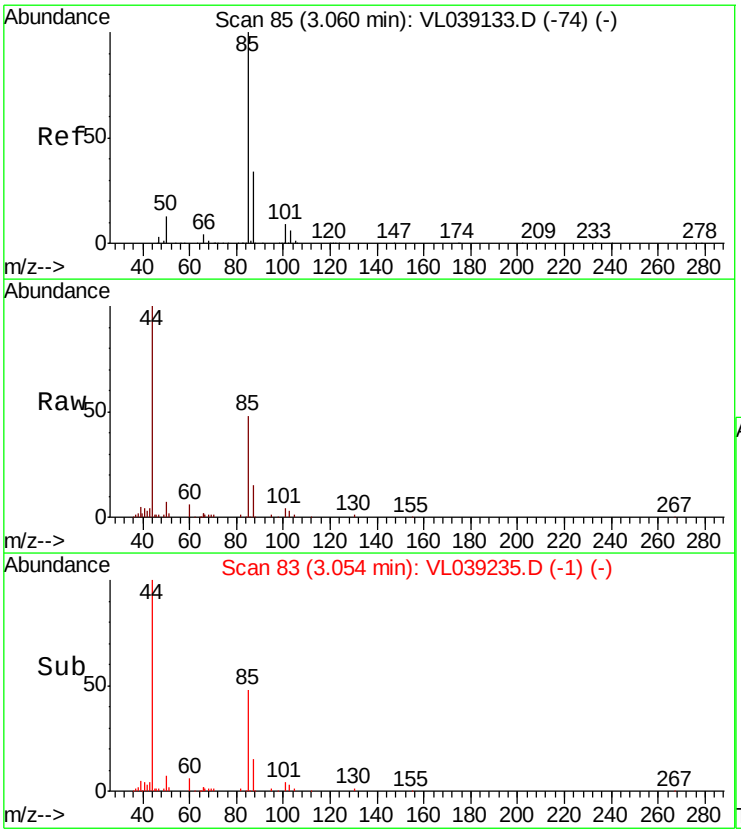
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 8 Jun 2022 15:00

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 1165251

Ion	Ratio	Lower	Upper
49	100		
128	47.3	24.7	74.1
130	60.8	31.4	94.0

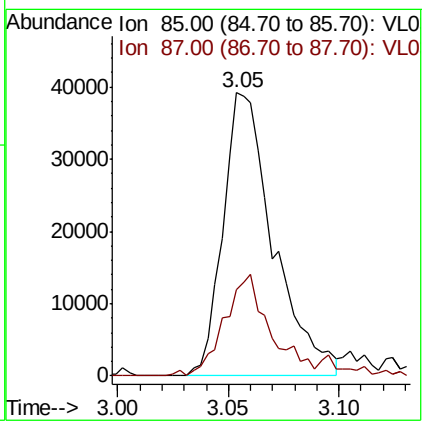


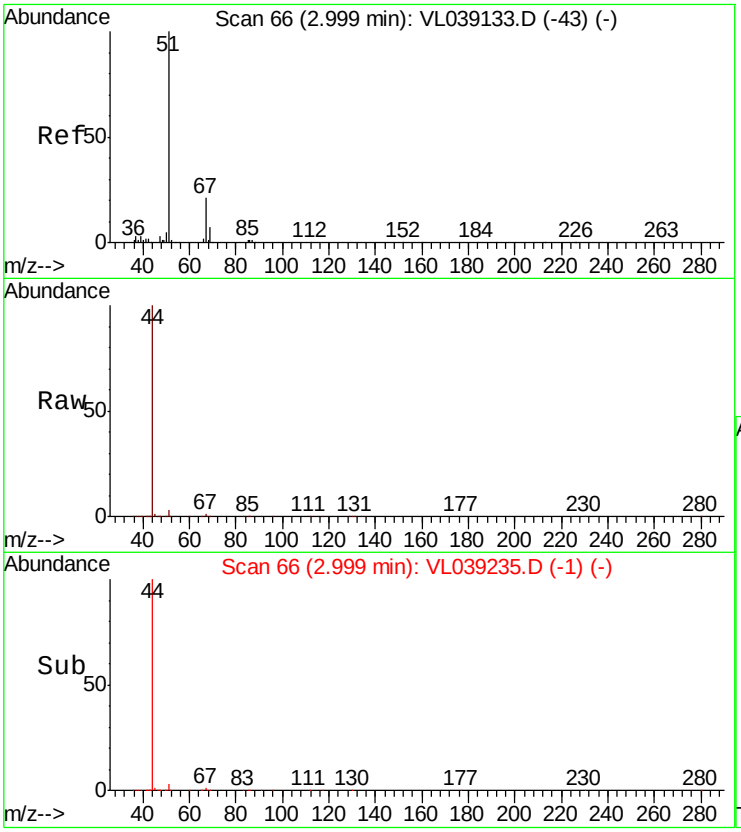


#2
Dichlorodifluoromethane
Concen: 0.304 ppbv
RT: 3.05 min Scan# 83
Delta R.T. -0.01 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

Tgt Ion: 85 Resp: 62199

Ion	Ratio	Lower	Upper
85	100		
87	30.4	26.9	40.3



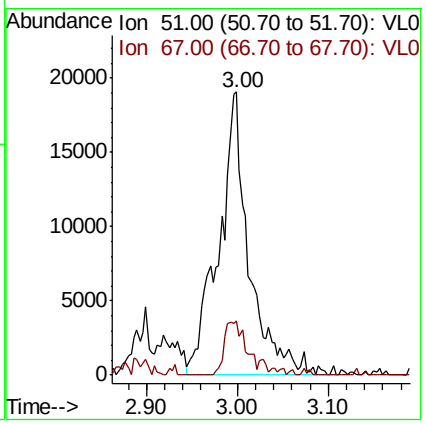


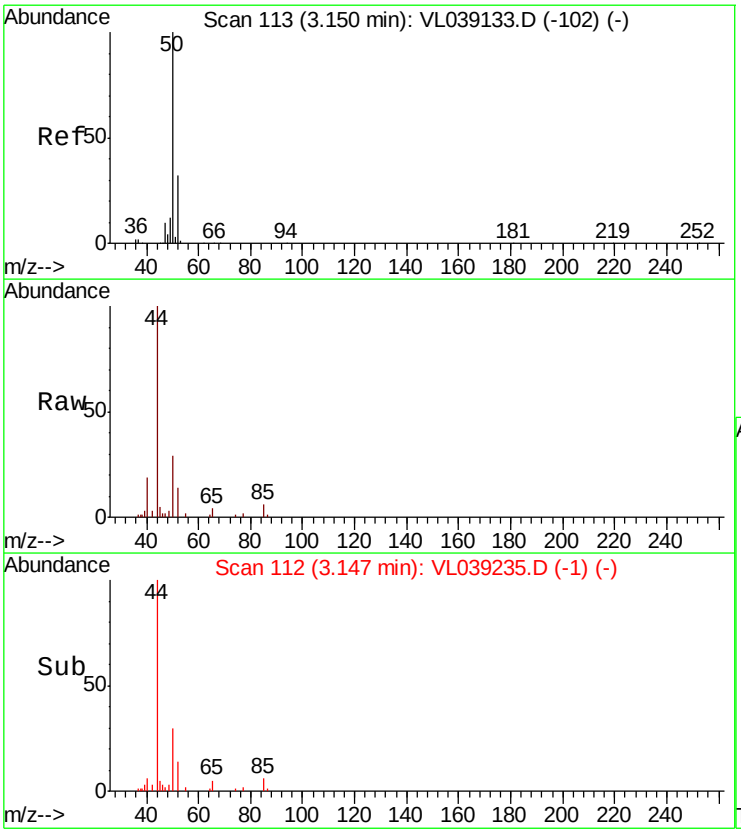
#3
Chlorodifluoromethane
Concen: 0.300 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 8 Jun 2022 15:00

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 51 Resp: 44531

Ion	Ratio	Lower	Upper
51	100		
67	16.1	16.2	24.4#

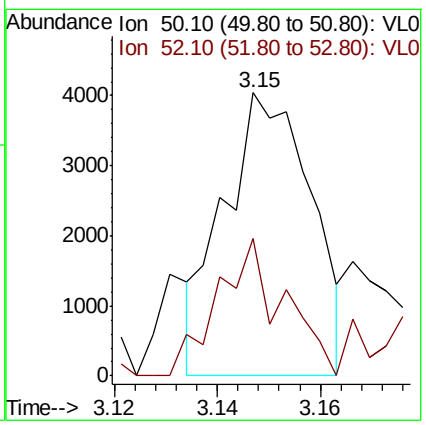


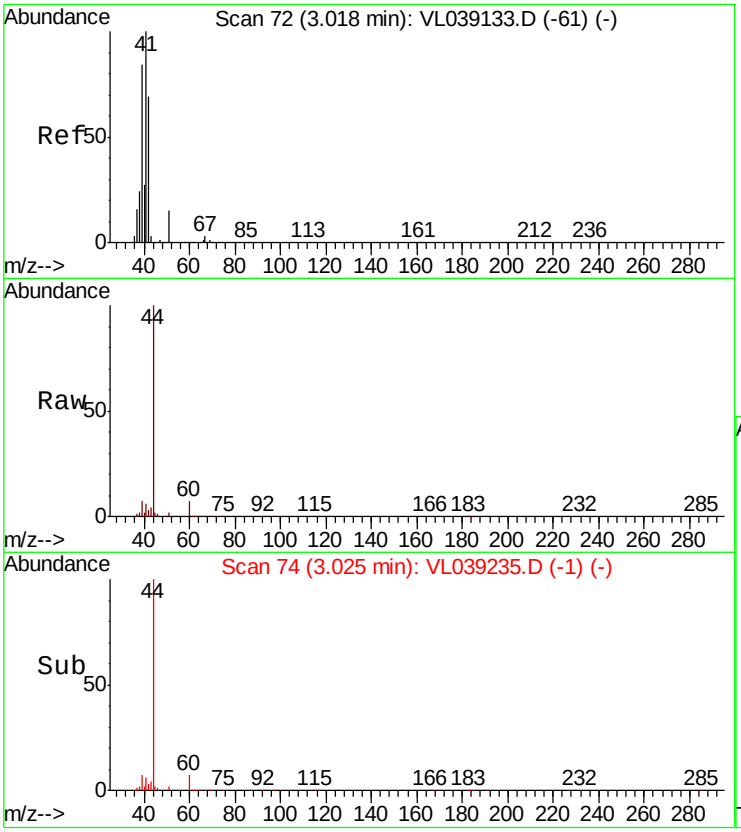


#4
Chloromethane
Concen: 0.062 ppbv
RT: 3.15 min Scan# 112
Delta R.T. -0.00 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

Tgt Ion: 50 Resp: 4727

Ion	Ratio	Lower	Upper
50	100		
52	71.5	25.9	38.9#



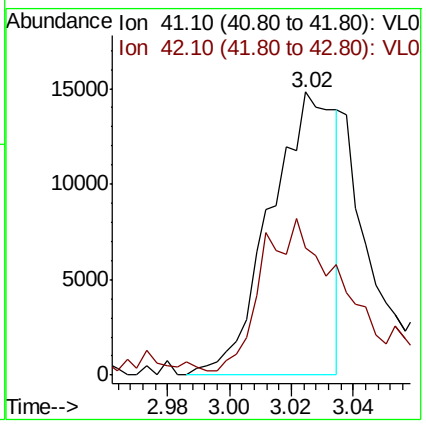


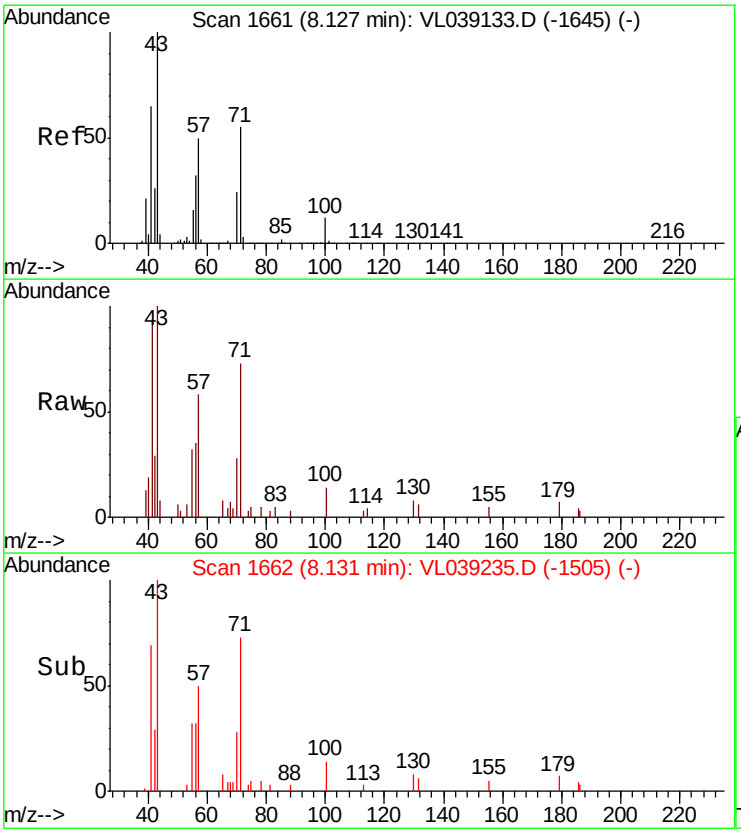
#9
Propene
Concen: 0.334 ppbv
RT: 3.02
Delta R.T
Lab File:
Acq: 8 Jun 2022 15:00

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 41 Resp: 21569

Ion	Ratio	Lower	Upper
41	100		
42	79.8	55.4	83.2

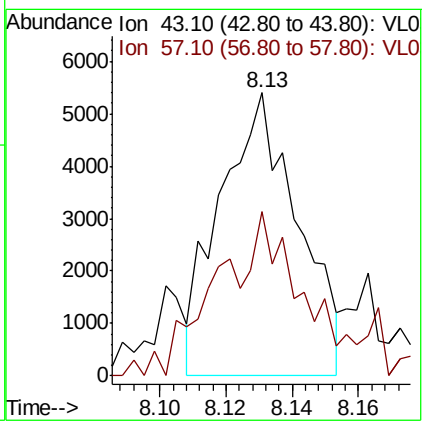


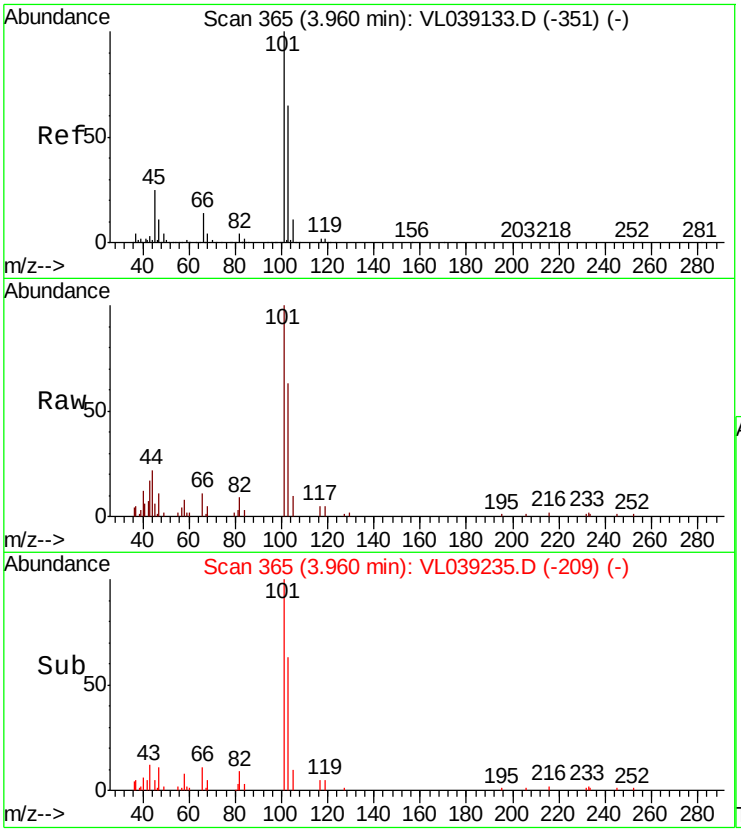


#10
Heptane
Concen: 0.058 ppbv
RT: 8.13 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

Tgt Ion: 43 Resp: 8798

Ion	Ratio	Lower	Upper
43	100		
57	70.9	41.4	62.2#



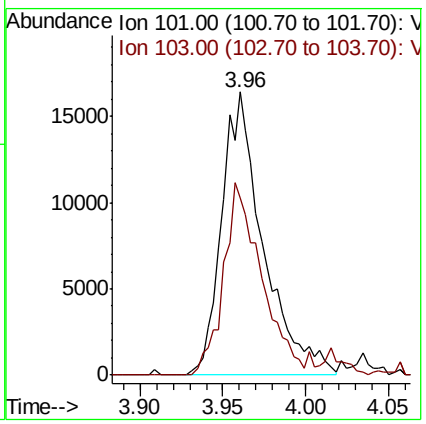


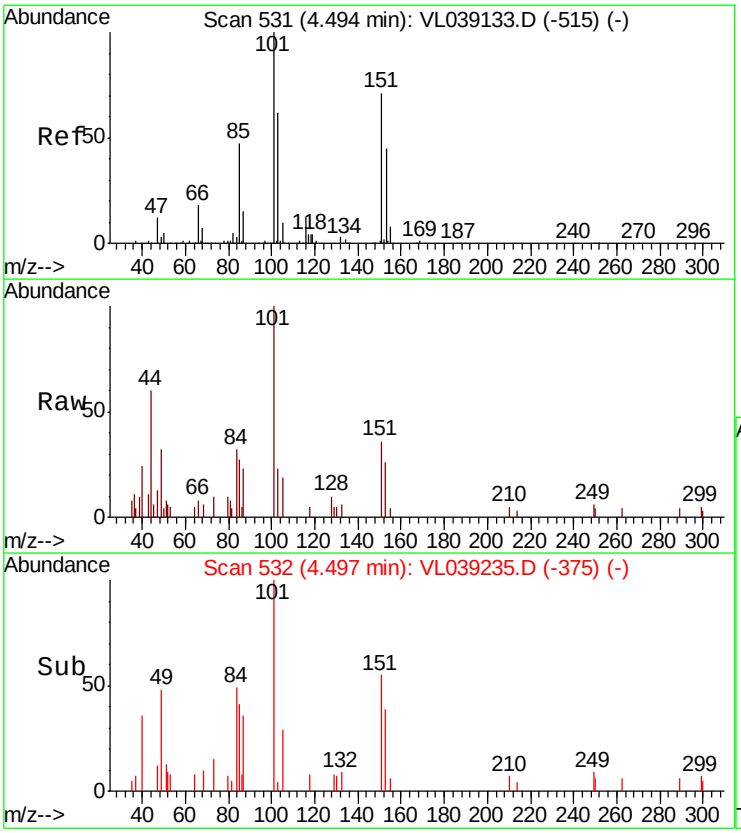
#11
Trichlorofluoromethane
Concen: 0.154 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 8 Jun 2022 15:00

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:101 Resp: 28570

Ion	Ratio	Lower	Upper
101	100		
103	62.5	51.7	77.5

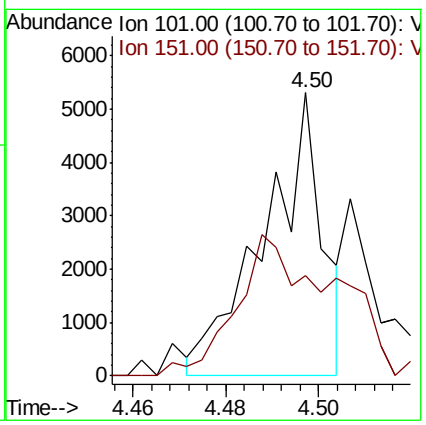


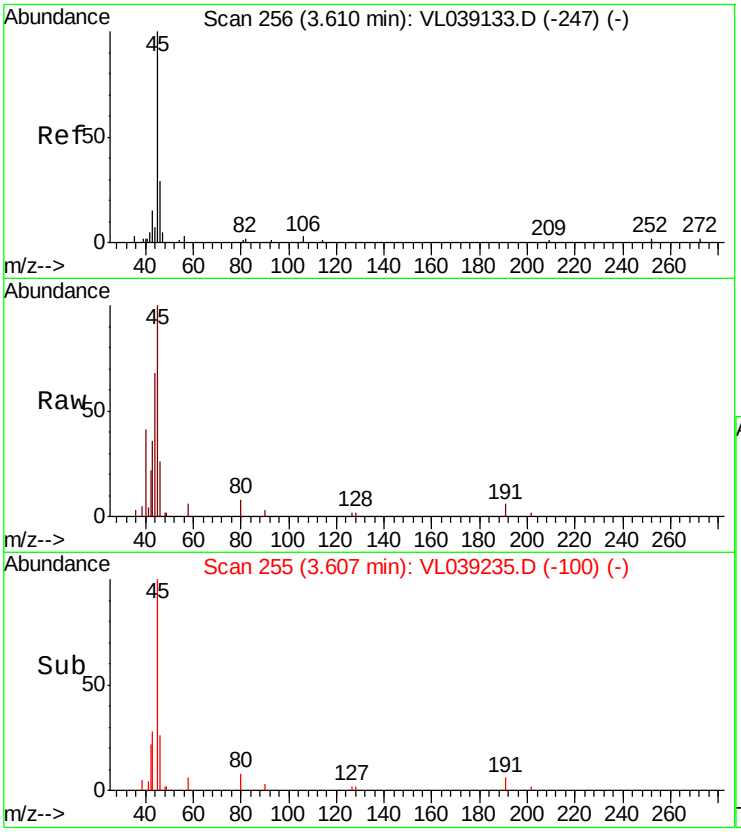


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.038 ppbv
RT: 4.50 min Scan# 532
Delta R.T. 0.00 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

Tgt Ion:101 Resp: 4608

Ion	Ratio	Lower	Upper
101	100		
151	92.7	59.4	89.0#



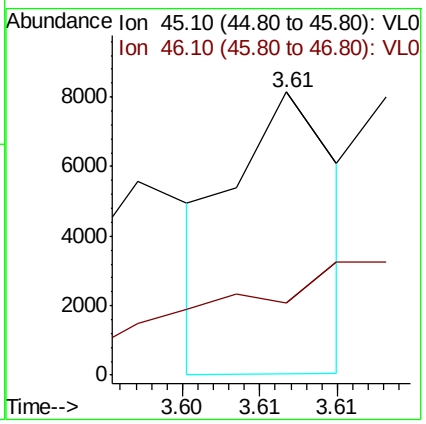


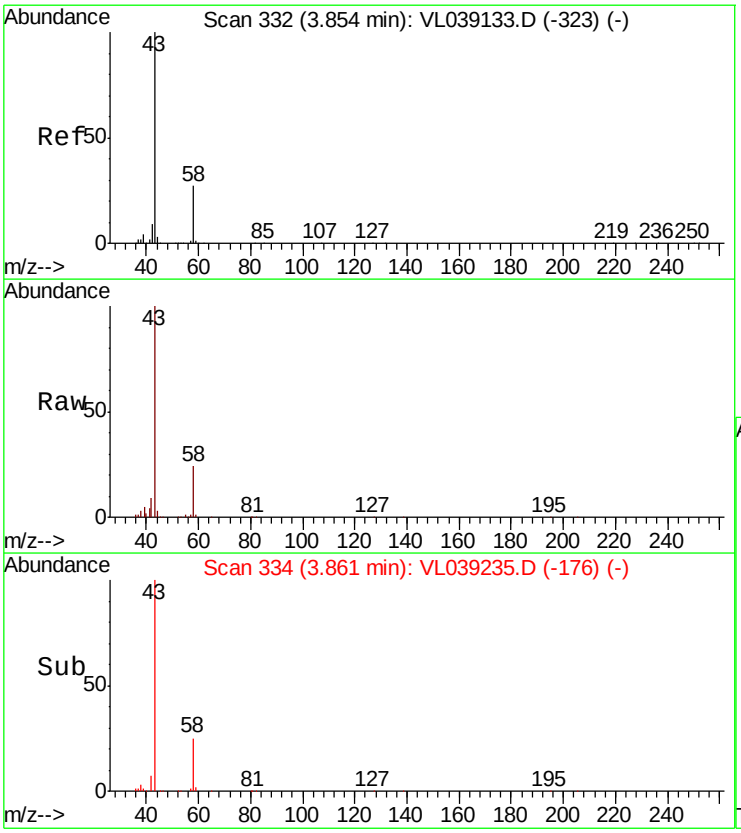
#13
Ethanol
Concen: 1.067 ppbv
RT: 3.61
Delta R.T
Lab File:
Acq: 8 Jun 2022 15:00

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 45 Resp: 3762

Ion	Ratio	Lower	Upper
45	100		
46	0.0	0.0	0.0

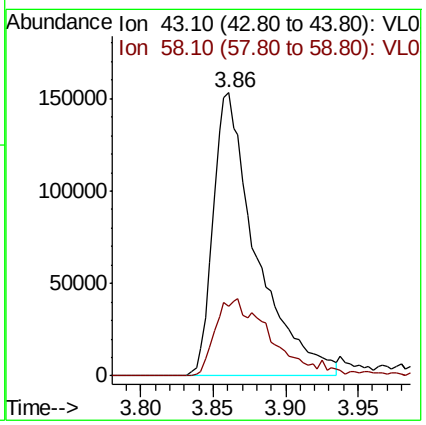


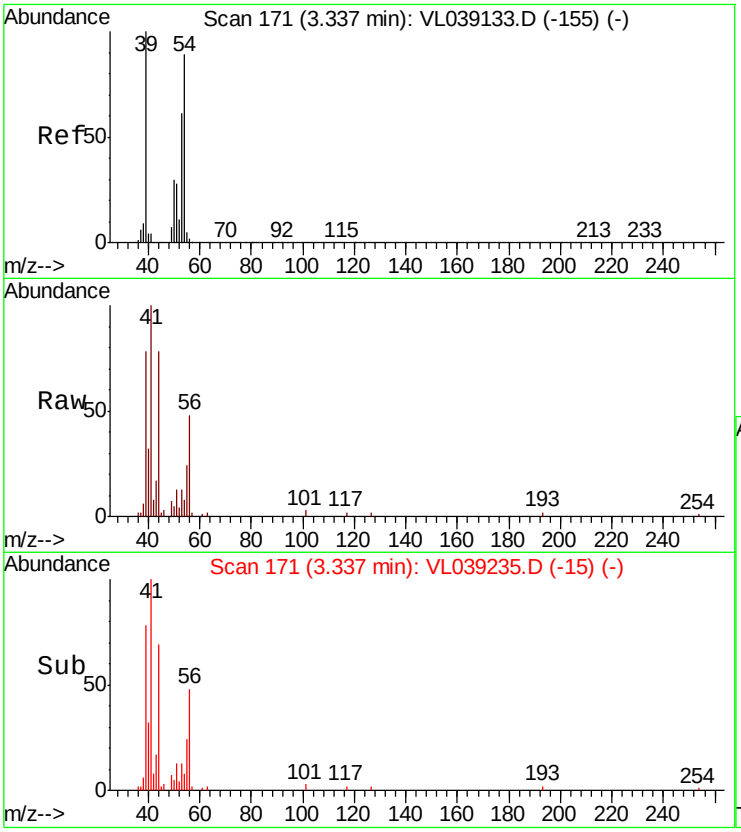


#15
Acetone
Concen: 2.585 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

Tgt Ion: 43 Resp: 313733

Ion	Ratio	Lower	Upper
43	100		
58	36.8	22.5	33.7#



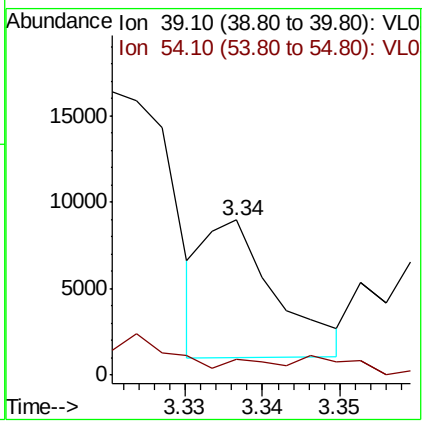


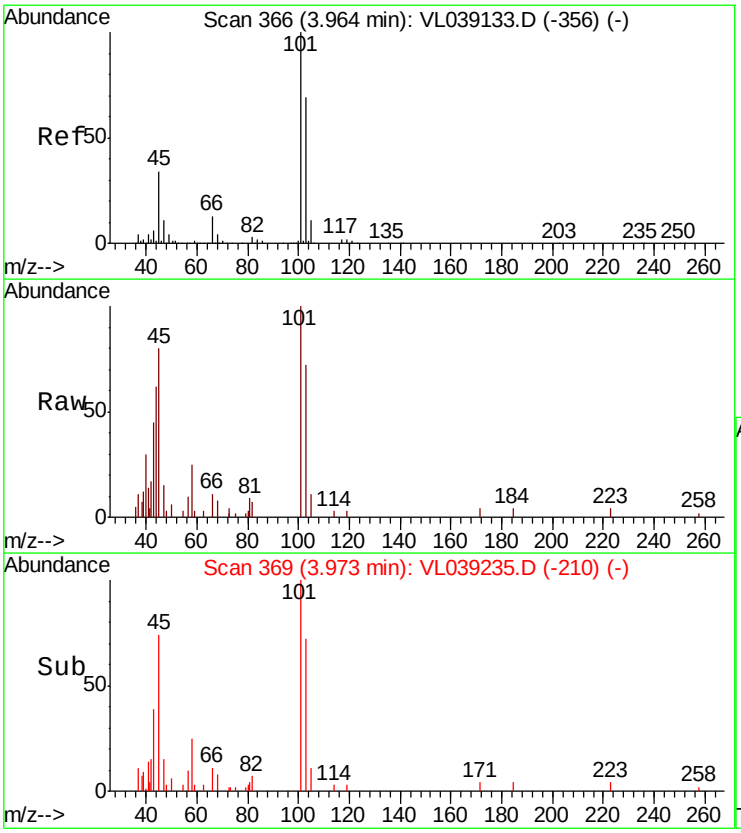
#16
1,3-Butadiene
Concen: 0.078 ppbv
RT: 3.34
Delta R.T
Lab File:
Acq: 8 Jun 2022 15:00

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 39 Resp: 5095

Ion	Ratio	Lower	Upper
39	100		
54	0.0	65.8	98.6#

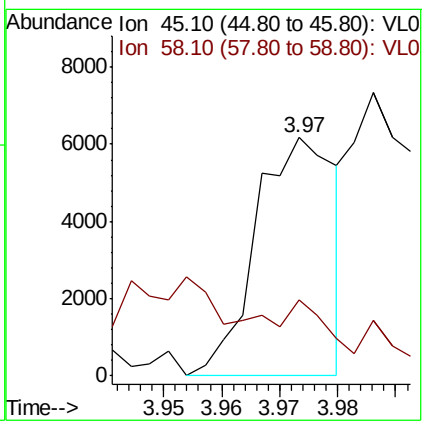


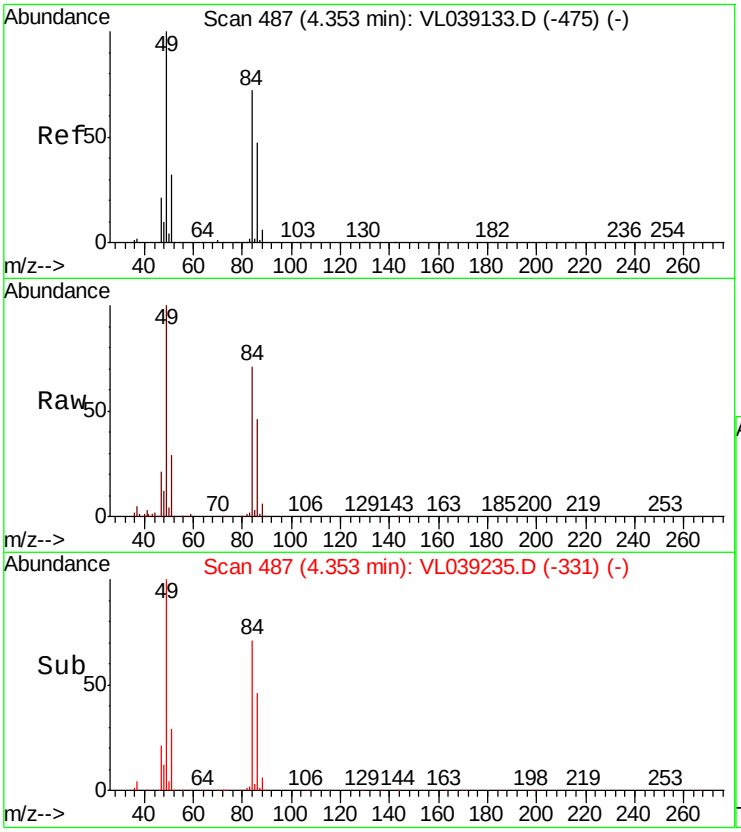


#19
Isopropyl Alcohol
Concen: 0.104 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.01 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

Tgt Ion: 45 Resp: 5895

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.8#



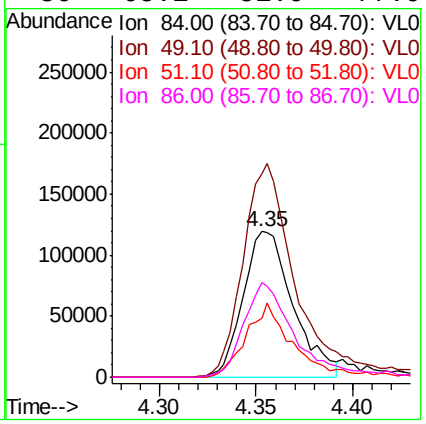


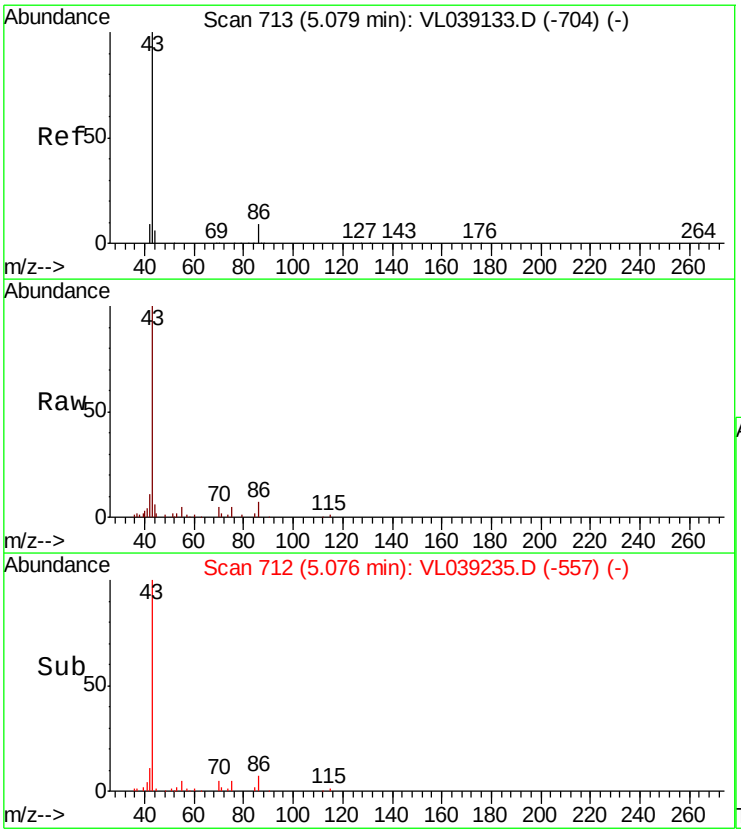
#20
Methylene Chloride
Concen: 4.197 ppbv
RT: 4.35
Delta R.T
Lab File:
Acq: 8 Jun 2022 15:00

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 84 Resp: 214699

Ion	Ratio	Lower	Upper
84	100		
49	140.0	111.1	166.7
51	40.9	35.3	52.9
86	65.1	51.9	77.9

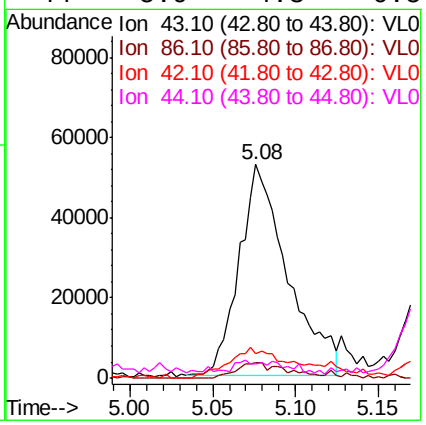


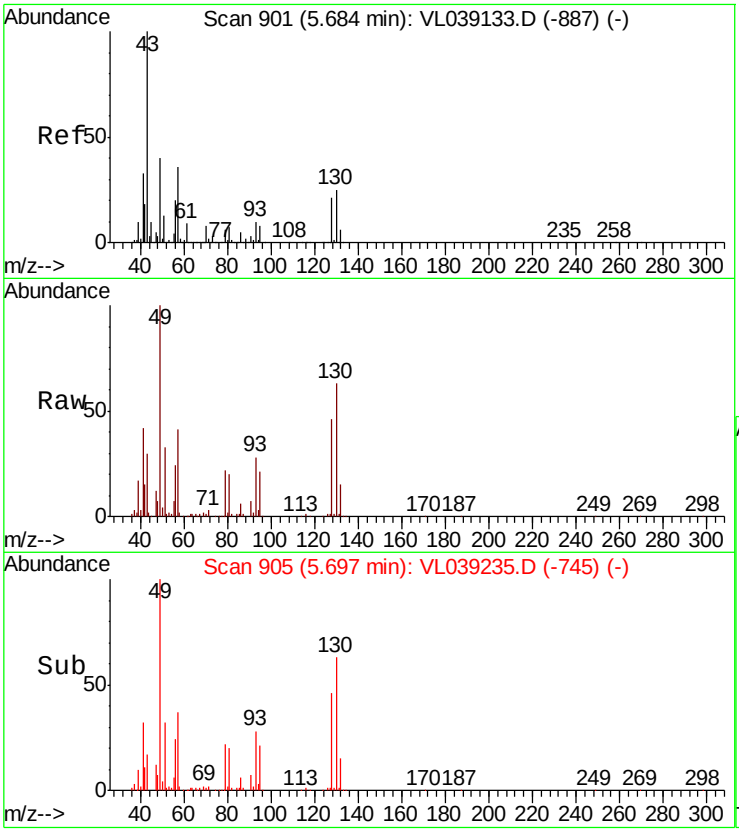


#23
Vinyl Acetate
Concen: 1.072 ppbv
RT: 5.08 min Scan# 712
Delta R.T. -0.00 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

Tgt Ion: 43 Resp: 107705

Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.0	9.0
42	10.3	8.2	12.4
44	5.9	4.3	6.5



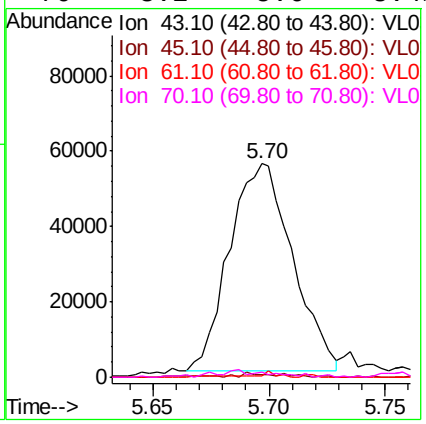


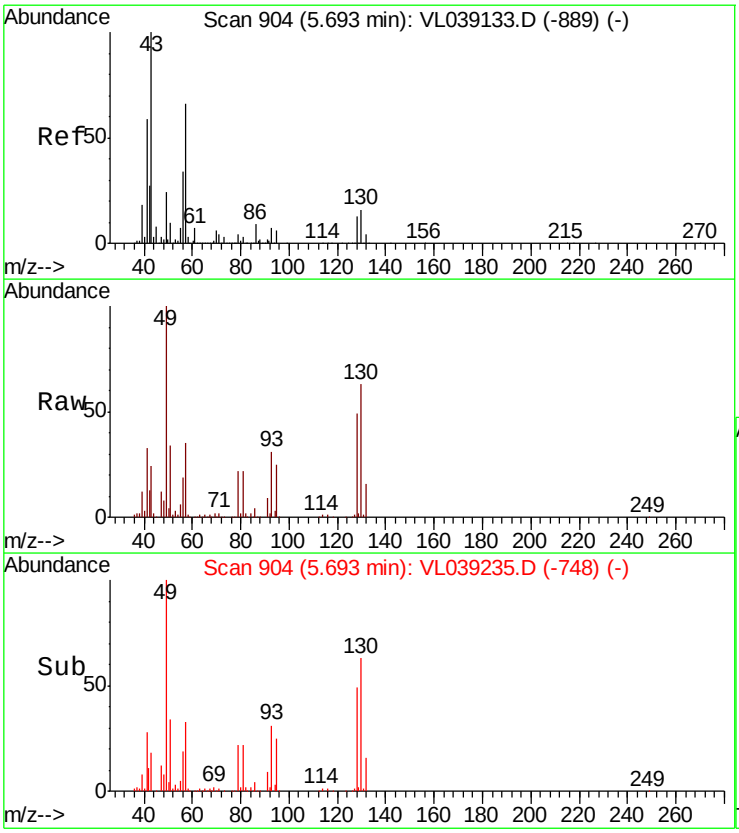
#25
Ethyl Acetate
Concen: 0.380 ppbv
RT: 5.70
Delta R.T
Lab File:
Acq: 8 Jun 2022 15:00

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 103995

Ion	Ratio	Lower	Upper
43	100		
45	1.2	8.2	12.2#
61	1.4	8.4	12.6#
70	3.2	5.6	8.4#

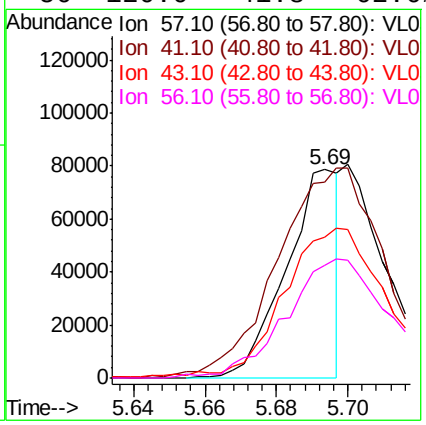


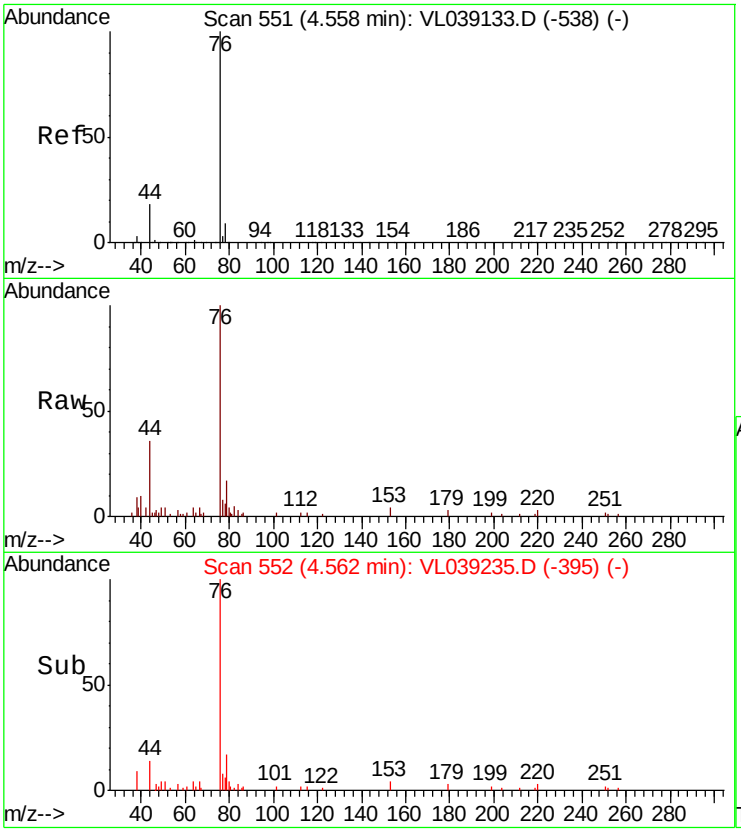


#26
Hexane
Concen: 0.668 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

Tgt Ion: 57 Resp: 80269

Ion	Ratio	Lower	Upper
57	100		
41	223.7	72.4	108.6#
43	153.2	187.0	280.6#
56	120.0	41.8	62.6#



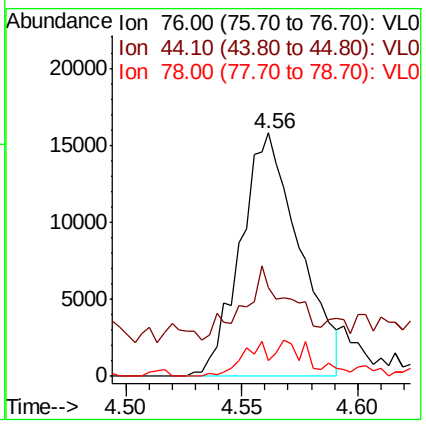


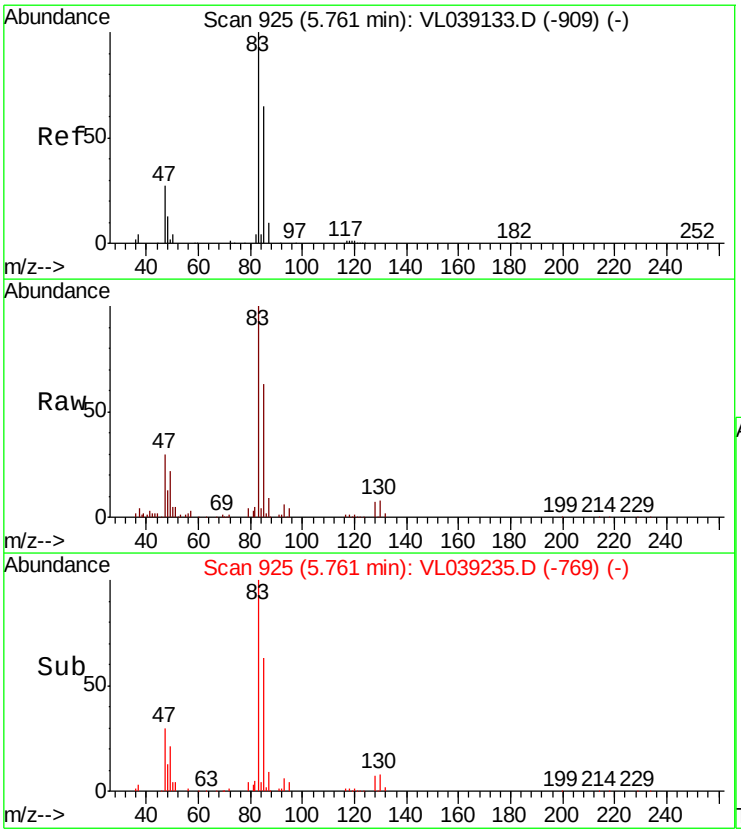
#27
Carbon Disulfide
Concen: 0.224 ppbv
RT: 4.56
Delta R.T
Lab File:
Acq: 8 Jun 2022 15:00

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 76 Resp: 27945

Ion	Ratio	Lower	Upper
76	100		
44	39.3	14.4	21.6#
78	17.1	7.7	11.5#

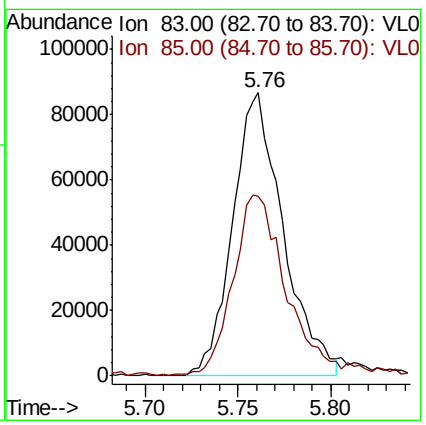


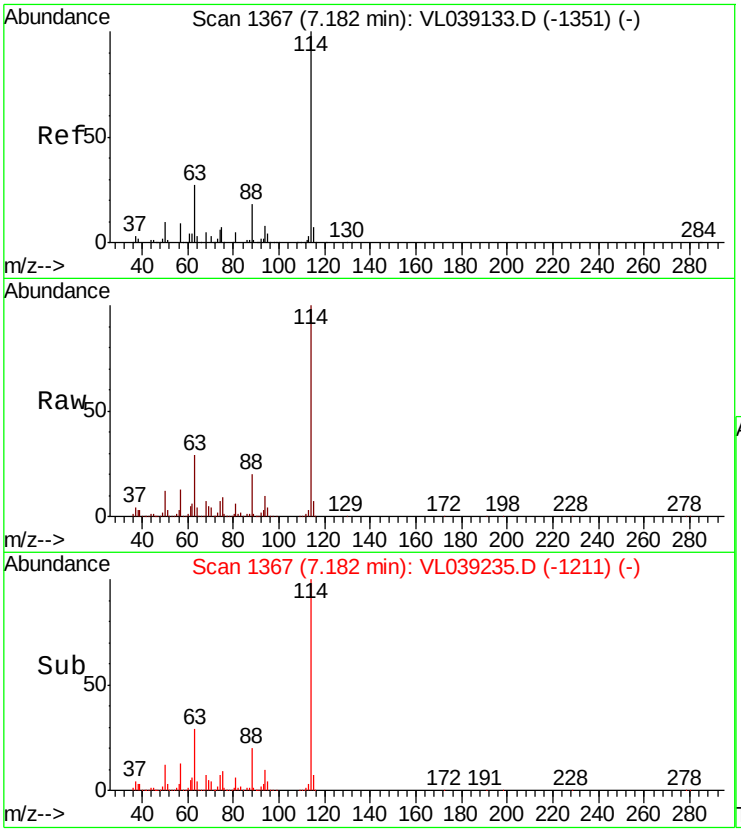


#29
Chloroform
Concen: 0.815 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.00 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

Tgt Ion: 83 Resp: 164921

Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.4	78.6



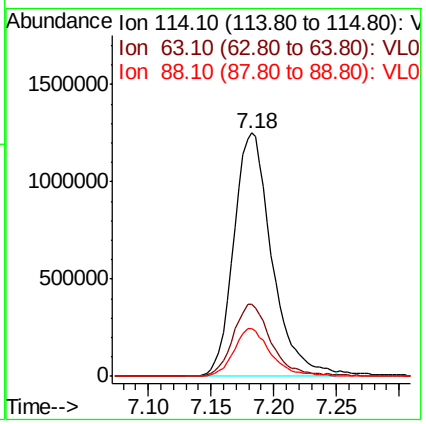


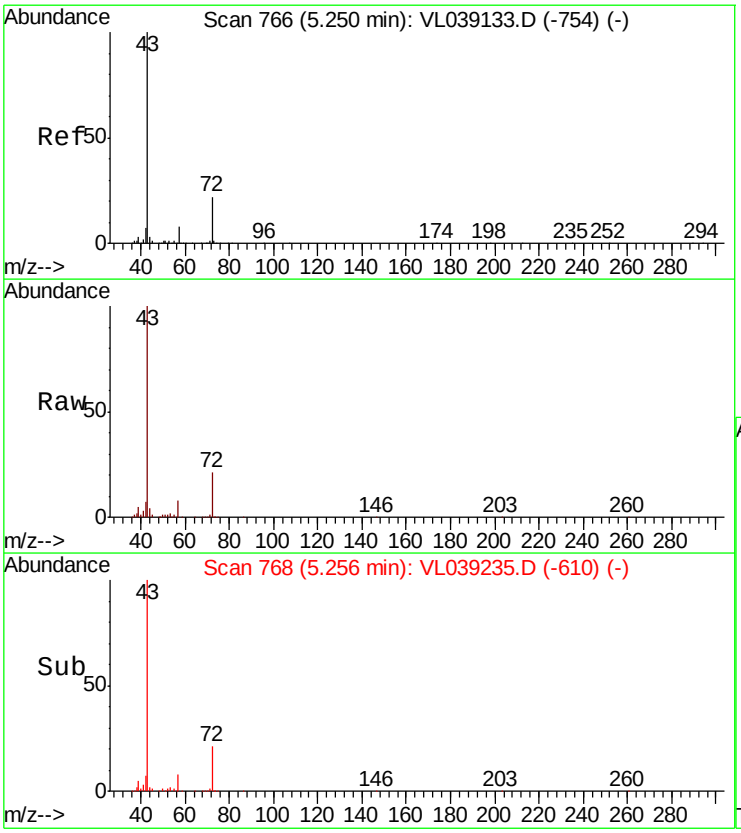
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18
Delta R.T
Lab File:
Acq: 8 Jun 2022 15:00

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:114 Resp: 2645210

Ion	Ratio	Lower	Upper
114	100		
63	29.9	21.7	32.5
88	19.6	14.8	22.2

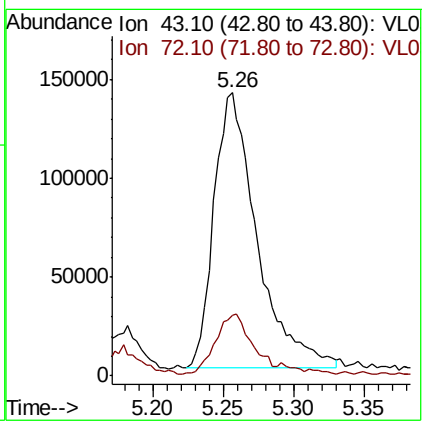


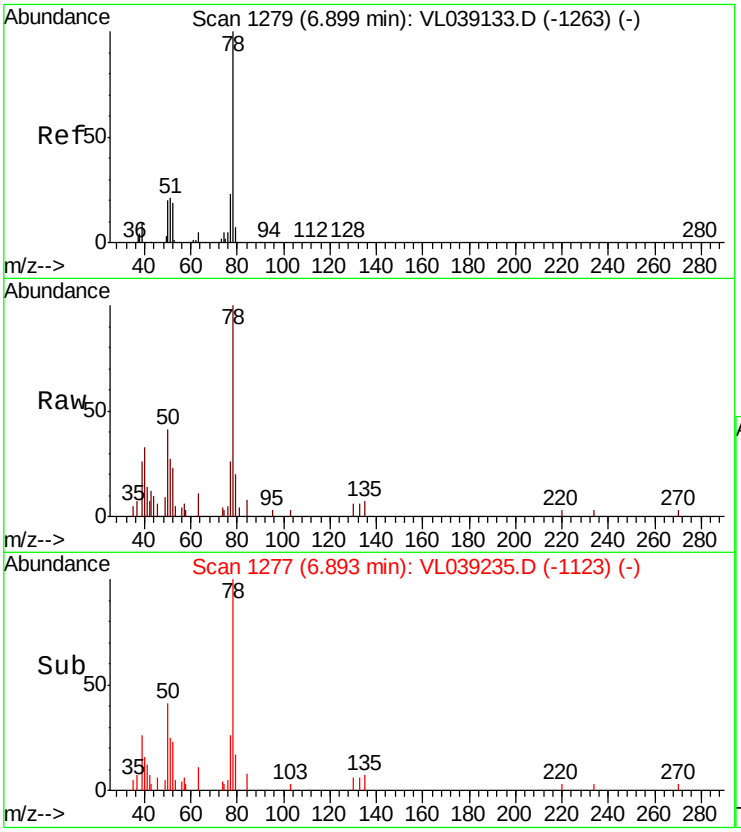


#34
2-Butanone
Concen: 2.063 ppbv
RT: 5.26 min Scan# 768
Delta R.T. 0.01 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

Tgt Ion: 43 Resp: 296420

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.2	27.2



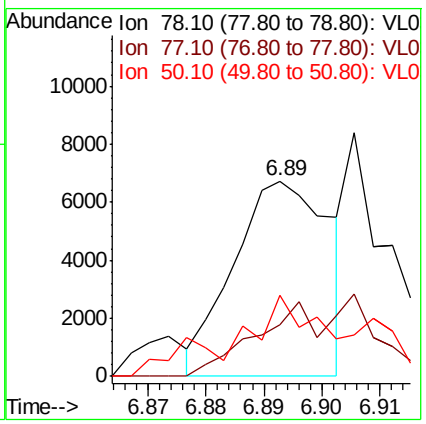


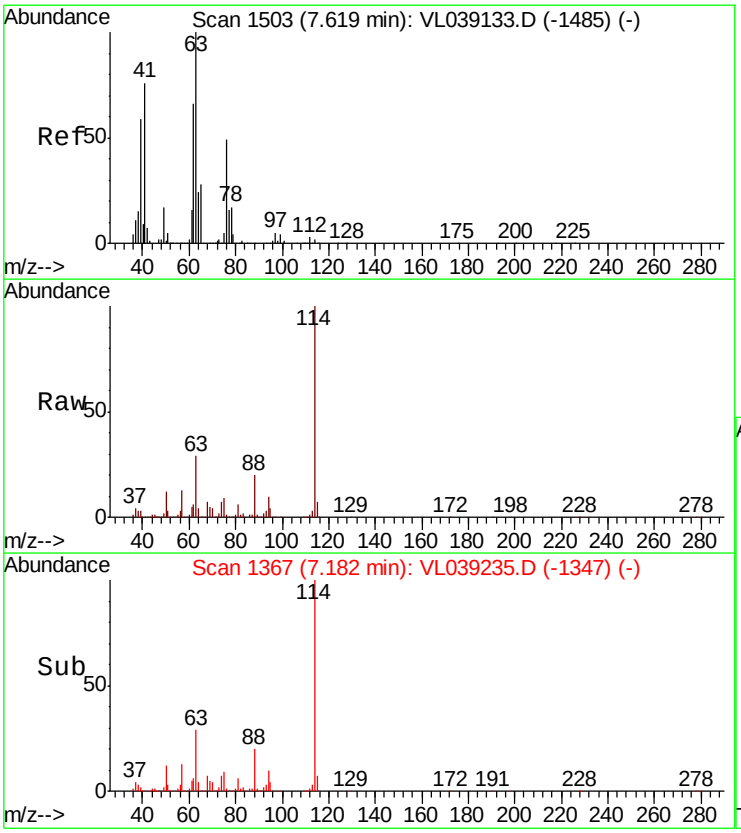
#36
Benzene
Concen: 0.036 ppbv
RT: 6.89
Delta R.T
Lab File:
Acq: 8 Jun 2022 15:00

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 78 Resp: 7719

Ion	Ratio	Lower	Upper
78	100		
77	31.6	18.6	27.8#
50	26.7	15.8	23.8#

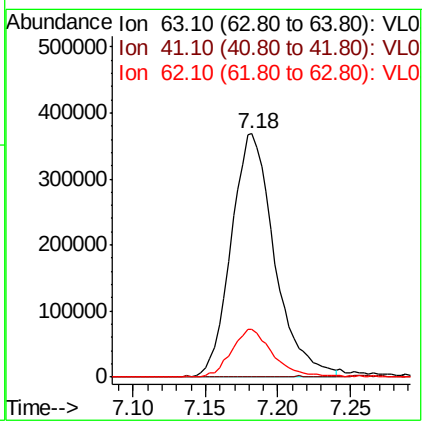


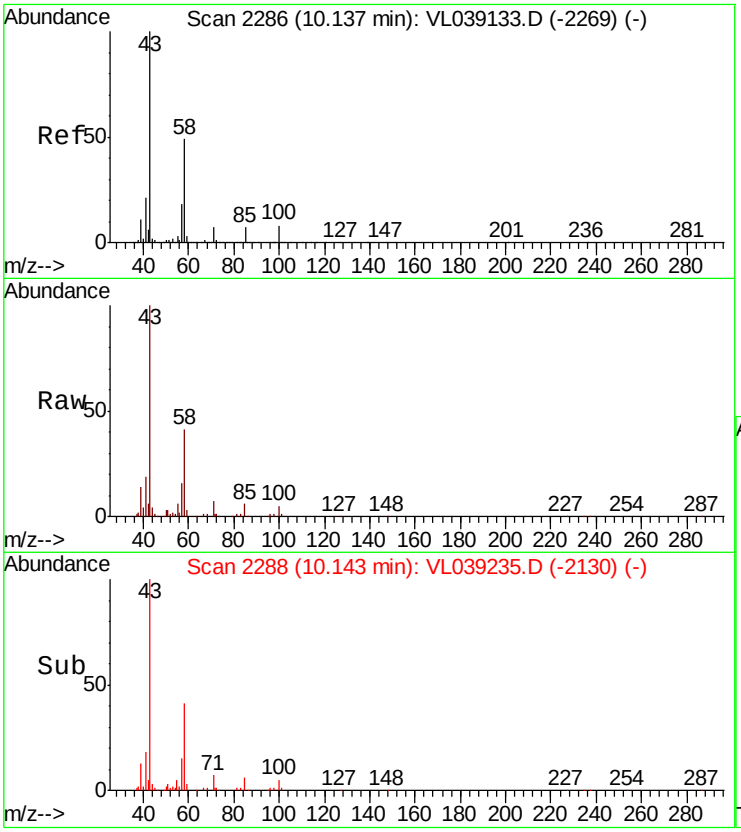


#39
1,2-Dichloropropane
Concen: 8.982 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.44 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

Tgt Ion: 63 Resp: 767228

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	19.9	52.9	79.3#



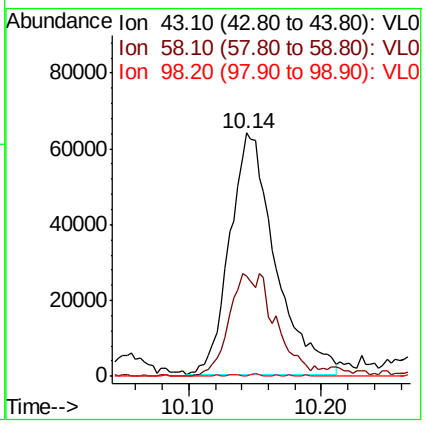


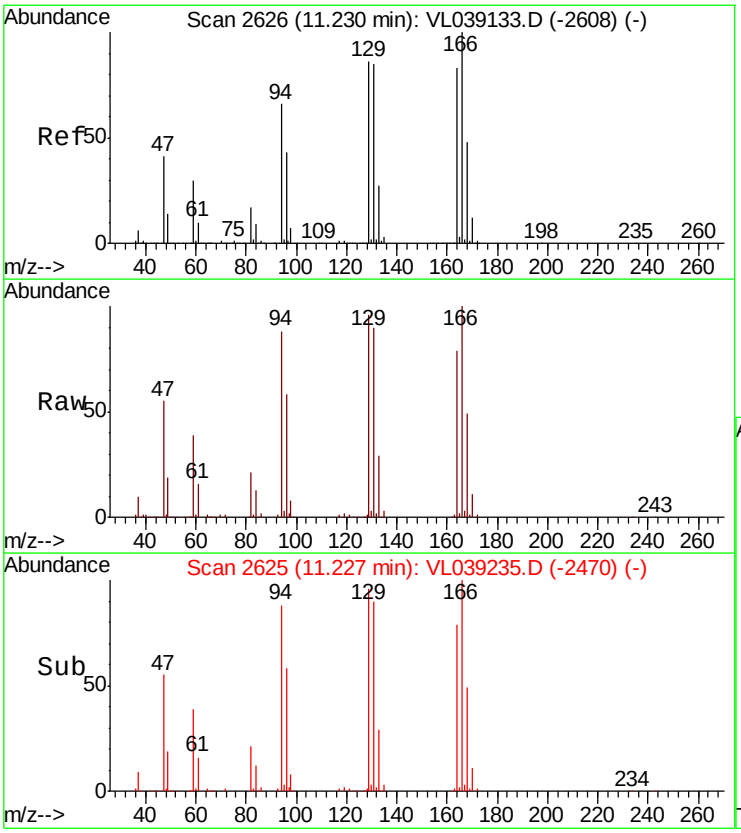
#51
2-Hexanone
Concen: 0.915 ppbv
RT: 10.14
Delta R.T
Lab File:
Acq: 8 Jun 2022 15:00

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 153151

Ion	Ratio	Lower	Upper
43	100		
58	46.1	40.0	60.0
98	0.4	0.1	0.1#

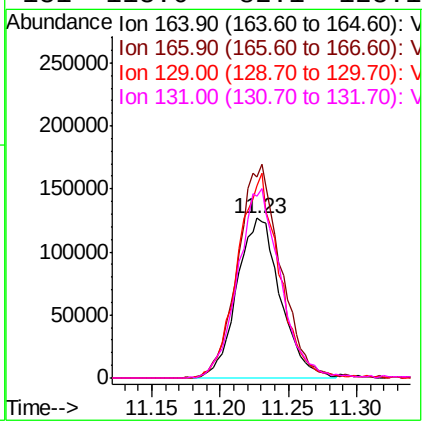


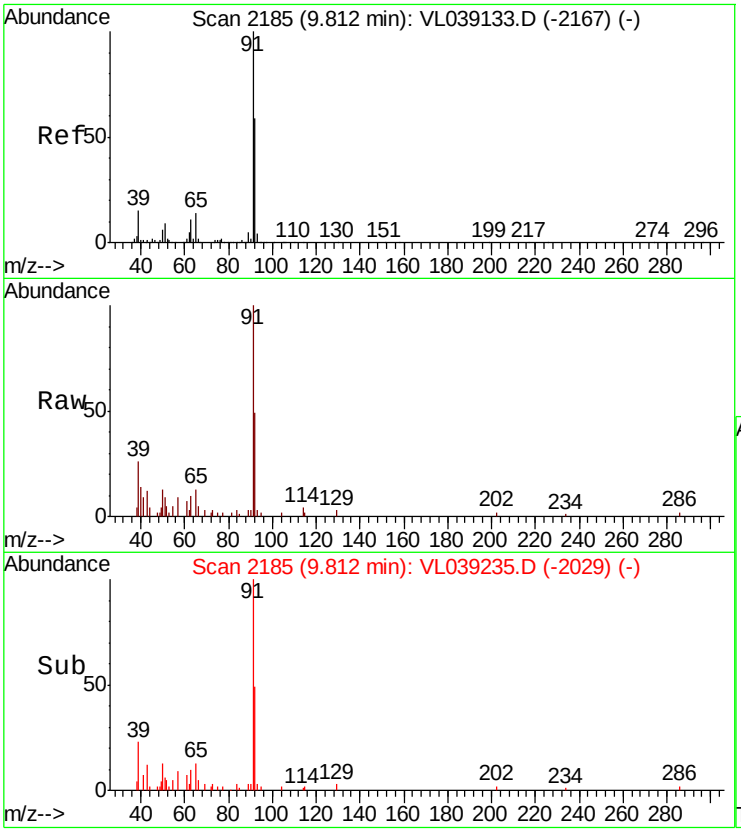


#52
Tetrachloroethene
Concen: 3.345 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

Tgt Ion:164 Resp: 280484

Ion	Ratio	Lower	Upper
164	100		
166	125.5	96.3	144.5
129	120.5	82.5	123.7
131	113.6	82.1	123.1



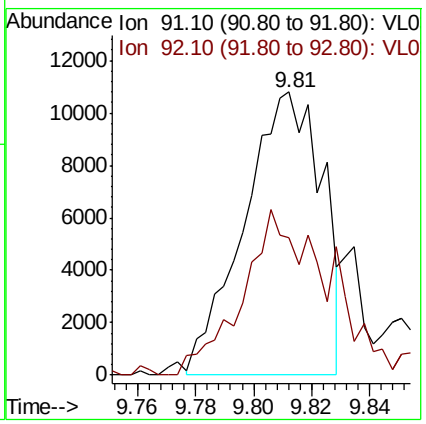


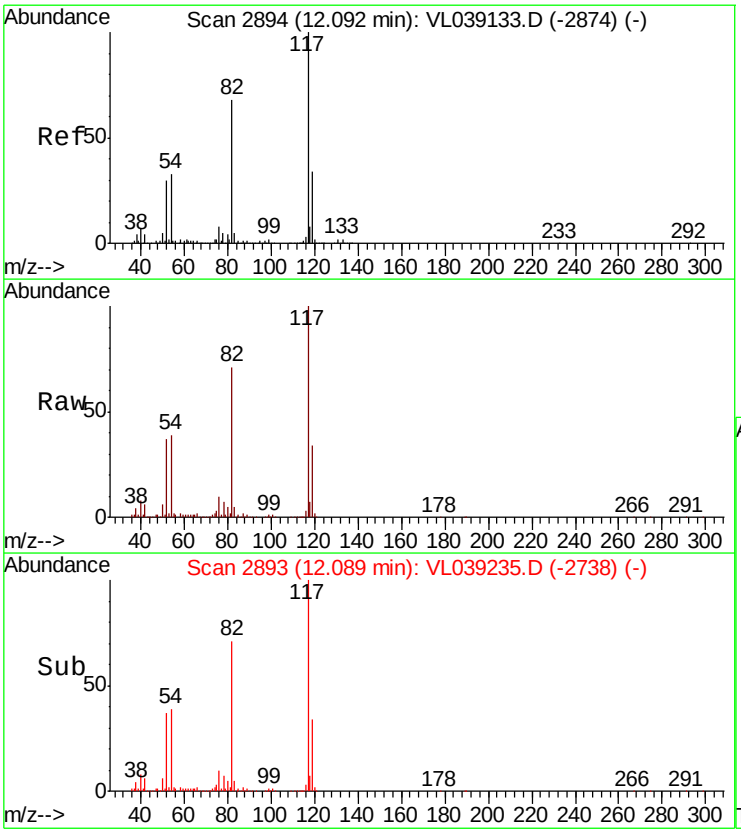
#53
Toluene
Concen: 0.082 ppbv
RT: 9.81
Delta R.T
Lab File:
Acq: 8 Jun 2022 15:00

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 20177

Ion	Ratio	Lower	Upper
91	100		
92	66.9	48.1	72.1

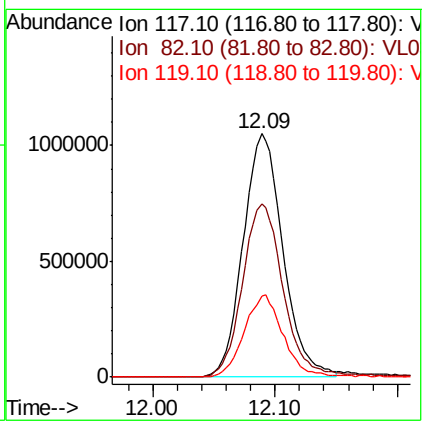


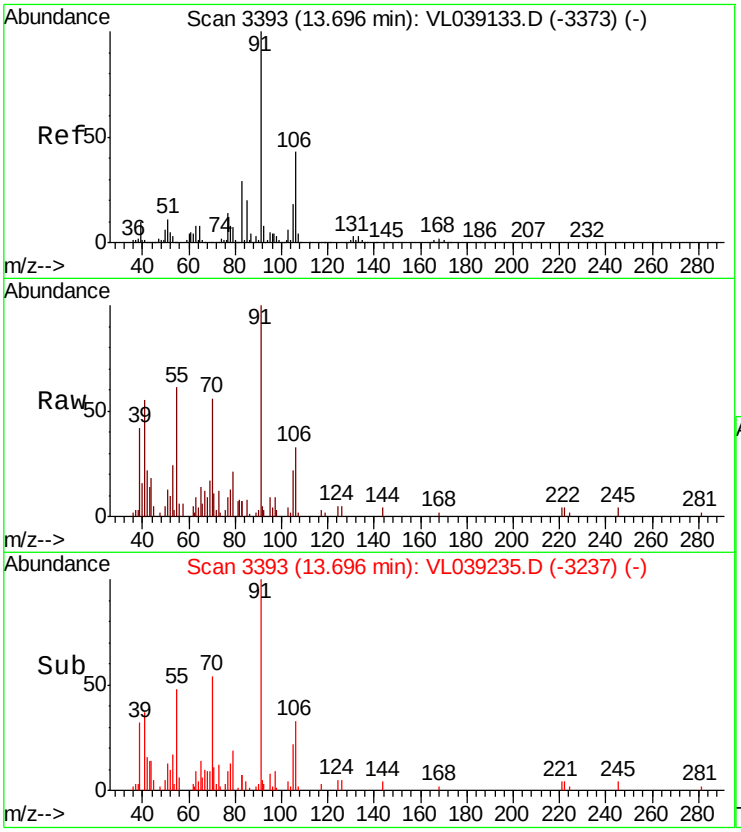


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

Tgt Ion:117 Resp: 2365883

Ion	Ratio	Lower	Upper
117	100		
82	74.2	55.1	82.7
119	33.4	24.7	37.1



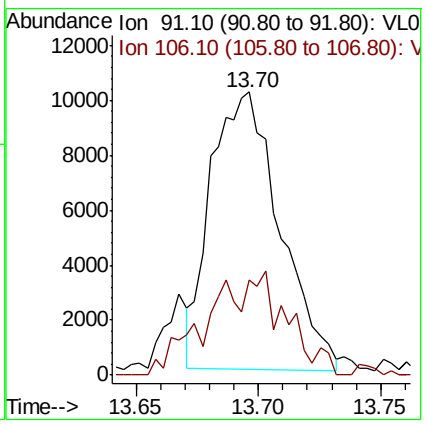


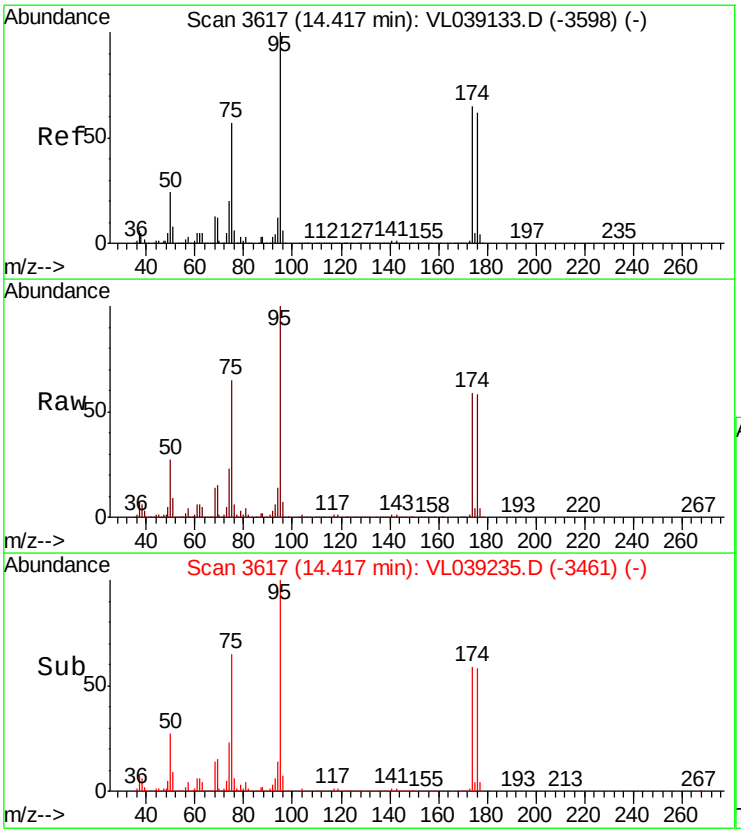
#60
o-Xylene
Concen: 0.074 ppbv
RT: 13.70
Delta R.T
Lab File:
Acq: 8 Jun 2022 15:00

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 19843

Ion	Ratio	Lower	Upper
91	100		
106	43.0	22.3	66.9

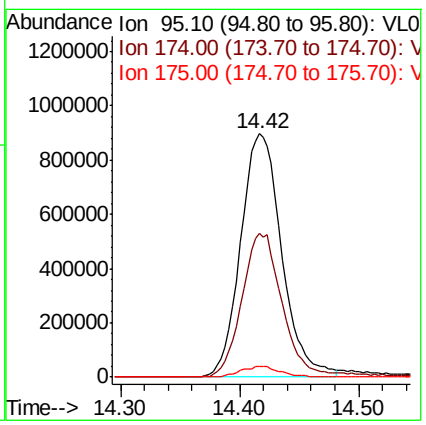


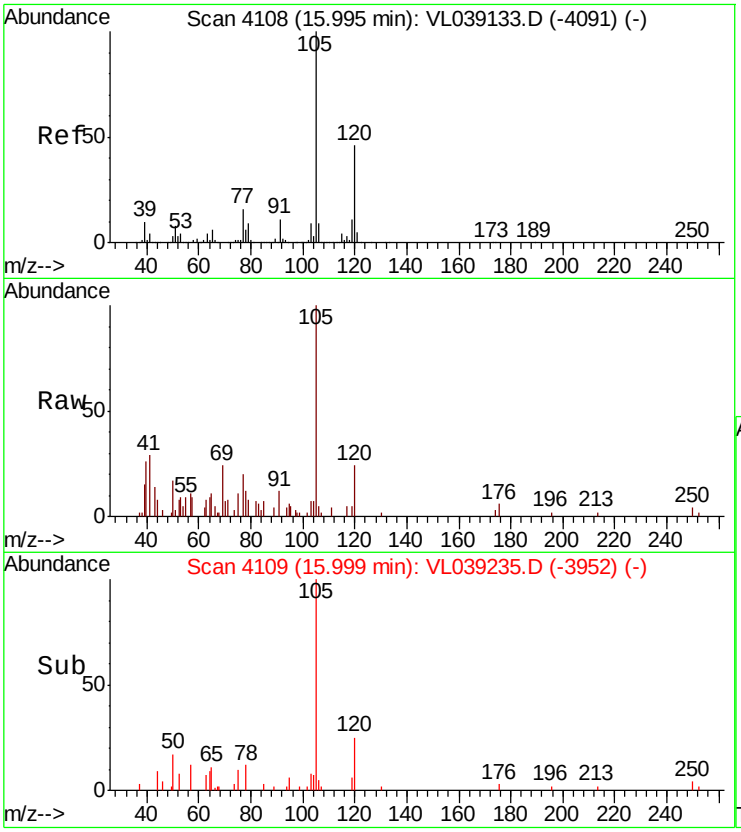


#68
1-Bromo-4-Fluorobenzene
Concen: 10.932 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. 0.00 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

Tgt Ion: 95 Resp: 2138195

Ion	Ratio	Lower	Upper
95	100		
174	59.6	53.8	80.8
175	4.4	4.1	6.1



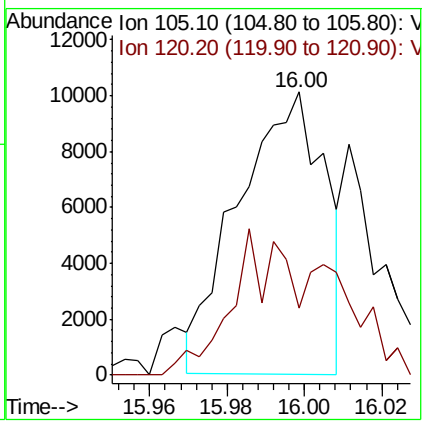


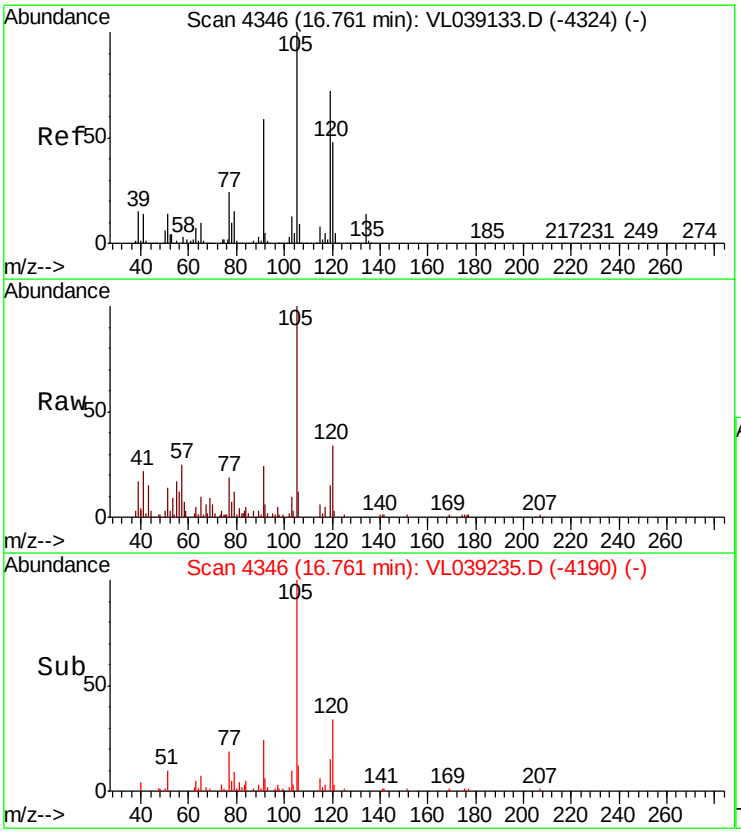
#73
1,3,5-Trimethylbenzene
Concen: 0.055 ppbv
RT: 16.00
Delta R.T
Lab File:
Acq: 8 Jun 2022 15:00

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:105 Resp: 15738

Ion	Ratio	Lower	Upper
105	100		
120	17.8	36.7	55.1#

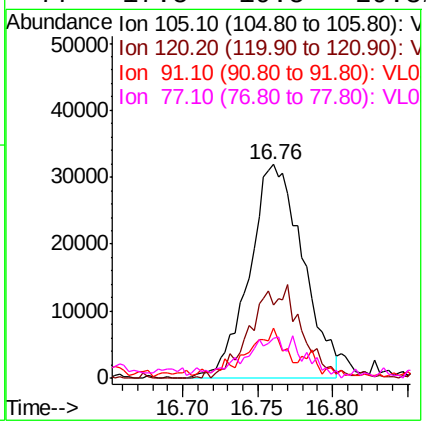


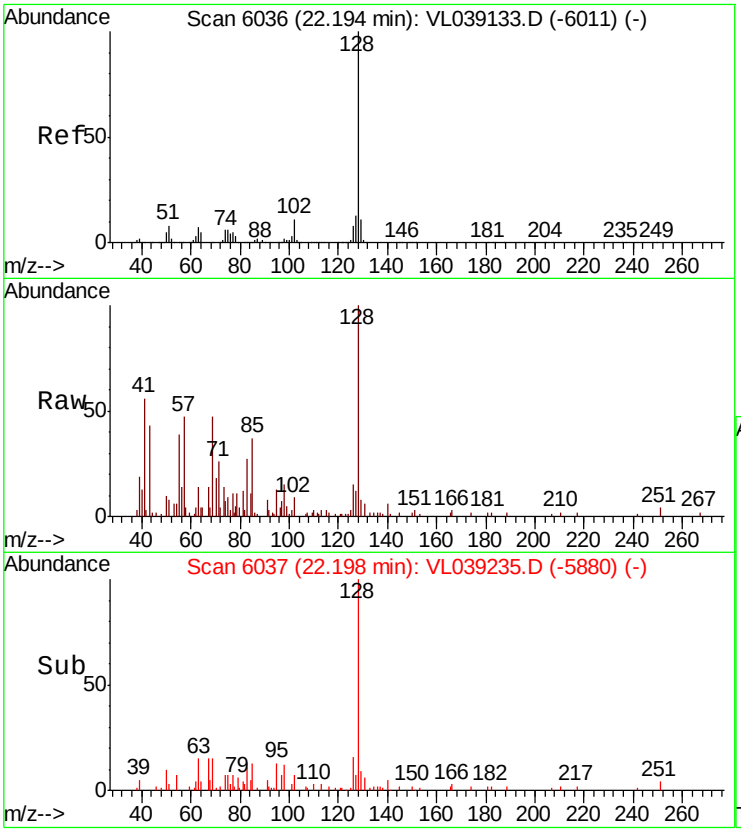


#74
1,2,4-Trimethylbenzene
Concen: 0.248 ppbv
RT: 16.76 min Scan# 4346
Delta R.T. 0.00 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

Tgt Ion:105 Resp: 78973

Ion	Ratio	Lower	Upper
105	100		
120	37.1	38.1	57.1#
91	21.6	47.4	71.0#
77	17.5	19.5	29.3#



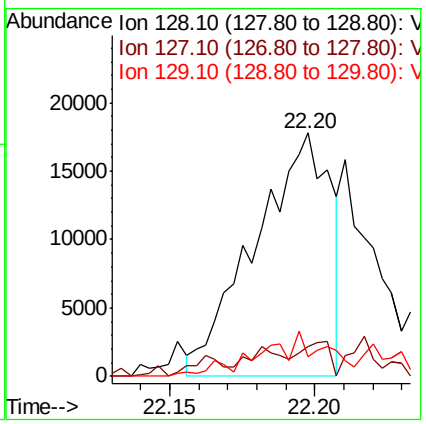


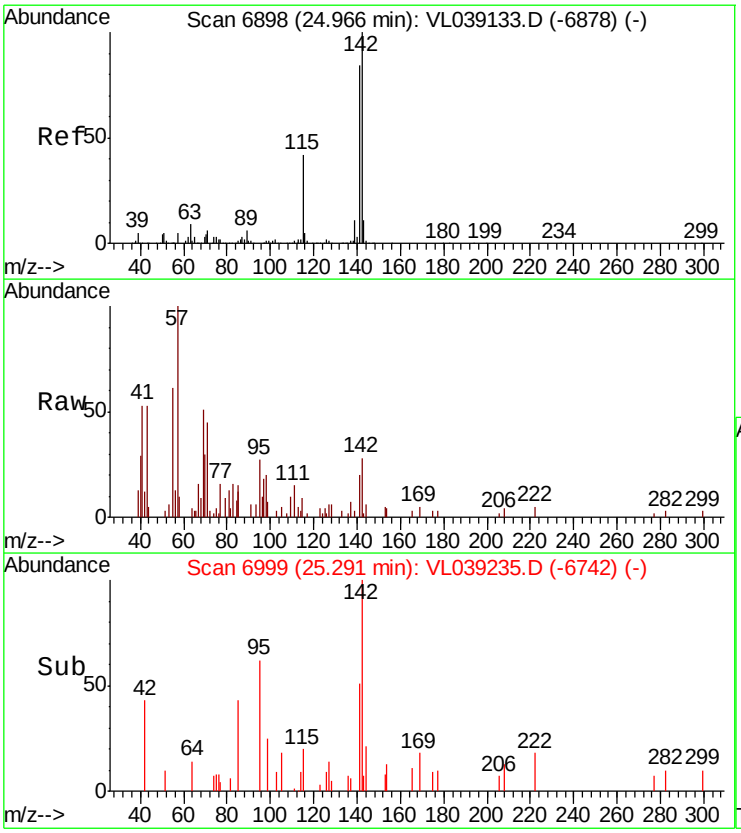
#79
Naphthalene
Concen: 0.131 ppbv
RT: 22.20
Delta R.T
Lab File:
Acq: 8 Jun 2022 15:00

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:128 Resp: 32183

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	6.9	9.0	13.6#





#80
Naphthalene,2-methyl-
Concen: 0.046 ppbv
RT: 25.29 min Scan# 6999
Delta R.T. 0.32 min
Lab File: VL039235.D
Acq: 8 Jun 2022 15:00

Tgt Ion:142 Resp: 4178

Ion	Ratio	Lower	Upper
142	100		
141	80.2	64.6	96.8
115	45.8	32.7	49.1