Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL061522\
Data File : VL039314.D
Acq On : 16 Jun 2022 3:25
Operator : SY/AP
Sample : N3338-01 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV1

Quant Time: Jun 16 04:38:32 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	5.65	49	1226141	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.16	114	3424465	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.07	117	3146425	10.00	ppbv		-0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	2561391	9.85	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	39072	0.181	ppbv		96
3) Chlorodifluoromethane	2.98	51	51931	0.333	ppbv	#	83
4) Chloromethane	3.14	50	16357	0.204	ppbv		93
9) Propene	3.02	41	234529	3.448	ppbv		87
10) Heptane	8.10	43	49091	0.309	ppbv		86
11) Trichlorofluoromethane	3.94	101	13531	0.069	ppbv		96
13) Ethanol	3.59	45	2621337	706.580	ppbv	#	100
15) Acetone	3.84	43	1250030	9.787	ppbv		96
16) 1,3-Butadiene	3.35	39	41165	0.600	ppbv		91
17) tert-Butyl alcohol	4.28	59	23467	0.237	ppbv	#	70
19) Isopropyl Alcohol	3.95	45	890198	14.860	ppbv	#	98
20) Methylene Chloride	4.34	84	40474	0.752	ppbv		95
23) Vinyl Acetate	5.05	43	38084	0.360	ppbv	#	46
25) Ethyl Acetate	5.68	43	110217	0.383	ppbv	#	84
26) Hexane	5.68	57	144104	1.139	ppbv	#	38
27) Carbon Disulfide	4.54	76	4317	0.033	ppbv	#	6
29) Chloroform	5.74	83	205929	0.967	ppbv		96
30) Cyclohexane	7.11	84	4522	0.043	ppbv	#	1
34) 2-Butanone	5.23	43	182441	0.981	ppbv		99
36) Benzene	6.88	78	101454	0.365	ppbv		99
38) Trichloroethene	7.82	130	123614	0.968	ppbv		86
39) 1,2-Dichloropropane	7.16	63	825887	7.468	ppbv	#	24
43) Methyl Methacrylate	8.00	69	9450	0.087	ppbv	#	1
44) 2,2,4-Trimethylpentane	7.85	57	22493	0.046	ppbv	#	1
51) 2-Hexanone	10.12	43	53962	0.249	ppbv	#	92
52) Tetrachloroethene	11.20	164	57306	0.528	ppbv		93
53) Toluene	9.79	91	288447	0.901	ppbv		99
58) Ethyl Benzene	12.69	91	108006	0.249	ppbv	#	84
59) m/p-Xylene	12.96	91	131569	0.345	ppbv	#	33
60) o-Xylene	13.67	91	161933	0.452	ppbv		100
64) n-propylbenzene	15.75	120	22202	0.169	ppbv		70
69) p-Isopropyltoluene	17.63	119	59258	0.106	ppbv		96
71) 2-Chlorotoluene	15.54	91	55667	0.137	ppbv	#	54
72) 4-Ethyltoluene	15.82	105	72530	0.173	ppbv	#	70
73) 1,3,5-Trimethylbenzene	15.98	105	63922	0.169	ppbv		91
74) 1,2,4-Trimethylbenzene	16.74	105	172388	0.407	ppbv	#	61
79) Naphthalene	22.17	128	11799	0.036	ppbv	#	78

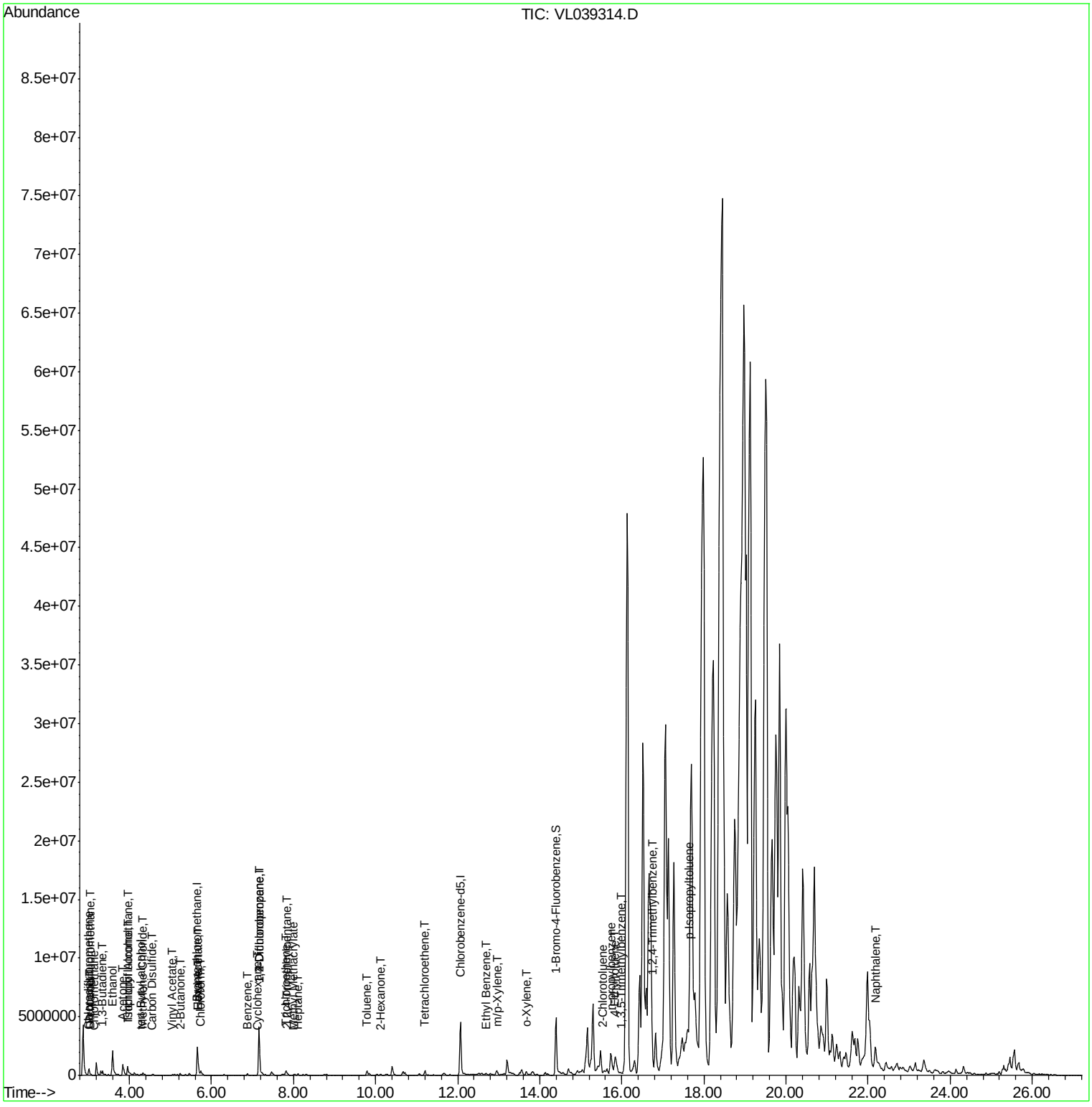
(#) = qualifier out of range (m) = manual integration (+) = signals summed

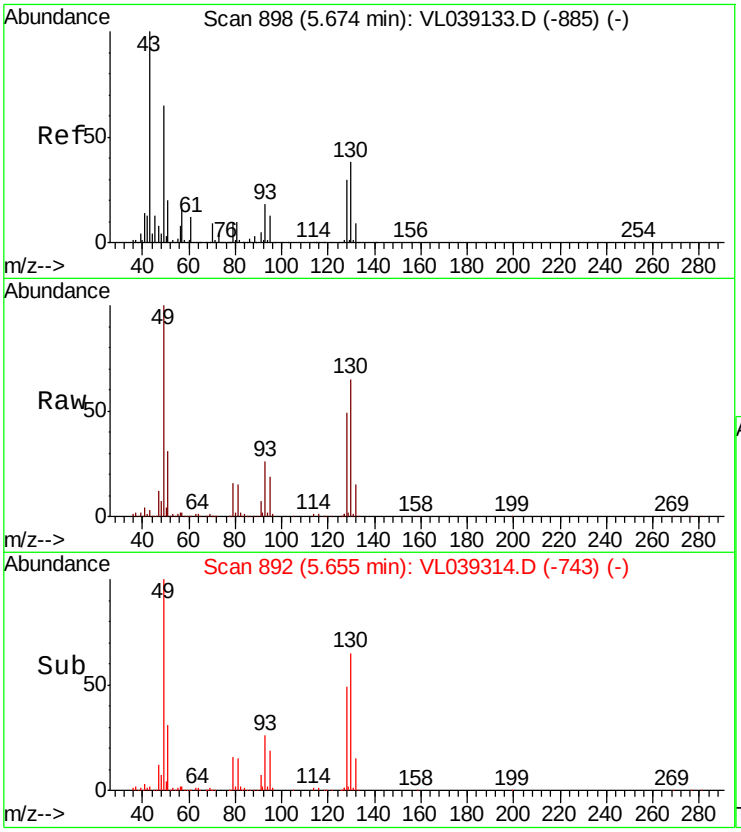
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL061522\
Data File : VL039314.D
Acq On : 16 Jun 2022 3:25
Operator : SY/AP
Sample : N3338-01 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Jun 16 04:38:32 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



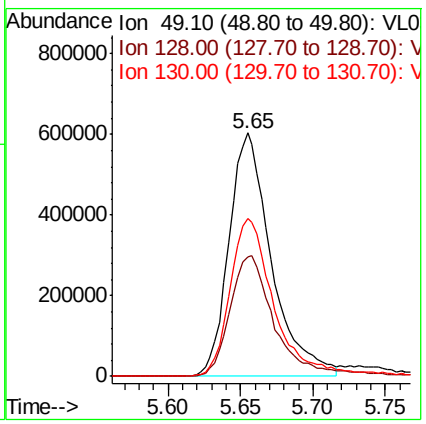


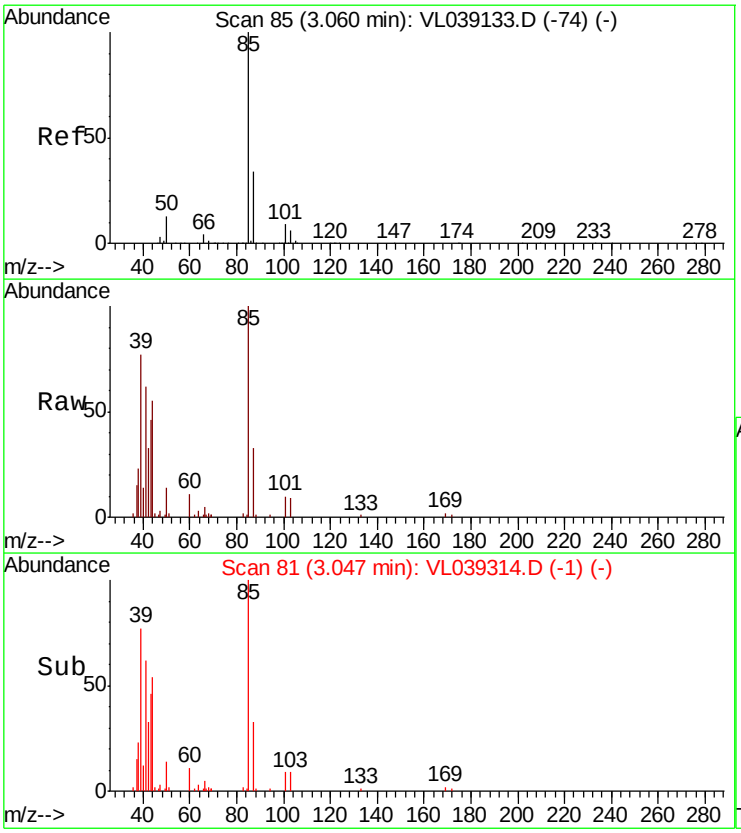
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 1226141

Ion	Ratio	Lower	Upper
49	100		
128	53.1	24.7	74.1
130	69.2	31.4	94.0

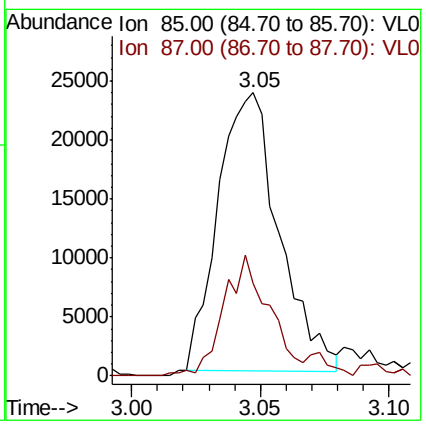


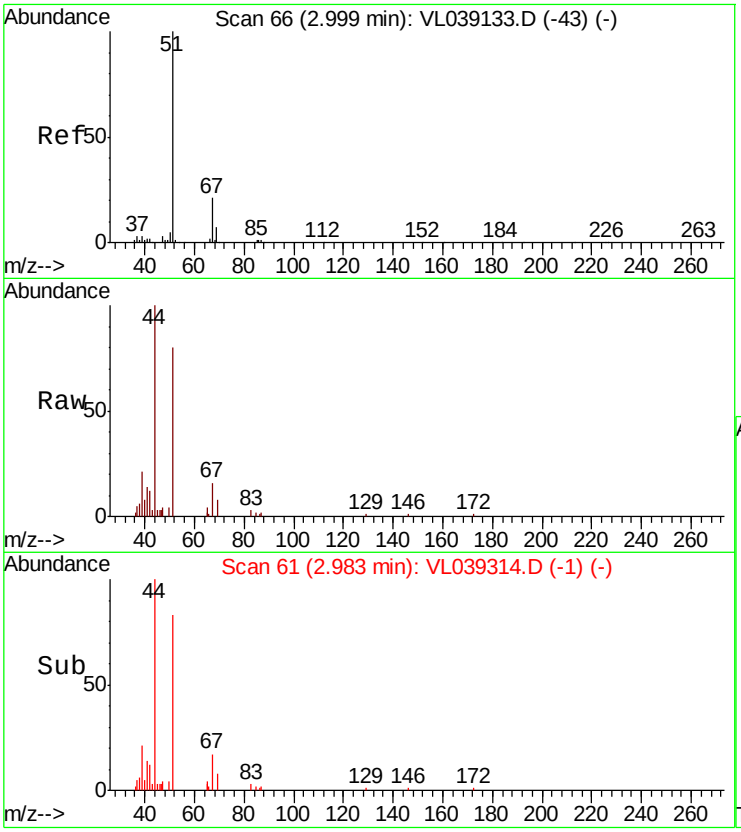


#2
Dichlorodifluoromethane
Concen: 0.181 ppbv
RT: 3.05 min Scan# 81
Delta R.T. -0.01 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion: 85 Resp: 39072

Ion	Ratio	Lower	Upper
85	100		
87	31.5	26.9	40.3



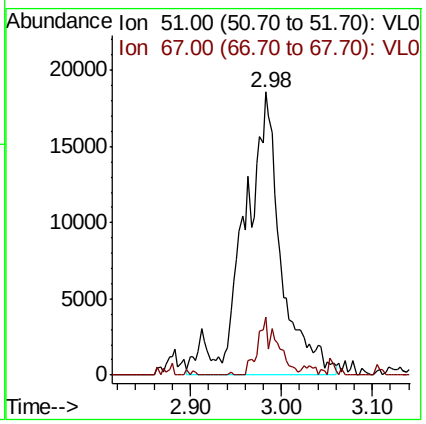


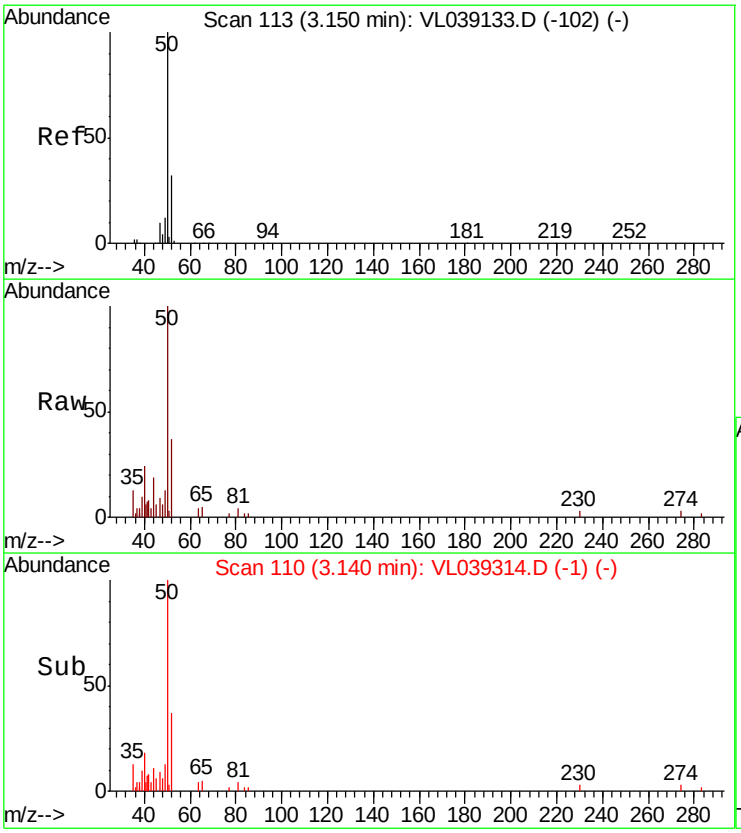
#3
Chlorodifluoromethane
Concen: 0.333 ppbv
RT: 2.98
Delta R.T
Lab File:
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 51 Resp: 51931

Ion	Ratio	Lower	Upper
51	100		
67	12.3	16.2	24.4#

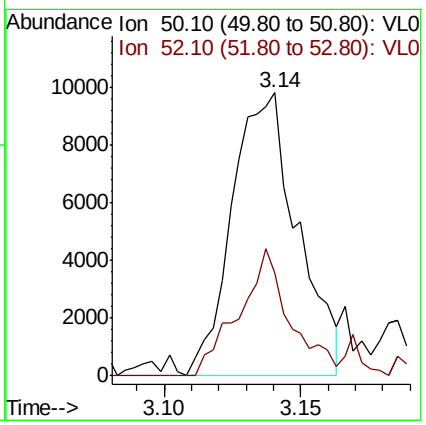


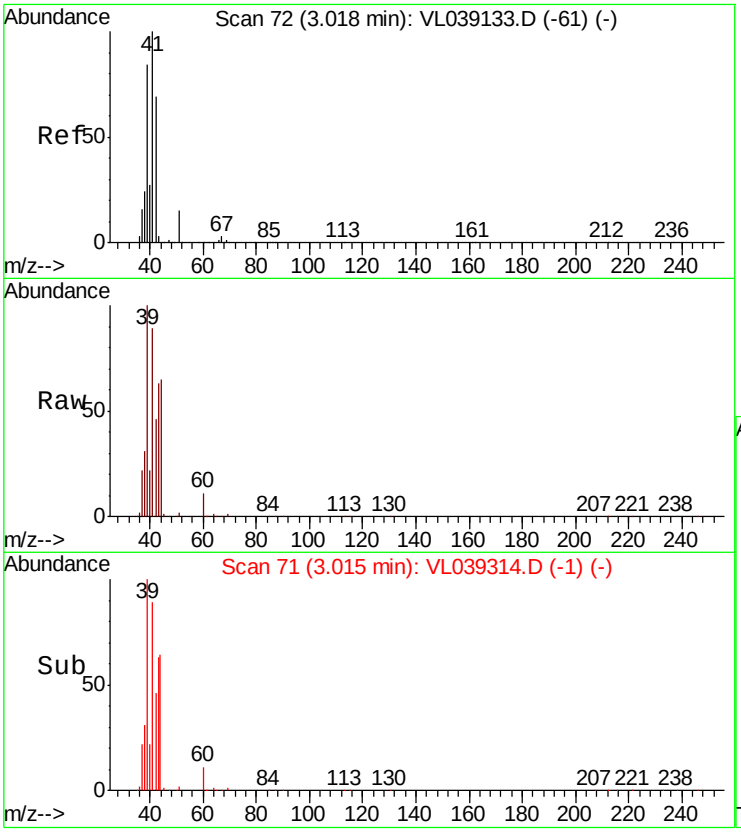


#4
Chloromethane
Concen: 0.204 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.01 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion: 50 Resp: 16357

Ion	Ratio	Lower	Upper
50	100		
52	36.6	25.9	38.9



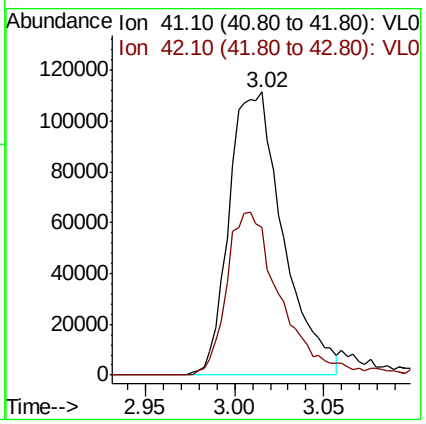


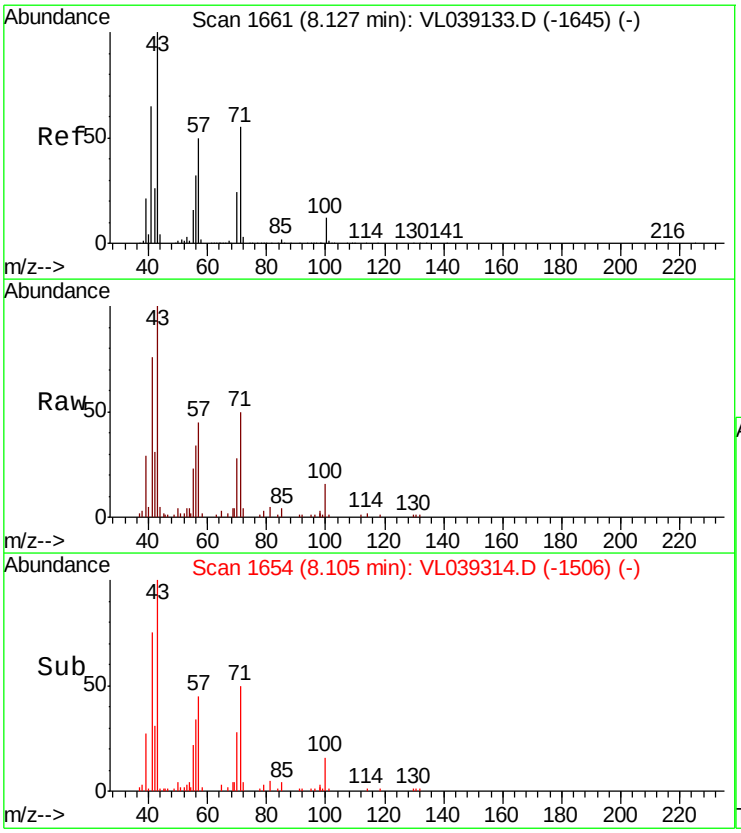
#9
Propene
Concen: 3.448 ppbv
RT: 3.02
Delta R.T
Lab File:
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 41 Resp: 234529

Ion	Ratio	Lower	Upper
41	100		
42	58.7	55.4	83.2

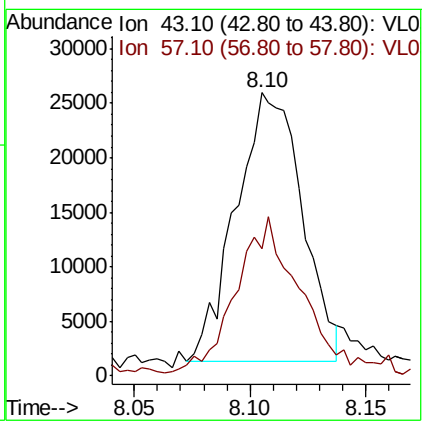


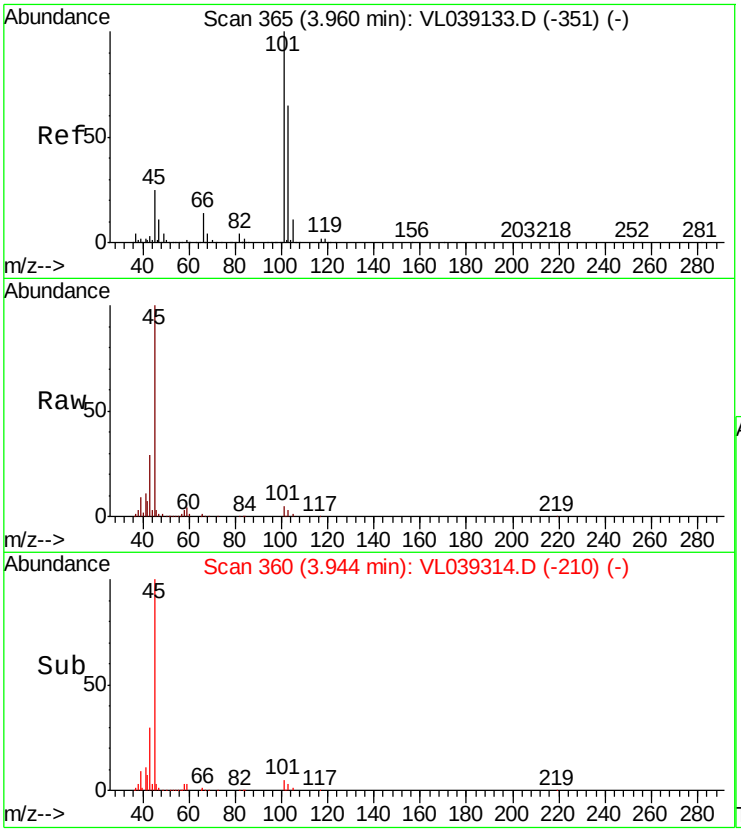


#10
Heptane
Concen: 0.309 ppbv
RT: 8.10 min Scan# 1654
Delta R.T. -0.02 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion: 43 Resp: 49091

Ion	Ratio	Lower	Upper
43	100		
57	61.4	41.4	62.2



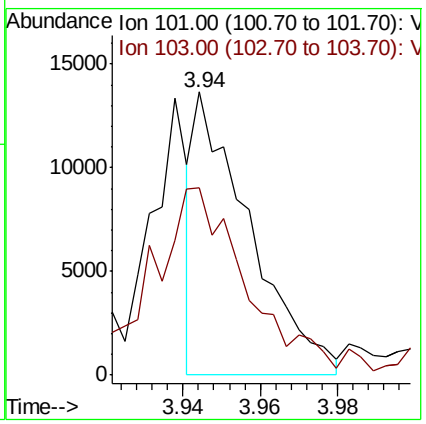


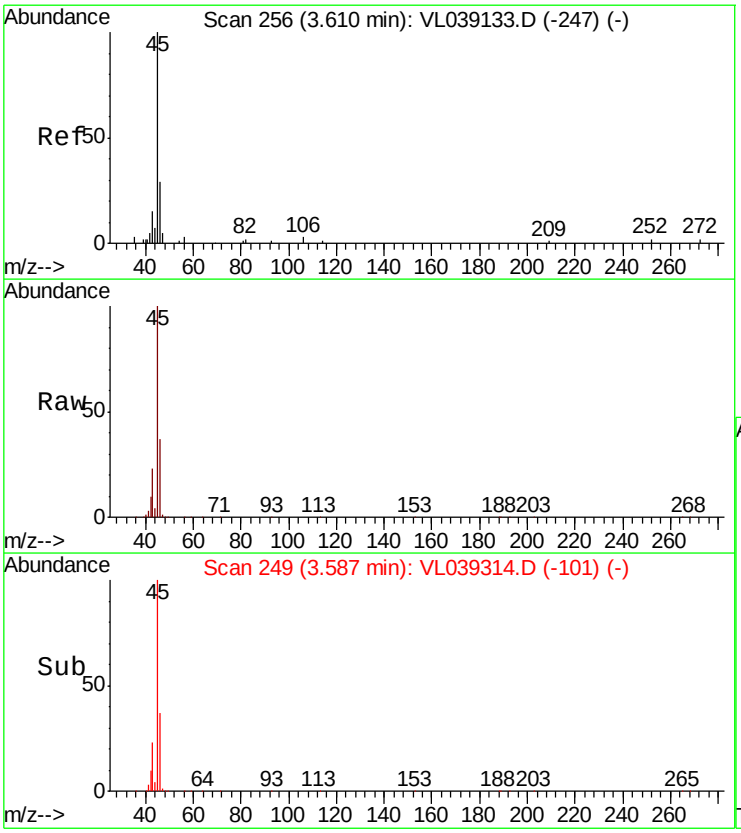
#11
Trichlorofluoromethane
Concen: 0.069 ppbv
RT: 3.94
Delta R.T
Lab File:
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:101 Resp: 13531

Ion	Ratio	Lower	Upper
101	100		
103	67.4	51.7	77.5

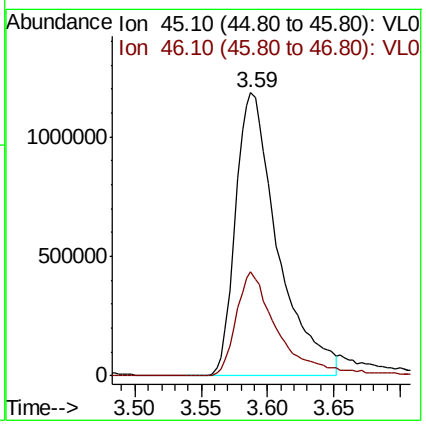


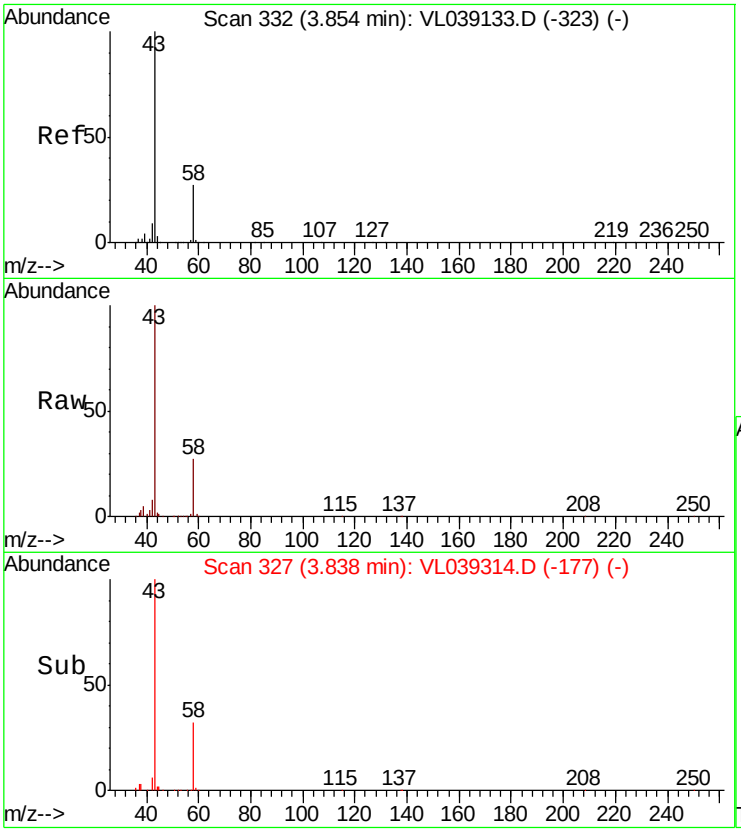


#13
Ethanol
Concen: 706.580 ppbv
RT: 3.59 min Scan# 249
Delta R.T. -0.02 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion: 45 Resp: 2621337

Ion	Ratio	Lower	Upper
45	100		
46	38.0	0.0	0.0#



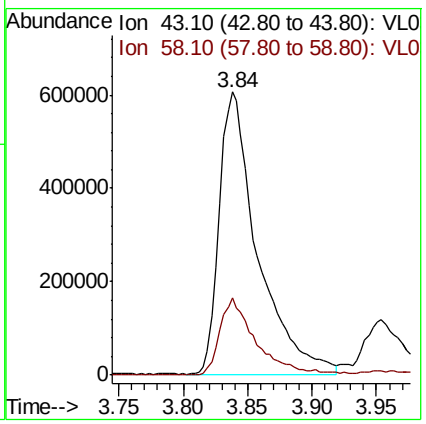


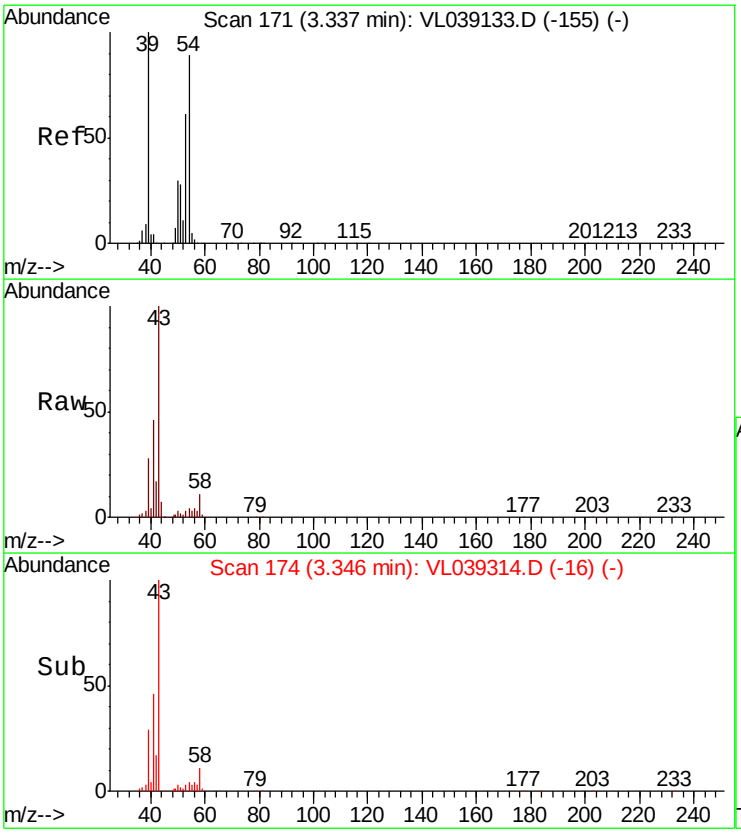
#15
Acetone
Concen: 9.787 ppbv
RT: 3.84
Delta R.T
Lab File:
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 1250030

Ion	Ratio	Lower	Upper
43	100		
58	26.0	22.5	33.7

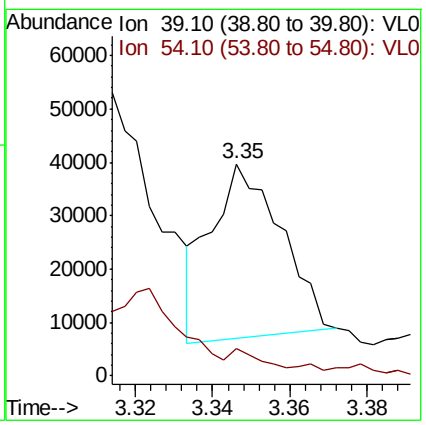


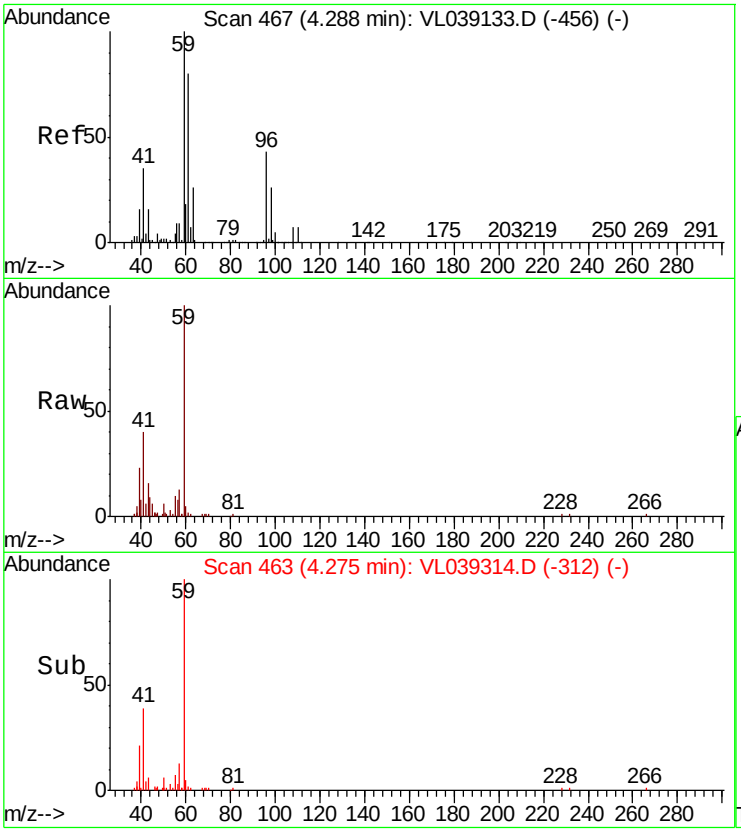


#16
1,3-Butadiene
Concen: 0.600 ppbv
RT: 3.35 min Scan# 174
Delta R.T. 0.01 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion: 39 Resp: 41165

Ion	Ratio	Lower	Upper
39	100		
54	73.9	65.8	98.6



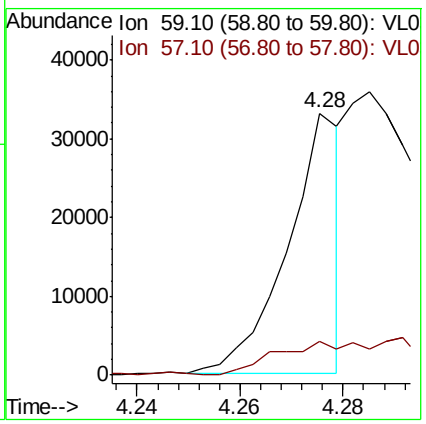


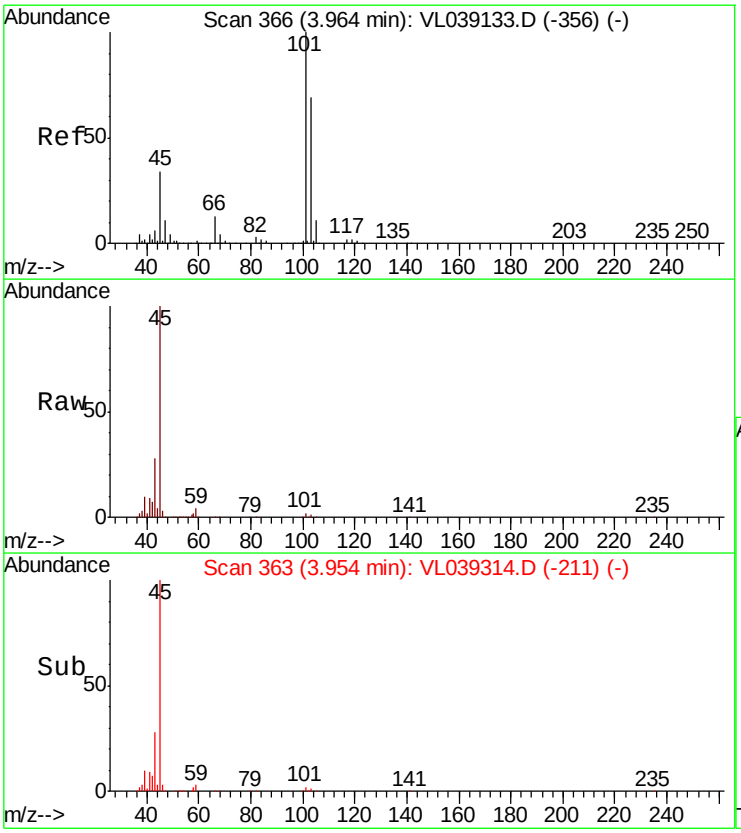
#17
tert-Butyl alcohol
Concen: 0.237 ppbv
RT: 4.28
Delta R.T
Lab File:
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 59 Resp: 23467

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.1	13.7#

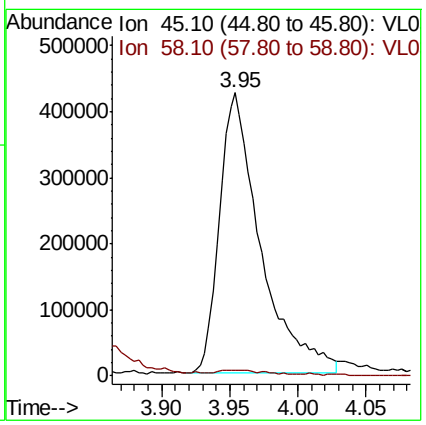


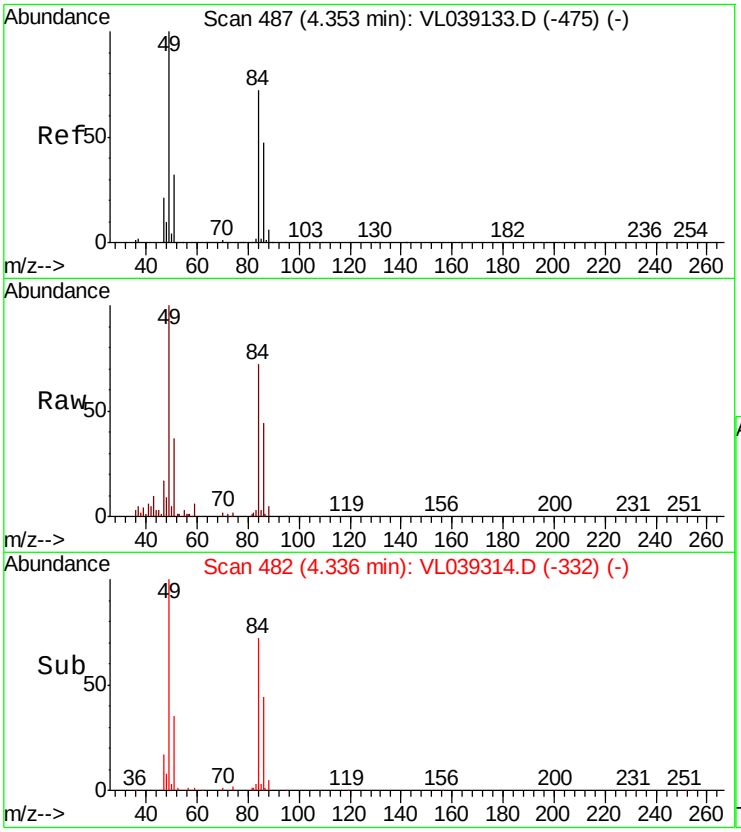


#19
Isopropyl Alcohol
Concen: 14.860 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.01 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion: 45 Resp: 890198

Ion	Ratio	Lower	Upper
45	100		
58	2.8	1.8	2.8#



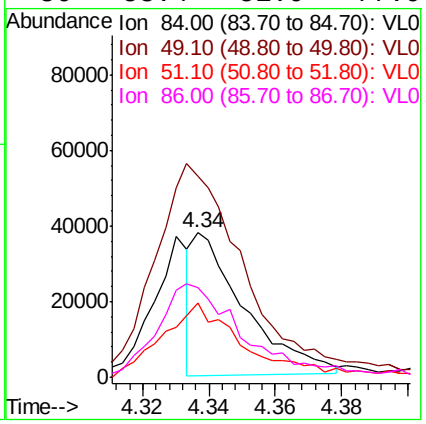


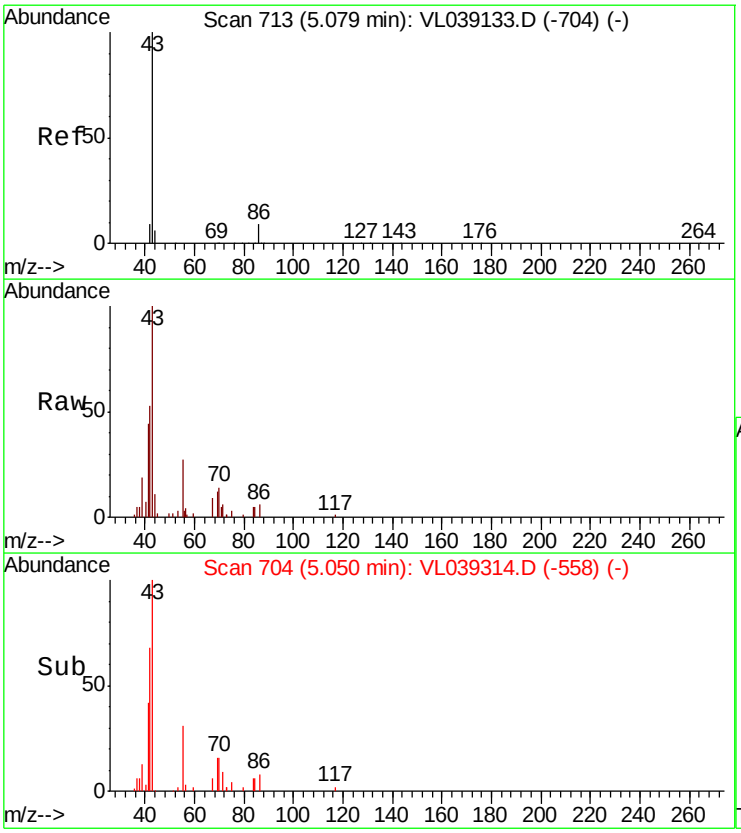
#20
Methylene Chloride
Concen: 0.752 ppbv
RT: 4.34
Delta R.T
Lab File:
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 84 Resp: 40474

Ion	Ratio	Lower	Upper
84	100		
49	134.6	111.1	166.7
51	48.4	35.3	52.9
86	58.4	51.9	77.9

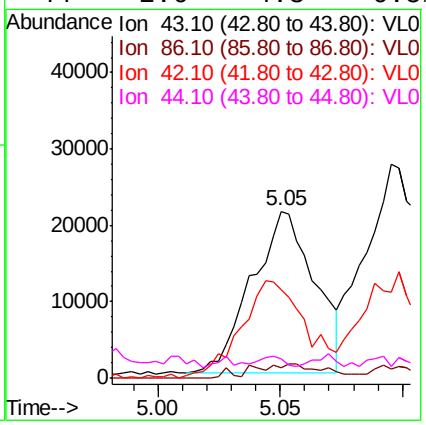


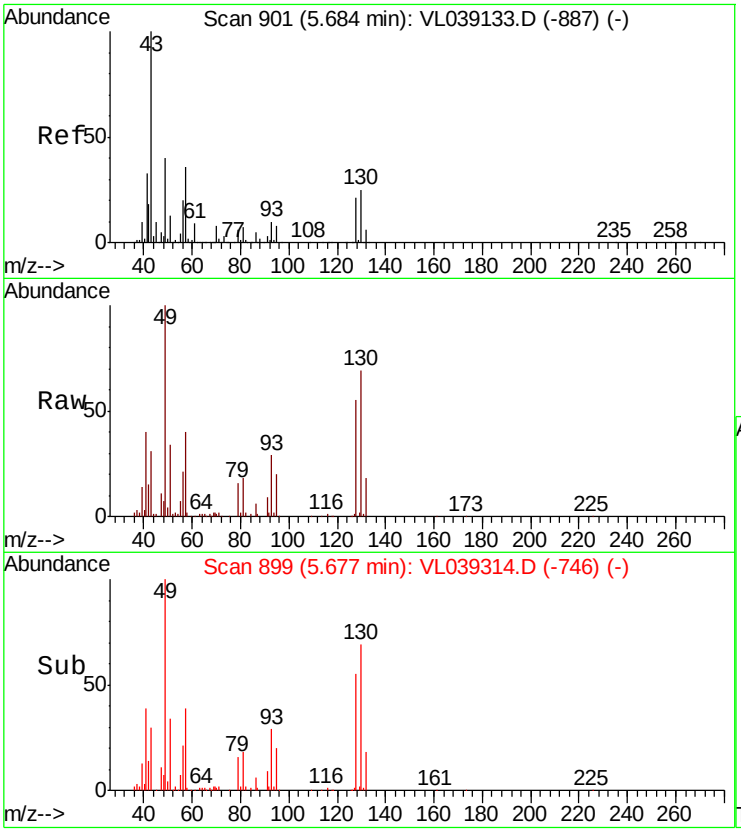


#23
Vinyl Acetate
Concen: 0.360 ppbv
RT: 5.05 min Scan# 704
Delta R.T. -0.03 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion: 43 Resp: 38084

Ion	Ratio	Lower	Upper
43	100		
86	6.3	6.0	9.0
42	53.2	8.2	12.4#
44	2.6	4.3	6.5#



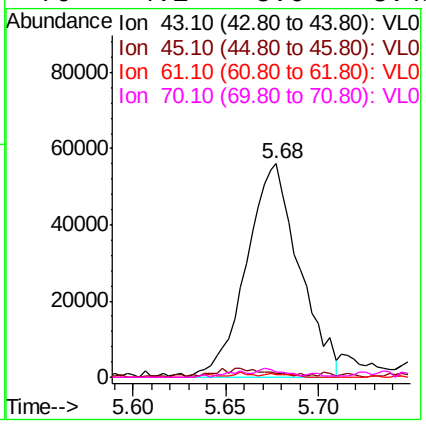


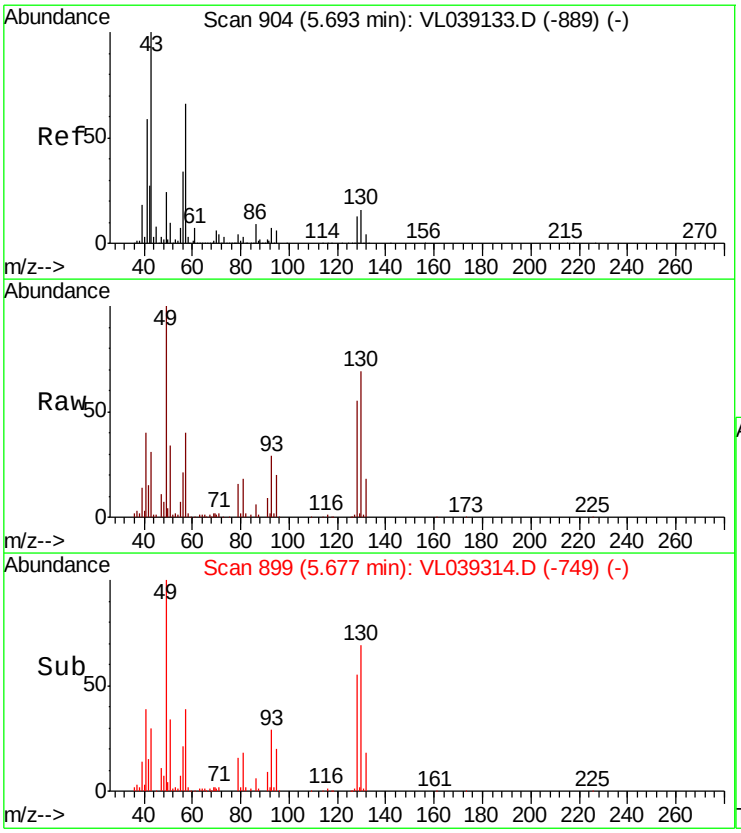
#25
Ethyl Acetate
Concen: 0.383 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 16 Jun 2022 3:25

Instrument : MSVOA_L
ClientSampleId : SV1

Tgt Ion: 43 Resp: 110217

Ion	Ratio	Lower	Upper
43	100		
45	4.6	8.2	12.2#
61	1.8	8.4	12.6#
70	4.1	5.6	8.4#

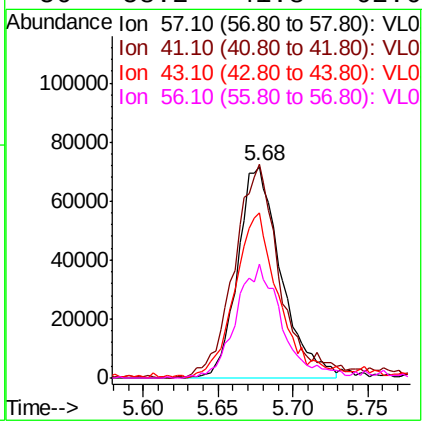


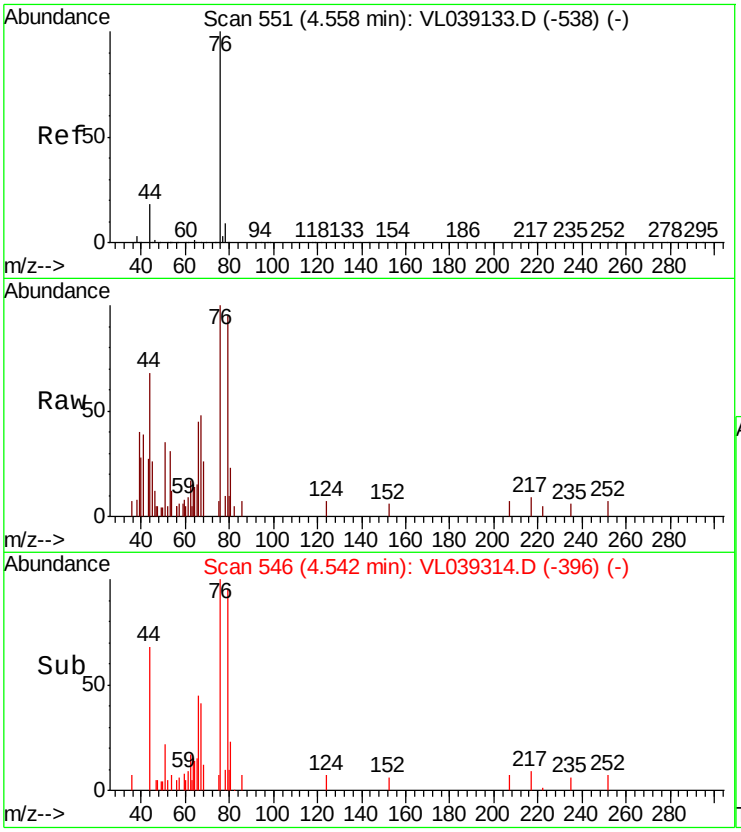


#26
Hexane
Concen: 1.139 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.02 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion: 57 Resp: 144104

Ion	Ratio	Lower	Upper
57	100		
41	112.4	72.4	108.6#
43	84.6	187.0	280.6#
56	58.2	41.8	62.6



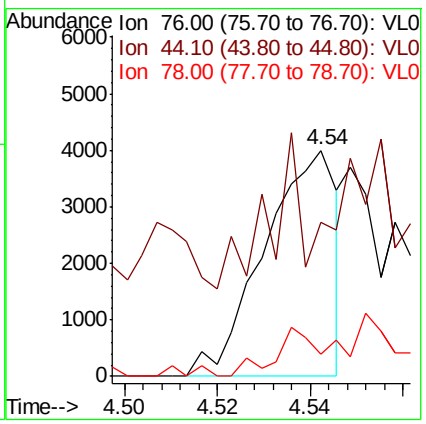


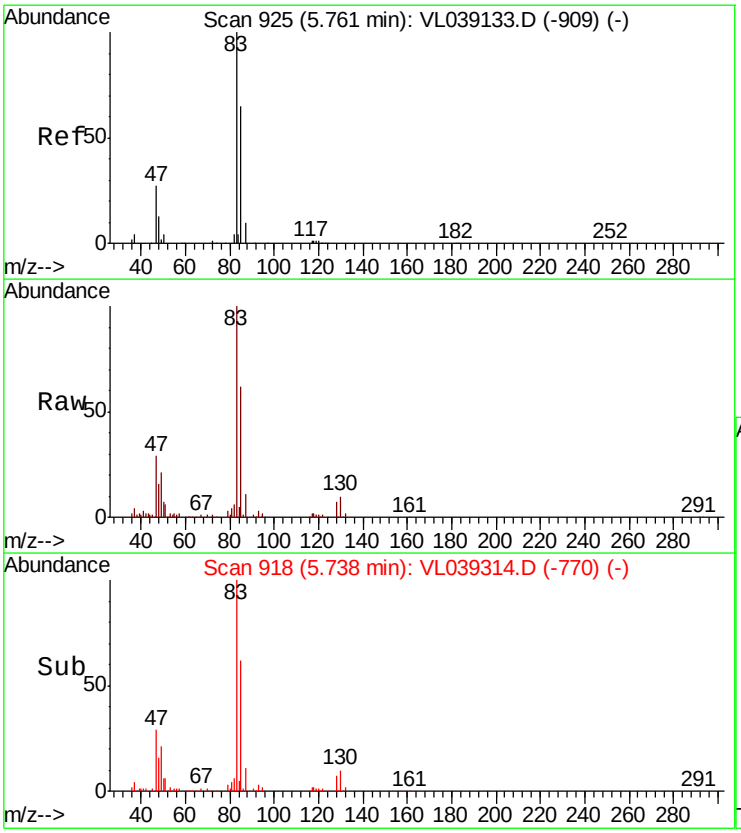
#27
Carbon Disulfide
Concen: 0.033 ppbv
RT: 4.54
Delta R.T
Lab File:
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 76 Resp: 4317

Ion	Ratio	Lower	Upper
76	100		
44	75.9	14.4	21.6#
78	0.0	7.7	11.5#

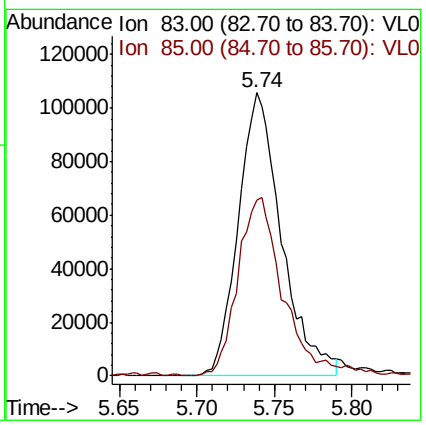


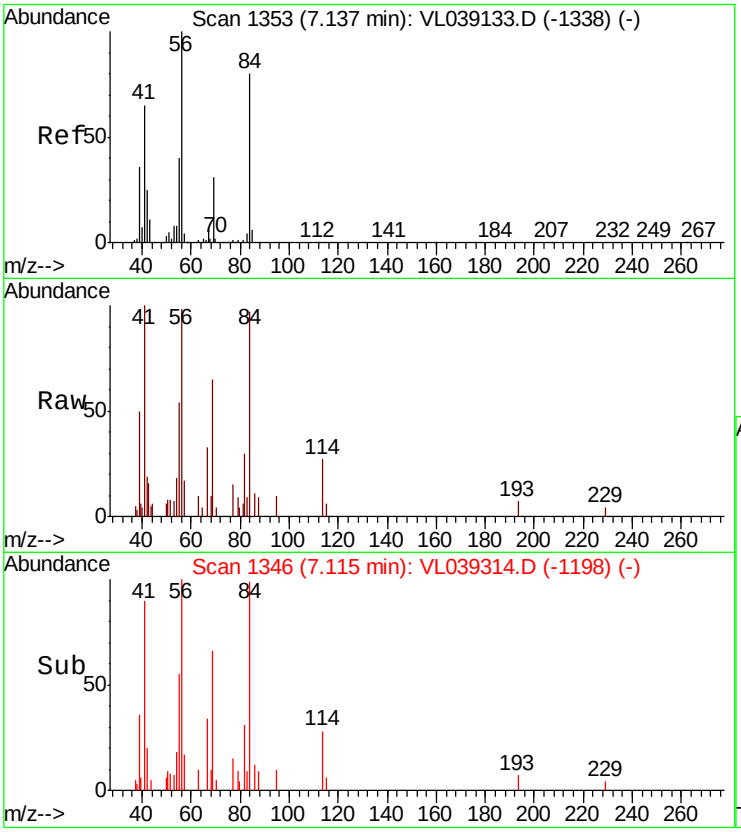


#29
Chloroform
Concen: 0.967 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.02 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion: 83 Resp: 205929

Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.4	78.6



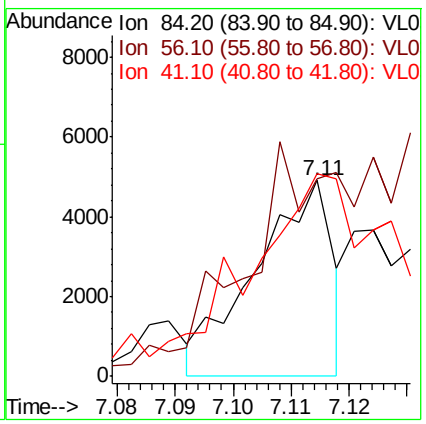


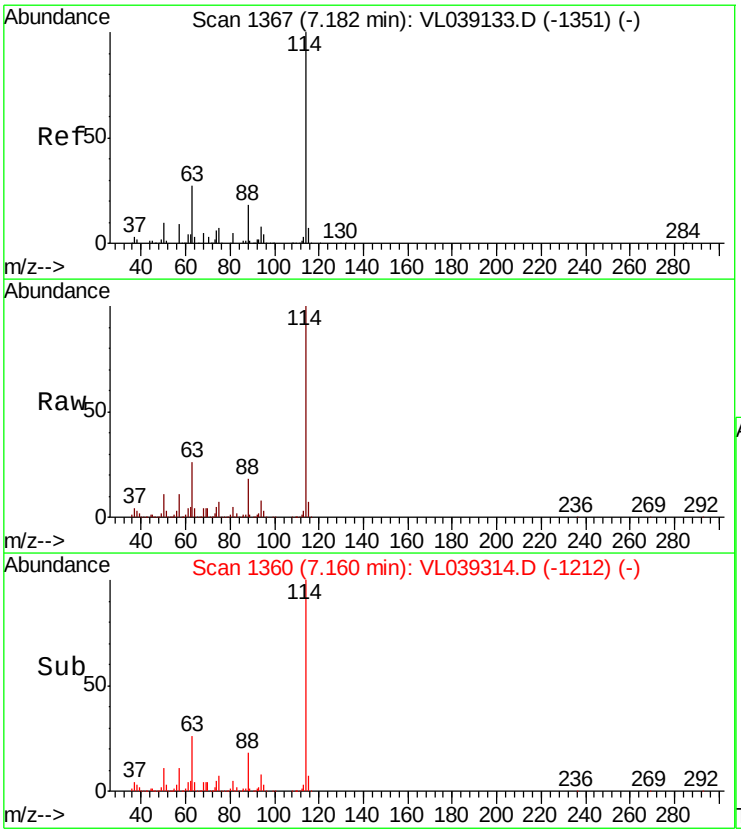
#30
Cyclohexane
Concen: 0.043 ppbv
RT: 7.11
Delta R.T
Lab File:
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 84 Resp: 4522

Ion	Ratio	Lower	Upper
84	100		
56	0.0	110.6	165.8#
41	176.7	68.9	103.3#

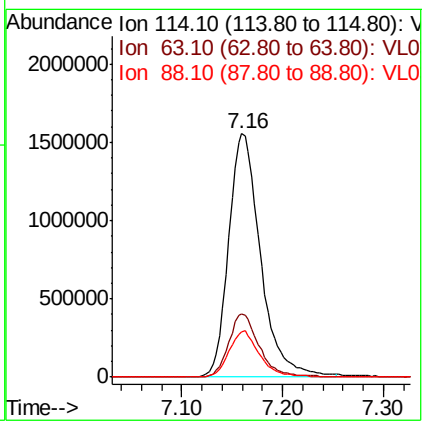


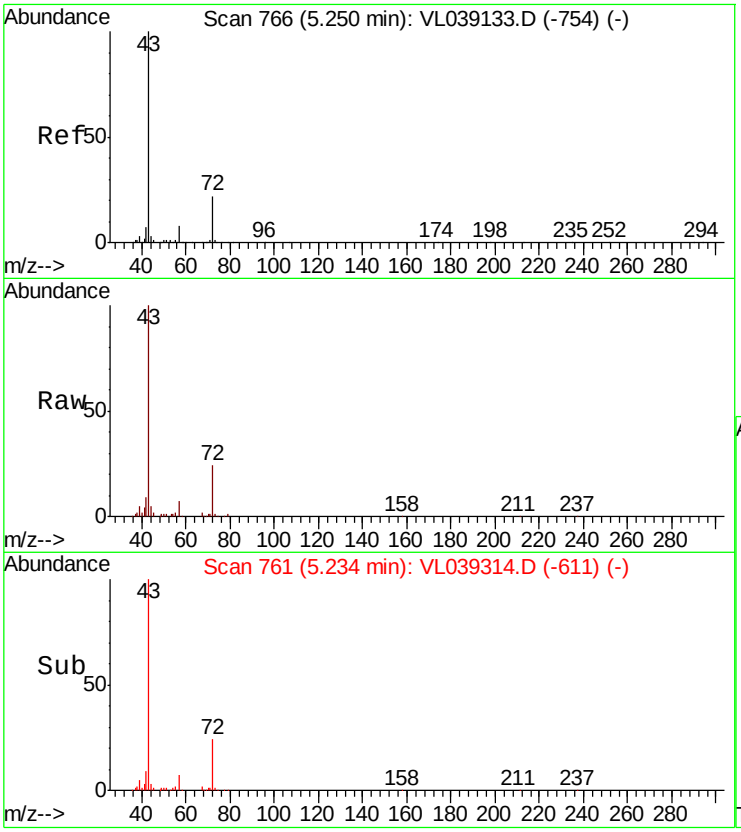


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.02 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion:114 Resp: 3424465

Ion	Ratio	Lower	Upper
114	100		
63	25.2	21.7	32.5
88	18.3	14.8	22.2



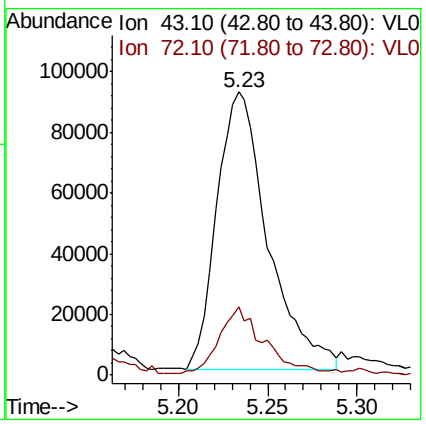


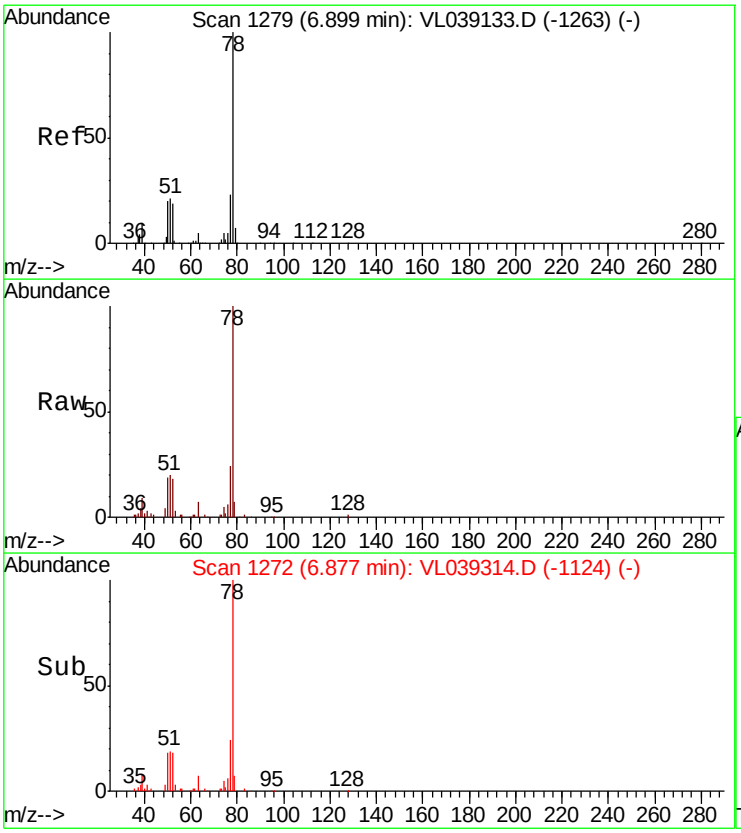
#34
2-Butanone
Concen: 0.981 ppbv
RT: 5.23
Delta R.T
Lab File:
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 182441

Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.2	27.2

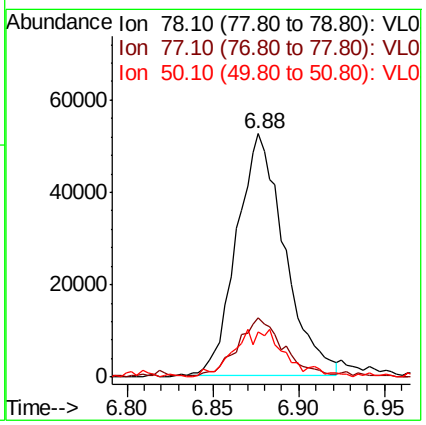


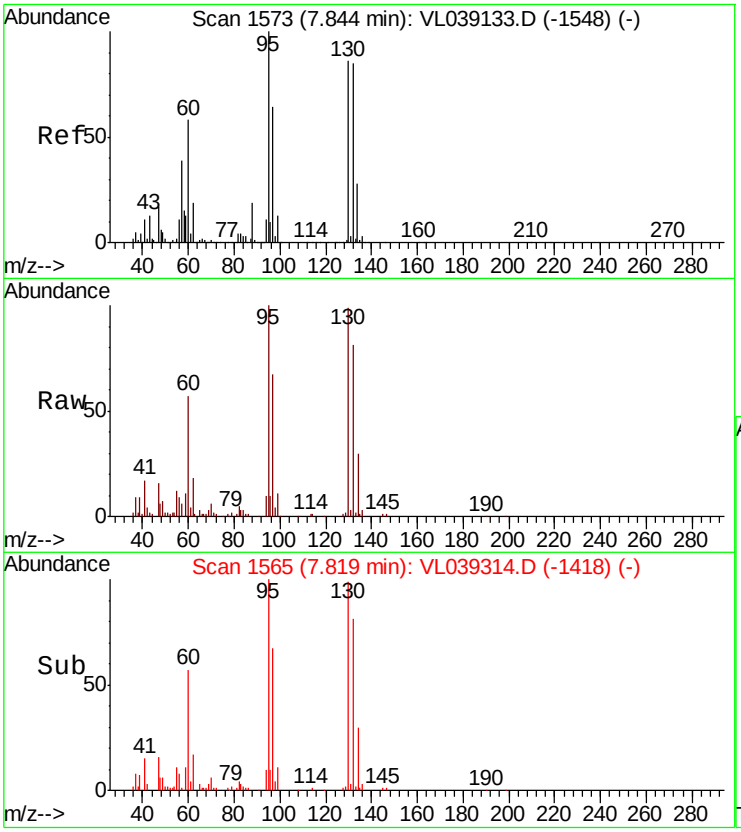


#36
Benzene
Concen: 0.365 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. -0.02 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion: 78 Resp: 101454

Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.6	27.8
50	18.9	15.8	23.8



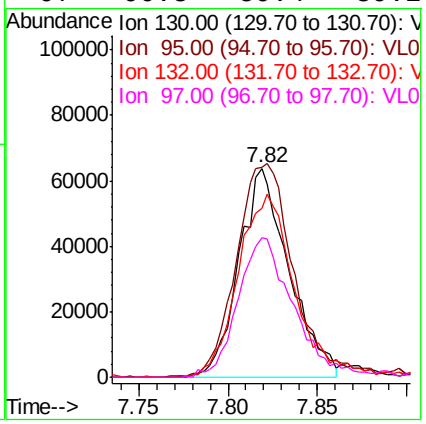


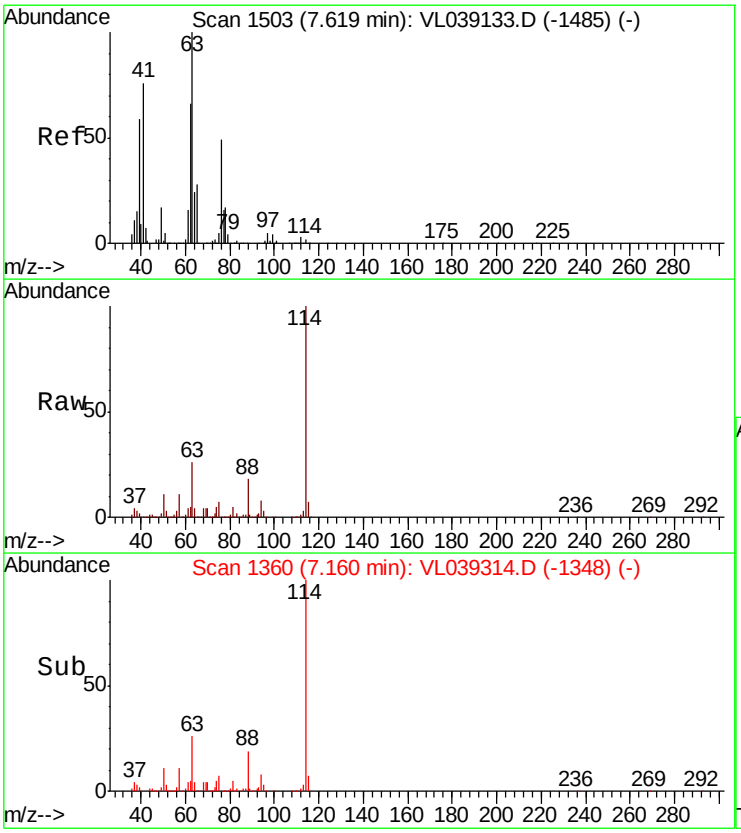
#38
Trichloroethene
Concen: 0.968 ppbv
RT: 7.82
Delta R.T
Lab File:
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:130 Resp: 123614

Ion	Ratio	Lower	Upper
130	100		
95	100.2	93.3	139.9
132	81.0	79.0	118.4
97	66.8	59.4	89.2

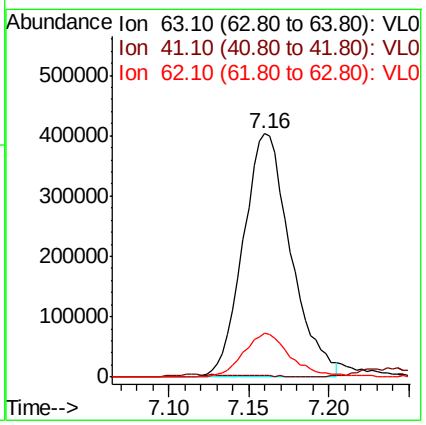


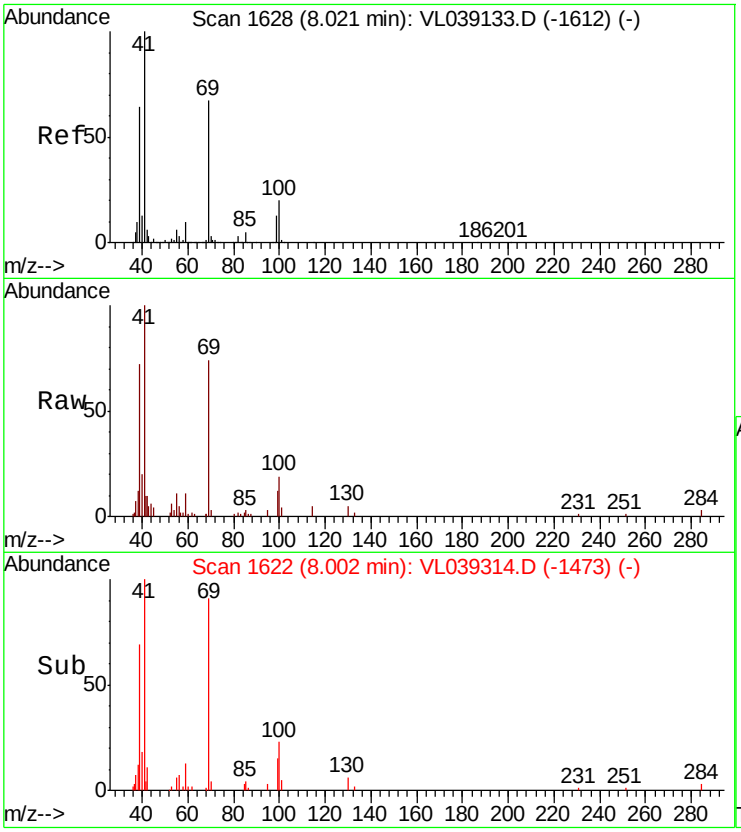


#39
1,2-Dichloropropane
Concen: 7.468 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.46 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion: 63 Resp: 825887

Ion	Ratio	Lower	Upper
63	100		
41	0.1	60.8	91.2#
62	17.9	52.9	79.3#



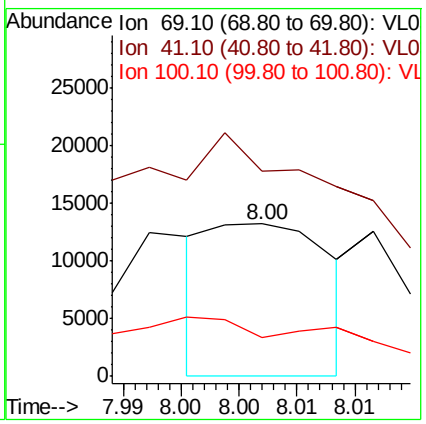


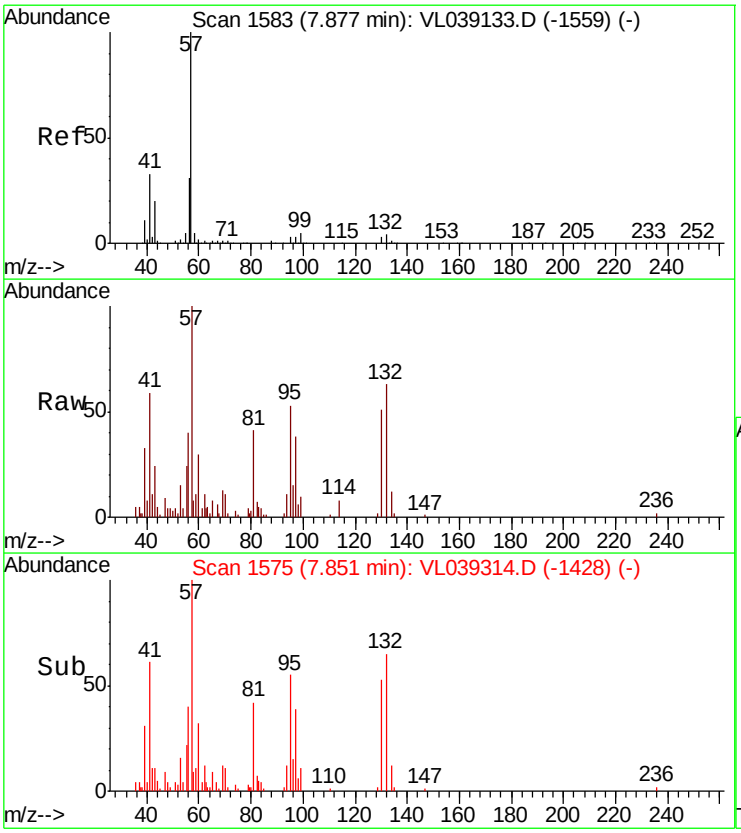
#43
Methyl Methacrylate
Concen: 0.087 ppbv
RT: 8.00
Delta R.T
Lab File:
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 69 Resp: 9450

Ion	Ratio	Lower	Upper
69	100		
41	709.1	121.9	182.9#
100	106.3	24.1	36.1#

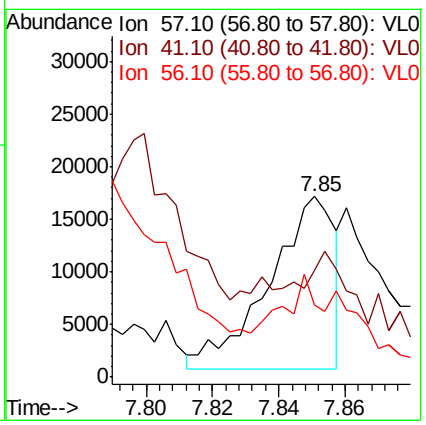


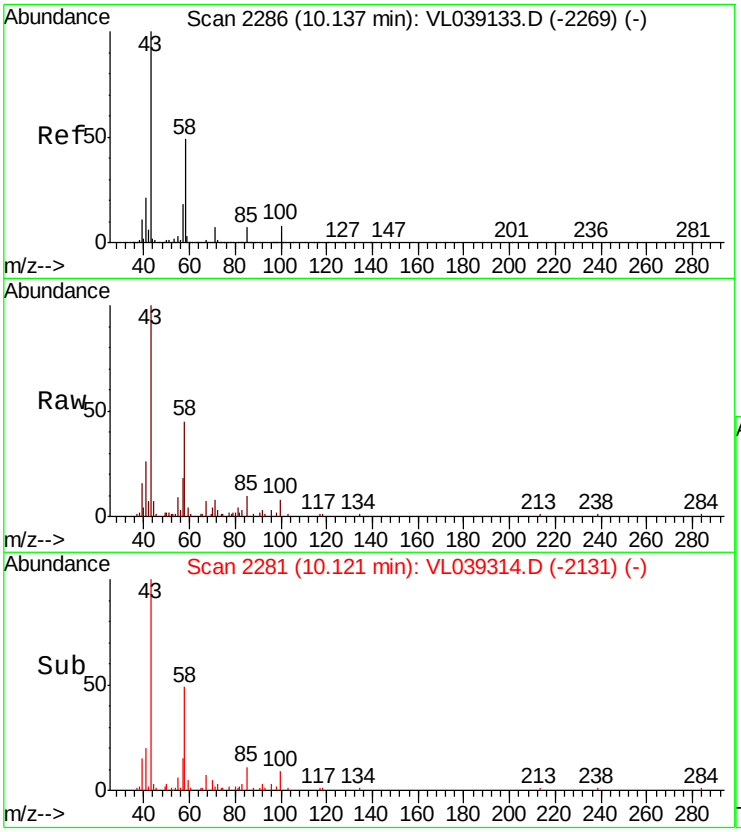


#44
2,2,4-Trimethylpentane
Concen: 0.046 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.03 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion: 57 Resp: 22493

Ion	Ratio	Lower	Upper
57	100		
41	118.1	26.2	39.4#
56	93.4	24.7	37.1#



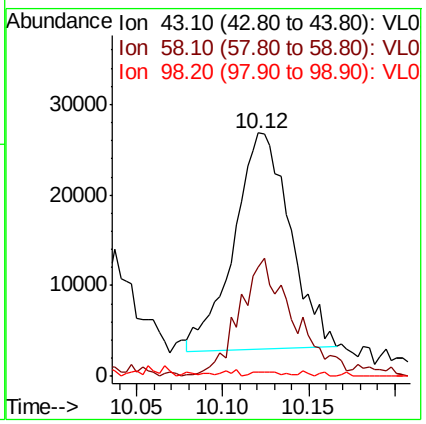


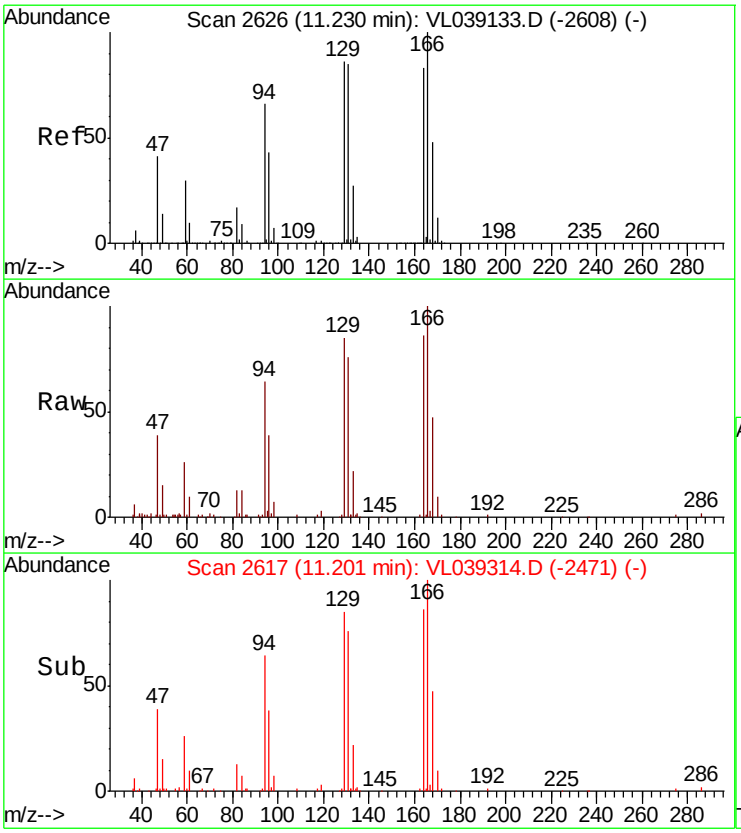
#51
2-Hexanone
Concen: 0.249 ppbv
RT: 10.12
Delta R.T
Lab File:
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 53962

Ion	Ratio	Lower	Upper
43	100		
58	55.8	40.0	60.0
98	2.6	0.1	0.1#

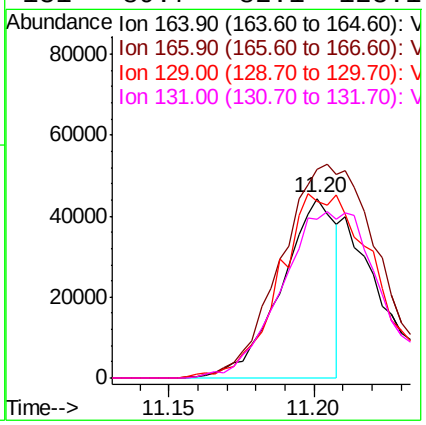


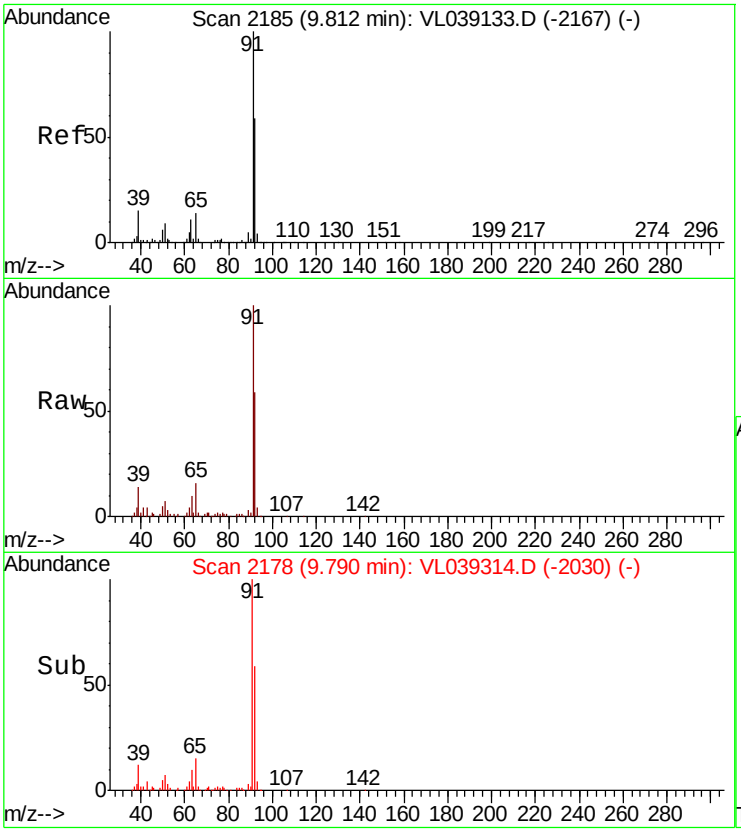


#52
Tetrachloroethene
Concen: 0.528 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.03 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion:164 Resp: 57306

Ion	Ratio	Lower	Upper
164	100		
166	115.9	96.3	144.5
129	97.9	82.5	123.7
131	89.7	82.1	123.1



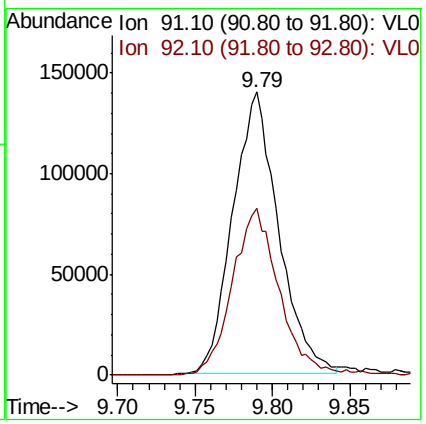


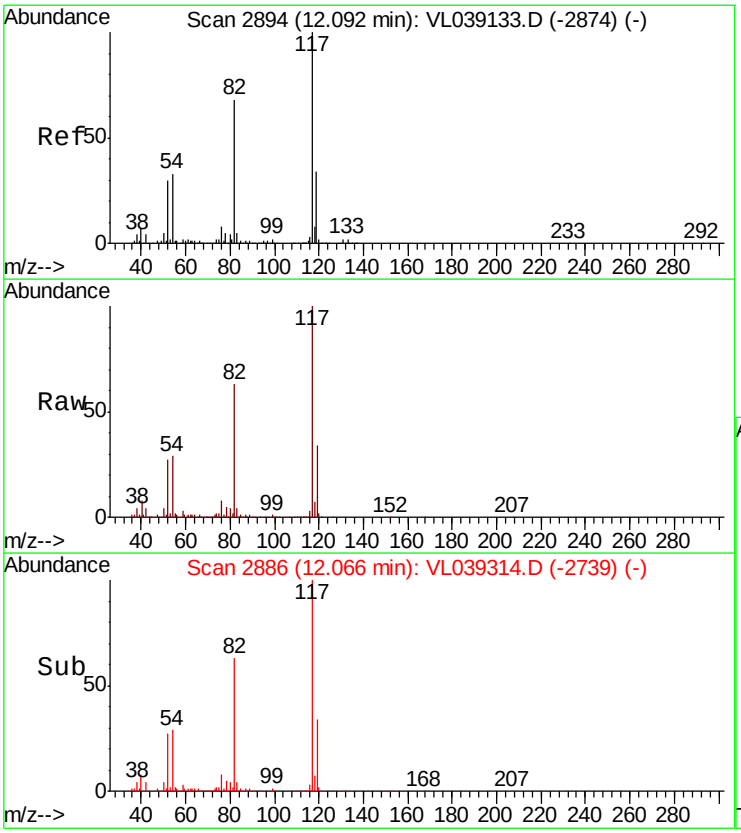
#53
Toluene
Concen: 0.901 ppbv
RT: 9.79
Delta R.T
Lab File:
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 288447

Ion	Ratio	Lower	Upper
91	100		
92	61.0	48.1	72.1

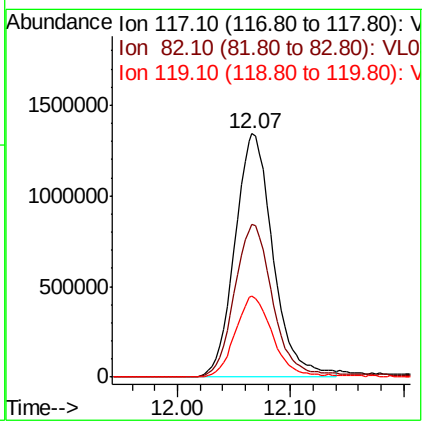


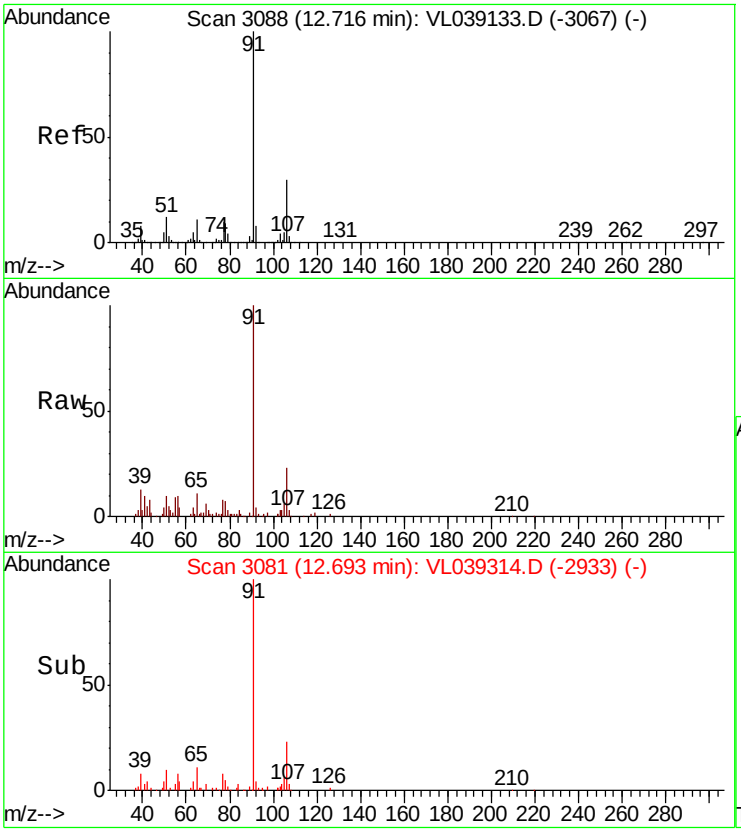


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.03 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion:117 Resp: 3146425

Ion	Ratio	Lower	Upper
117	100		
82	65.5	55.1	82.7
119	33.5	24.7	37.1



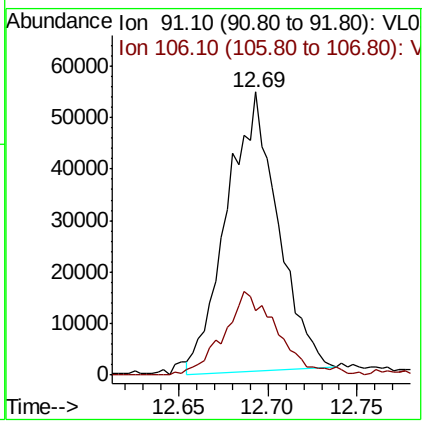


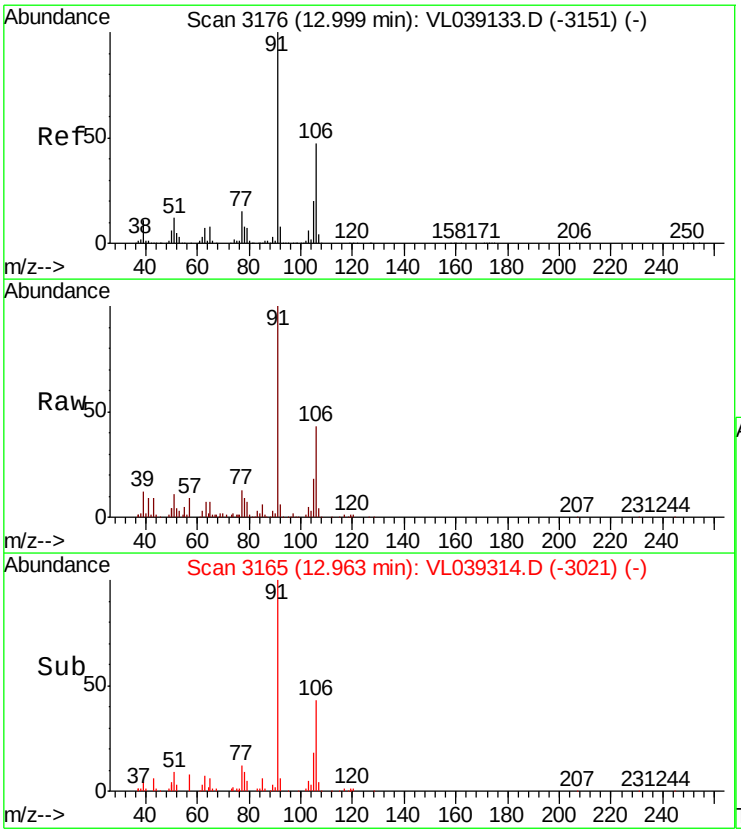
#58
Ethyl Benzene
Concen: 0.249 ppbv
RT: 12.69
Delta R.T
Lab File:
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 108006

Ion	Ratio	Lower	Upper
91	100		
106	21.5	24.2	36.4#

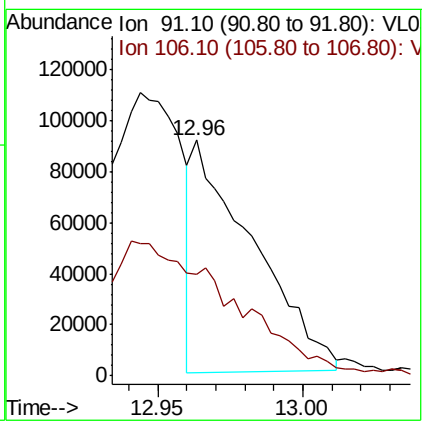


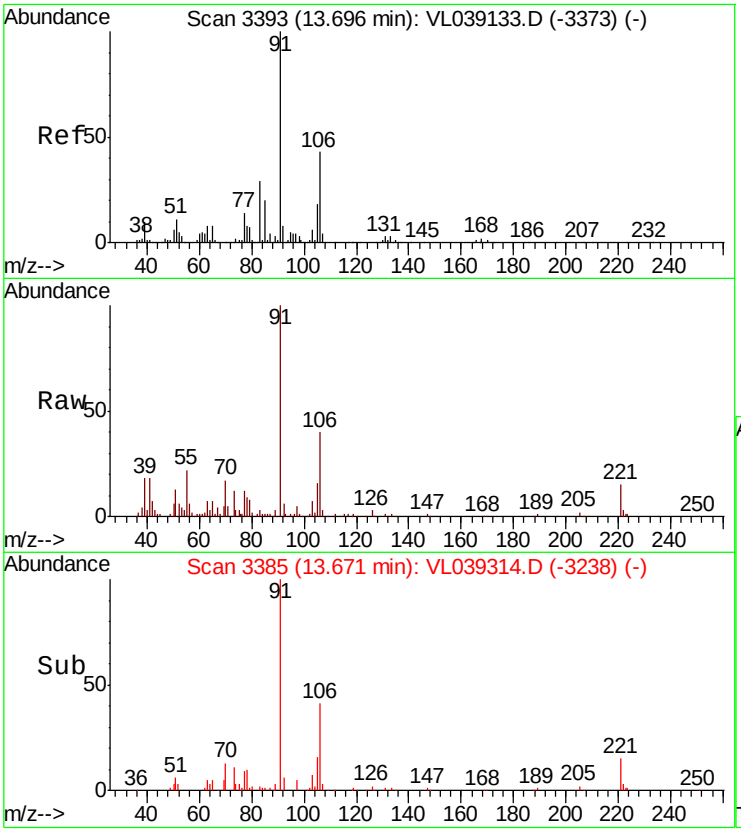


#59
m/p-Xylene
Concen: 0.345 ppbv
RT: 12.96 min Scan# 3165
Delta R.T. -0.04 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion: 91 Resp: 131569

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.3	51.5#



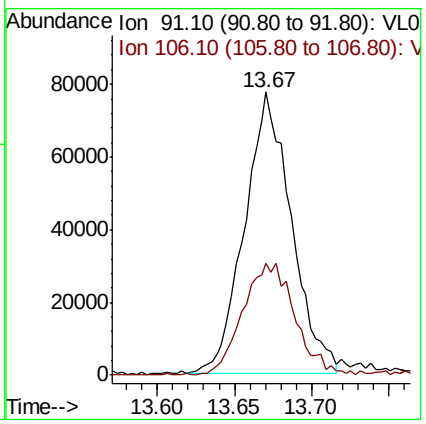


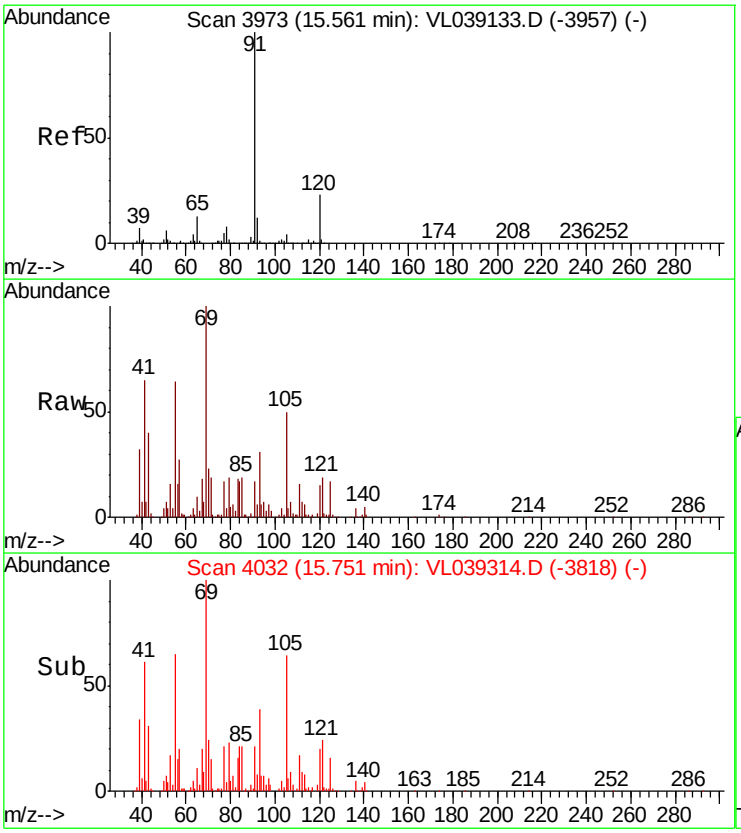
#60
o-Xylene
Concen: 0.452 ppbv
RT: 13.67
Delta R.T
Lab File:
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 161933

Ion	Ratio	Lower	Upper
91	100		
106	44.7	22.3	66.9

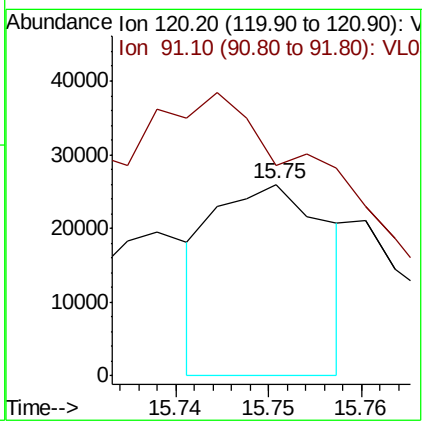


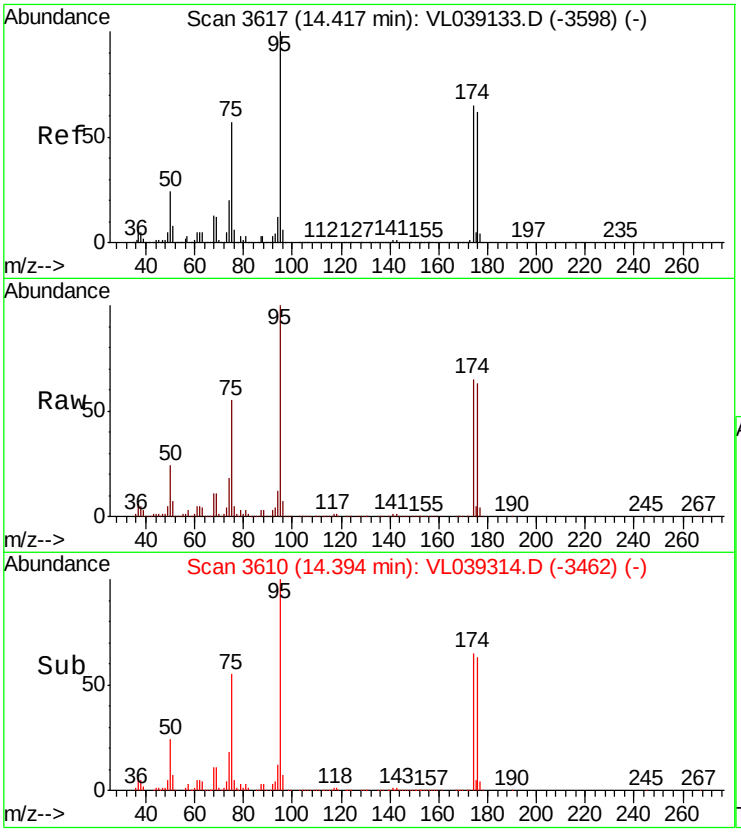


#64
n-propylbenzene
Concen: 0.169 ppbv
RT: 15.75 min Scan# 4032
Delta R.T. 0.19 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion:120 Resp: 22202

Ion	Ratio	Lower	Upper
120	100		
91	404.0	388.4	582.6



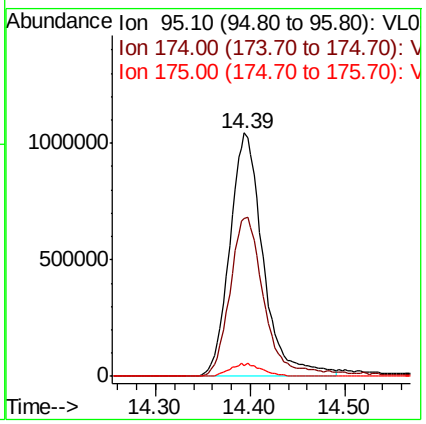


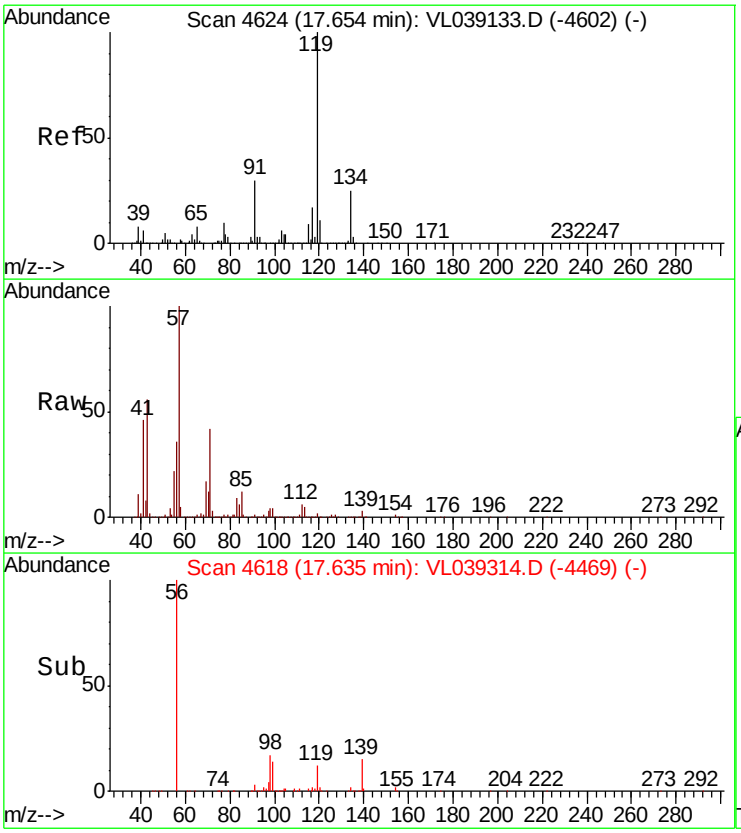
#68
1-Bromo-4-Fluorobenzene
Concen: 9.847 ppbv
RT: 14.39
Delta R.T
Lab File:
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 95 Resp: 2561391

Ion	Ratio	Lower	Upper
95	100		
174	69.4	53.8	80.8
175	5.2	4.1	6.1

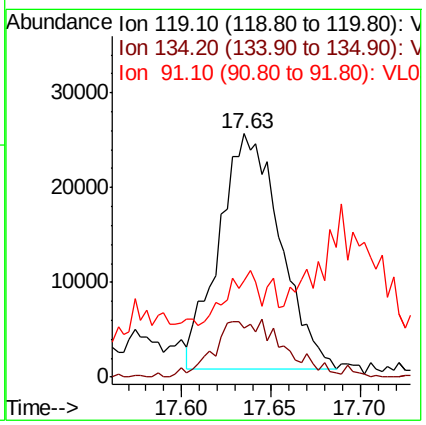


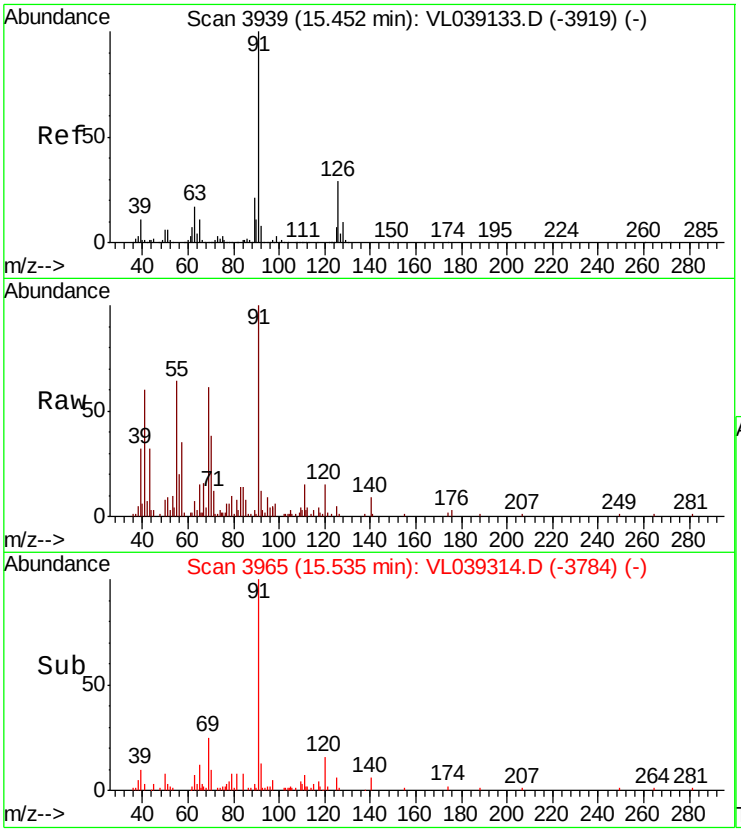


#69
p-Isopropyltoluene
Concen: 0.106 ppbv
RT: 17.63 min Scan# 4618
Delta R.T. -0.02 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion:119 Resp: 59258

Ion	Ratio	Lower	Upper
119	100		
134	28.2	20.4	30.6
91	31.5	24.2	36.4



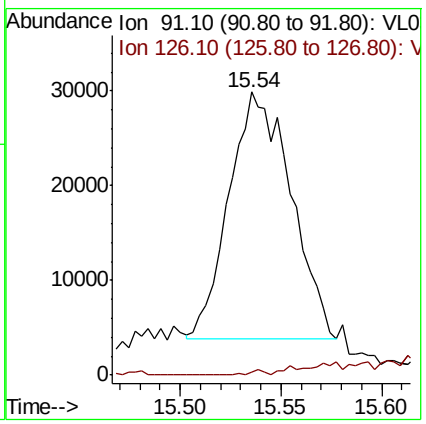


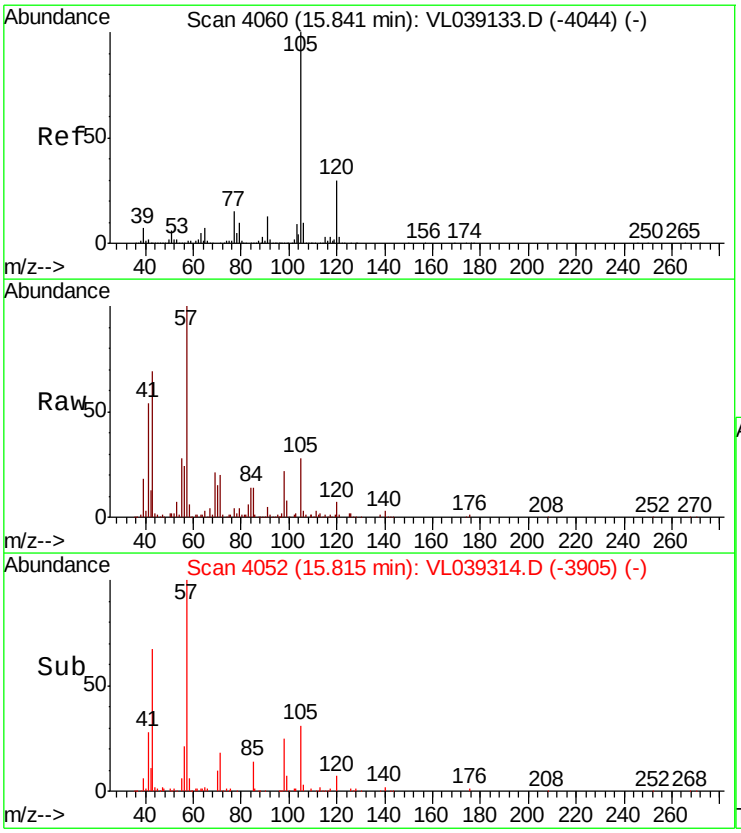
#71
2-Chlorotoluene
Concen: 0.137 ppbv
RT: 15.54
Delta R.T
Lab File:
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 91 Resp: 55667

Ion	Ratio	Lower	Upper
91	100		
126	5.6	12.2	48.6#

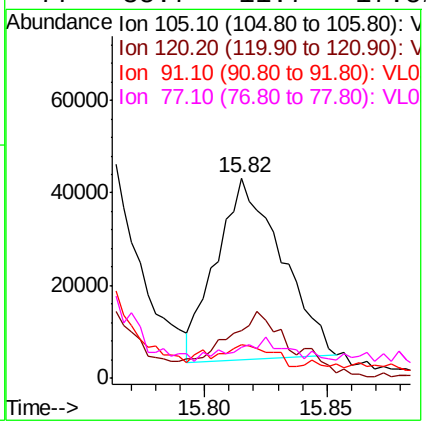


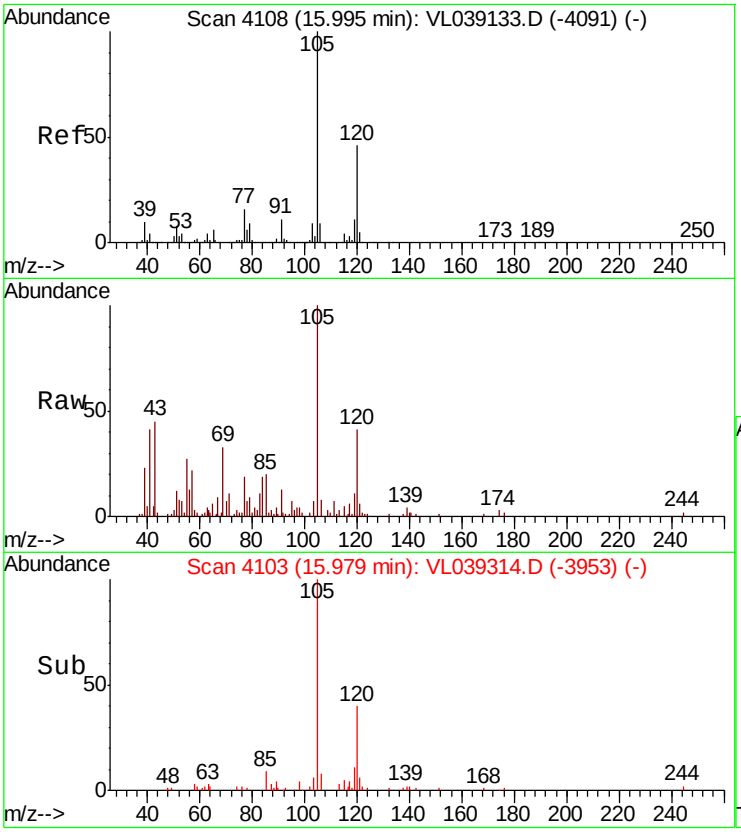


#72
4-Ethyltoluene
Concen: 0.173 ppbv
RT: 15.82 min Scan# 4052
Delta R.T. -0.03 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion:105 Resp: 72530

Ion	Ratio	Lower	Upper
105	100		
120	40.0	23.9	35.9#
91	0.0	10.6	16.0#
77	35.7	11.7	17.5#



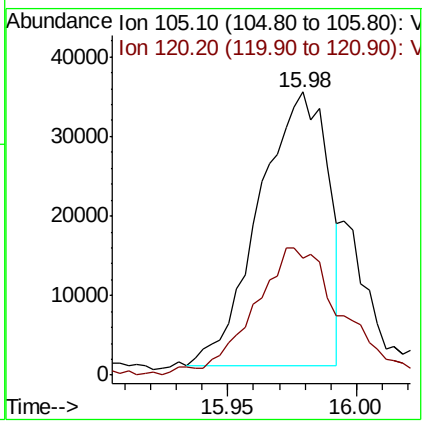


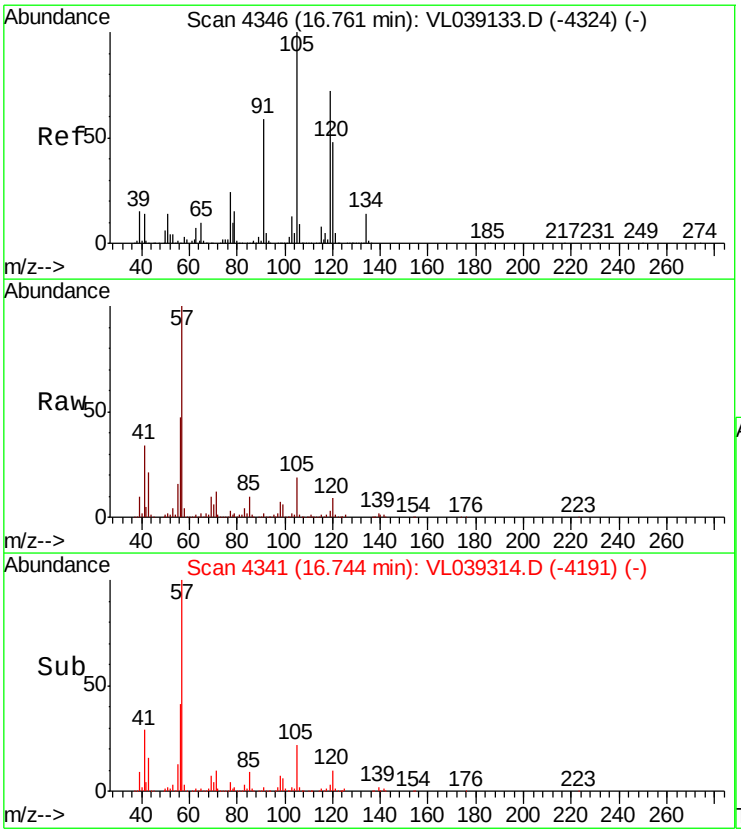
#73
1,3,5-Trimethylbenzene
Concen: 0.169 ppbv
RT: 15.98
Delta R.T
Lab File:
Acq: 16 Jun 2022 3:25

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:105 Resp: 63922

Ion	Ratio	Lower	Upper
105	100		
120	39.7	36.7	55.1

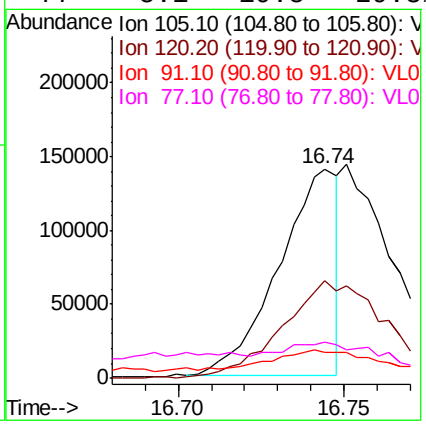


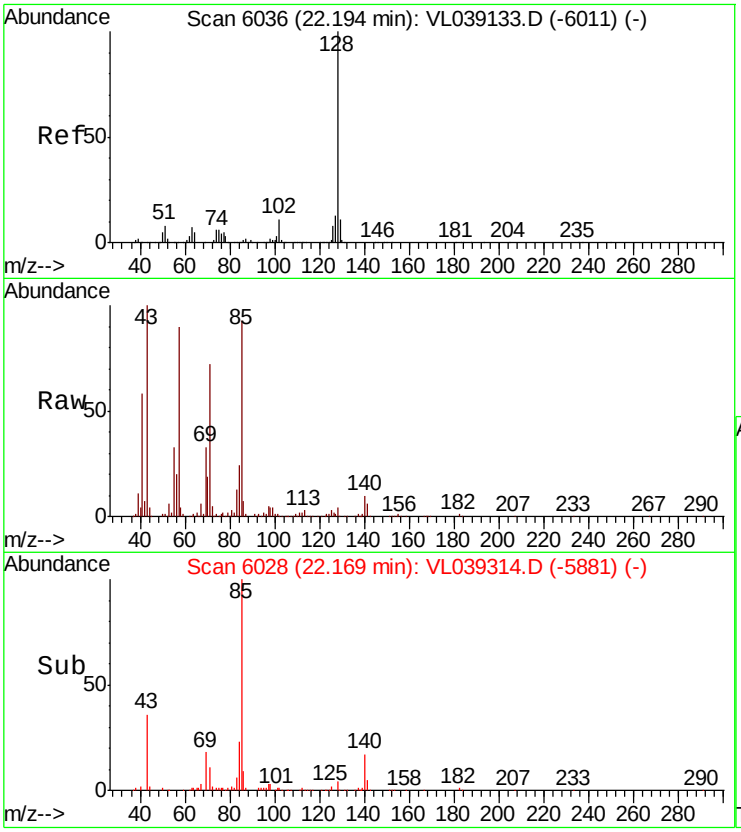


#74
1,2,4-Trimethylbenzene
Concen: 0.407 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.02 min
Lab File: VL039314.D
Acq: 16 Jun 2022 3:25

Tgt Ion:105 Resp: 172388

Ion	Ratio	Lower	Upper
105	100		
120	46.9	38.1	57.1
91	7.5	47.4	71.0#
77	5.1	19.5	29.3#





#79
Naphthalene
Concen: 0.036 ppbv
RT: 22.17
Delta R.T
Lab File:
Acq: 16 Jun 2022 3.23

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion:128 Resp: 11799

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	7.3	9.0	13.6#