Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071922\
Data File : VL039489.D
Acq On : 19 Jul 2022 19:45
Operator : SY/AP
Sample : N3750-03 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-3

Quant Time: Jul 20 05:39:38 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.68	49	1287321	10.00	ppbv		0.03
33) 1,4-Difluorobenzene	7.19	114	3512187	10.00	ppbv		0.03
55) Chlorobenzene-d5	12.10	117	3143660	10.00	ppbv		0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	2346958	10.06	ppbv		0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	7455	0.040	ppbv	#	69
3) Chlorodifluoromethane	3.00	51	5330	0.033	ppbv		96
4) Chloromethane	3.15	50	4230	0.047	ppbv	#	85
7) Chloroethane	3.56	64	2805	0.090	ppbv	#	69
9) Propene	3.03	41	275742	3.738	ppbv		87
10) Heptane	8.14	43	23695	0.137	ppbv	#	1
13) Ethanol	3.61	45	12883	3.011	ppbv		59
15) Acetone	3.86	43	1950969	12.810	ppbv		93
16) 1,3-Butadiene	3.32	39	85783	1.086	ppbv	#	49
17) tert-Butyl alcohol	4.29	59	21322	0.165	ppbv	#	19
19) Isopropyl Alcohol	3.98	45	47877	0.589	ppbv	#	88
20) Methylene Chloride	4.36	84	118552	1.953	ppbv		89
23) Vinyl Acetate	5.08	43	96221	0.945	ppbv	#	91
25) Ethyl Acetate	5.70	43	1001307	3.206	ppbv	#	76
26) Hexane	5.70	57	1445058	11.480	ppbv	#	37
27) Carbon Disulfide	4.56	76	47596	0.313	ppbv	#	67
28) Methyl tert-Butyl Ether	5.05	73	8631	0.064	ppbv	#	50
29) Chloroform	5.76	83	139337	0.637	ppbv		86
34) 2-Butanone	5.26	43	177653	1.005	ppbv	#	89
36) Benzene	6.91	78	74414	0.274	ppbv	#	92
39) 1,2-Dichloropropane	7.19	63	854177	8.412	ppbv	#	24
41) Tetrahydrofuran	5.70	42	546778	5.337	ppbv	#	48
51) 2-Hexanone	10.15	43	16528	0.082	ppbv	#	29
52) Tetrachloroethene	11.24	164	8583	0.078	ppbv		91
53) Toluene	9.82	91	131437	0.419	ppbv		98
58) Ethyl Benzene	12.97	91	13166	0.032	ppbv		91
59) m/p-Xylene	13.00	91	19764	0.055	ppbv	#	32
60) o-Xylene	13.71	91	30496	0.090	ppbv		95
71) 2-Chlorotoluene	15.33	91	482260	1.306	ppbv	#	43
74) 1,2,4-Trimethylbenzene	16.78	105	82131	0.203	ppbv	#	63

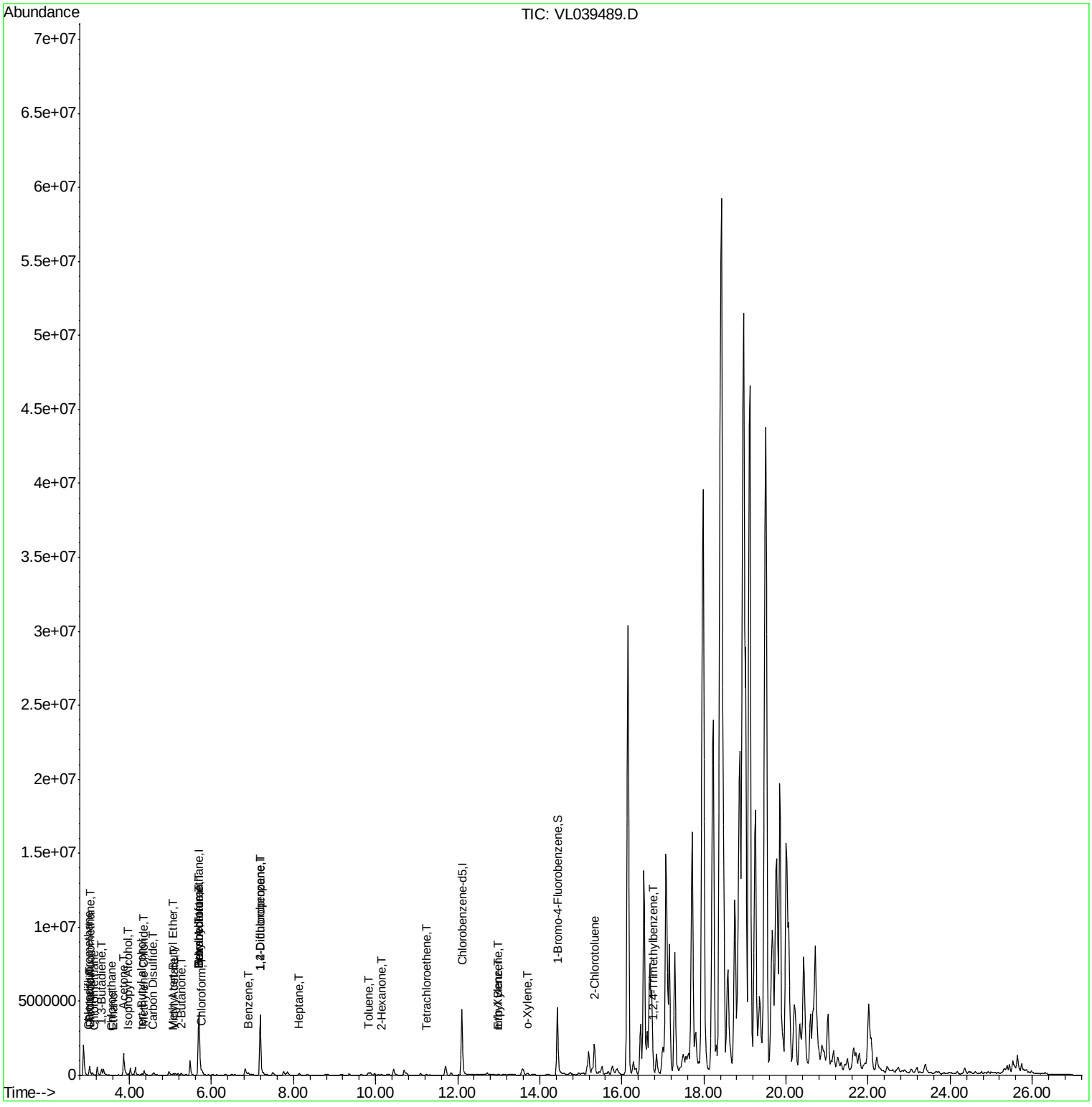
(#) = qualifier out of range (m) = manual integration (+) = signals summed

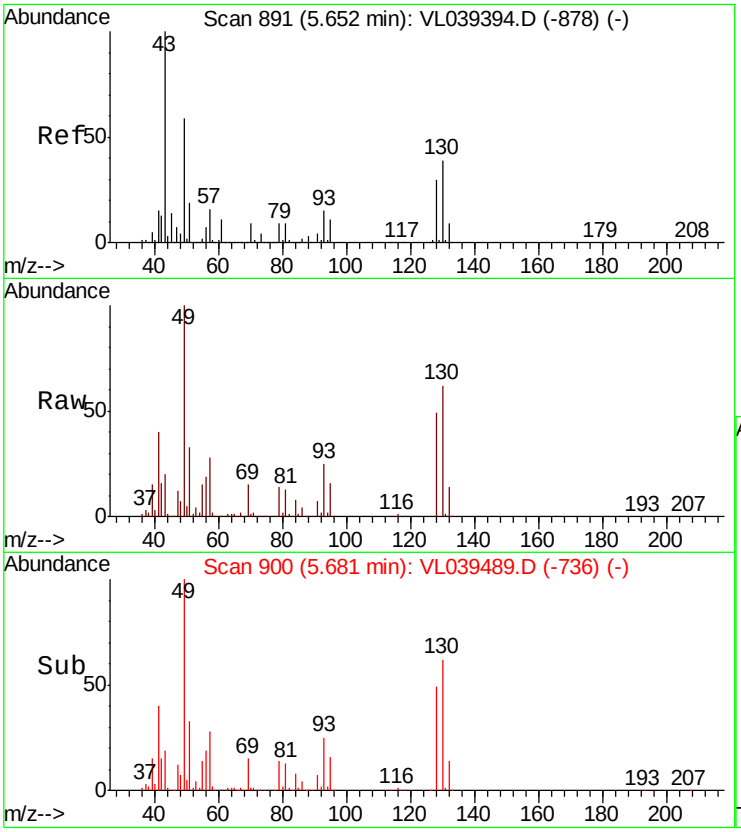
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071922\
Data File : VL039489.D
Acq On : 19 Jul 2022 19:45
Operator : SY/AP
Sample : N3750-03 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Quant Time: Jul 20 05:39:38 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration



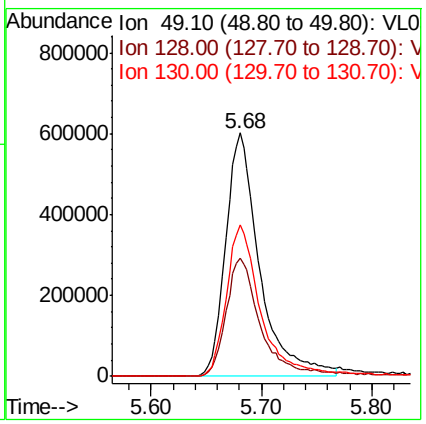


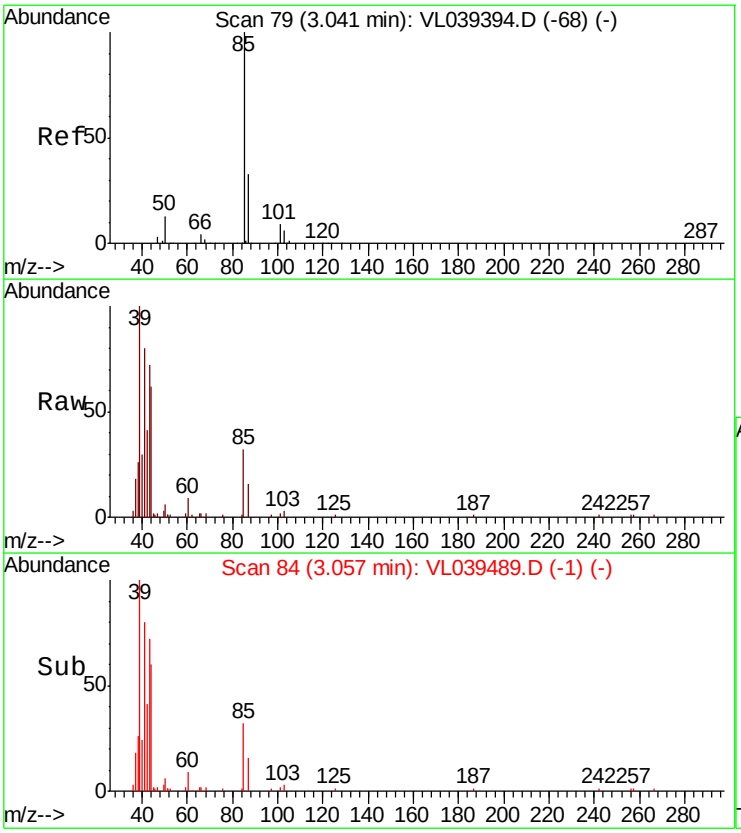
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 19 Jul 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 49 Resp: 1287321

Ion	Ratio	Lower	Upper
49	100		
128	51.0	26.7	80.0
130	64.5	34.3	102.8

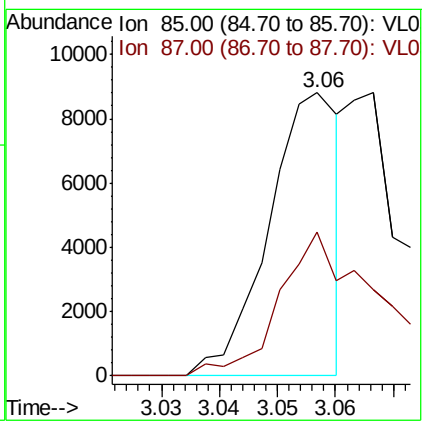


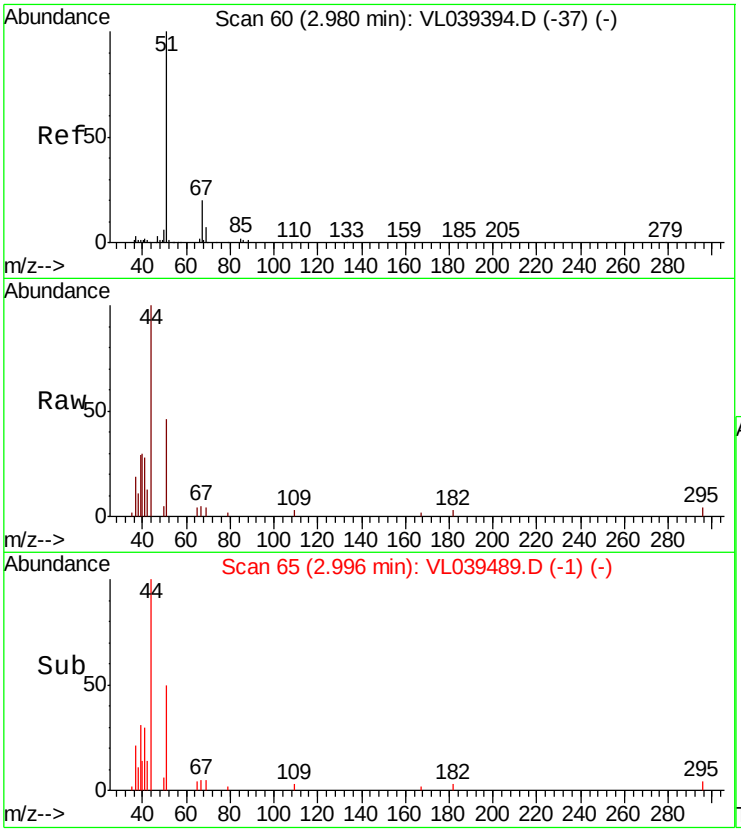


#2
Dichlorodifluoromethane
Concen: 0.040 ppbv
RT: 3.06 min Scan# 84
Delta R.T. 0.02 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

Tgt Ion: 85 Resp: 7455

Ion	Ratio	Lower	Upper
85	100		
87	50.9	26.7	40.1#



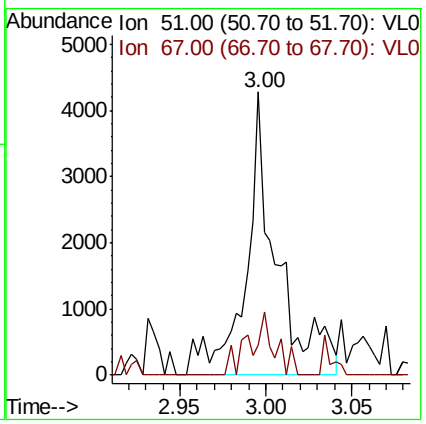


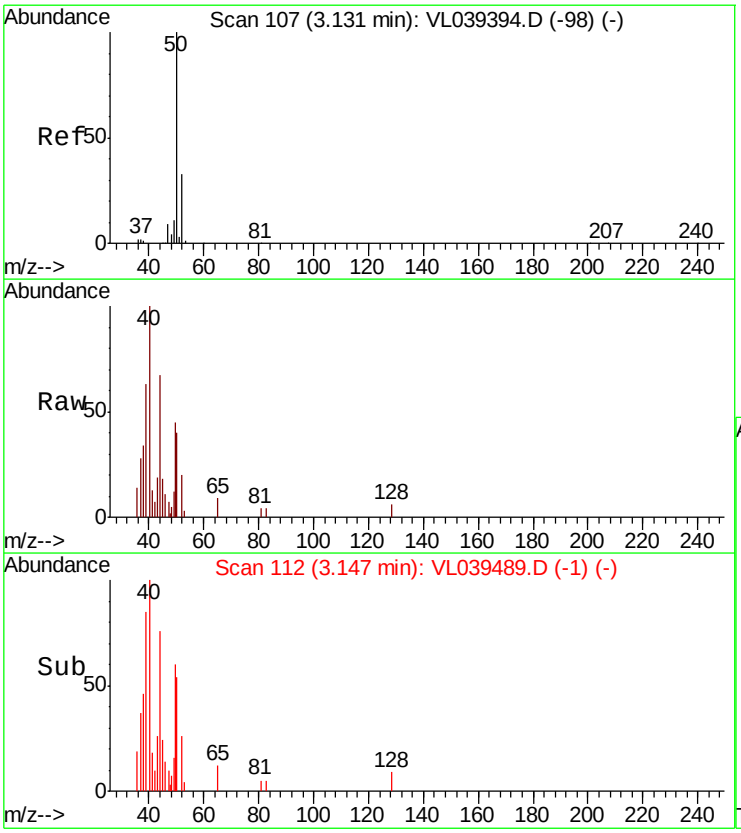
#3
Chlorodifluoromethane
Concen: 0.033 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 19 Jul 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 51 Resp: 5330

Ion	Ratio	Lower	Upper
51	100		
67	17.8	15.7	23.5

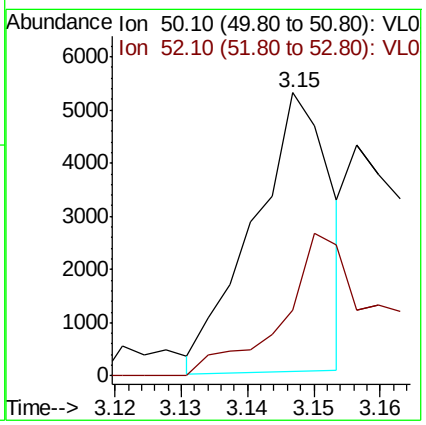


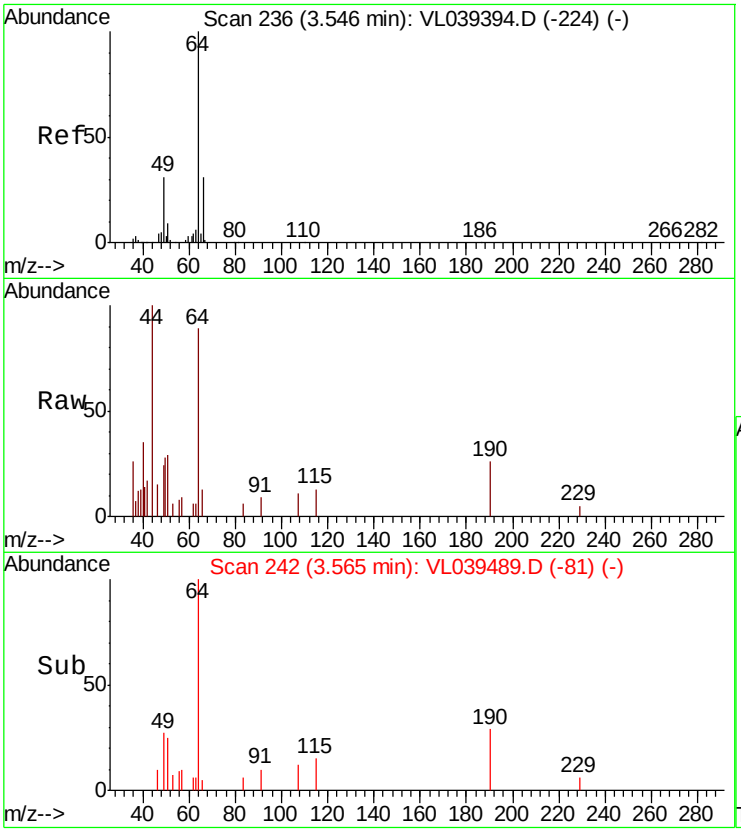


#4
Chloromethane
Concen: 0.047 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.02 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

Tgt Ion: 50 Resp: 4230

Ion	Ratio	Lower	Upper
50	100		
52	24.9	26.5	39.7#



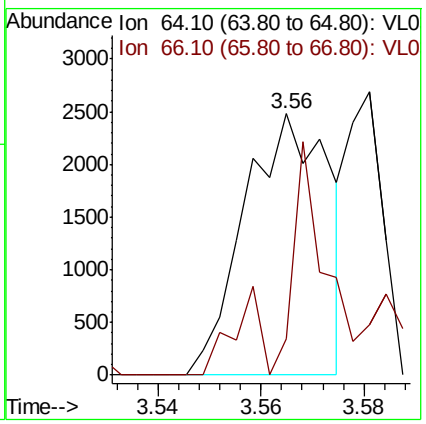


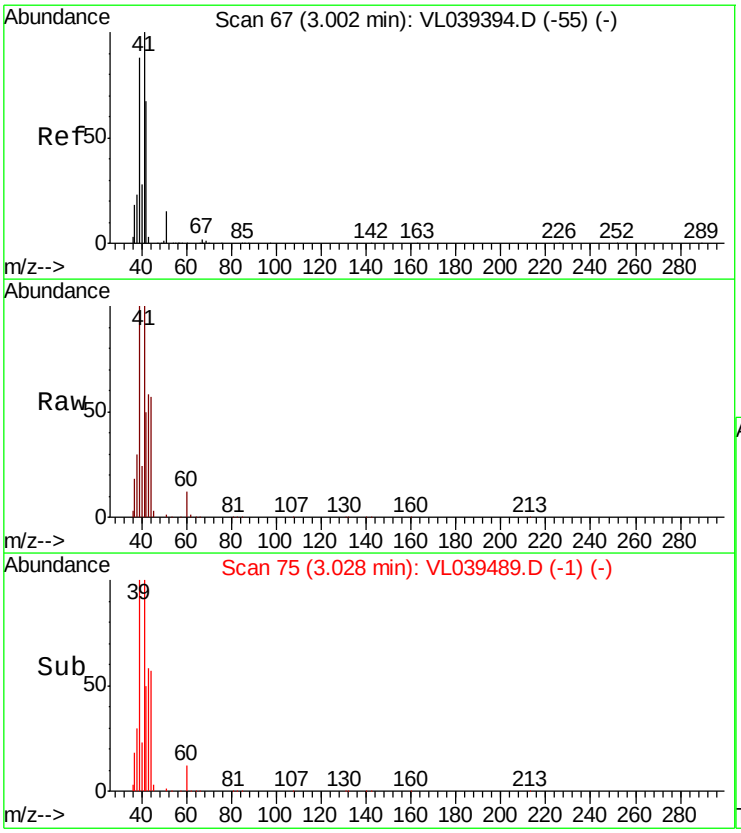
#7
Chloroethane
Concen: 0.090 ppbv
RT: 3.56
Delta R.T
Lab File:
Acq: 19 Jul 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 64 Resp: 2805

Ion	Ratio	Lower	Upper
64	100		
66	14.1	24.7	37.1#

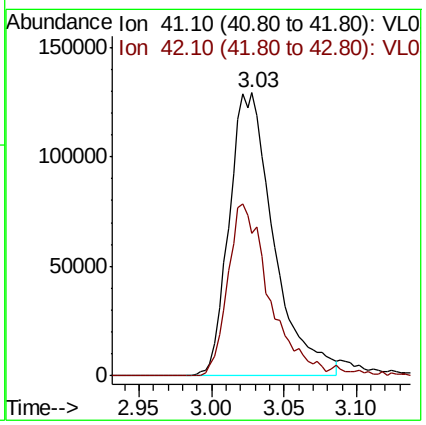


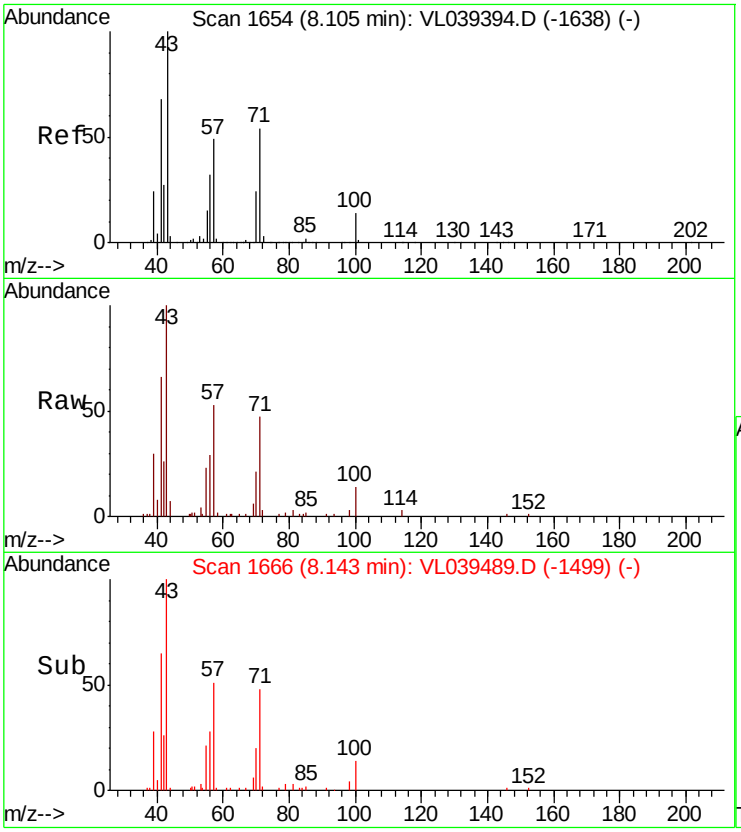


#9
Propene
Concen: 3.738 ppbv
RT: 3.03 min Scan# 75
Delta R.T. 0.03 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

Tgt Ion: 41 Resp: 275742

Ion	Ratio	Lower	Upper
41	100		
42	58.5	55.2	82.8



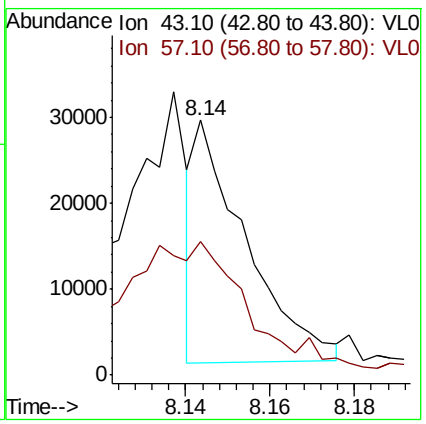


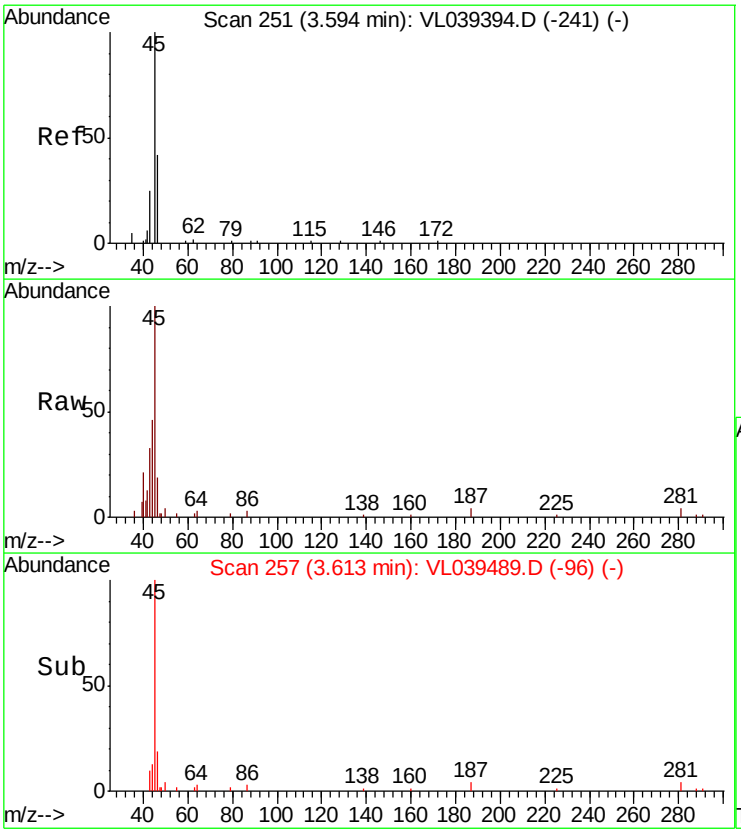
#10
Heptane
Concen: 0.137 ppbv
RT: 8.14
Delta R.T
Lab File:
Acq: 19 Jul 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 43 Resp: 23695

Ion	Ratio	Lower	Upper
43	100		
57	150.6	40.5	60.7#

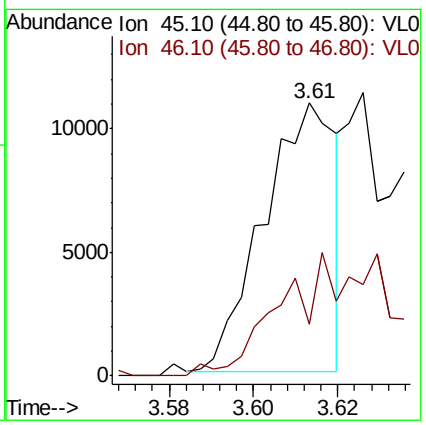


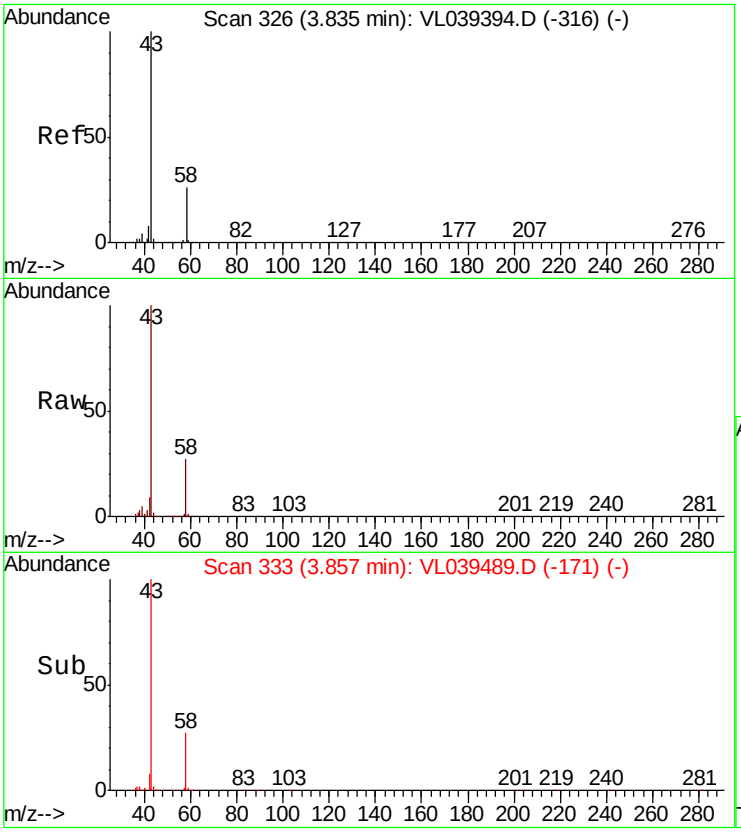


#13
Ethanol
Concen: 3.011 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.02 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

Tgt Ion: 45 Resp: 12883

Ion	Ratio	Lower	Upper
45	100		
46	86.8	22.8	91.2



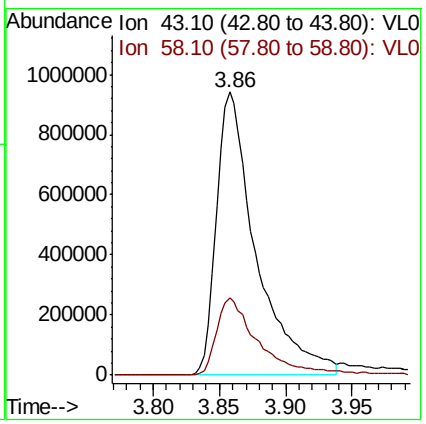


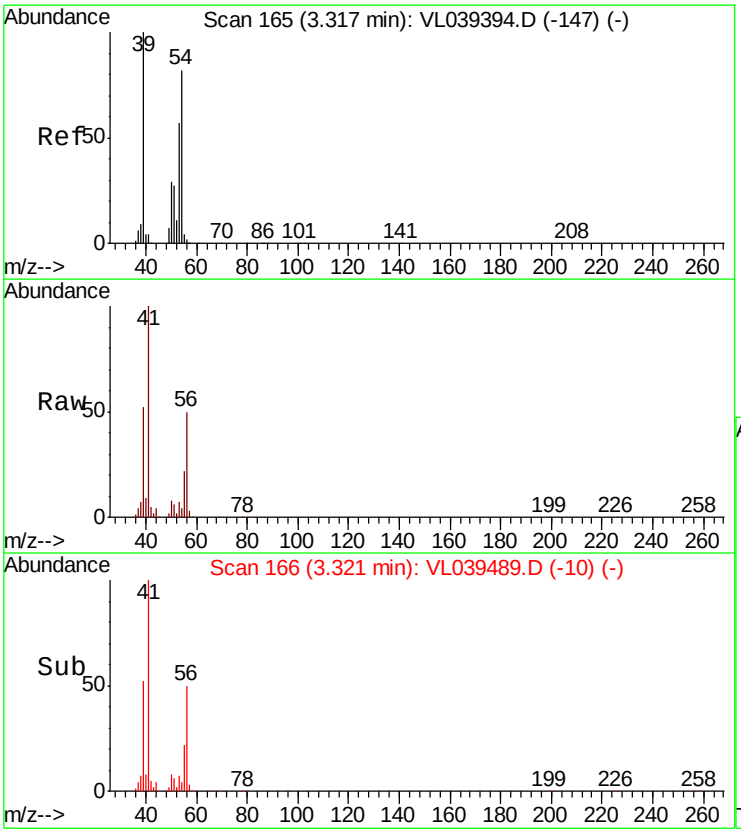
#15
Acetone
Concen: 12.810 ppbv
RT: 3.86
Delta R.T
Lab File:
Acq: 19 Jul 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 43 Resp: 1950969

Ion	Ratio	Lower	Upper
43	100		
58	29.6	21.0	31.6

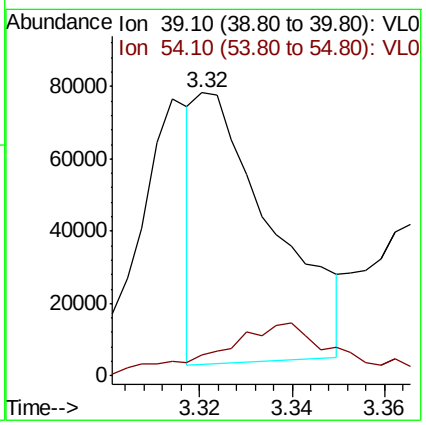


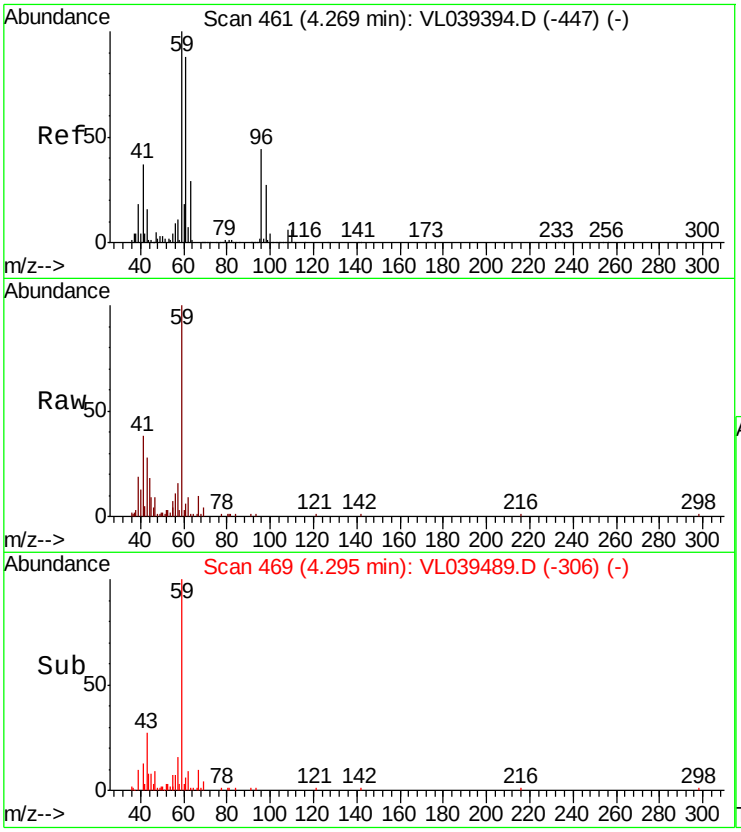


#16
1,3-Butadiene
Concen: 1.086 ppbv
RT: 3.32 min Scan# 166
Delta R.T. 0.00 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

Tgt Ion: 39 Resp: 85783

Ion	Ratio	Lower	Upper
39	100		
54	34.5	63.7	95.5#



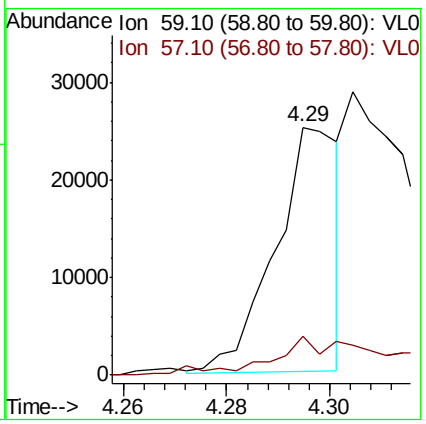


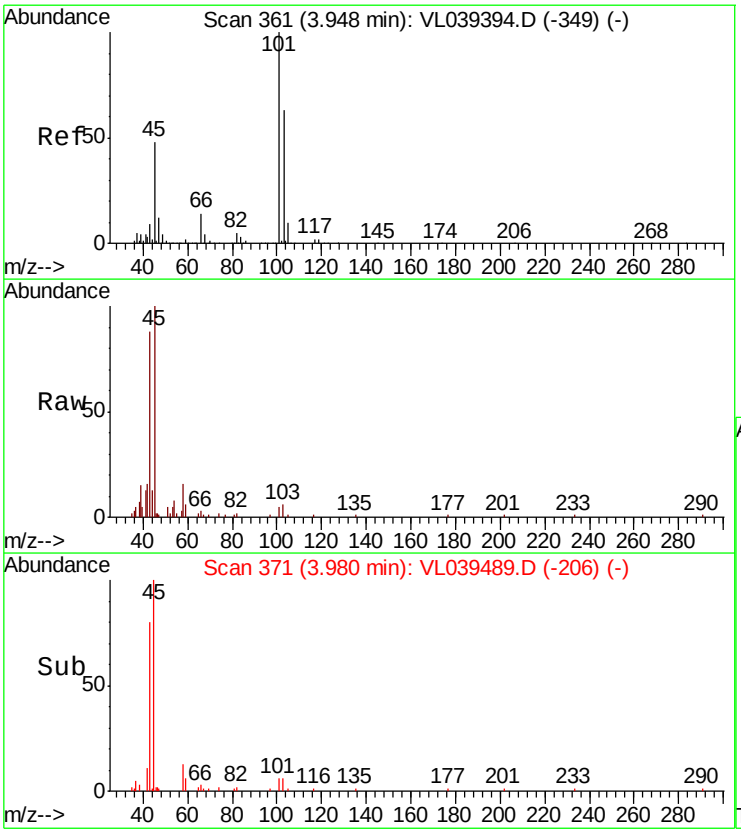
#17
tert-Butyl alcohol
Concen: 0.165 ppbv
RT: 4.29
Delta R.T
Lab File:
Acq: 19 Jul 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 59 Resp: 21322

Ion	Ratio	Lower	Upper
59	100		
57	41.7	8.7	13.1#

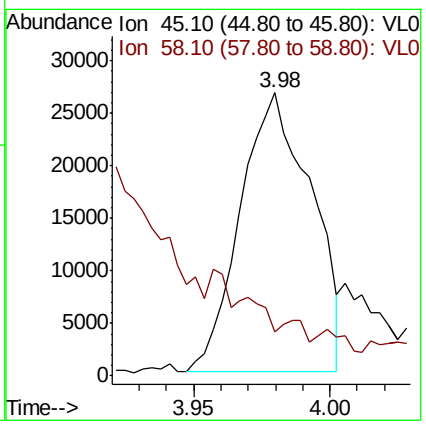


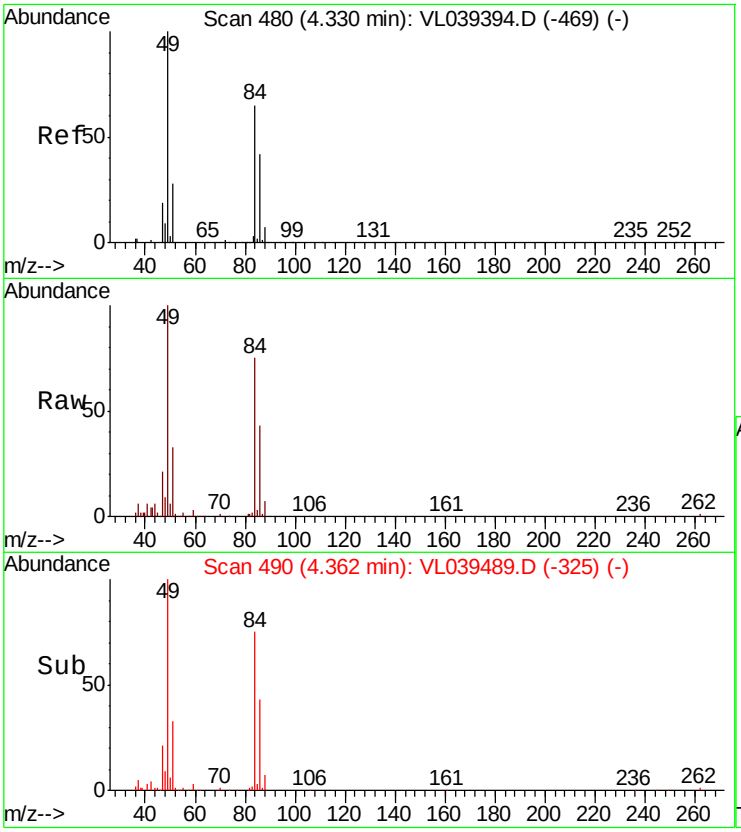


#19
Isopropyl Alcohol
Concen: 0.589 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.03 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

Tgt Ion: 45 Resp: 47877

Ion	Ratio	Lower	Upper
45	100		
58	0.0	3.2	4.8#



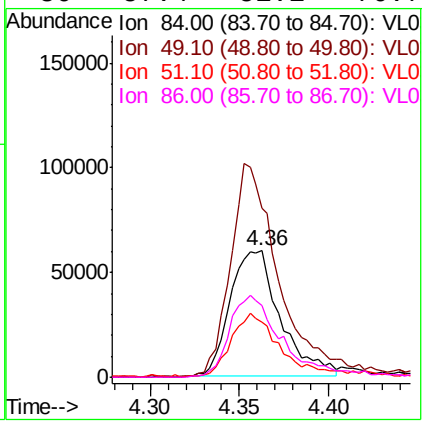


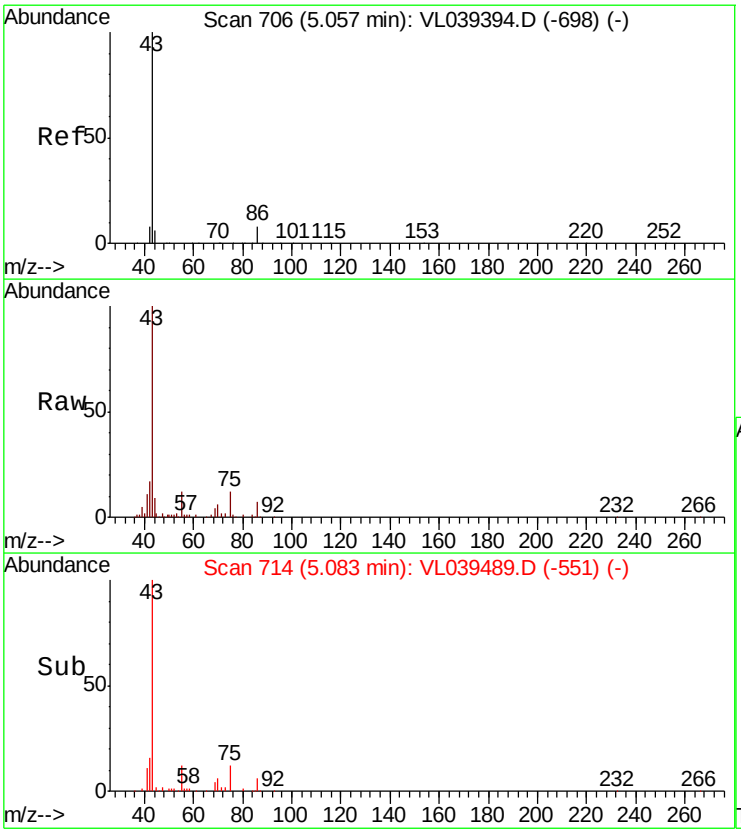
#20
Methylene Chloride
Concen: 1.953 ppbv
RT: 4.36
Delta R.T
Lab File:
Acq: 19 Jul 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 84 Resp: 118552

Ion	Ratio	Lower	Upper
84	100		
49	133.3	123.1	184.7
51	43.1	34.4	51.6
86	57.4	51.1	76.7

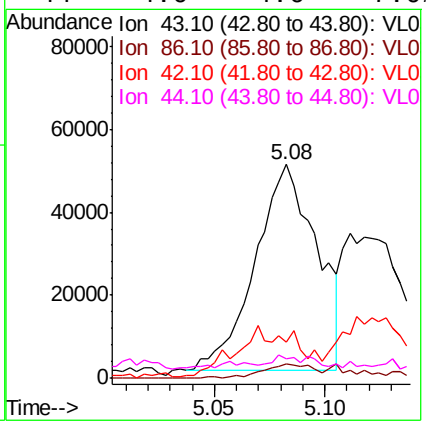


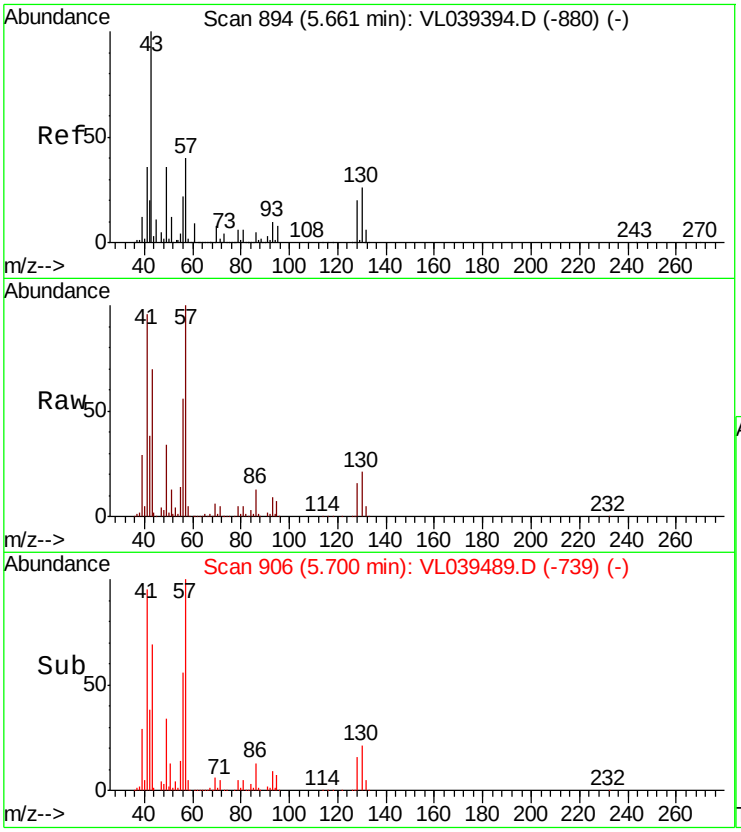


#23
Vinyl Acetate
Concen: 0.945 ppbv
RT: 5.08 min Scan# 714
Delta R.T. 0.03 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

Tgt Ion: 43 Resp: 96221

Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.0	7.6
42	15.7	7.7	11.5#
44	4.0	4.6	7.0#



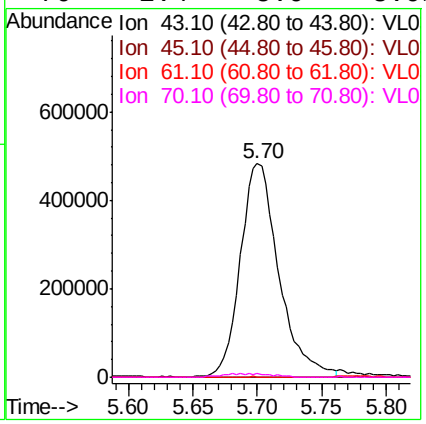


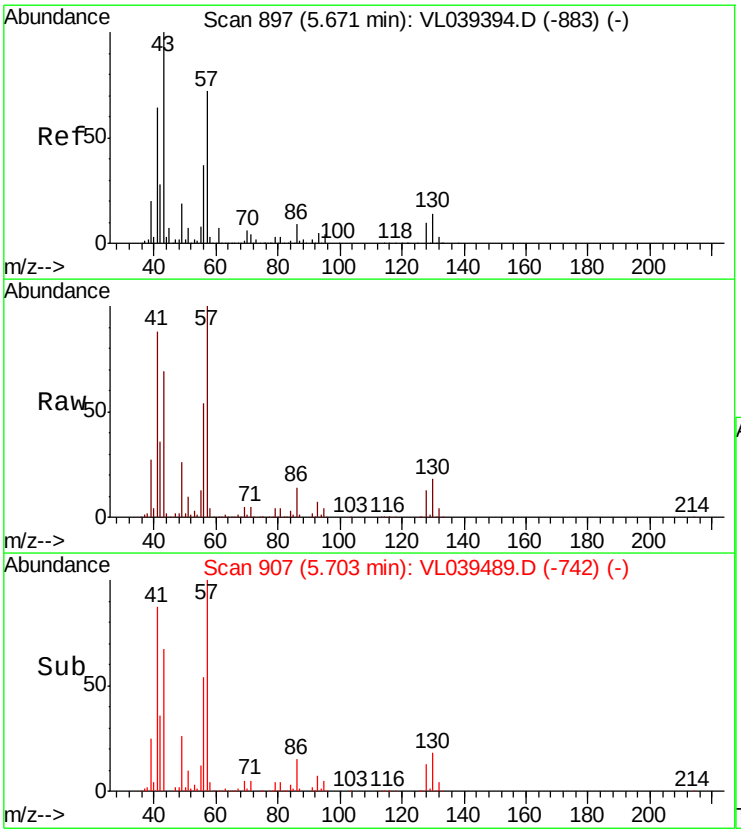
#25
Ethyl Acetate
Concen: 3.206 ppbv
RT: 5.70
Delta R.T
Lab File:
Acq: 19 Jul 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 43 Resp: 1001307

Ion	Ratio	Lower	Upper
43	100		
45	0.2	8.2	12.4#
61	0.3	8.3	12.5#
70	2.4	5.9	8.9#

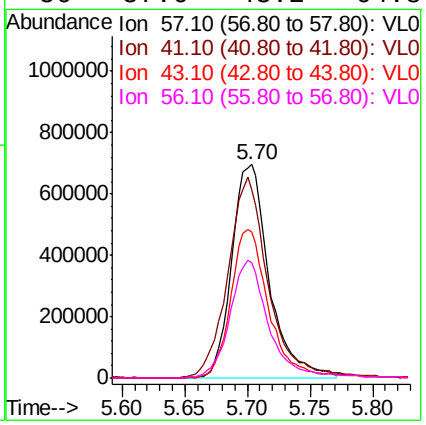


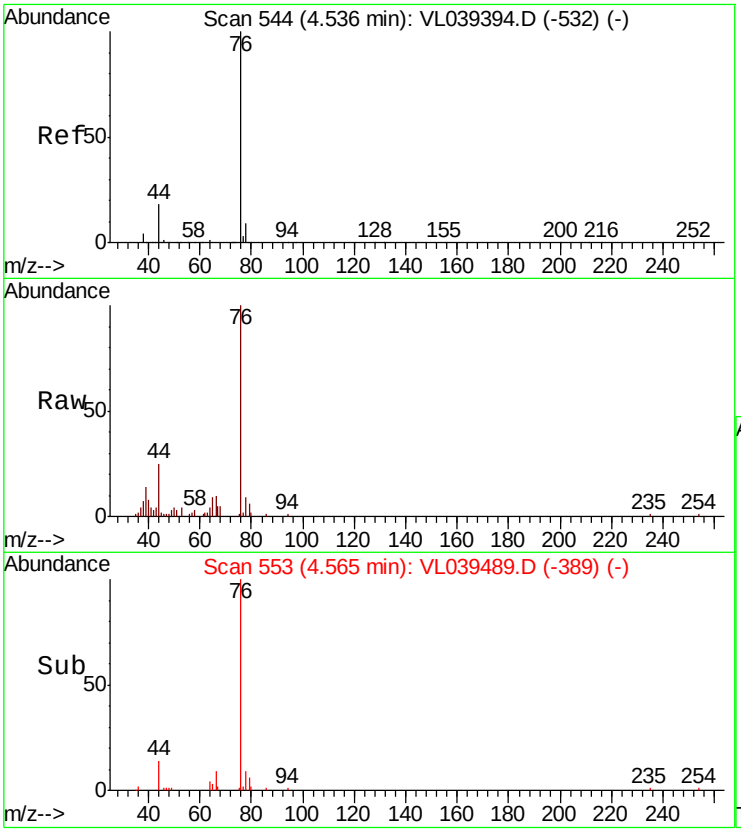


#26
Hexane
Concen: 11.480 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.03 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

Tgt Ion: 57 Resp: 1445058

Ion	Ratio	Lower	Upper
57	100		
41	102.9	76.9	115.3
43	71.1	191.0	286.6#
56	57.6	43.2	64.8



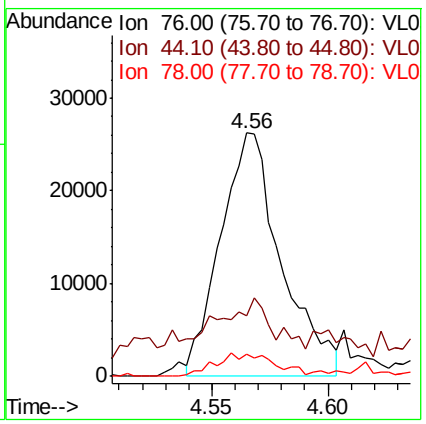


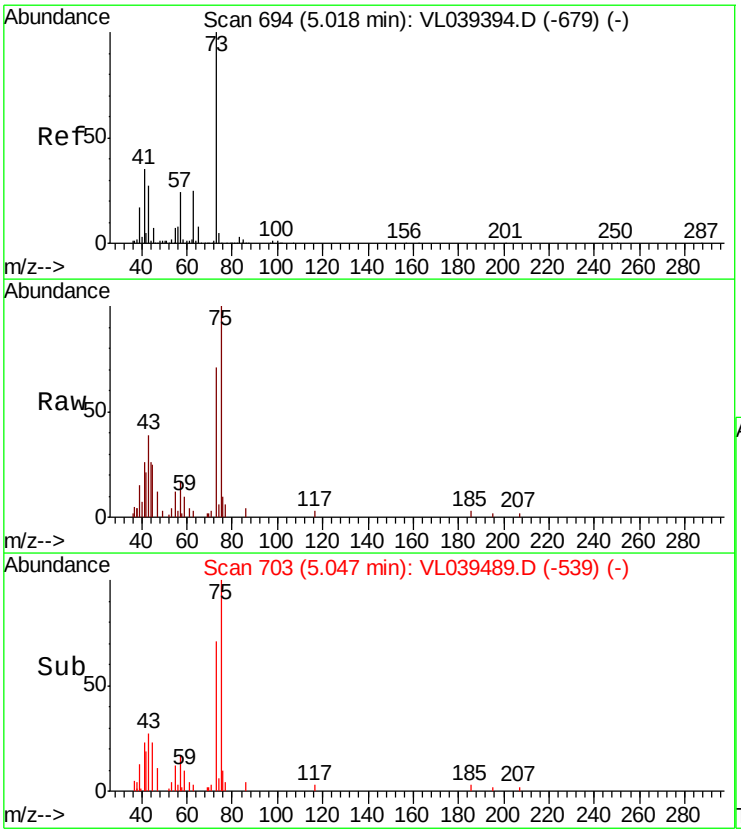
#27
Carbon Disulfide
Concen: 0.313 ppbv
RT: 4.56
Delta R.T
Lab File:
Acq: 19 Jul 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 76 Resp: 47596

Ion	Ratio	Lower	Upper
76	100		
44	40.1	14.6	21.8#
78	10.0	7.8	11.6

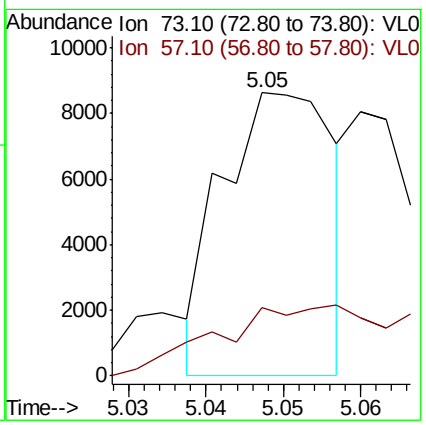


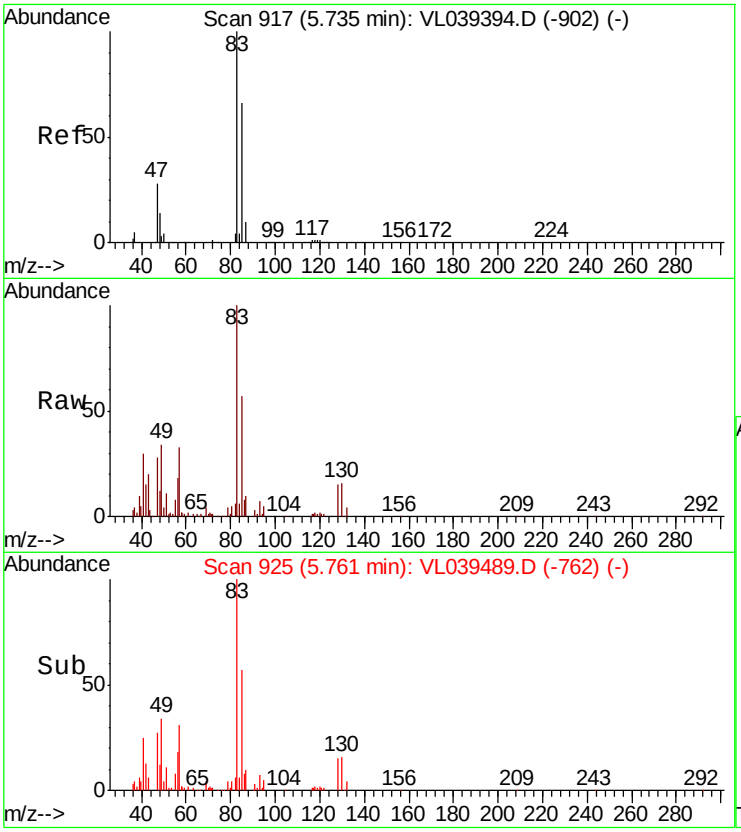


#28
Methyl tert-Butyl Ether
Concen: 0.064 ppbv
RT: 5.05 min Scan# 703
Delta R.T. 0.03 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

Tgt Ion: 73 Resp: 8631

Ion	Ratio	Lower	Upper
73	100		
57	0.0	19.8	29.8#



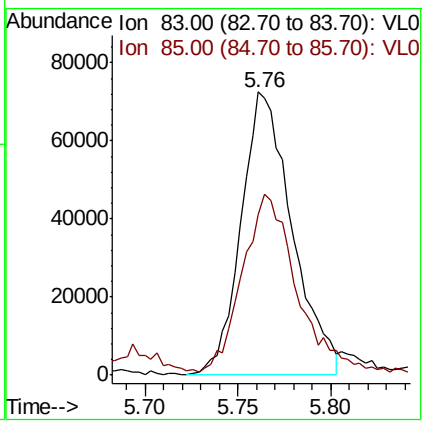


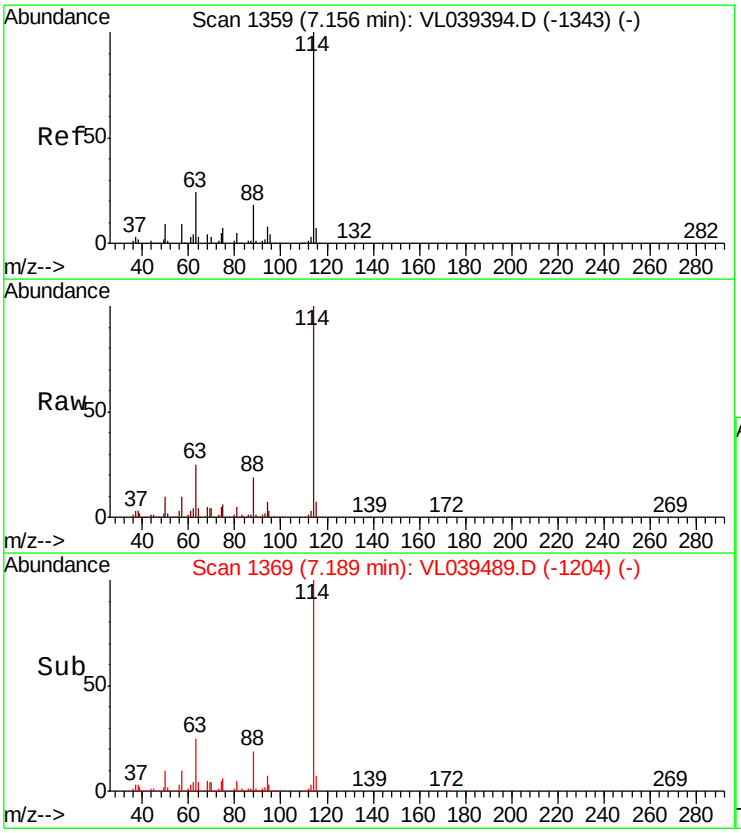
#29
Chloroform
Concen: 0.637 ppbv
RT: 5.76
Delta R.T
Lab File:
Acq: 19 Jul 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 83 Resp: 139337

Ion	Ratio	Lower	Upper
83	100		
85	54.9	52.8	79.2

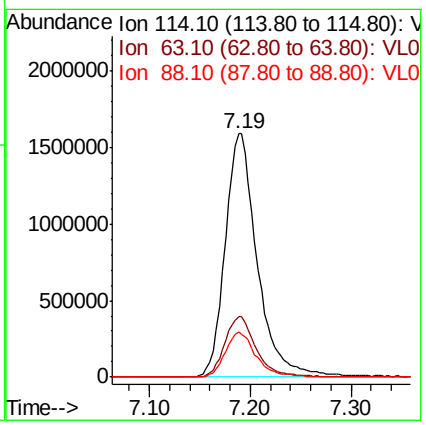


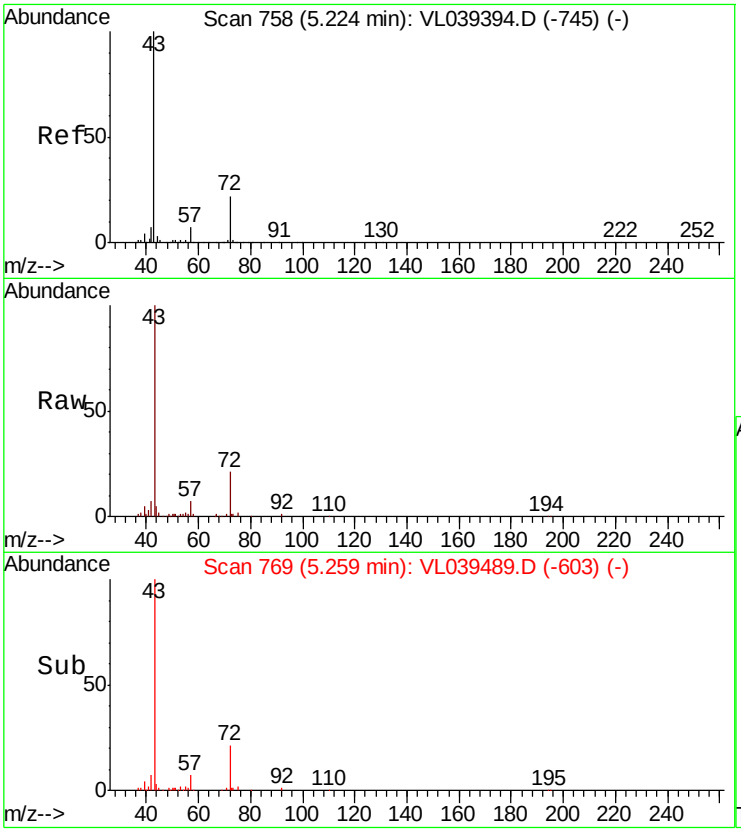


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.03 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

Tgt Ion:114 Resp: 3512187

Ion	Ratio	Lower	Upper
114	100		
63	24.8	20.2	30.4
88	18.0	14.5	21.7



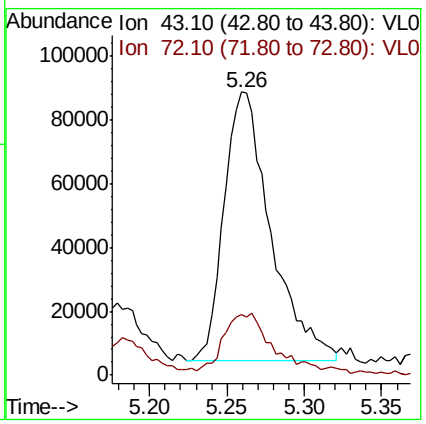


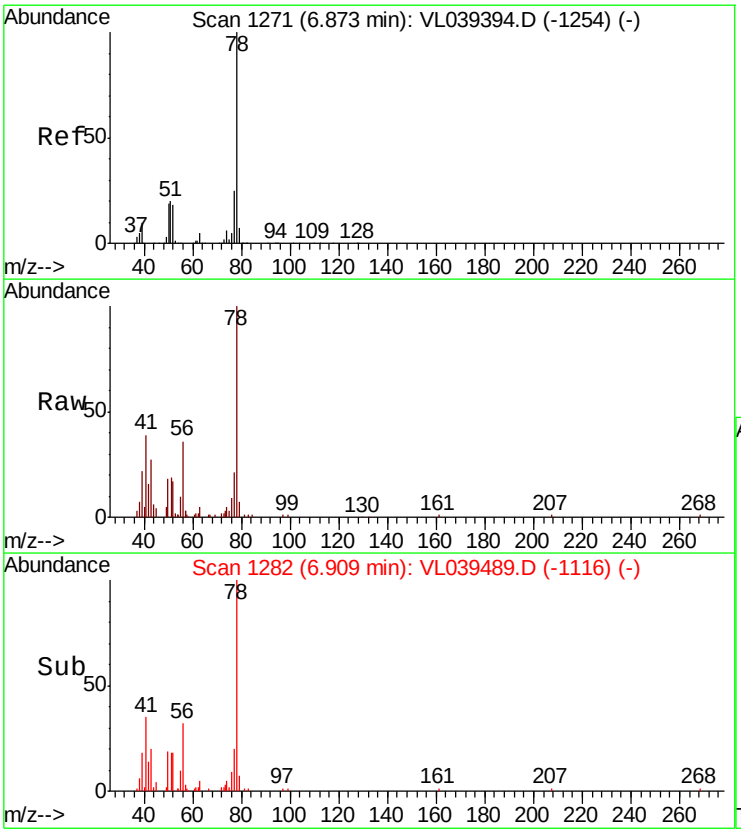
#34
2-Butanone
Concen: 1.005 ppbv
RT: 5.26
Delta R.T
Lab File:
Acq: 19 Jul 2022 19:45

Instrument : MSVOA_L
ClientSampleId : SV-3

Tgt Ion: 43 Resp: 177653

Ion	Ratio	Lower	Upper
43	100		
72	27.6	17.9	26.9#

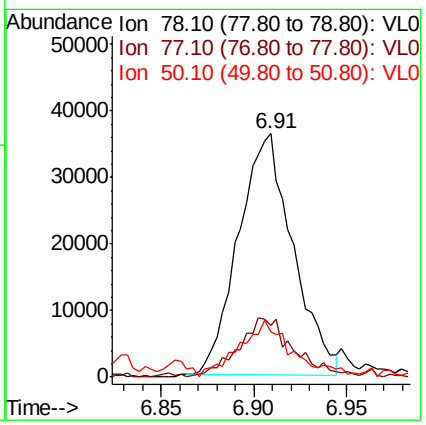


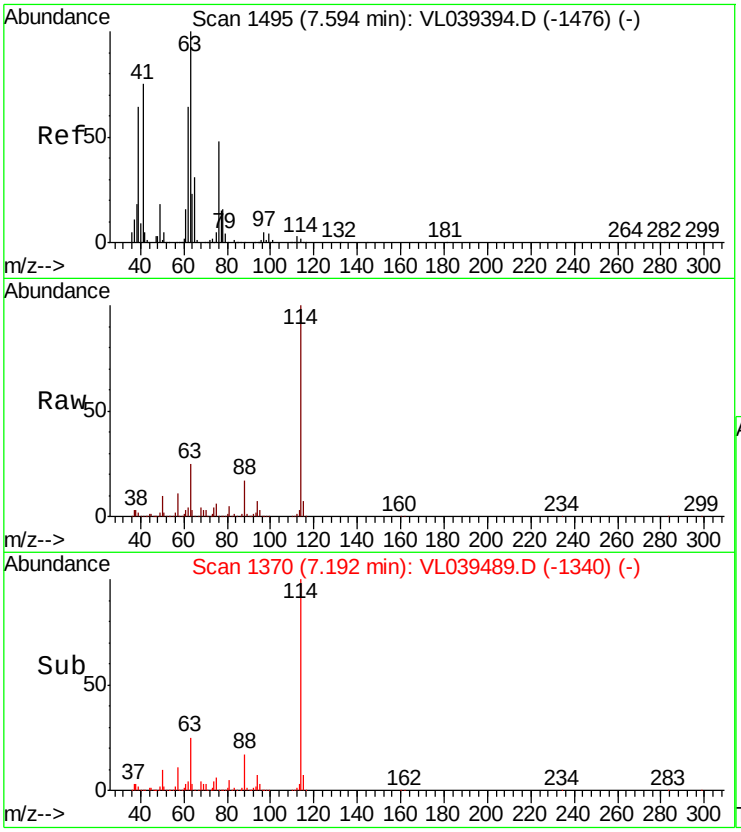


#36
Benzene
Concen: 0.274 ppbv
RT: 6.91 min Scan# 1282
Delta R.T. 0.04 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

Tgt Ion: 78 Resp: 74414

Ion	Ratio	Lower	Upper
78	100		
77	21.4	20.3	30.5
50	15.4	15.5	23.3#



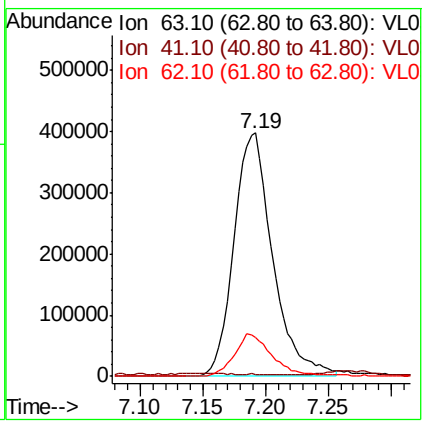


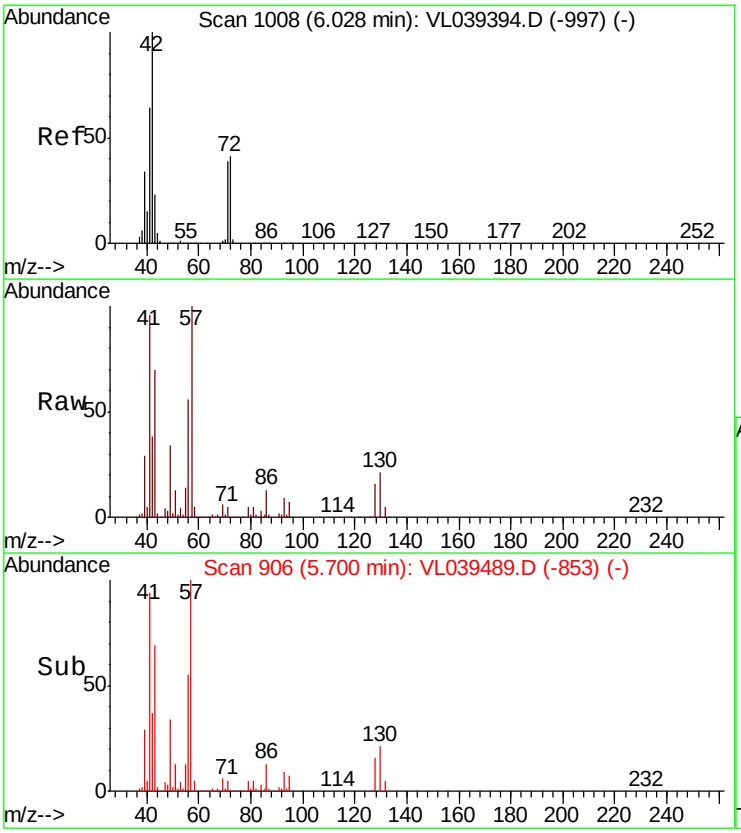
#39
1,2-Dichloropropane
Concen: 8.412 ppbv
RT: 7.19
Delta R.T
Lab File:
Acq: 19 Jul 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 63 Resp: 854177

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	16.0	51.4	77.0#

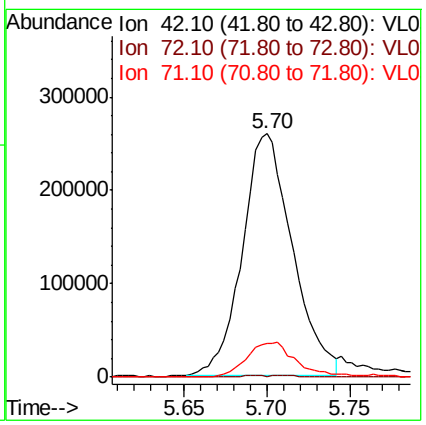


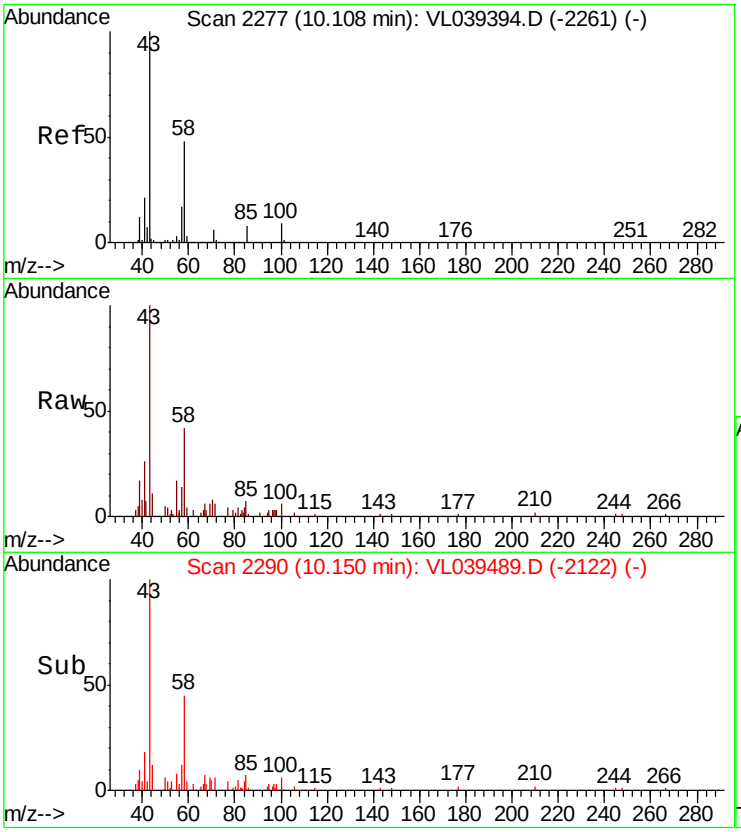


#41
Tetrahydrofuran
Concen: 5.337 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.33 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

Tgt Ion: 42 Resp: 546778

Ion	Ratio	Lower	Upper
42	100		
72	1.0	31.8	47.8#
71	14.8	31.8	47.8#



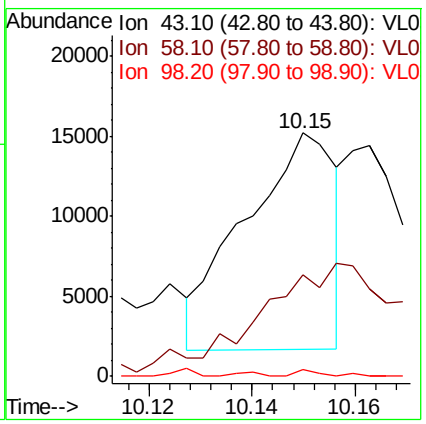


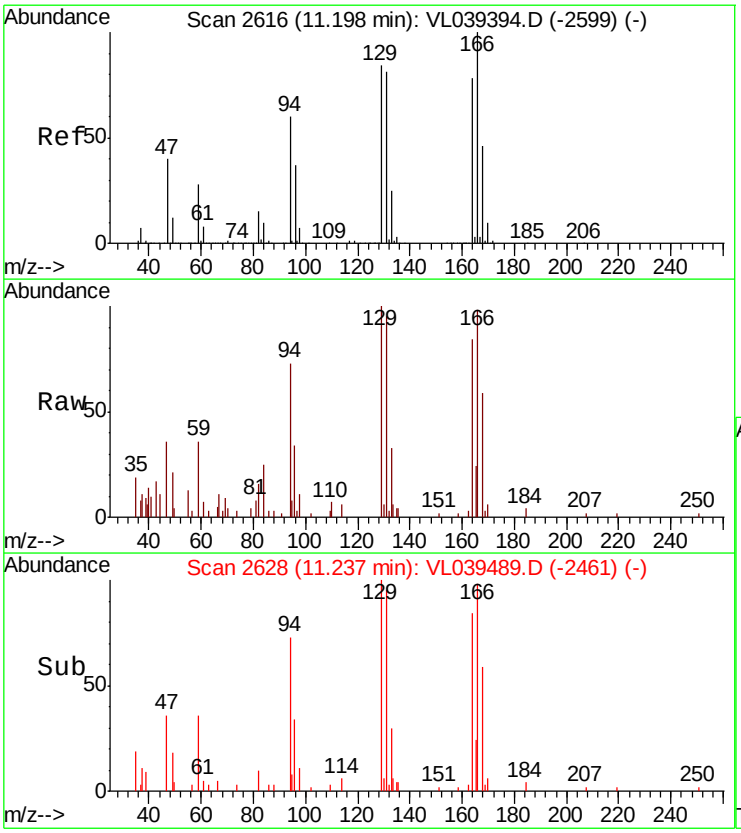
#51
2-Hexanone
Concen: 0.082 ppbv
RT: 10.15
Delta R.T
Lab File:
Acq: 19 Jul 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 43 Resp: 16528

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.4	57.6#
98	1.0	0.3	0.5#

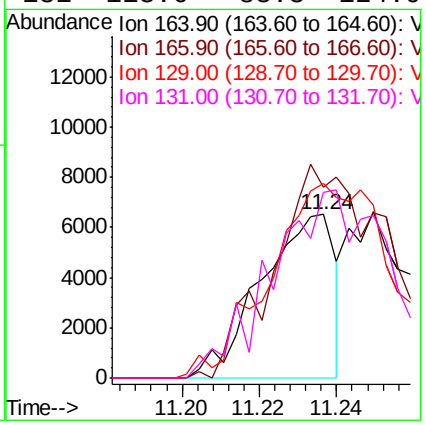


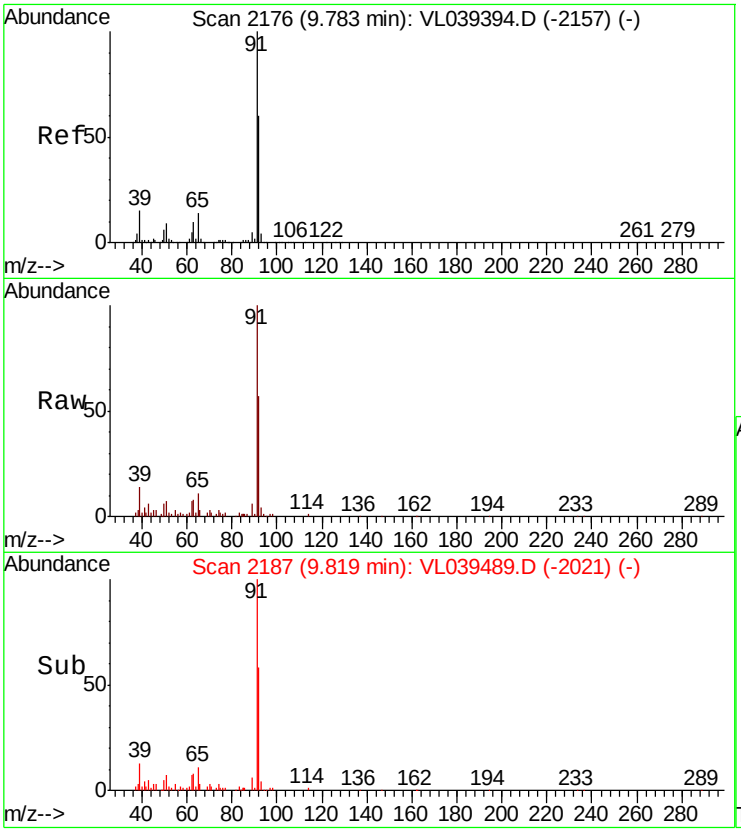


#52
Tetrachloroethene
Concen: 0.078 ppbv
RT: 11.24 min Scan# 2628
Delta R.T. 0.04 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

Tgt Ion:164 Resp: 8583

Ion	Ratio	Lower	Upper
164	100		
166	116.5	102.2	153.2
129	116.7	85.8	128.8
131	113.6	83.3	124.9



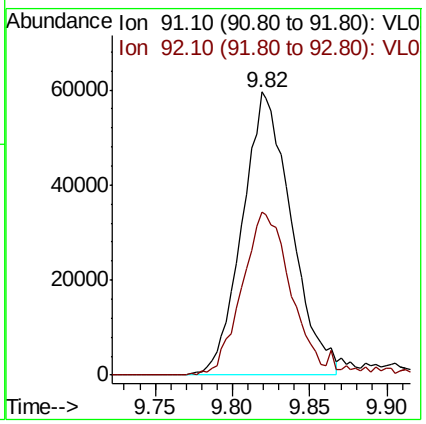


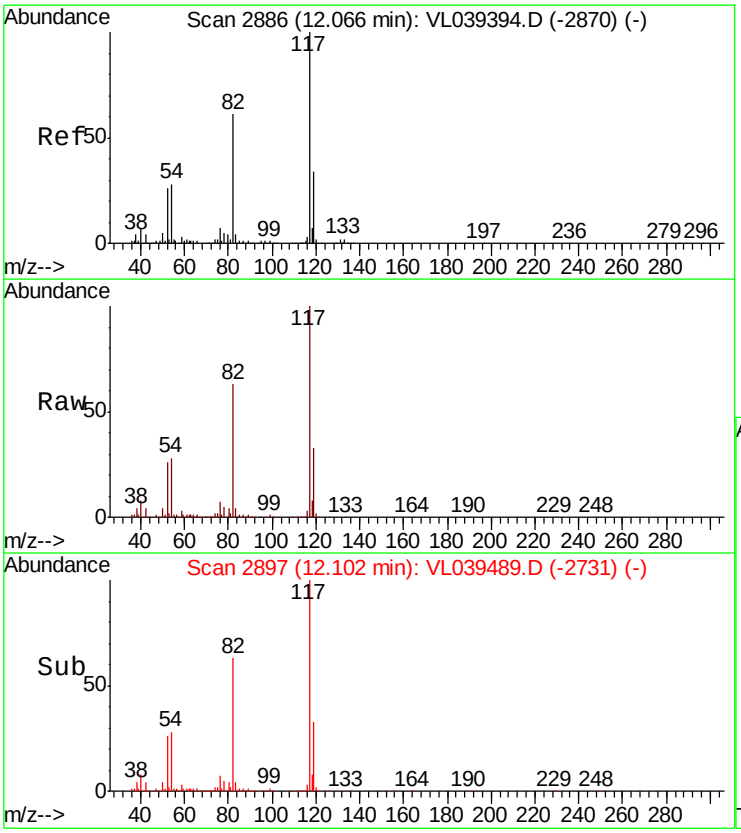
#53
Toluene
Concen: 0.419 ppbv
RT: 9.82
Delta R.T
Lab File:
Acq: 19 Jul 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 91 Resp: 131437

Ion	Ratio	Lower	Upper
91	100		
92	58.6	48.2	72.2

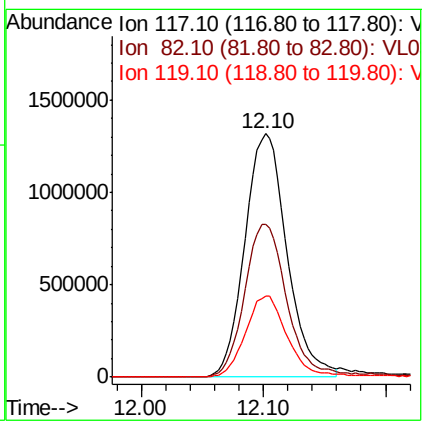


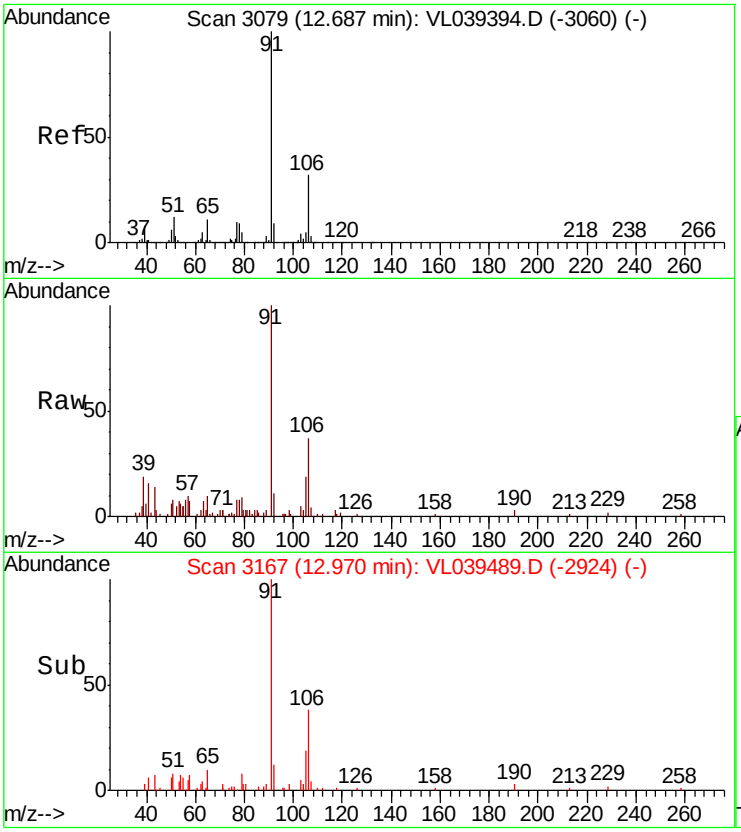


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.04 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

Tgt Ion:117 Resp: 3143660

Ion	Ratio	Lower	Upper
117	100		
82	65.2	50.8	76.2
119	34.0	24.1	36.1



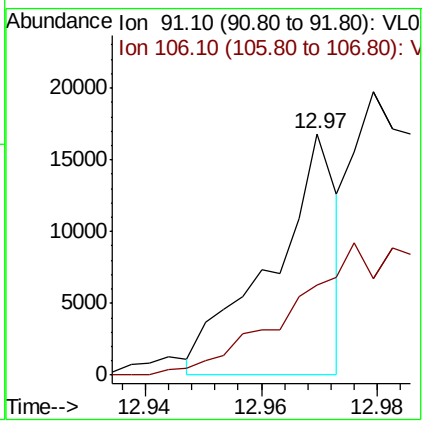


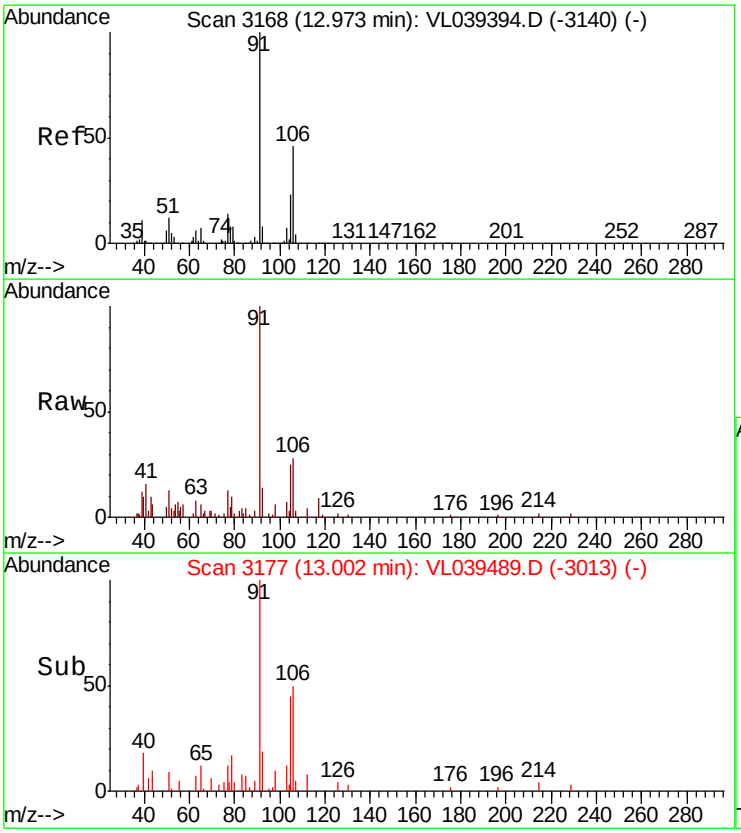
#58
Ethyl Benzene
Concen: 0.032 ppbv
RT: 12.97
Delta R.T
Lab File:
Acq: 19 Jul 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 91 Resp: 13166

Ion	Ratio	Lower	Upper
91	100		
106	36.9	25.4	38.0

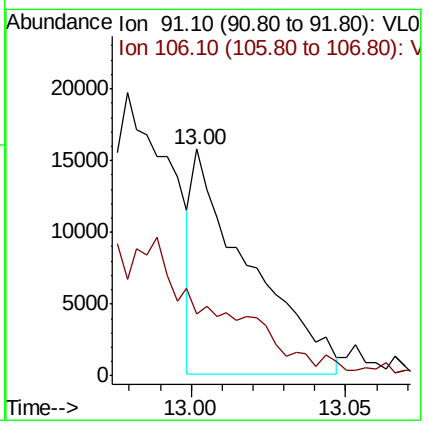


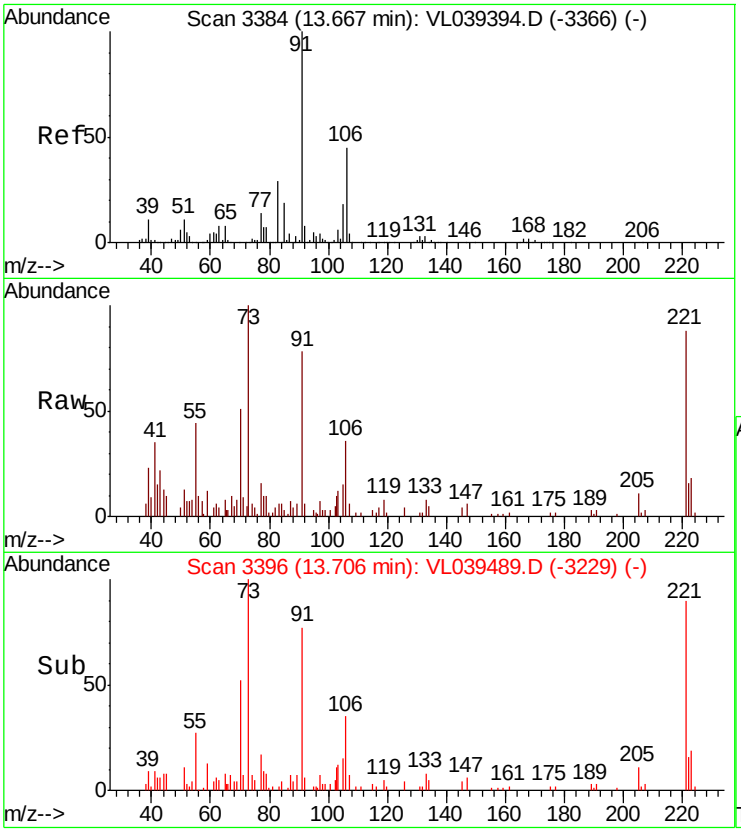


#59
m/p-Xylene
Concen: 0.055 ppbv
RT: 13.00 min Scan# 3177
Delta R.T. 0.03 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

Tgt Ion: 91 Resp: 19764

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#



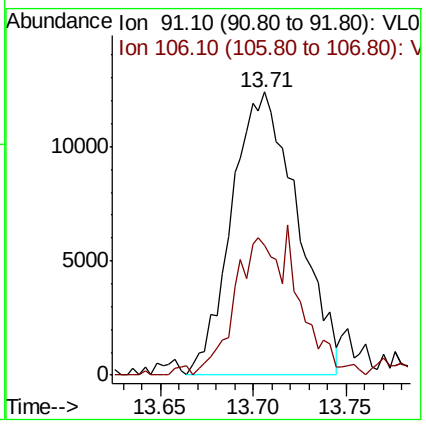


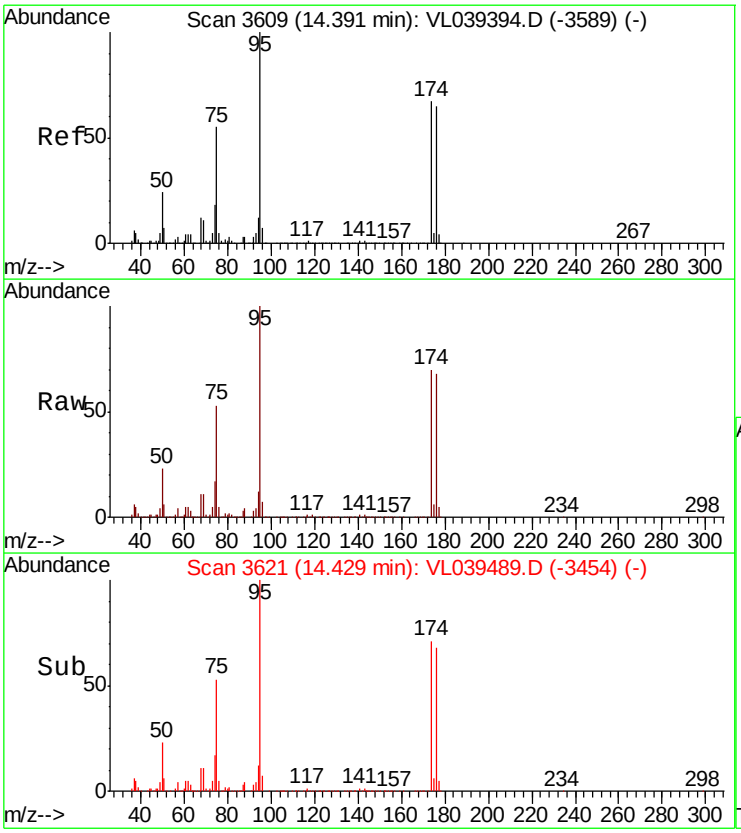
#60
o-Xylene
Concen: 0.090 ppbv
RT: 13.71
Delta R.T
Lab File:
Acq: 19 Jul 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 91 Resp: 30496

Ion	Ratio	Lower	Upper
91	100		
106	48.0	22.4	67.3

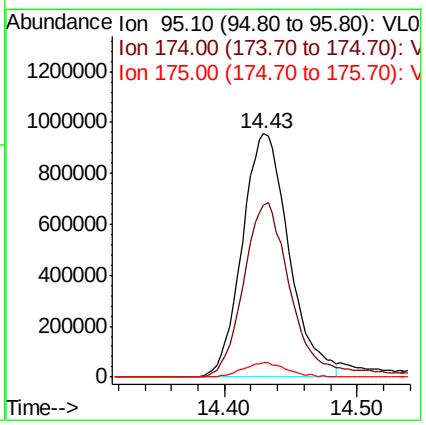


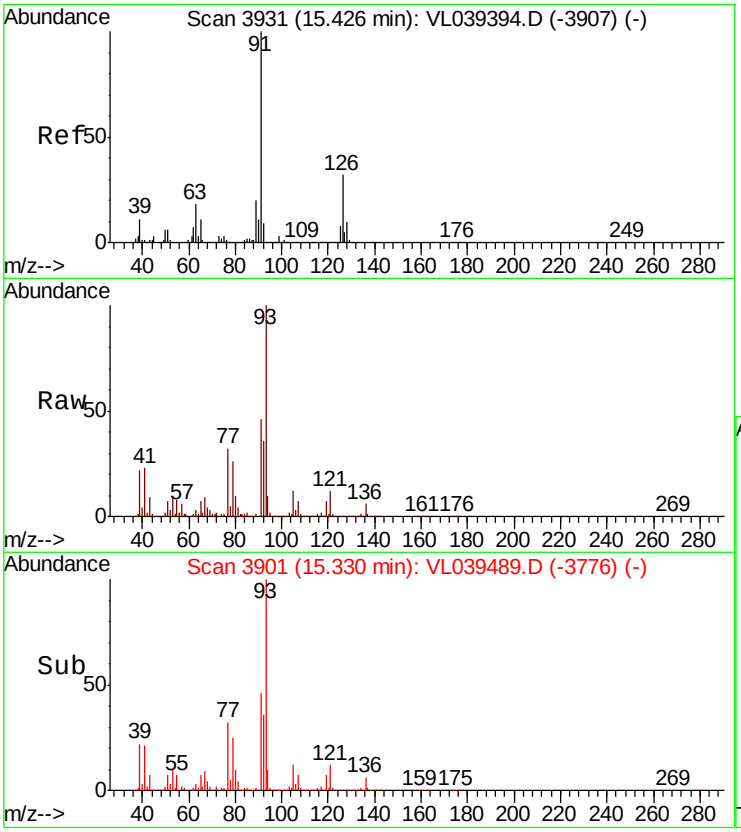


#68
1-Bromo-4-Fluorobenzene
Concen: 10.064 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. 0.04 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

Tgt Ion: 95 Resp: 2346958

Ion	Ratio	Lower	Upper
95	100		
174	75.8	55.9	83.9
175	6.0	4.2	6.4



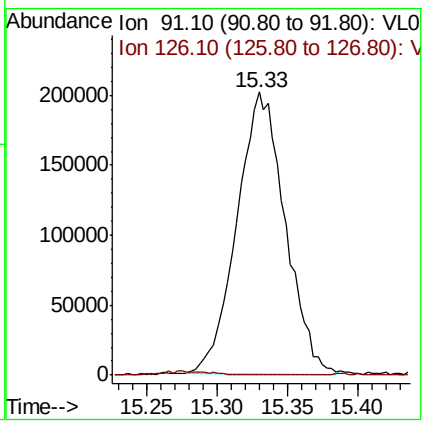


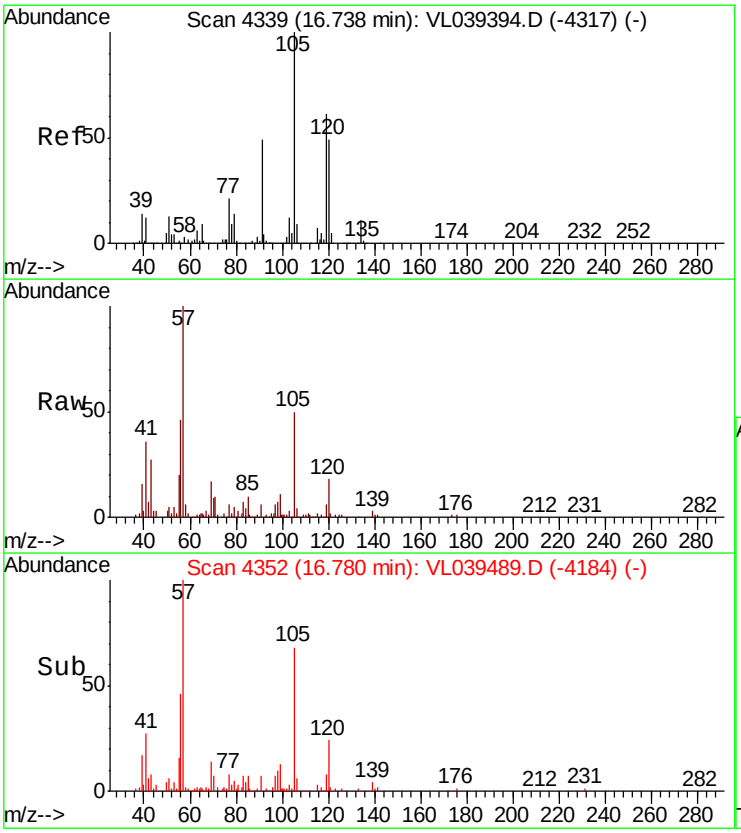
#71
2-Chlorotoluene
Concen: 1.306 ppbv
RT: 15.33
Delta R.T
Lab File:
Acq: 19 Jul 2022 19:45

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tgt Ion: 91 Resp: 482260

Ion	Ratio	Lower	Upper
91	100		
126	0.5	13.0	51.8#





#74
1,2,4-Trimethylbenzene
Concen: 0.203 ppbv
RT: 16.78 min Scan# 4352
Delta R.T. 0.04 min
Lab File: VL039489.D
Acq: 19 Jul 2022 19:45

Tgt Ion:105 Resp: 82131

Ion	Ratio	Lower	Upper
105	100		
120	38.4	39.5	59.3#
91	7.3	39.2	58.8#
77	7.1	17.2	25.8#