Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
Data File : VL039188.D
Acq On : 6 Jun 2022 16:11
Operator : SY/AP
Sample : N3110-07 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG-6

Quant Time: Jun 06 16:40:16 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	5.66	49	1232967	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	3365582	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.08	117	3018039	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	2401495	9.62	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	23022	0.11	ppbv		93
3) Chlorodifluoromethane	2.99	51	7958	0.05	ppbv		98
4) Chloromethane	3.14	50	7206	0.09	ppbv	#	85
9) Propene	3.36	41	4976	0.07	ppbv		95
10) Heptane	8.12	43	20547	0.13	ppbv	#	64
13) Ethanol	3.61	45	20785	5.57	ppbv	#	100
15) Acetone	3.85	43	660616	5.14	ppbv		90
17) tert-Butyl alcohol	4.29	59	12095	0.12	ppbv	#	21
19) Isopropyl Alcohol	3.97	45	12699	0.21	ppbv	#	93
20) Methylene Chloride	4.35	84	54649	1.01	ppbv		86
23) Vinyl Acetate	5.06	43	10196	0.10	ppbv	#	67
25) Ethyl Acetate	5.68	43	83138	0.29	ppbv	#	80
26) Hexane	5.69	57	107451	0.84	ppbv	#	38
29) Chloroform	5.75	83	32627	0.15	ppbv	#	78
34) 2-Butanone	5.25	43	168825	0.92	ppbv		94
36) Benzene	6.88	78	11211	0.04	ppbv		94
39) 1,2-Dichloropropane	7.17	63	796767	7.33	ppbv	#	24
51) 2-Hexanone	10.14	43	51693	0.24	ppbv	#	92
52) Tetrachloroethene	11.22	164	119046	1.12	ppbv		95
53) Toluene	9.80	91	213284	0.68	ppbv		98
58) Ethyl Benzene	12.70	91	155246	0.37	ppbv		97
59) m/p-Xylene	12.96	91	569521	1.56	ppbv		92
60) o-Xylene	13.68	91	269183	0.78	ppbv		99
61) Styrene	13.52	104	17905	0.10	ppbv		93
64) n-propylbenzene	15.55	120	10201	0.08	ppbv	#	1
65) tert-Butylbenzene	16.75	119	61650	0.13	ppbv	#	72
72) 4-Ethyltoluene	15.83	105	141930	0.35	ppbv		95
73) 1,3,5-Trimethylbenzene	15.99	105	133626	0.37	ppbv		87
74) 1,2,4-Trimethylbenzene	16.75	105	562251	1.39	ppbv	#	65
79) Naphthalene	22.17	128	11262	0.04	ppbv	#	95

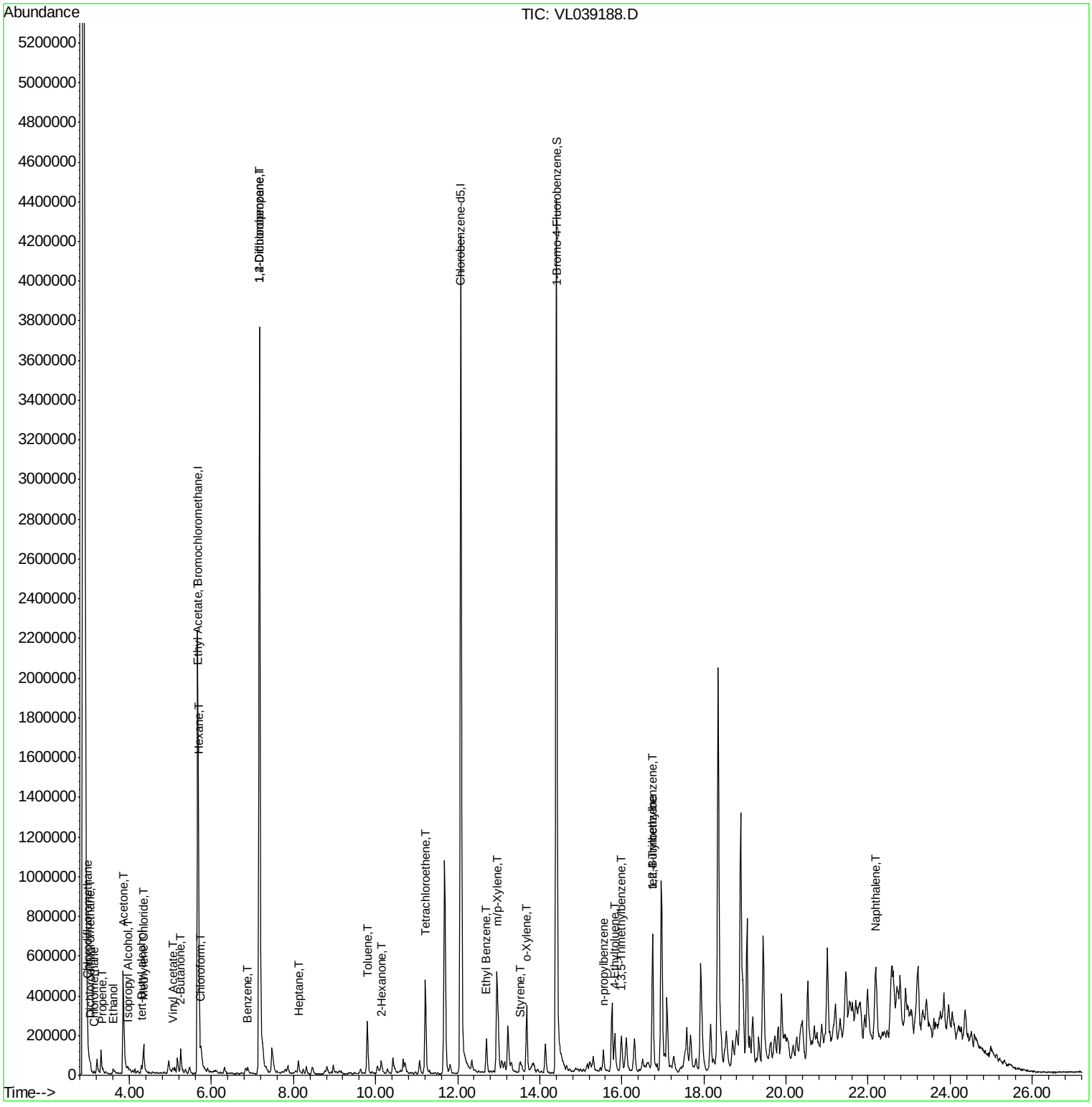
(#) = qualifier out of range (m) = manual integration (+) = signals summed

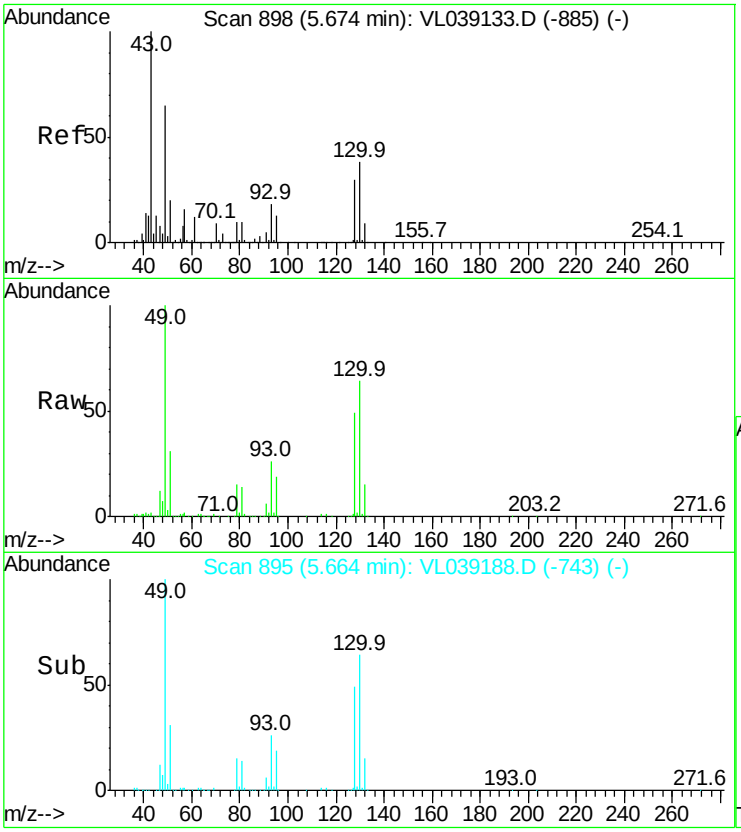
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
Data File : VL039188.D
Acq On : 6 Jun 2022 16:11
Operator : SY/AP
Sample : N3110-07 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Quant Time: Jun 06 16:40:16 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



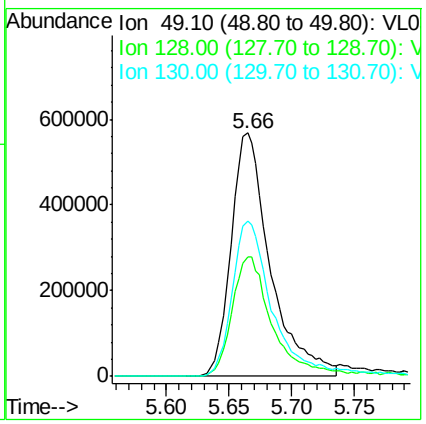


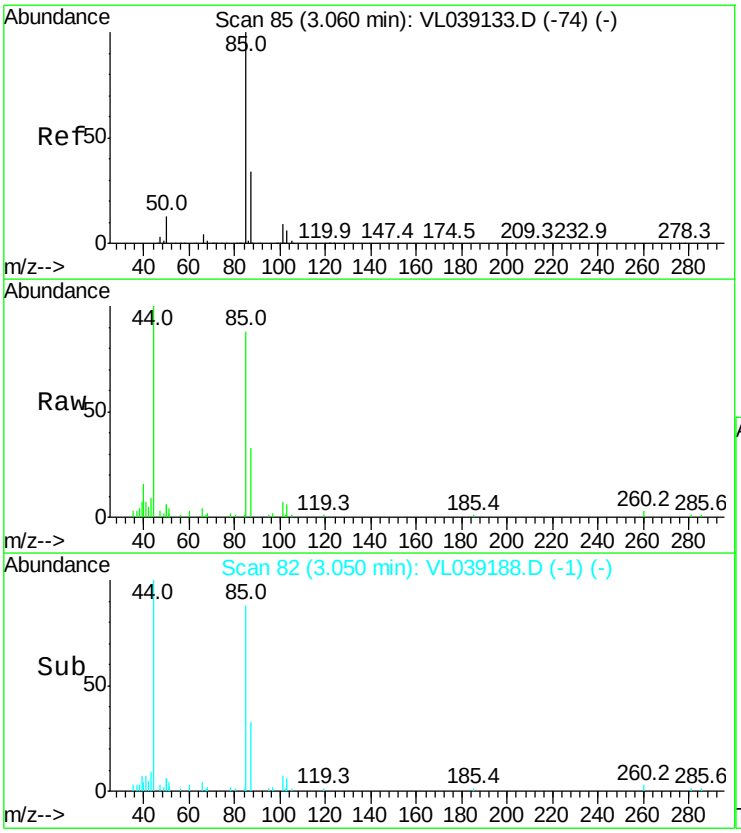
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 6 Jun 2022 16:11

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 49 Resp: 1232967

Ion	Ratio	Lower	Upper
49	100		
128	52.2	24.7	74.1
130	68.3	31.4	94.0

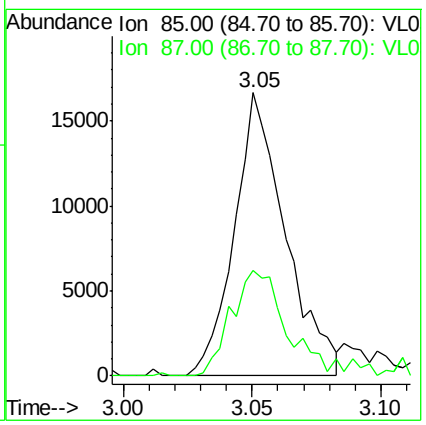


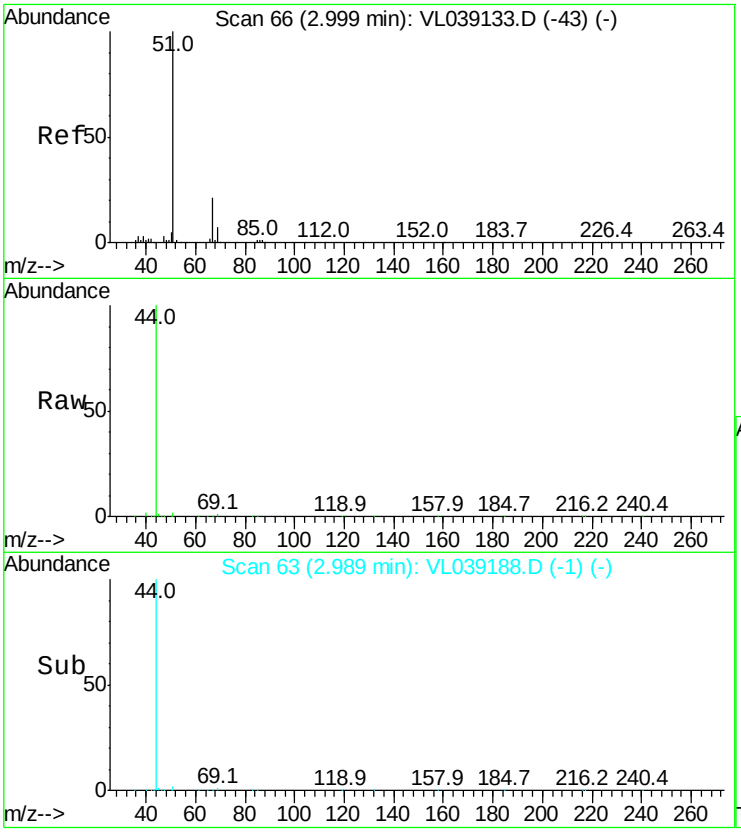


#2
Dichlorodifluoromethane
Concen: 0.11 ppbv
RT: 3.05 min Scan# 82
Delta R.T. -0.01 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

Tgt Ion: 85 Resp: 23022

Ion	Ratio	Lower	Upper
85	100		
87	37.3	26.9	40.3



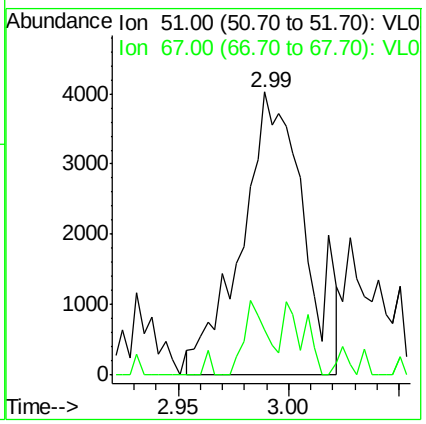


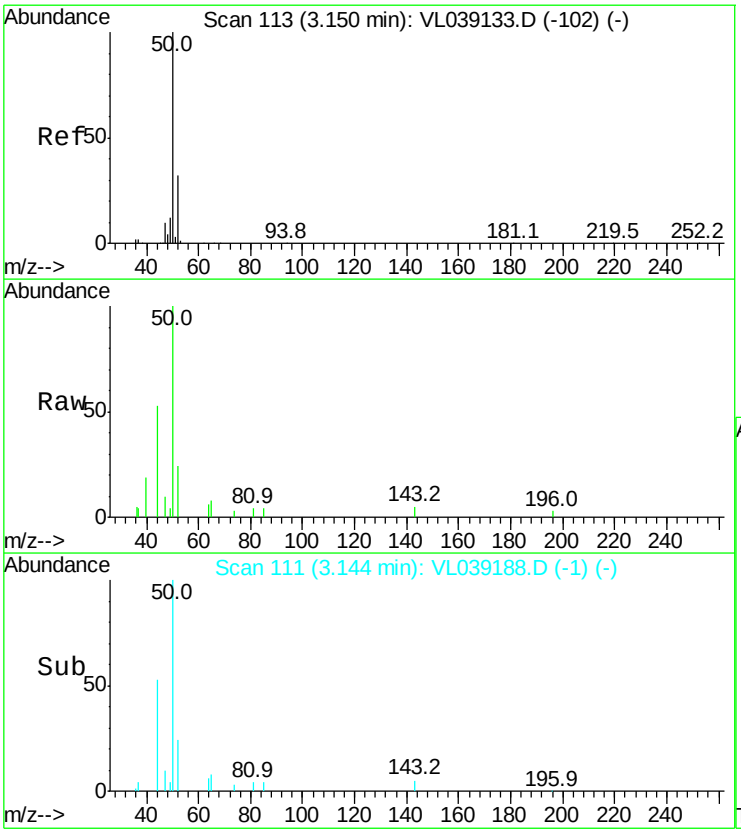
#3
Chlorodifluoromethane
Concen: 0.05 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 6 Jun 2022 16:11

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 51 Resp: 7958

Ion	Ratio	Lower	Upper
51	100		
67	21.0	16.2	24.4

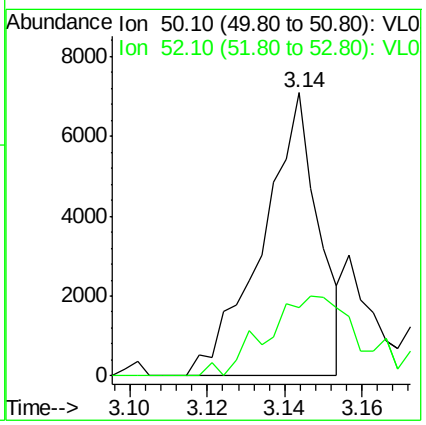


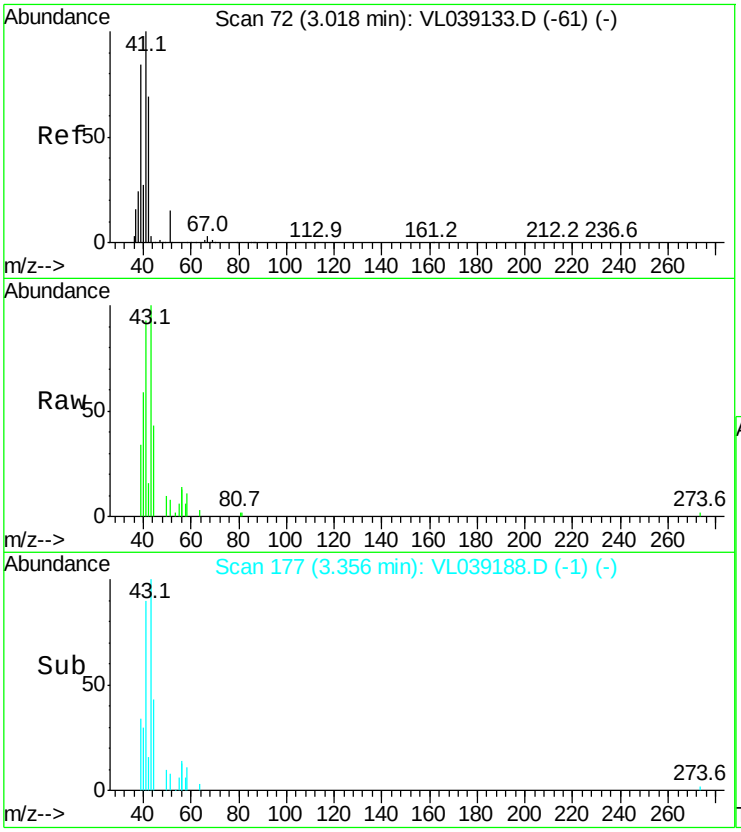


#4
Chloromethane
Concen: 0.09 ppbv
RT: 3.14 min Scan# 111
Delta R.T. -0.01 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

Tgt Ion: 50 Resp: 7206

Ion	Ratio	Lower	Upper
50	100		
52	24.3	25.9	38.9#



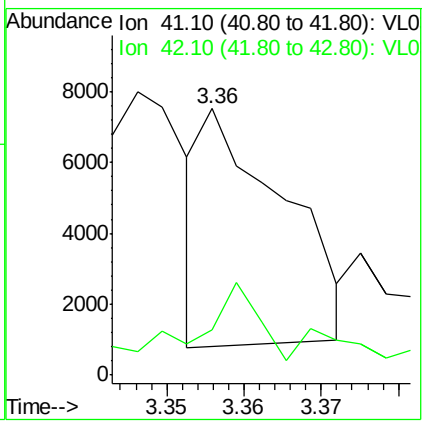


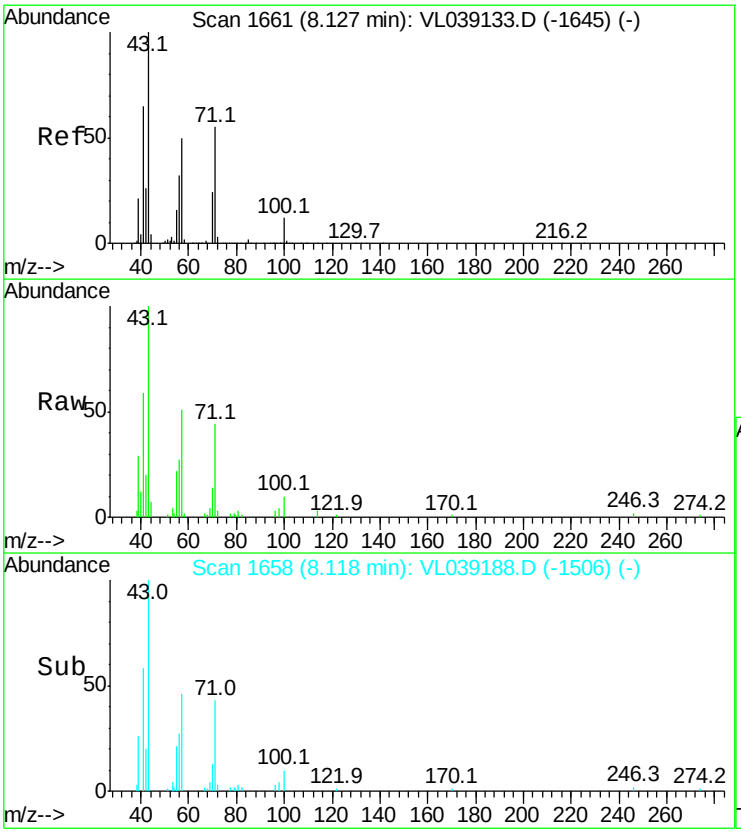
#9
Propene
Concen: 0.07 ppbv
RT: 3.36
Delta R.T
Lab File:
Acq: 6 Jun 2022 16:11

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 41 Resp: 4976

Ion	Ratio	Lower	Upper
41	100		
42	65.1	55.4	83.2

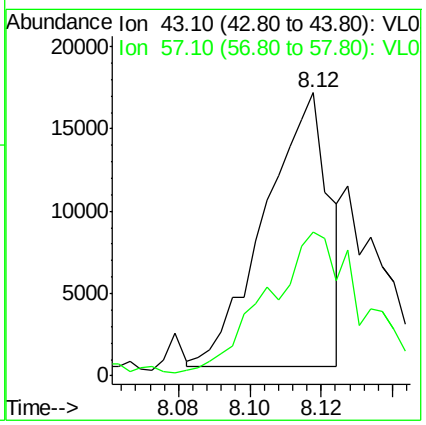


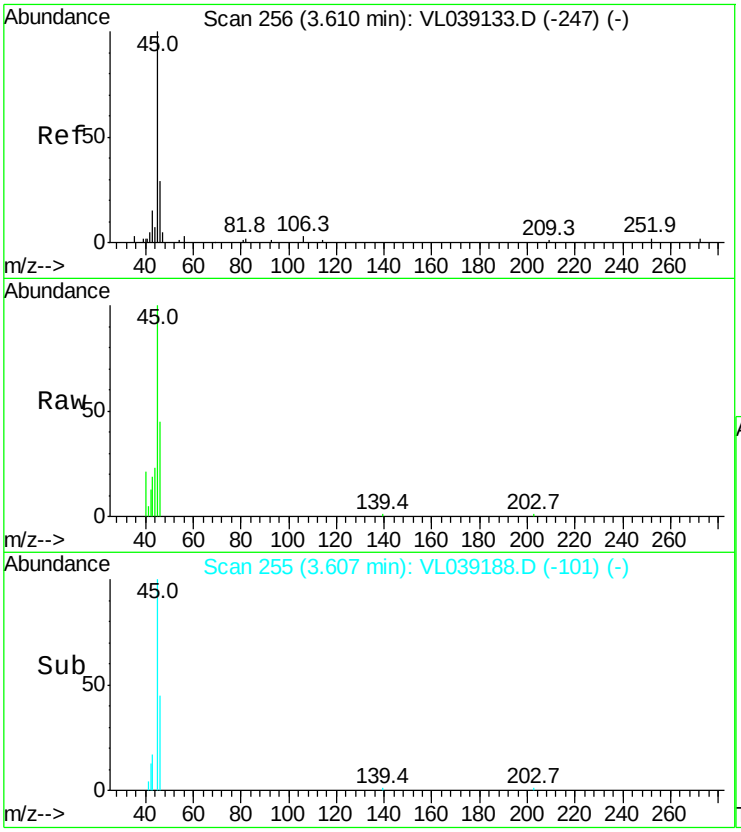


#10
Heptane
Concen: 0.13 ppbv
RT: 8.12 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

Tgt Ion: 43 Resp: 20547

Ion	Ratio	Lower	Upper
43	100		
57	77.1	41.4	62.2#



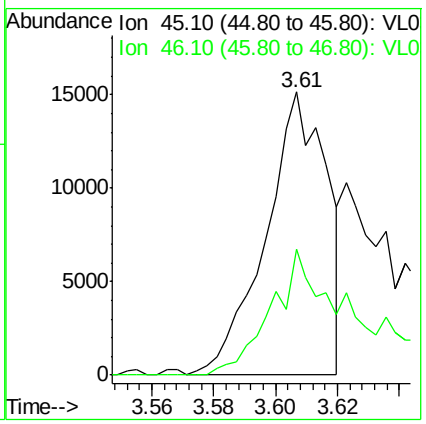


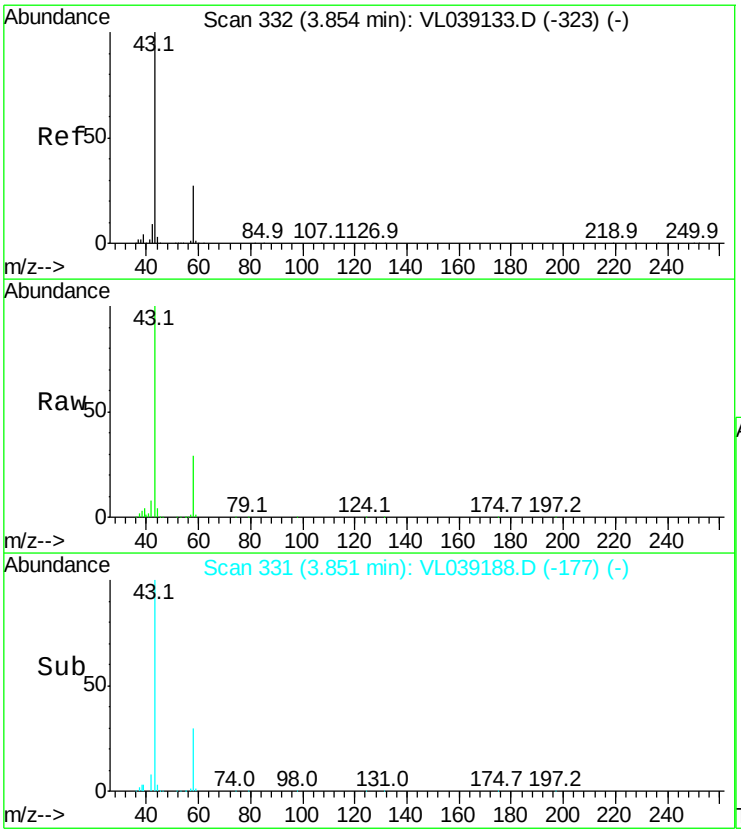
#13
Ethanol
Concen: 5.57 ppbv
RT: 3.61
Delta R.T
Lab File:
Acq: 6 Jun 2022 16:11

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 45 Resp: 20785

Ion	Ratio	Lower	Upper
45	100		
46	73.8	0.0	0.0#

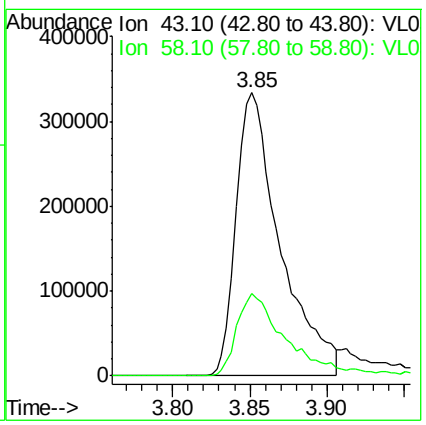


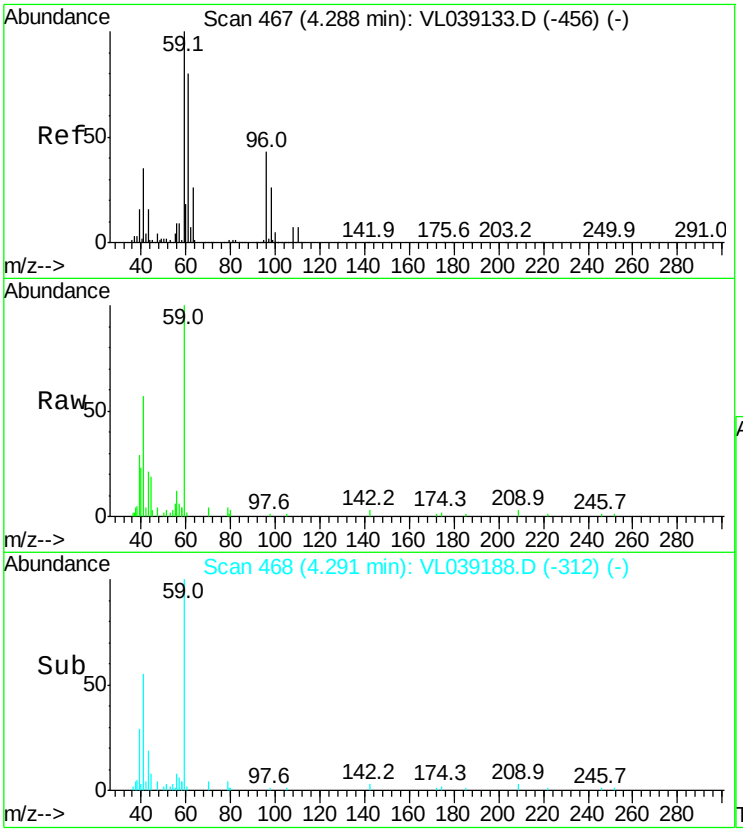


#15
Acetone
Concen: 5.14 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

Tgt Ion: 43 Resp: 660616

Ion	Ratio	Lower	Upper
43	100		
58	33.5	22.5	33.7



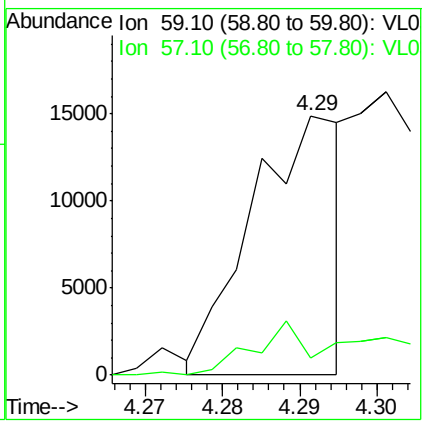


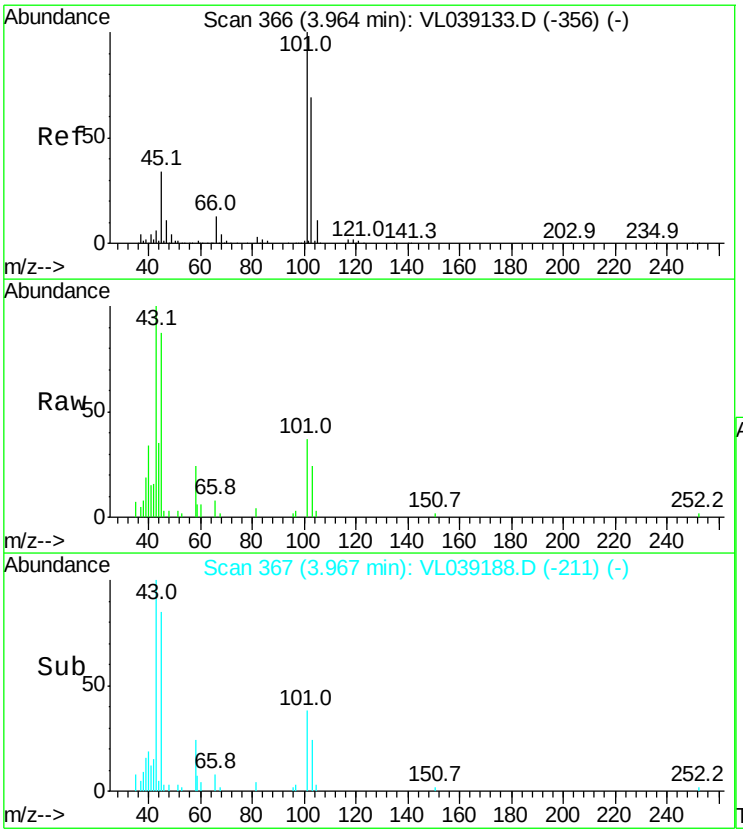
#17
tert-Butyl alcohol
Concen: 0.12 ppbv
RT: 4.29
Delta R.T
Lab File:
Acq: 6 Jun 2022 16:11

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 59 Resp: 12095

Ion	Ratio	Lower	Upper
59	100		
57	41.5	9.1	13.7#

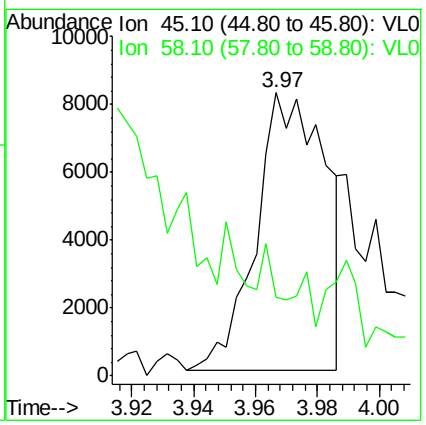


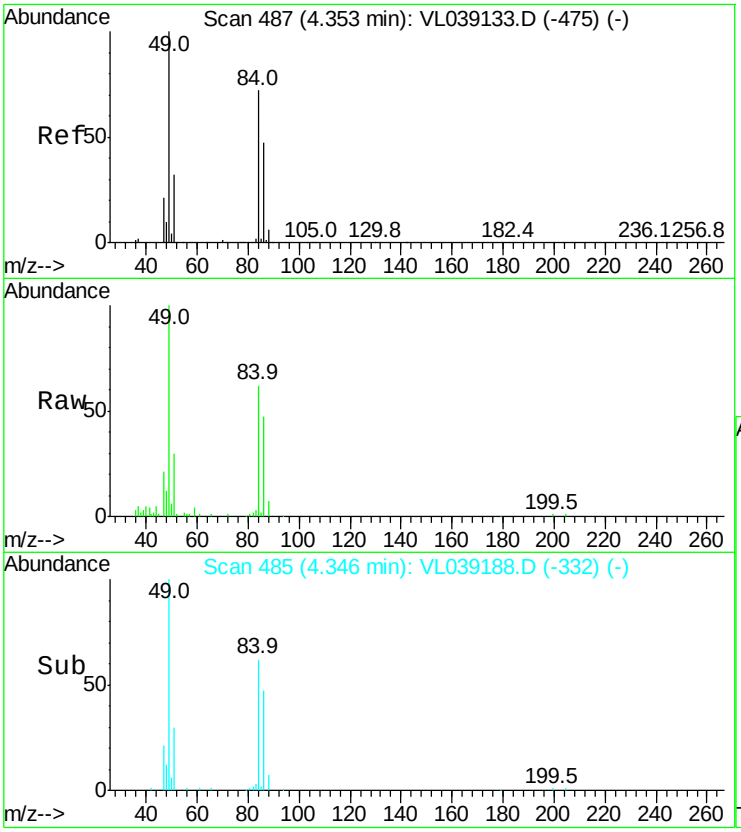


#19
Isopropyl Alcohol
Concen: 0.21 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.00 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

Tgt Ion: 45 Resp: 12699

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.8#



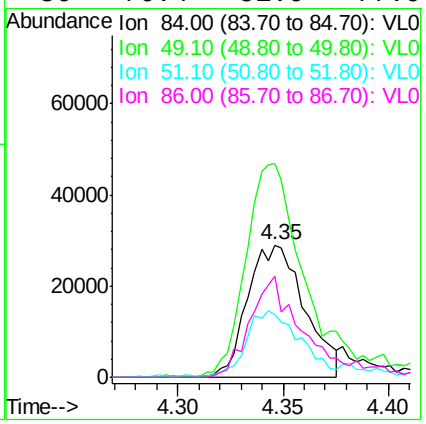


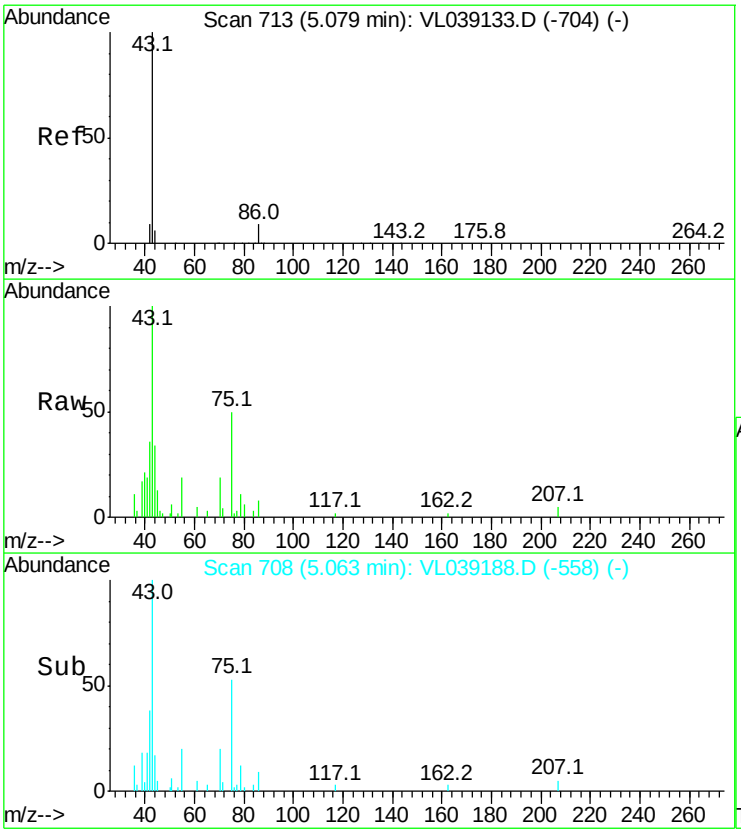
#20
Methylene Chloride
Concen: 1.01 ppbv
RT: 4.35
Delta R.T
Lab File:
Acq: 6 Jun 2022 16:11

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 84 Resp: 54649

Ion	Ratio	Lower	Upper
84	100		
49	160.5	111.1	166.7
51	46.0	35.3	52.9
86	76.4	51.9	77.9

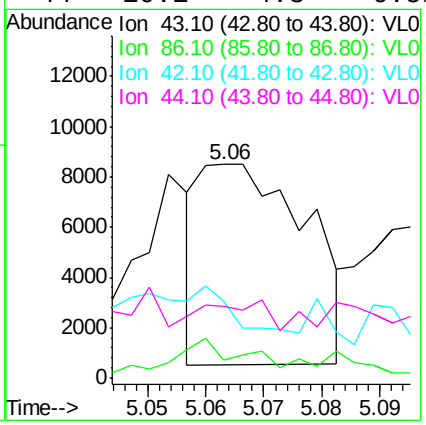


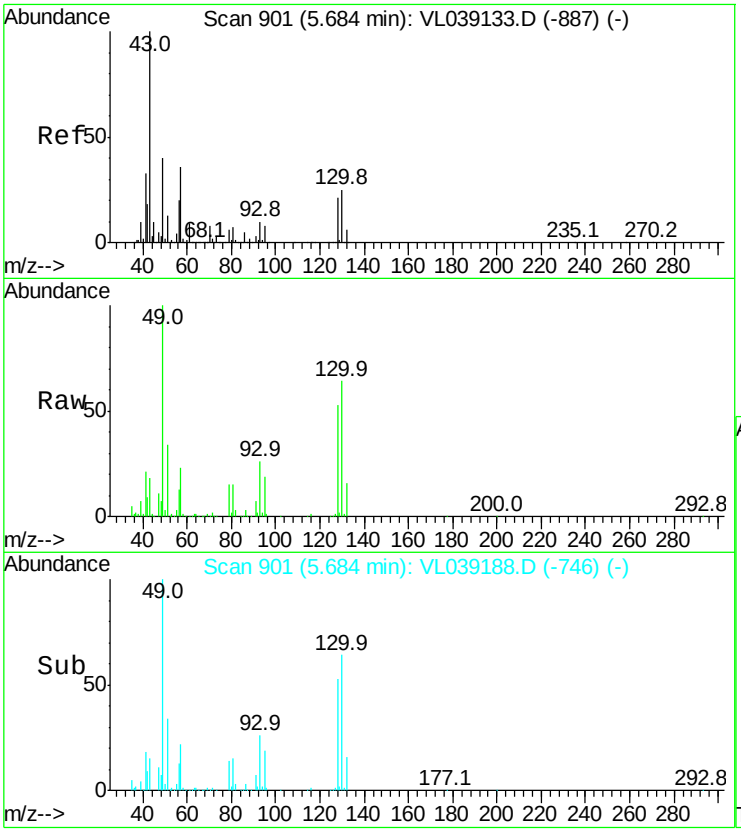


#23
Vinyl Acetate
Concen: 0.10 ppbv
RT: 5.06 min Scan# 708
Delta R.T. -0.02 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

Tgt Ion: 43 Resp: 10196

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.0	9.0#
42	29.4	8.2	12.4#
44	10.1	4.3	6.5#



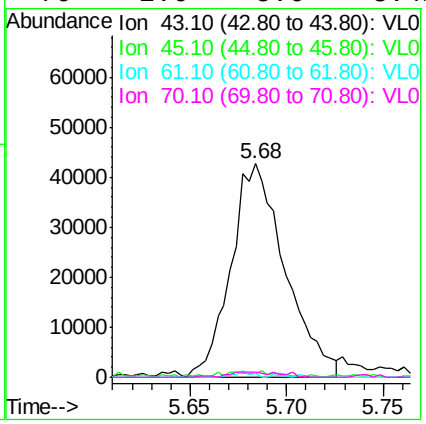


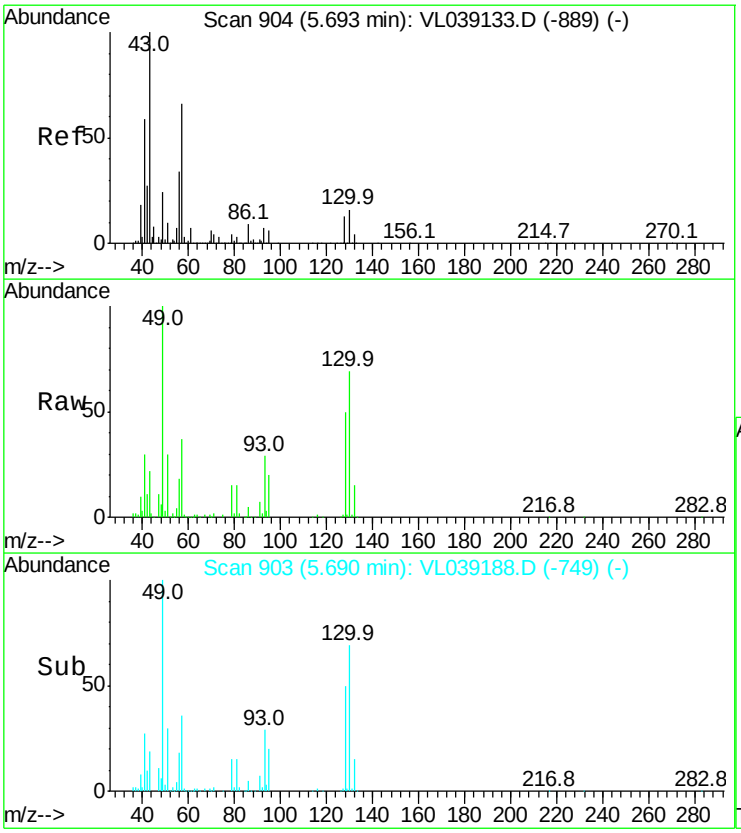
#25
Ethyl Acetate
Concen: 0.29 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 6 Jun 2022 16:11

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 43 Resp: 83138

Ion	Ratio	Lower	Upper
43	100		
45	2.5	8.2	12.2#
61	1.0	8.4	12.6#
70	2.6	5.6	8.4#

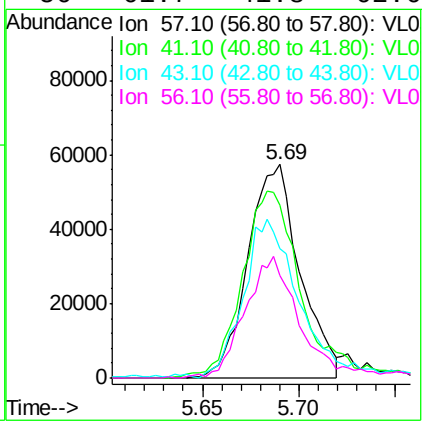


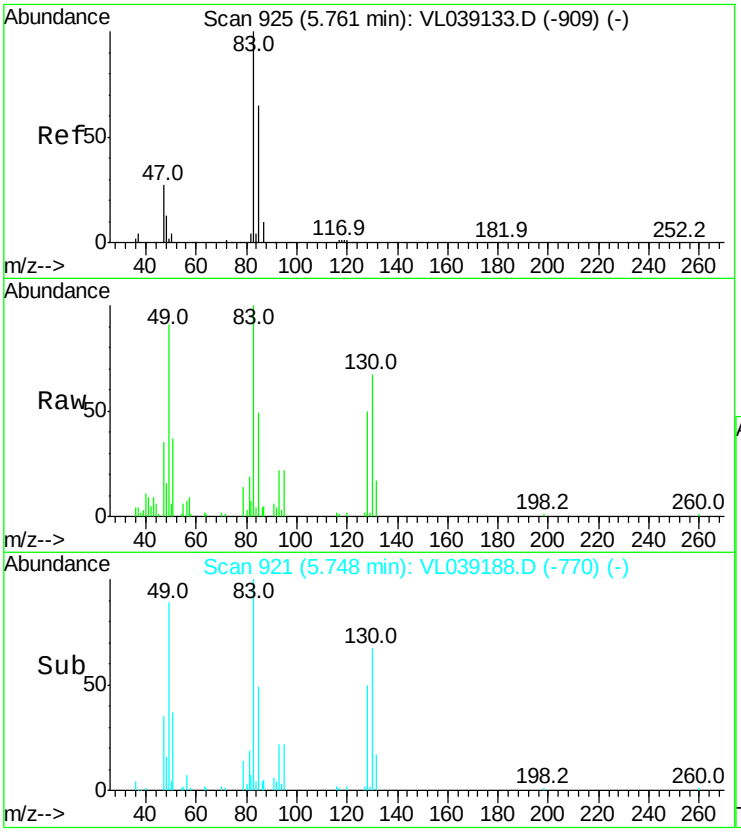


#26
Hexane
Concen: 0.84 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

Tgt Ion: 57 Resp: 107451

Ion	Ratio	Lower	Upper
57	100		
41	102.1	72.4	108.6
43	79.8	187.0	280.6#
56	61.7	41.8	62.6



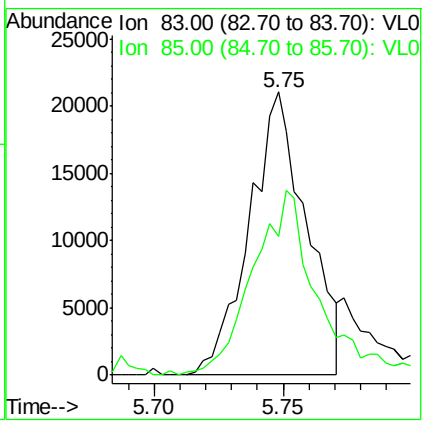


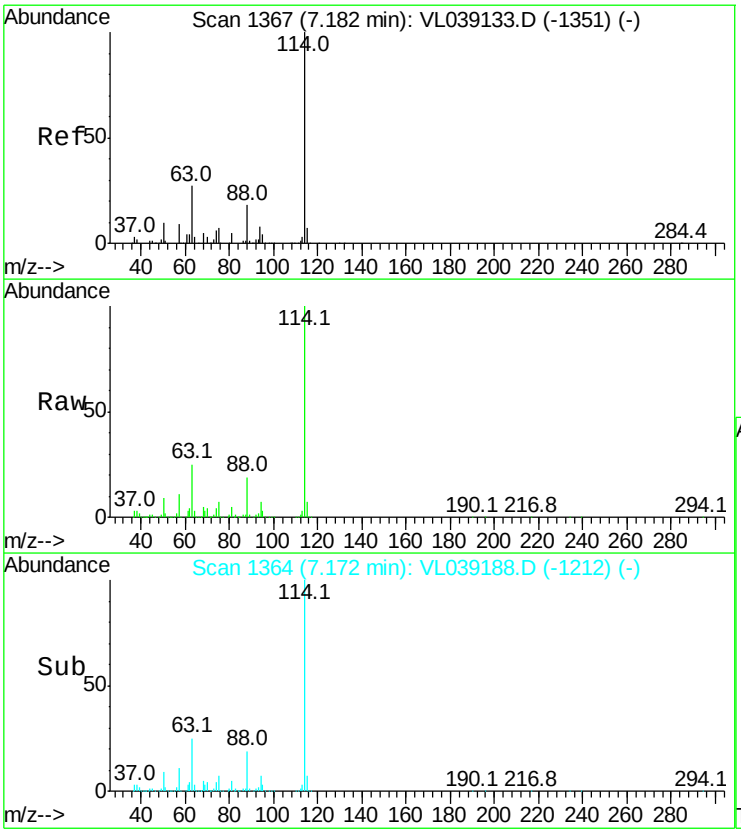
#29
Chloroform
Concen: 0.15 ppbv
RT: 5.75
Delta R.T
Lab File:
Acq: 6 Jun 2022 16:11

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 83 Resp: 32627

Ion	Ratio	Lower	Upper
83	100		
85	48.0	52.4	78.6#

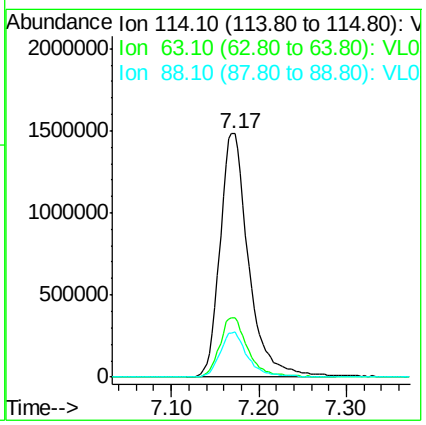


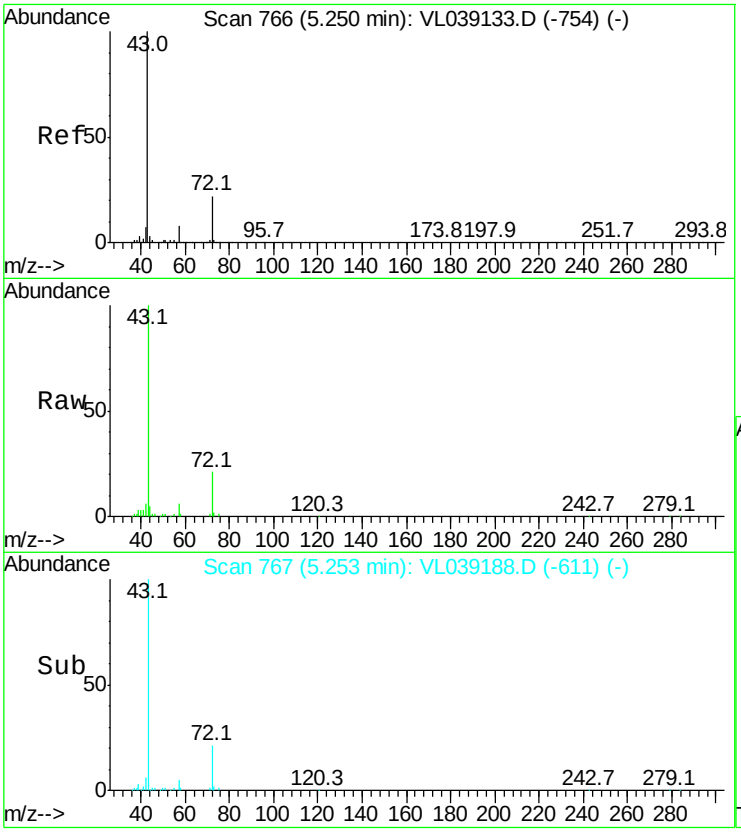


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

Tgt Ion:114 Resp: 3365582

Ion	Ratio	Lower	Upper
114	100		
63	24.4	21.7	32.5
88	18.1	14.8	22.2



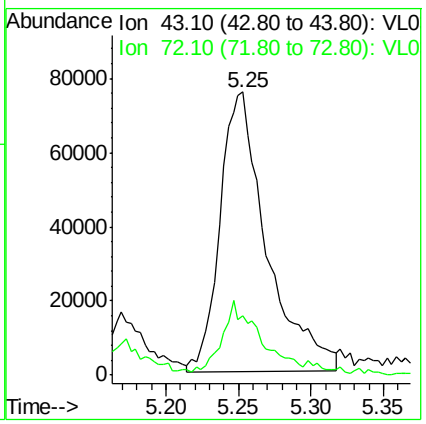


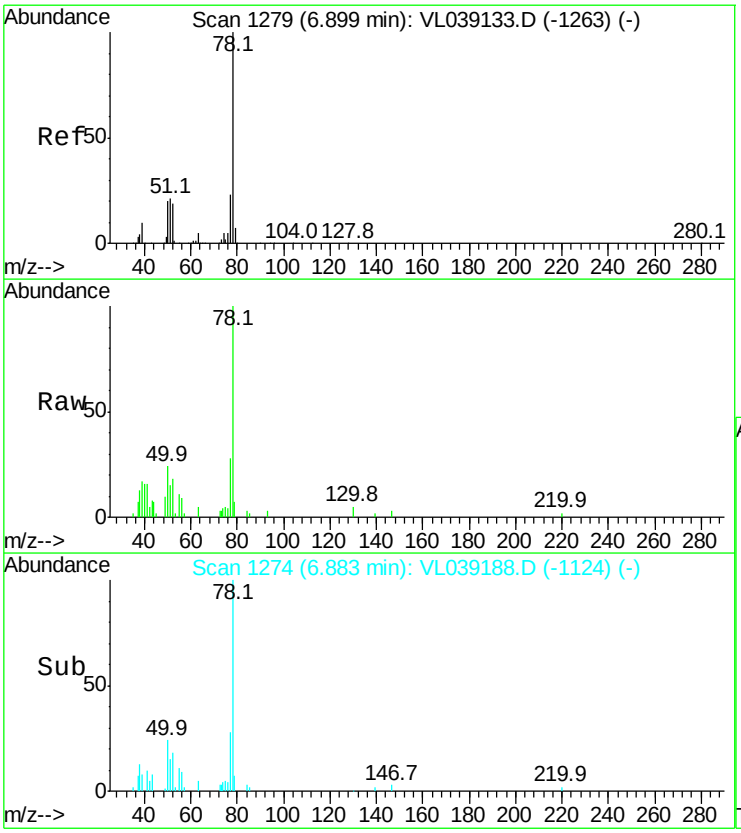
#34
2-Butanone
Concen: 0.92 ppbv
RT: 5.25
Delta R.T
Lab File:
Acq: 6 Jun 2022 16:11

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 43 Resp: 168825

Ion	Ratio	Lower	Upper
43	100		
72	25.5	18.2	27.2

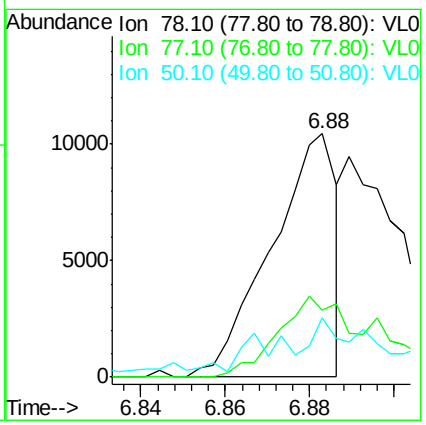


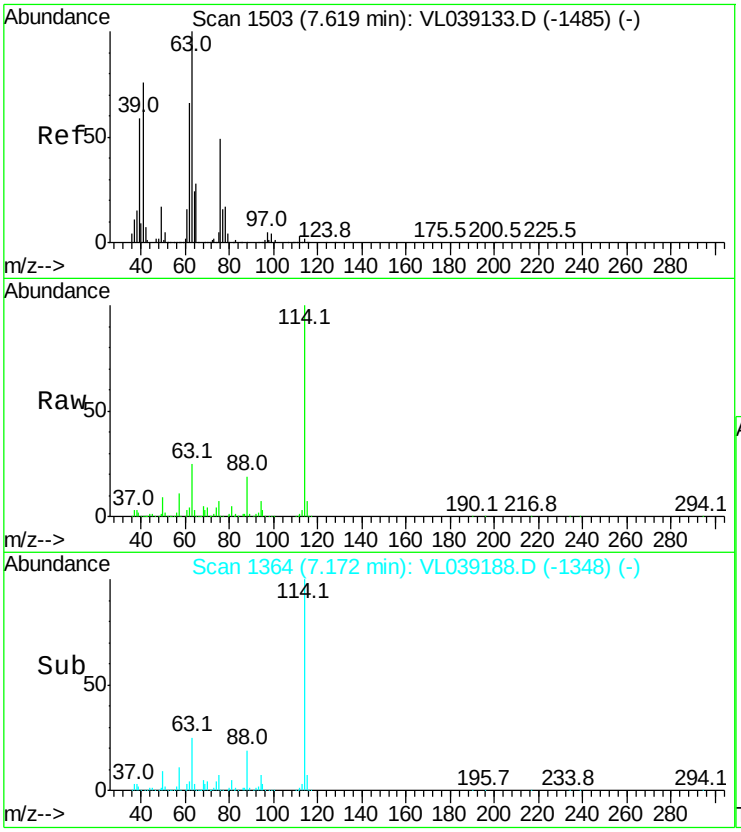


#36
Benzene
Concen: 0.04 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

Tgt Ion: 78 Resp: 11211

Ion	Ratio	Lower	Upper
78	100		
77	27.5	18.6	27.8
50	21.3	15.8	23.8



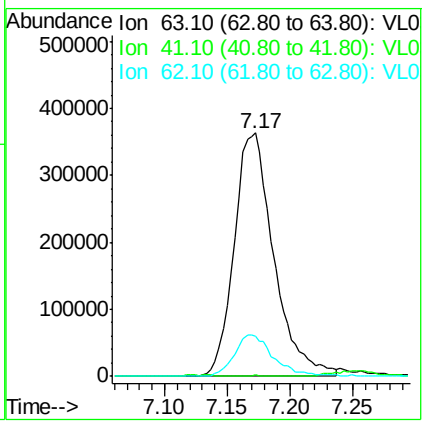


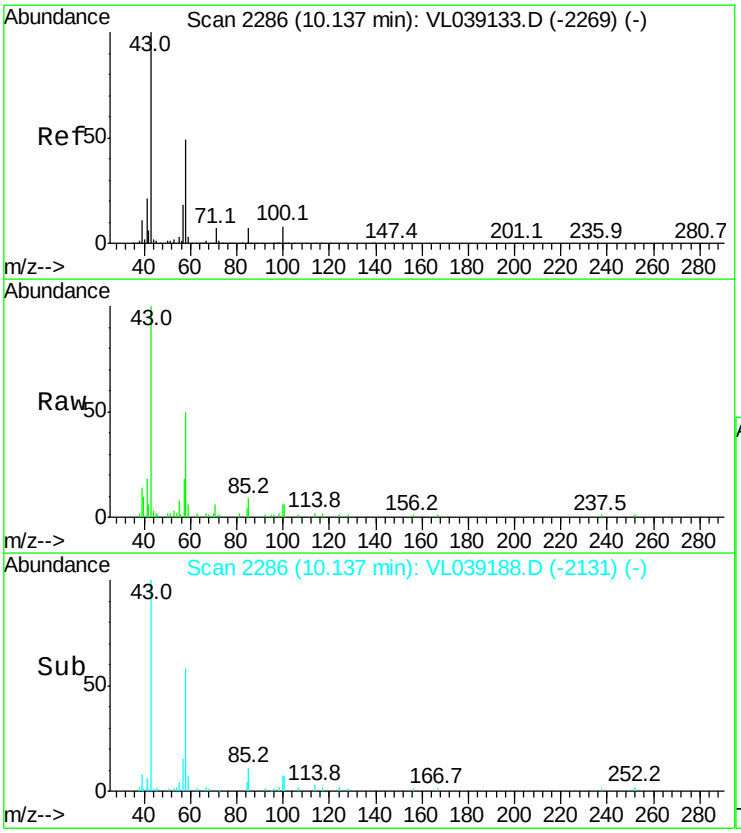
#39
1,2-Dichloropropane
Concen: 7.33 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 6 Jun 2022 16:11

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 63 Resp: 796767

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	16.4	52.9	79.3#

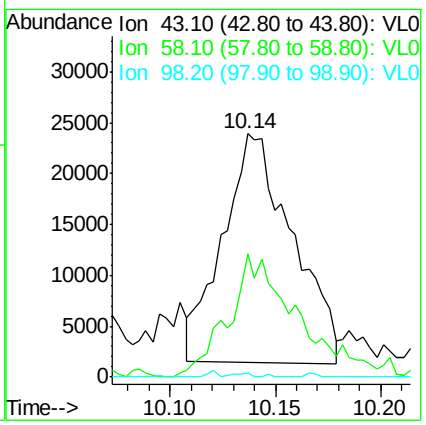


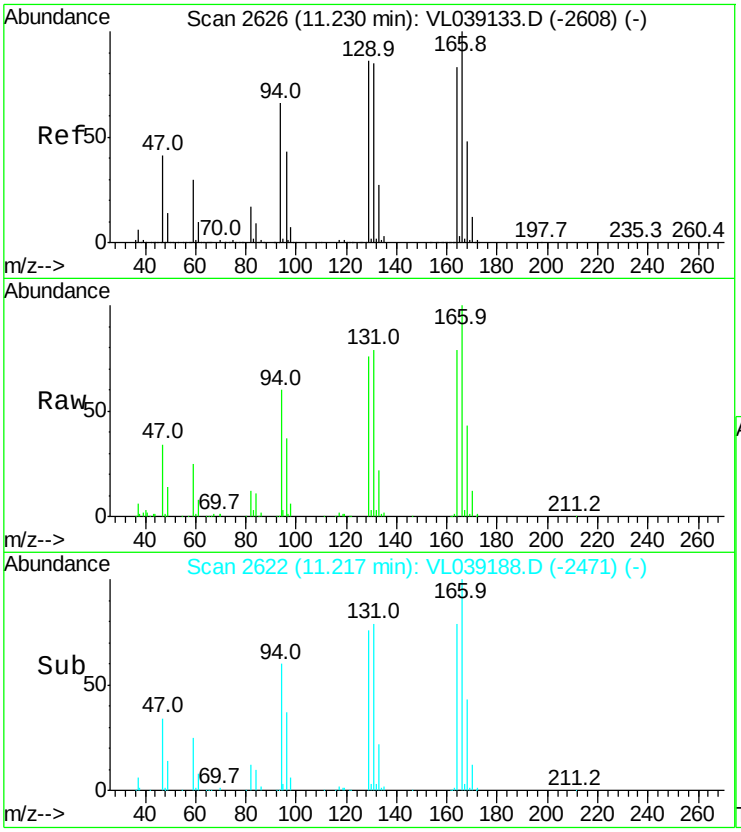


#51
2-Hexanone
Concen: 0.24 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

Tgt Ion: 43 Resp: 51693

Ion	Ratio	Lower	Upper
43	100		
58	55.5	40.0	60.0
98	0.5	0.1	0.1#



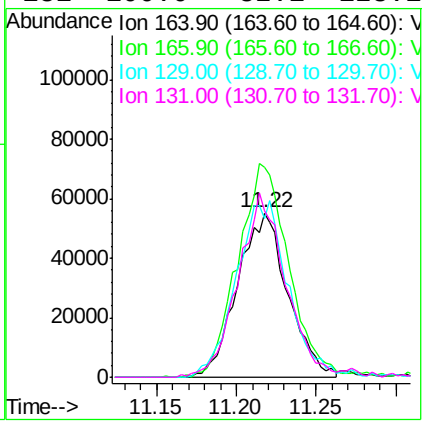


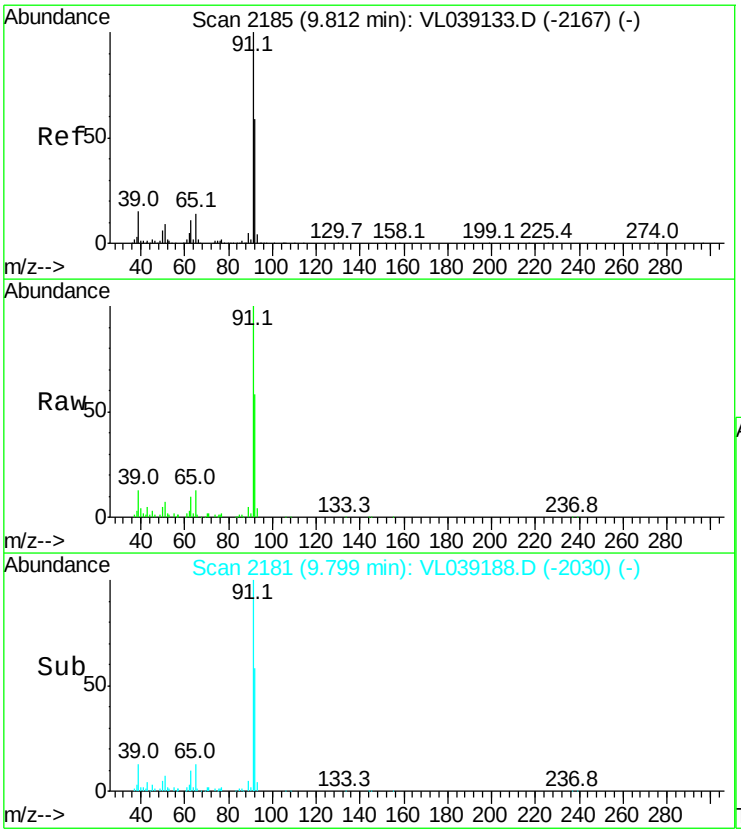
#52
Tetrachloroethene
Concen: 1.12 ppbv
RT: 11.22
Delta R.T
Lab File:
Acq: 6 Jun 2022 16:11

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion:164 Resp: 119046

Ion	Ratio	Lower	Upper
164	100		
166	126.1	96.3	144.5
129	96.6	82.5	123.7
131	100.0	82.1	123.1

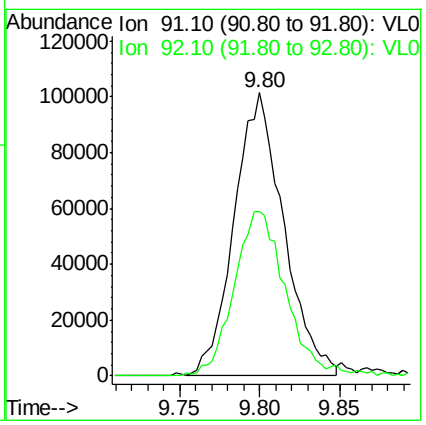


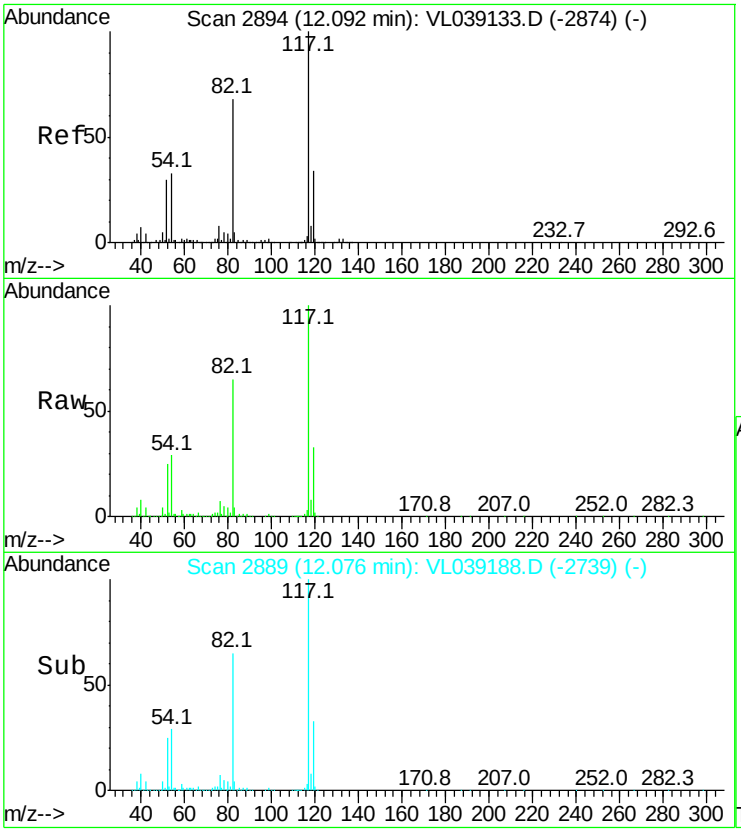


#53
Toluene
Concen: 0.68 ppbv
RT: 9.80 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

Tgt Ion: 91 Resp: 213284

Ion	Ratio	Lower	Upper
91	100		
92	61.8	48.1	72.1



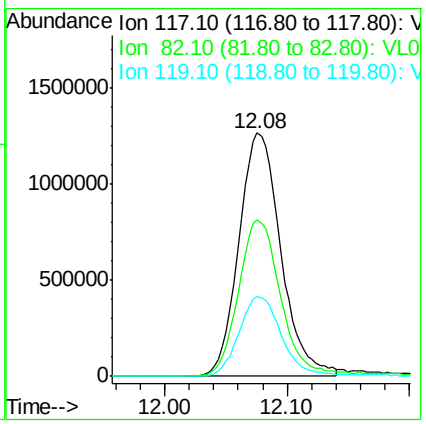


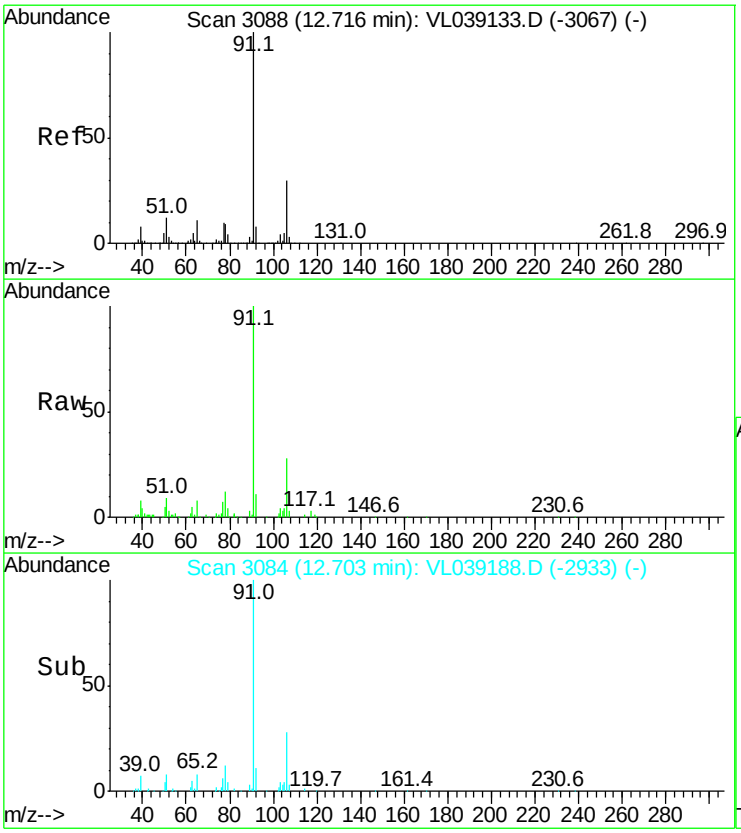
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.08
Delta R.T
Lab File:
Acq: 6 Jun 2022 16:11

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion:117 Resp: 3018039

Ion	Ratio	Lower	Upper
117	100		
82	67.5	55.1	82.7
119	34.1	24.7	37.1

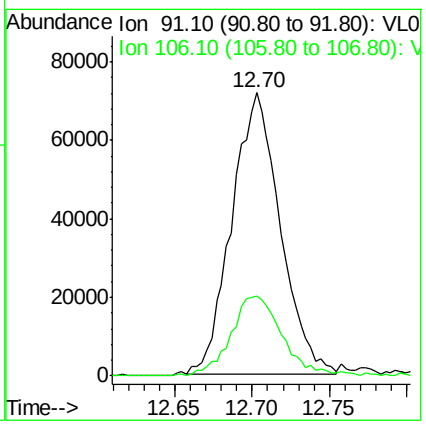


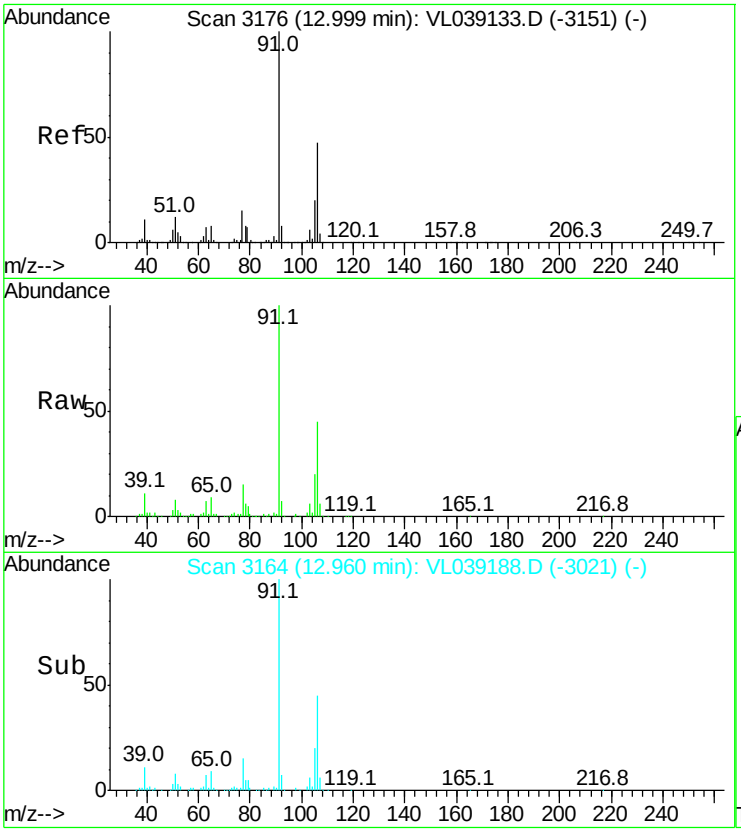


#58
Ethyl Benzene
Concen: 0.37 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. -0.01 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

Tgt Ion: 91 Resp: 155246

Ion	Ratio	Lower	Upper
91	100		
106	28.5	24.2	36.4



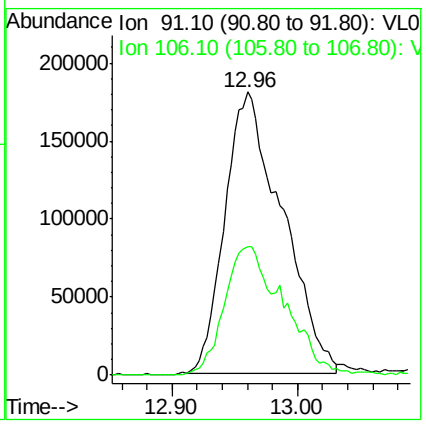


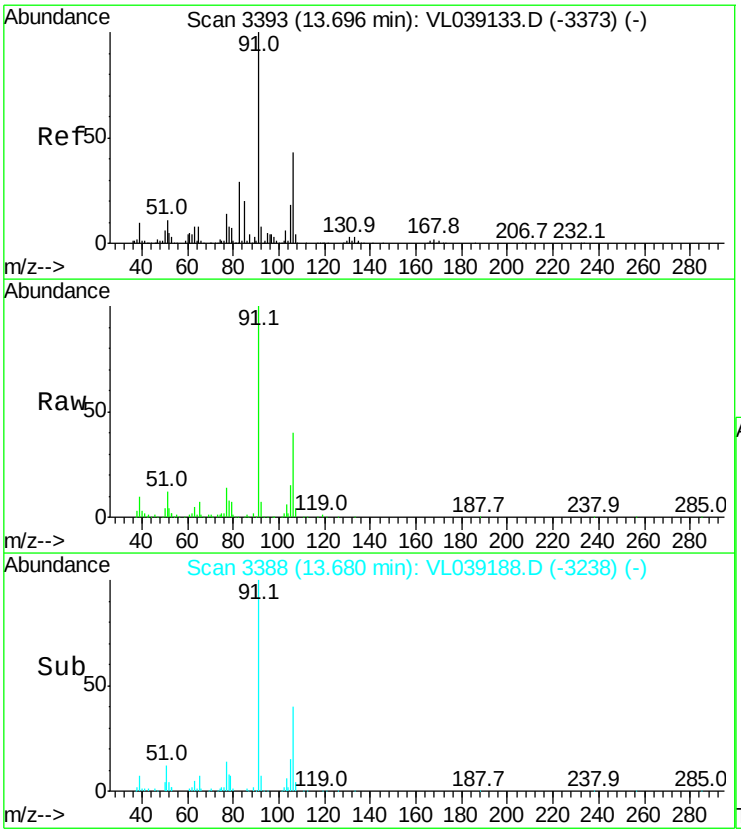
#59
m/p-Xylene
Concen: 1.56 ppbv
RT: 12.96
Delta R.T
Lab File:
Acq: 6 Jun 2022 16:11

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 91 Resp: 569521

Ion	Ratio	Lower	Upper
91	100		
106	47.8	34.3	51.5

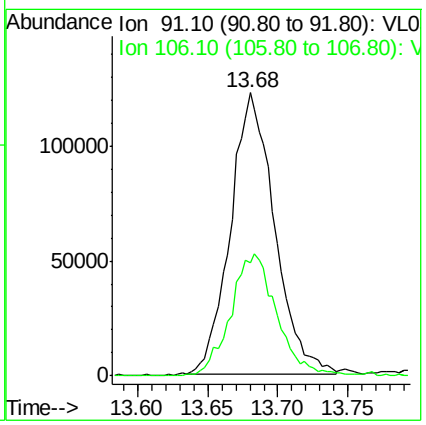


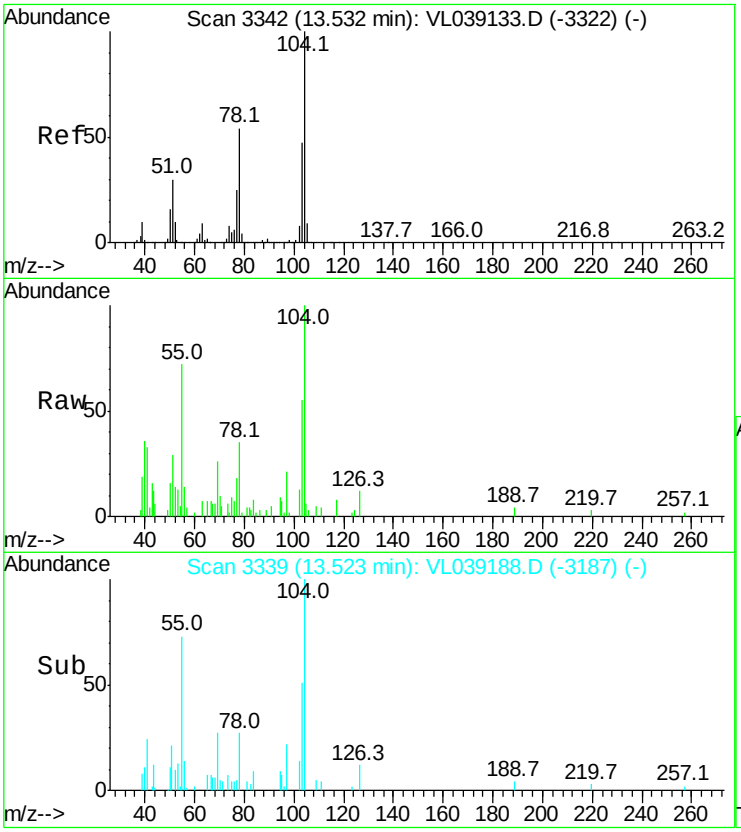


#60
o-Xylene
Concen: 0.78 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.02 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

Tgt Ion: 91 Resp: 269183

Ion	Ratio	Lower	Upper
91	100		
106	45.0	22.3	66.9



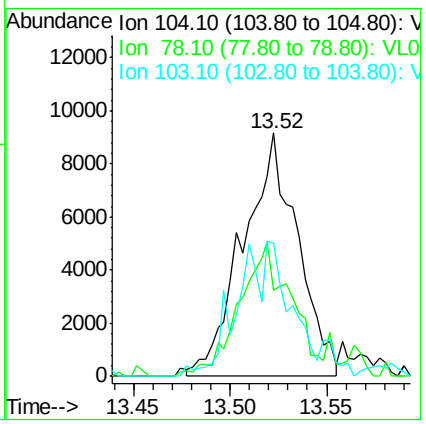


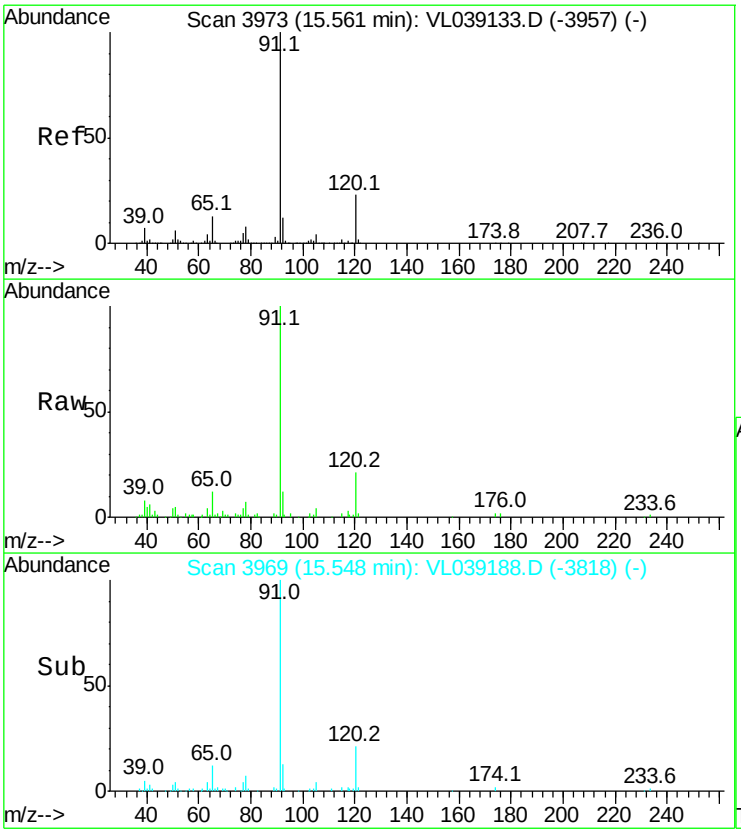
#61
Styrene
Concen: 0.10 ppbv
RT: 13.52
Delta R.T
Lab File:
Acq: 6 Jun 2022 16:11

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion:104 Resp: 17905

Ion	Ratio	Lower	Upper
104	100		
78	58.7	45.7	68.5
103	57.8	39.6	59.4

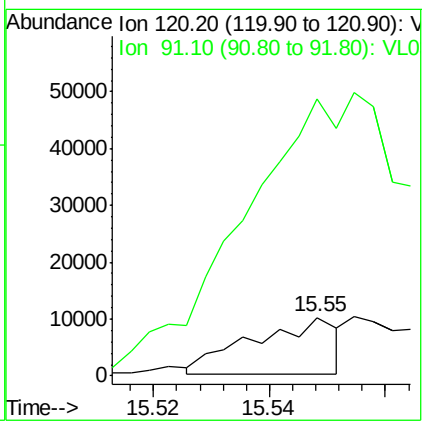


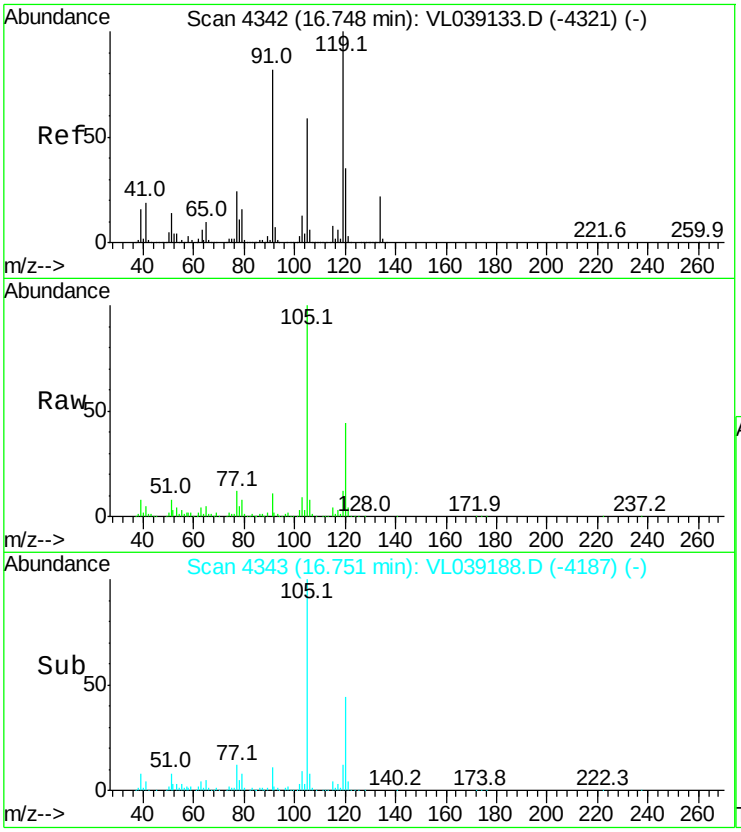


#64
n-propylbenzene
Concen: 0.08 ppbv
RT: 15.55 min Scan# 3969
Delta R.T. -0.01 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

Tgt Ion:120 Resp: 10201

Ion	Ratio	Lower	Upper
120	100		
91	0.0	388.4	582.6#



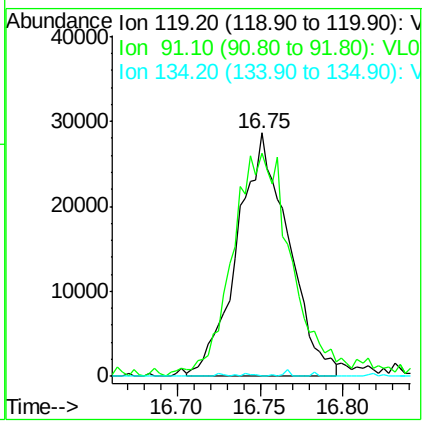


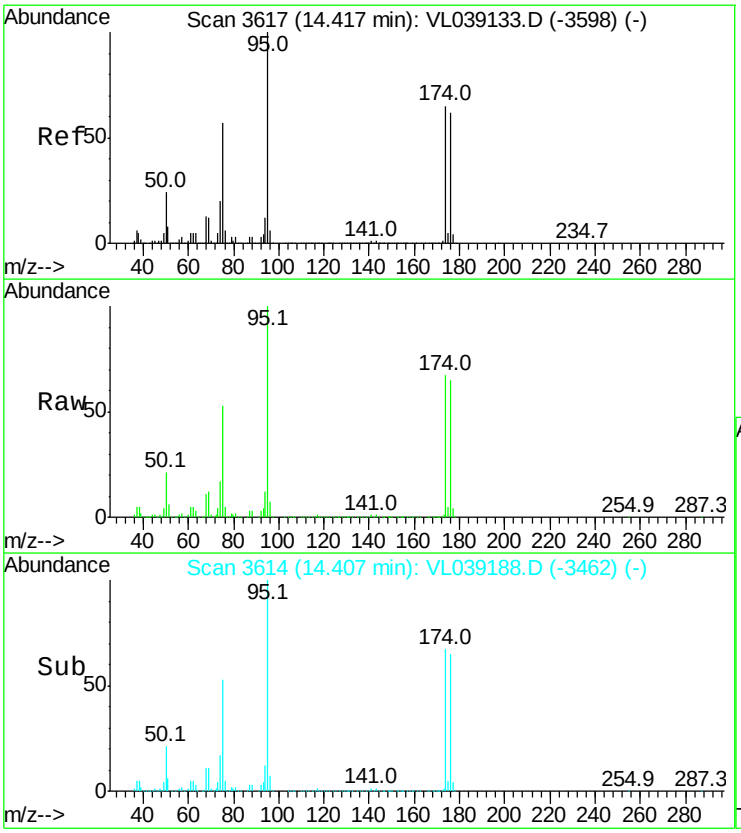
#65
tert-Butylbenzene
Concen: 0.13 ppbv
RT: 16.75
Delta R.T
Lab File:
Acq: 6 Jun 2022 16:11

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion:119 Resp: 61650

Ion	Ratio	Lower	Upper
119	100		
91	106.7	67.1	100.7#
134	1.0	15.8	23.8#

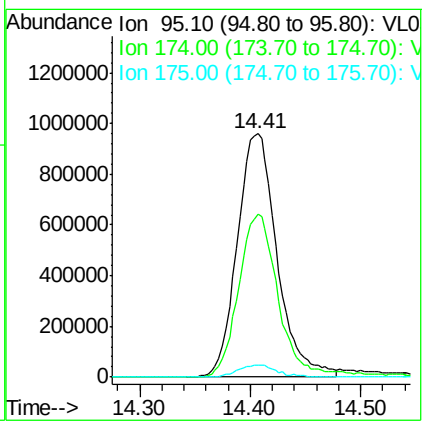


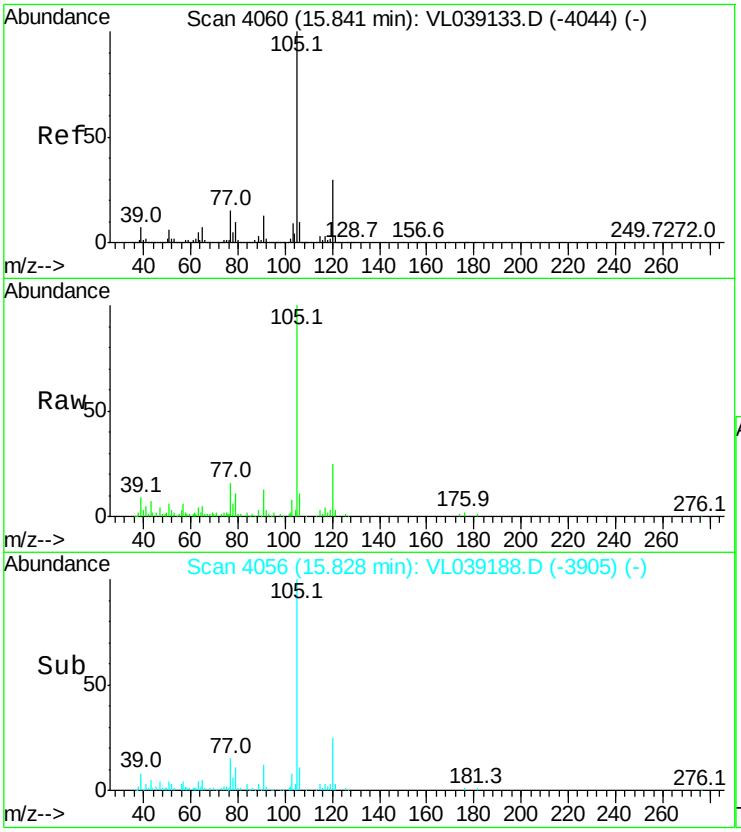


#68
1-Bromo-4-Fluorobenzene
Concen: 9.62 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. -0.01 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

Tgt Ion: 95 Resp: 2401495

Ion	Ratio	Lower	Upper
95	100		
174	69.4	53.8	80.8
175	5.1	4.1	6.1



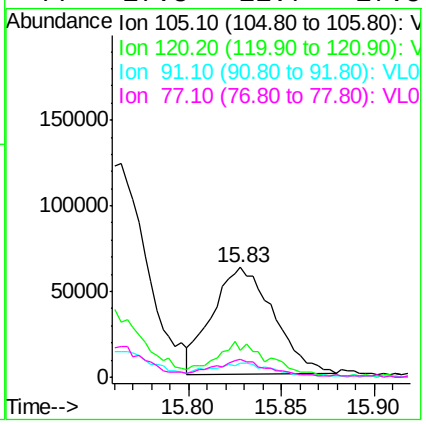


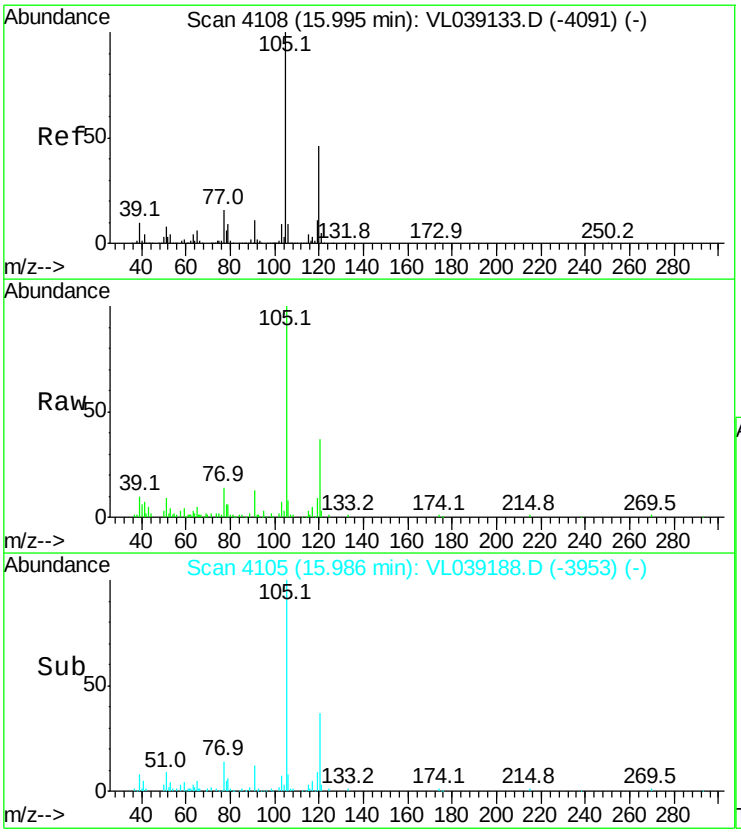
#72
4-Ethyltoluene
Concen: 0.35 ppbv
RT: 15.83
Delta R.T
Lab File:
Acq: 6 Jun 2022 16:11

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion:105 Resp: 141930

Ion	Ratio	Lower	Upper
105	100		
120	32.3	23.9	35.9
91	12.2	10.6	16.0
77	17.3	11.7	17.5

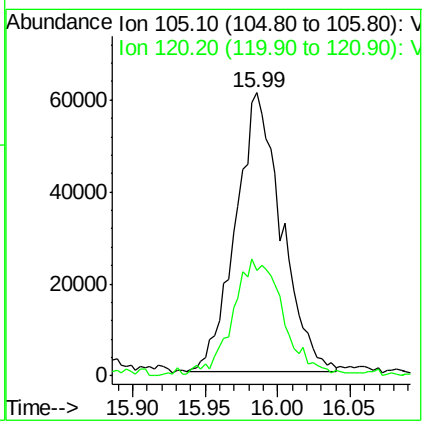


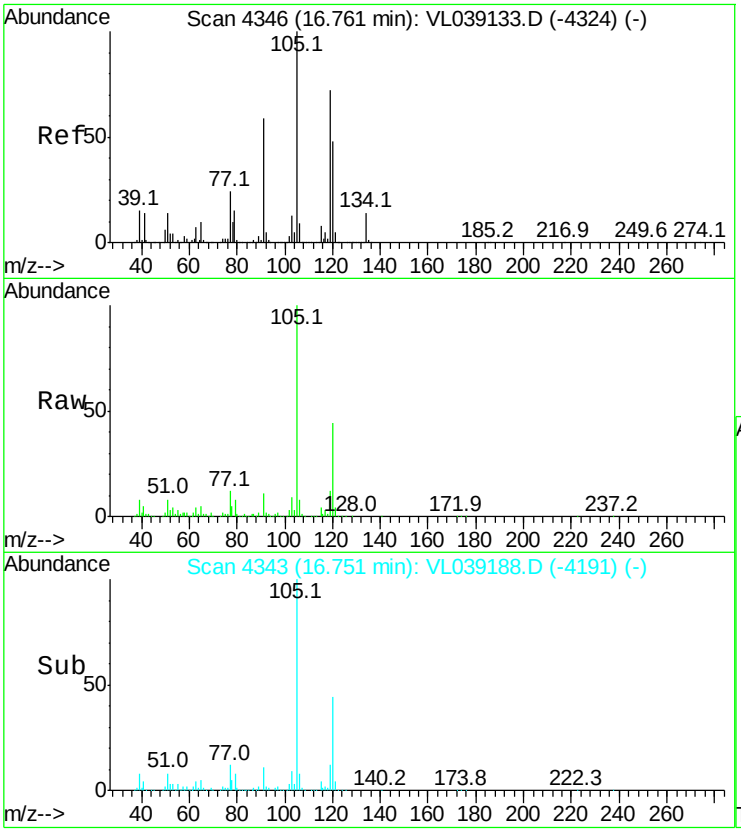


#73
1,3,5-Trimethylbenzene
Concen: 0.37 ppbv
RT: 15.99 min Scan# 4105
Delta R.T. -0.01 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

Tgt Ion:105 Resp: 133626

Ion	Ratio	Lower	Upper
105	100		
120	37.0	36.7	55.1



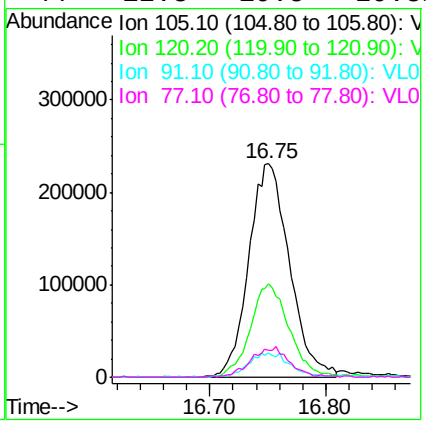


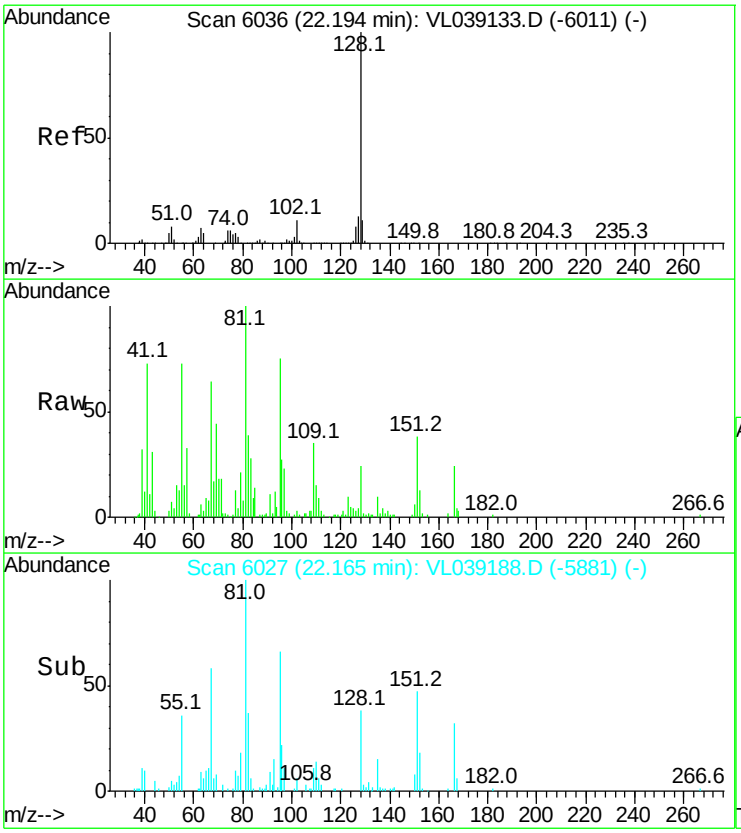
#74
1,2,4-Trimethylbenzene
Concen: 1.39 ppbv
RT: 16.75
Delta R.T
Lab File:
Acq: 6 Jun 2022 16:11

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion:105 Resp: 562251

Ion	Ratio	Lower	Upper
105	100		
120	43.9	38.1	57.1
91	11.4	47.4	71.0#
77	12.3	19.5	29.3#





#79
Naphthalene
Concen: 0.04 ppbv
RT: 22.17 min Scan# 6027
Delta R.T. -0.03 min
Lab File: VL039188.D
Acq: 6 Jun 2022 16:11

Tgt Ion:128 Resp: 11262

Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.4	15.6
129	8.2	9.0	13.6#