Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030822\
Data File : VL038558.D
Acq On : 8 Mar 2022 14:16
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICC0.03

Quant Time: Mar 08 14:50:21 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 08 13:53:01 2022
QLast Update : Tue Mar 08 13:53:01 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	952815	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.16	114	2355636	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	2051907	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	1570221	9.25	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	12676	0.08	ppbv		91
3) Chlorodifluoromethane	2.98	51	12289	0.07	ppbv		97
5) Vinyl Chloride	3.25	62	3918	0.06	ppbv		90
6) Bromomethane	3.47	94	1085	0.03	ppbv		87
7) Chloroethane	3.55	64	1254	0.06	ppbv	#	41
8) Dichlorotetrafluoroethane	3.18	85	5738	0.04	ppbv	#	13
9) Propene	3.01	41	3643	0.07	ppbv	#	15
11) Trichlorofluoromethane	3.95	101	8307	0.06	ppbv		96
12) 1,1,2-Trichlorotrifluoroet	4.47	101	3474	0.03	ppbv	#	10
14) Bromoethene	3.74	108	2044	0.05	ppbv	#	62
15) Acetone	3.87	43	3539	0.04	ppbv	#	32
16) 1,3-Butadiene	3.32	39	1723	0.03	ppbv	#	1
18) 1,1-Dichloroethene	4.28	96	1842	0.04	ppbv	#	69
20) Methylene Chloride	4.34	84	1540	0.04	ppbv	#	62
21) Allyl Chloride	4.41	41	4522	0.07	ppbv	#	85
24) 1,1-Dichloroethane	5.00	63	5921	0.06	ppbv	#	88
28) Methyl tert-Butyl Ether	5.05	73	5020	0.05	ppbv		99
29) Chloroform	5.74	83	6288	0.04	ppbv		98
30) Cyclohexane	7.12	84	3365	0.04	ppbv	#	4
31) cis-1,2-Dichloroethene	5.54	61	5751	0.06	ppbv	#	81
32) 1,1,1-Trichloroethane	6.50	97	5470	0.03	ppbv	#	29
35) Carbon Tetrachloride	7.01	117	10085	0.06	ppbv	#	85
36) Benzene	6.87	78	6943	0.03	ppbv	#	88
37) 1,2-Dichloroethane	6.29	62	3870	0.03	ppbv	#	79
38) Trichloroethene	7.82	130	2491	0.03	ppbv	#	79
39) 1,2-Dichloropropane	7.16	63	560419	6.78	ppbv	#	27
42) Bromodichloromethane	7.78	83	6786	0.04	ppbv	#	83
47) 1,1,2-Trichloroethane	9.46	97	2855	0.03	ppbv	#	90
48) Dibromochloromethane	10.29	129	4710	0.04	ppbv		56
59) m/p-Xylene	12.99	91	7313	0.03	ppbv	#	1
60) o-Xylene	13.68	91	9943	0.04	ppbv		98
62) Isopropylbenzene	14.65	105	14062	0.05	ppbv	#	83
70) n-Butylbenzene	18.54	91	10059	0.03	ppbv		94
76) 1,4-Dichlorobenzene	17.13	146	4665	0.04	ppbv	#	33
78) Hexachloro-1,3-Butadiene	23.36	225	5087	0.05	ppbv	#	3

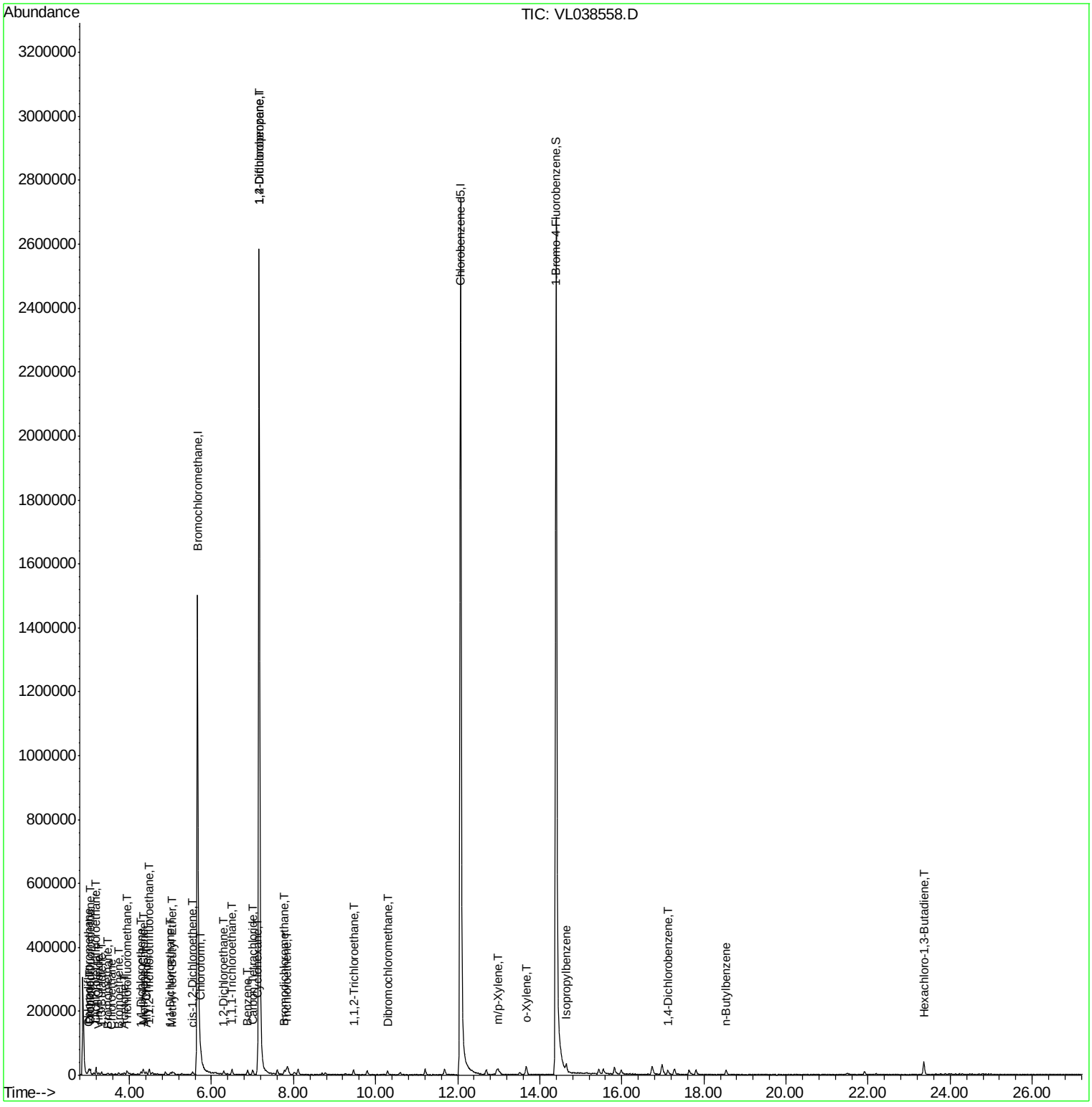
(#) = qualifier out of range (m) = manual integration (+) = signals summed

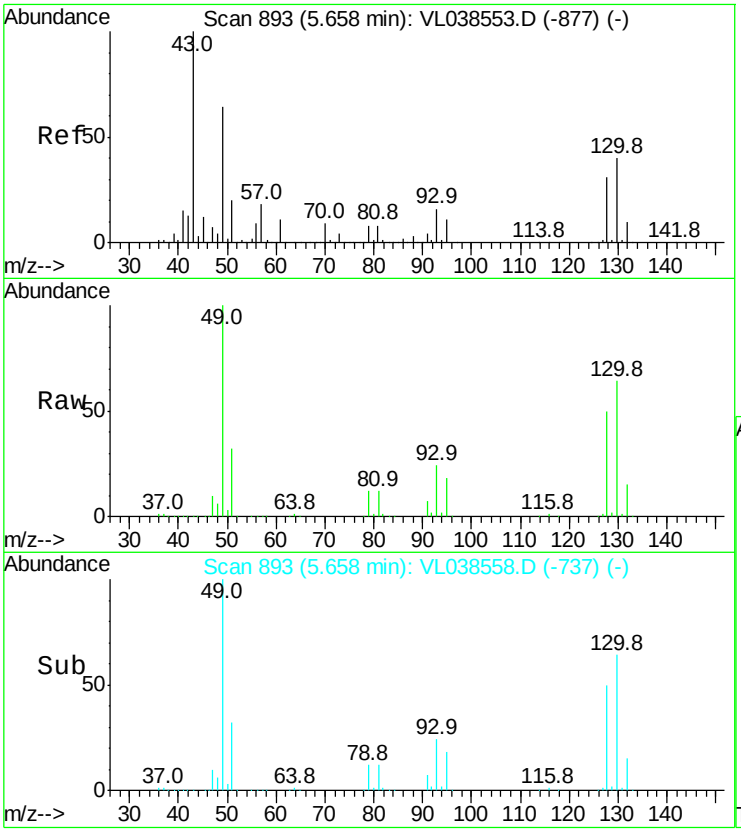
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030822\
Data File : VL038558.D
Acq On : 8 Mar 2022 14:16
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Mar 08 14:50:21 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Mar 08 13:53:01 2022
QLast Update : Tue Mar 08 13:53:01 2022
Response via : Initial Calibration



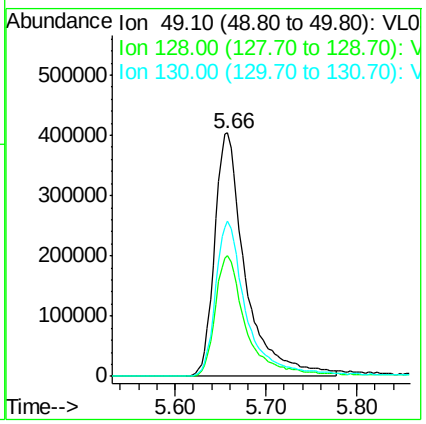


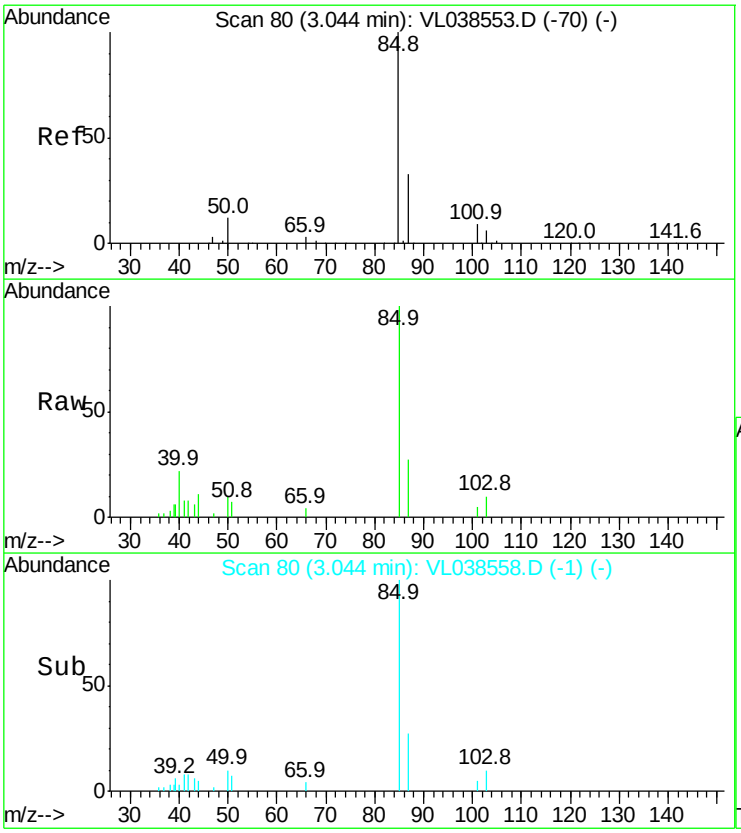
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 8 Mar 2022 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 49 Resp: 952815

Ion	Ratio	Lower	Upper
49	100		
128	51.1	26.4	79.2
130	66.0	33.0	98.9

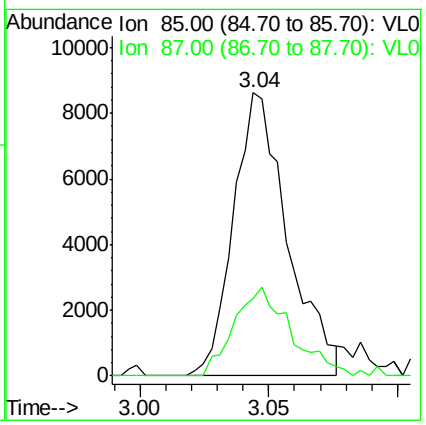


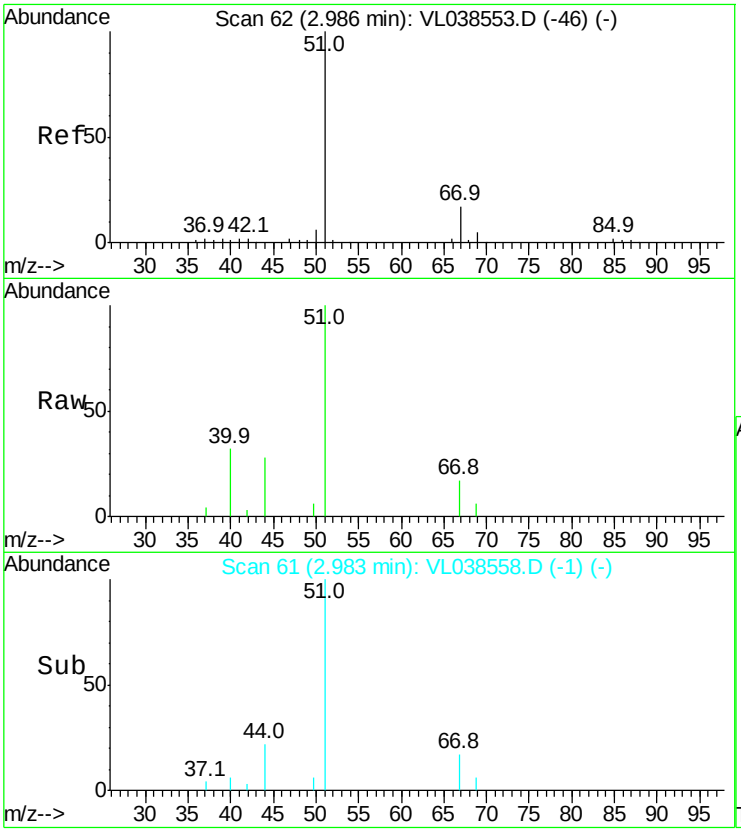


#2
Dichlorodifluoromethane
Concen: 0.08 ppbv
RT: 3.04 min Scan# 80
Delta R.T. -0.00 min
Lab File: VL038558.D
Acq: 8 Mar 2022 14:16

Tgt Ion: 85 Resp: 12676

Ion	Ratio	Lower	Upper
85	100		
87	27.5	26.2	39.2



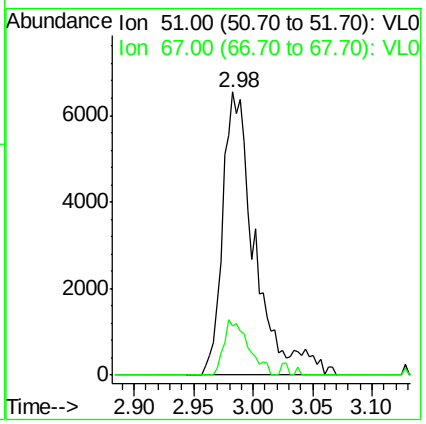


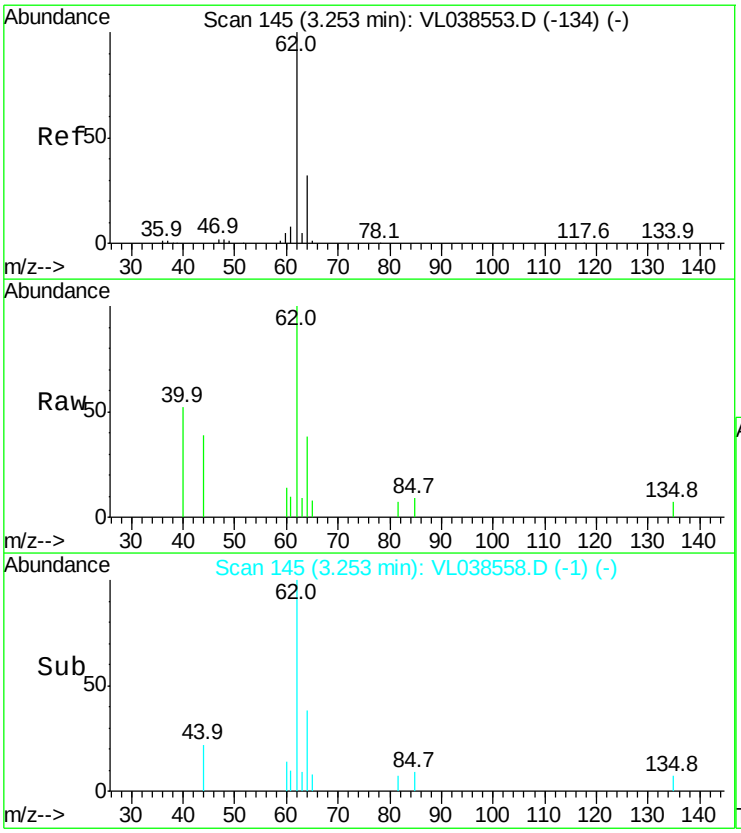
#3
Chlorodifluoromethane
Concen: 0.07 ppbv
RT: 2.98
Delta R.T
Lab File:
Acq: 8 Mar 2022 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 51 Resp: 12289

Ion	Ratio	Lower	Upper
51	100		
67	15.6	13.6	20.4

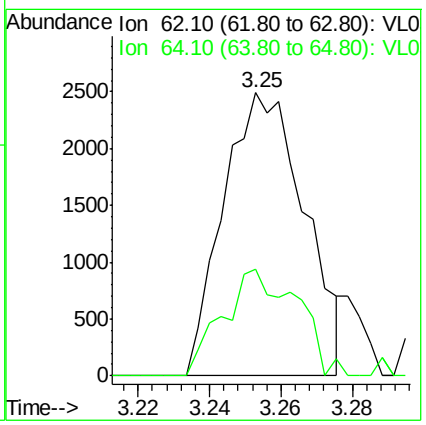


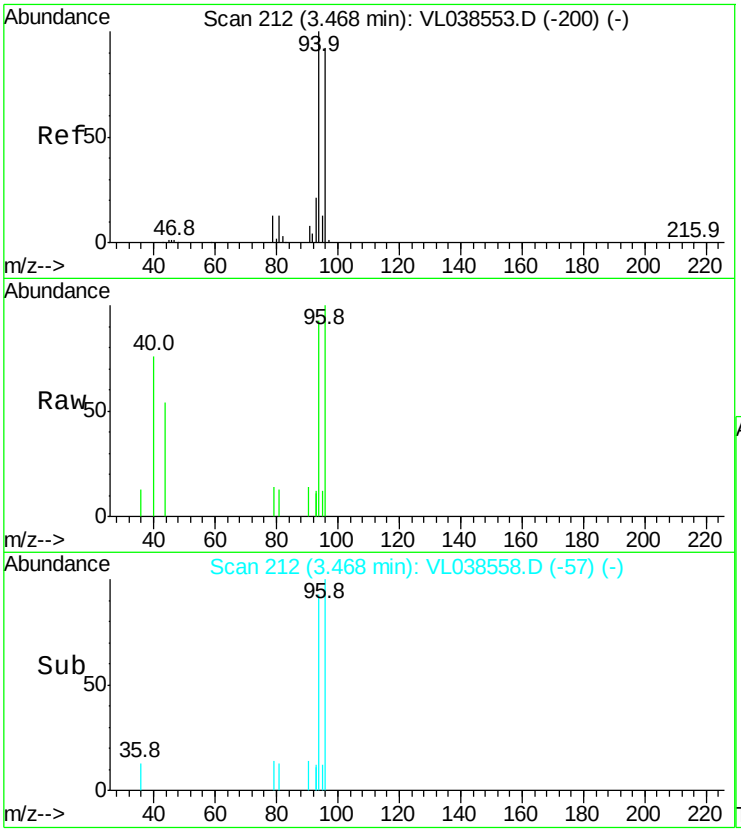


#5
Vinyl Chloride
Concen: 0.06 ppbv
RT: 3.25 min Scan# 145
Delta R.T. -0.00 min
Lab File: VL038558.D
Acq: 8 Mar 2022 14:16

Tgt Ion: 62 Resp: 3918

Ion	Ratio	Lower	Upper
62	100		
64	37.6	25.8	38.6



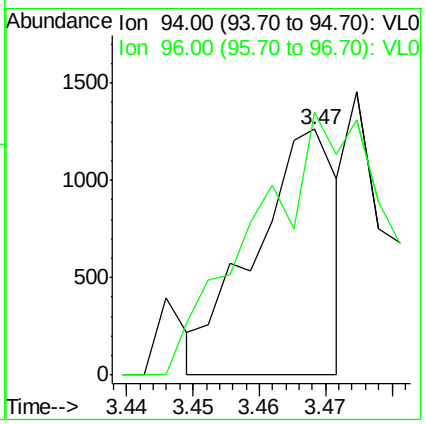


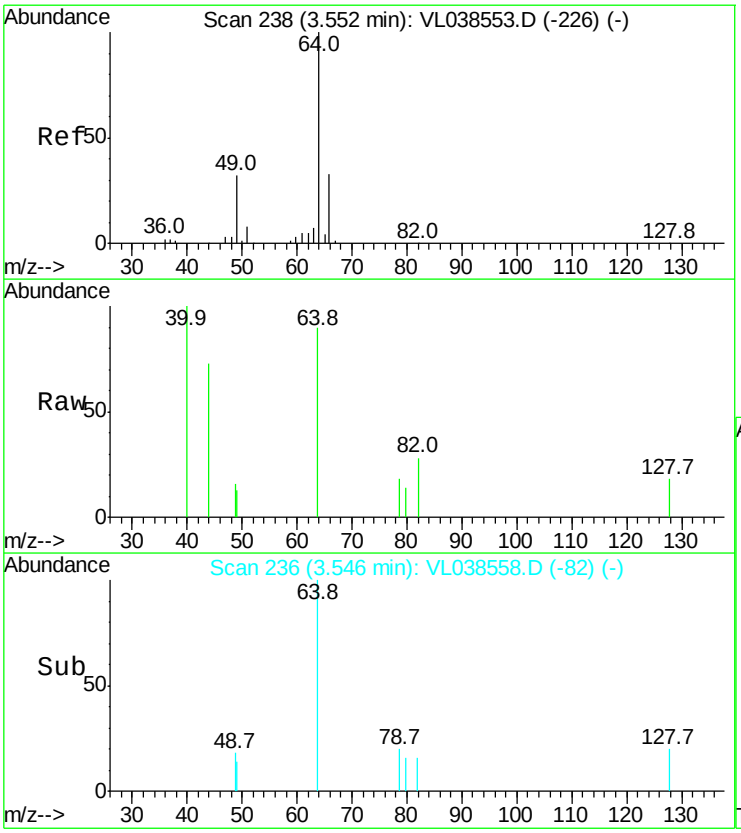
#6
Bromomethane
Concen: 0.03 ppbv
RT: 3.47
Delta R.T
Lab File:
Acq: 8 Mar 2022 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 94 Resp: 1085

Ion	Ratio	Lower	Upper
94	100		
96	104.2	73.7	110.5

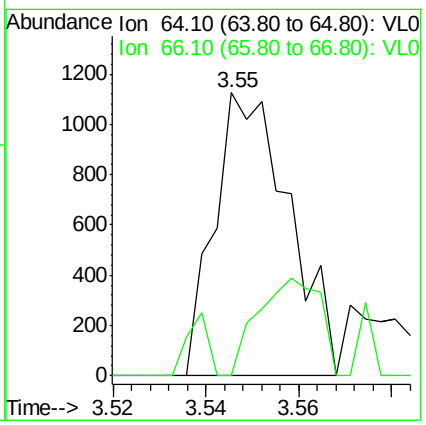


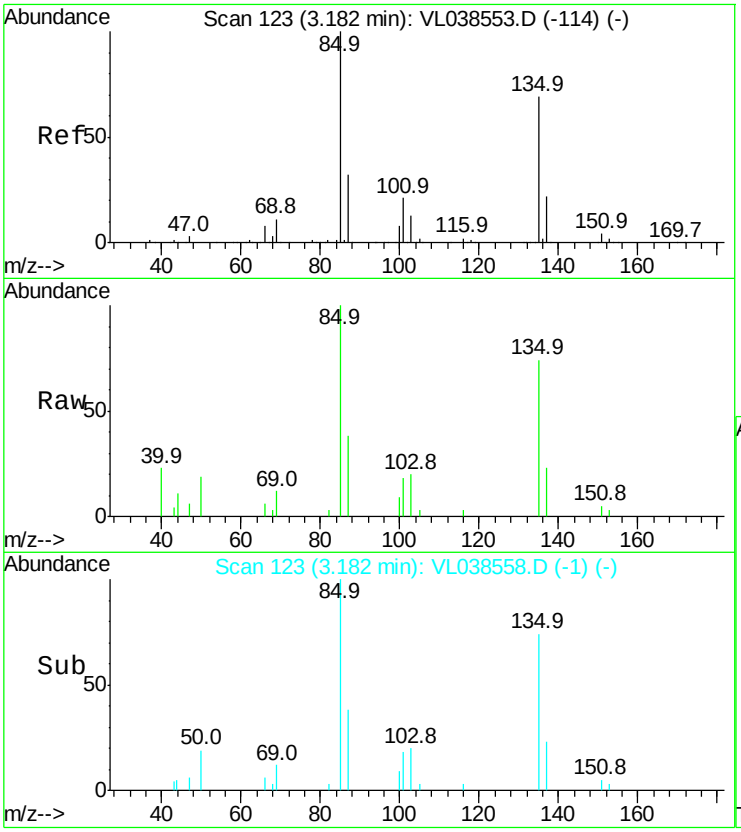


#7
Chloroethane
Concen: 0.06 ppbv
RT: 3.55 min Scan# 236
Delta R.T. -0.01 min
Lab File: VL038558.D
Acq: 8 Mar 2022 14:16

Tgt Ion: 64 Resp: 1254

Ion	Ratio	Lower	Upper
64	100		
66	0.0	26.6	39.8#



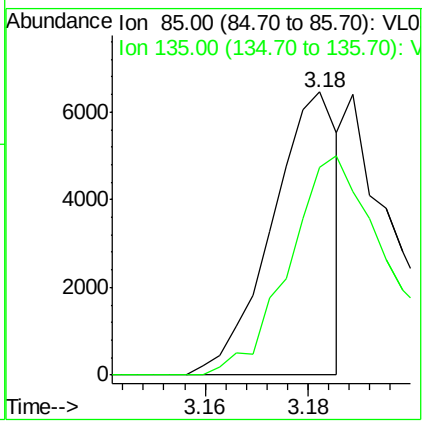


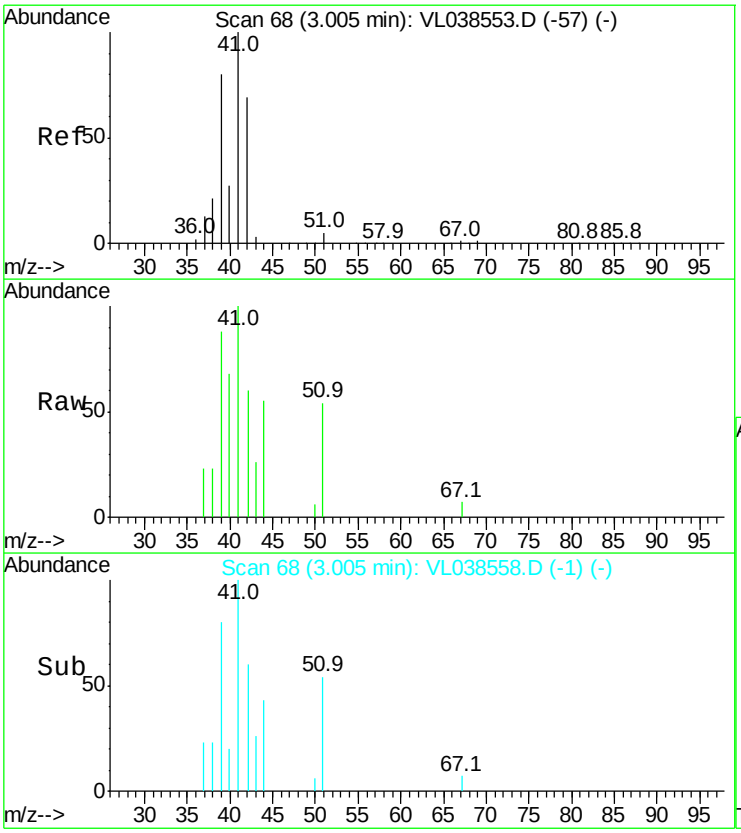
#8
Dichlorotetrafluoroethane
Concen: 0.04 ppbv
RT: 3.18
Delta R.T
Lab File:
Acq: 8 Mar 2022 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 85 Resp: 5738

Ion	Ratio	Lower	Upper
85	100		
135	0.0	59.0	88.4#

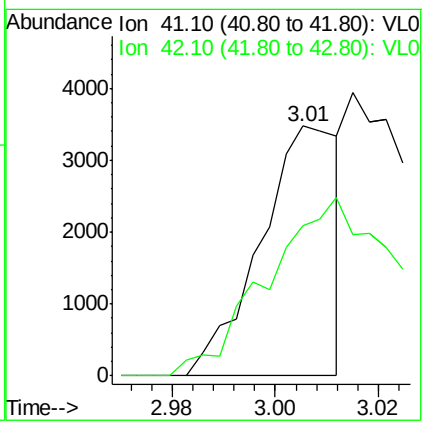


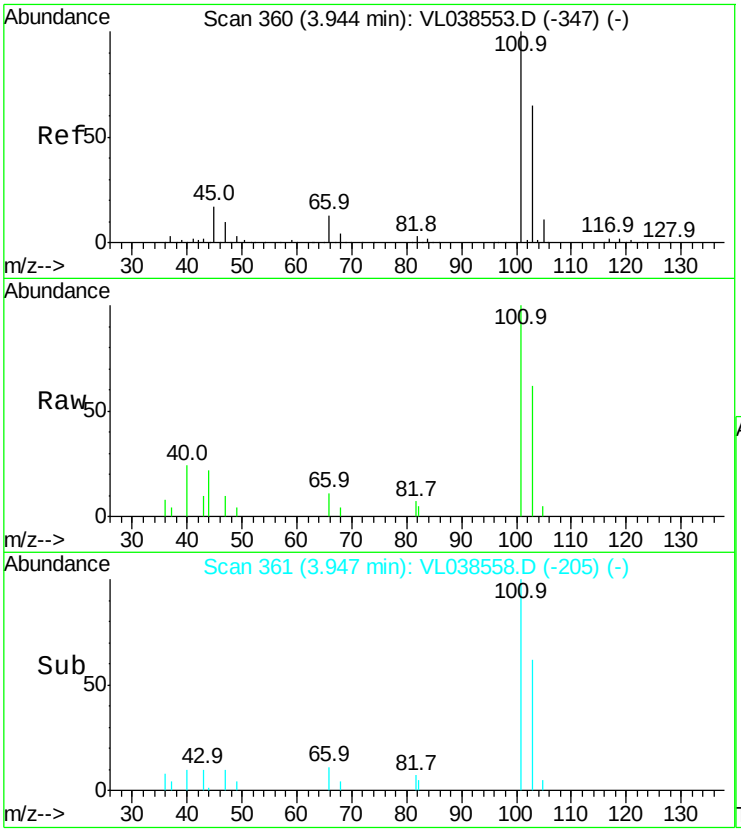


#9
Propene
Concen: 0.07 ppbv
RT: 3.01 min Scan# 68
Delta R.T. -0.00 min
Lab File: VL038558.D
Acq: 8 Mar 2022 14:16

Tgt Ion: 41 Resp: 3643

Ion	Ratio	Lower	Upper
41	100		
42	0.0	55.7	83.5#



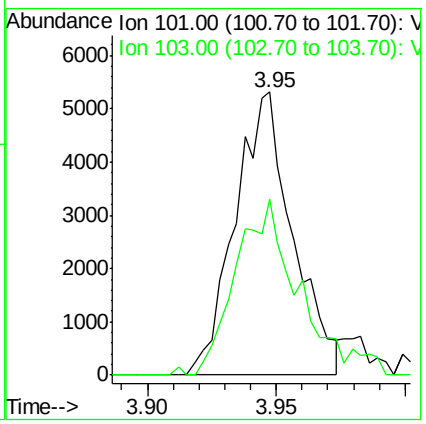


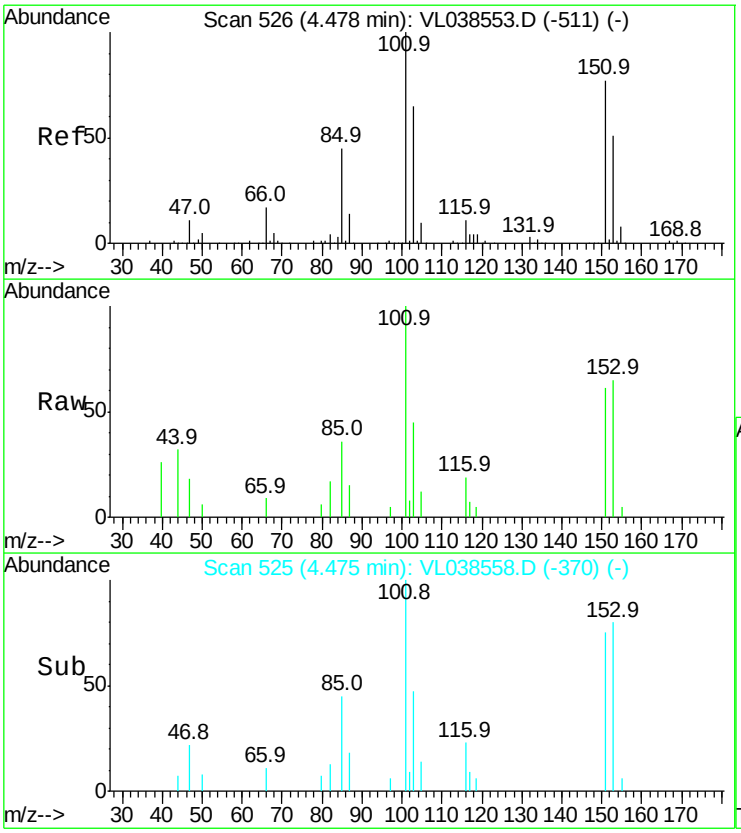
#11
Trichlorofluoromethane
Concen: 0.06 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 8 Mar 2022 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:101 Resp: 8307

Ion	Ratio	Lower	Upper
101	100		
103	61.9	52.0	78.0

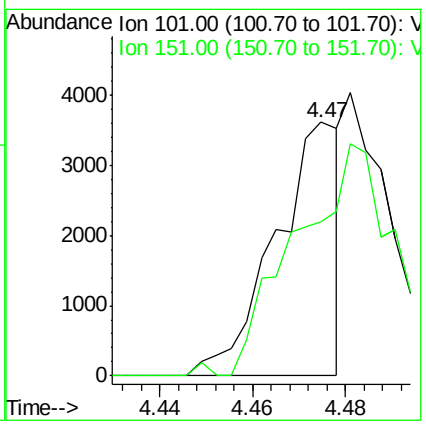


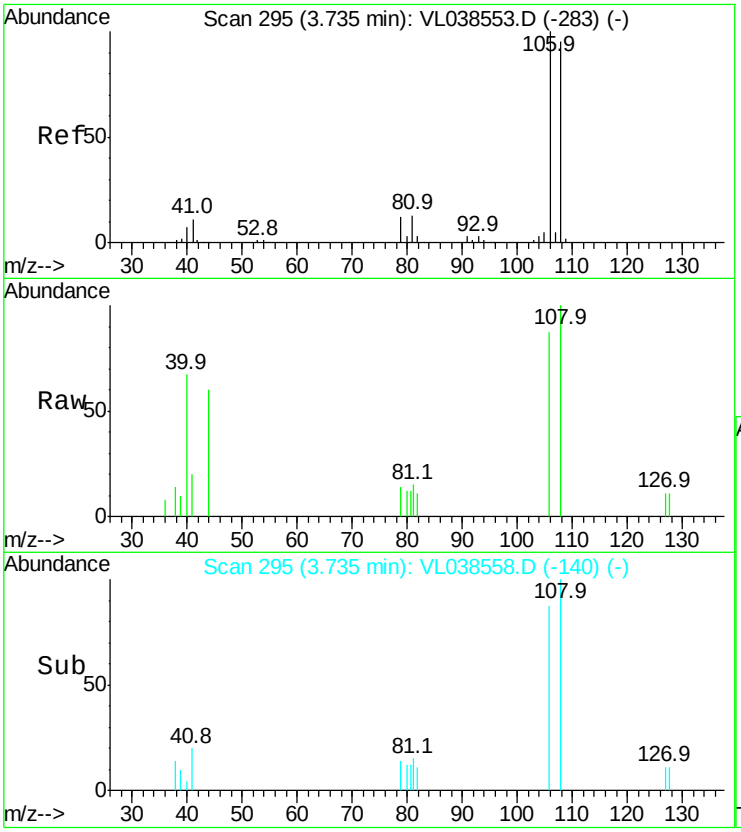


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.03 ppbv
RT: 4.47 min Scan# 525
Delta R.T. -0.00 min
Lab File: VL038558.D
Acq: 8 Mar 2022 14:16

Tgt Ion:101 Resp: 3474

Ion	Ratio	Lower	Upper
101	100		
151	0.0	63.4	95.0#



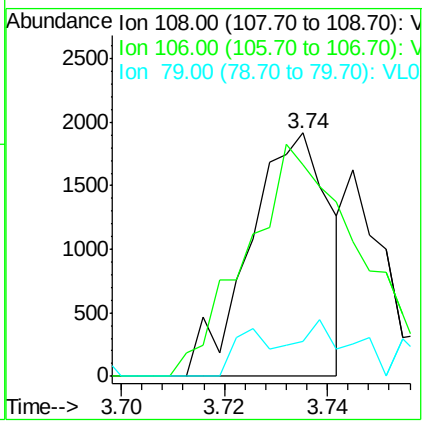


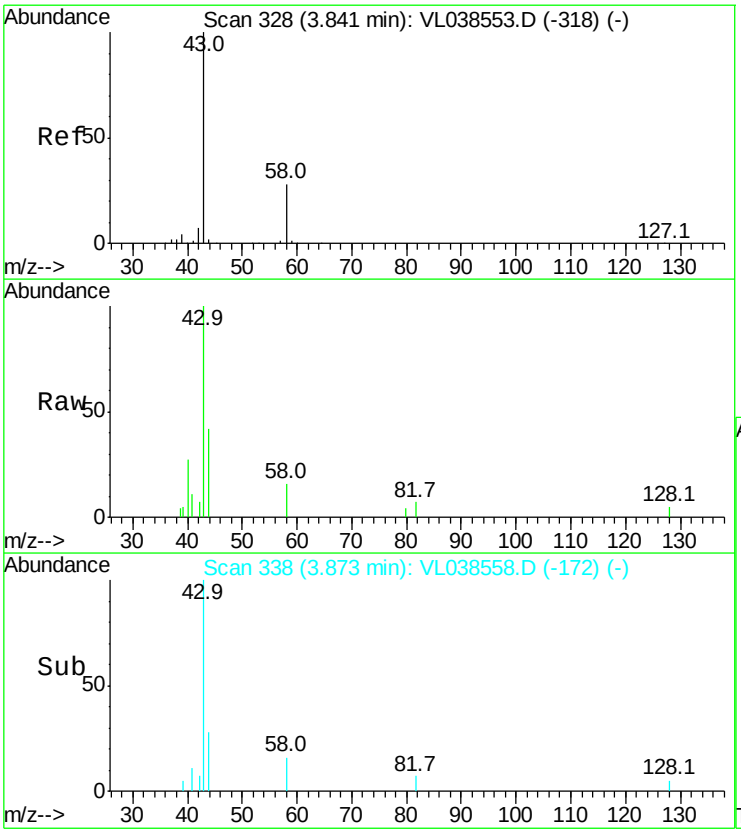
#14
Bromoethene
Concen: 0.05 ppbv
RT: 3.74
Delta R.T
Lab File:
Acq: 8 Mar 2022 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:108 Resp: 2044

Ion	Ratio	Lower	Upper
108	100		
106	146.3	85.9	128.9#
79	32.8	11.0	16.6#

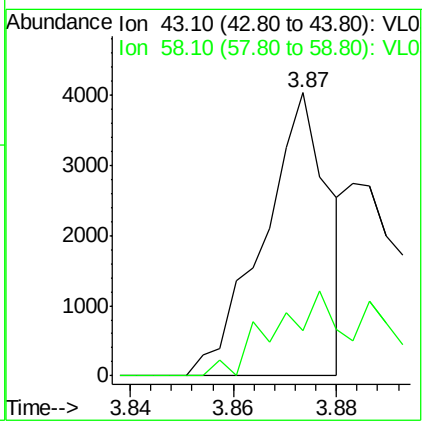


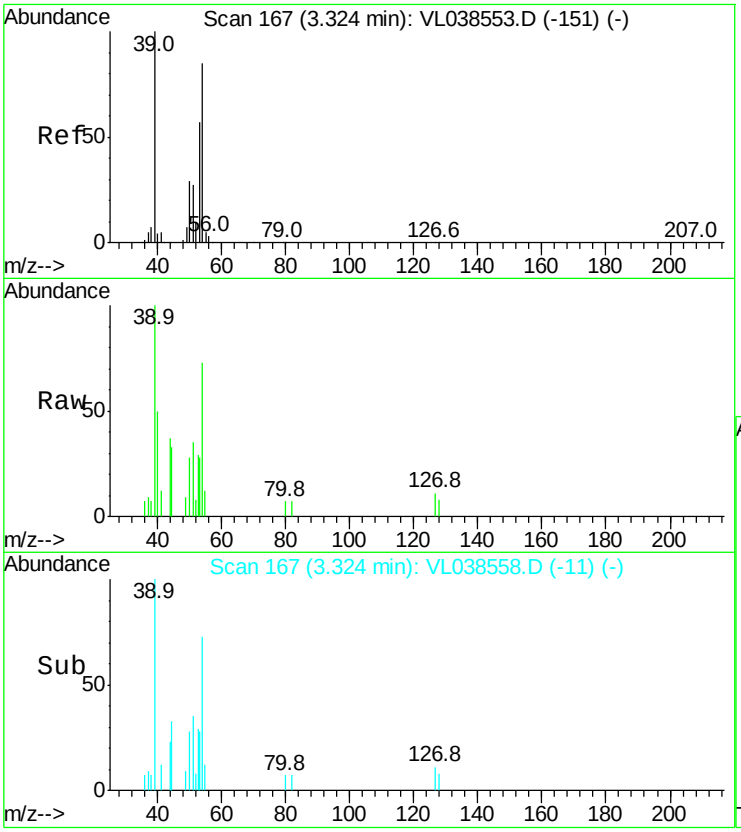


#15
Acetone
Concen: 0.04 ppbv
RT: 3.87 min Scan# 338
Delta R.T. 0.03 min
Lab File: VL038558.D
Acq: 8 Mar 2022 14:16

Tgt Ion: 43 Resp: 3539

Ion	Ratio	Lower	Upper
43	100		
58	64.4	22.7	34.1#



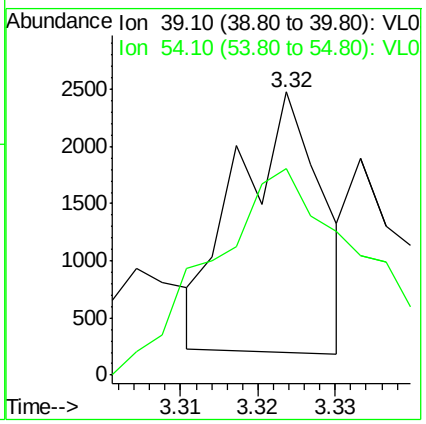


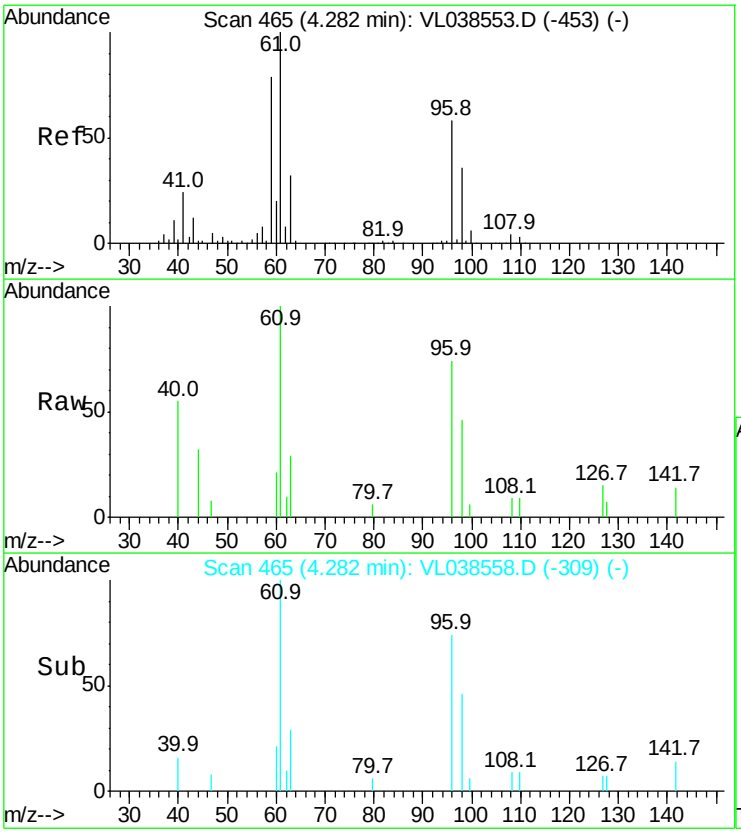
#16
1,3-Butadiene
Concen: 0.03 ppbv
RT: 3.32
Delta R.T
Lab File:
Acq: 8 Mar 2022 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 39 Resp: 1723

Ion	Ratio	Lower	Upper
39	100		
54	176.3	64.2	96.2#

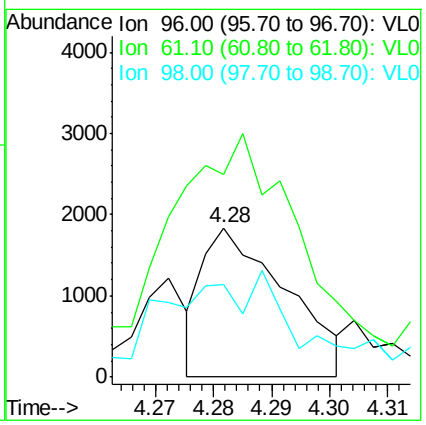


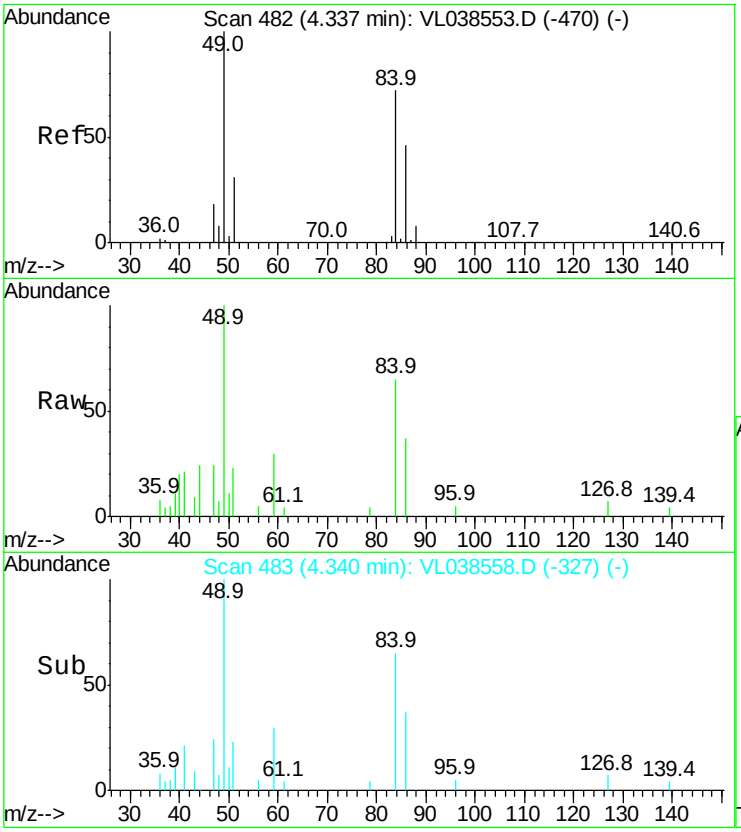


#18
1,1-Dichloroethene
Concen: 0.04 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.00 min
Lab File: VL038558.D
Acq: 8 Mar 2022 14:16

Tgt Ion: 96 Resp: 1842

Ion	Ratio	Lower	Upper
96	100		
61	116.8	137.4	206.0#
98	56.0	49.3	73.9



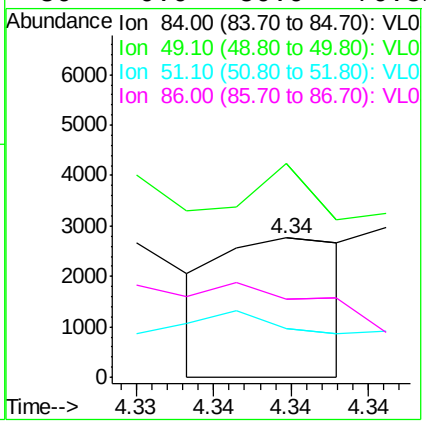


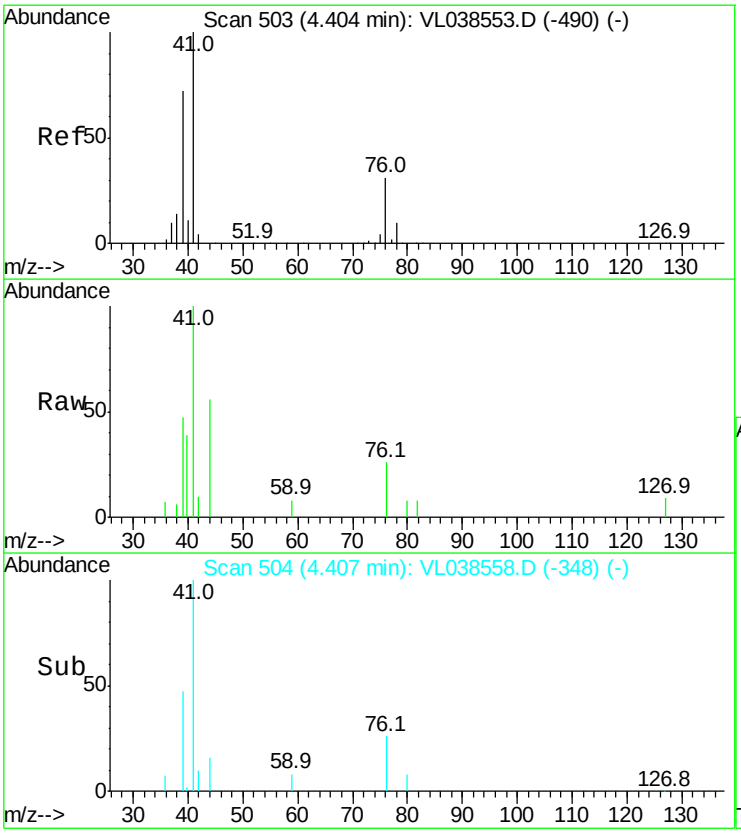
#20
Methylene Chloride
Concen: 0.04 ppbv
RT: 4.34
Delta R.T
Lab File:
Acq: 8 Mar 2022 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 84 Resp: 1540

Ion	Ratio	Lower	Upper
84	100		
49	161.4	111.1	166.7
51	17.8	34.0	51.0#
86	0.0	50.9	76.3#

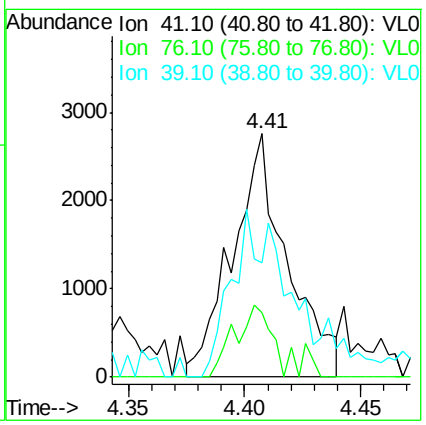


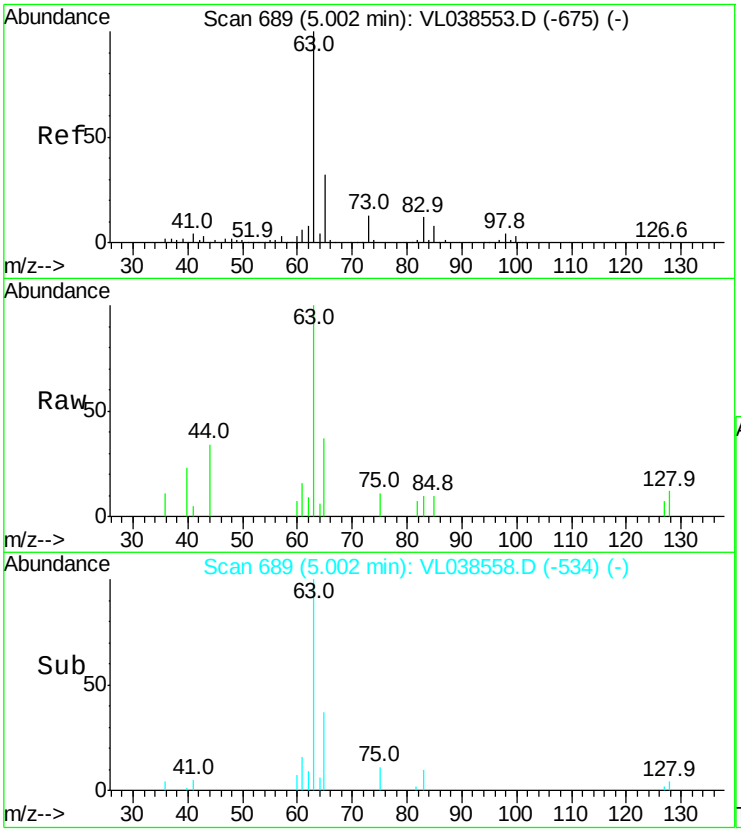


#21
Allyl Chloride
Concen: 0.07 ppbv
RT: 4.41 min Scan# 504
Delta R.T. 0.00 min
Lab File: VL038558.D
Acq: 8 Mar 2022 14:16

Tgt Ion: 41 Resp: 4522

Ion	Ratio	Lower	Upper
41	100		
76	23.4	24.3	36.5#
39	85.1	57.1	85.7



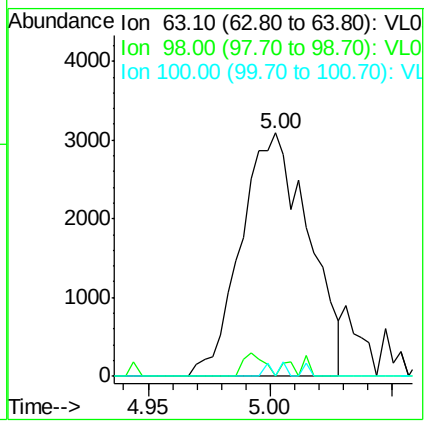


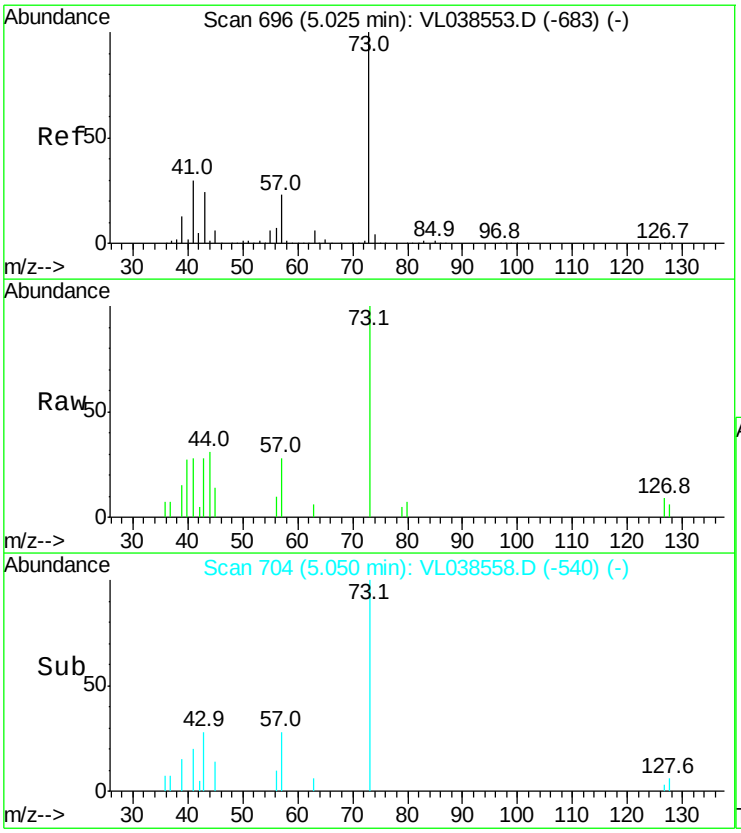
#24
1,1-Dichloroethane
Concen: 0.06 ppbv
RT: 5.00
Delta R.T
Lab File:
Acq: 8 Mar 2022 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 63 Resp: 5921

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.2	6.6#
100	0.0	1.5	4.5#

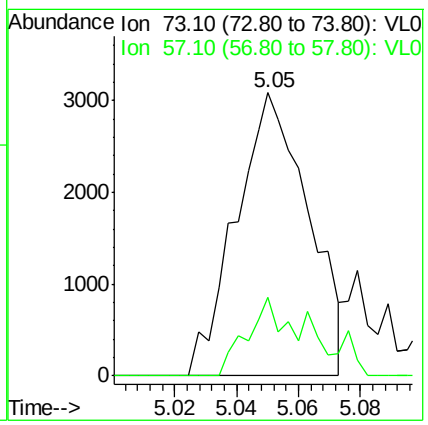


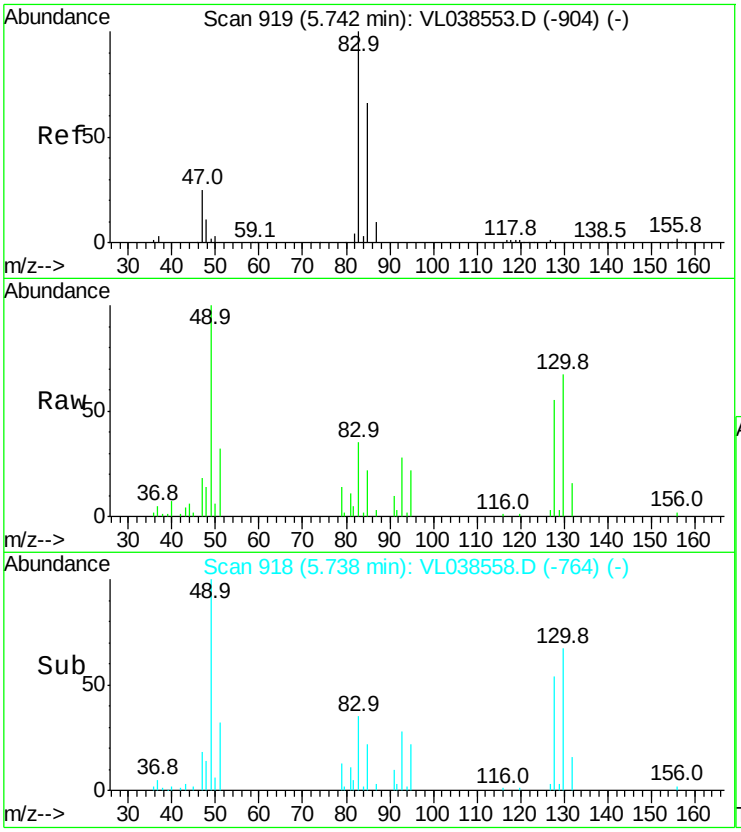


#28
Methyl tert-Butyl Ether
Concen: 0.05 ppbv
RT: 5.05 min Scan# 704
Delta R.T. 0.03 min
Lab File: VL038558.D
Acq: 8 Mar 2022 14:16

Tgt Ion: 73 Resp: 5020

Ion	Ratio	Lower	Upper
73	100		
57	24.1	18.8	28.2



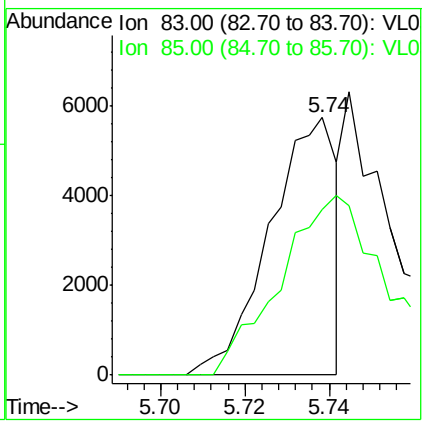


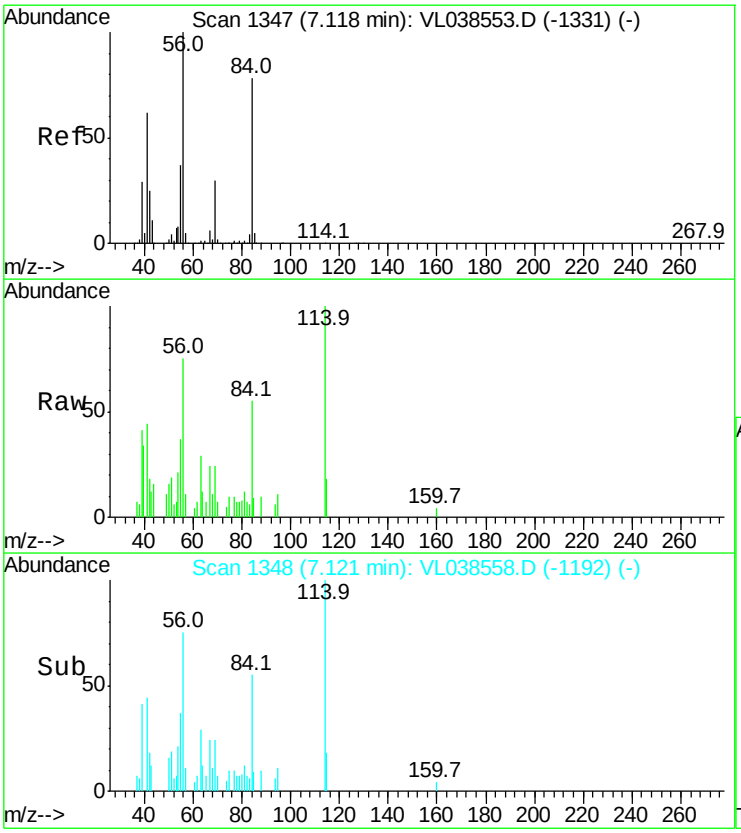
#29
Chloroform
Concen: 0.04 ppbv
RT: 5.74
Delta R.T
Lab File:
Acq: 8 Mar 2022 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 6288

Ion	Ratio	Lower	Upper
83	100		
85	64.1	52.8	79.2

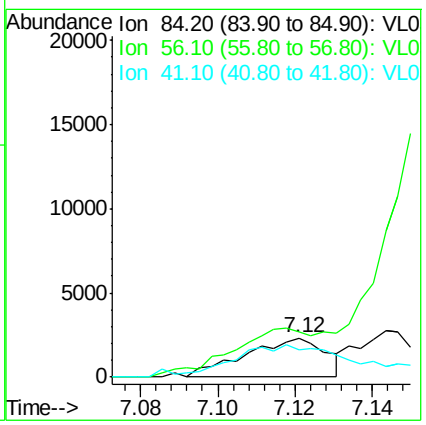


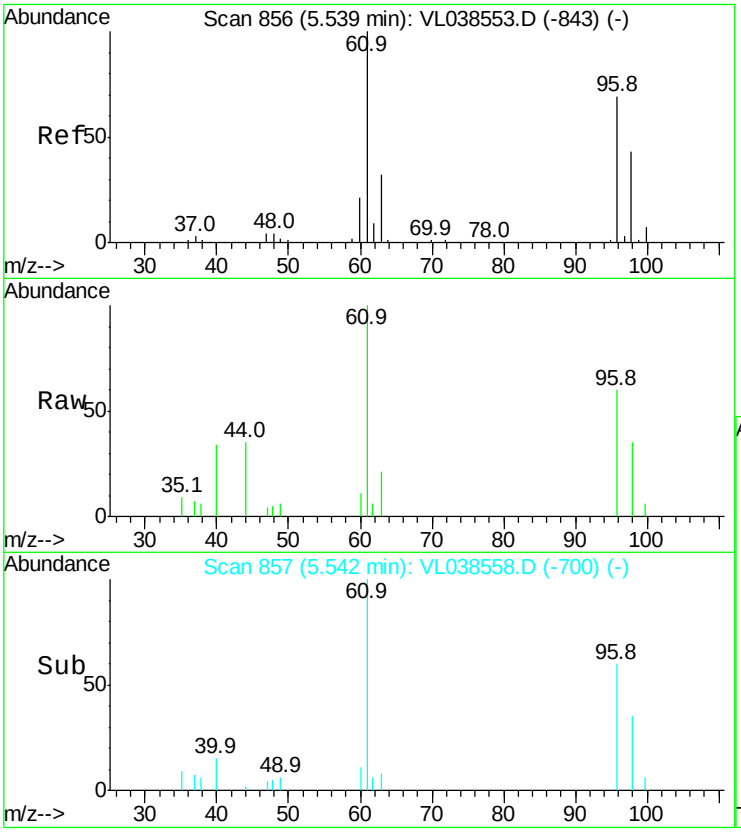


#30
Cyclohexane
Concen: 0.04 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. 0.00 min
Lab File: VL038558.D
Acq: 8 Mar 2022 14:16

Tgt Ion: 84 Resp: 3365

Ion	Ratio	Lower	Upper
84	100		
56	0.0	111.4	167.0#
41	139.3	65.5	98.3#



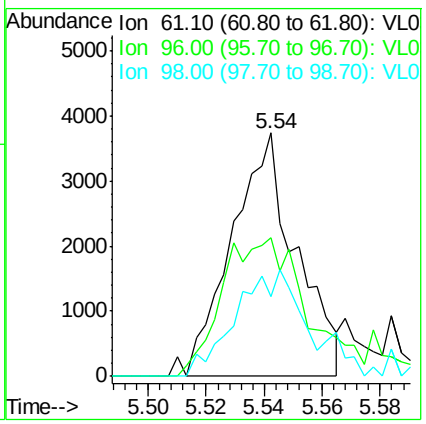


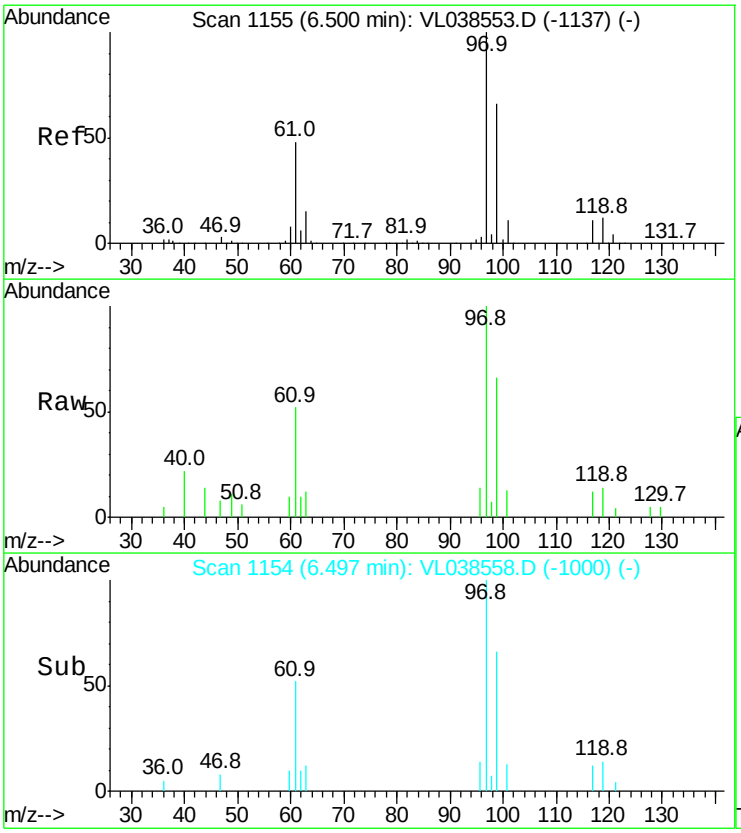
#31
cis-1,2-Dichloroethene
Concen: 0.06 ppbv
RT: 5.54
Delta R.T
Lab File:
Acq: 8 Mar 2022 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 61 Resp: 5751

Ion	Ratio	Lower	Upper
61	100		
96	52.6	55.2	82.8#
98	32.7	34.2	51.4#

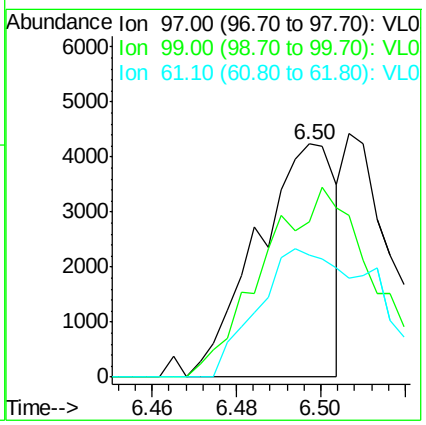


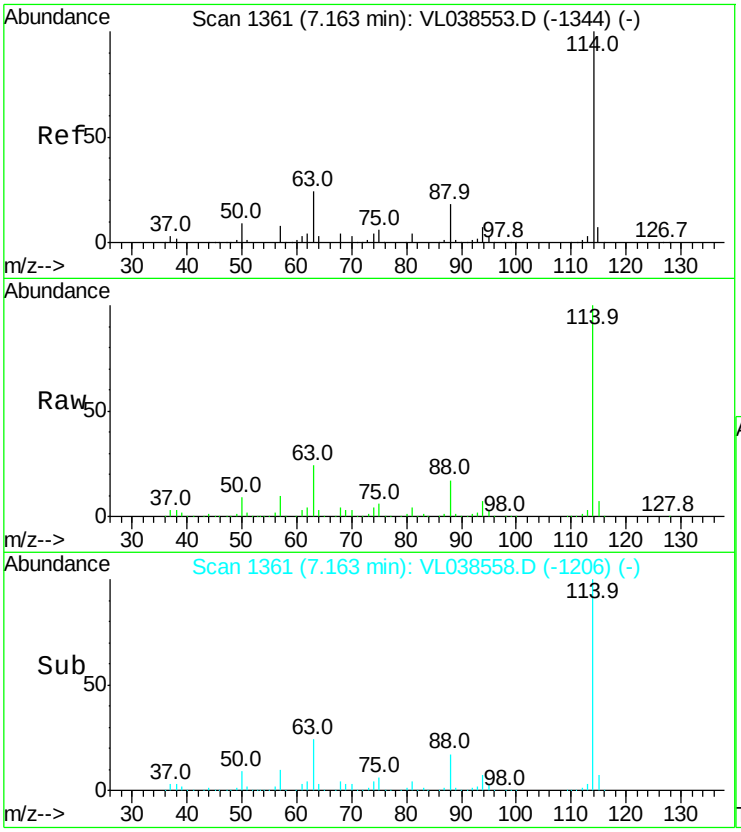


#32
1,1,1-Trichloroethane
Concen: 0.03 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.00 min
Lab File: VL038558.D
Acq: 8 Mar 2022 14:16

Tgt Ion: 97 Resp: 5470

Ion	Ratio	Lower	Upper
97	100		
99	123.6	52.1	78.1#
61	91.0	37.7	56.5#



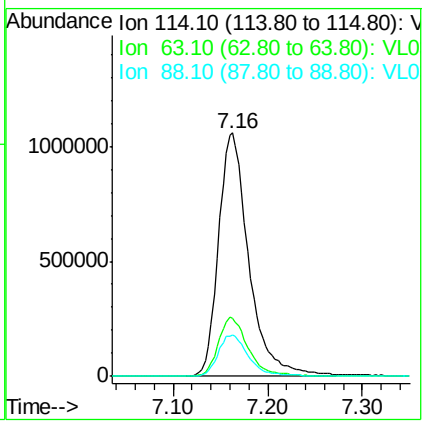


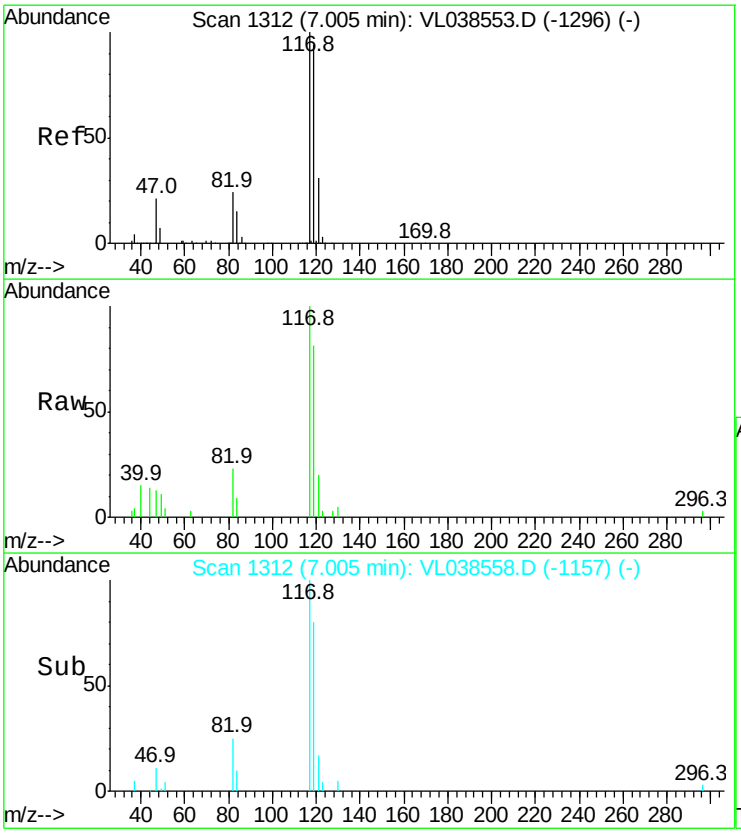
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 8 Mar 2022 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:114 Resp: 2355636

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.6	29.4
88	17.4	13.9	20.9

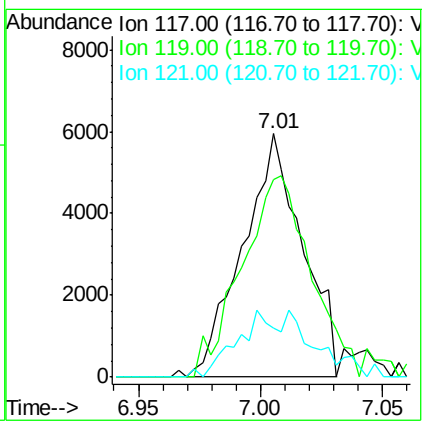


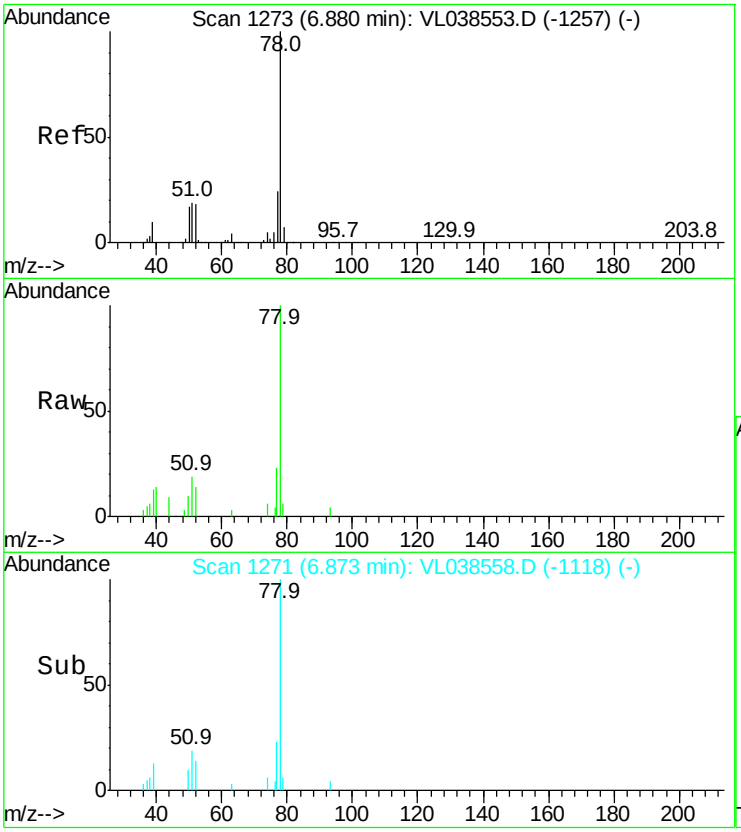


#35
Carbon Tetrachloride
Concen: 0.06 ppbv
RT: 7.01 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VL038558.D
Acq: 8 Mar 2022 14:16

Tgt Ion:117 Resp: 10085

Ion	Ratio	Lower	Upper
117	100		
119	80.9	75.2	112.8
121	20.1	24.8	37.2#



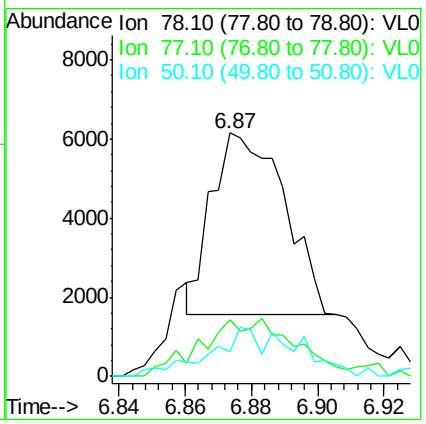


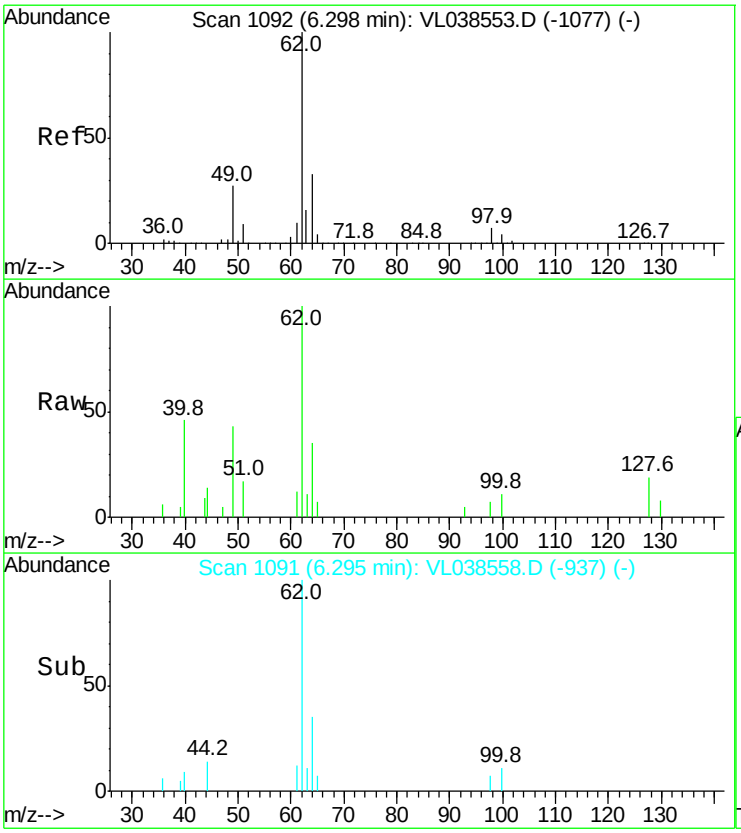
#36
Benzene
Concen: 0.03 ppbv
RT: 6.87
Delta R.T
Lab File:
Acq: 8 Mar 2022 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 78 Resp: 6943

Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.0	28.4
50	6.2	13.9	20.9#

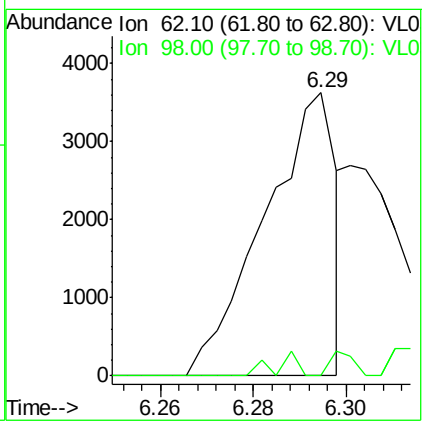


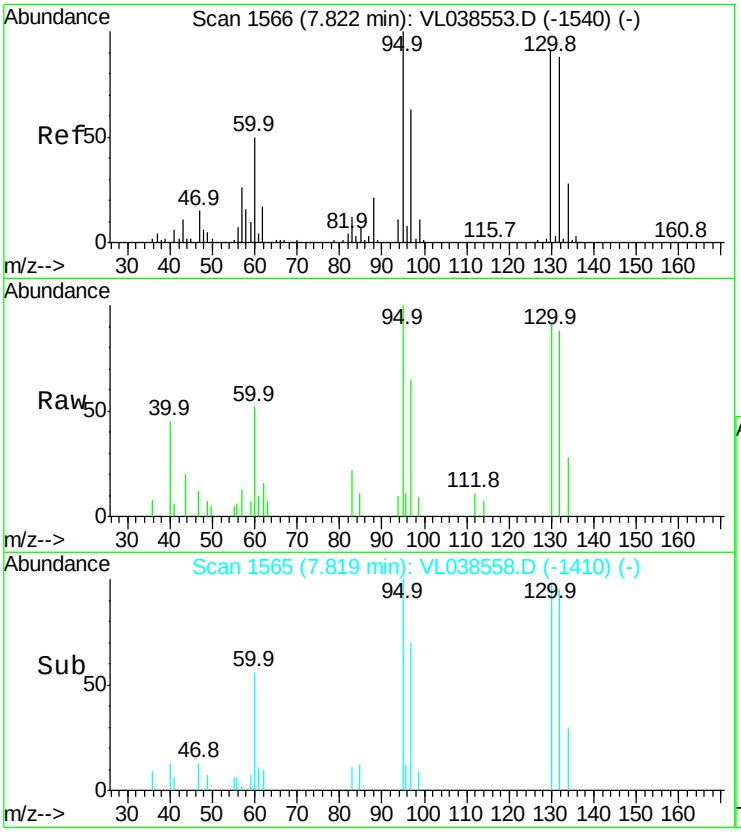


#37
1,2-Dichloroethane
Concen: 0.03 ppbv
RT: 6.29 min Scan# 1091
Delta R.T. -0.00 min
Lab File: VL038558.D
Acq: 8 Mar 2022 14:16

Tgt Ion: 62 Resp: 3870

Ion	Ratio	Lower	Upper
62	100		
98	0.0	5.7	8.5#



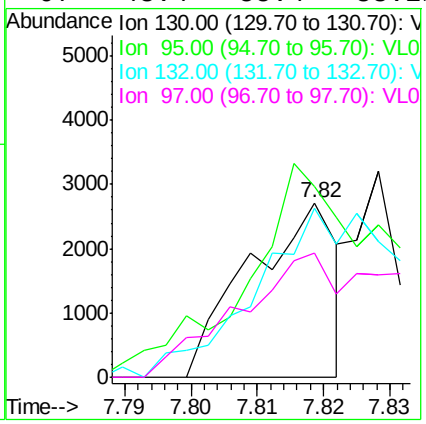


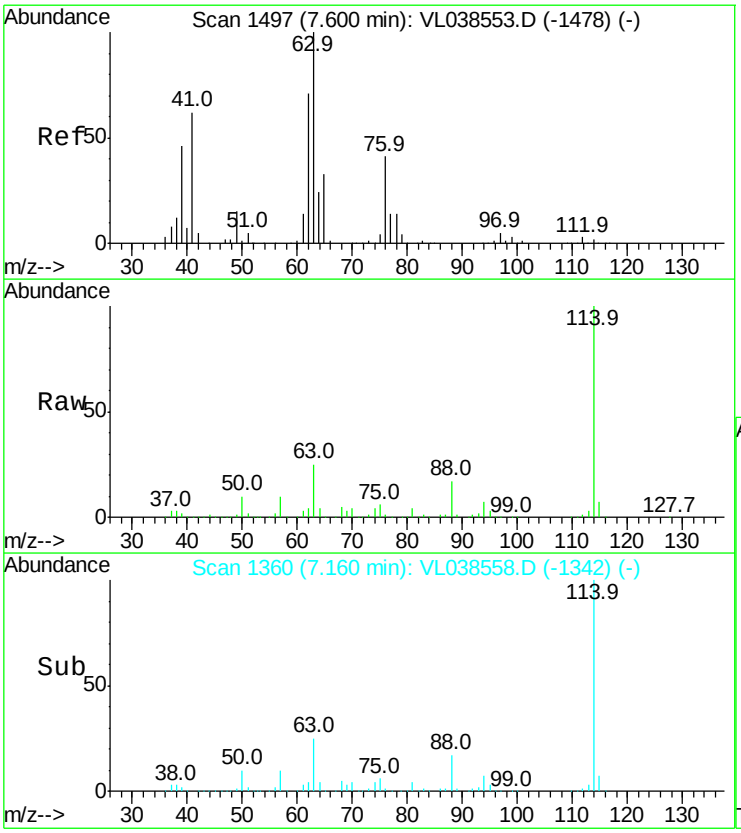
#38
Trichloroethene
Concen: 0.03 ppbv
RT: 7.82
Delta R.T
Lab File:
Acq: 8 Mar 2022 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:130 Resp: 2491

Ion	Ratio	Lower	Upper
130	100		
95	86.4	87.8	131.8#
132	81.5	77.5	116.3
97	48.4	55.4	83.2#

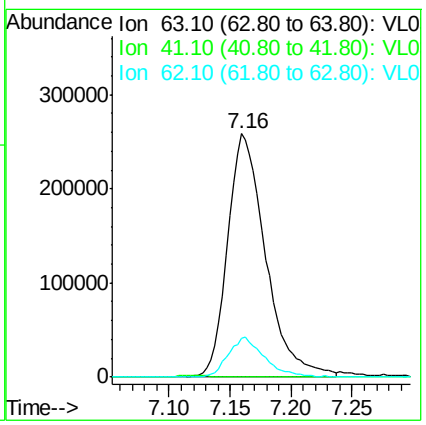


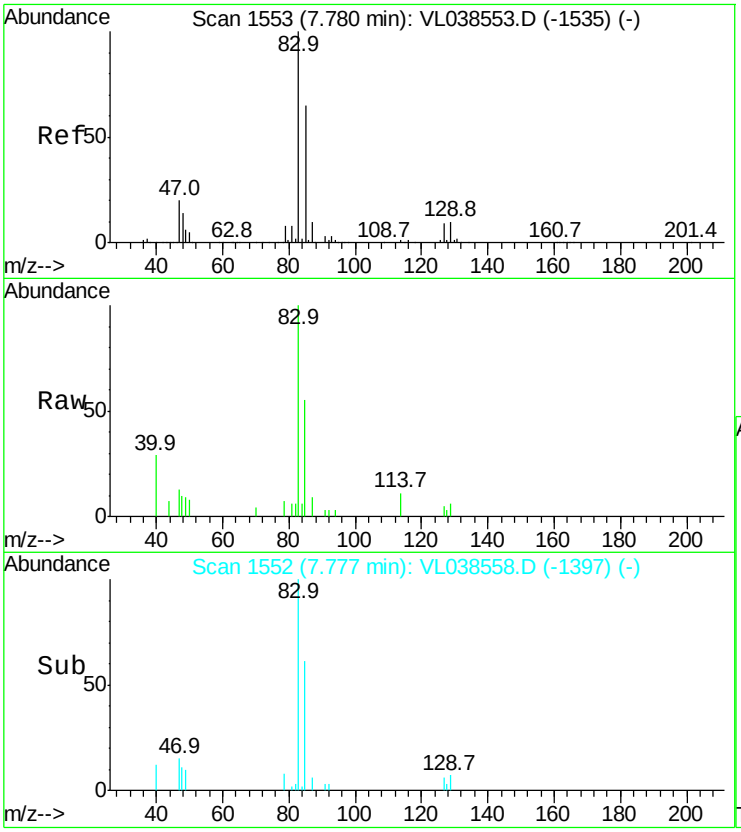


#39
1,2-Dichloropropane
Concen: 6.78 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.44 min
Lab File: VL038558.D
Acq: 8 Mar 2022 14:16

Tgt Ion: 63 Resp: 560419

Ion	Ratio	Lower	Upper
63	100		
41	0.2	49.8	74.6#
62	16.1	56.7	85.1#



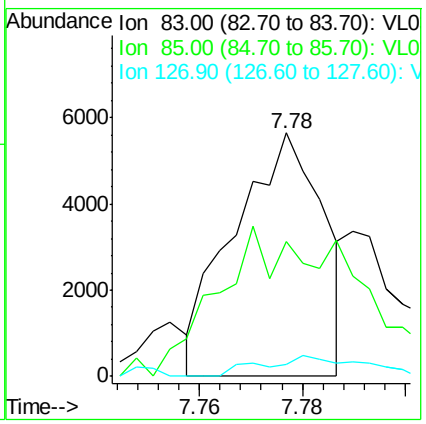


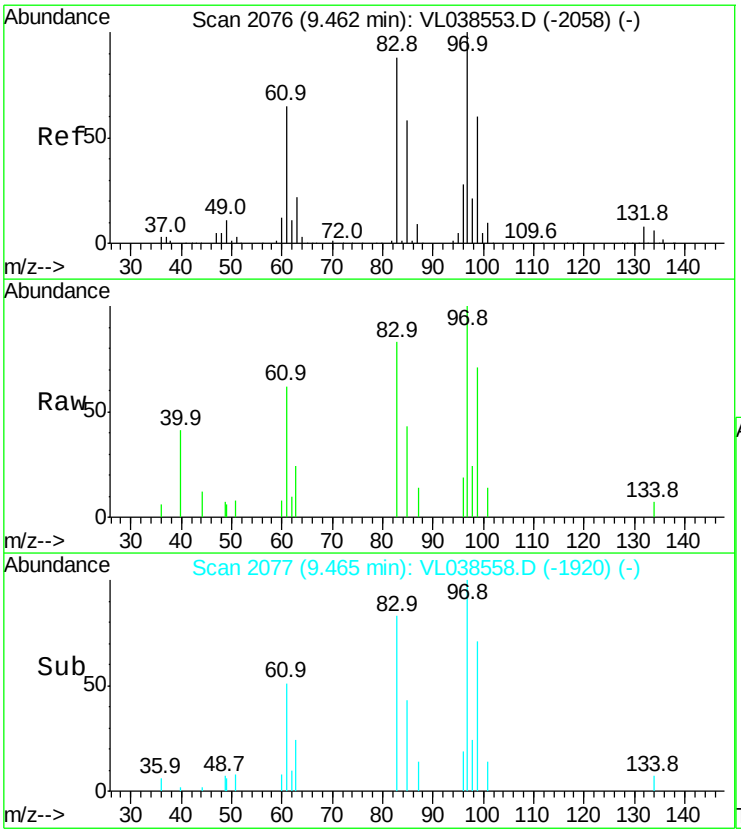
#42
Bromodichloromethane
Concen: 0.04 ppbv
RT: 7.78
Delta R.T
Lab File:
Acq: 8 Mar 2022 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 6786

Ion	Ratio	Lower	Upper
83	100		
85	49.9	51.7	77.5#
127	9.8	6.9	10.3

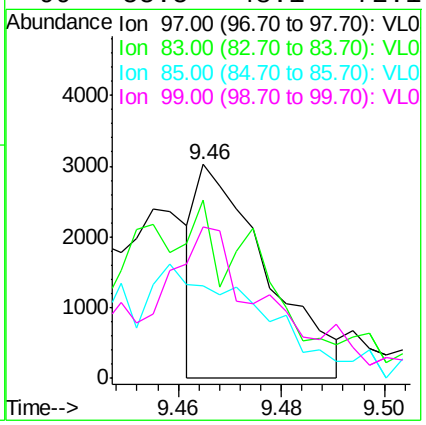


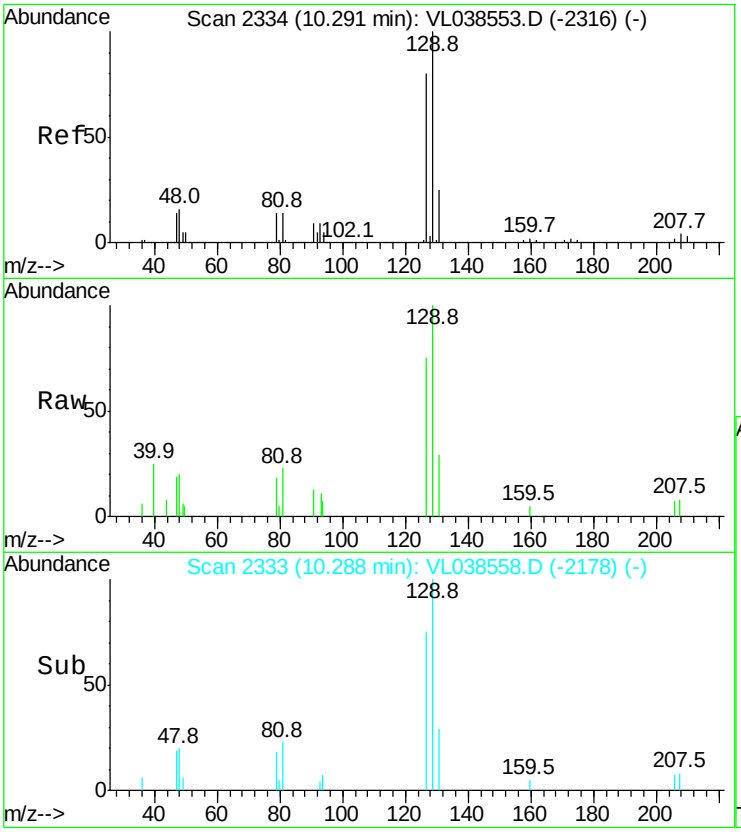


#47
1,1,2-Trichloroethane
Concen: 0.03 ppbv
RT: 9.46 min Scan# 2077
Delta R.T. 0.00 min
Lab File: VL038558.D
Acq: 8 Mar 2022 14:16

Tgt Ion: 97 Resp: 2855

Ion	Ratio	Lower	Upper
97	100		
83	81.7	70.1	105.1
85	43.0	46.6	69.8#
99	55.5	48.1	72.1



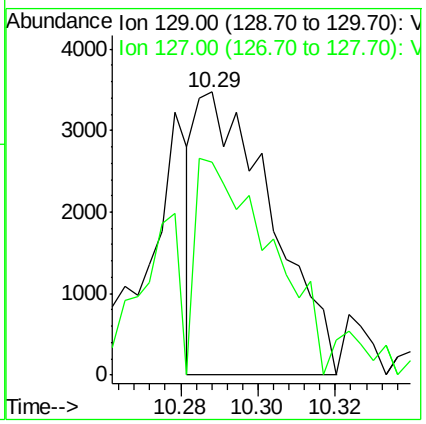


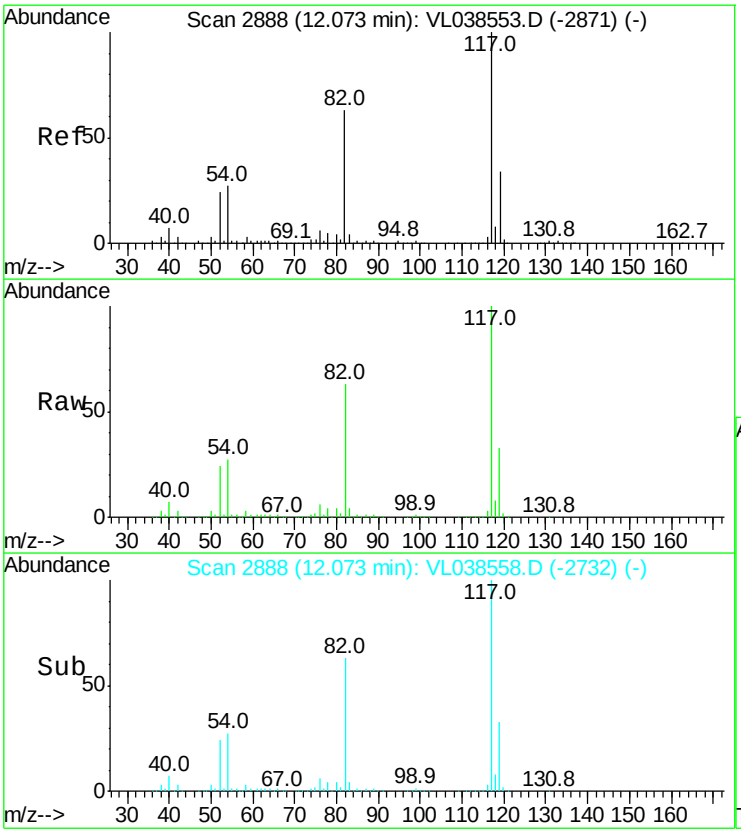
#48
Dibromochloromethane
Concen: 0.04 ppbv
RT: 10.29
Delta R.T
Lab File:
Acq: 8 Mar 2022 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:129 Resp: 4710

Ion	Ratio	Lower	Upper
129	100		
127	117.2	39.5	118.3

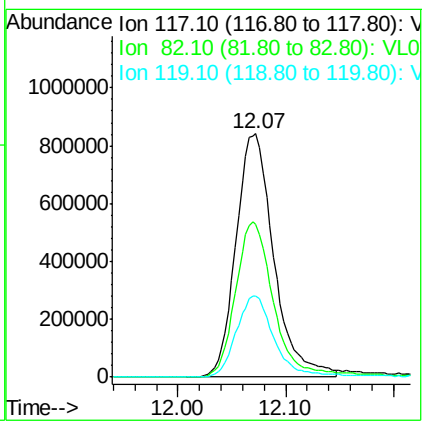


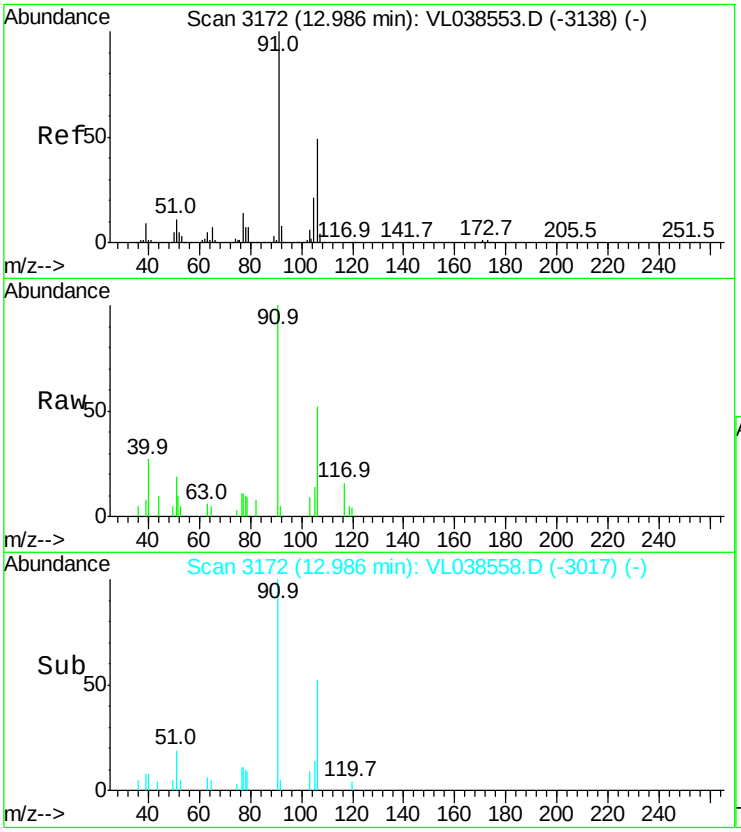


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.00 min
Lab File: VL038558.D
Acq: 8 Mar 2022 14:16

Tgt Ion:117 Resp: 2051907

Ion	Ratio	Lower	Upper
117	100		
82	65.8	52.5	78.7
119	34.8	46.4	69.6#



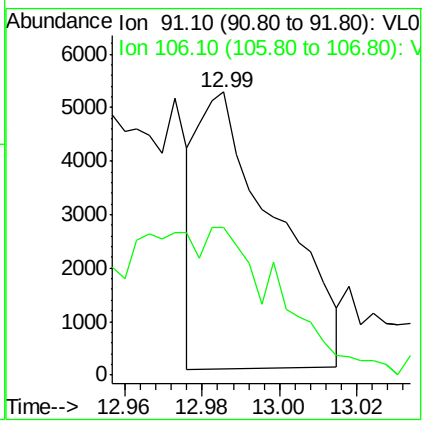


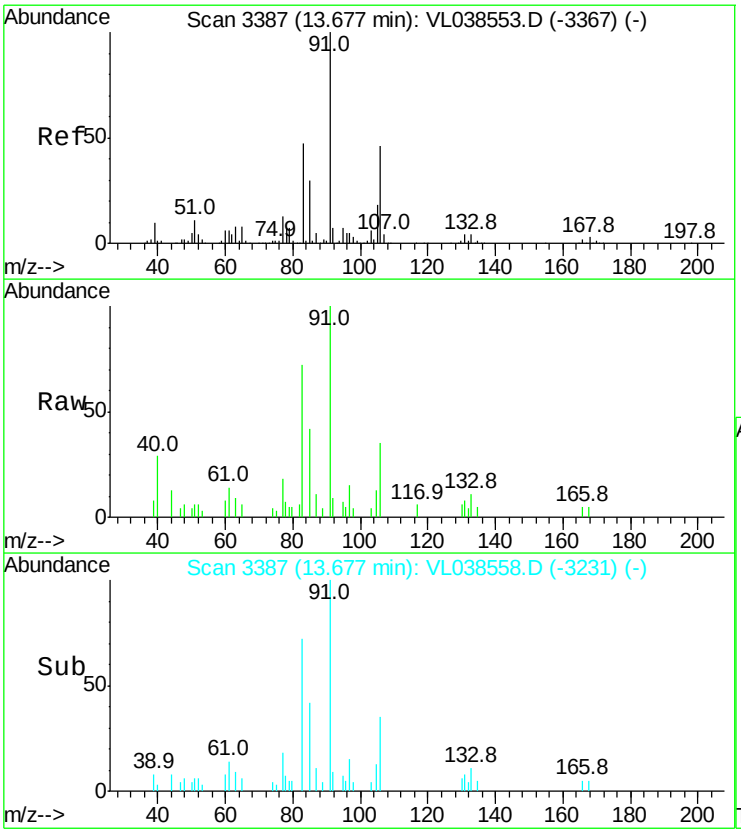
#59
m/p-Xylene
Concen: 0.03 ppbv
RT: 12.99
Delta R.T
Lab File:
Acq: 8 Mar 2022 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 7313

Ion	Ratio	Lower	Upper
91	100		
106	144.9	37.1	55.7#

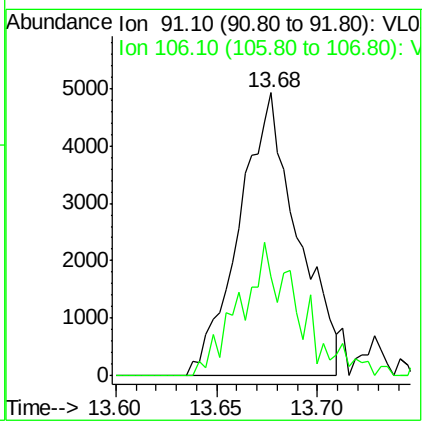


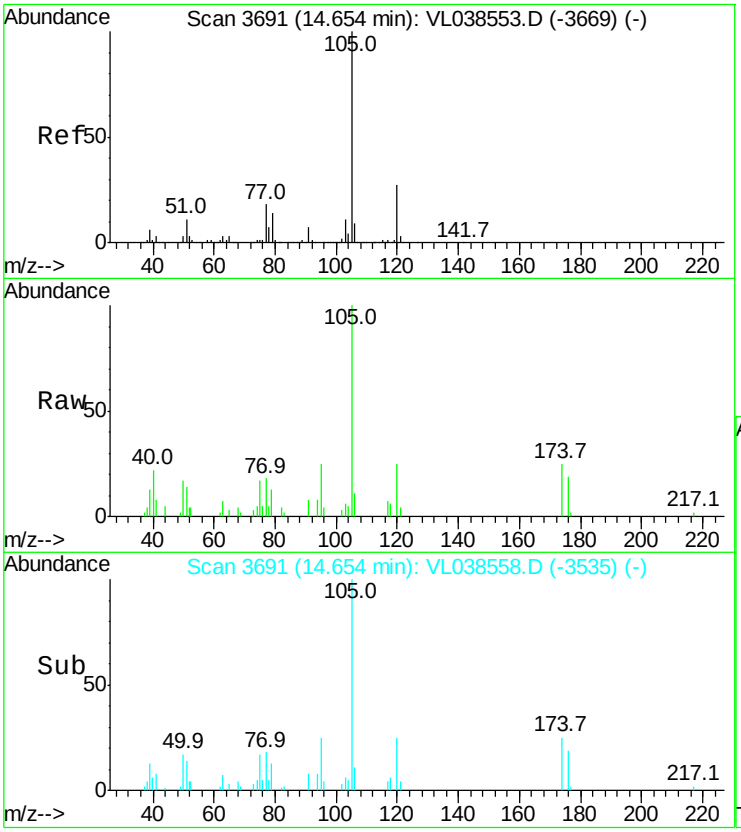


#60
o-Xylene
Concen: 0.04 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.00 min
Lab File: VL038558.D
Acq: 8 Mar 2022 14:16

Tgt Ion: 91 Resp: 9943

Ion	Ratio	Lower	Upper
91	100		
106	48.3	23.5	70.6



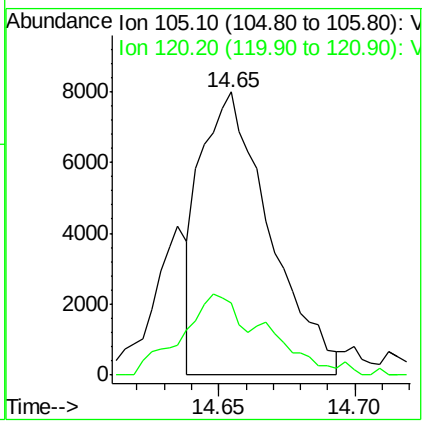


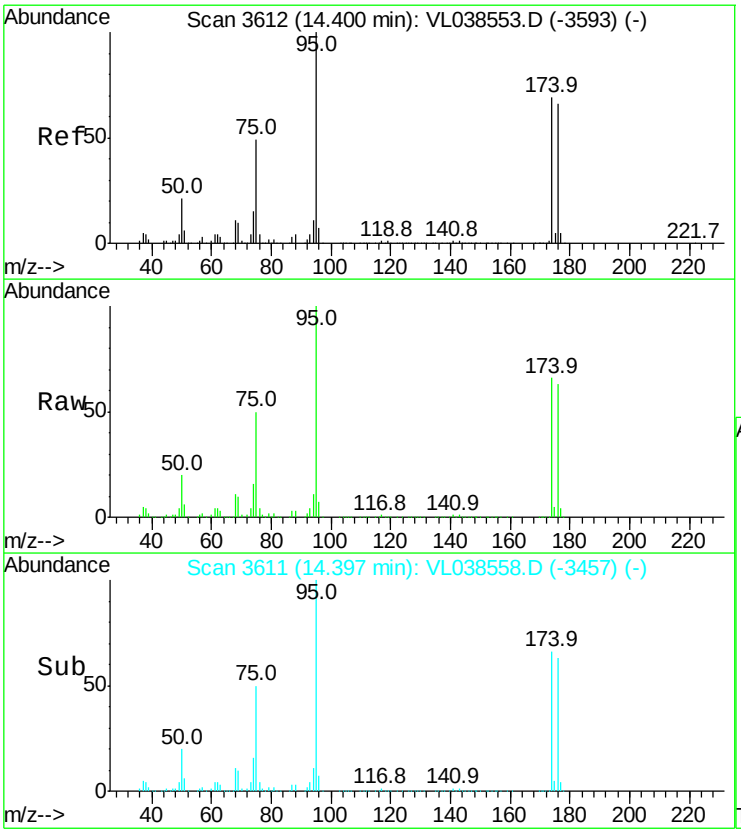
#62
Isopropylbenzene
Concen: 0.05 ppbv
RT: 14.65
Delta R.T
Lab File:
Acq: 8 Mar 2022 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:105 Resp: 14062

Ion	Ratio	Lower	Upper
105	100		
120	35.1	21.2	31.8#

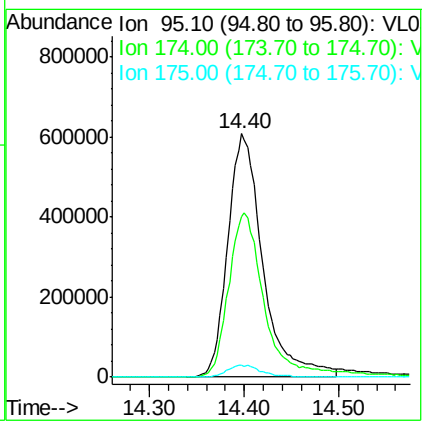


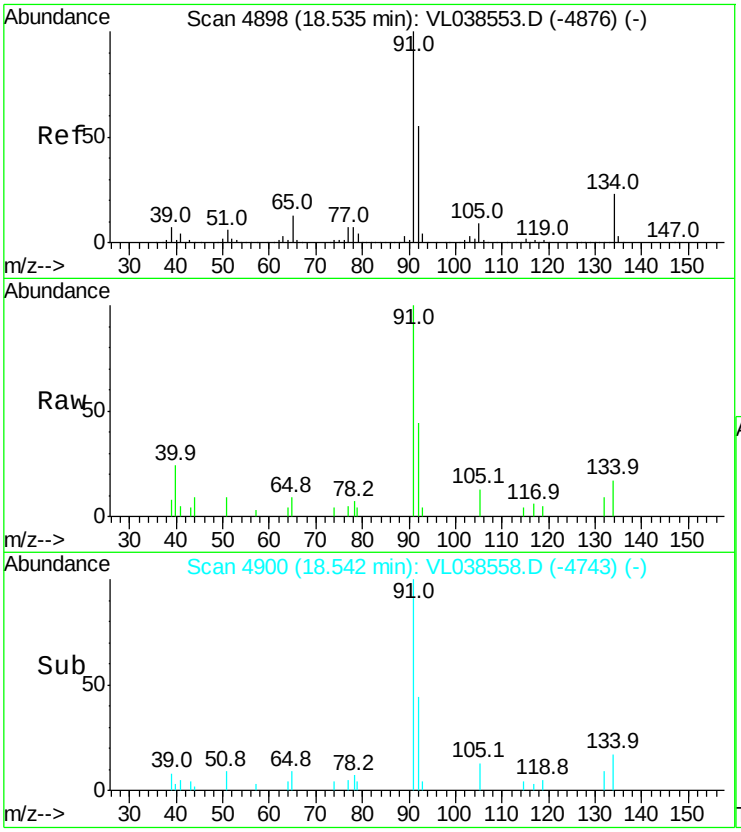


#68
1-Bromo-4-Fluorobenzene
Concen: 9.25 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.00 min
Lab File: VL038558.D
Acq: 8 Mar 2022 14:16

Tgt Ion: 95 Resp: 1570221

Ion	Ratio	Lower	Upper
95	100		
174	71.2	56.2	84.4
175	4.9	4.2	6.2



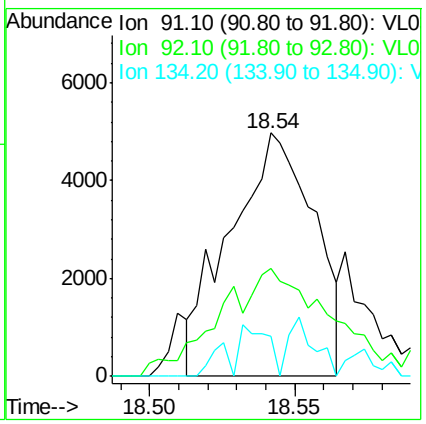


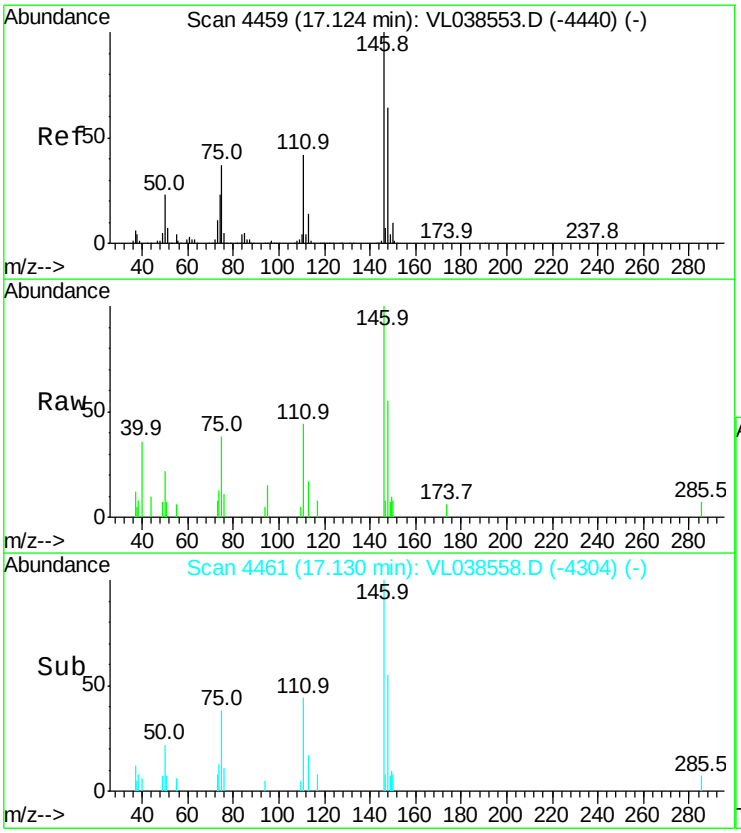
#70
n-Butylbenzene
Concen: 0.03 ppbv
RT: 18.54
Delta R.T
Lab File:
Acq: 8 Mar 2022 14:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 91 Resp: 10059

Ion	Ratio	Lower	Upper
91	100		
92	59.8	43.8	65.8
134	20.7	18.7	28.1

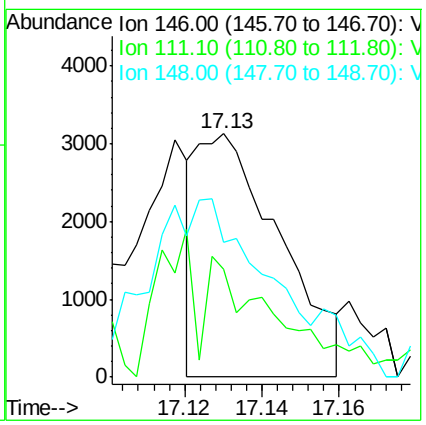


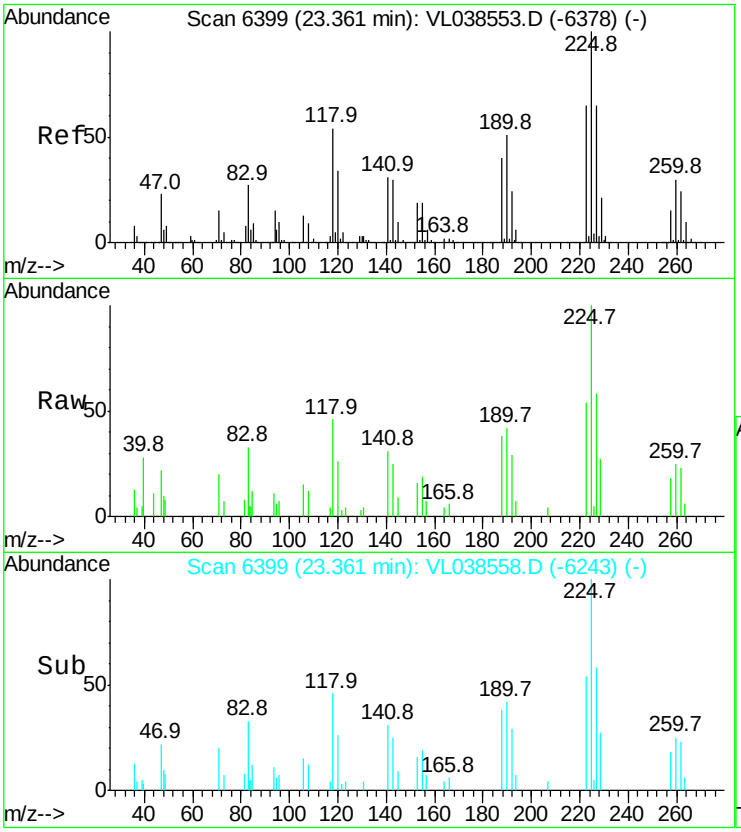


#76
1,4-Dichlorobenzene
Concen: 0.04 ppbv
RT: 17.13 min Scan# 4461
Delta R.T. 0.01 min
Lab File: VL038558.D
Acq: 8 Mar 2022 14:16

Tgt Ion:146 Resp: 4665

Ion	Ratio	Lower	Upper
146	100		
111	0.0	21.8	65.3#
148	118.4	32.8	98.4#





#78
Hexachloro-1,3-Butadiene
Concen: 0.05 ppbv
RT: 23.36
Delta R.T
Lab File:
Acq: 8 Mar 2022 14:18

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion:225 Resp: 5087

Ion	Ratio	Lower	Upper
225	100		
223	132.1	51.4	77.0#
227	148.9	51.9	77.9#