Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030122\
Data File : VL038451.D
Acq On : 1 Mar 2022 14:59
Operator : SY/AP
Sample : N1702-01 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SVP-1DL

Quant Time: Mar 02 03:04:25 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 22 19:45:51 2022
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	867159	10.00	ppbv		0.02
33) 1,4-Difluorobenzene	7.17	114	2102748	10.00	ppbv		0.02
55) Chlorobenzene-d5	12.08	117	1829460	10.00	ppbv		0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	1438964	9.51	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.10%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	2.98	51	16371	0.11	ppbv	#	64
8) Dichlorotetrafluoroethane	3.20	85	5794	0.05	ppbv		98
9) Propene	3.02	41	62606	1.24	ppbv	#	80
10) Heptane	8.12	43	5483	0.04	ppbv	#	1
11) Trichlorofluoromethane	3.96	101	5584	0.04	ppbv		97
13) Ethanol	3.62	45	11456	2.27	ppbv	#	1
15) Acetone	3.87	43	312886	4.24	ppbv		100
16) 1,3-Butadiene	3.33	39	2224	0.05	ppbv	#	12
17) tert-Butyl alcohol	4.32	59	5280	0.07	ppbv	#	90
20) Methylene Chloride	4.35	84	30375	0.83	ppbv		85
23) Vinyl Acetate	5.06	43	3751	0.04	ppbv	#	1
25) Ethyl Acetate	5.69	43	360960	1.82	ppbv	#	78
26) Hexane	5.69	57	505276	5.63	ppbv	#	43
29) Chloroform	5.75	83	162468	1.11	ppbv		92
30) Cyclohexane	7.13	84	3813	0.05	ppbv	#	1
34) 2-Butanone	5.27	43	15138	0.23	ppbv	#	75
36) Benzene	6.89	78	13376	0.07	ppbv	#	78
38) Trichloroethene	7.83	130	3833	0.06	ppbv		94
39) 1,2-Dichloropropane	7.17	63	551149	7.47	ppbv	#	25
41) Tetrahydrofuran	6.32	42	35326	0.79	ppbv	#	38
42) Bromodichloromethane	7.79	83	21350	0.14	ppbv		91
52) Tetrachloroethene	11.22	164	395084	6.43	ppbv		97
53) Toluene	9.80	91	640977	3.19	ppbv		99

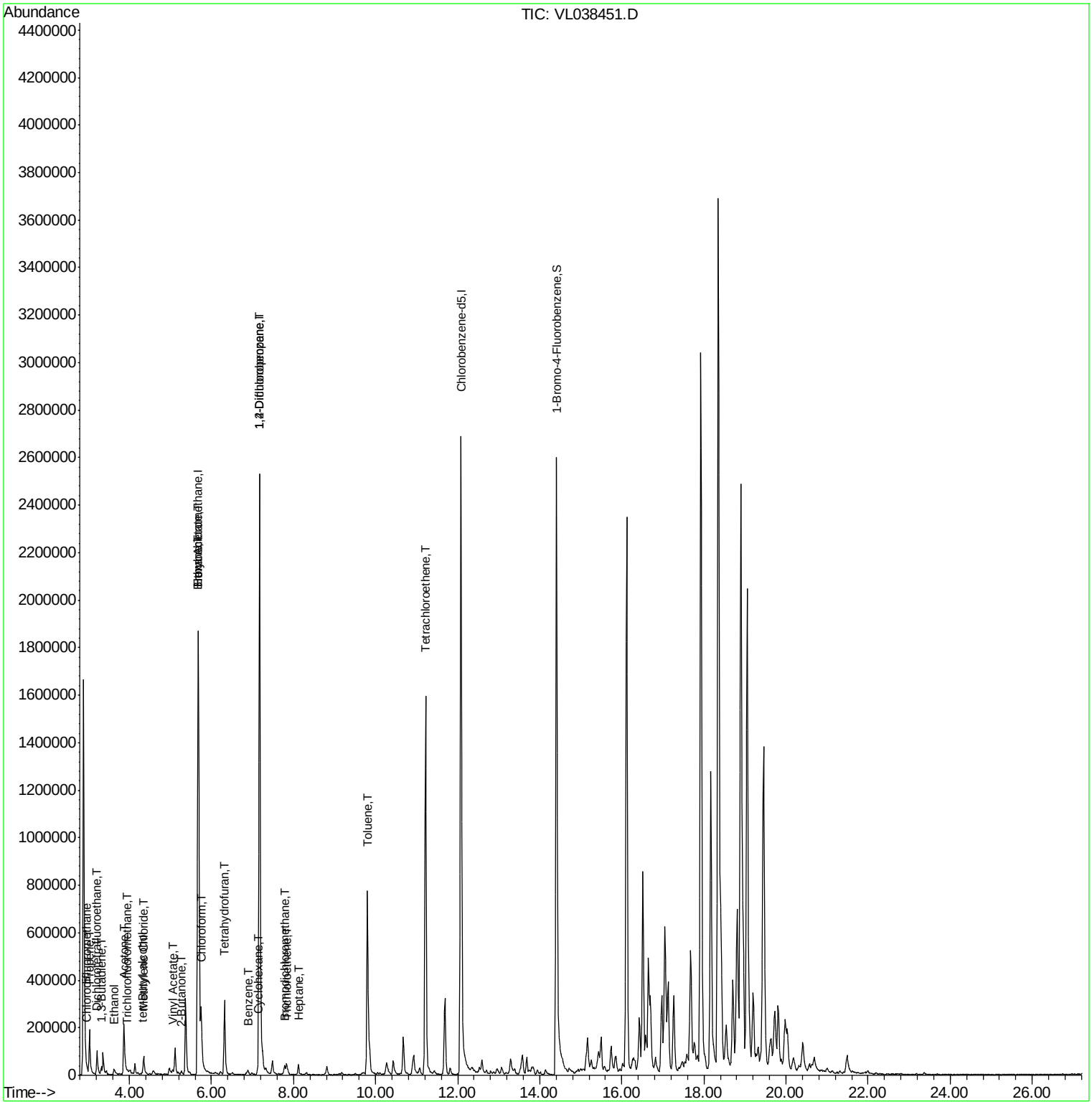
(#) = qualifier out of range (m) = manual integration (+) = signals summed

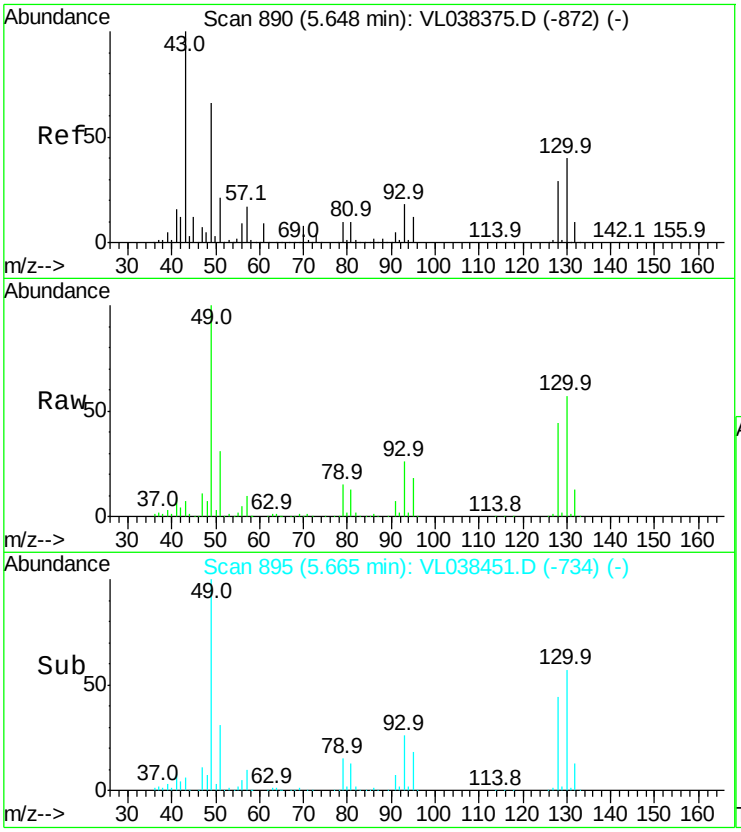
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030122\
Data File : VL038451.D
Acq On : 1 Mar 2022 14:59
Operator : SY/AP
Sample : N1702-01 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SVP-1DL

Quant Time: Mar 02 03:04:25 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 22 19:45:51 2022
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration



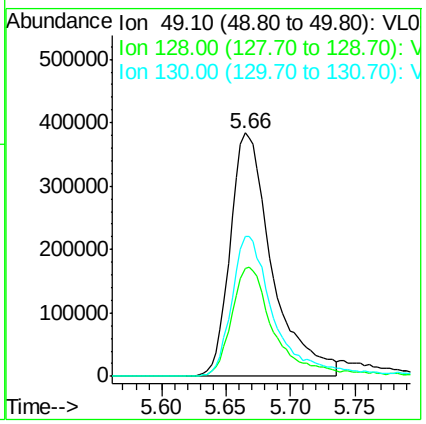


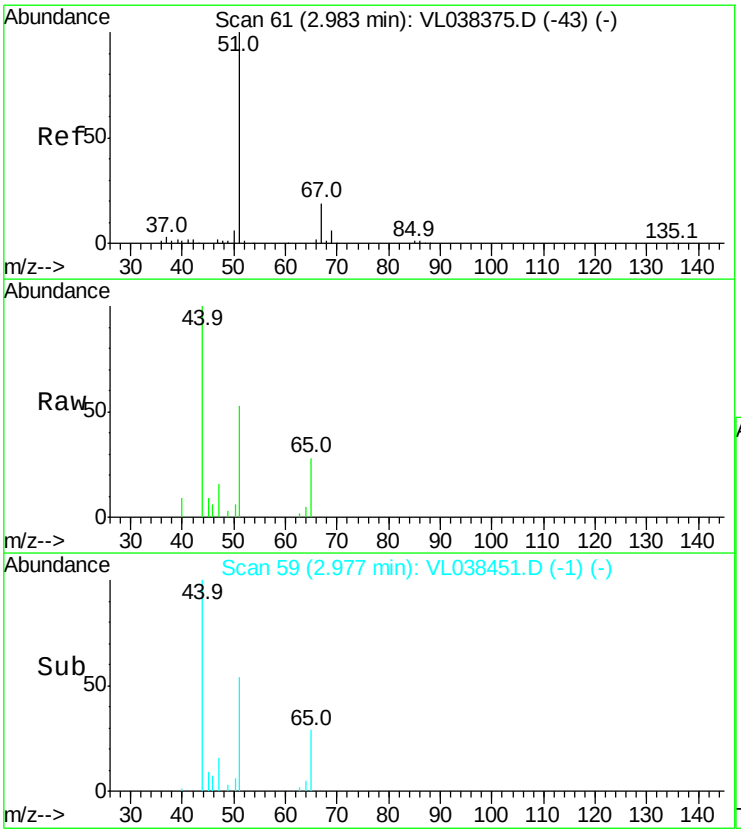
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 1 Mar 2022 14:59

Instrument :
MSVOA_L
ClientSampleId :
SVP-1DL

Tgt Ion: 49 Resp: 867159

Ion	Ratio	Lower	Upper
49	100		
128	46.8	24.3	72.9
130	60.7	30.1	90.5

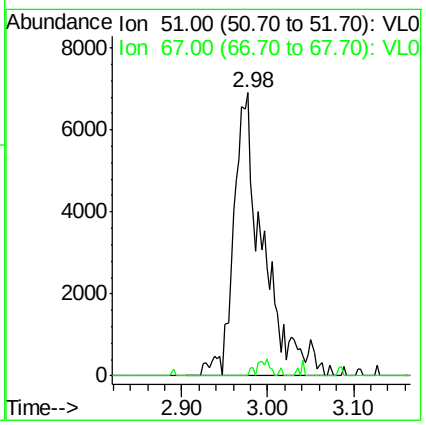


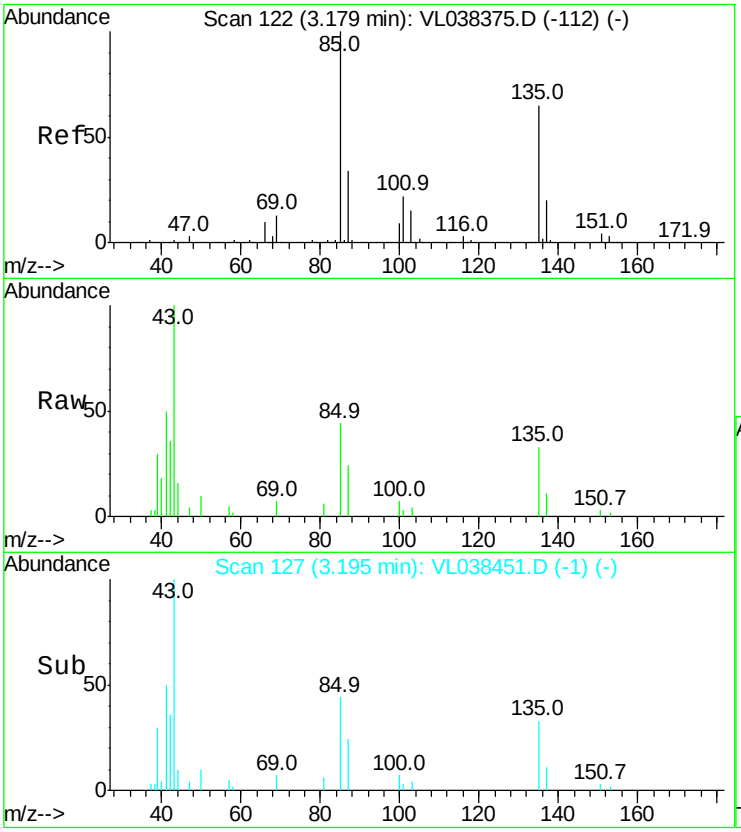


#3
Chlorodifluoromethane
Concen: 0.11 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.01 min
Lab File: VL038451.D
Acq: 1 Mar 2022 14:59

Tgt Ion: 51 Resp: 16371

Ion	Ratio	Lower	Upper
51	100		
67	2.5	14.7	22.1#



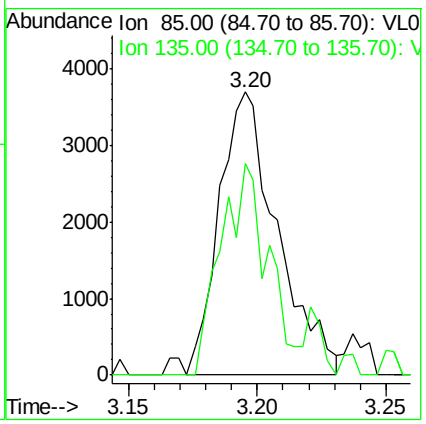


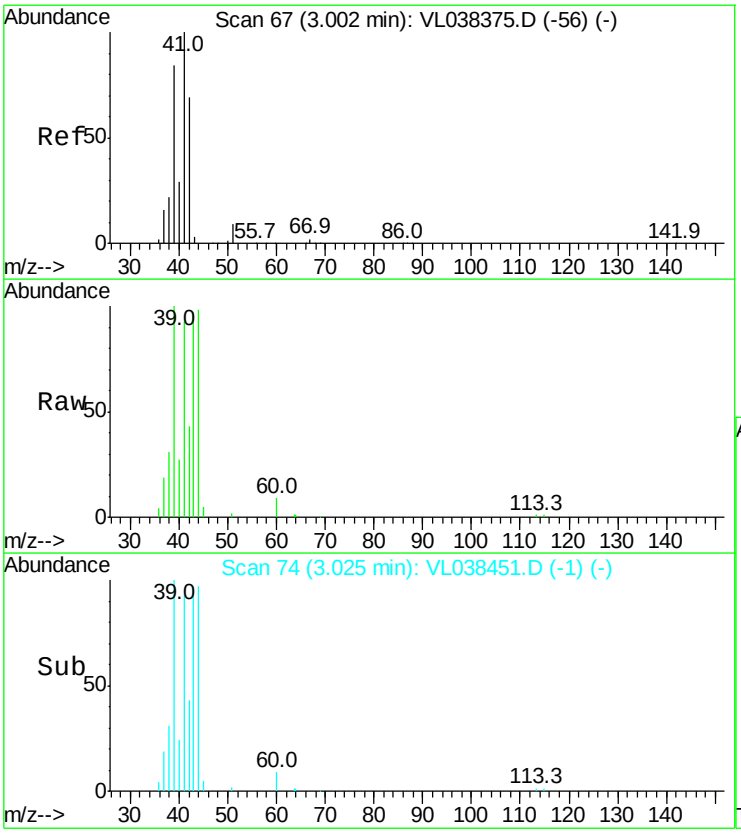
#8
Dichlorotetrafluoroethane
Concen: 0.05 ppbv
RT: 3.20
Delta R.T
Lab File:
Acq: 1 Mar 2022 14:59

Instrument :
MSVOA_L
ClientSampleId :
SVP-1DL

Tgt Ion: 85 Resp: 5794

Ion	Ratio	Lower	Upper
85	100		
135	69.5	54.1	81.1

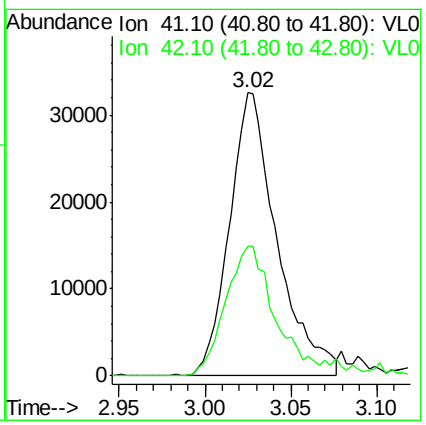


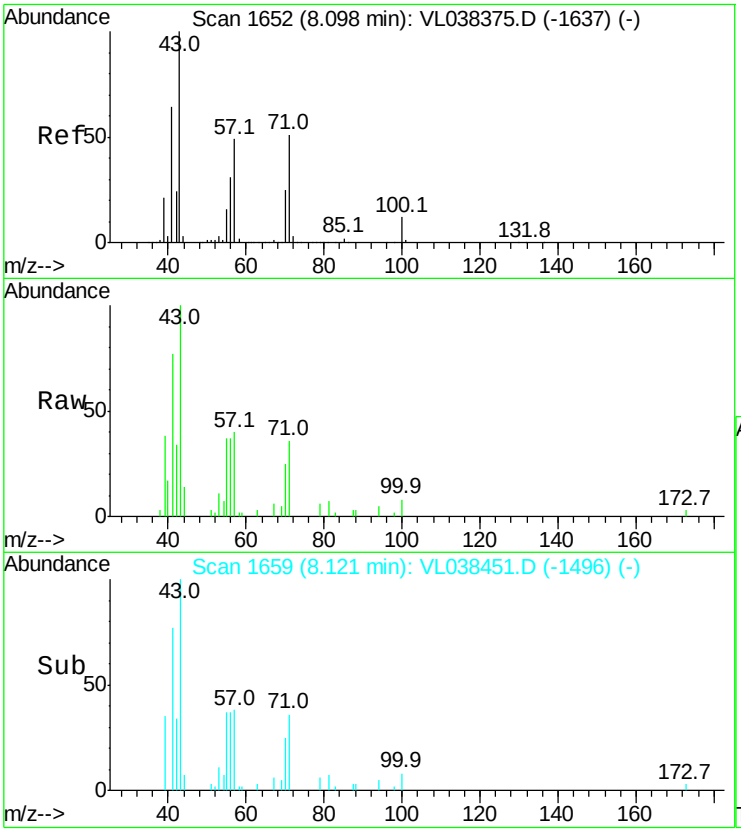


#9
Propene
Concen: 1.24 ppbv
RT: 3.02 min Scan# 74
Delta R.T. 0.02 min
Lab File: VL038451.D
Acq: 1 Mar 2022 14:59

Tgt Ion: 41 Resp: 62606

Ion	Ratio	Lower	Upper
41	100		
42	52.0	54.6	82.0#



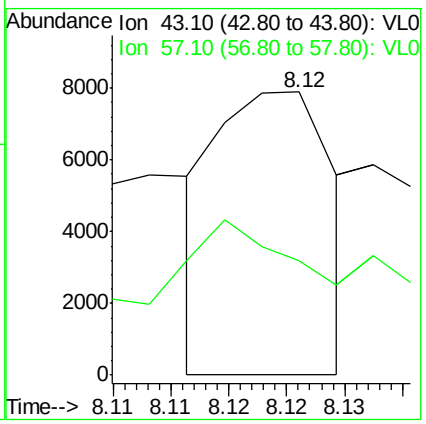


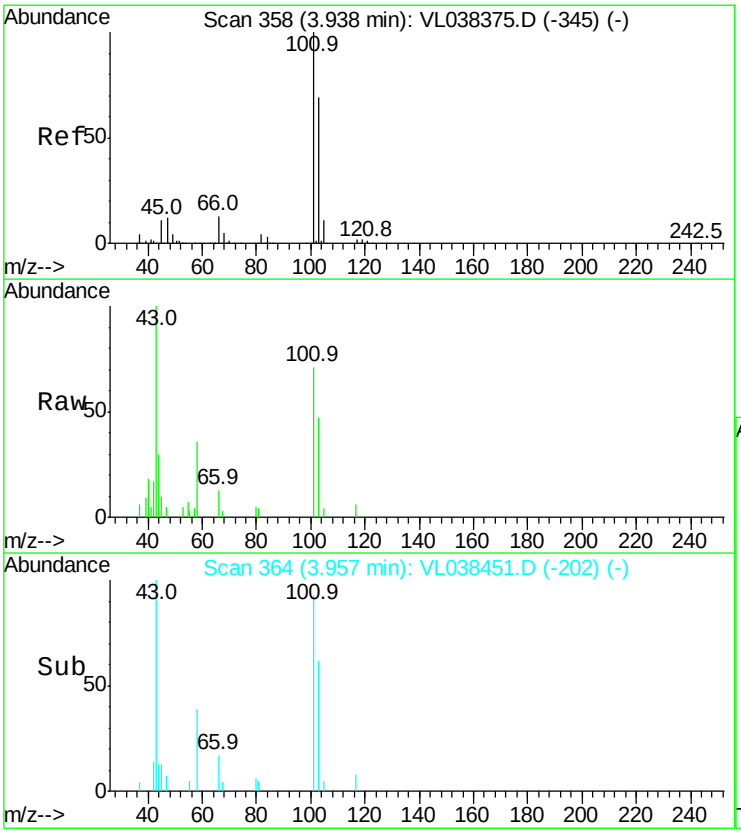
#10
Heptane
Concen: 0.04 ppbv
RT: 8.12
Delta R.T
Lab File:
Acq: 1 Mar 2022 14:59

Instrument :
MSVOA_L
ClientSampleId :
SVP-1DL

Tgt Ion: 43 Resp: 5483

Ion	Ratio	Lower	Upper
43	100		
57	148.9	39.8	59.8#

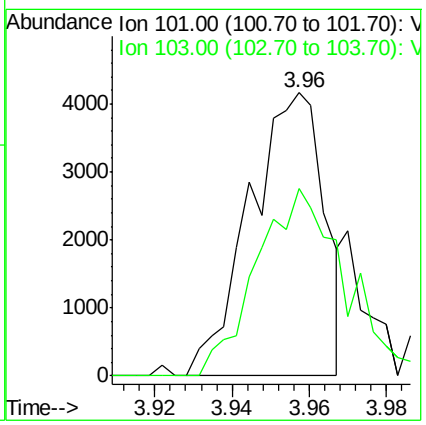


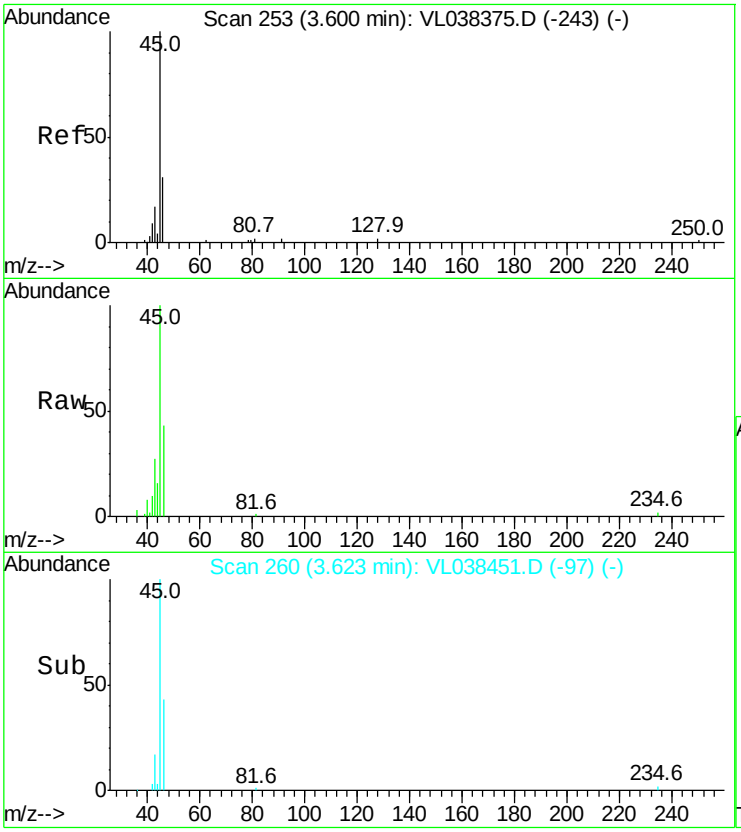


#11
Trichlorofluoromethane
Concen: 0.04 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.02 min
Lab File: VL038451.D
Acq: 1 Mar 2022 14:59

Tgt Ion:101 Resp: 5584

Ion	Ratio	Lower	Upper
101	100		
103	66.3	55.0	82.4



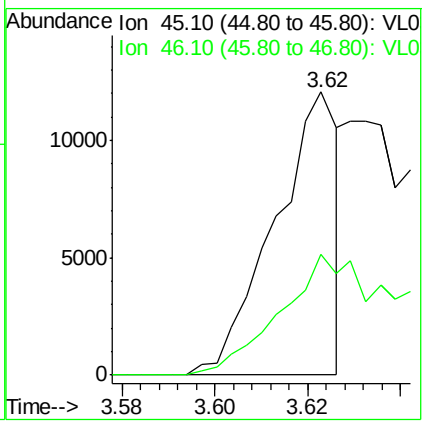


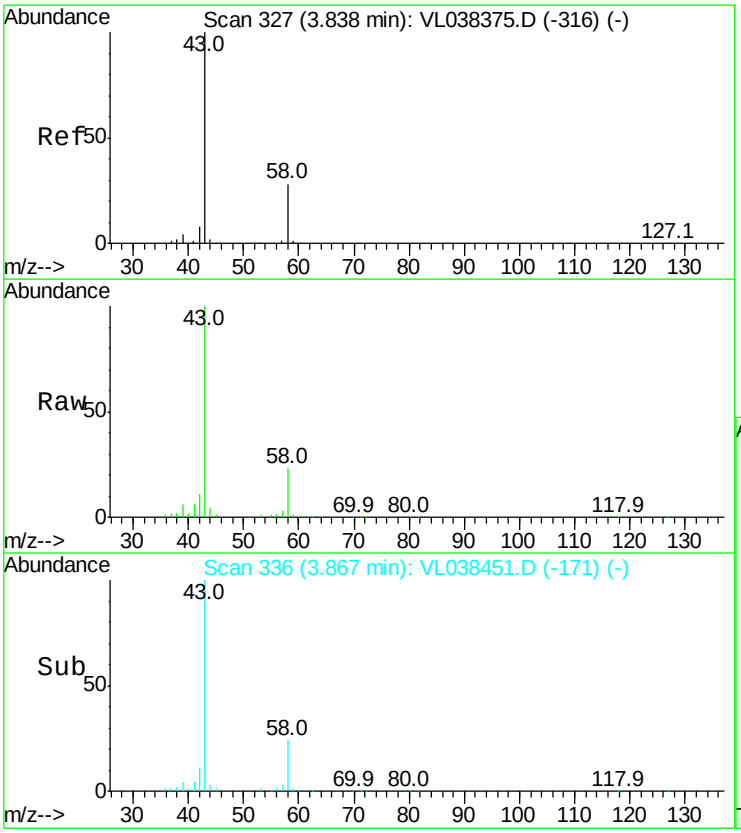
#13
Ethanol
Concen: 2.27 ppbv
RT: 3.62
Delta R.T
Lab File:
Acq: 1 Mar 2022 14:59

Instrument :
MSVOA_L
ClientSampleId :
SVP-1DL

Tgt Ion: 45 Resp: 11456

Ion	Ratio	Lower	Upper
45	100		
46	129.1	18.2	72.8#

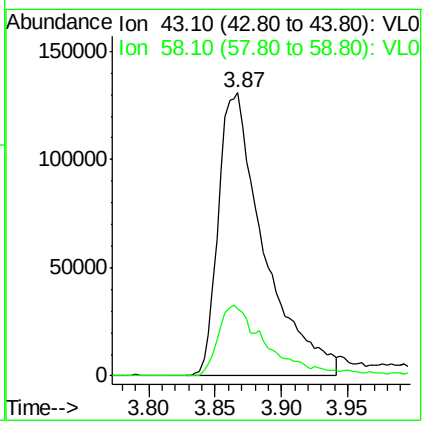


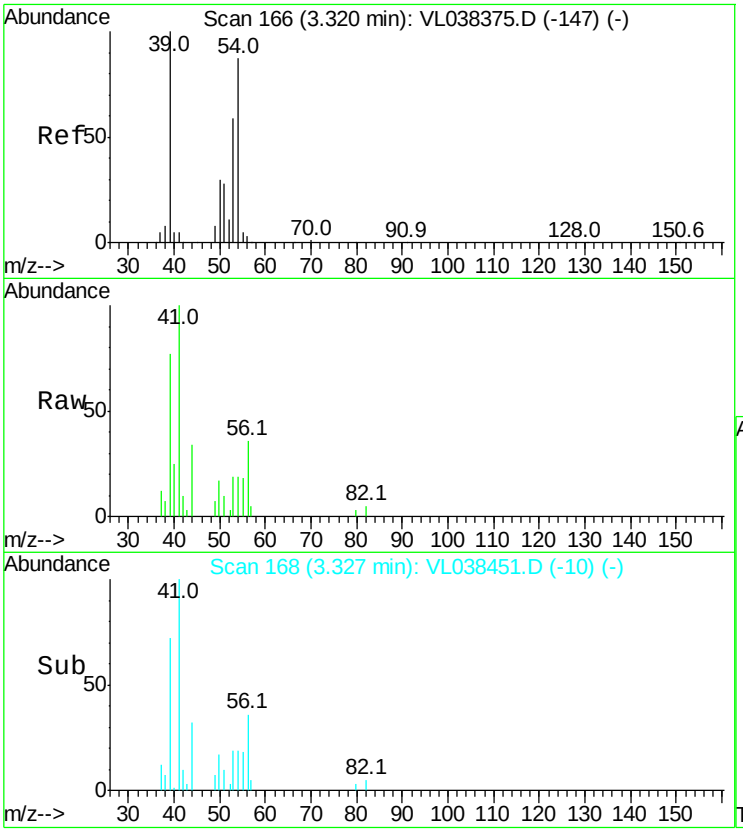


#15
Acetone
Concen: 4.24 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.03 min
Lab File: VL038451.D
Acq: 1 Mar 2022 14:59

Tgt Ion: 43 Resp: 312886

Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.7	32.5



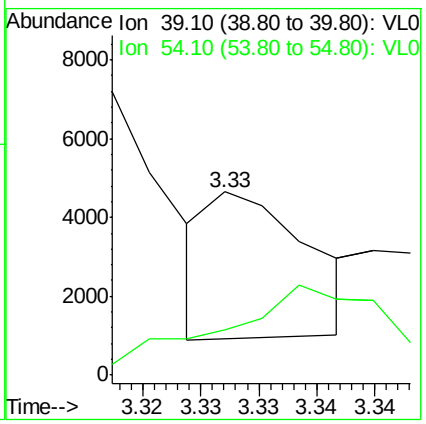


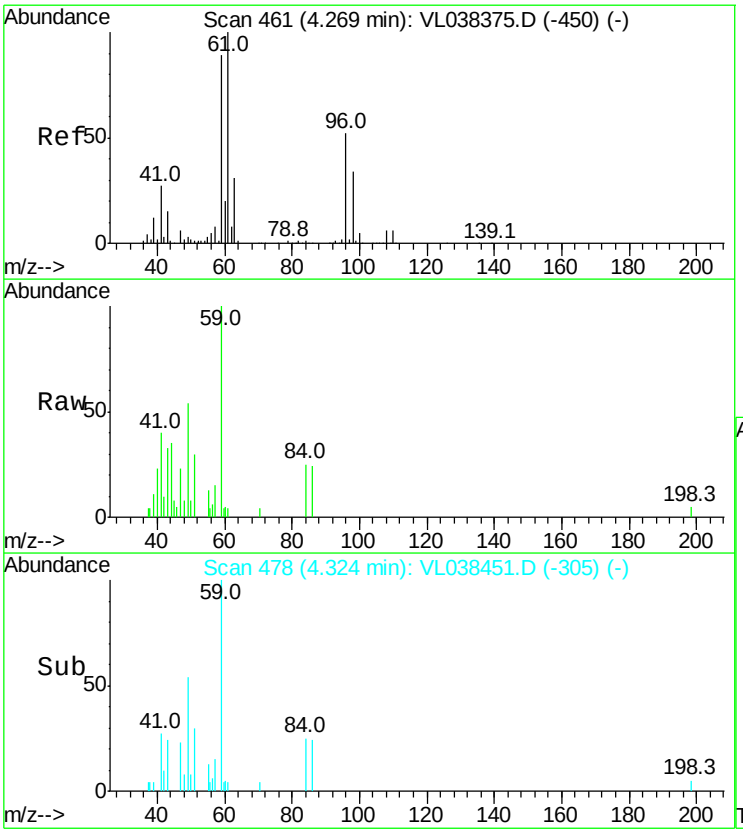
#16
1,3-Butadiene
Concen: 0.05 ppbv
RT: 3.33
Delta R.T
Lab File:
Acq: 1 Mar 2022 14:59

Instrument :
MSVOA_L
ClientSampleId :
SVP-1DL

Tgt Ion: 39 Resp: 2224

Ion	Ratio	Lower	Upper
39	100		
54	0.0	60.3	90.5#

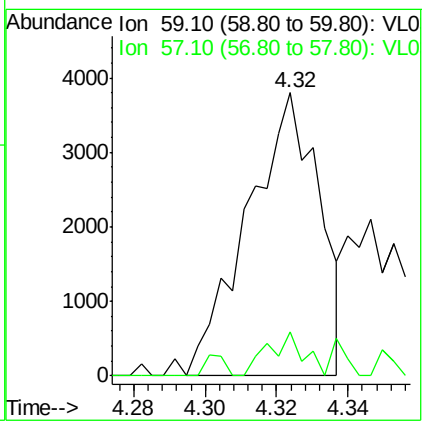


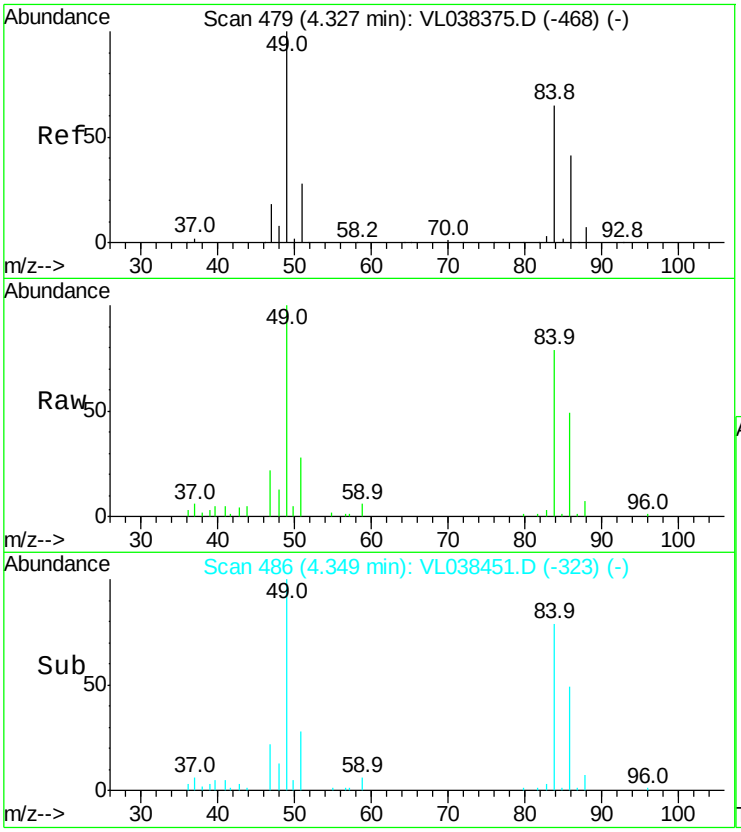


#17
tert-Butyl alcohol
Concen: 0.07 ppbv
RT: 4.32 min Scan# 478
Delta R.T. 0.05 min
Lab File: VL038451.D
Acq: 1 Mar 2022 14:59

Tgt Ion: 59 Resp: 5280

Ion	Ratio	Lower	Upper
59	100		
57	14.3	8.4	12.6#



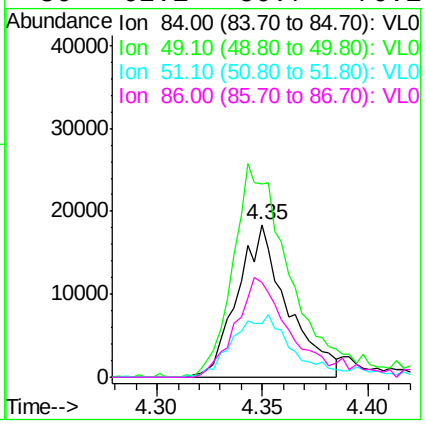


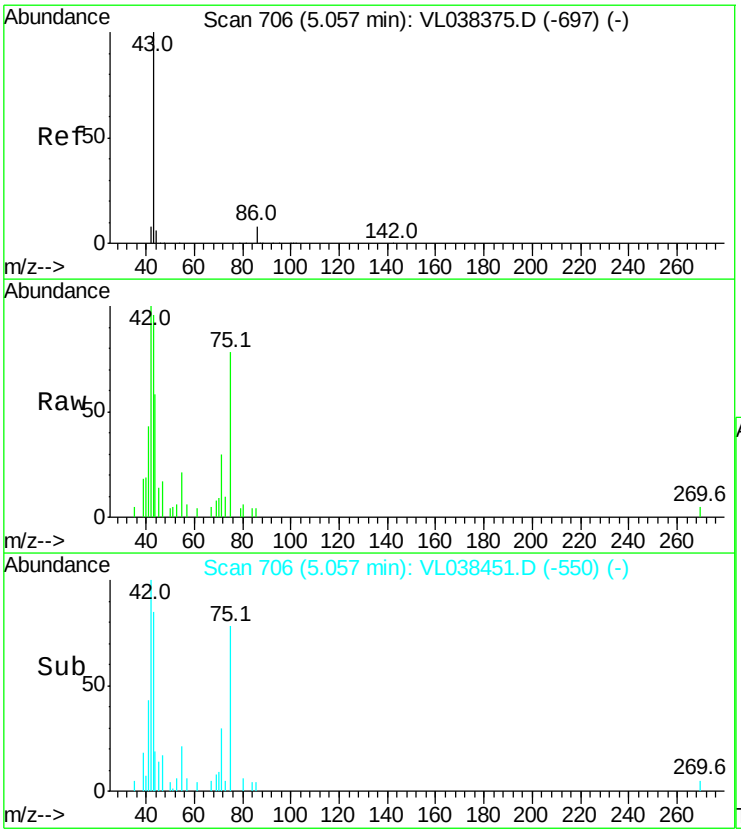
#20
Methylene Chloride
Concen: 0.83 ppbv
RT: 4.35
Delta R.T
Lab File:
Acq: 1 Mar 2022 14:59

Instrument :
MSVOA_L
ClientSampleId :
SVP-1DL

Tgt Ion: 84 Resp: 30375

Ion	Ratio	Lower	Upper
84	100		
49	124.8	122.4	183.6
51	34.7	33.3	49.9
86	62.1	50.7	76.1

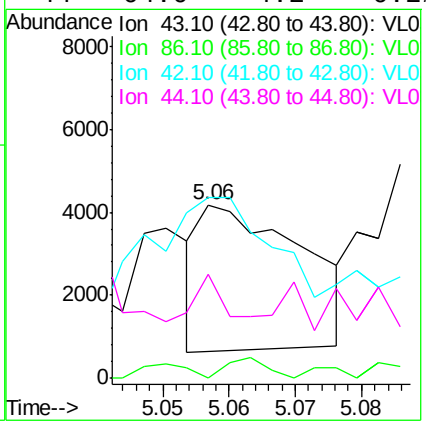


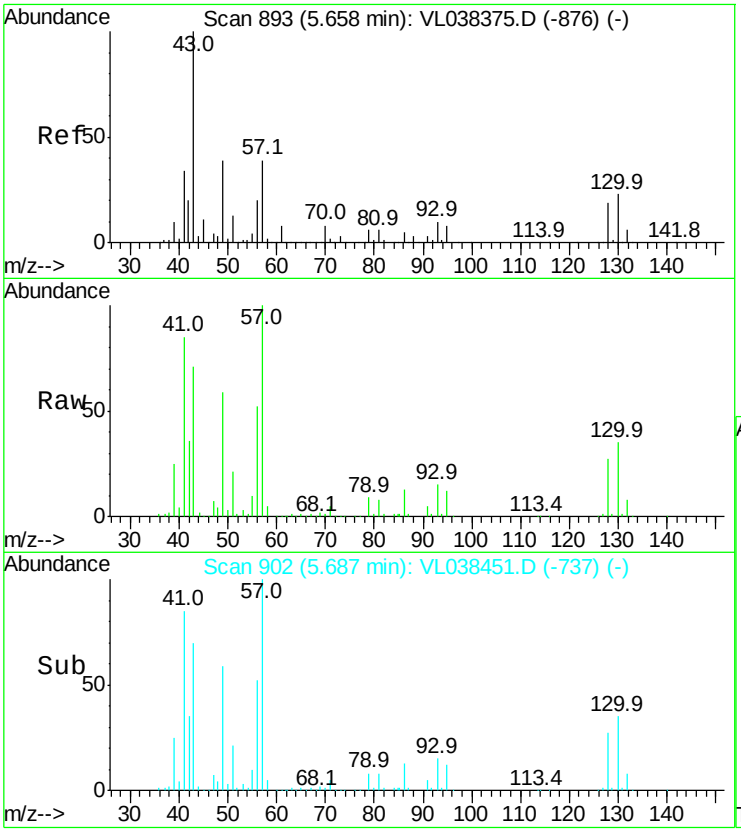


#23
Vinyl Acetate
Concen: 0.04 ppbv
RT: 5.06 min Scan# 706
Delta R.T. 0.00 min
Lab File: VL038451.D
Acq: 1 Mar 2022 14:59

Tgt Ion: 43 Resp: 3751

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.8	8.6#
42	142.5	7.4	11.0#
44	64.0	4.2	6.2#



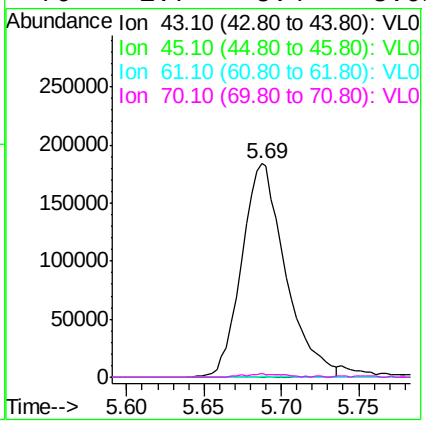


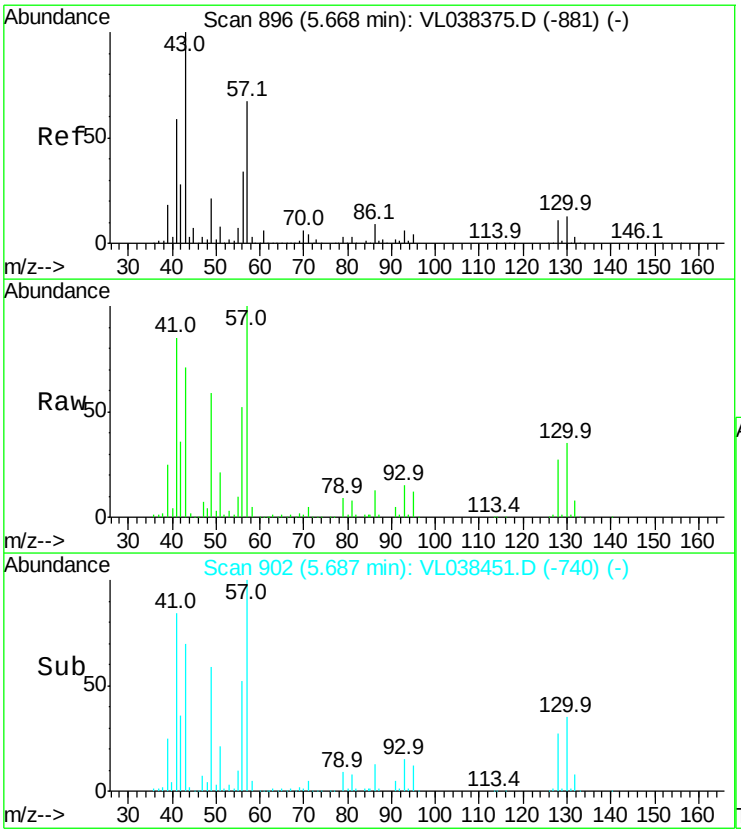
#25
Ethyl Acetate
Concen: 1.82 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 1 Mar 2022 14:59

Instrument :
MSVOA_L
ClientSampleId :
SVP-1DL

Tgt Ion: 43 Resp: 360960

Ion	Ratio	Lower	Upper
43	100		
45	0.5	7.8	11.6#
61	0.3	7.5	11.3#
70	1.7	5.4	8.0#

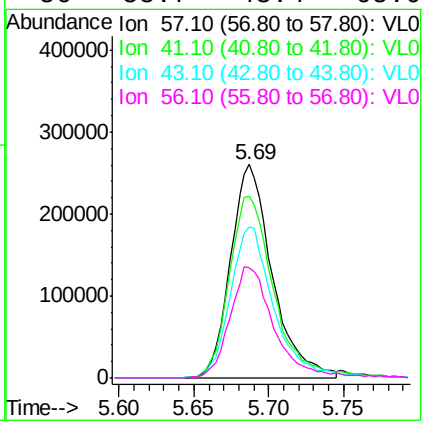


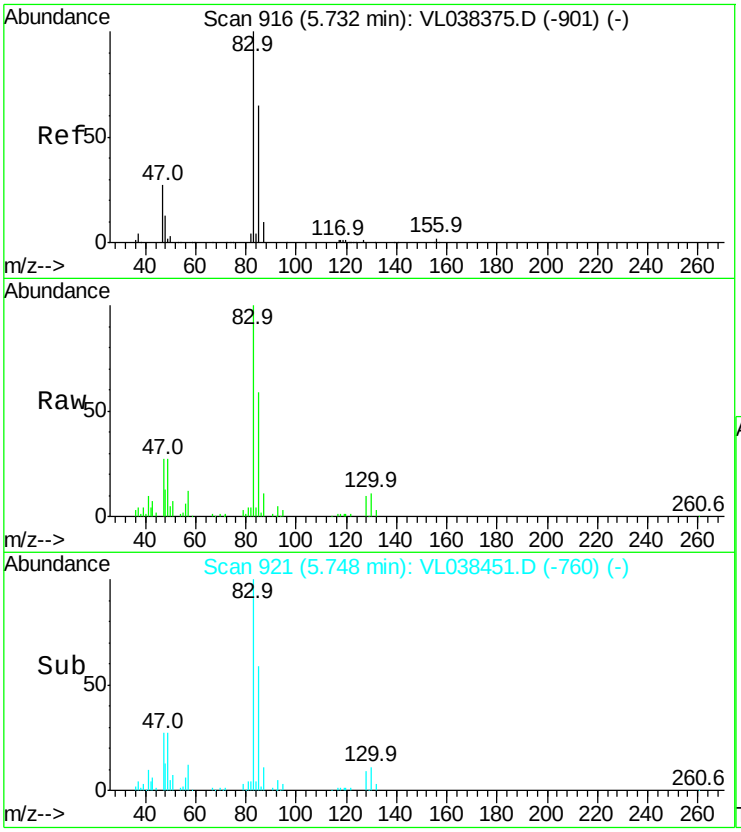


#26
Hexane
Concen: 5.63 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL038451.D
Acq: 1 Mar 2022 14:59

Tgt Ion: 57 Resp: 505276

Ion	Ratio	Lower	Upper
57	100		
41	92.6	73.1	109.7
43	75.0	181.0	271.4#
56	55.7	43.4	65.0



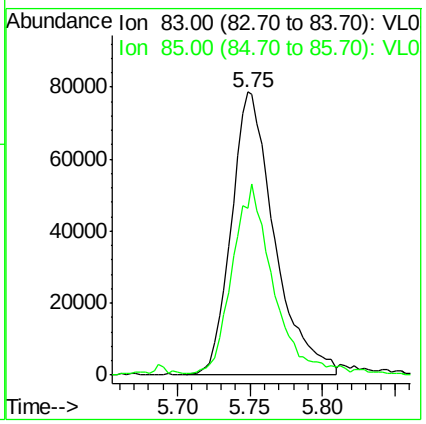


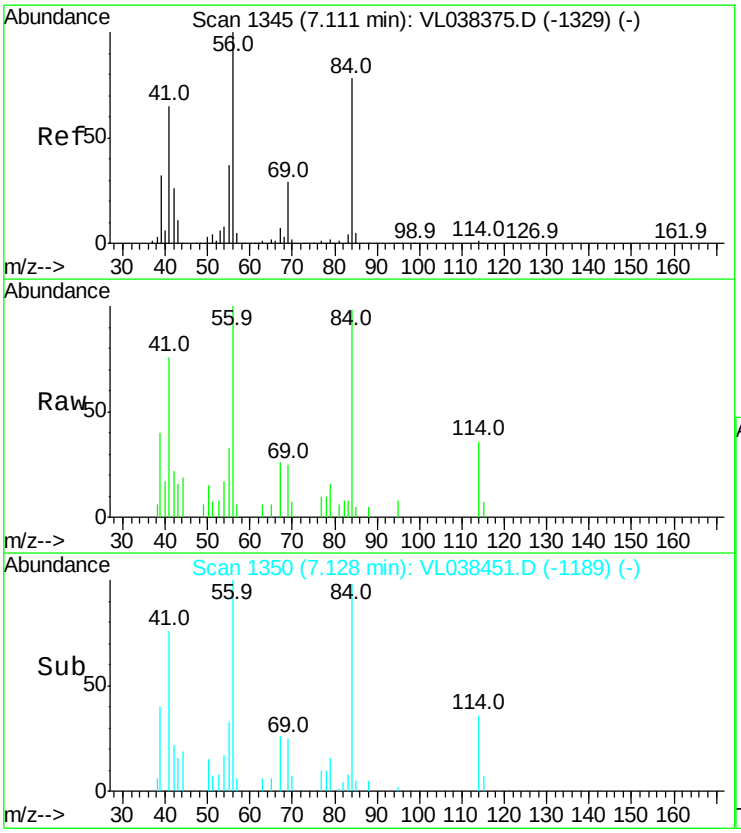
#29
Chloroform
Concen: 1.11 ppbv
RT: 5.75
Delta R.T
Lab File:
Acq: 1 Mar 2022 14:59

Instrument :
MSVOA_L
ClientSampleId :
SVP-1DL

Tgt Ion: 83 Resp: 162468

Ion	Ratio	Lower	Upper
83	100		
85	58.4	51.6	77.4

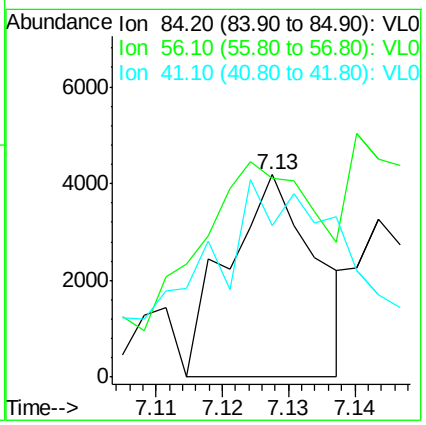


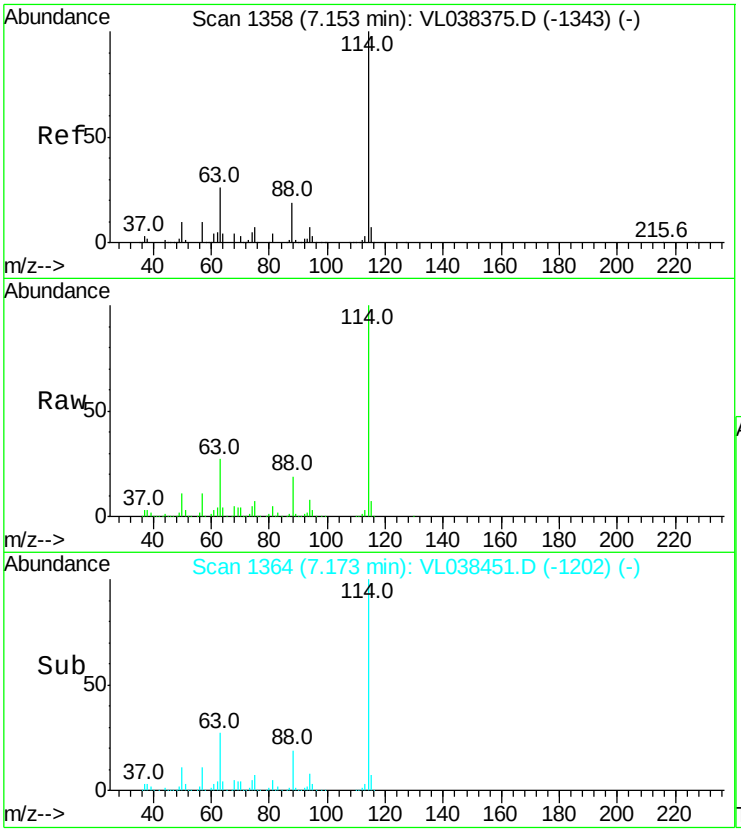


#30
Cyclohexane
Concen: 0.05 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.02 min
Lab File: VL038451.D
Acq: 1 Mar 2022 14:59

Tgt Ion: 84 Resp: 3813

Ion	Ratio	Lower	Upper
84	100		
56	0.0	116.2	174.4#
41	243.5	74.3	111.5#



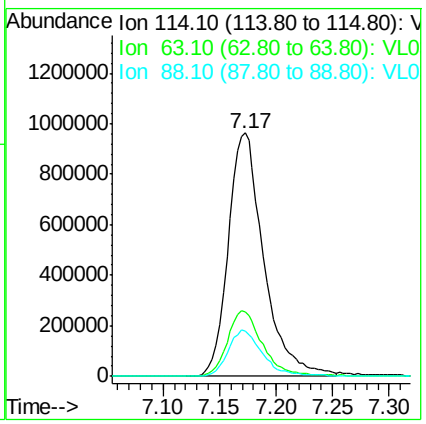


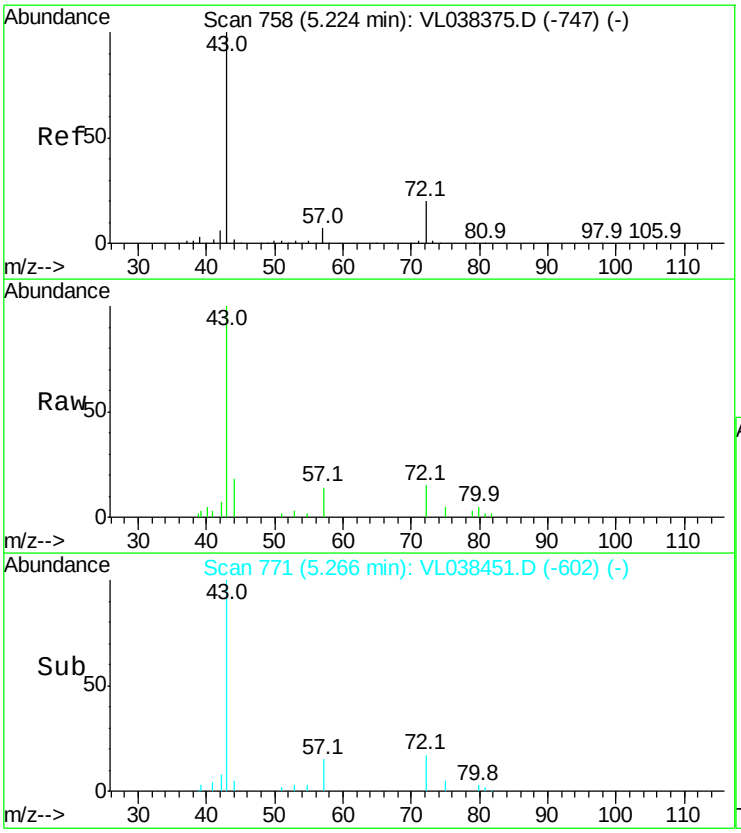
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 1 Mar 2022 14:59

Instrument :
MSVOA_L
ClientSampleId :
SVP-1DL

Tgt Ion:114 Resp: 2102748

Ion	Ratio	Lower	Upper
114	100		
63	27.2	22.2	33.2
88	18.8	15.2	22.8

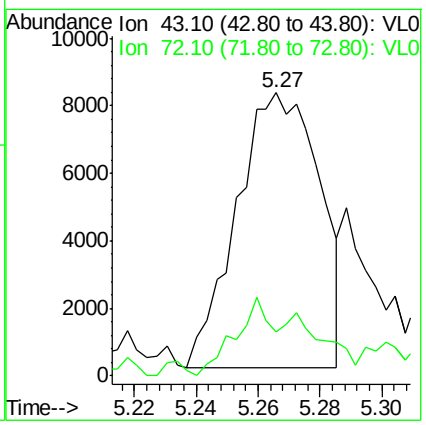


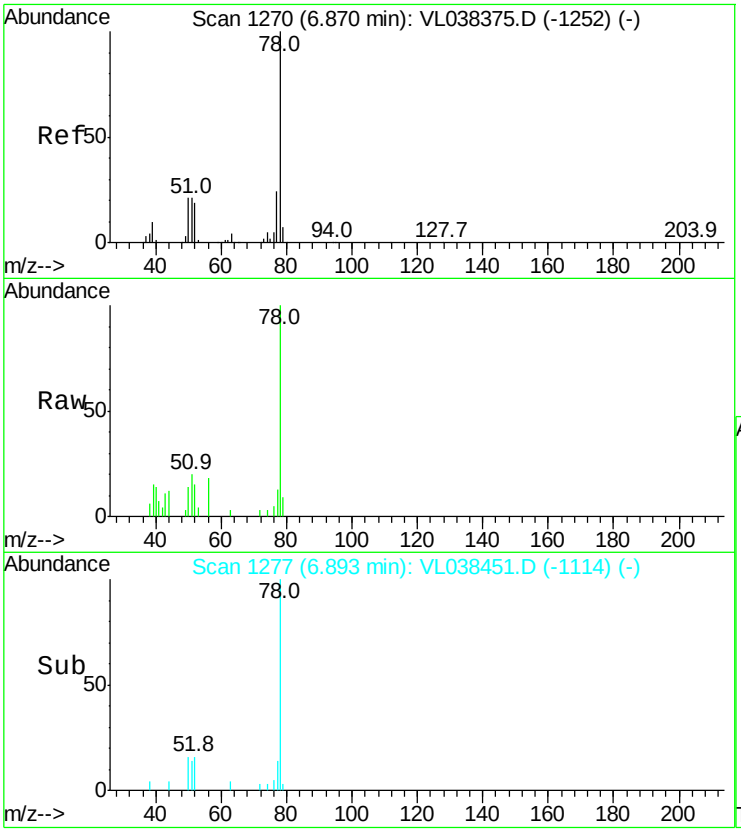


#34
2-Butanone
Concen: 0.23 ppbv
RT: 5.27 min Scan# 771
Delta R.T. 0.04 min
Lab File: VL038451.D
Acq: 1 Mar 2022 14:59

Tgt Ion: 43 Resp: 15138

Ion	Ratio	Lower	Upper
43	100		
72	33.7	17.4	26.2#



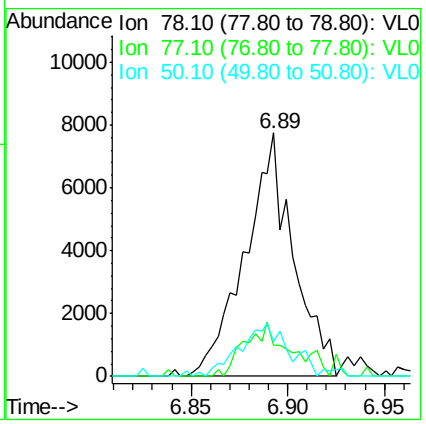


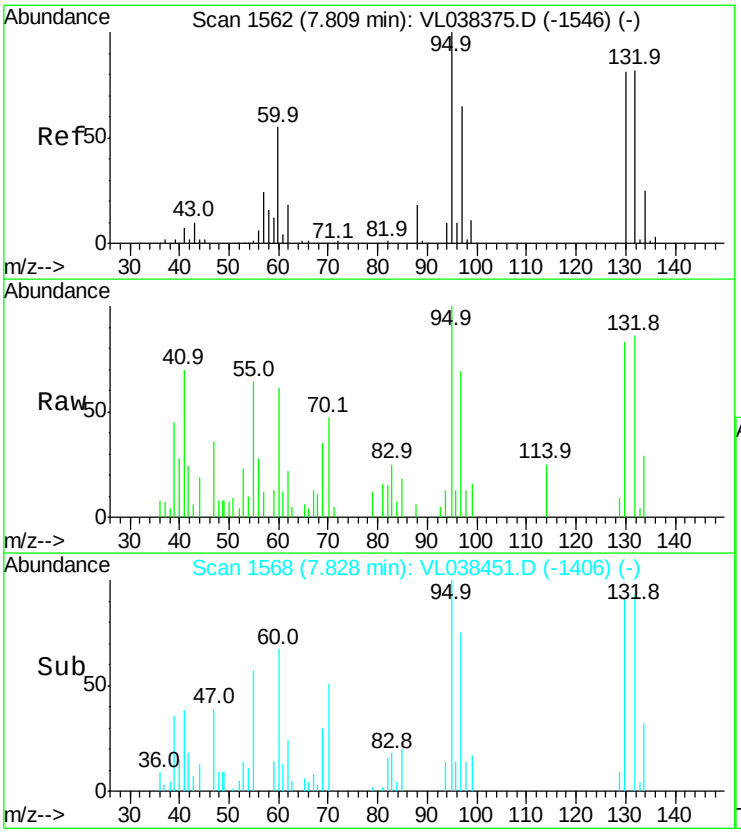
#36
Benzene
Concen: 0.07 ppbv
RT: 6.89
Delta R.T
Lab File:
Acq: 1 Mar 2022 14:59

Instrument :
MSVOA_L
ClientSampleId :
SVP-1DL

Tgt Ion: 78 Resp: 13376

Ion	Ratio	Lower	Upper
78	100		
77	12.0	19.0	28.6#
50	11.5	16.6	24.8#

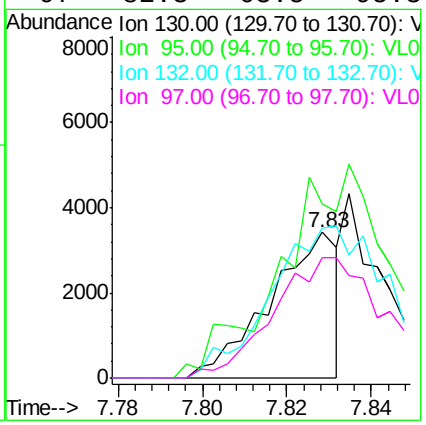


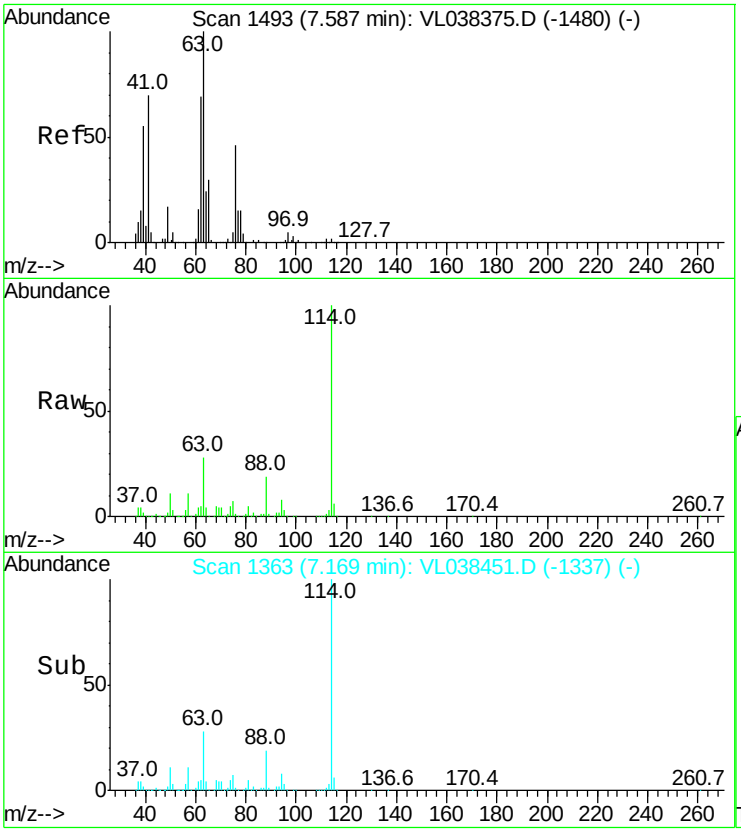


#38
Trichloroethene
Concen: 0.06 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. 0.02 min
Lab File: VL038451.D
Acq: 1 Mar 2022 14:59

Tgt Ion:130 Resp: 3833

Ion	Ratio	Lower	Upper
130	100		
95	110.3	98.1	147.1
132	102.6	80.3	120.5
97	82.3	63.5	95.3



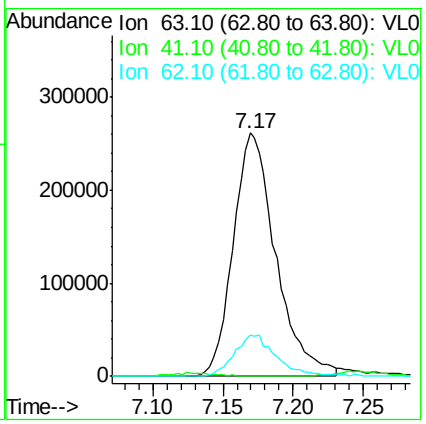


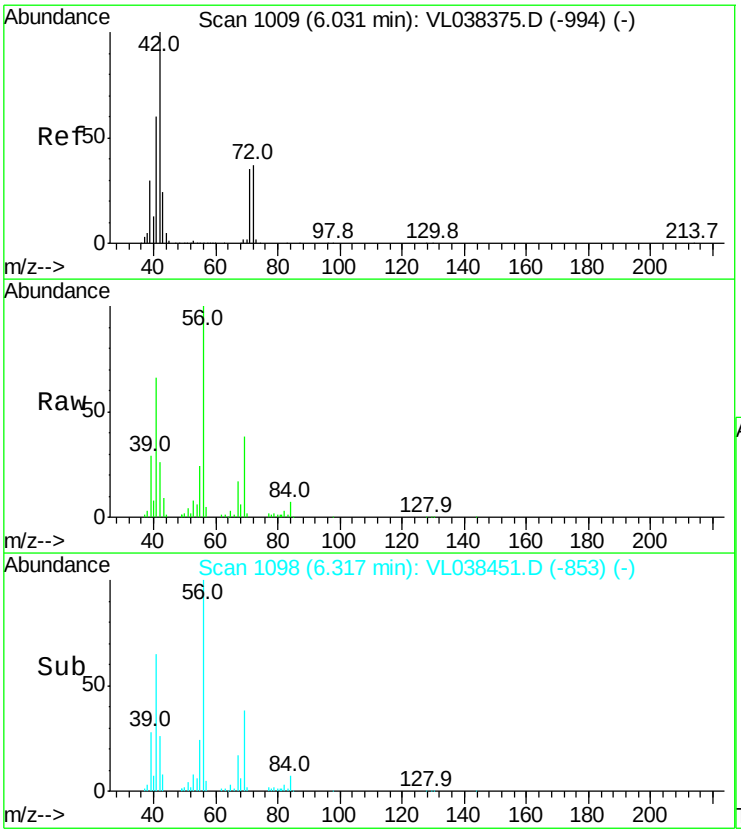
#39
1,2-Dichloropropane
Concen: 7.47 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 1 Mar 2022 14:59

Instrument :
MSVOA_L
ClientSampleId :
SVP-1DL

Tgt Ion: 63 Resp: 551149

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.1	84.1#
62	16.6	55.5	83.3#

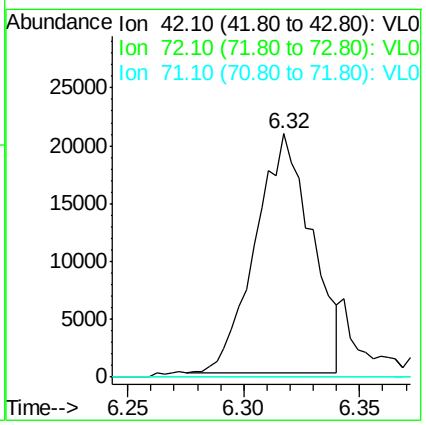


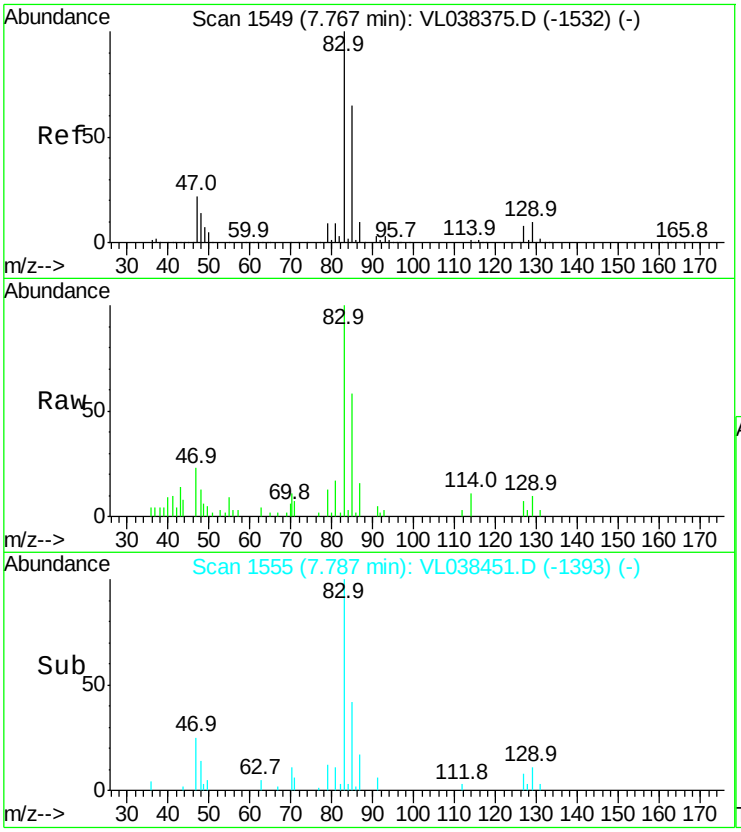


#41
Tetrahydrofuran
Concen: 0.79 ppbv
RT: 6.32 min Scan# 1098
Delta R.T. 0.29 min
Lab File: VL038451.D
Acq: 1 Mar 2022 14:59

Tgt Ion: 42 Resp: 35326

Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.9	44.9#
71	0.0	28.6	42.8#



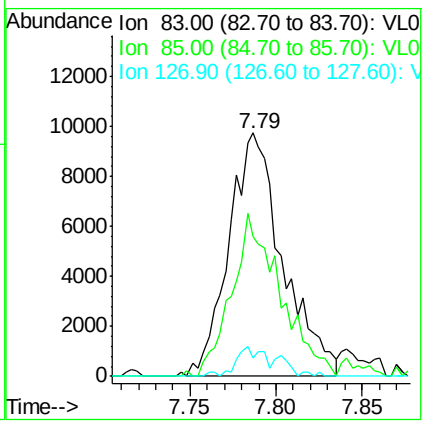


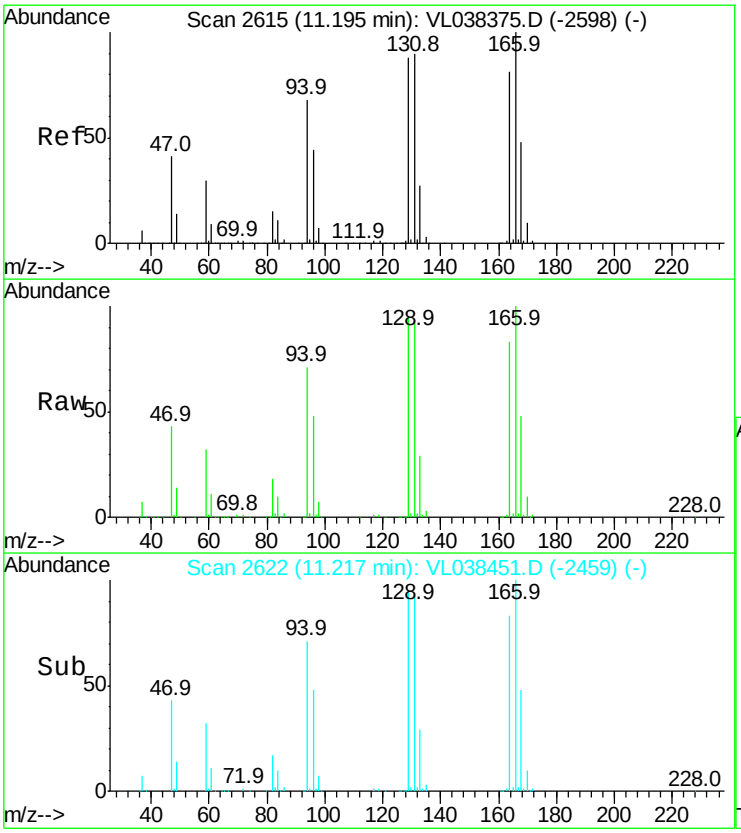
#42
Bromodichloromethane
Concen: 0.14 ppbv
RT: 7.79
Delta R.T
Lab File:
Acq: 1 Mar 2022 14:59

Instrument :
MSVOA_L
ClientSampleId :
SVP-1DL

Tgt Ion: 83 Resp: 21350

Ion	Ratio	Lower	Upper
83	100		
85	57.6	52.2	78.4
127	7.3	6.2	9.4

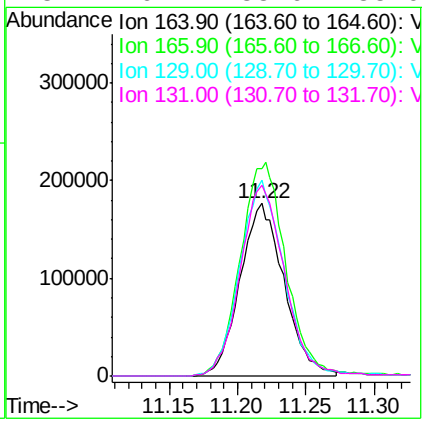


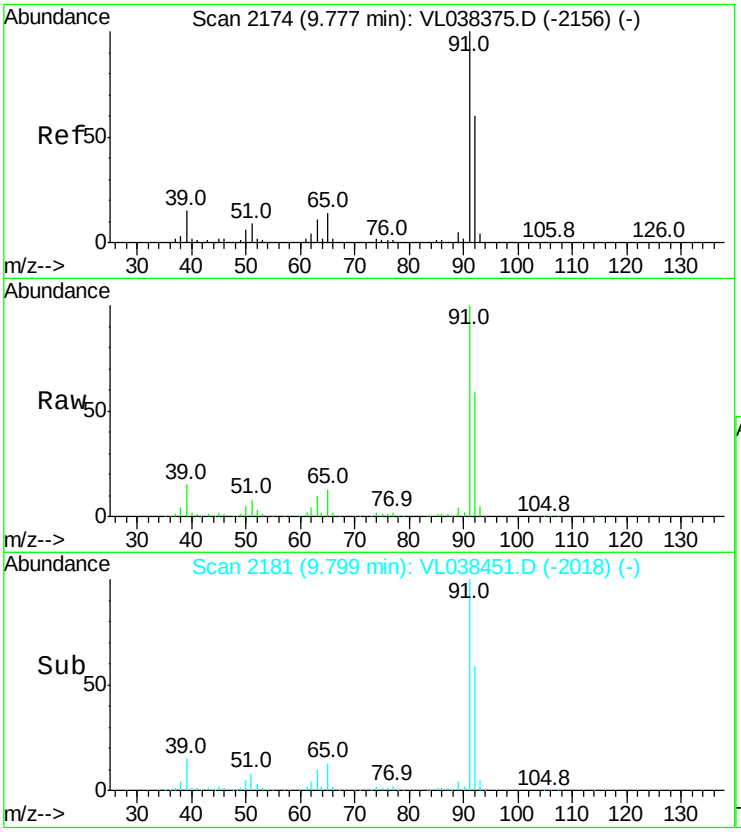


#52
Tetrachloroethene
Concen: 6.43 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. 0.02 min
Lab File: VL038451.D
Acq: 1 Mar 2022 14:59

Tgt Ion:164 Resp: 395084

Ion	Ratio	Lower	Upper
164	100		
166	119.9	98.6	148.0
129	113.9	86.9	130.3
131	110.2	88.6	133.0



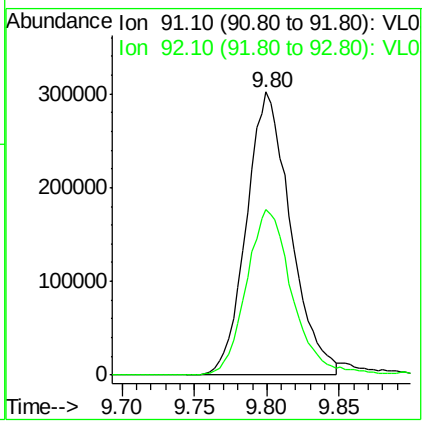


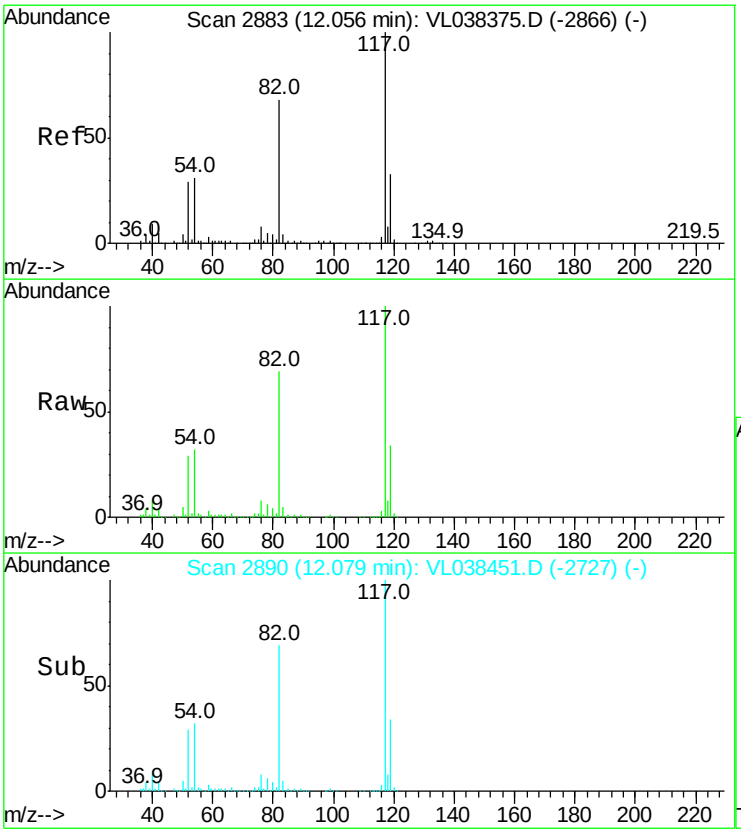
#53
Toluene
Concen: 3.19 ppbv
RT: 9.80
Delta R.T
Lab File:
Acq: 1 Mar 2022 14:59

Instrument :
MSVOA_L
ClientSampleId :
SVP-1DL

Tgt Ion: 91 Resp: 640977

Ion	Ratio	Lower	Upper
91	100		
92	61.1	48.2	72.4

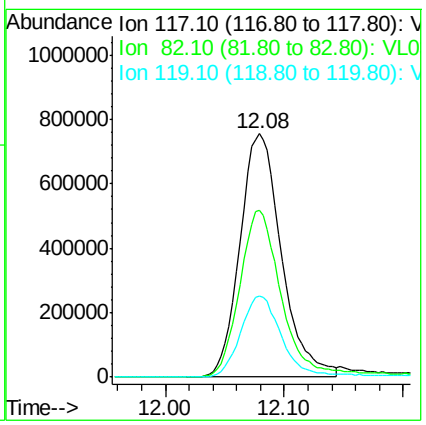


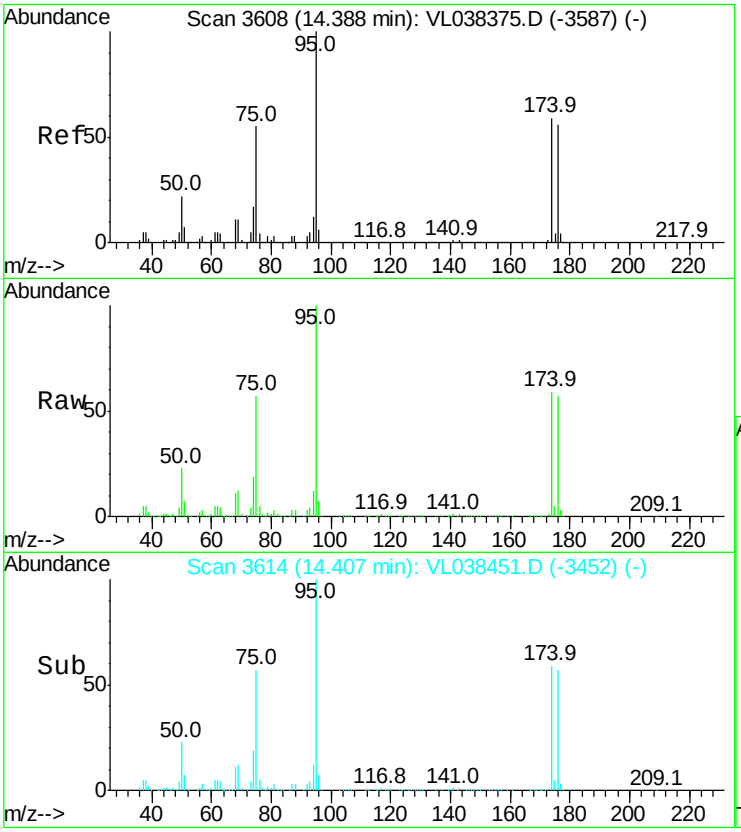


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. 0.02 min
Lab File: VL038451.D
Acq: 1 Mar 2022 14:59

Tgt Ion:117 Resp: 1829460

Ion	Ratio	Lower	Upper
117	100		
82	71.6	54.9	82.3
119	33.5	46.1	69.1#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.51 ppbv
RT: 14.41
Delta R.T
Lab File:
Acq: 1 Mar 2022 14:39

Instrument :
MSVOA_L
ClientSampleId :
SVP-1DL

Tgt Ion: 95 Resp: 1438964

Ion	Ratio	Lower	Upper
95	100		
174	62.9	49.0	73.4
175	4.3	3.6	5.4