Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030222\
Data File : VL038483.D
Acq On : 2 Mar 2022 15:48
Operator : SY/AP
Sample : N1724-01 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV-02

Quant Time: Mar 02 22:37:11 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	5.67	49	981839	10.00	ppbv		0.02
33) 1,4-Difluorobenzene	7.17	114	2266940	10.00	ppbv		0.02
55) Chlorobenzene-d5	12.09	117	2015197	10.00	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	1691313	10.14	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.40%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	3.21	51	186401	1.08	ppbv	#	59
4) Chloromethane	3.15	50	11208	0.19	ppbv	#	85
5) Vinyl Chloride	3.26	62	766484	12.17	ppbv		100
7) Chloroethane	3.26	64	240665	11.90	ppbv	#	42
9) Propene	3.21	41	8157369	142.50	ppbv		98
10) Heptane	8.12	43	69704	0.50	ppbv		94
13) Ethanol	3.61	45	65497	11.46	ppbv		87
15) Acetone	3.88	43	2159747	25.87	ppbv	#	75
16) 1,3-Butadiene	3.31	39	771324	13.83	ppbv	#	30
18) 1,1-Dichloroethene	4.29	96	14265	0.30	ppbv	#	81
19) Isopropyl Alcohol	3.98	45	42273	0.87	ppbv	#	93
20) Methylene Chloride	4.35	84	10871	0.26	ppbv	#	82
21) Allyl Chloride	4.40	41	11862	0.17	ppbv	#	1
22) trans-1,2-Dichloroethene	4.89	96	31488	0.65	ppbv		94
23) Vinyl Acetate	5.06	43	95668	0.86	ppbv	#	1
25) Ethyl Acetate	5.69	43	169630	0.76	ppbv	#	86
26) Hexane	5.69	57	168656	1.66	ppbv	#	50
27) Carbon Disulfide	4.55	76	38614	0.34	ppbv	#	92
30) Cyclohexane	7.13	84	10748	0.13	ppbv	#	1
31) cis-1,2-Dichloroethene	5.55	61	1919190	19.50	ppbv		96
34) 2-Butanone	5.26	43	125012	1.75	ppbv	#	89
36) Benzene	6.89	78	105110	0.53	ppbv		96
38) Trichloroethene	7.83	130	607880	8.36	ppbv		98
39) 1,2-Dichloropropane	7.18	63	615599	7.74	ppbv	#	25
44) 2,2,4-Trimethylpentane	7.87	57	14548	0.04	ppbv	#	1
52) Tetrachloroethene	11.22	164	248700	3.75	ppbv		98
53) Toluene	9.81	91	55310	0.26	ppbv		93
58) Ethyl Benzene	12.71	91	11773	0.04	ppbv		91
59) m/p-Xylene	13.00	91	19399	0.08	ppbv	#	33
60) o-Xylene	13.69	91	21001	0.09	ppbv		97

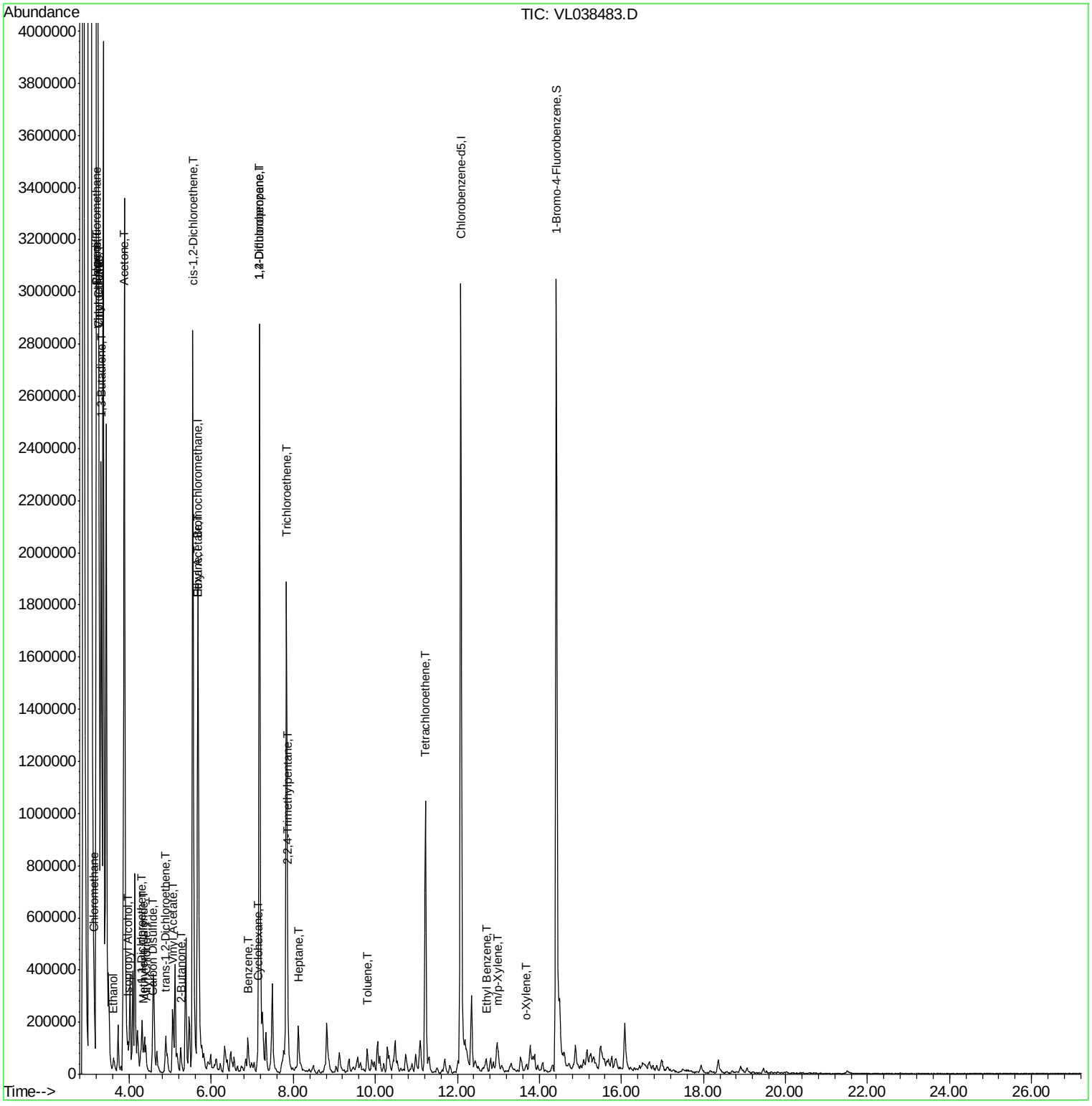
(#) = qualifier out of range (m) = manual integration (+) = signals summed

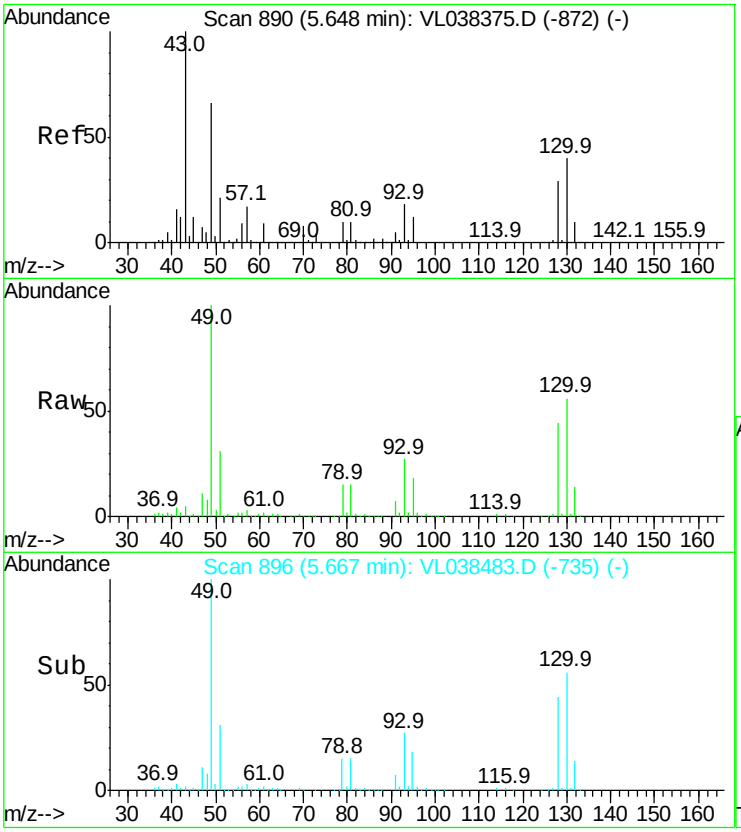
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030222\
Data File : VL038483.D
Acq On : 2 Mar 2022 15:48
Operator : SY/AP
Sample : N1724-01 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Quant Time: Mar 02 22:37:11 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



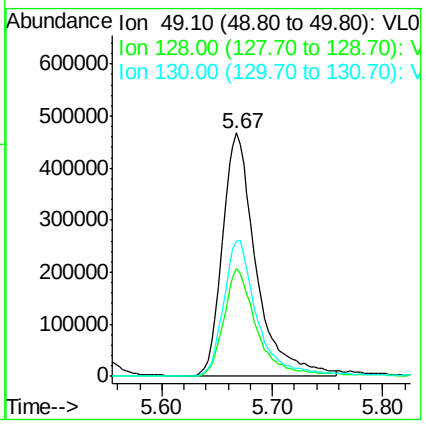


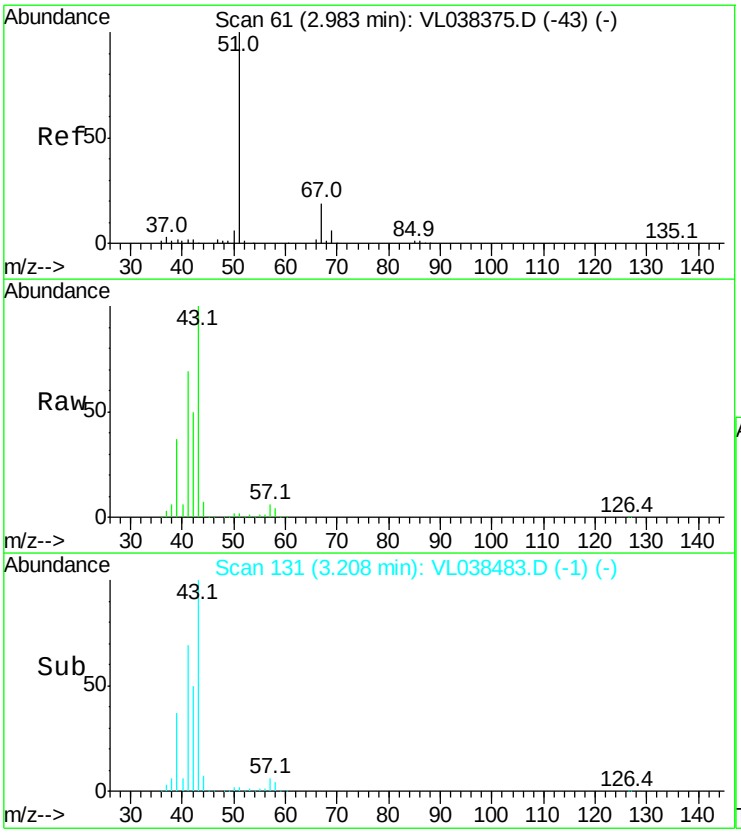
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 2 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 49 Resp: 981839

Ion	Ratio	Lower	Upper
49	100		
128	44.2	24.3	72.9
130	57.0	30.1	90.5

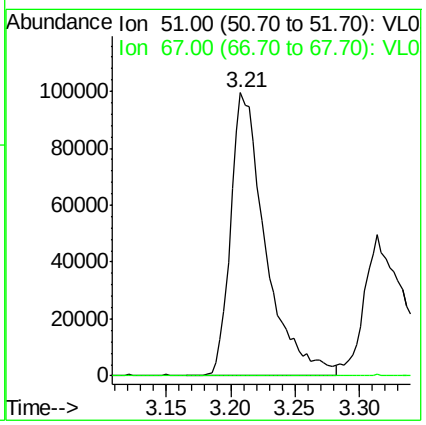


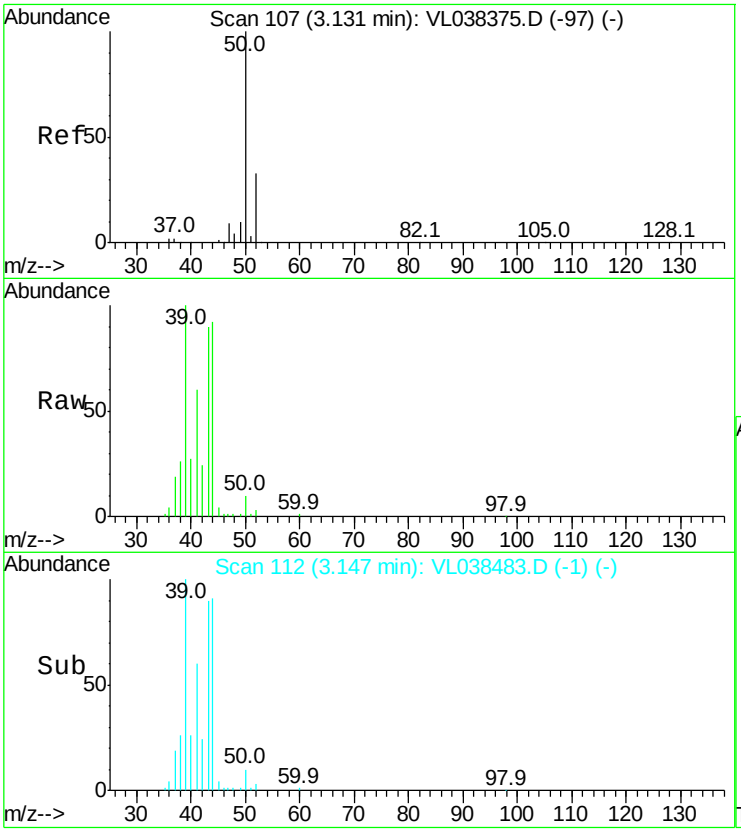


#3
Chlorodifluoromethane
Concen: 1.08 ppbv
RT: 3.21 min Scan# 131
Delta R.T. 0.22 min
Lab File: VL038483.D
Acq: 2 Mar 2022 15:48

Tgt Ion: 51 Resp: 186401

Ion	Ratio	Lower	Upper
51	100		
67	0.0	14.7	22.1#



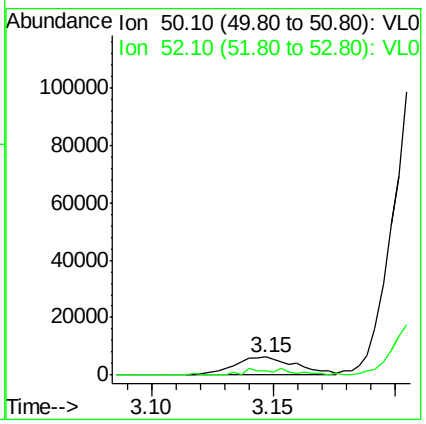


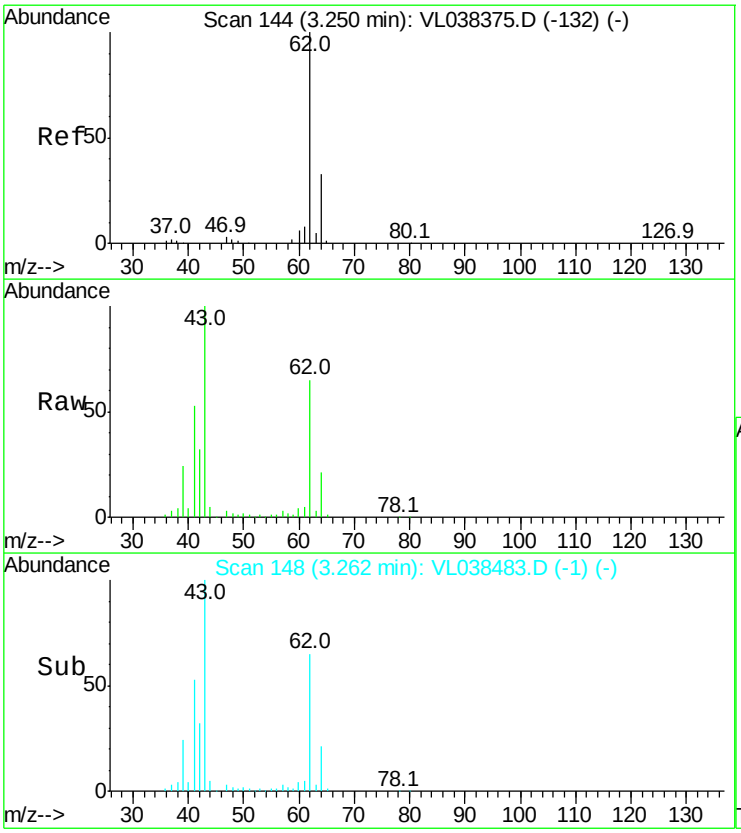
#4
Chloromethane
Concen: 0.19 ppbv
RT: 3.15
Delta R.T
Lab File:
Acq: 2 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 50 Resp: 11208

Ion	Ratio	Lower	Upper
50	100		
52	24.4	26.5	39.7#

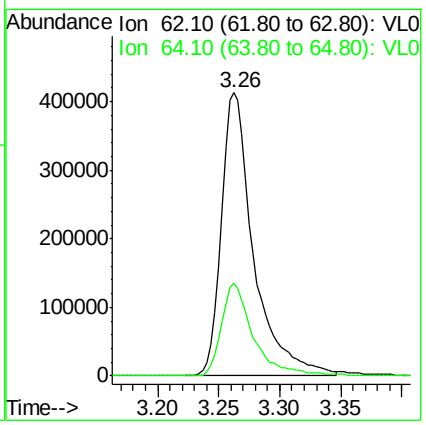


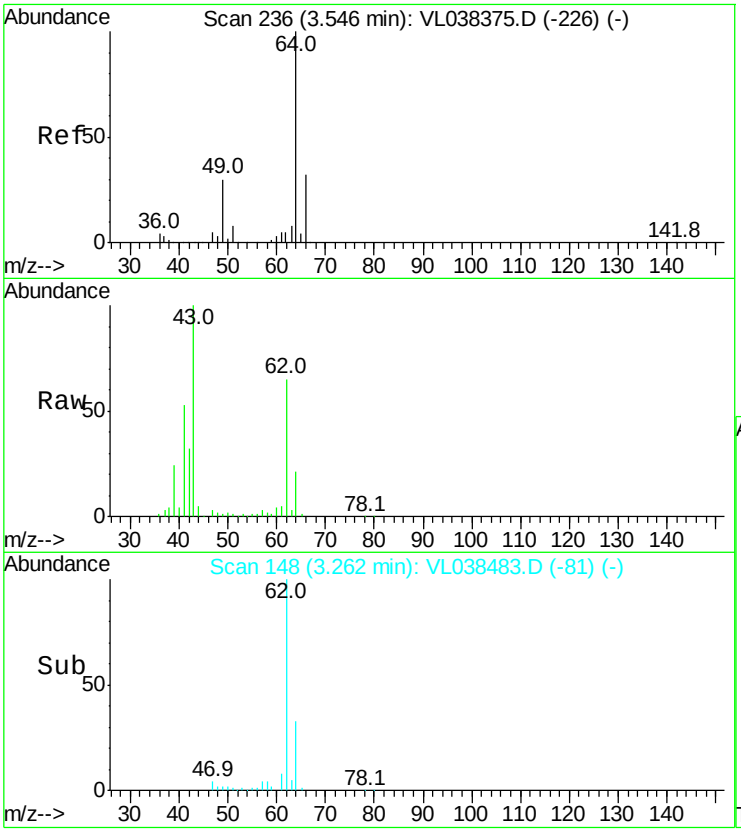


#5
Vinyl Chloride
Concen: 12.17 ppbv
RT: 3.26 min Scan# 148
Delta R.T. 0.01 min
Lab File: VL038483.D
Acq: 2 Mar 2022 15:48

Tgt Ion: 62 Resp: 766484

Ion	Ratio	Lower	Upper
62	100		
64	32.9	26.2	39.2



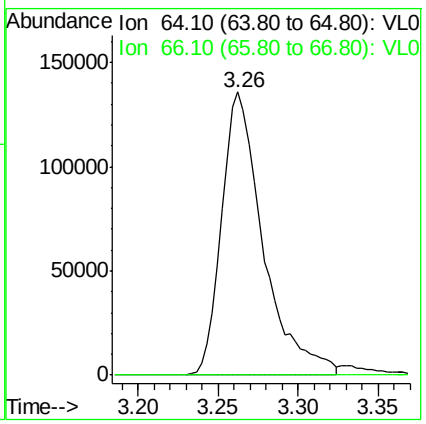


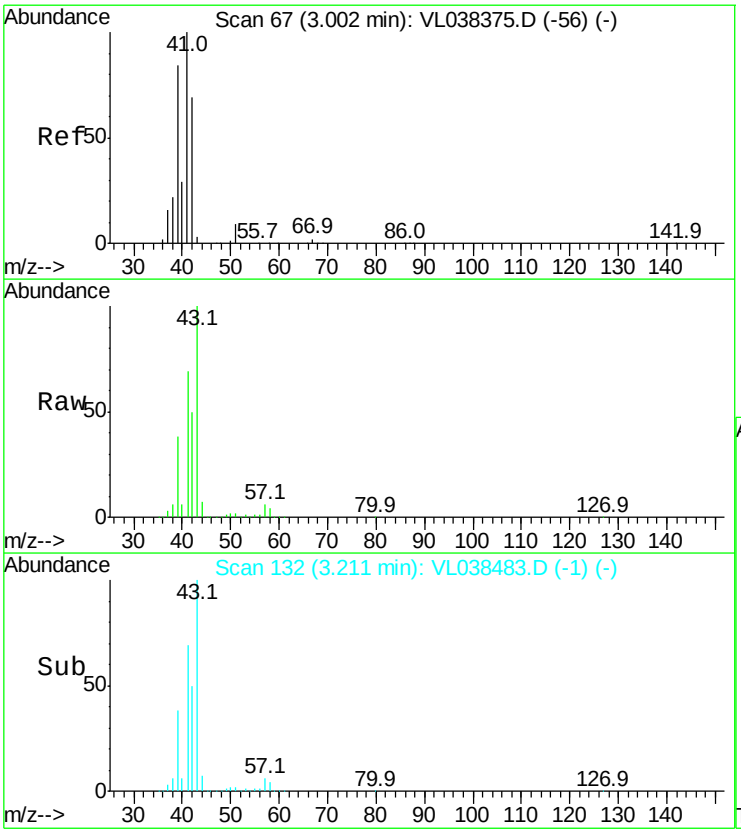
#7
Chloroethane
Concen: 11.90 ppbv
RT: 3.26
Delta R.T
Lab File:
Acq: 2 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 64 Resp: 240665

Ion	Ratio	Lower	Upper
64	100		
66	0.0	25.9	38.9#

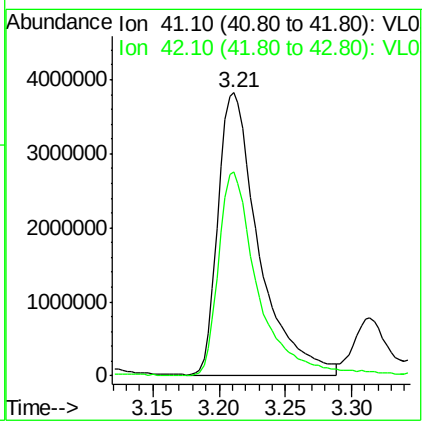


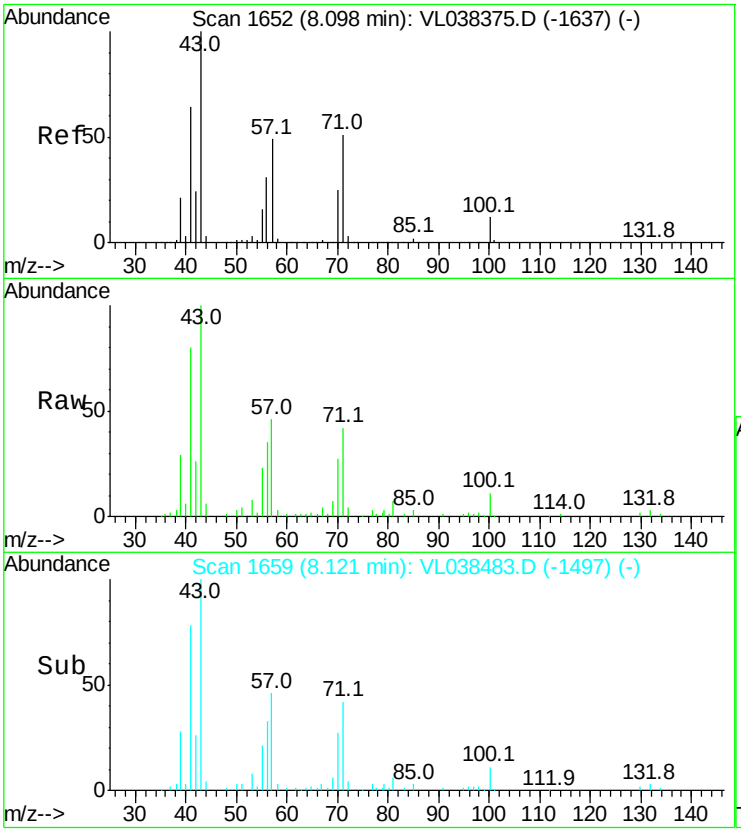


#9
Propene
Concen: 142.50 ppbv
RT: 3.21 min Scan# 132
Delta R.T. 0.21 min
Lab File: VL038483.D
Acq: 2 Mar 2022 15:48

Tgt Ion: 41 Resp: 8157369

Ion	Ratio	Lower	Upper
41	100		
42	69.6	54.6	82.0



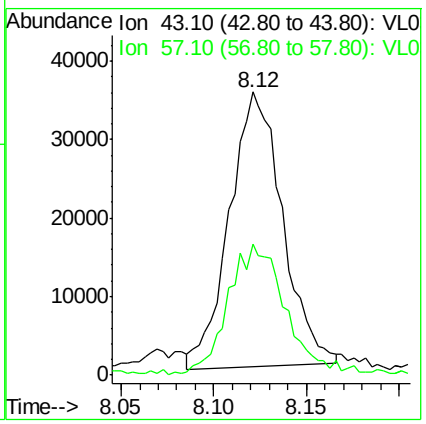


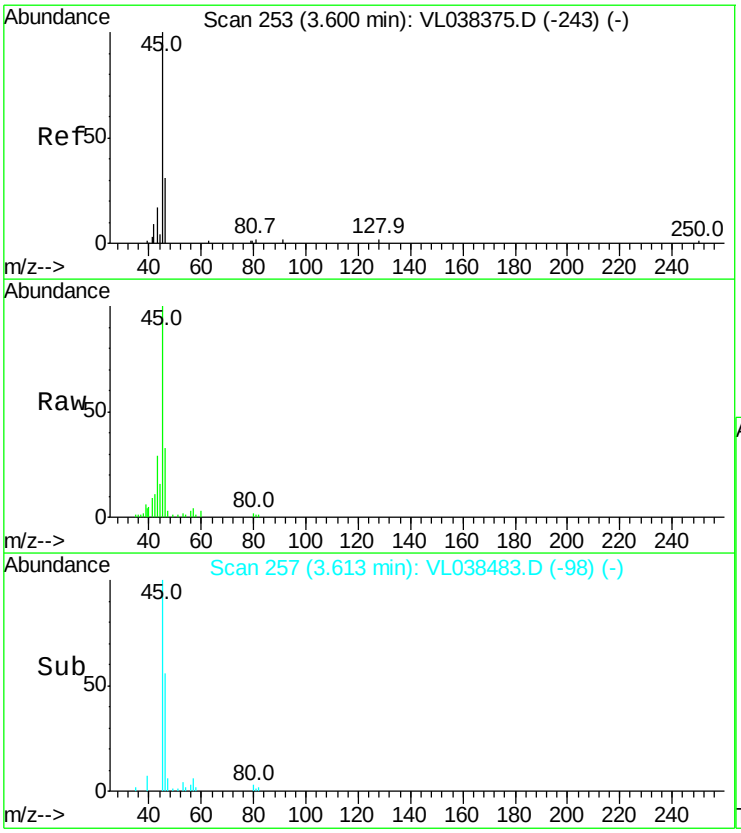
#10
Heptane
Concen: 0.50 ppbv
RT: 8.12
Delta R.T
Lab File:
Acq: 2 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 43 Resp: 69704

Ion	Ratio	Lower	Upper
43	100		
57	53.7	39.8	59.8

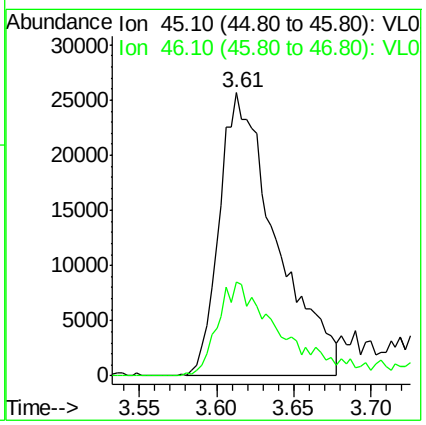


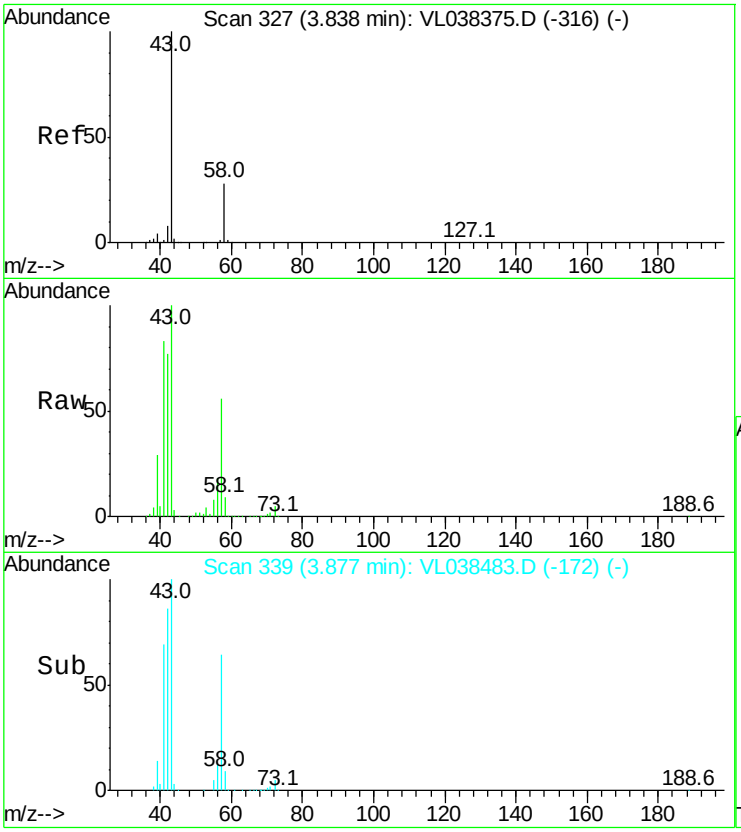


#13
Ethanol
Concen: 11.46 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL038483.D
Acq: 2 Mar 2022 15:48

Tgt Ion: 45 Resp: 65497

Ion	Ratio	Lower	Upper
45	100		
46	36.8	18.2	72.8



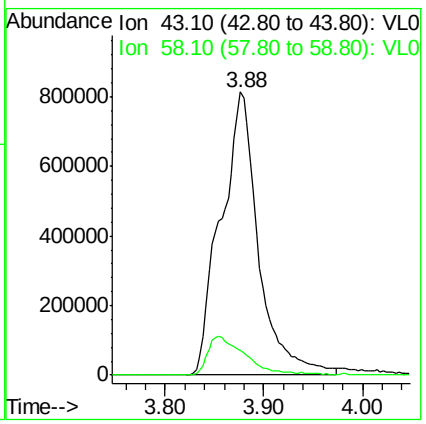


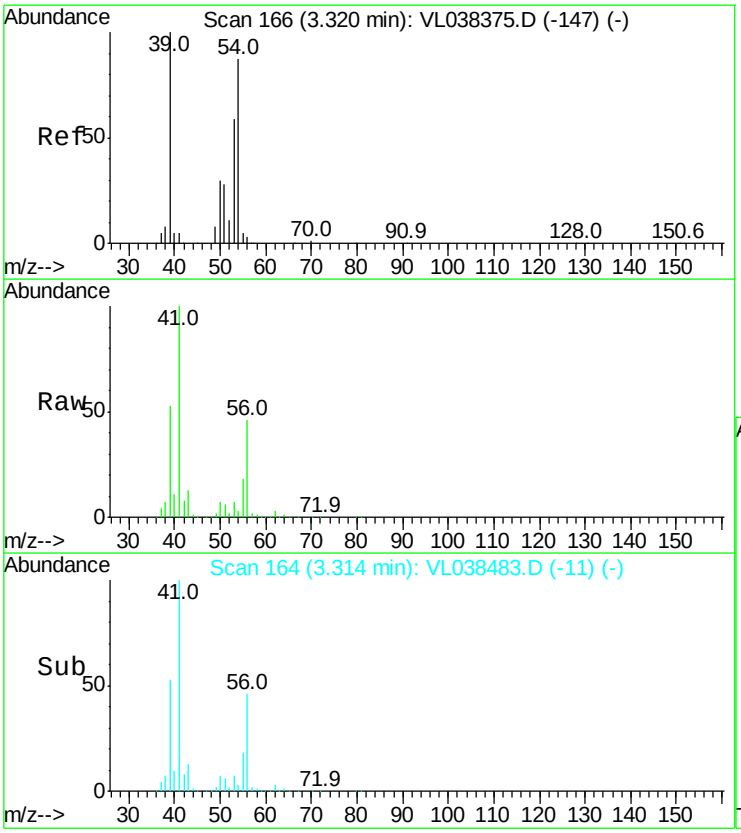
#15
Acetone
Concen: 25.87 ppbv
RT: 3.88
Delta R.T
Lab File:
Acq: 2 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 43 Resp: 2159747

Ion	Ratio	Lower	Upper
43	100		
58	14.1	21.7	32.5#

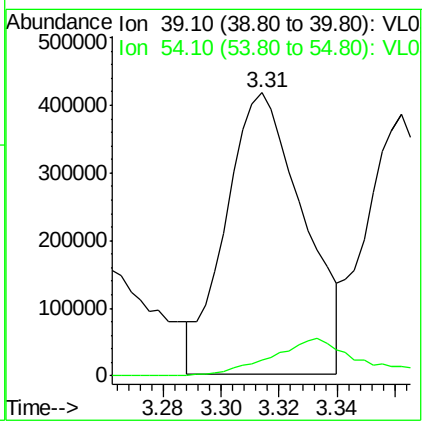


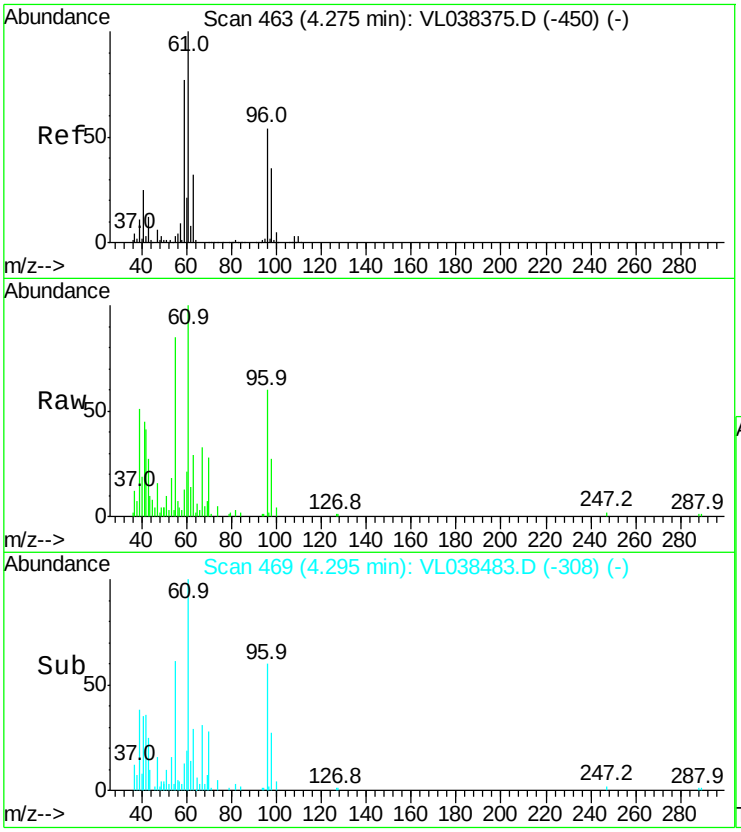


#16
1,3-Butadiene
Concen: 13.83 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.01 min
Lab File: VL038483.D
Acq: 2 Mar 2022 15:48

Tgt Ion: 39 Resp: 771324

Ion	Ratio	Lower	Upper
39	100		
54	15.8	60.3	90.5#



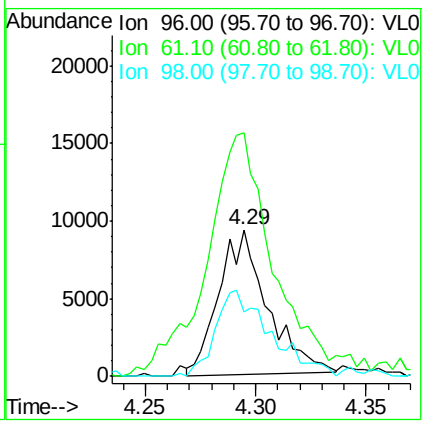


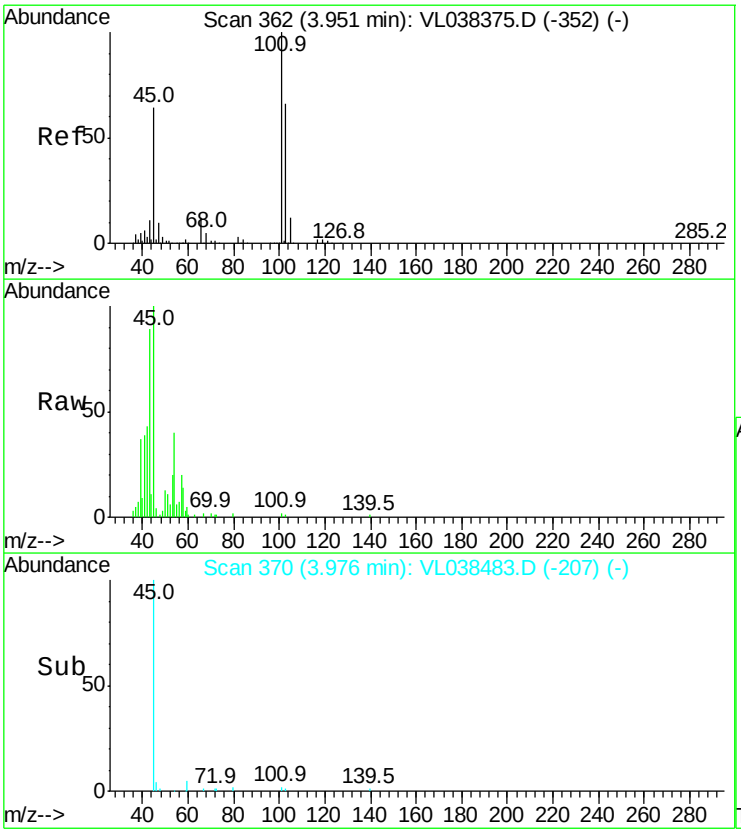
#18
1,1-Dichloroethene
Concen: 0.30 ppbv
RT: 4.29
Delta R.T
Lab File:
Acq: 2 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 96 Resp: 14265

Ion	Ratio	Lower	Upper
96	100		
61	158.7	146.8	220.2
98	46.0	51.5	77.3#

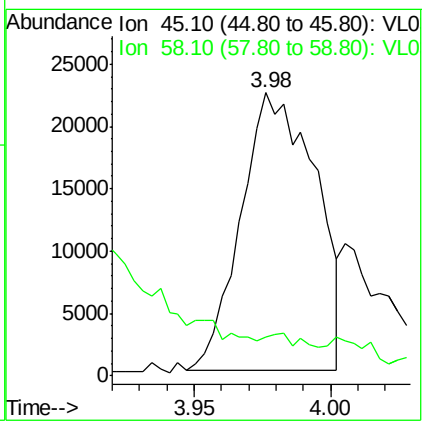


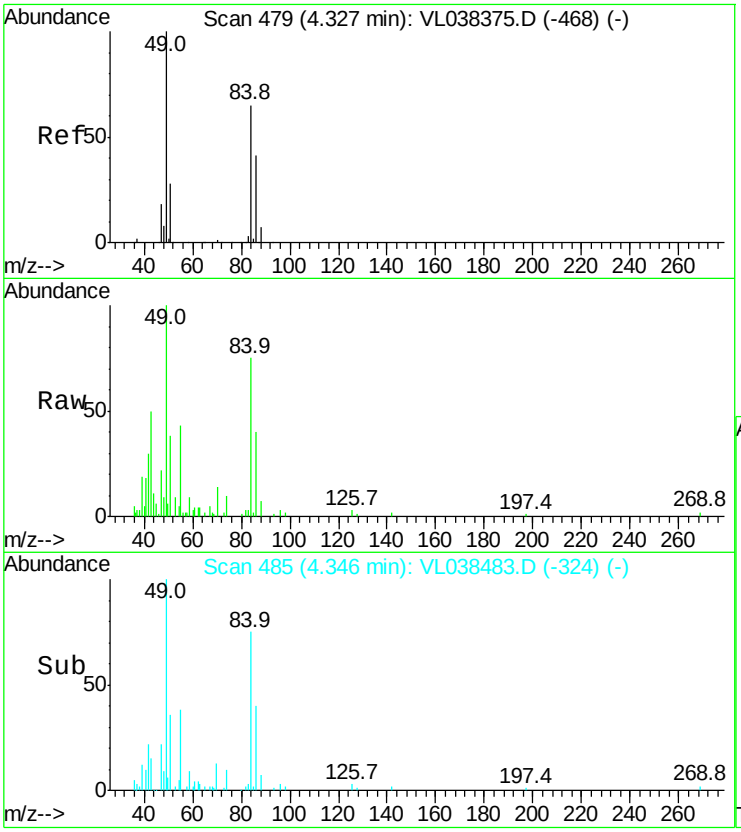


#19
Isopropyl Alcohol
Concen: 0.87 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.03 min
Lab File: VL038483.D
Acq: 2 Mar 2022 15:48

Tgt Ion: 45 Resp: 42273

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.8#



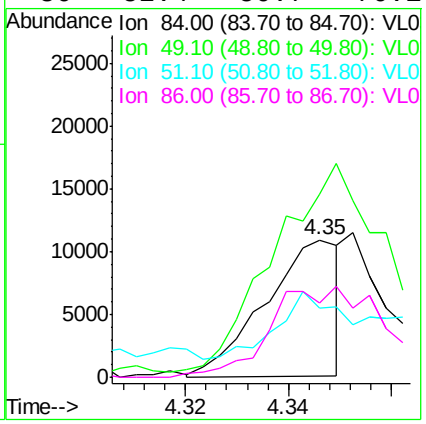


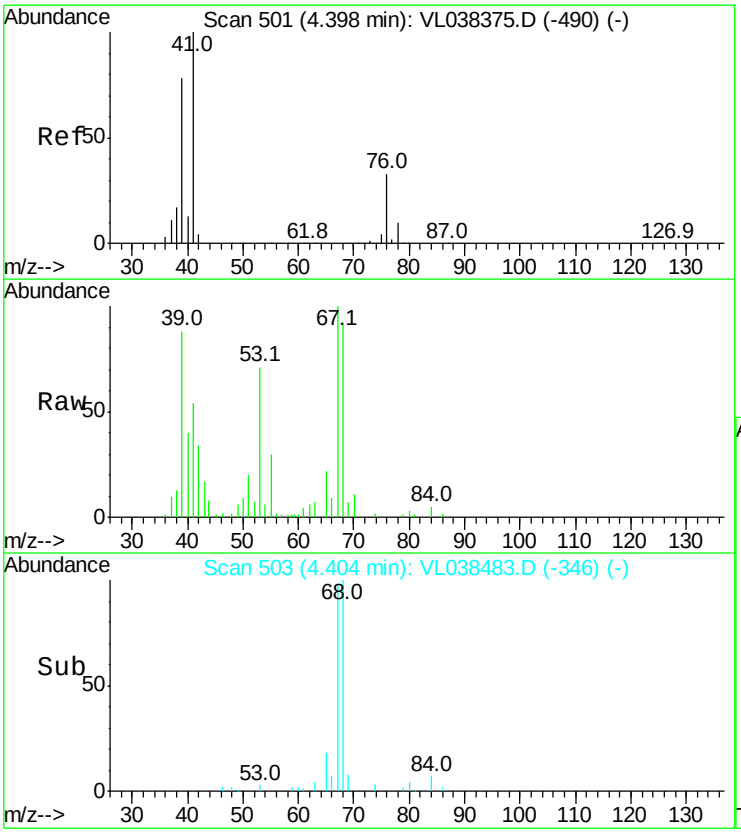
#20
Methylene Chloride
Concen: 0.26 ppbv
RT: 4.35
Delta R.T
Lab File:
Acq: 2 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 84 Resp: 10871

Ion	Ratio	Lower	Upper
84	100		
49	127.4	122.4	183.6
51	30.6	33.3	49.9#
86	52.4	50.7	76.1

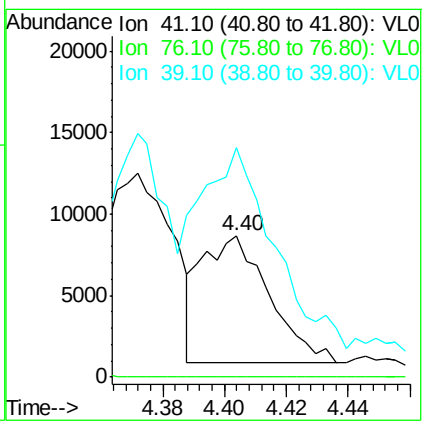


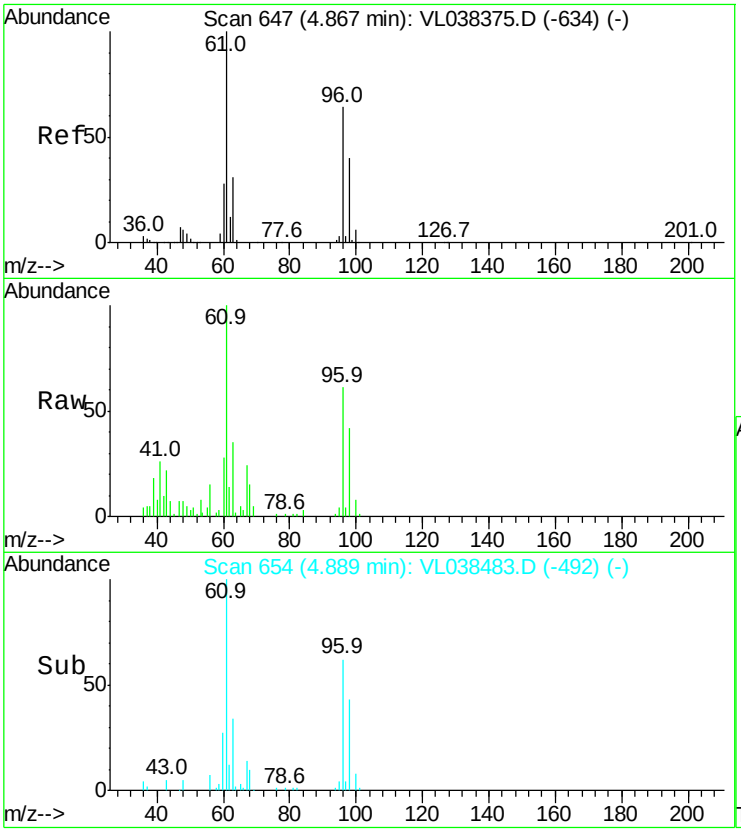


#21
Allyl Chloride
Concen: 0.17 ppbv
RT: 4.40 min Scan# 503
Delta R.T. 0.01 min
Lab File: VL038483.D
Acq: 2 Mar 2022 15:48

Tgt Ion: 41 Resp: 11862

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.4	38.0#
39	237.0	63.0	94.6#



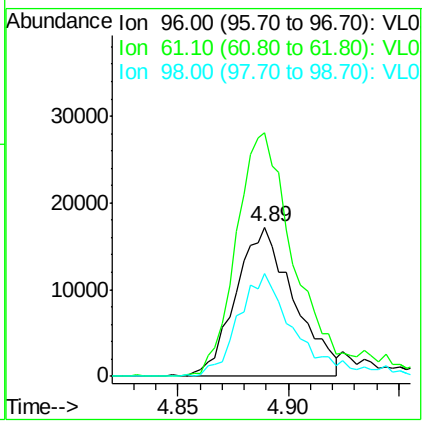


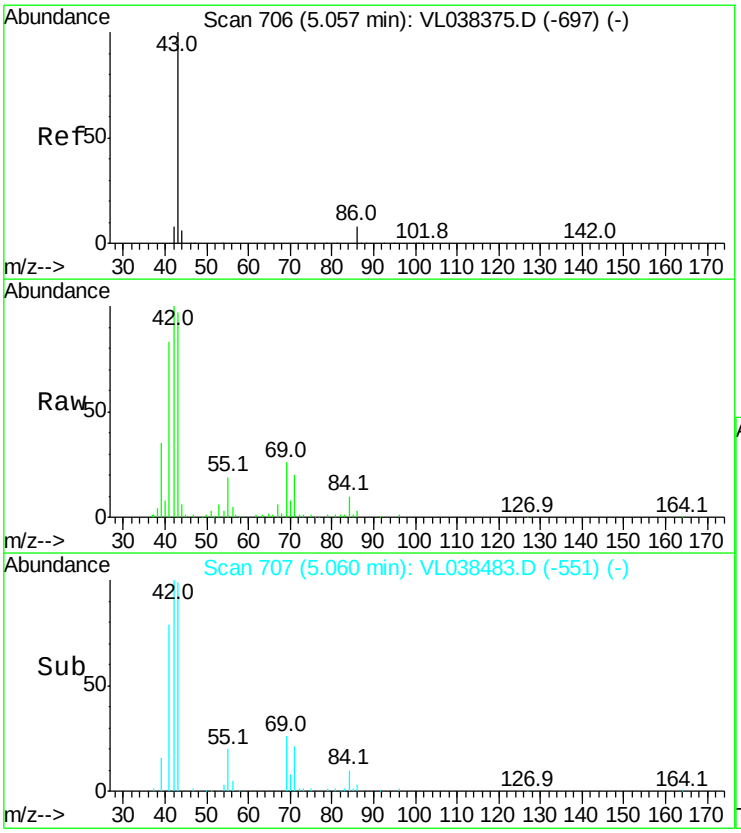
#22
trans-1,2-Dichloroethene
Concen: 0.65 ppbv
RT: 4.89
Delta R.T
Lab File:
Acq: 2 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 96 Resp: 31488

Ion	Ratio	Lower	Upper
96	100		
61	162.0	124.2	186.4
98	67.8	49.1	73.7

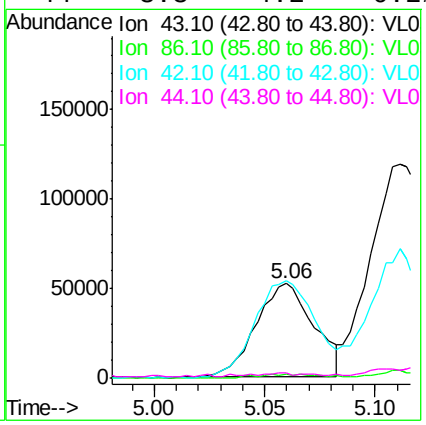


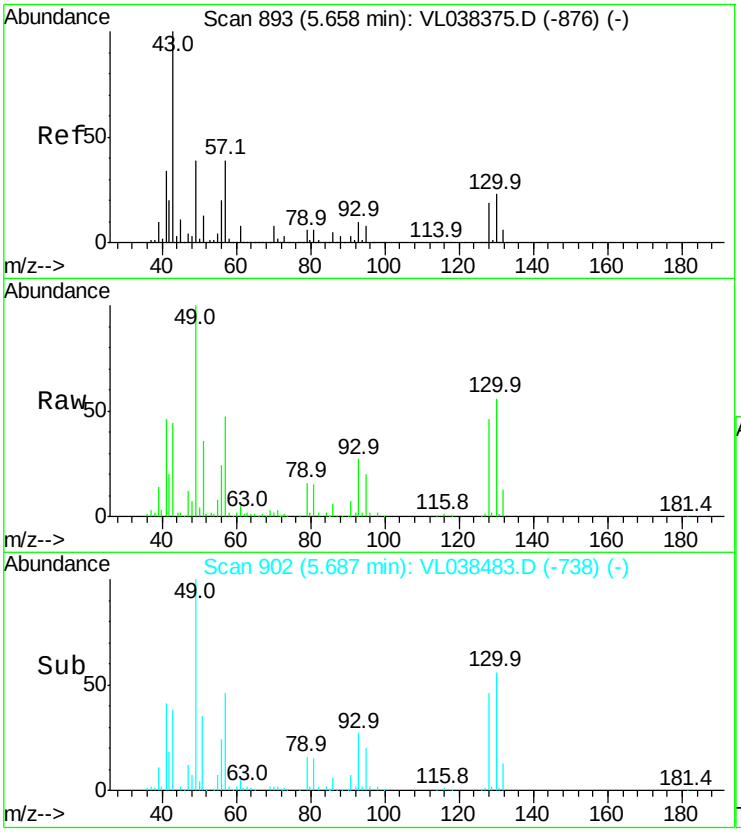


#23
Vinyl Acetate
Concen: 0.86 ppbv
RT: 5.06 min Scan# 707
Delta R.T. 0.00 min
Lab File: VL038483.D
Acq: 2 Mar 2022 15:48

Tgt Ion: 43 Resp: 95668

Ion	Ratio	Lower	Upper
43	100		
86	3.5	5.8	8.6#
42	103.4	7.4	11.0#
44	3.3	4.2	6.2#



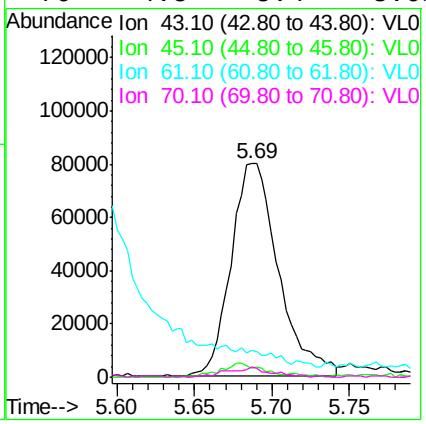


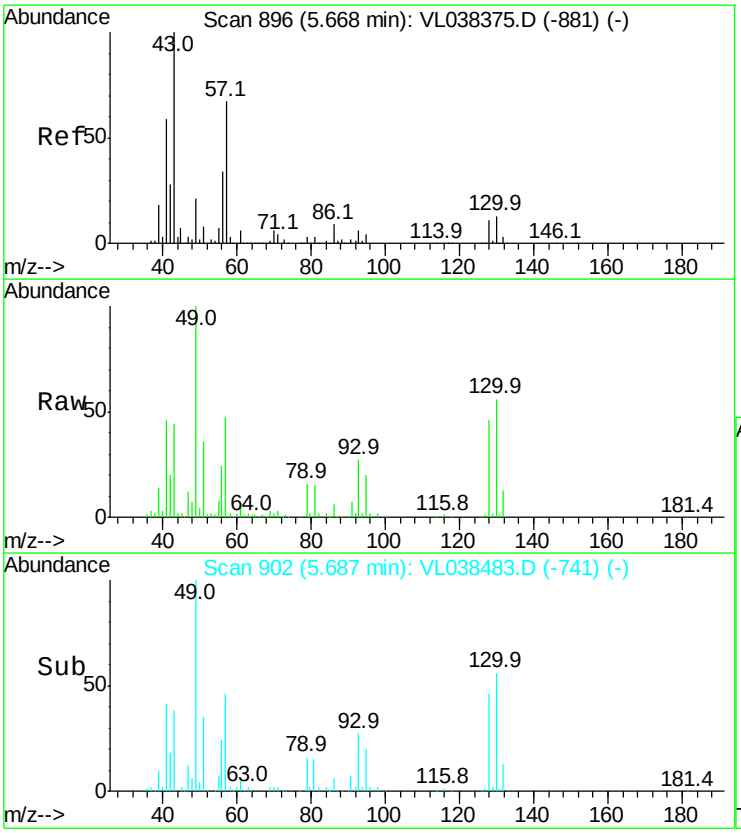
#25
Ethyl Acetate
Concen: 0.76 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 2 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 43 Resp: 169630

Ion	Ratio	Lower	Upper
43	100		
45	6.5	7.8	11.6#
61	0.0	7.5	11.3#
70	4.5	5.4	8.0#

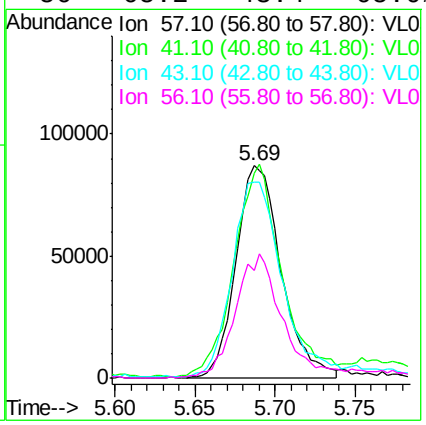


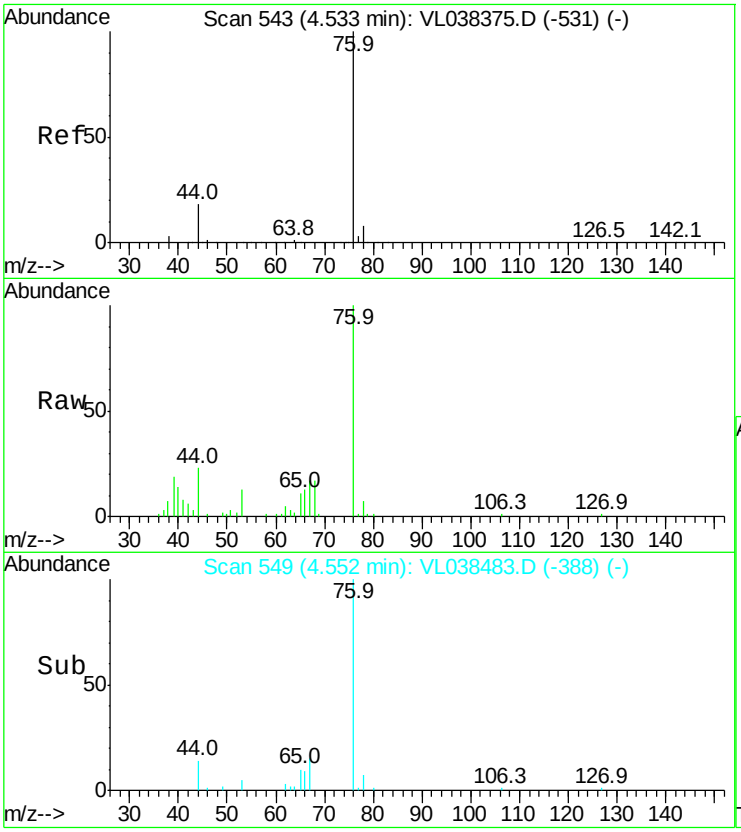


#26
Hexane
Concen: 1.66 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL038483.D
Acq: 2 Mar 2022 15:48

Tgt Ion: 57 Resp: 168656

Ion	Ratio	Lower	Upper
57	100		
41	105.5	73.1	109.7
43	107.1	181.0	271.4#
56	65.2	43.4	65.0#



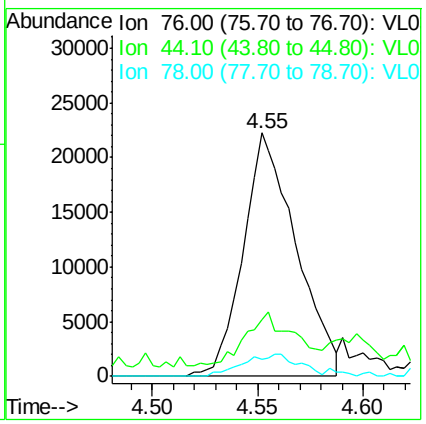


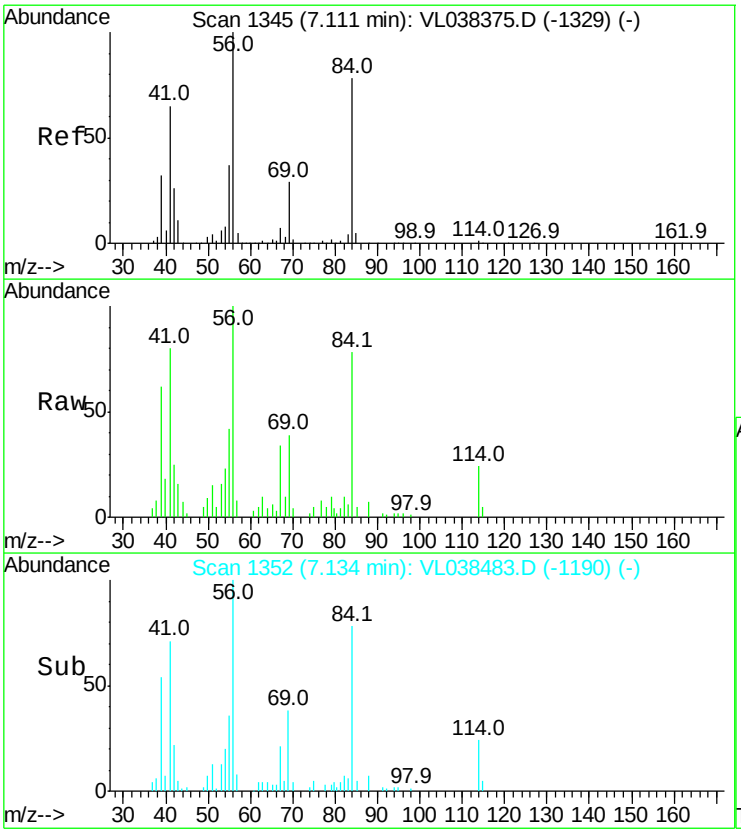
#27
Carbon Disulfide
Concen: 0.34 ppbv
RT: 4.55
Delta R.T
Lab File:
Acq: 2 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 76 Resp: 38614

Ion	Ratio	Lower	Upper
76	100		
44	22.3	14.2	21.2#
78	10.6	7.8	11.6

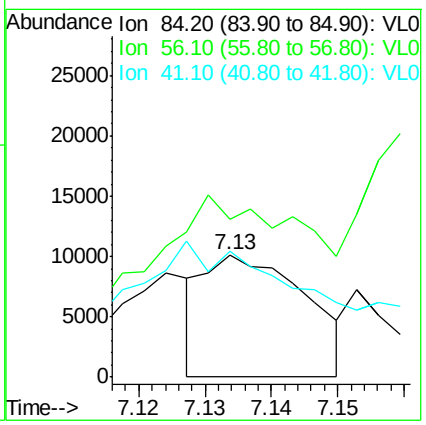


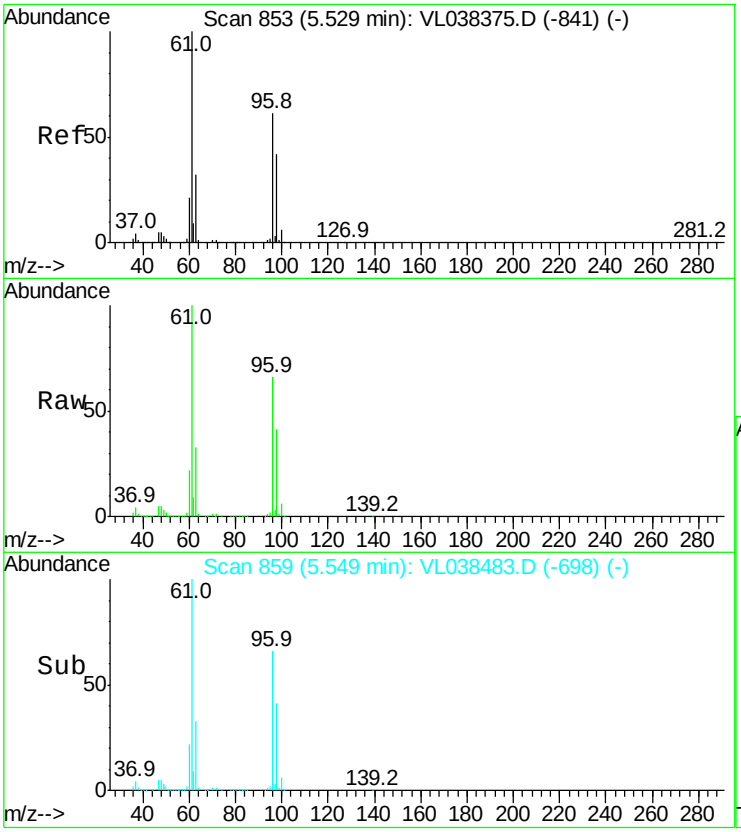


#30
Cyclohexane
Concen: 0.13 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.02 min
Lab File: VL038483.D
Acq: 2 Mar 2022 15:48

Tgt Ion: 84 Resp: 10748

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



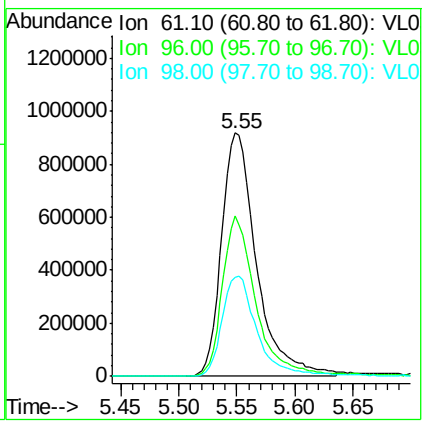


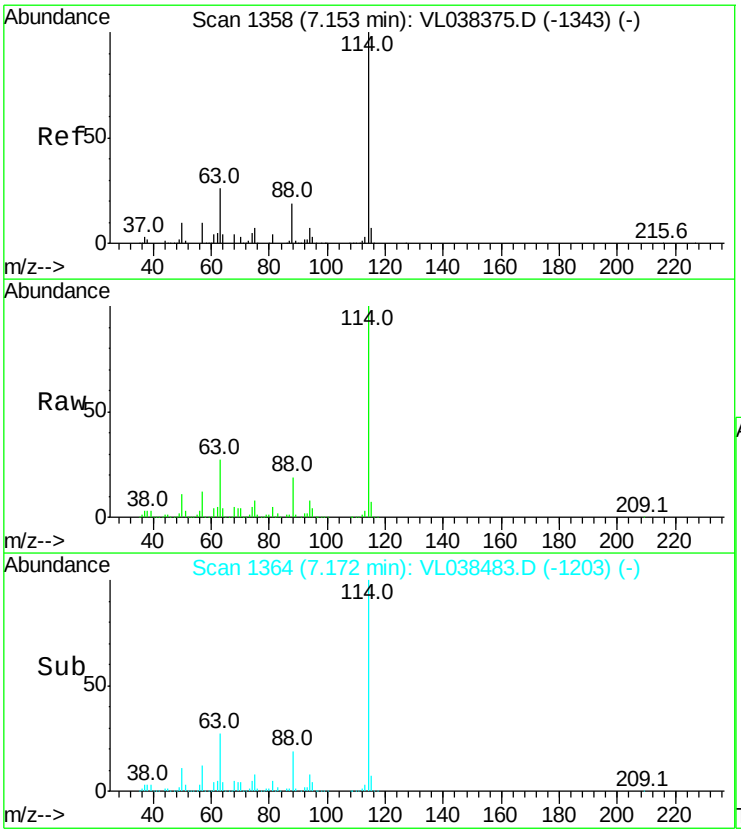
#31
cis-1,2-Dichloroethene
Concen: 19.50 ppbv
RT: 5.55
Delta R.T
Lab File:
Acq: 2 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 61 Resp: 1919190

Ion	Ratio	Lower	Upper
61	100		
96	65.7	48.6	73.0
98	40.8	33.2	49.8

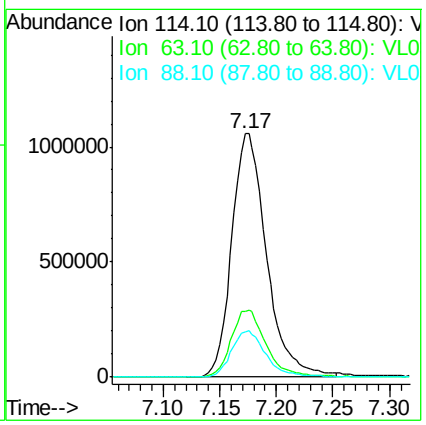


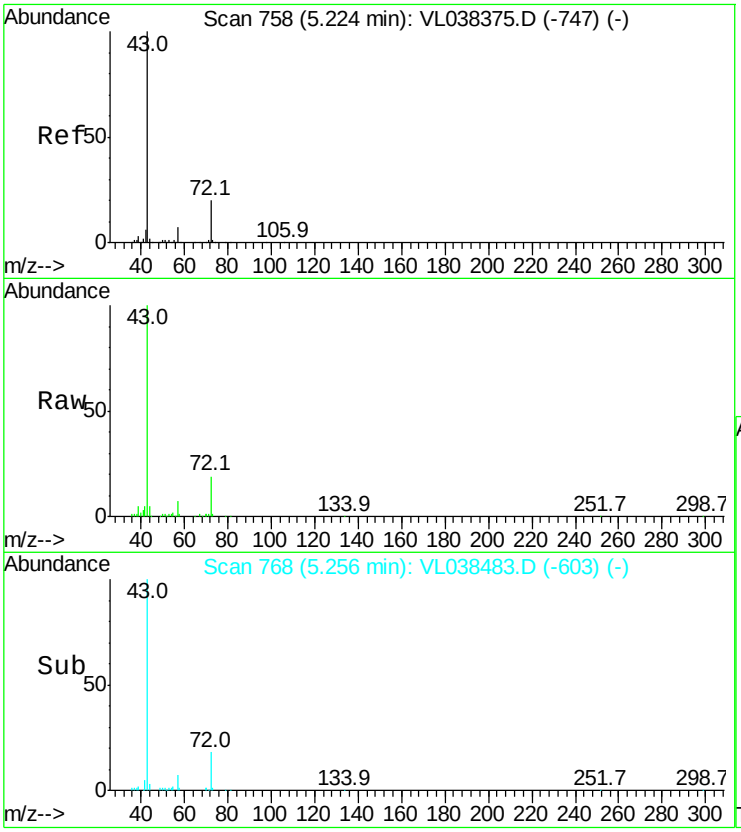


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.02 min
Lab File: VL038483.D
Acq: 2 Mar 2022 15:48

Tgt Ion:114 Resp: 2266940

Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.2	33.2
88	19.1	15.2	22.8



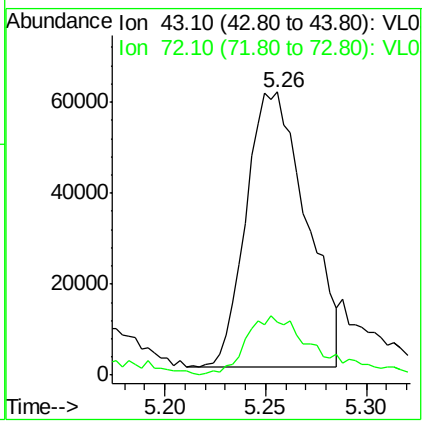


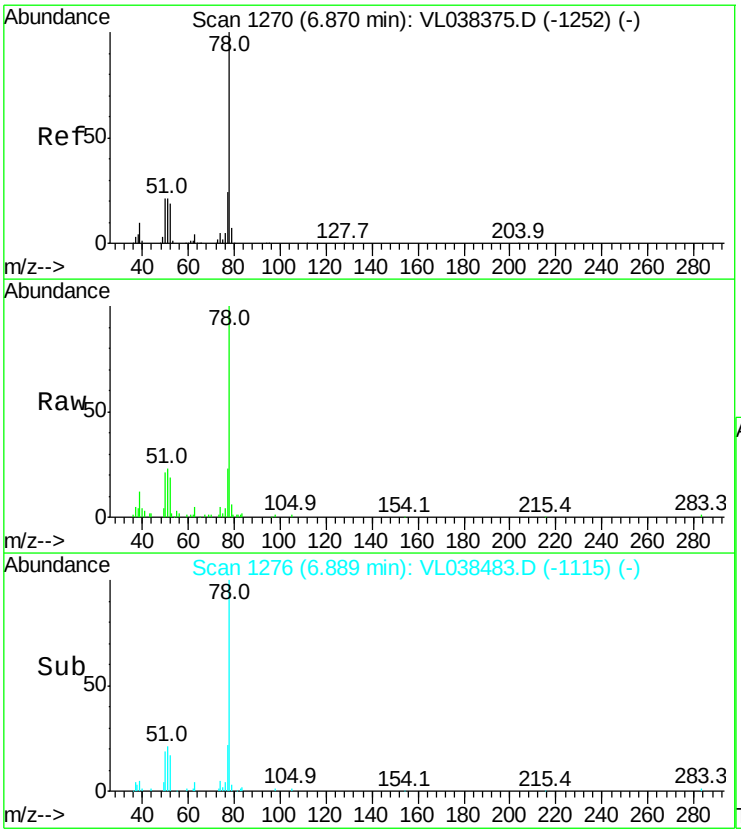
#34
2-Butanone
Concen: 1.75 ppbv
RT: 5.26
Delta R.T
Lab File:
Acq: 2 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 43 Resp: 125012

Ion	Ratio	Lower	Upper
43	100		
72	26.8	17.4	26.2#

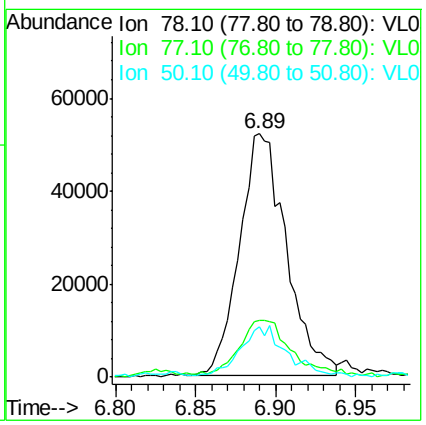


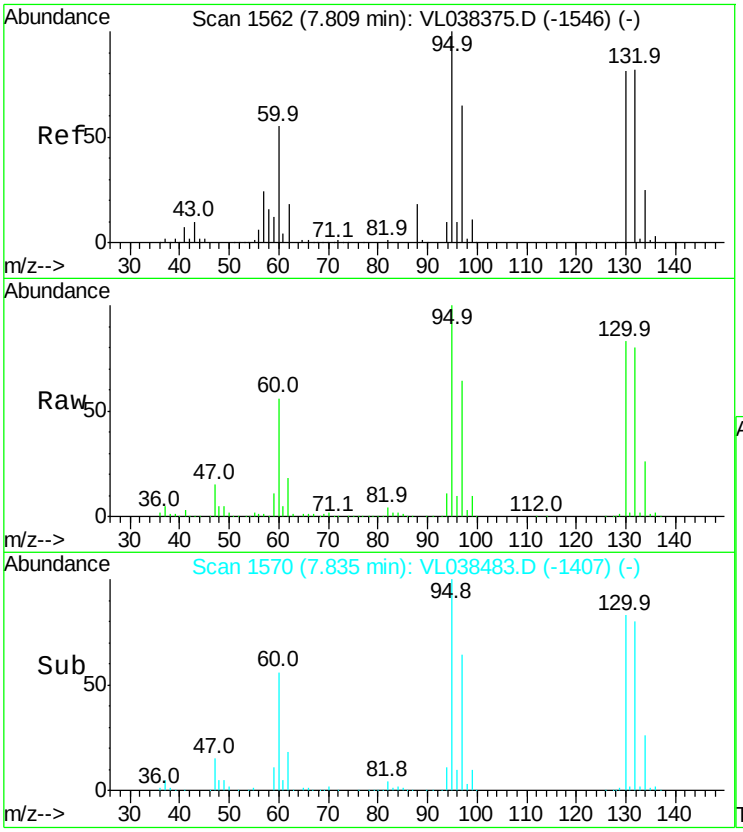


#36
Benzene
Concen: 0.53 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.02 min
Lab File: VL038483.D
Acq: 2 Mar 2022 15:48

Tgt Ion: 78 Resp: 105110

Ion	Ratio	Lower	Upper
78	100		
77	21.2	19.0	28.6
50	20.0	16.6	24.8



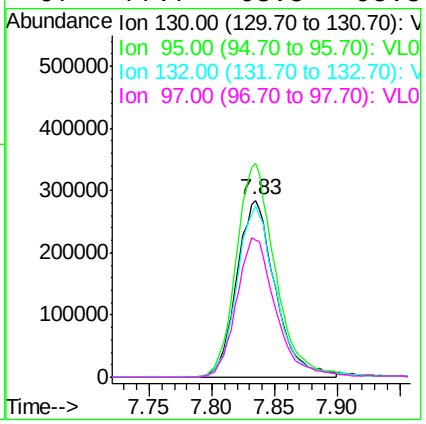


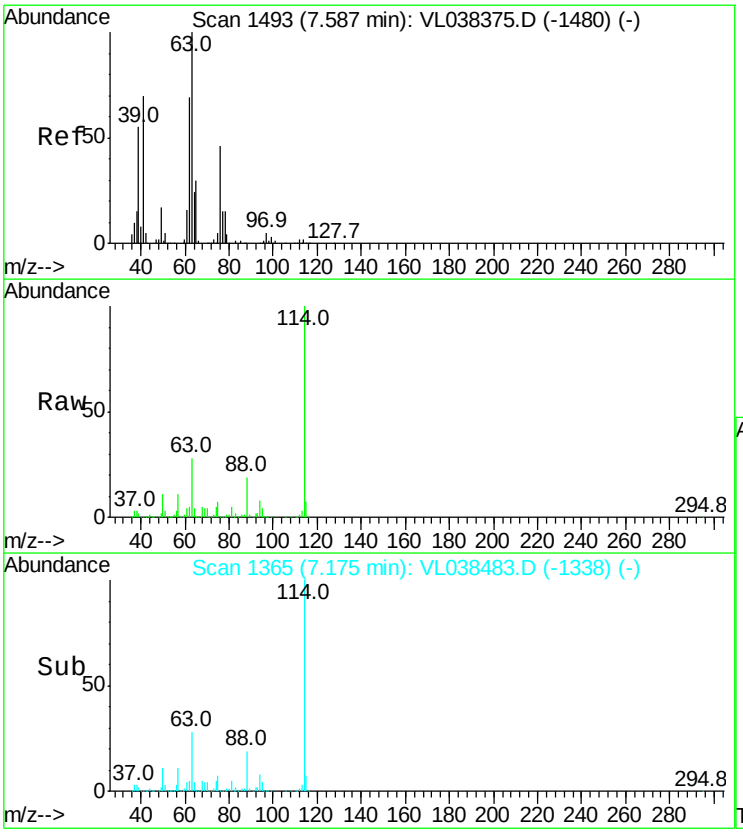
#38
Trichloroethene
Concen: 8.36 ppbv
RT: 7.83
Delta R.T
Lab File:
Acq: 2 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion:130 Resp: 607880

Ion	Ratio	Lower	Upper
130	100		
95	120.6	98.1	147.1
132	97.0	80.3	120.5
97	77.7	63.5	95.3

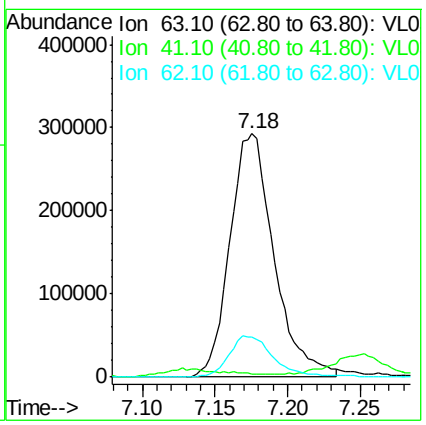


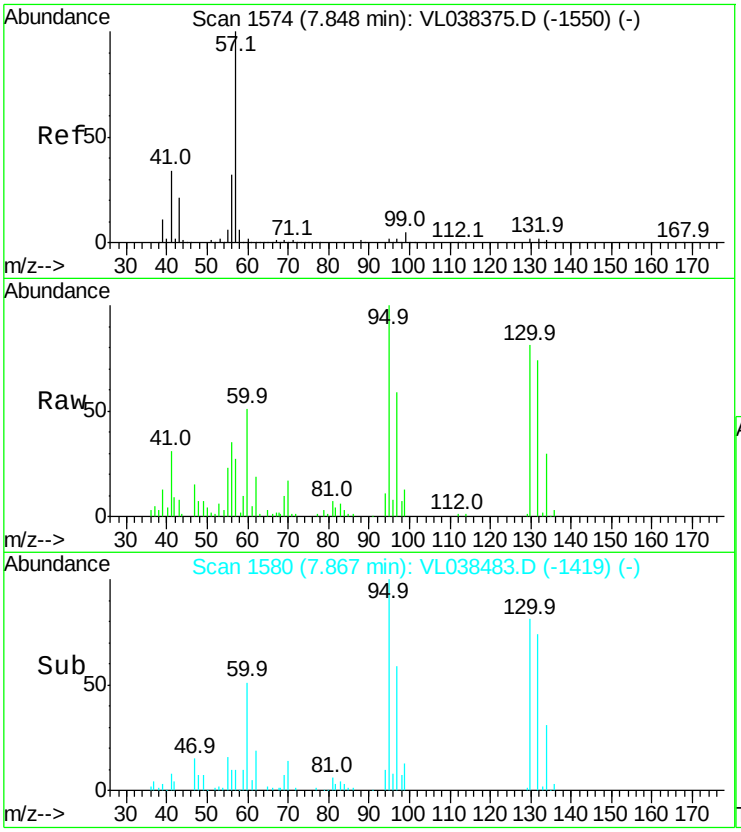


#39
1,2-Dichloropropane
Concen: 7.74 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.41 min
Lab File: VL038483.D
Acq: 2 Mar 2022 15:48

Tgt Ion: 63 Resp: 615599

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.1	84.1#
62	16.2	55.5	83.3#



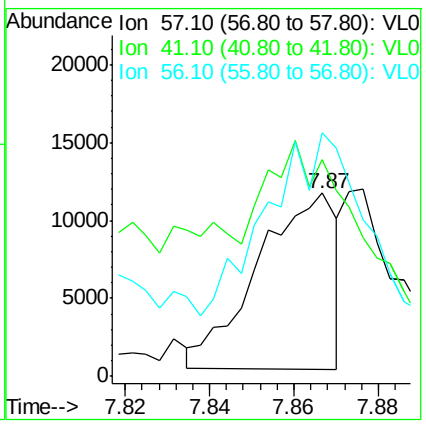


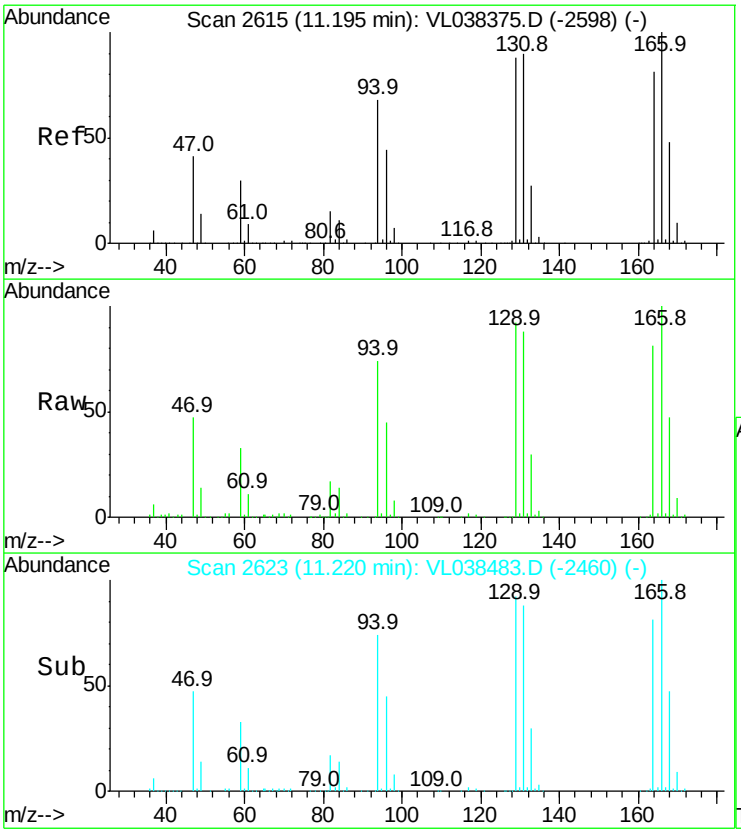
#44
2,2,4-Trimethylpentane
Concen: 0.04 ppbv
RT: 7.87
Delta R.T
Lab File:
Acq: 2 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 57 Resp: 14548

Ion	Ratio	Lower	Upper
57	100		
41	267.7	26.6	39.8#
56	224.7	25.0	37.6#

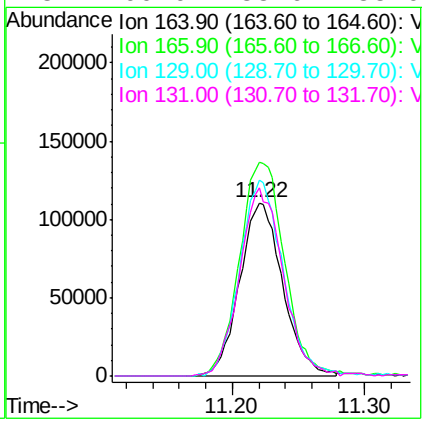


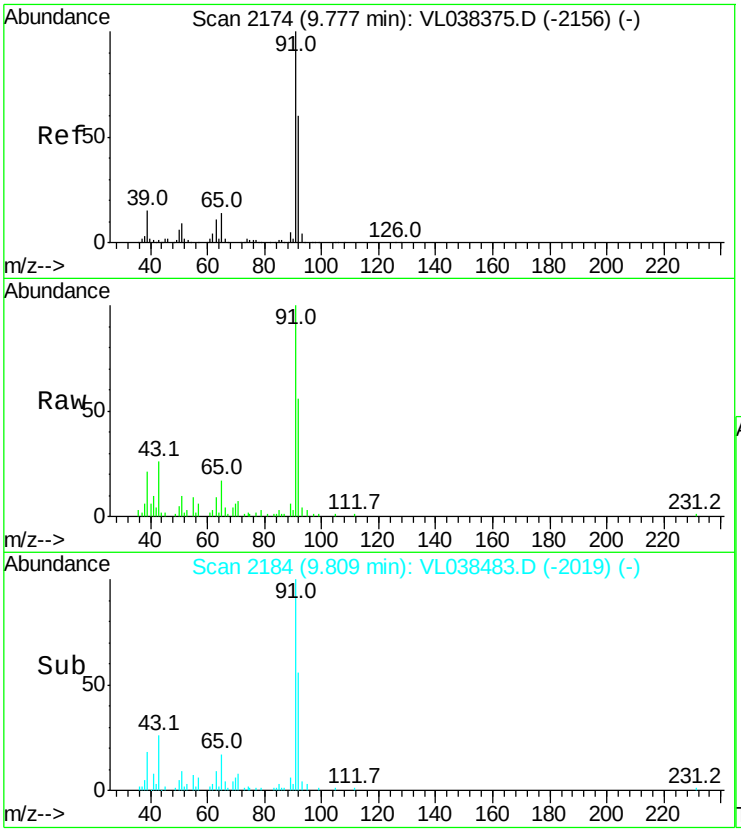


#52
Tetrachloroethene
Concen: 3.75 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.03 min
Lab File: VL038483.D
Acq: 2 Mar 2022 15:48

Tgt Ion:164 Resp: 248700

Ion	Ratio	Lower	Upper
164	100		
166	123.3	98.6	148.0
129	112.7	86.9	130.3
131	109.0	88.6	133.0



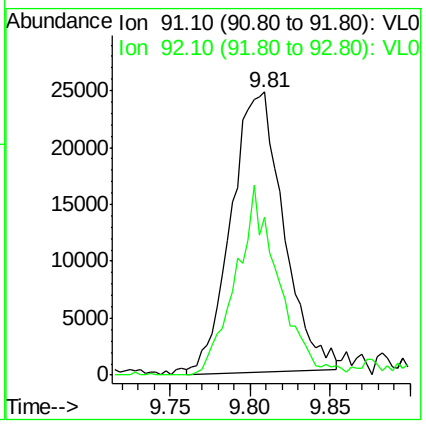


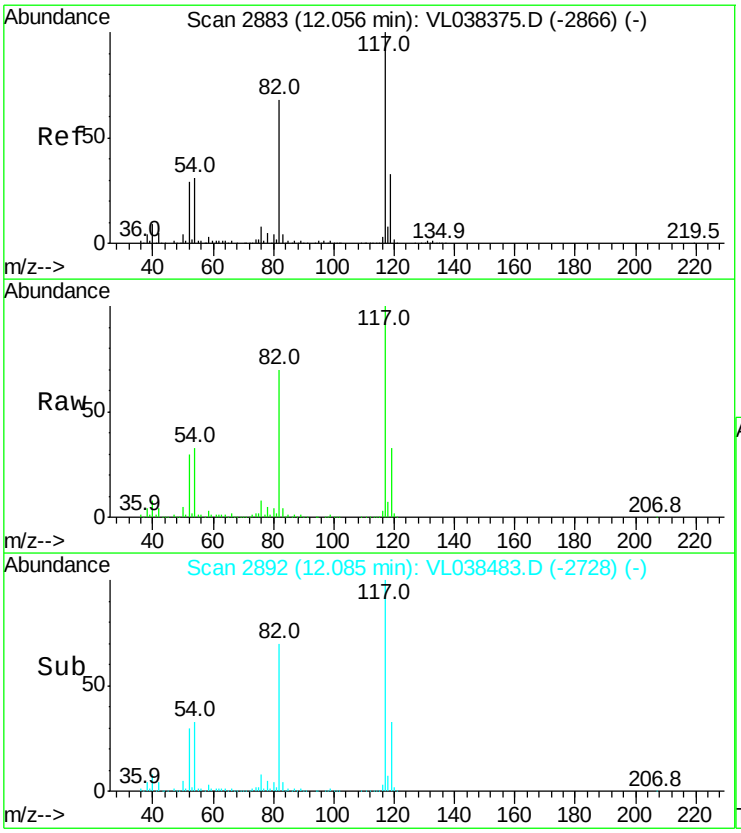
#53
Toluene
Concen: 0.26 ppbv
RT: 9.81
Delta R.T
Lab File:
Acq: 2 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 91 Resp: 55310

Ion	Ratio	Lower	Upper
91	100		
92	54.7	48.2	72.4

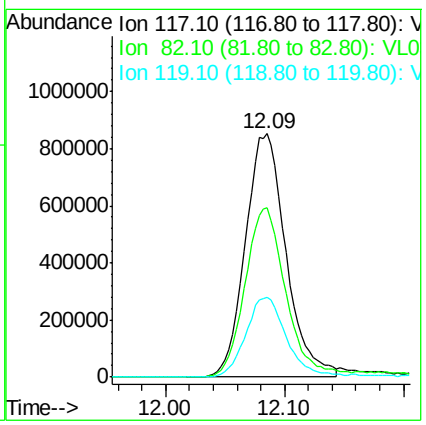


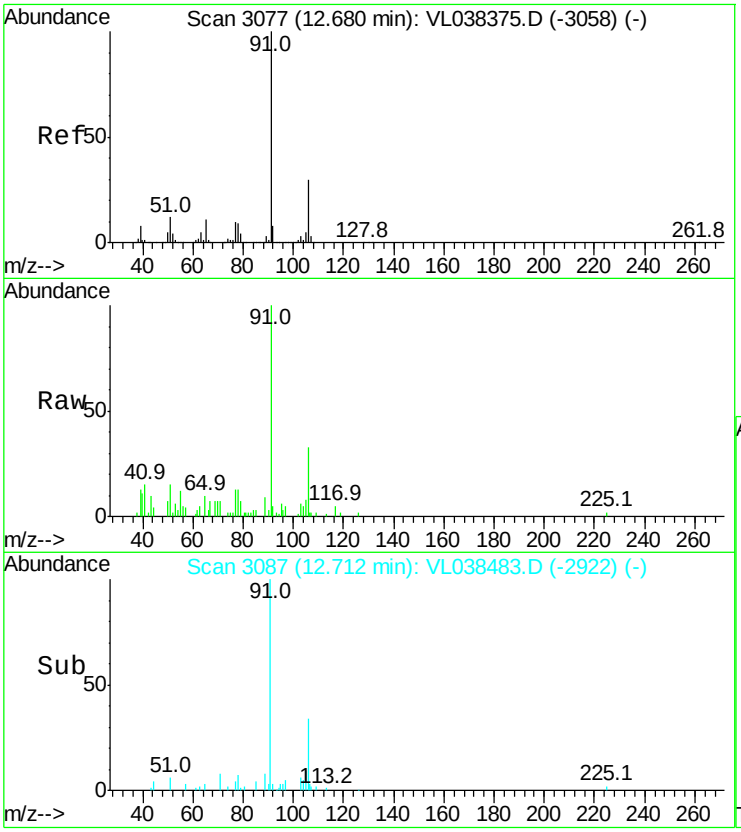


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. 0.03 min
Lab File: VL038483.D
Acq: 2 Mar 2022 15:48

Tgt Ion:117 Resp: 2015197

Ion	Ratio	Lower	Upper
117	100		
82	74.0	54.9	82.3
119	33.6	46.1	69.1#



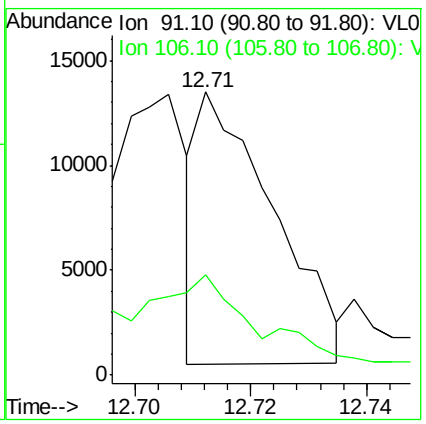


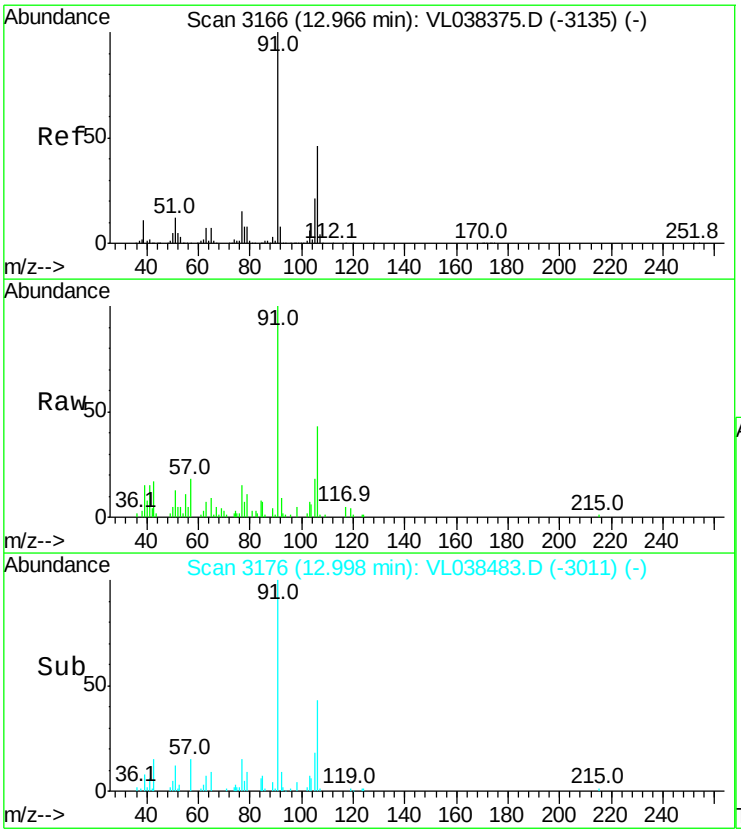
#58
Ethyl Benzene
Concen: 0.04 ppbv
RT: 12.71
Delta R.T
Lab File:
Acq: 2 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 91 Resp: 11773

Ion	Ratio	Lower	Upper
91	100		
106	35.1	24.0	36.0

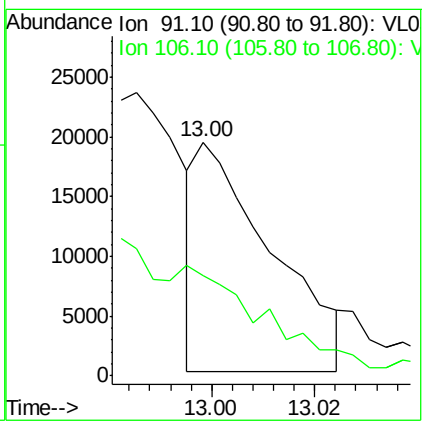


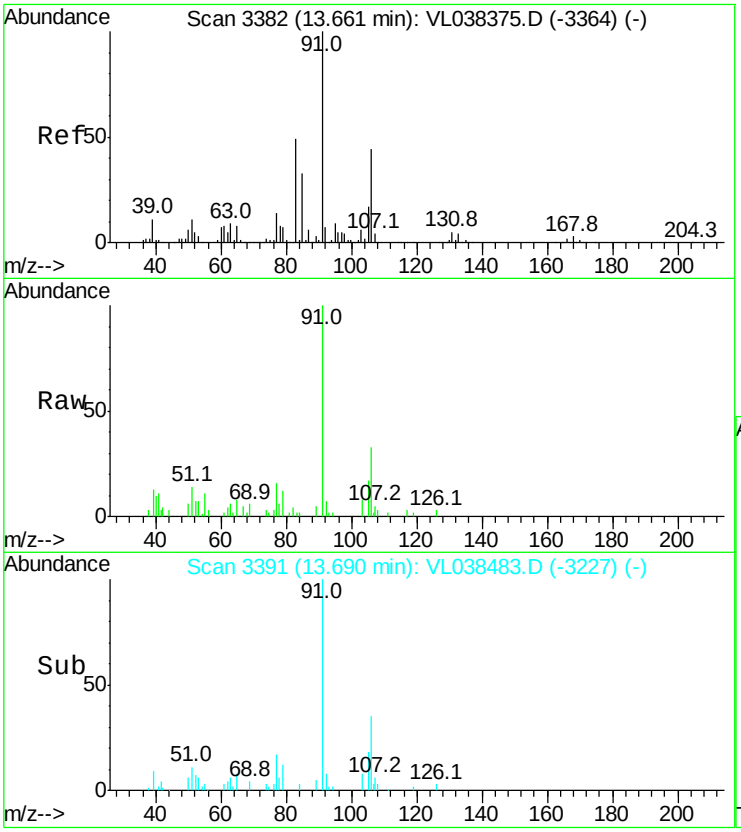


#59
m/p-Xylene
Concen: 0.08 ppbv
RT: 13.00 min Scan# 3176
Delta R.T. 0.03 min
Lab File: VL038483.D
Acq: 2 Mar 2022 15:48

Tgt Ion: 91 Resp: 19399

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.4	51.6#



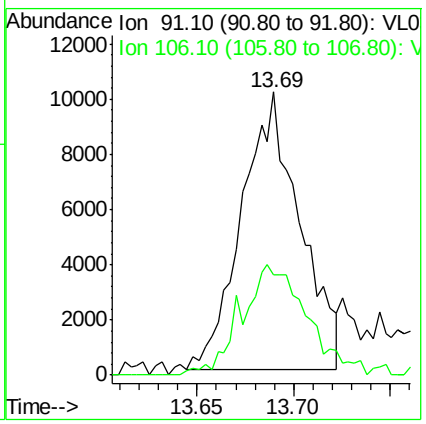


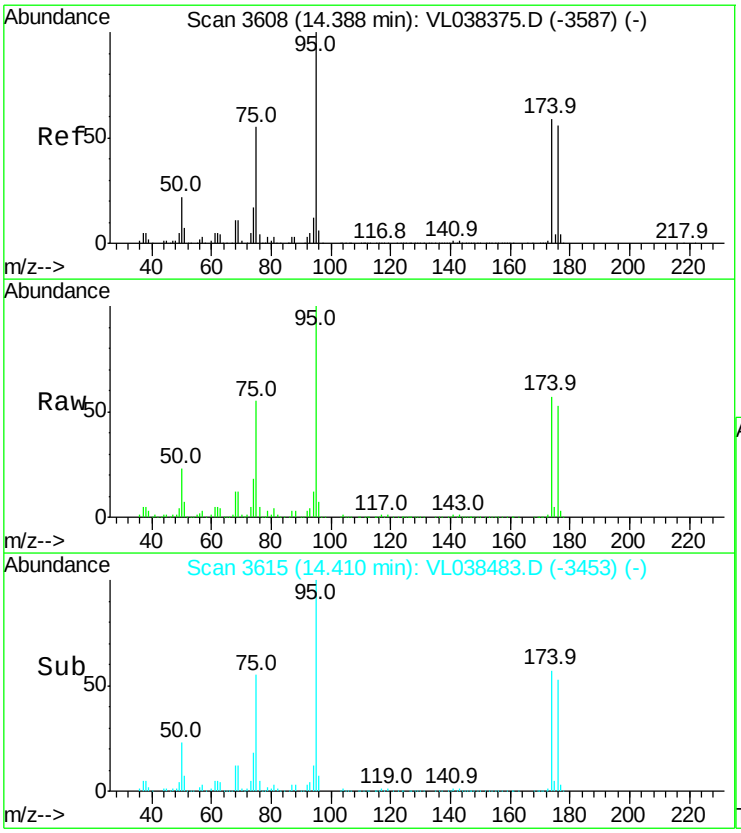
#60
o-Xylene
Concen: 0.09 ppbv
RT: 13.69
Delta R.T
Lab File:
Acq: 2 Mar 2022 15:48

Instrument :
MSVOA_L
ClientSampleId :
SV-02

Tgt Ion: 91 Resp: 21001

Ion	Ratio	Lower	Upper
91	100		
106	45.8	21.9	65.5





#68
1-Bromo-4-Fluorobenzene
Concen: 10.14 ppbv
RT: 14.41 min Scan# 3615
Delta R.T. 0.02 min
Lab File: VL038483.D
Acq: 2 Mar 2022 15:48

Tgt Ion: 95 Resp: 1691313

Ion	Ratio	Lower	Upper
95	100		
174	60.3	49.0	73.4
175	4.2	3.6	5.4