Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021522\
Data File : VX027027.D
Acq On : 15 Feb 2022 11:52
Operator : JC/MD
Sample : N1486-01DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
X3941DL

Quant Time: Feb 16 01:35:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM021422WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 16 01:34:21 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	131677	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	124586	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	61597	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	46446	39.738	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 79.480%			
7) Chloroethane-d5	1.673	69	30350	40.469	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 80.940%			
11) 1,1-Dichloroethene-d2	2.313	63	74176	33.098	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 66.200%			
21) 2-Butanone-d5	4.452	46	75578	93.090	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 93.090%			
24) Chloroform-d	5.056	84	95277	43.408	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 86.820%			
26) 1,2-Dichloroethane-d4	5.958	65	63472	44.619	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.240%			
32) Benzene-d6	5.977	84	196748	43.838	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 87.680%			
36) 1,2-Dichloropropane-d6	7.306	67	60205	45.160	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 90.320%			
41) Toluene-d8	8.647	98	179280	43.659	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 87.320%			
43) trans-1,3-Dichloroprop...	8.952	79	24988	41.109	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 82.220%			
47) 2-Hexanone-d5	9.385	63	52828	91.658	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 91.660%			
56) 1,1,2,2-Tetrachloroeth...	11.189	84	72029	45.717	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 91.440%			
66) 1,2-Dichlorobenzene-d4	12.323	152	65598	46.883	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	4747	3.359	ug/L	98
3) Chloromethane	1.295	50	10083	9.065	ug/L	99
6) Bromomethane	1.618	94	2792	5.869	ug/L	100
9) Trichlorofluoromethane	1.892	101	10003	6.430	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.337	101	9901	9.872	ug/L	98
13) Acetone	2.380	43	52336	76.597	ug/L	100
15) Methyl Acetate	2.703	43	27000	25.580	ug/L	99
16) Methylene chloride	2.794	84	5747	5.695	ug/L	97
18) Methyl tert-butyl Ether	3.111	73	76838	25.684	ug/L	99
27) 1,2-Dichloroethane	6.086	62	27217	18.918	ug/L	98
29) Cyclohexane	5.471	56	8411	4.924	ug/L	97
34) Trichloroethene	7.123	95	10564	9.174	ug/L	99
35) Methylcyclohexane	7.379	83	25760	14.803	ug/L	98
40) 4-Methyl-2-pentanone	8.574	43	48569	33.748	ug/L	99
42) Toluene	8.720	91	67857	15.700	ug/L	98
46) Tetrachloroethene	9.275	164	4268	5.006	ug/L	91
48) 2-Hexanone	9.433	43	28275	24.267	ug/L	99
51) Chlorobenzene	10.080	112	17396	6.285	ug/L	99
52) Ethylbenzene	10.195	91	35269	7.586	ug/L	100

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021522\
Data File : VX027027.D
Acq On : 15 Feb 2022 11:52
Operator : JC/MD
Sample : N1486-01DL 4X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
X3941DL

Quant Time: Feb 16 01:35:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM021422WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 16 01:34:21 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	10.299	106	38118	20.796	ug/L	98
54) o-Xylene	10.640	106	18338	10.459	ug/L	97
55) Styrene	10.653	104	44854	15.106	ug/L	100
60) Isopropylbenzene	10.964	105	59147	13.290	ug/L	100
65) 1,4-Dichlorobenzene	12.043	146	10527	5.284	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	10248	5.354	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	5579	4.645	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	17343	14.441	ug/L	99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021522\
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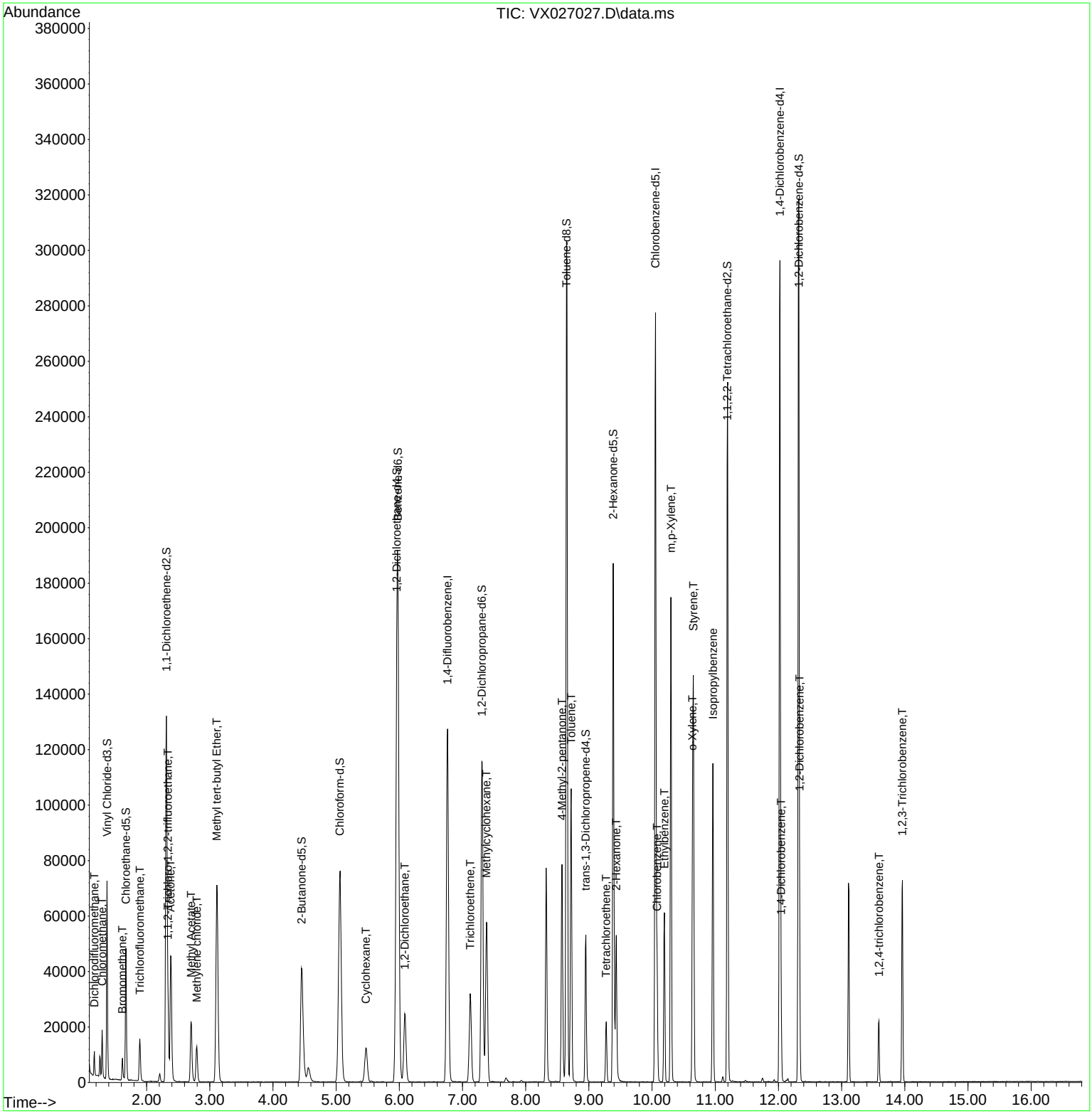
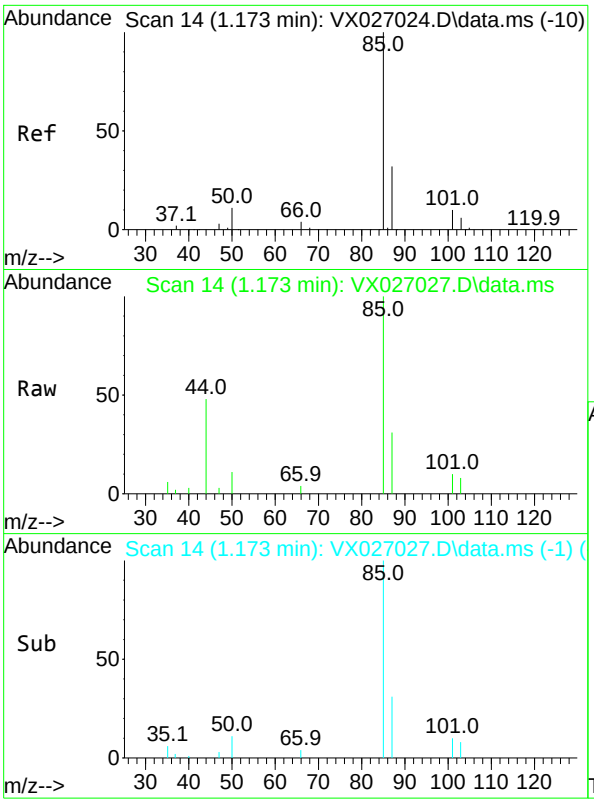
ClientSampleId :
X3941DL

Quant Time: Feb 16 01:35:16 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM021422WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 16 01:34:21 2022
Response via : Initial Calibration



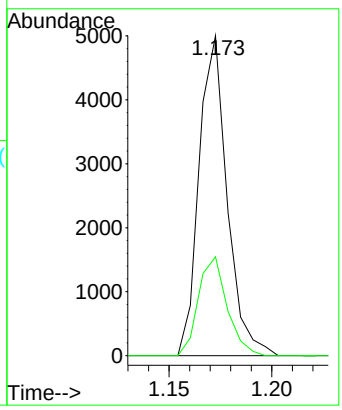


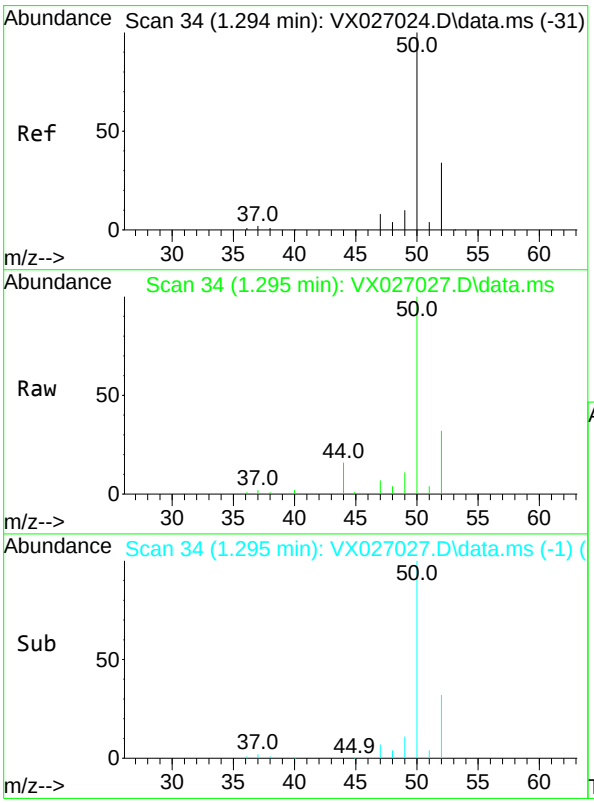
#2
Dichlorodifluoromethane
Concen: 3.359 ug/L
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Instrument :
MSVOA_X
ClientSampleId :
X3941DL

Tgt Ion: 85 Resp: 4747

Ion	Ratio	Lower	Upper
85	100		
87	31.6	25.9	38.9

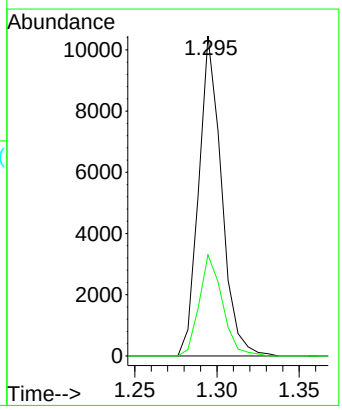


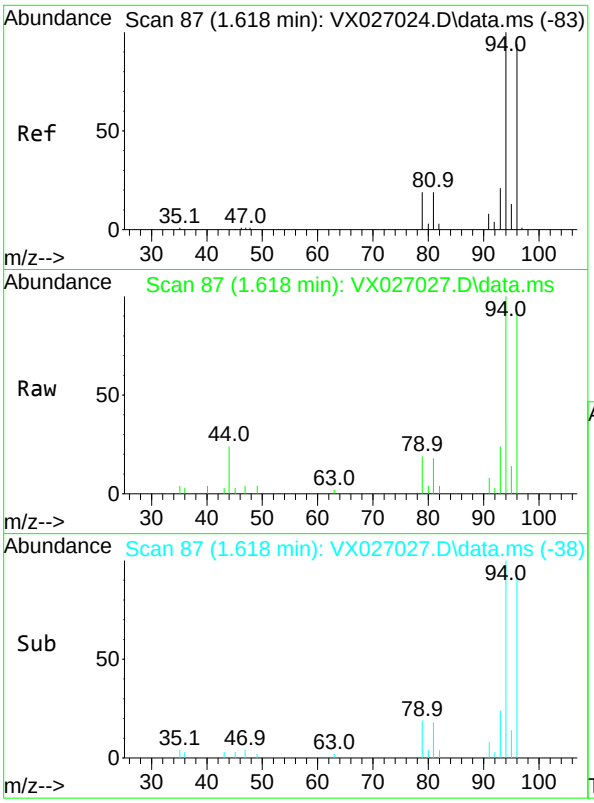


#3
Chloromethane
Concen: 9.065 ug/L
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Tgt Ion: 50 Resp: 10083

Ion	Ratio	Lower	Upper
50	100		
52	31.6	22.5	41.7



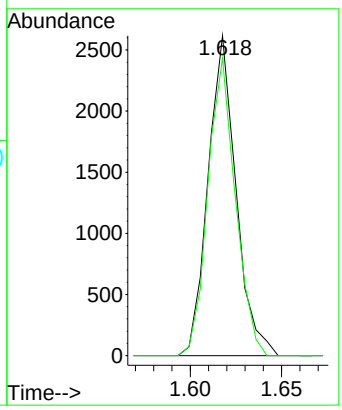


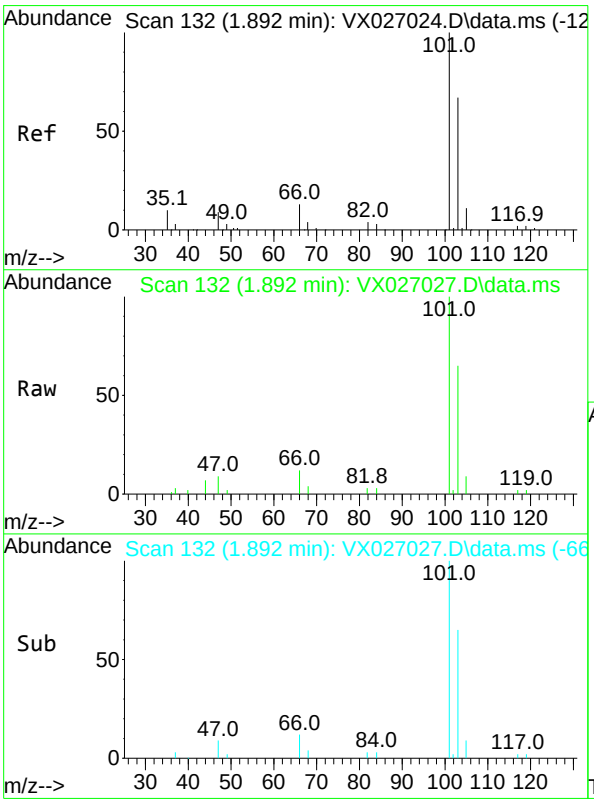
#6
Bromomethane
Concen: 5.869 ug/L
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Instrument :
MSVOA_X
ClientSampleId :
X3941DL

Tgt Ion: 94 Resp: 2792

Ion	Ratio	Lower	Upper
94	100		
96	93.0	64.9	120.5

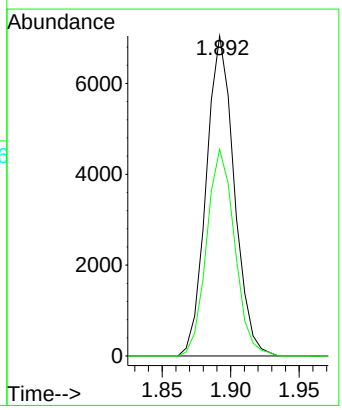


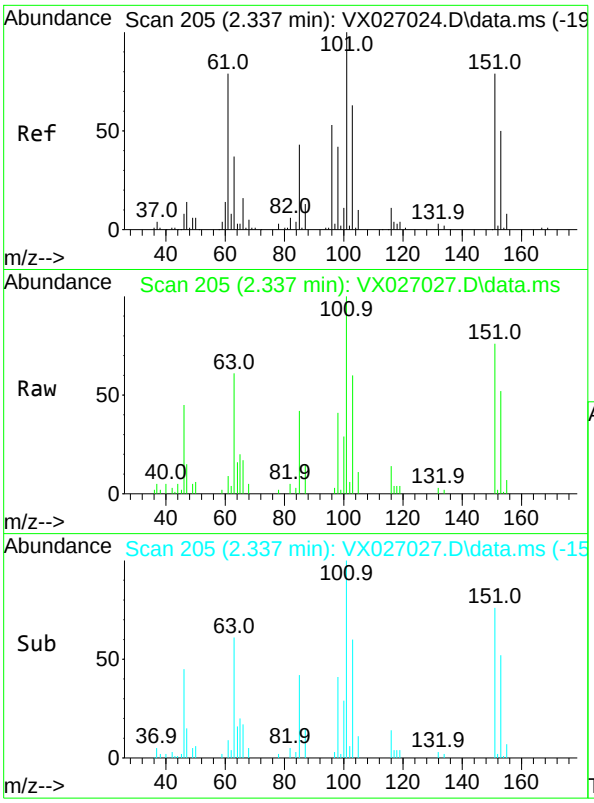


#9
Trichlorofluoromethane
Concen: 6.430 ug/L
RT: 1.892 min Scan# 132
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Tgt Ion:101 Resp: 10003

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.8	77.8



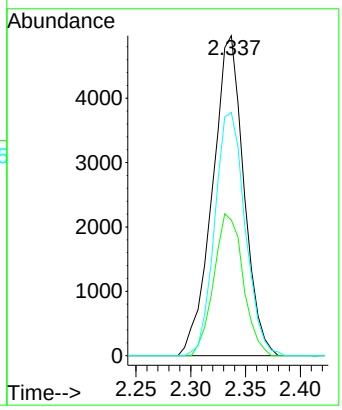


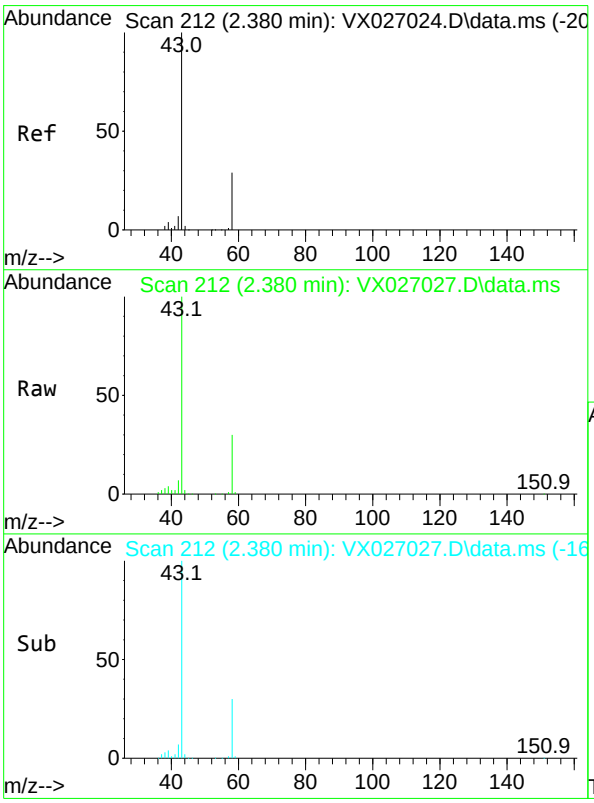
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 9.872 ug/L
RT: 2.337 min Scan# 2(
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Instrument :
MSVOA_X
ClientSampleId :
X3941DL

Tgt Ion:101 Resp: 9901

Ion	Ratio	Lower	Upper
101	100		
85	41.3	33.9	50.9
151	73.6	60.7	91.1

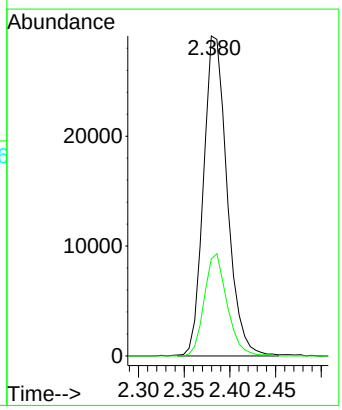


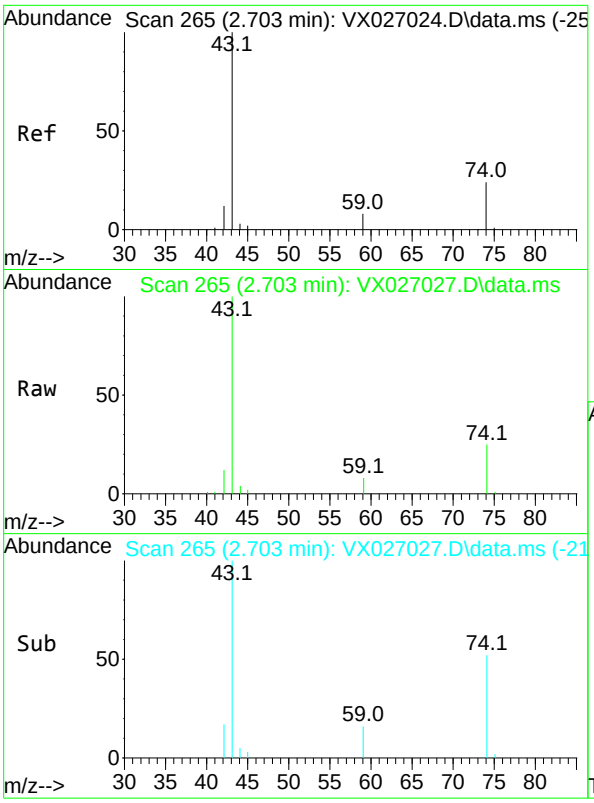


#13
Acetone
Concen: 76.597 ug/L
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Tgt Ion: 43 Resp: 52336

Ion	Ratio	Lower	Upper
43	100		
58	30.7	0.0	61.4



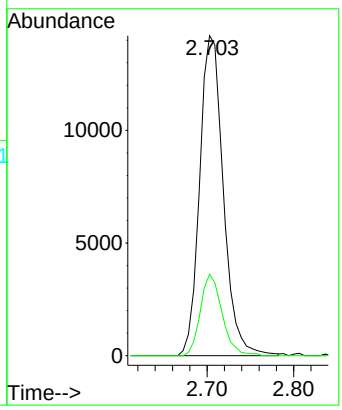


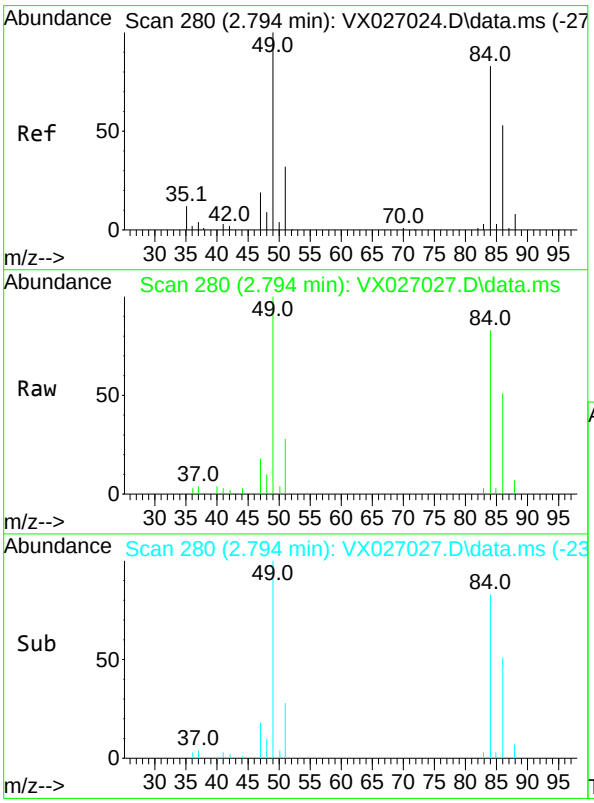
#15
Methyl Acetate
Concen: 25.580 ug/L
RT: 2.703 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Instrument :
MSVOA_X
ClientSampleId :
X3941DL

Tgt Ion: 43 Resp: 27000

Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.2	27.4

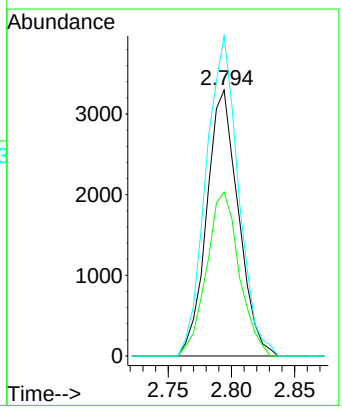


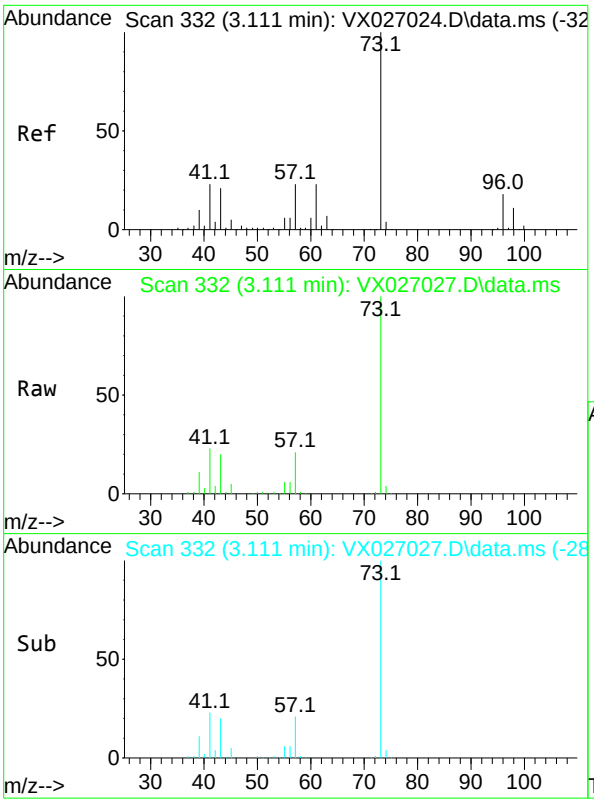


#16
Methylene chloride
Concen: 5.695 ug/L
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Tgt Ion: 84 Resp: 5747

Ion	Ratio	Lower	Upper
84	100		
86	61.6	44.8	83.2
49	120.4	87.0	161.6



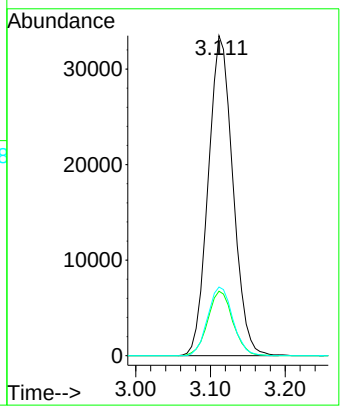


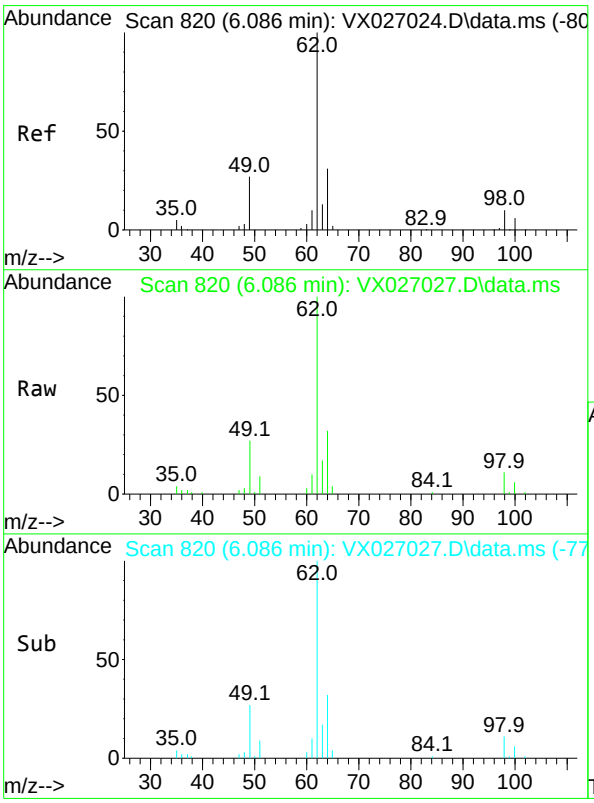
#18
Methyl tert-butyl Ether
Concen: 25.684 ug/L
RT: 3.111 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Instrument :
MSVOA_X
ClientSampleId :
X3941DL

Tgt Ion: 73 Resp: 76838

Ion	Ratio	Lower	Upper
73	100		
43	20.5	16.2	24.4
57	21.7	17.1	25.7

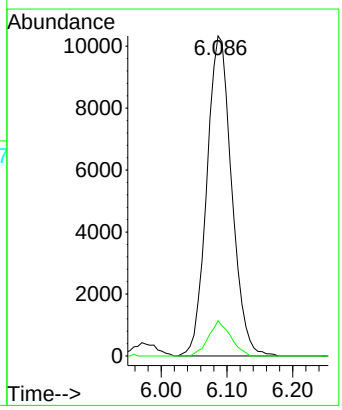


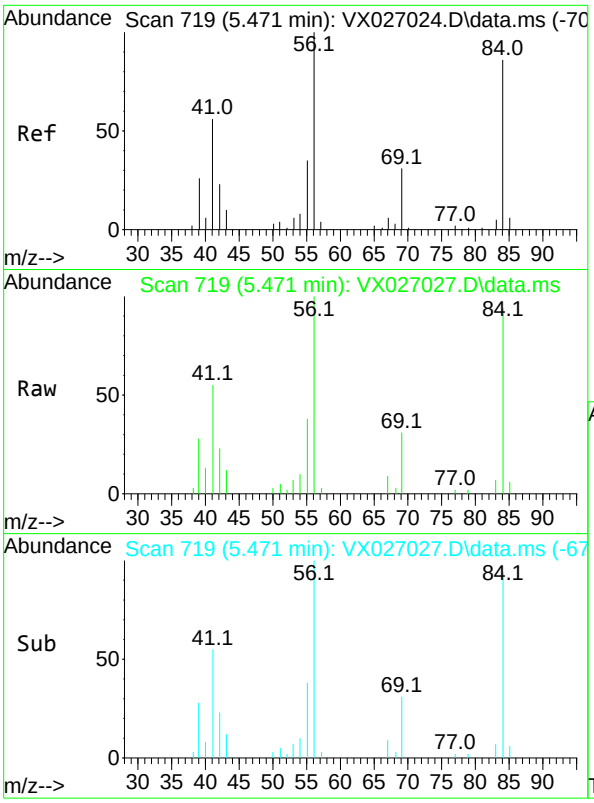


#27
1,2-Dichloroethane
Concen: 18.918 ug/L
RT: 6.086 min Scan# 820
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Tgt Ion: 62 Resp: 27217

Ion	Ratio	Lower	Upper
62	100		
98	11.0	8.2	12.2



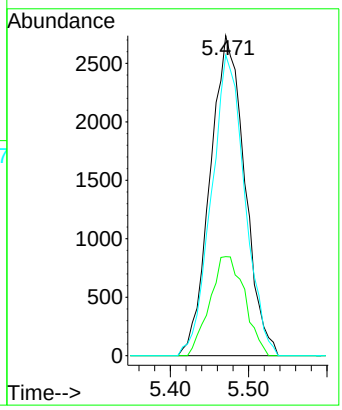


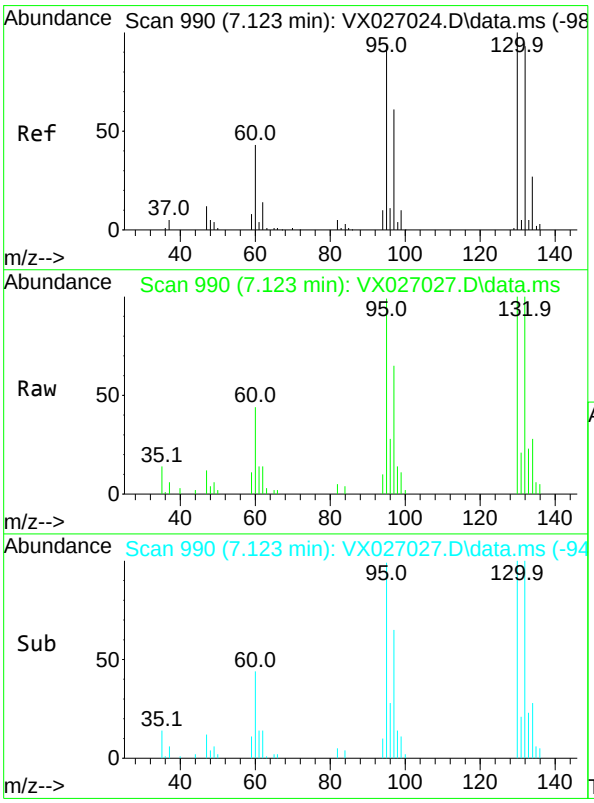
#29
Cyclohexane
Concen: 4.924 ug/L
RT: 5.471 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Instrument :
MSVOA_X
ClientSampleId :
X3941DL

Tgt Ion: 56 Resp: 8411

Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.6	36.8
84	90.5	69.8	104.8

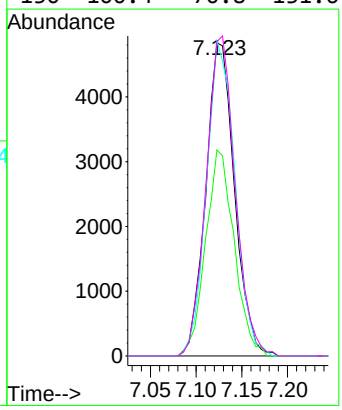


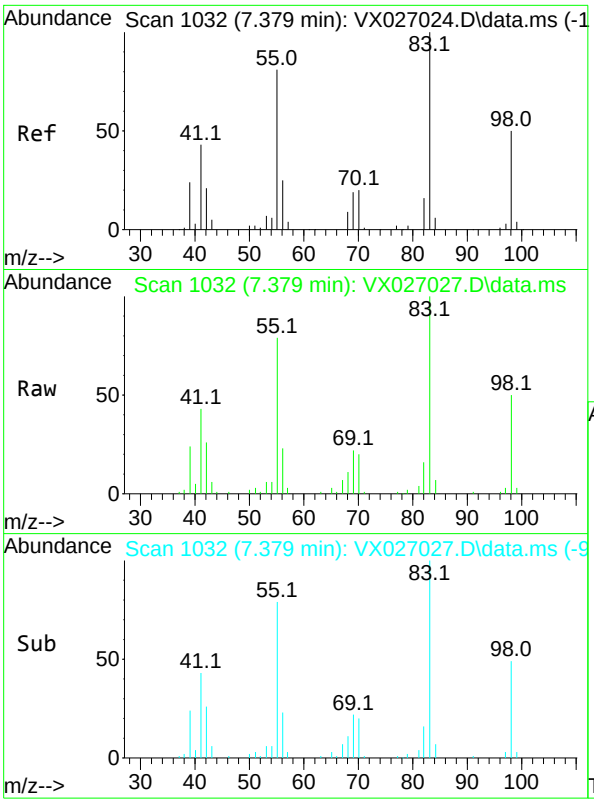


#34
Trichloroethene
Concen: 9.174 ug/L
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Tgt Ion: 95 Resp: 10564

Ion	Ratio	Lower	Upper
95	100		
97	65.8	45.5	84.5
132	100.6	69.9	129.7
130	100.4	70.8	131.6



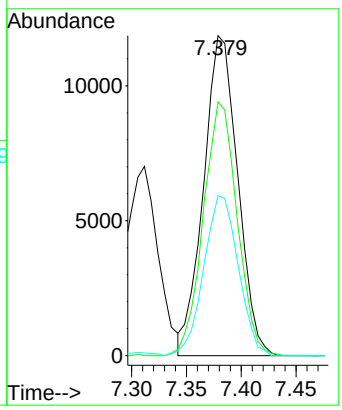


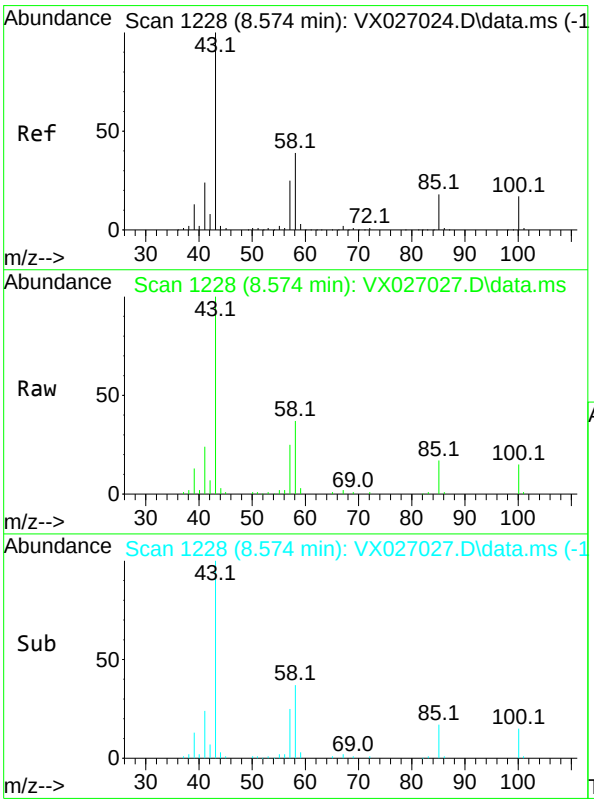
#35
Methylcyclohexane
Concen: 14.803 ug/L
RT: 7.379 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Instrument :
MSVOA_X
ClientSampleId :
X3941DL

Tgt Ion: 83 Resp: 25760

Ion	Ratio	Lower	Upper
83	100		
55	78.5	60.6	90.8
98	50.3	39.8	59.8

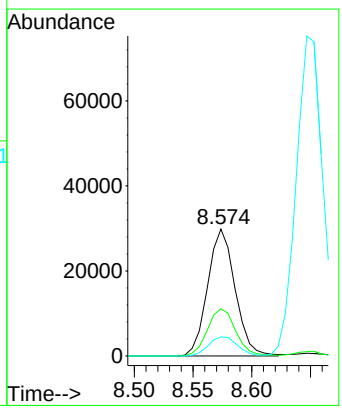


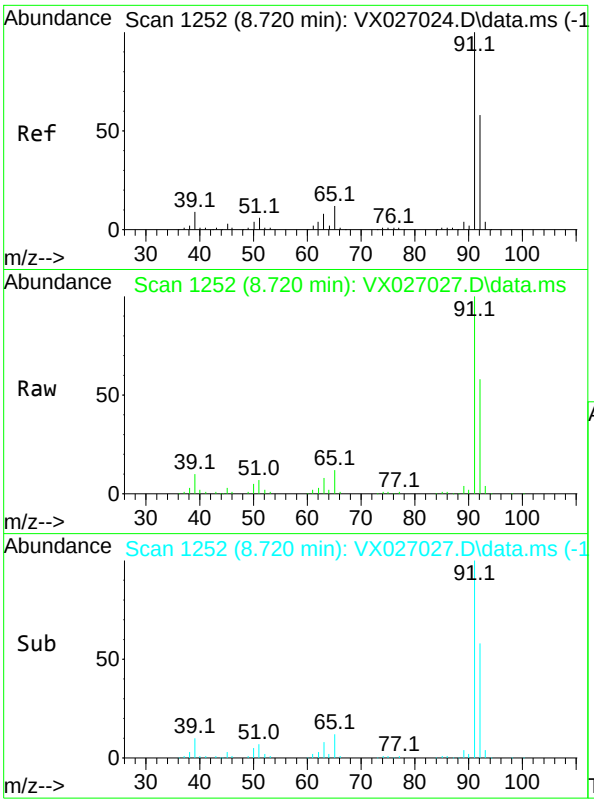


#40
4-Methyl-2-pentanone
Concen: 33.748 ug/L
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Tgt Ion: 43 Resp: 48569

Ion	Ratio	Lower	Upper
43	100		
58	38.3	31.0	46.6
100	16.0	13.0	19.4



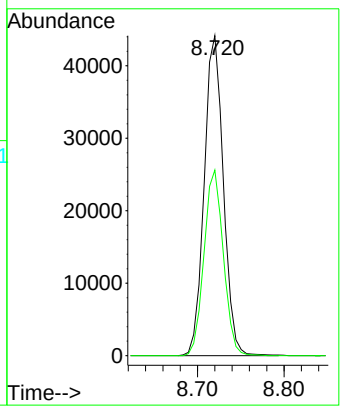


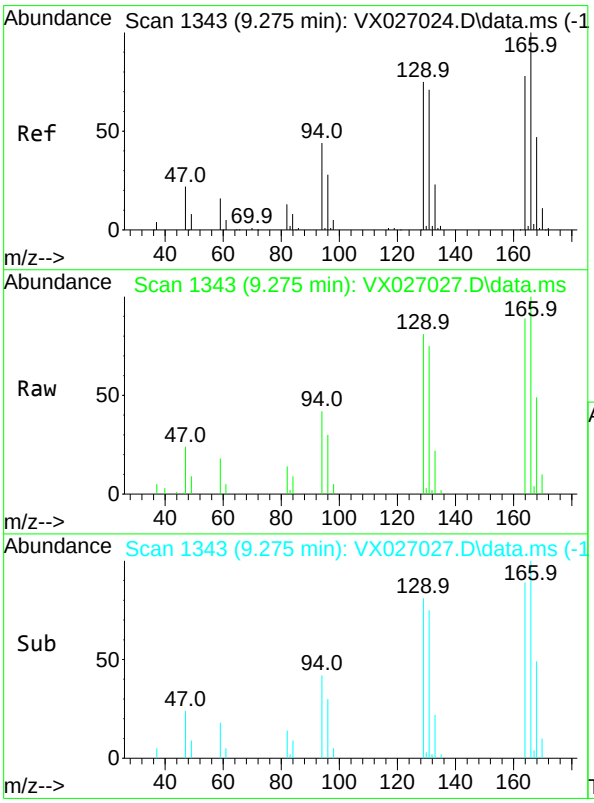
#42
Toluene
Concen: 15.700 ug/L
RT: 8.720 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Instrument :
MSVOA_X
ClientSampleId :
X3941DL

Tgt Ion: 91 Resp: 67857

Ion	Ratio	Lower	Upper
91	100		
92	58.0	41.5	77.1

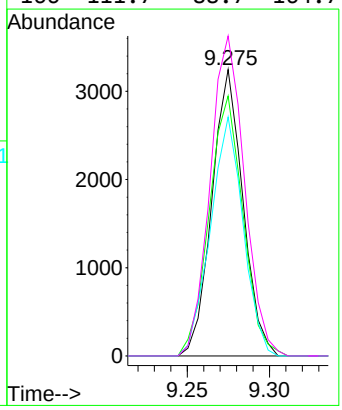


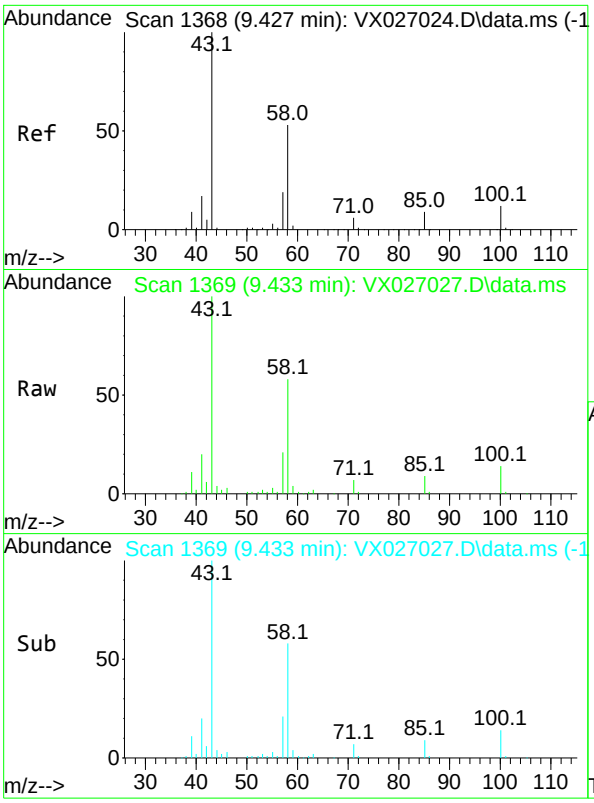


#46
Tetrachloroethene
Concen: 5.006 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Tgt Ion:164 Resp: 4268

Ion	Ratio	Lower	Upper
164	100		
129	90.8	65.5	121.7
131	83.4	64.3	119.3
166	111.7	88.7	164.7



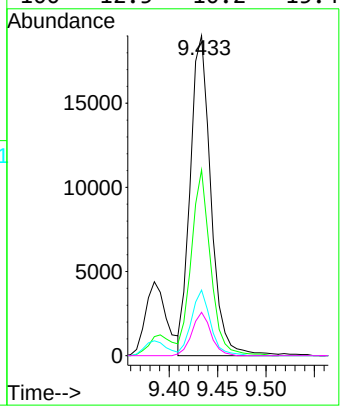


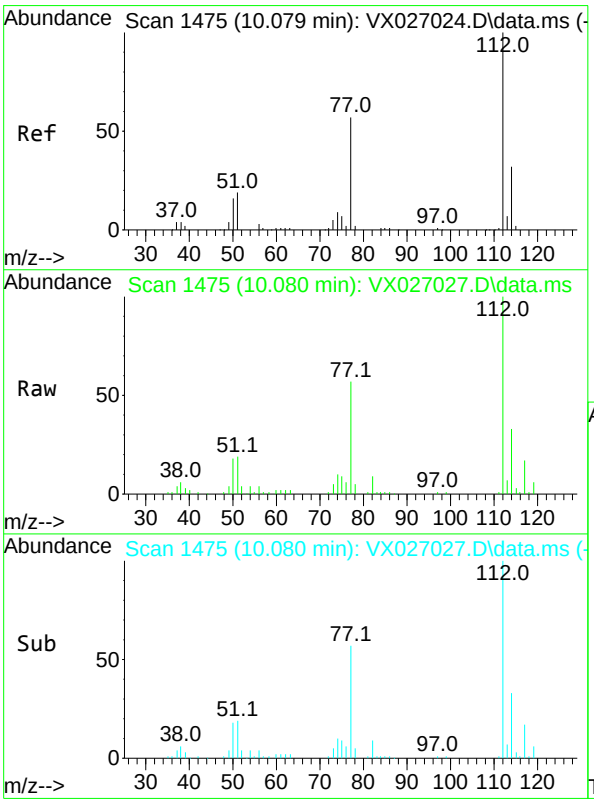
#48
2-Hexanone
Concen: 24.267 ug/L
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Instrument :
MSVOA_X
ClientSampleId :
X3941DL

Tgt Ion: 43 Resp: 28275

Ion	Ratio	Lower	Upper
43	100		
58	54.1	42.9	64.3
57	18.9	15.3	22.9
100	12.5	10.2	15.4

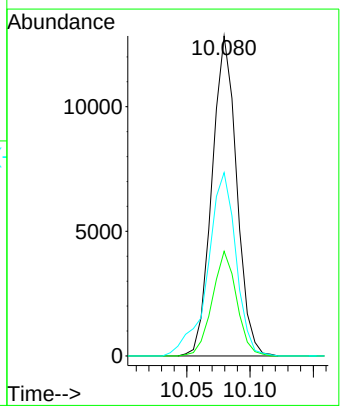


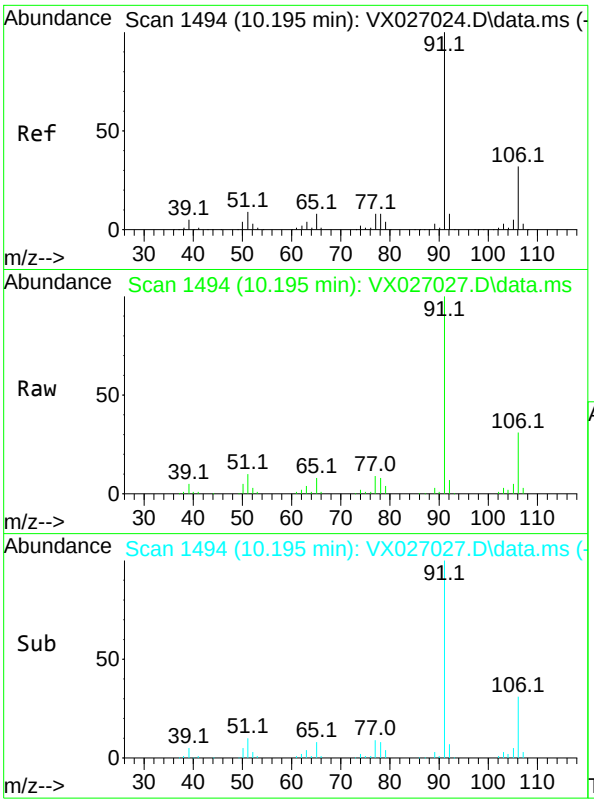


#51
Chlorobenzene
Concen: 6.285 ug/L
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Tgt Ion:112 Resp: 17396

Ion	Ratio	Lower	Upper
112	100		
114	32.7	22.2	41.2
77	57.3	45.9	68.9



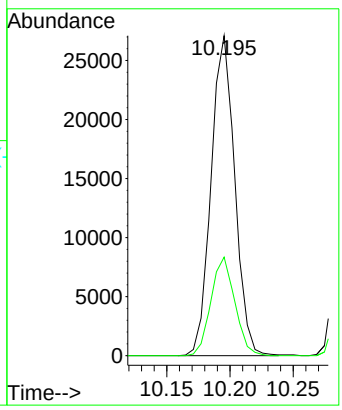


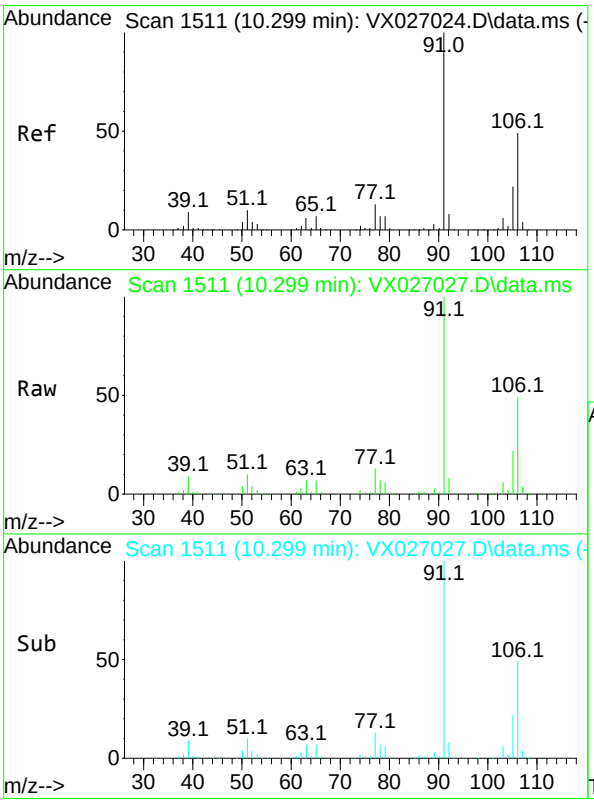
#52
Ethylbenzene
Concen: 7.586 ug/L
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Instrument :
MSVOA_X
ClientSampleId :
X3941DL

Tgt Ion: 91 Resp: 35269

Ion	Ratio	Lower	Upper
91	100		
106	30.8	21.7	40.3

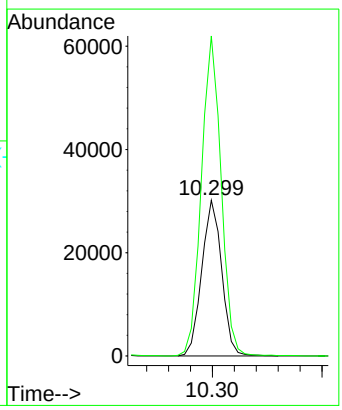


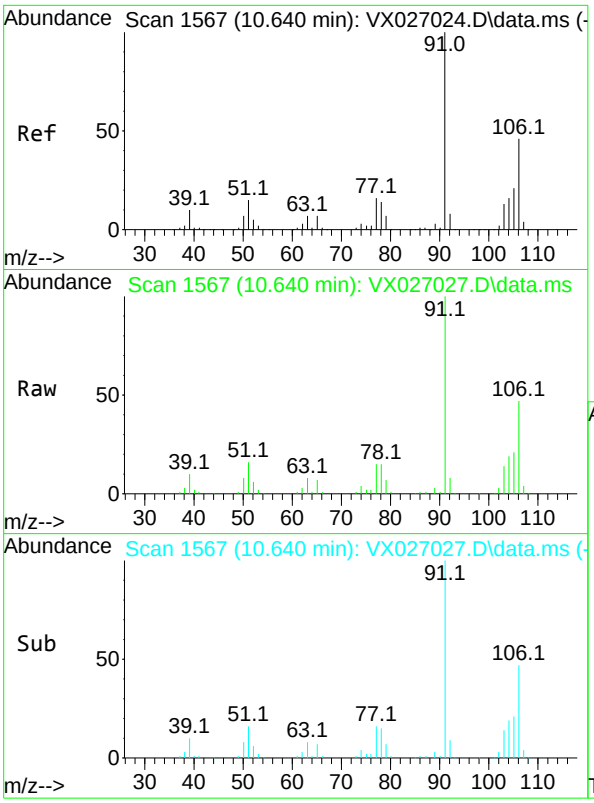


#53
m,p-Xylene
Concen: 20.796 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Tgt Ion:106 Resp: 38118

Ion	Ratio	Lower	Upper
106	100		
91	205.6	145.7	270.5



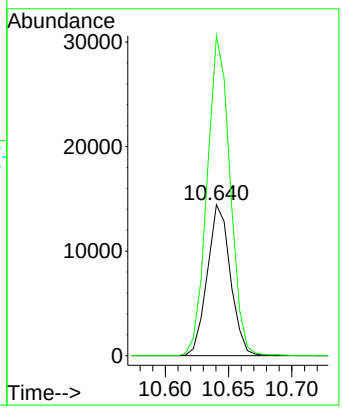


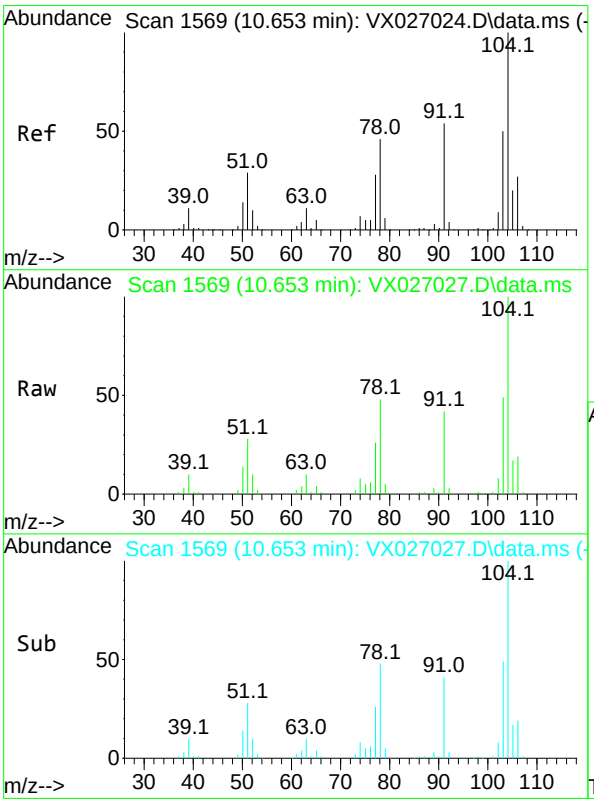
#54
o-Xylene
Concen: 10.459 ug/L
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Instrument :
MSVOA_X
ClientSampleId :
X3941DL

Tgt Ion:106 Resp: 18338

Ion	Ratio	Lower	Upper
106	100		
91	211.8	151.2	280.8

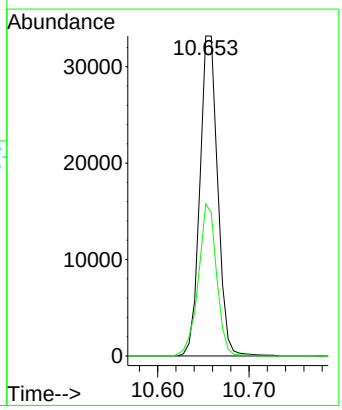


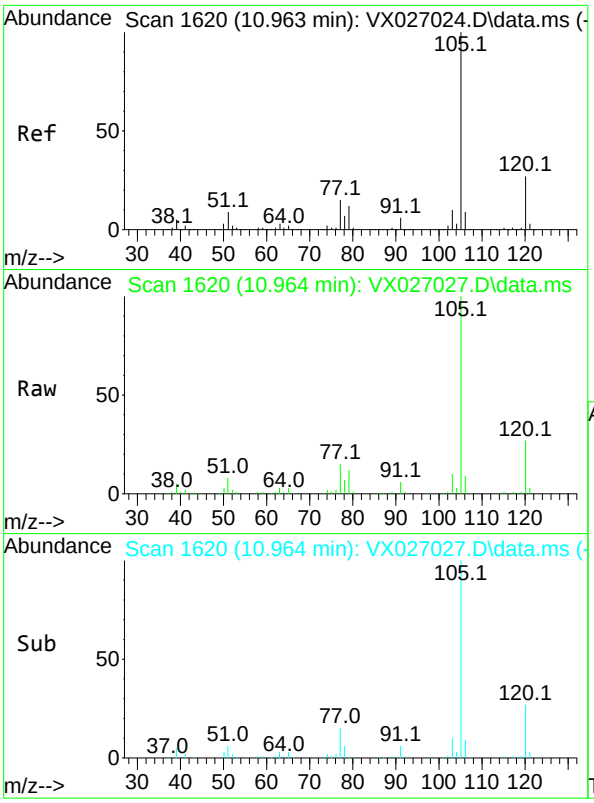


#55
Styrene
Concen: 15.106 ug/L
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Tgt Ion:104 Resp: 44854

Ion	Ratio	Lower	Upper
104	100		
78	47.5	33.3	61.9



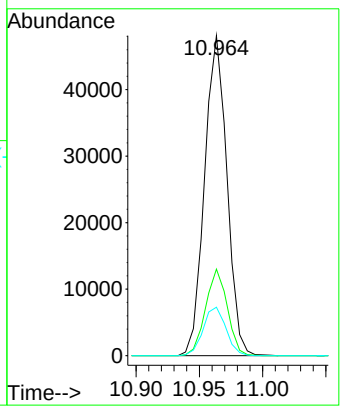


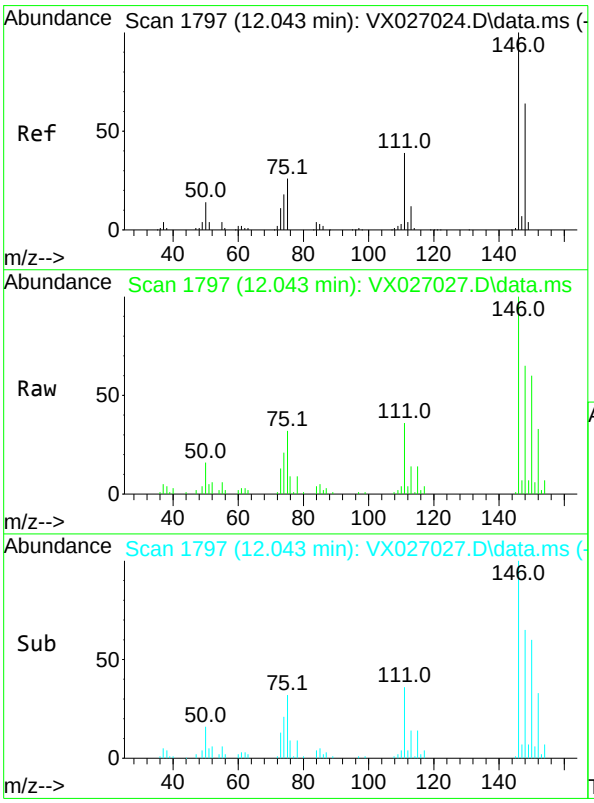
#60
Isopropylbenzene
Concen: 13.290 ug/L
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Instrument :
MSVOA_X
ClientSampleId :
X3941DL

Tgt Ion:105 Resp: 59147

Ion	Ratio	Lower	Upper
105	100		
120	26.3	21.2	31.8
77	15.5	12.5	18.7

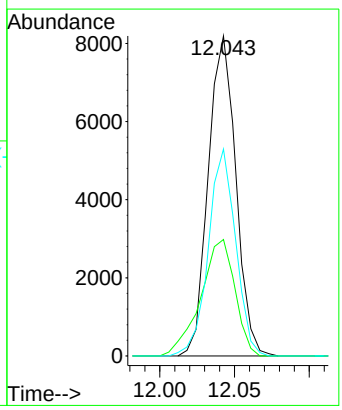


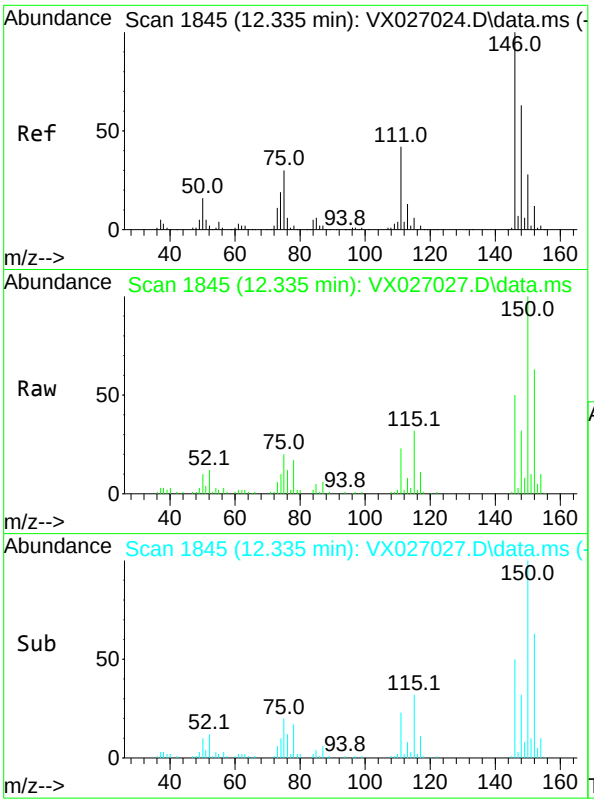


#65
1,4-Dichlorobenzene
Concen: 5.284 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Tgt Ion:146 Resp: 10527

Ion	Ratio	Lower	Upper
146	100		
111	36.4	26.5	49.3
148	64.7	43.5	80.7



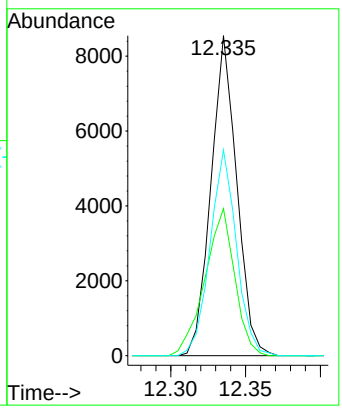


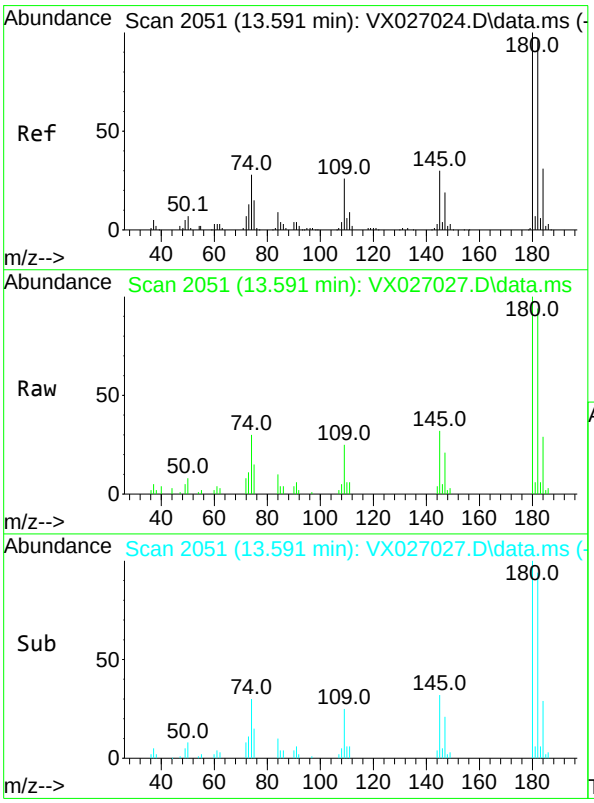
#67
1,2-Dichlorobenzene
Concen: 5.354 ug/L
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Instrument :
MSVOA_X
ClientSampleId :
X3941DL

Tgt Ion:146 Resp: 10248

Ion	Ratio	Lower	Upper
146	100		
111	46.0	34.5	51.7
148	64.3	51.9	77.9

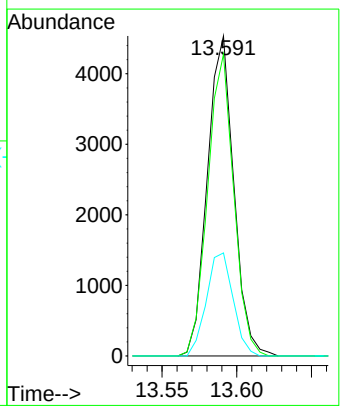


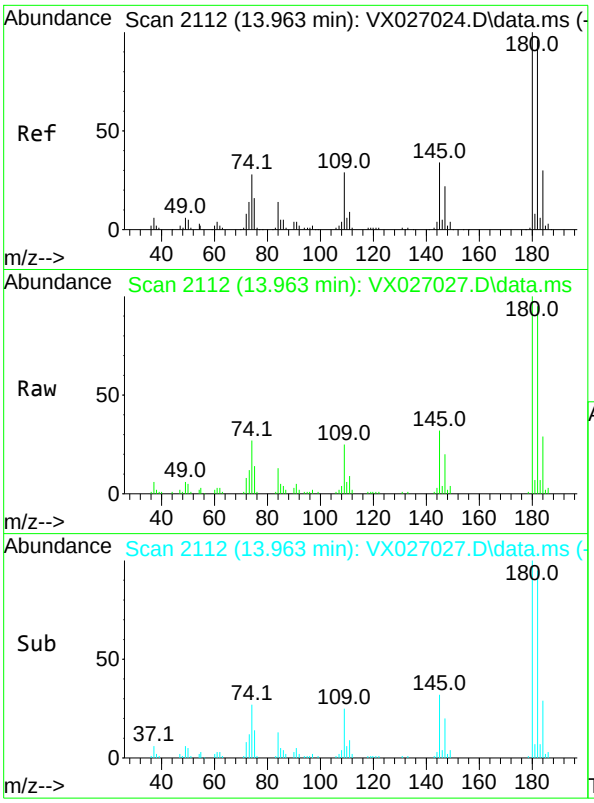


#70
1,2,4-trichlorobenzene
Concen: 4.645 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Tgt Ion:180 Resp: 5579

Ion	Ratio	Lower	Upper
180	100		
182	92.8	75.4	113.2
145	32.5	25.0	37.4





#72
1,2,3-Trichlorobenzene
Concen: 14.441 ug/L
RT: 13.963 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX027027.D
Acq: 15 Feb 2022 11:52

Instrument :
MSVOA_X
ClientSampleId :
X3941DL

Tgt Ion:180 Resp: 17343

Ion	Ratio	Lower	Upper
180	100		
182	95.3	77.0	115.4
145	34.6	27.4	41.0