Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070121\
Data File : VY005315.D
Acq On : 01 Jul 2021 15:39
Operator : SY/MD
Sample : M2896-07
Misc : 10.87G/5ML/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : FS-04

Quant Time: Jul 02 05:16:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 23 07:57:52 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.801	168	215214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	341197	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	311654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	113124	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	118342	66.262	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 132.520%			
35) Dibromofluoromethane	7.728	113	108829	54.084	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.160%			
50) Toluene-d8	10.185	98	415769	51.667	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.340%			
62) 4-Bromofluorobenzene	12.483	95	125144	46.669	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.340%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.960	59	541	Below Cal	#	77
13) Acrolein	3.741	56	318	3.624	ug/l #	11
16) Acetone	3.960	43	163200	395.558	ug/l	99
17) Carbon Disulfide	4.204	76	54280	9.685	ug/l	99
18) Methyl Acetate	4.497	43	1414	1.290	ug/l #	75
20) Methylene Chloride	4.735	84	9041	Below Cal		97
25) 2-Butanone	7.002	43	37921	63.033	ug/l	93
31) Cyclohexane	7.789	56	3814	1.196	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	14204	4.728	ug/l #	48
37) Ethyl Acetate	7.002	43	37921	24.476	ug/l #	65
38) Carbon Tetrachloride	7.795	117	18388	5.847	ug/l #	15
41) Methacrylonitrile	7.338	41	955	1.111	ug/l #	100
59) 2-Hexanone	10.801	43	1348	1.315	ug/l #	20
67) Ethyl Benzene	11.599	91	10893	1.023	ug/l	99
68) m/p-Xylenes	11.703	106	12583	2.949	ug/l	94
69) o-Xylene	12.032	106	5851	1.448	ug/l	86
76) 1,2,3-Trichloropropane	12.483	75	63955	63.746	ug/l #	100
78) n-propylbenzene	12.672	91	23418	2.707	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	15758	2.596	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	63955	118.935	ug/l #	20
83) tert-Butylbenzene	13.123	119	5786	1.069	ug/l #	59
84) 1,2,4-Trimethylbenzene	13.123	105	44904	7.483	ug/l	98
85) sec-Butylbenzene	13.257	105	14292	1.815	ug/l #	59
86) p-Isopropyltoluene	13.318	119	28147	4.144	ug/l	96
89) n-Butylbenzene	13.696	91	96403	16.156	ug/l #	74
90) Hexachloroethane	13.971	117	13087	10.666	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.379	75	1427	5.926	ug/l #	1
95) Naphthalene	15.239	128	85938	20.048	ug/l	97

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

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Instrument :
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Quant Title : SW846 8260
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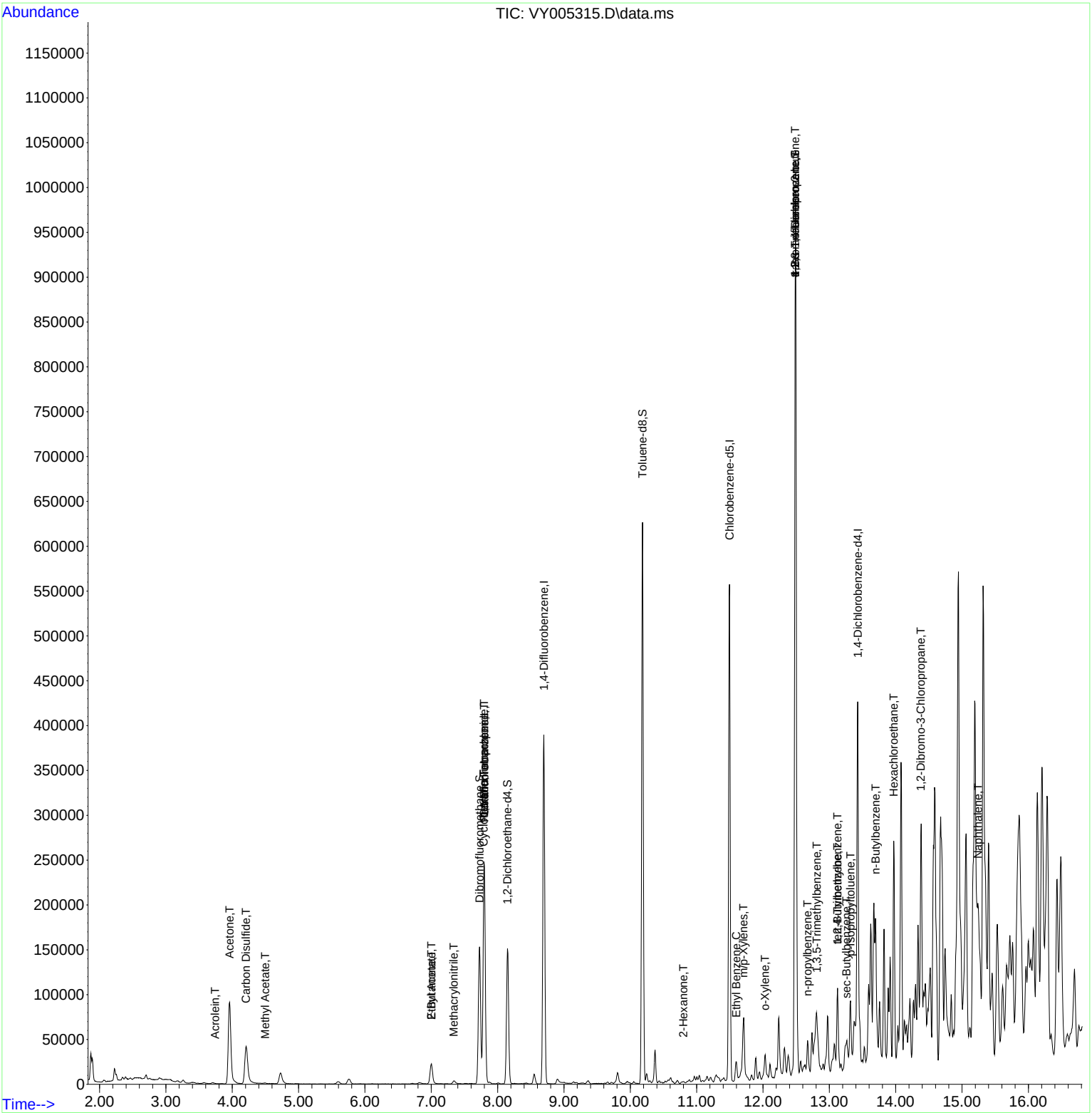
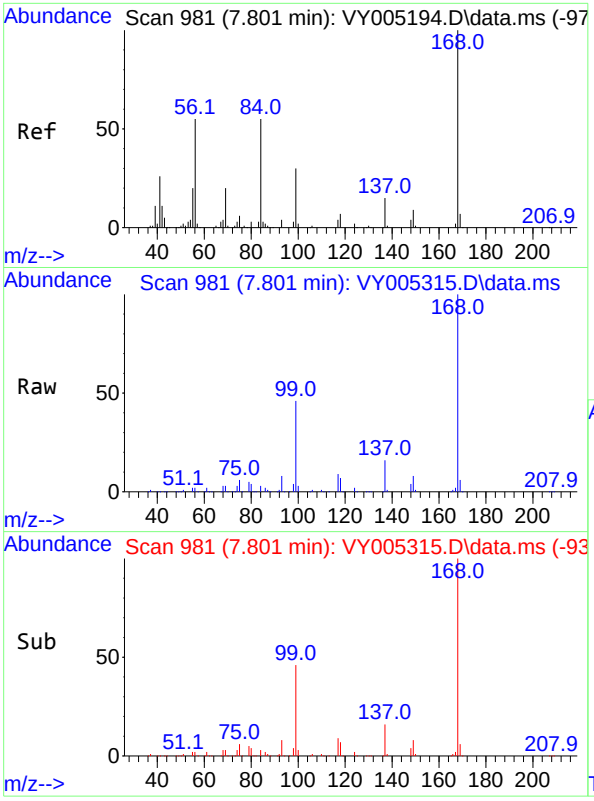
Response via : Initial Calibration

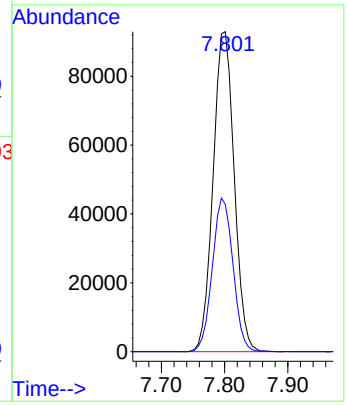




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion:168 Resp: 215214

Ion	Ratio	Lower	Upper
168	100		
99	46.0	36.2	54.4



Instrument :
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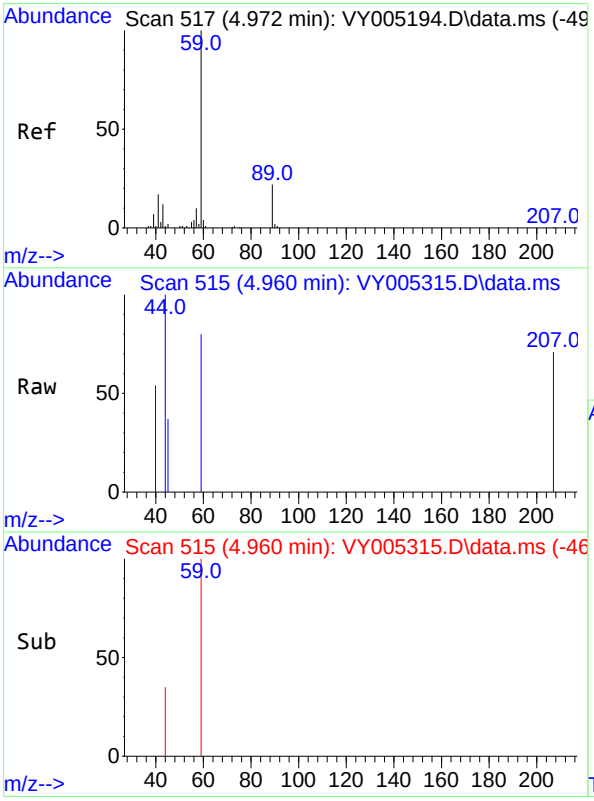
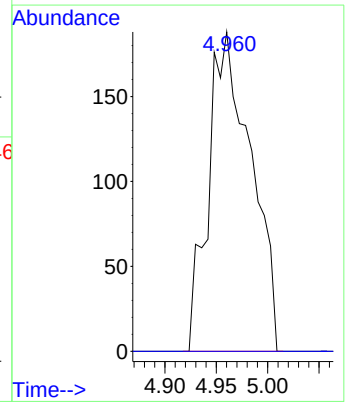


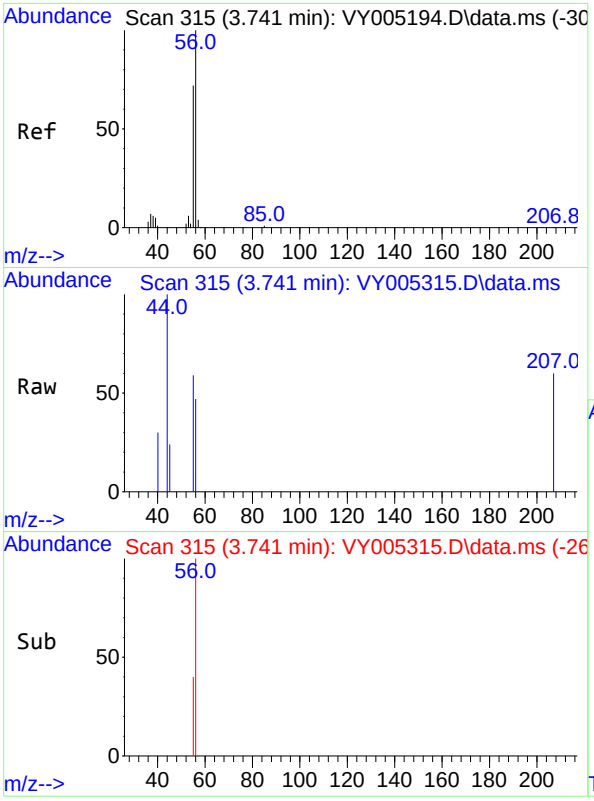
#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion: 59 Resp: 541

Ion	Ratio	Lower	Upper
59	100		
57	0.0	6.5	9.7#



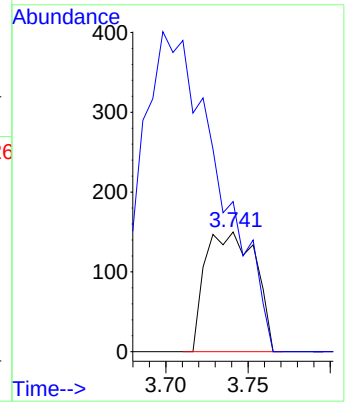
Instrument :
MSVOA_Y
ClientSampleId :
FS-04

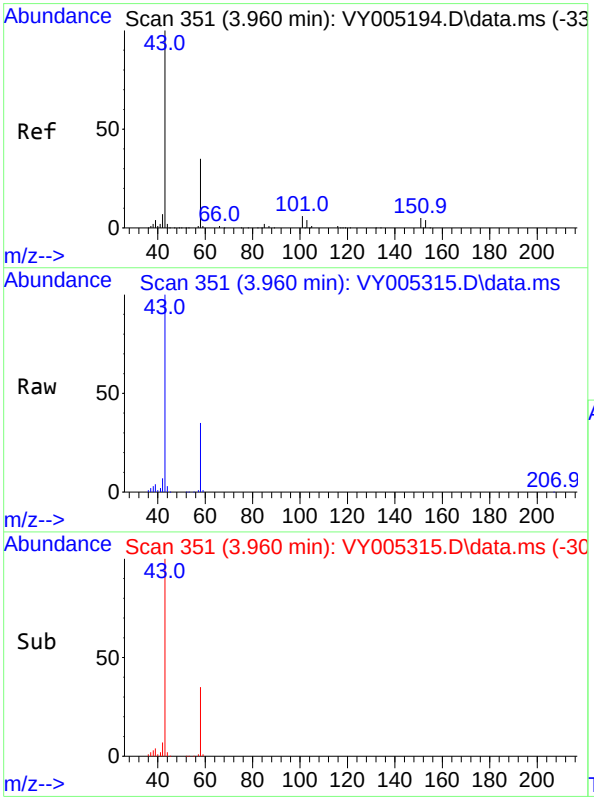


#13
Acrolein
Concen: 3.624 ug/l
RT: 3.741 min Scan# 315
Delta R.T. 0.000 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion: 56 Resp: 318

Ion	Ratio	Lower	Upper
56	100		
55	0.0	61.0	91.6#

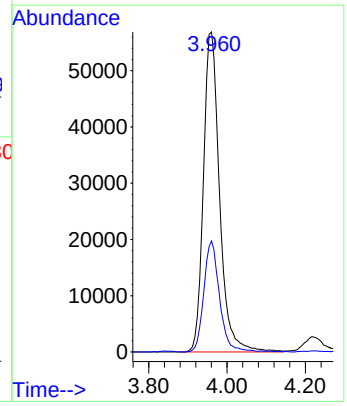


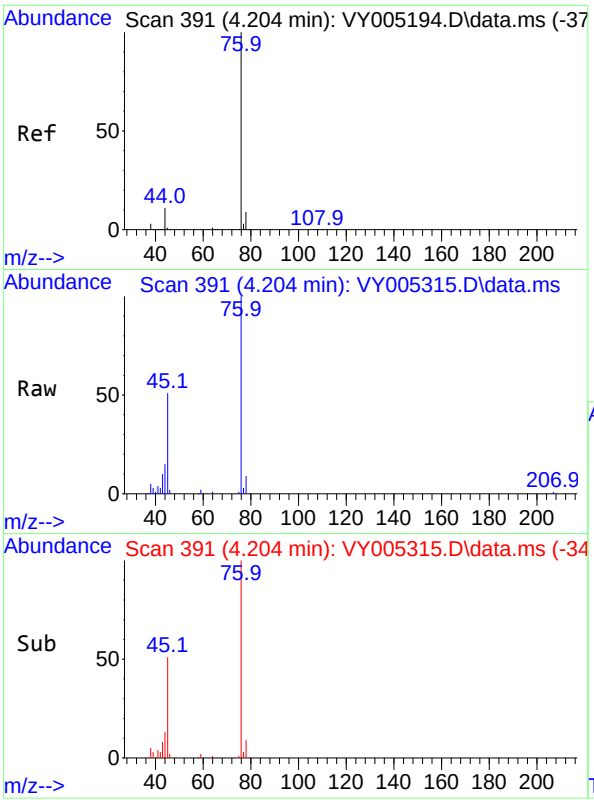


#16
Acetone
Concen: 395.558 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion: 43 Resp: 163200

Ion	Ratio	Lower	Upper
43	100		
58	34.7	28.2	42.2

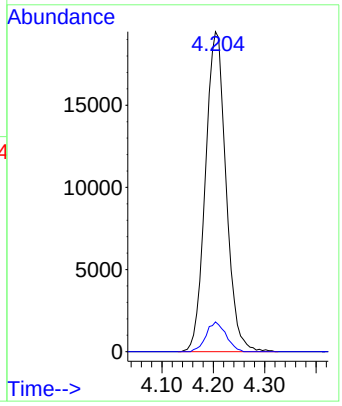




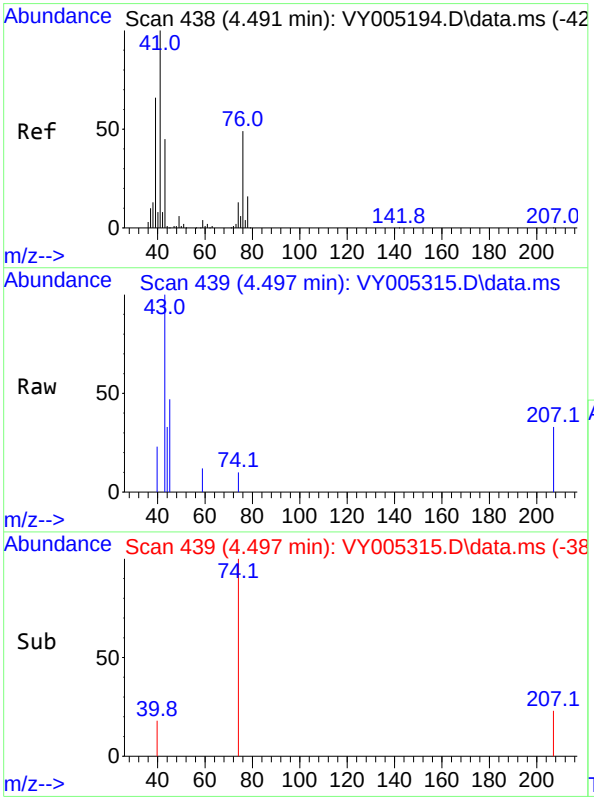
#17
Carbon Disulfide
Concen: 9.685 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion: 76 Resp: 54280

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9



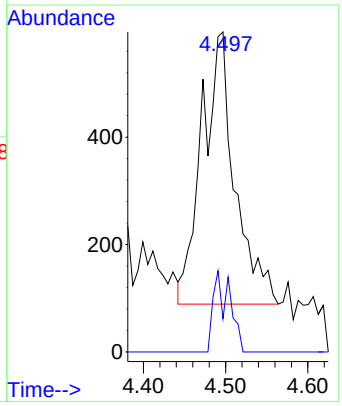
Instrument :
MSVOA_Y
ClientSampleId :
FS-04



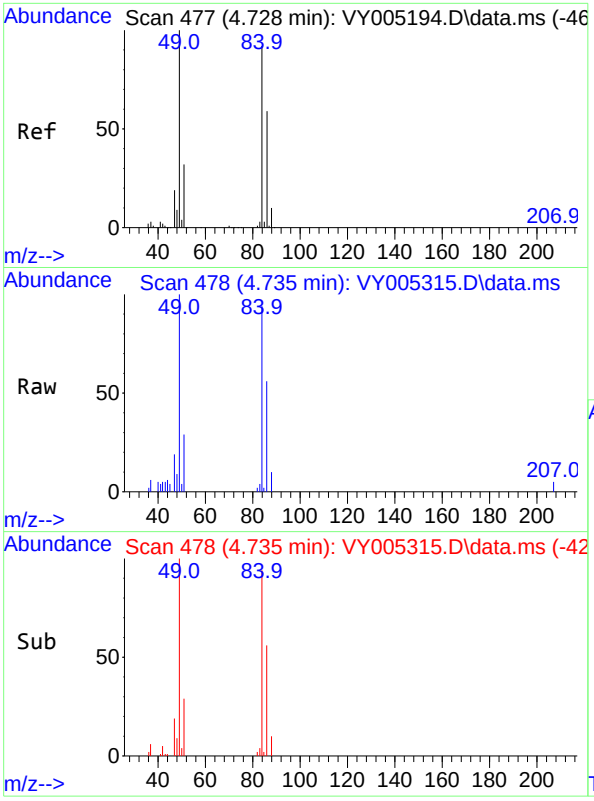
#18
Methyl Acetate
Concen: 1.290 ug/l
RT: 4.497 min Scan# 439
Delta R.T. 0.006 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion: 43 Resp: 1414

Ion	Ratio	Lower	Upper
43	100		
74	14.7	22.5	33.7#



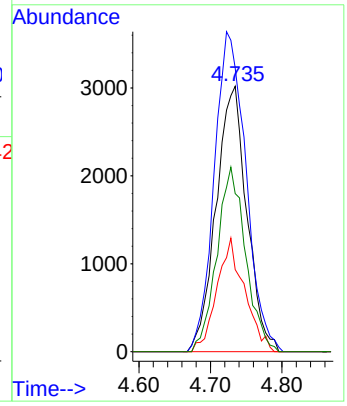
Instrument :
MSVOA_Y
ClientSampleId :
FS-04

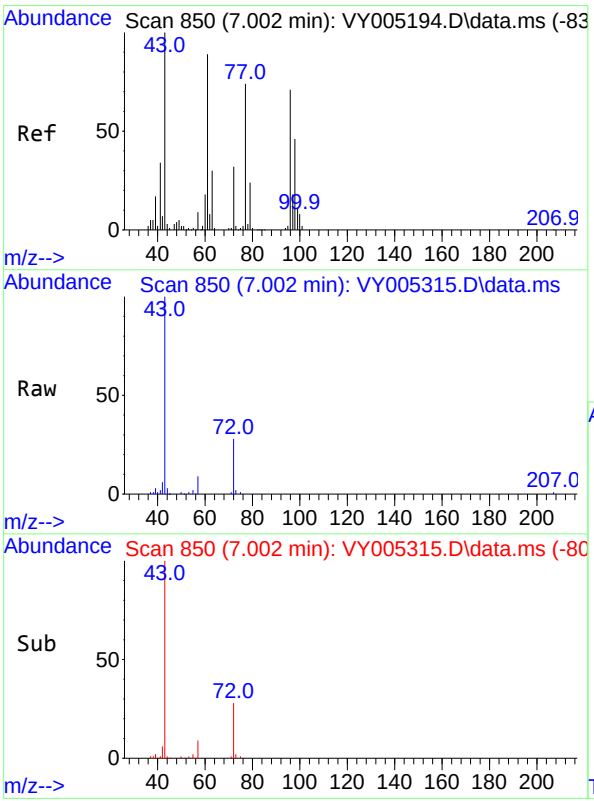


#20
Methylene Chloride
Concen: Below Cal
RT: 4.735 min Scan# 478
Delta R.T. 0.007 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion: 84 Resp: 9041

Ion	Ratio	Lower	Upper
84	100		
49	106.9	86.9	130.3
51	30.9	27.4	41.2
86	59.6	51.0	76.6

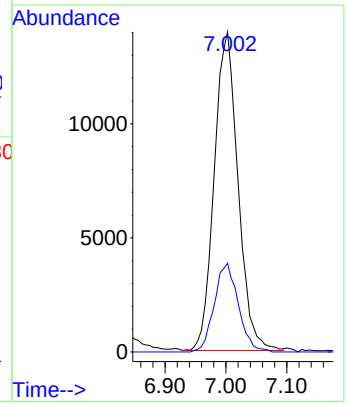




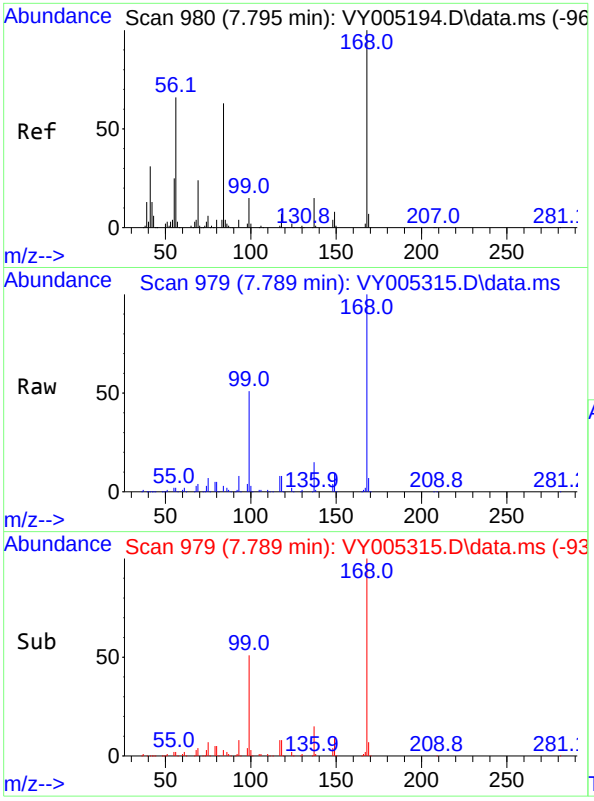
#25
2-Butanone
Concen: 63.033 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion: 43 Resp: 37921

Ion	Ratio	Lower	Upper
43	100		
72	27.9	25.3	37.9



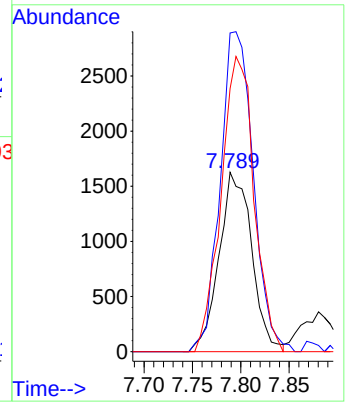
Instrument :
MSVOA_Y
ClientSampleId :
FS-04

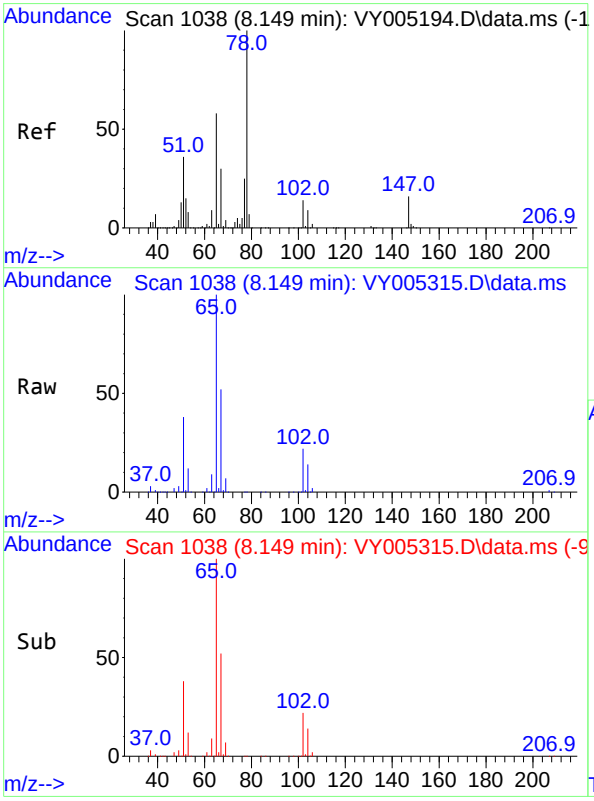


#31
Cyclohexane
Concen: 1.196 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion: 56 Resp: 3814

Ion	Ratio	Lower	Upper
56	100		
69	177.8	29.6	44.4#
84	146.7	76.4	114.6#

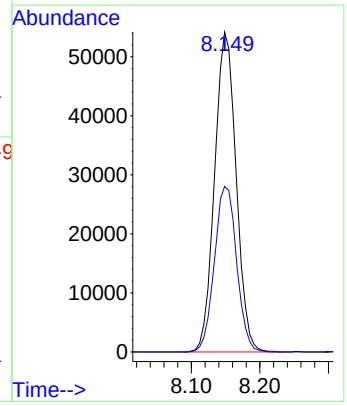




#33
1,2-Dichloroethane-d4
Concen: 66.262 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion: 65 Resp: 118342

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	110.6



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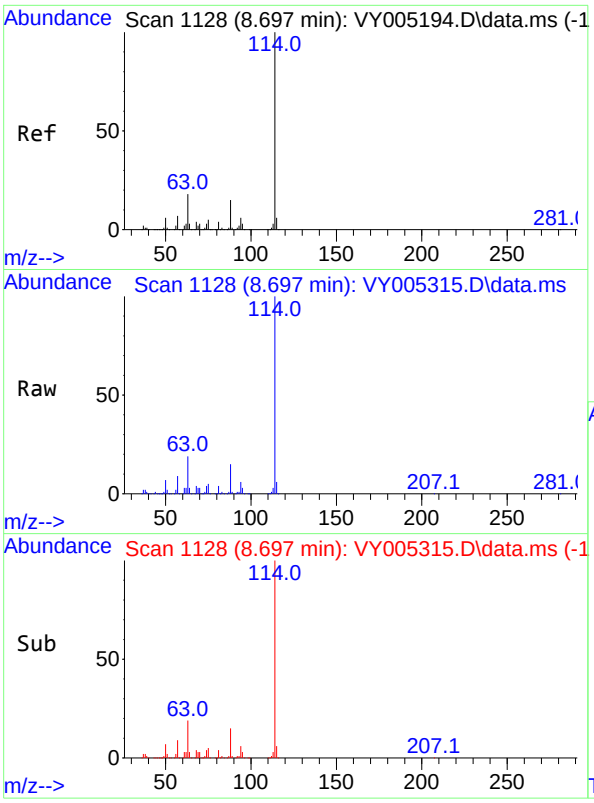
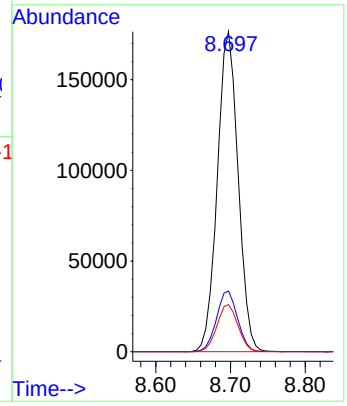
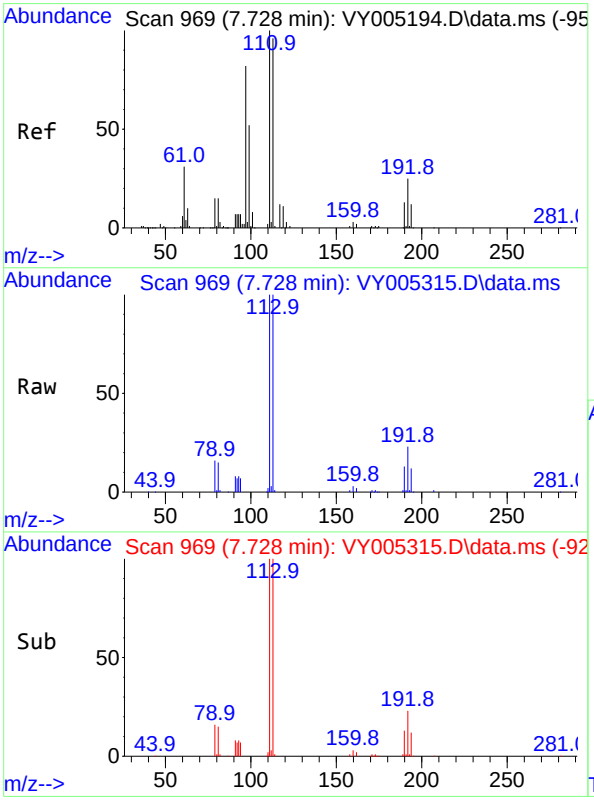


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion:114 Resp: 341197

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	35.2
88	14.7	0.0	29.4

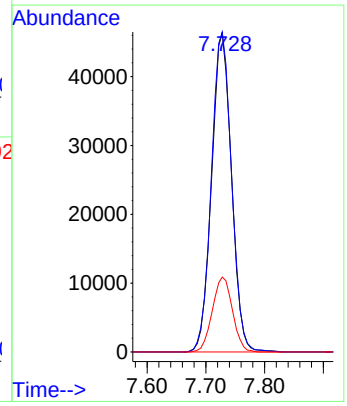




#35
Dibromofluoromethane
Concen: 54.084 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion:113 Resp: 108829

Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.6	124.0
192	23.7	20.2	30.2



Instrument :
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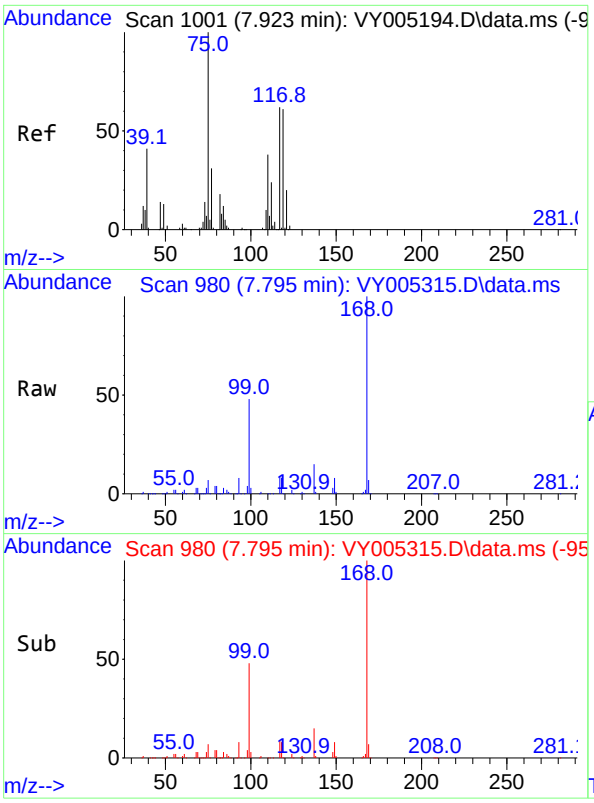
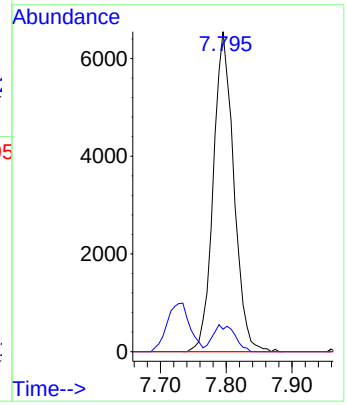
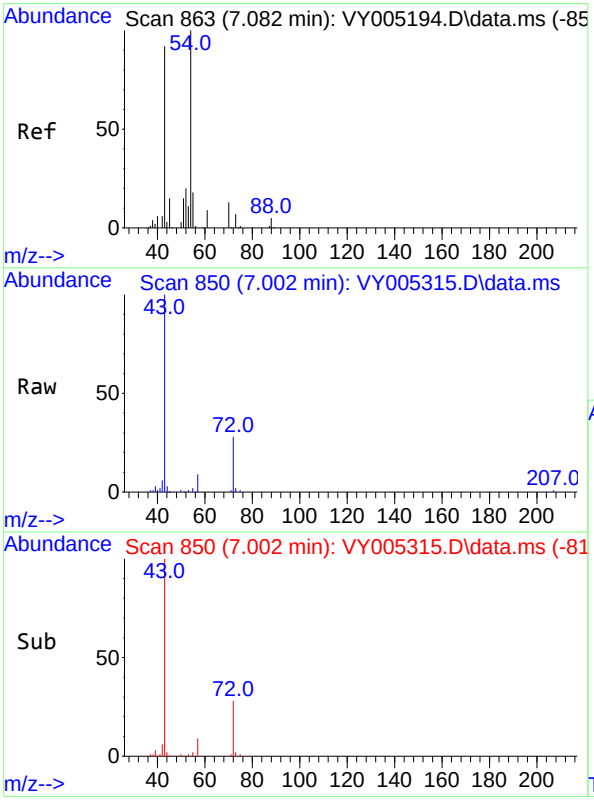


#36
1,1-Dichloropropene
Concen: 4.728 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion: 75 Resp: 14204

Ion	Ratio	Lower	Upper
75	100		
110	9.0	19.1	57.5#
77	0.0	25.2	37.8#

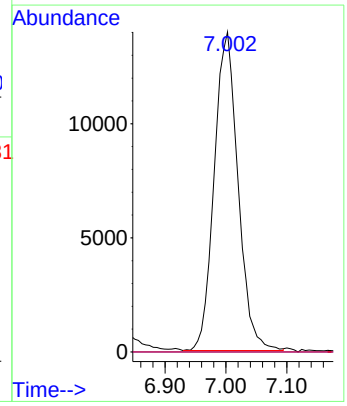




#37
Ethyl Acetate
Concen: 24.476 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.079 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion: 43 Resp: 37921

Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	9.7	14.5#



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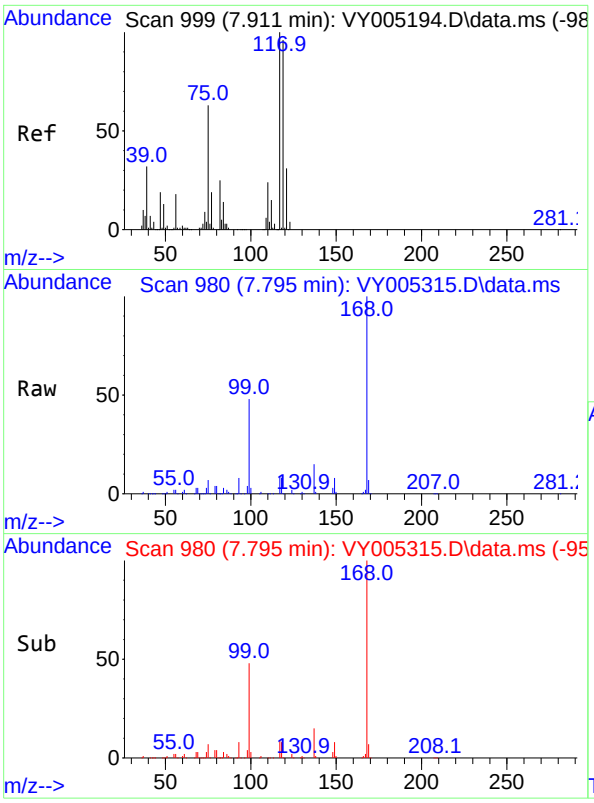
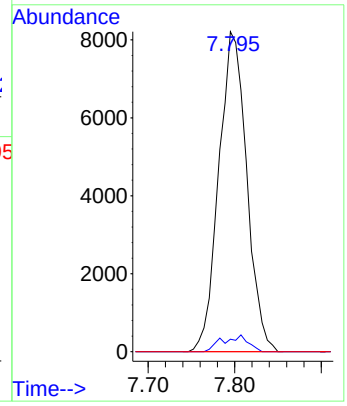
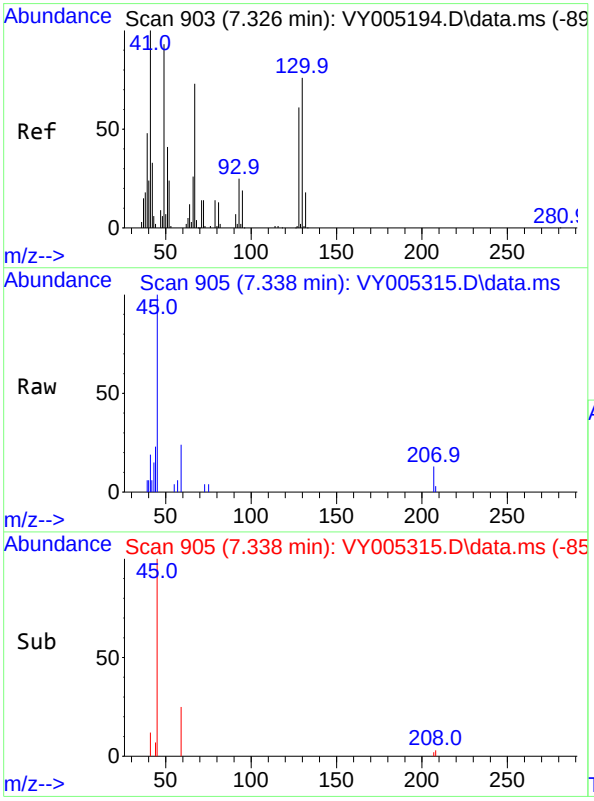


#38
Carbon Tetrachloride
Concen: 5.847 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion:117 Resp: 18388

Ion	Ratio	Lower	Upper
117	100		
119	3.9	76.2	114.4#
121	0.0	24.7	37.1#

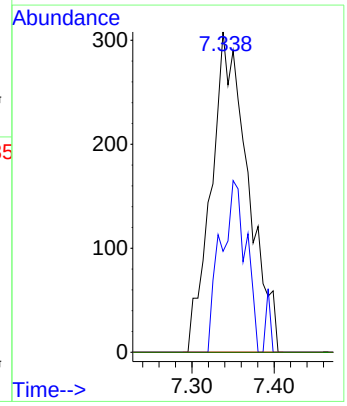




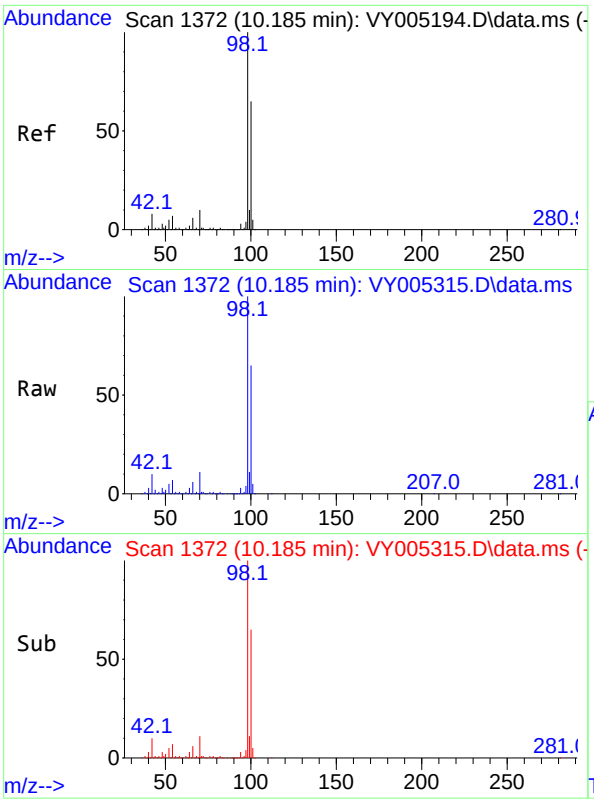
#41
Methacrylonitrile
Concen: 1.111 ug/l
RT: 7.338 min Scan# 905
Delta R.T. 0.012 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion: 41 Resp: 955

Ion	Ratio	Lower	Upper
41	100		
39	37.1	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



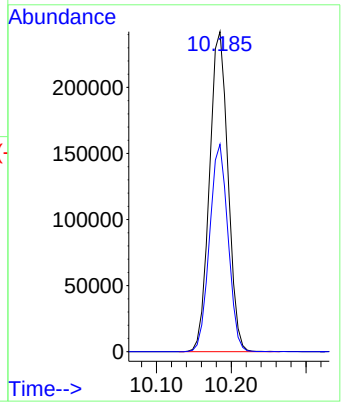
Instrument :
MSVOA_Y
ClientSampleId :
FS-04

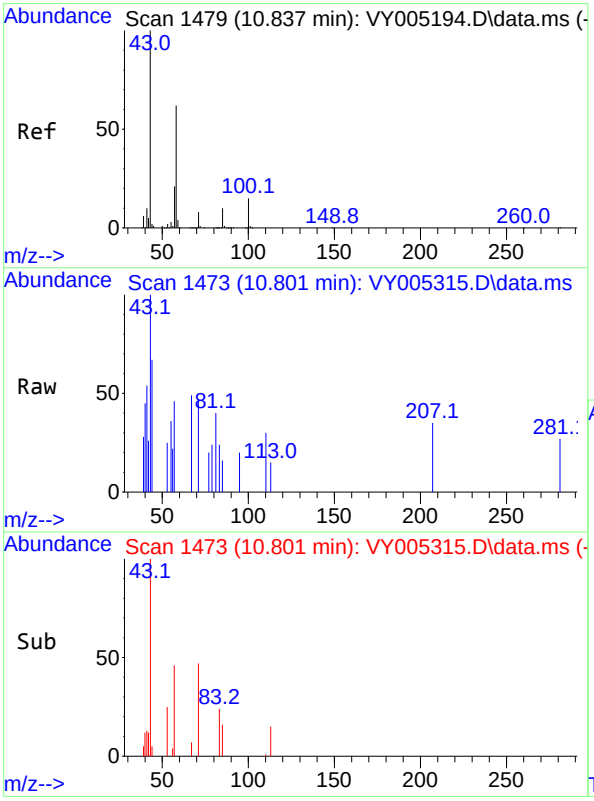


#50
Toluene-d8
Concen: 51.667 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion: 98 Resp: 415769

Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.9	77.9

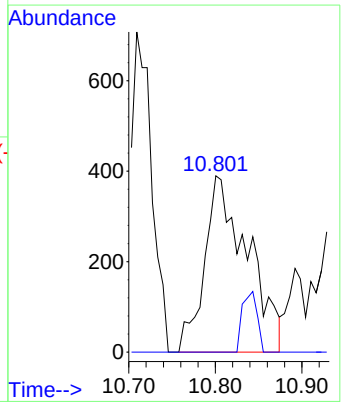




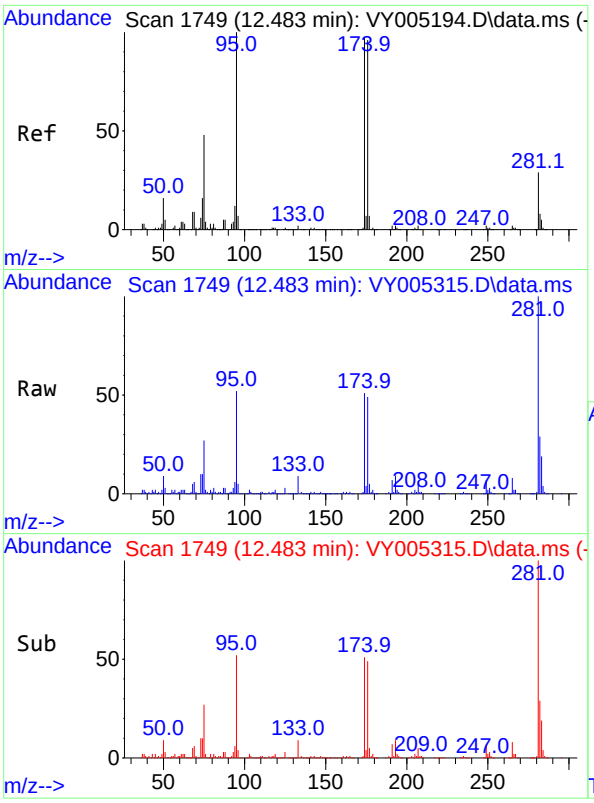
#59
2-Hexanone
Concen: 1.315 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.037 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion: 43 Resp: 1348

Ion	Ratio	Lower	Upper
43	100		
58	0.0	30.8	92.4#



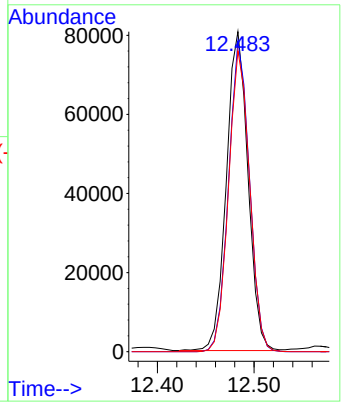
Instrument :
MSVOA_Y
ClientSampleId :
FS-04

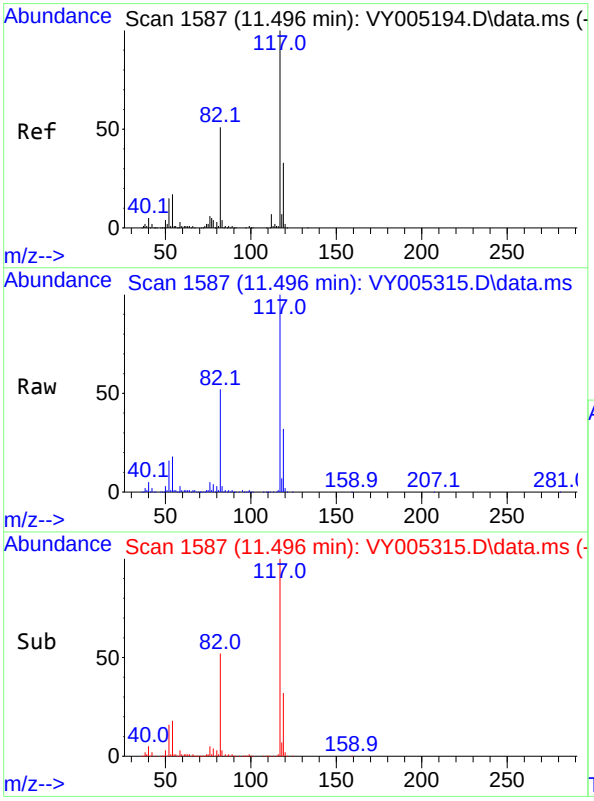


#62
4-Bromofluorobenzene
Concen: 46.669 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion: 95 Resp: 125144

Ion	Ratio	Lower	Upper
95	100		
174	93.9	0.0	201.6
176	92.1	0.0	197.4

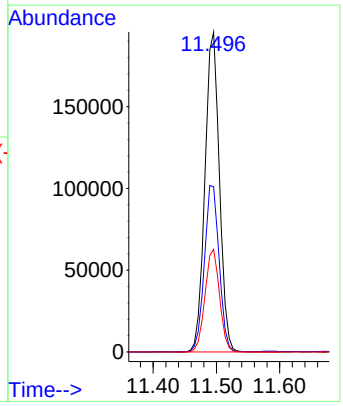




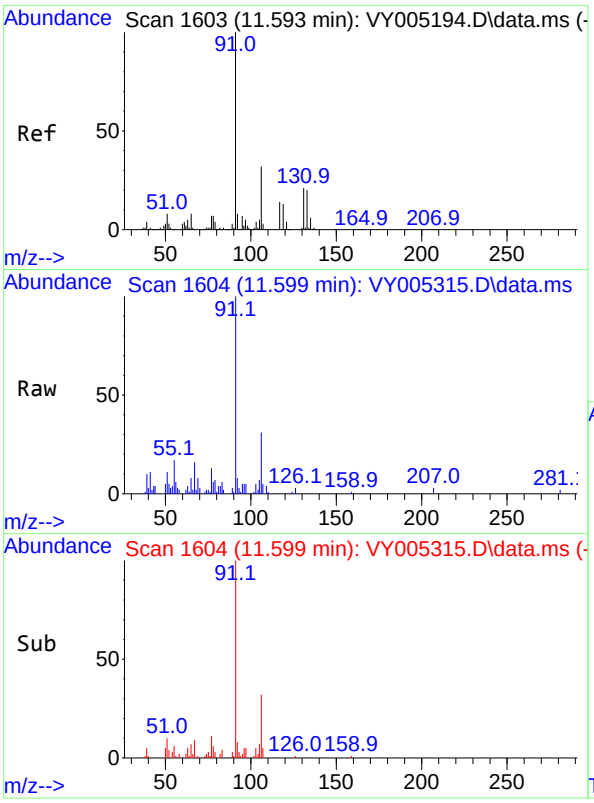
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion:117 Resp: 311654

Ion	Ratio	Lower	Upper
117	100		
82	51.6	40.6	60.8
119	32.1	26.1	39.1



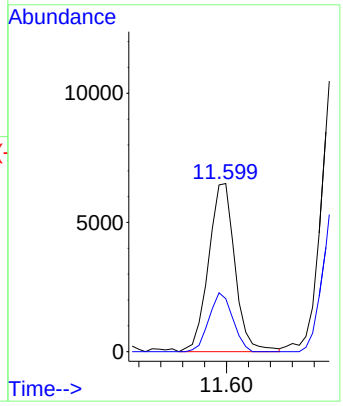
Instrument :
MSVOA_Y
ClientSampleId :
FS-04

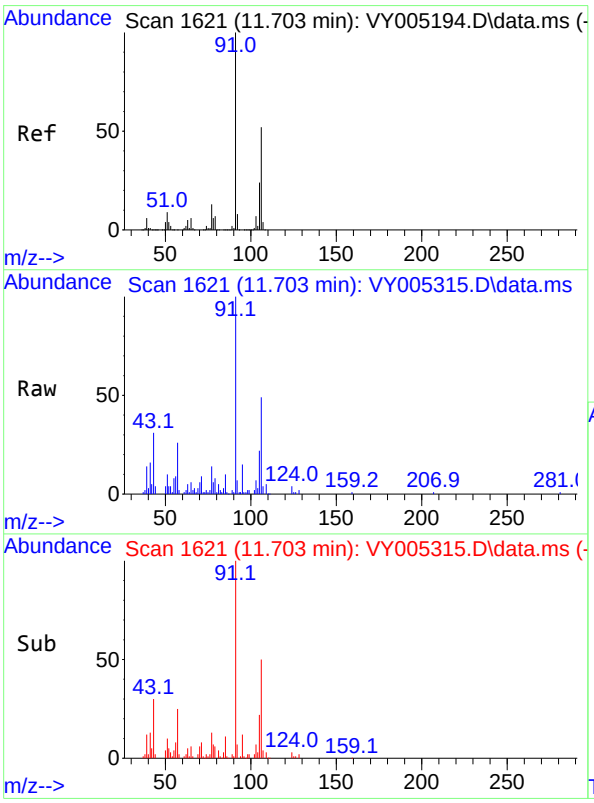


#67
Ethyl Benzene
Concen: 1.023 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion: 91 Resp: 10893

Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.8	38.6

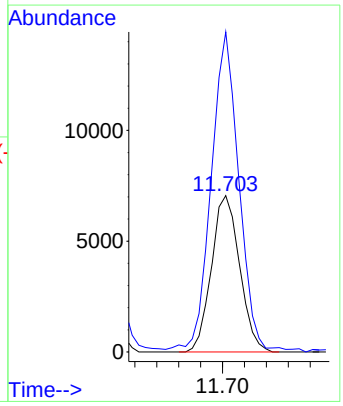




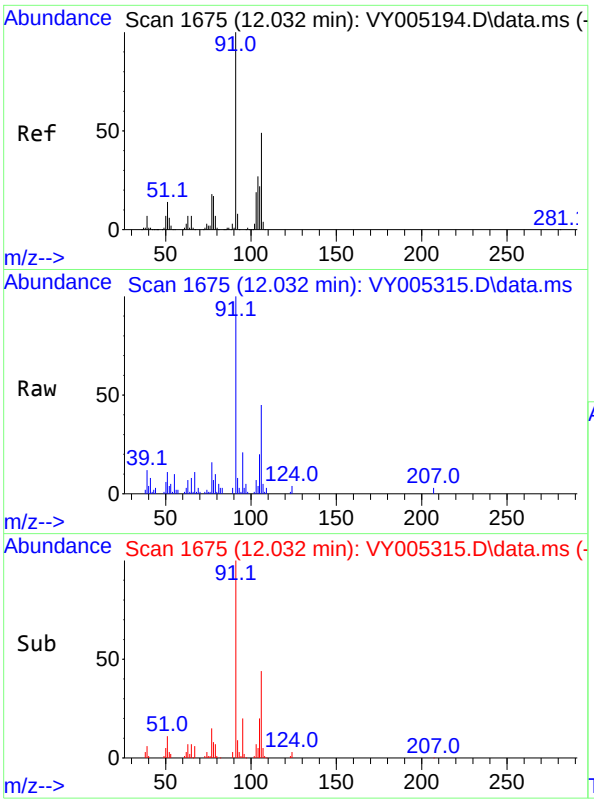
#68
m/p-Xylenes
Concen: 2.949 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion:106 Resp: 12583

Ion	Ratio	Lower	Upper
106	100		
91	202.7	154.8	232.2



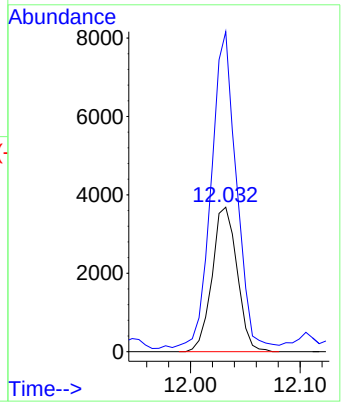
Instrument :
MSVOA_Y
ClientSampleId :
FS-04

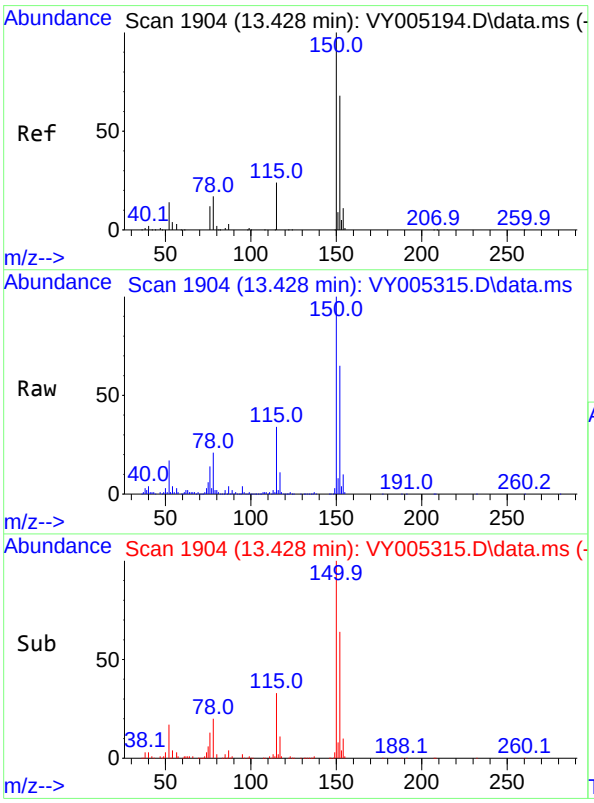


#69
o-Xylene
Concen: 1.448 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion:106 Resp: 5851

Ion	Ratio	Lower	Upper
106	100		
91	224.1	101.6	304.8

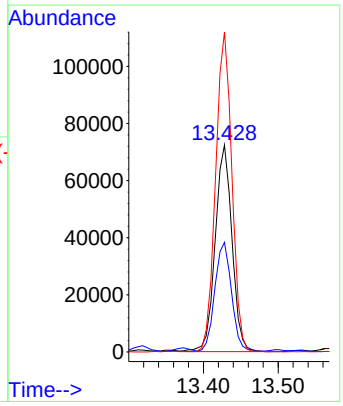




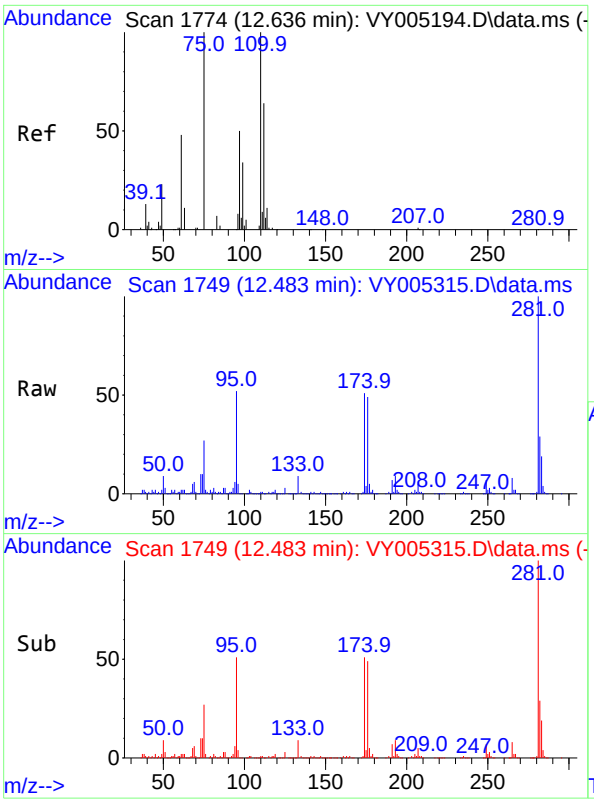
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion:152 Resp: 113124

Ion	Ratio	Lower	Upper
152	100		
115	52.1	26.3	78.8
150	149.1	0.0	344.2



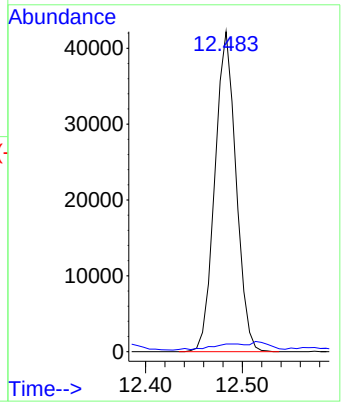
Instrument :
MSVOA_Y
ClientSampleId :
FS-04

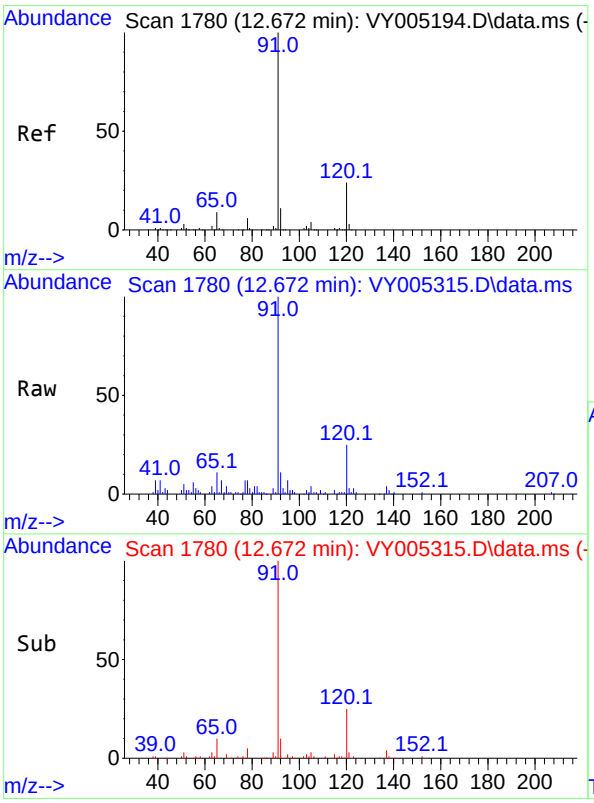


#76
1,2,3-Trichloropropane
Concen: 63.746 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion: 75 Resp: 63955

Ion	Ratio	Lower	Upper
75	100		
77	3.0	0.0	0.0#

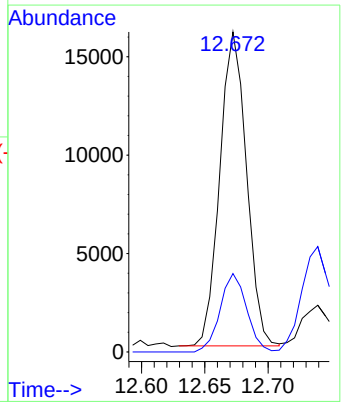




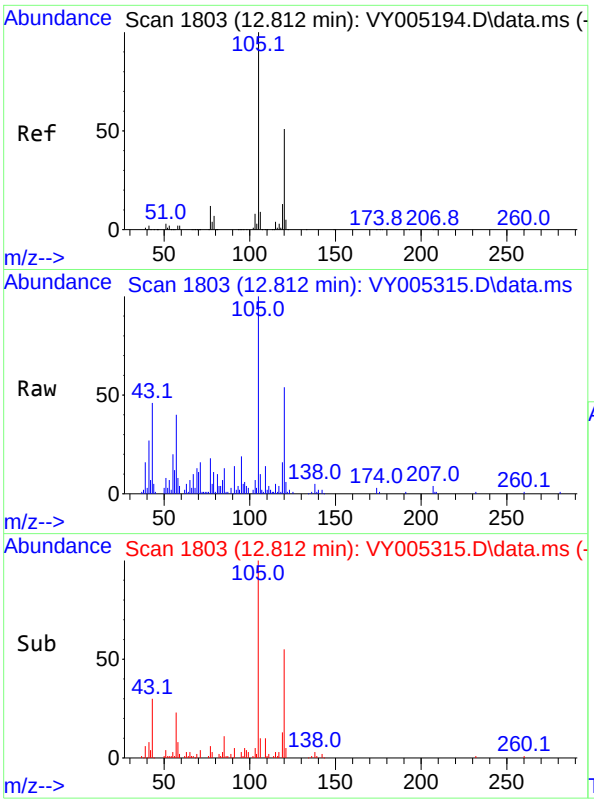
#78
n-propylbenzene
Concen: 2.707 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion: 91 Resp: 23418

Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.4	37.0



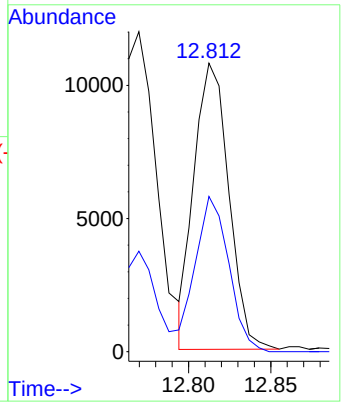
Instrument :
MSVOA_Y
ClientSampleId :
FS-04

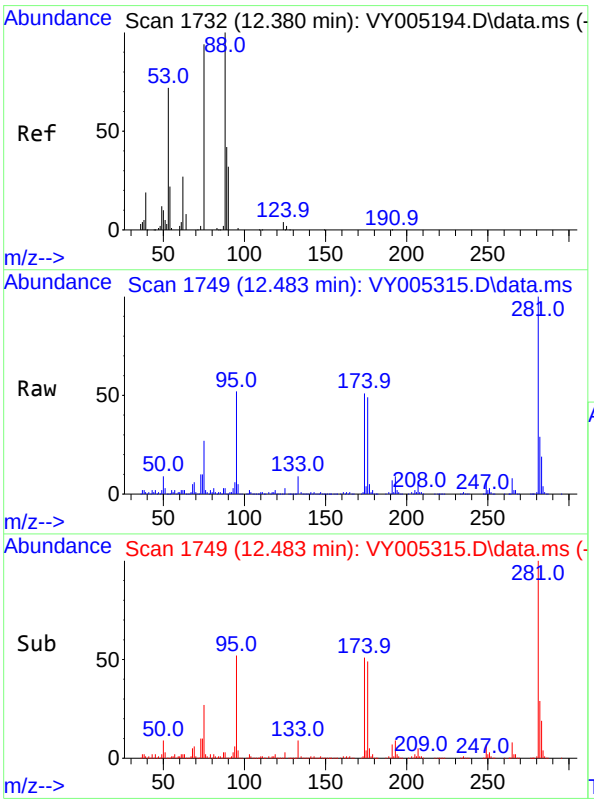


#80
1,3,5-Trimethylbenzene
Concen: 2.596 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion:105 Resp: 15758

Ion	Ratio	Lower	Upper
105	100		
120	53.5	25.9	77.7

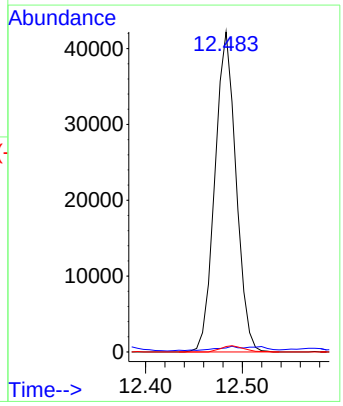




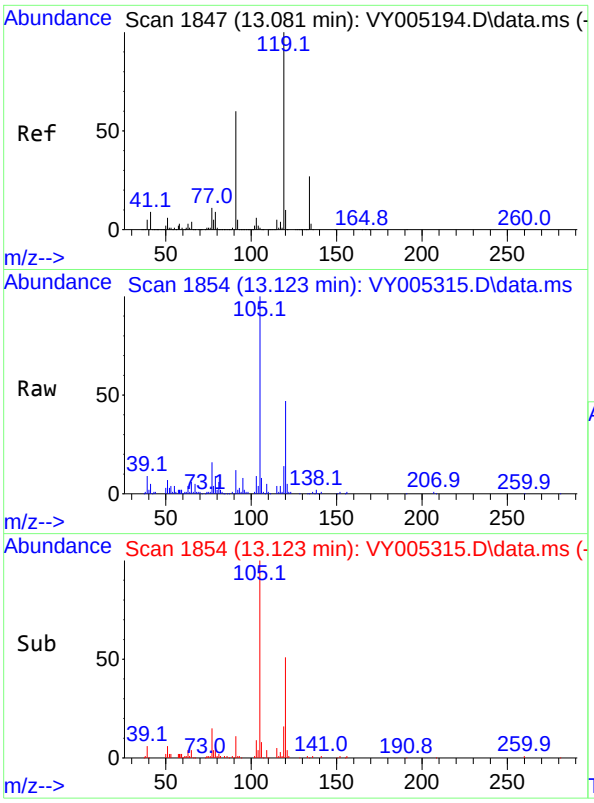
#81
trans-1,4-Dichloro-2-butene
Concen: 118.935 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion: 75 Resp: 63955

Ion	Ratio	Lower	Upper
75	100		
53	1.8	63.0	94.4#
89	2.1	38.0	57.0#



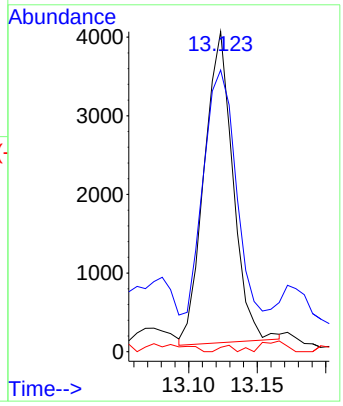
Instrument :
MSVOA_Y
ClientSampleId :
FS-04

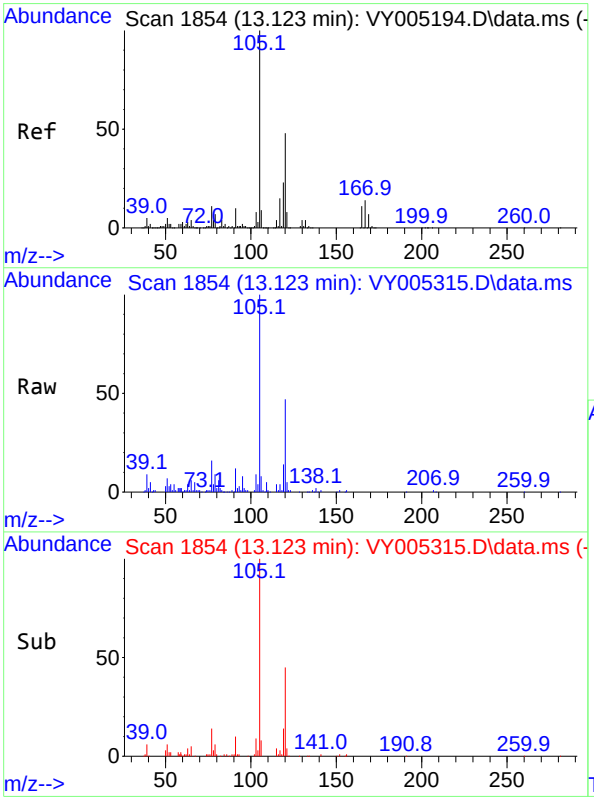


#83
tert-Butylbenzene
Concen: 1.069 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.043 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion:119 Resp: 5786

Ion	Ratio	Lower	Upper
119	100		
91	86.0	29.5	88.5
134	0.0	13.5	40.5#

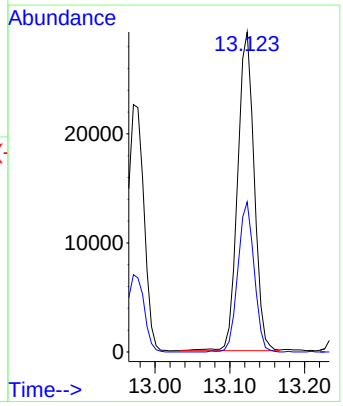




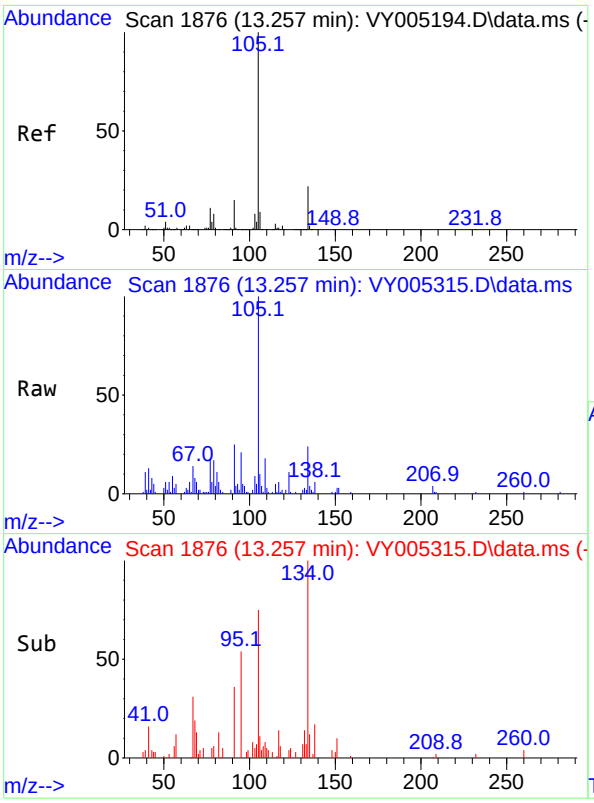
#84
1,2,4-Trimethylbenzene
Concen: 7.483 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion:105 Resp: 44904

Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.6	71.0



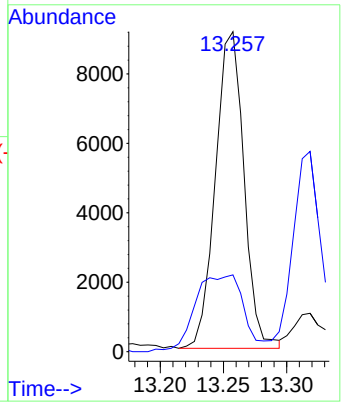
Instrument :
MSVOA_Y
ClientSampleId :
FS-04

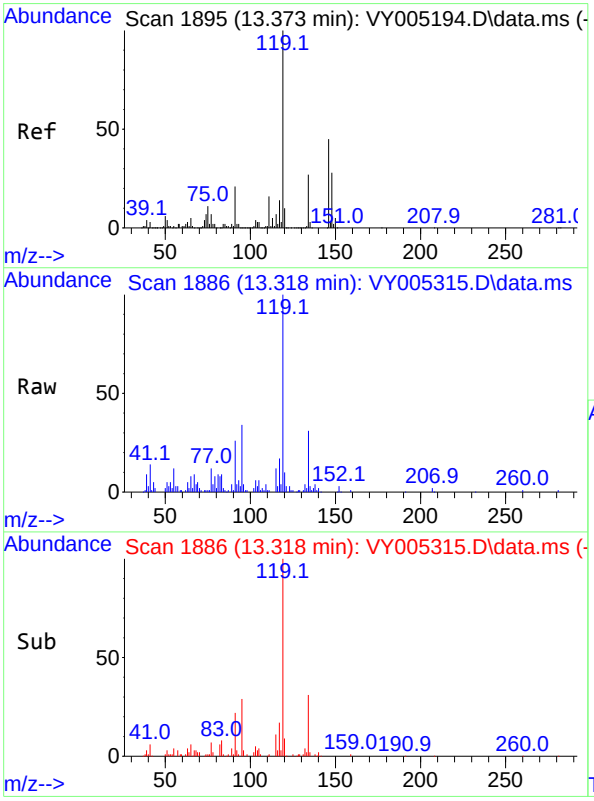


#85
sec-Butylbenzene
Concen: 1.815 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion:105 Resp: 14292

Ion	Ratio	Lower	Upper
105	100		
134	41.0	10.9	32.6#

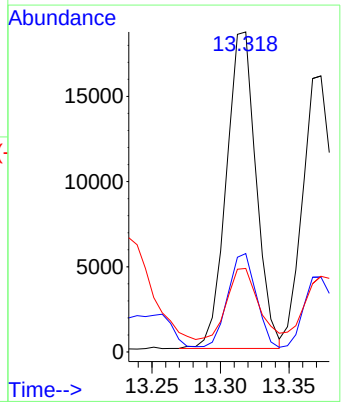




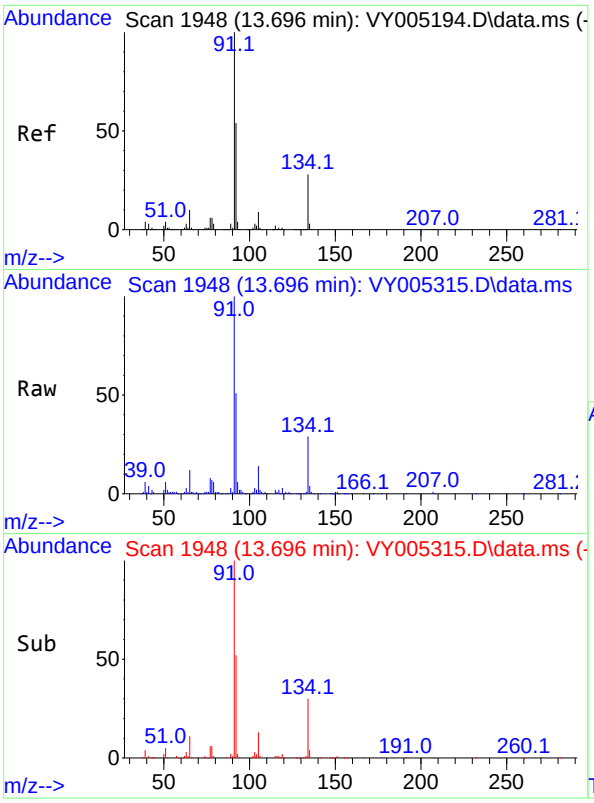
#86
p-Isopropyltoluene
Concen: 4.144 ug/l
RT: 13.318 min Scan# 1886
Delta R.T. -0.055 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion:119 Resp: 28147

Ion	Ratio	Lower	Upper
119	100		
134	30.2	13.9	41.6
91	23.1	10.8	32.3



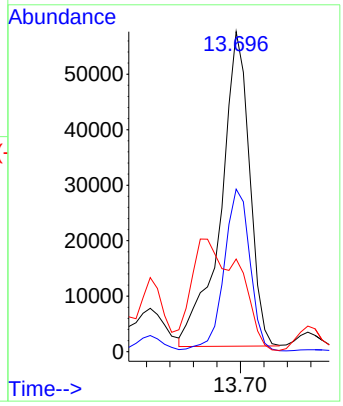
Instrument :
MSVOA_Y
ClientSampleId :
FS-04

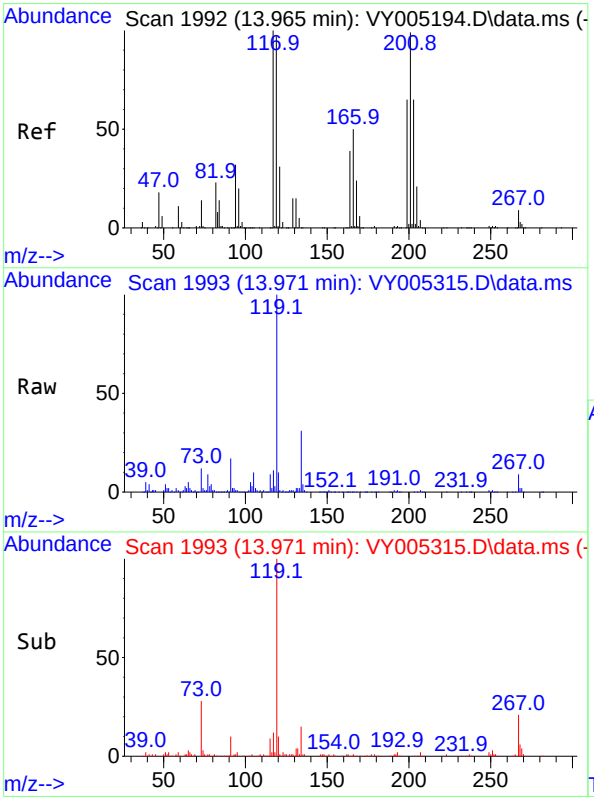


#89
n-Butylbenzene
Concen: 16.156 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion: 91 Resp: 96403

Ion	Ratio	Lower	Upper
91	100		
92	46.4	27.0	81.0
134	0.0	14.6	44.0#

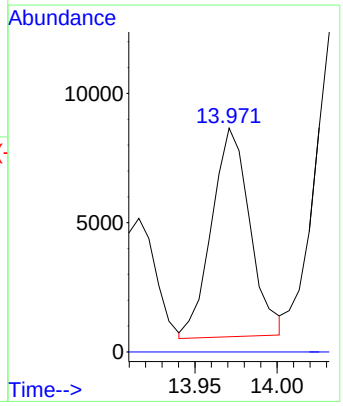




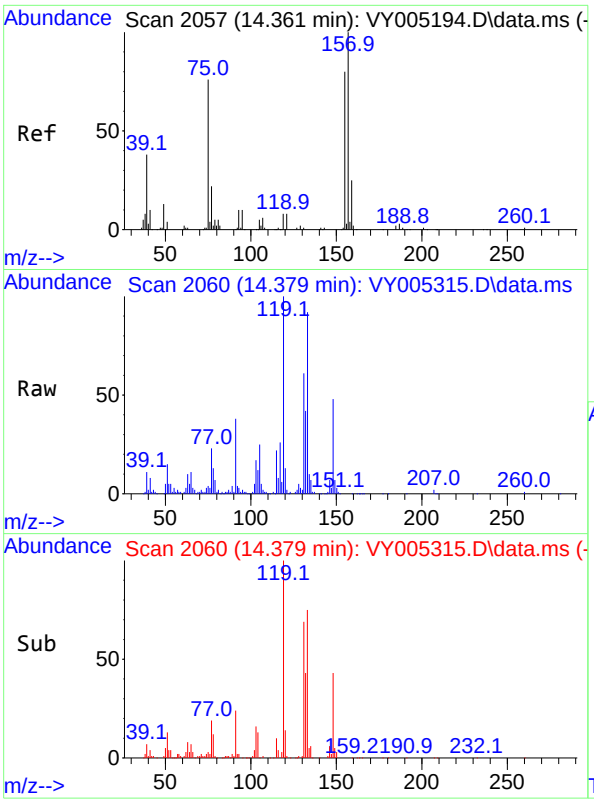
#90
Hexachloroethane
Concen: 10.666 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion:117 Resp: 13087

Ion	Ratio	Lower	Upper
117	100		
201	0.0	49.4	148.2#



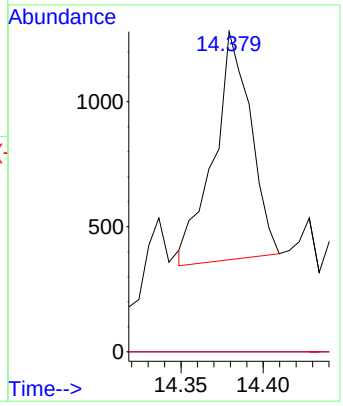
Instrument :
MSVOA_Y
ClientSampleId :
FS-04

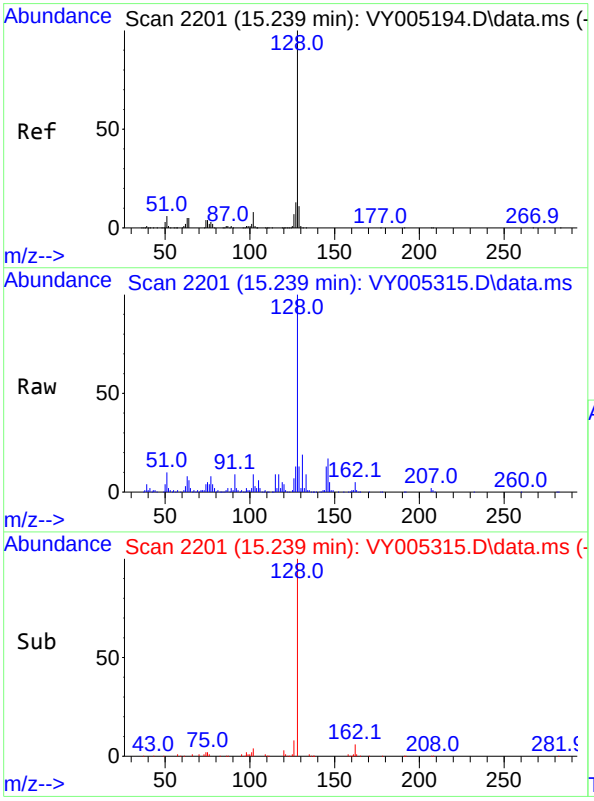


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.926 ug/l
RT: 14.379 min Scan# 2060
Delta R.T. 0.018 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion: 75 Resp: 1427

Ion	Ratio	Lower	Upper
75	100		
155	0.0	52.4	157.3#
157	0.0	67.3	201.8#





#95
Naphthalene
Concen: 20.048 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY005315.D
Acq: 01 Jul 2021 15:39

Tgt Ion:128 Resp: 85938

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	13.0	8.7	13.1