

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082421\
 Data File : VY005819.D
 Acq On : 24 Aug 2021 14:00
 Operator : SY/MD
 Sample : M3463-15
 Misc : 4.03G/5ML/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SWCS-16-0204

Quant Time: Aug 25 04:29:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 03 04:52:05 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

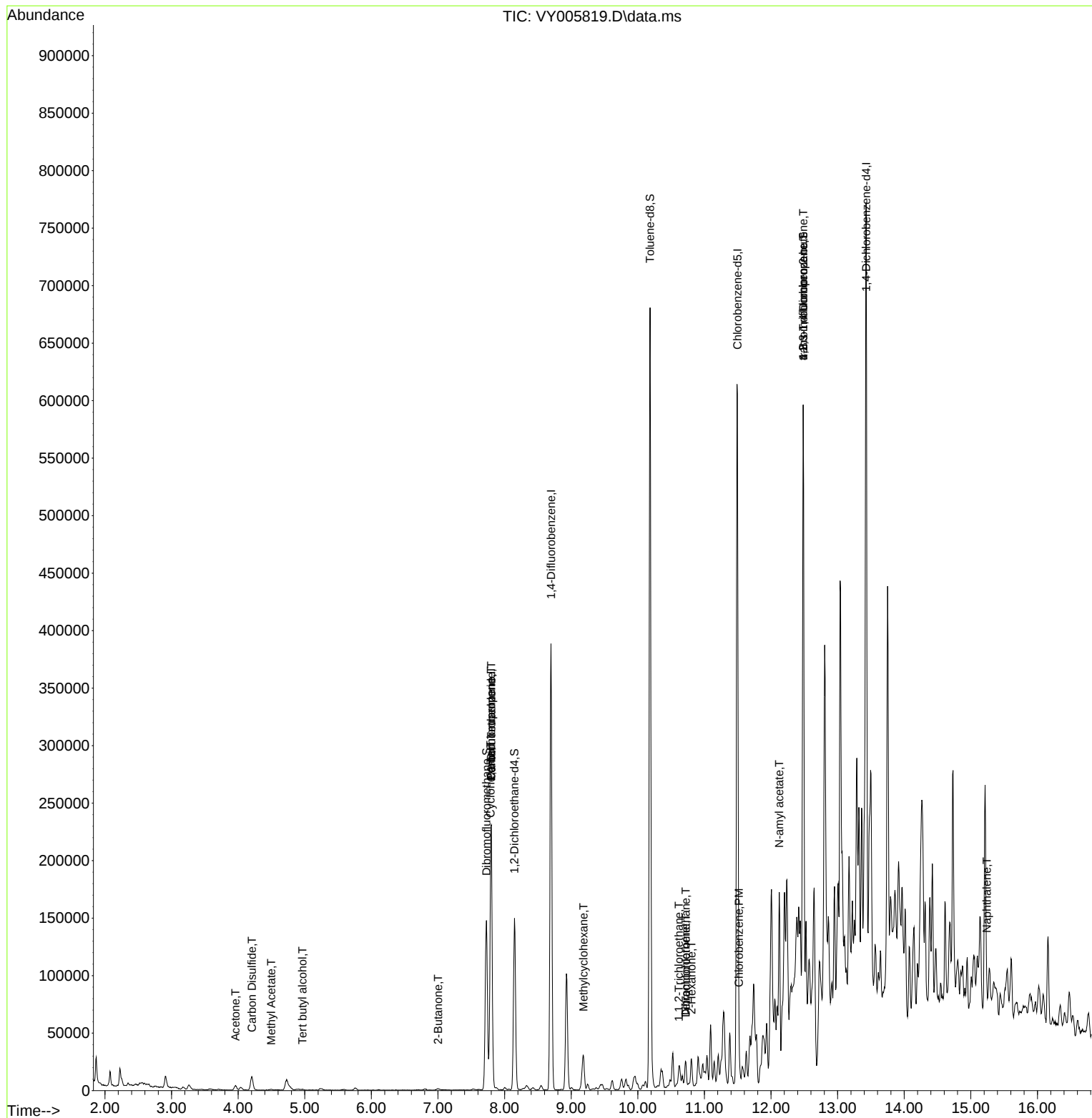
Internal Standards						
1) Pentafluorobenzene	7.801	168	186485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	323789	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	328867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	148534	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	118518	62.785	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.560%	
35) Dibromofluoromethane	7.728	113	98583	54.381	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.760%	
50) Toluene-d8	10.185	98	418497	55.045	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.080%	
62) 4-Bromofluorobenzene	12.483	95	146738	58.283	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 116.560%	
Target Compounds						
11) Tert butyl alcohol	4.966	59	1318	7.063	ug/l	Qvalue # 73
16) Acetone	3.960	43	6694	14.065	ug/l	89
17) Carbon Disulfide	4.204	76	23729	4.790	ug/l	97
18) Methyl Acetate	4.497	43	1595	1.281	ug/l	96
20) Methylene Chloride	4.728	84	6384	Below Cal		93
25) 2-Butanone	7.002	43	1079	1.534	ug/l	99
31) Cyclohexane	7.789	56	4930	1.523	ug/l	# 46
36) 1,1-Dichloropropene	7.795	75	13339	4.392	ug/l	# 50
38) Carbon Tetrachloride	7.801	117	17473	5.294	ug/l	# 16
39) Methylcyclohexane	9.185	83	6182	1.600	ug/l	# 45
55) 1,1,2-Trichloroethane	10.618	97	7119	4.090	ug/l	# 22
59) 2-Hexanone	10.807	43	9789	7.550	ug/l	# 30
60) Dibromochloromethane	10.721	129	2342	1.087	ug/l	# 11
64) Tetrachloroethene	10.721	164	3142	1.255	ug/l	97
65) Chlorobenzene	11.520	112	9022	1.363	ug/l	99
74) N-amyl acetate	12.123	43	34579	11.079	ug/l	# 57
76) 1,2,3-Trichloropropane	12.483	75	78360	50.908	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	78360	102.624	ug/l	# 11
95) Naphthalene	15.239	128	6026	1.014	ug/l	# 60

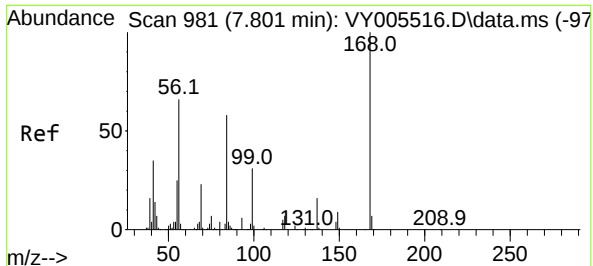
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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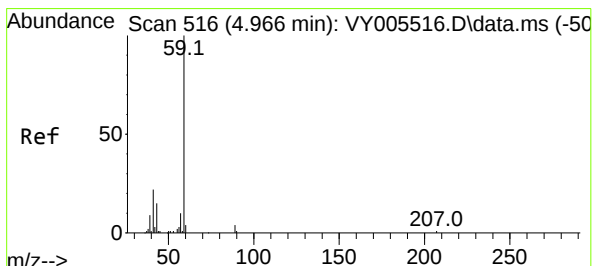
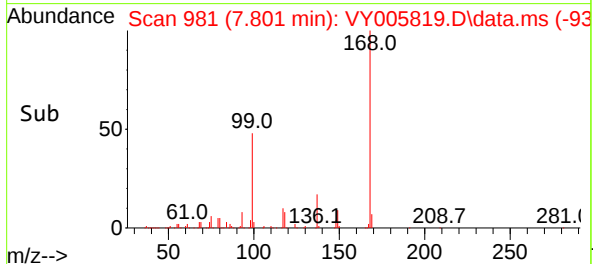
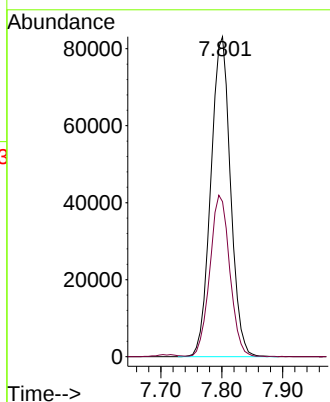
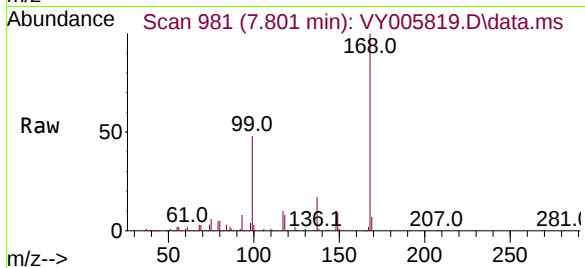




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

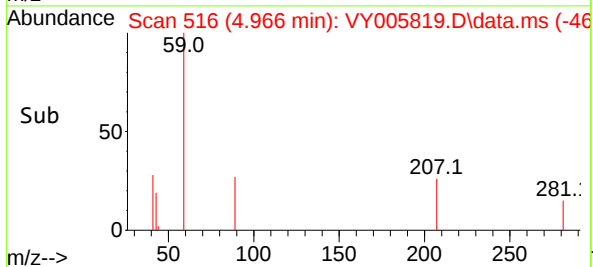
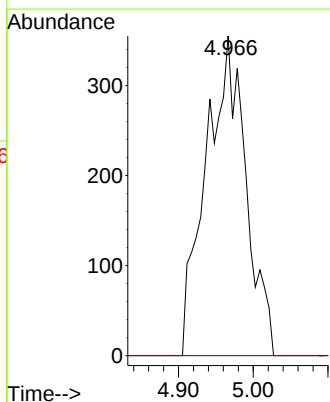
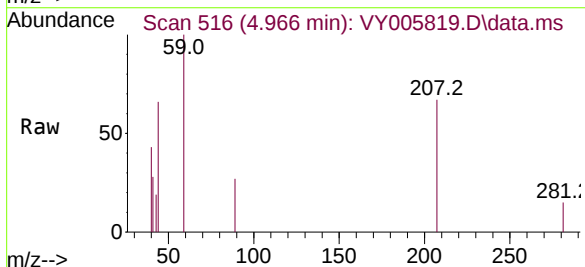
Instrument :
MSVOA_Y
ClientSampleId :
SWCS-16-0204

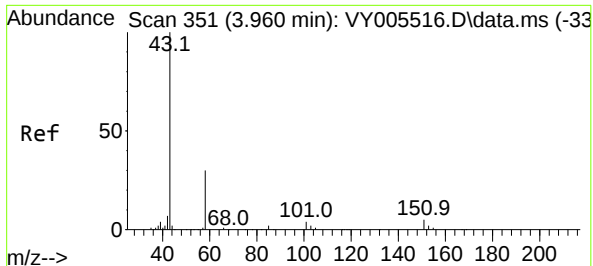
Tgt Ion:168 Resp: 186485
Ion Ratio Lower Upper
168 100
99 48.5 38.9 58.3



#11
Tert butyl alcohol
Concen: 7.063 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.000 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

Tgt Ion: 59 Resp: 1318
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

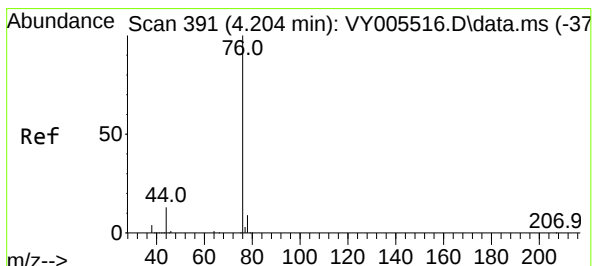
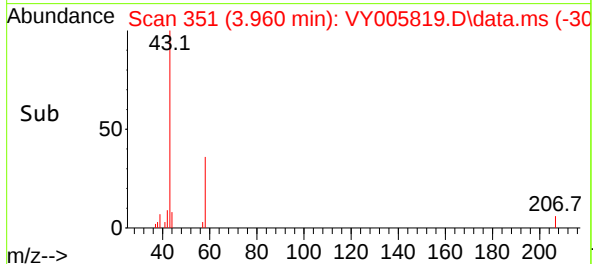
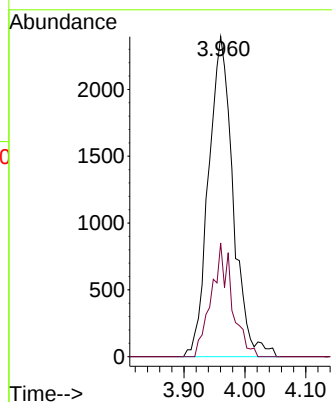
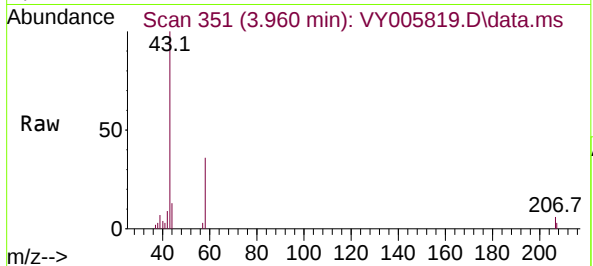




#16
Acetone
Concen: 14.065 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

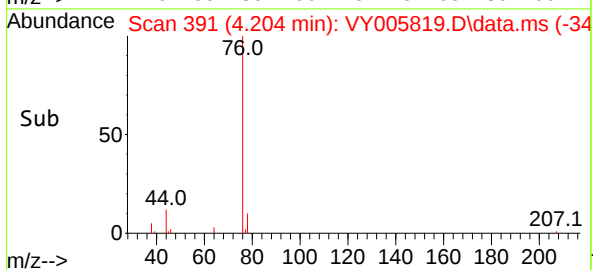
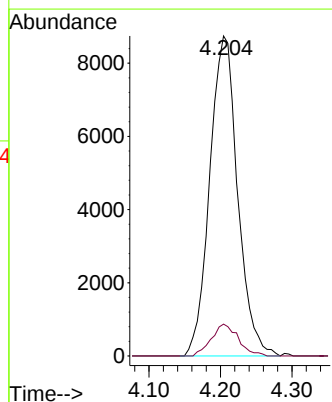
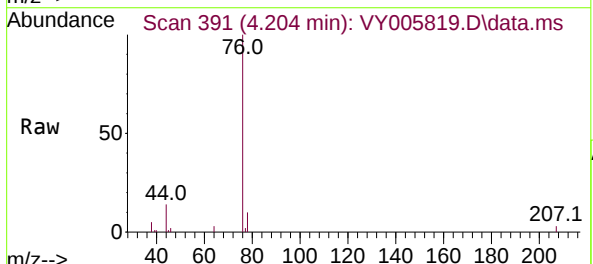
Instrument :
MSVOA_Y
ClientSampleId :
SWCS-16-0204

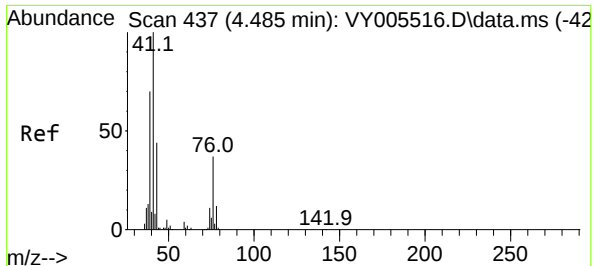
Tgt Ion: 43 Resp: 6694
Ion Ratio Lower Upper
43 100
58 35.5 23.8 35.6



#17
Carbon Disulfide
Concen: 4.790 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

Tgt Ion: 76 Resp: 23729
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.6

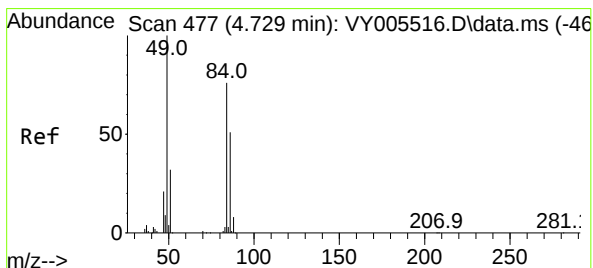
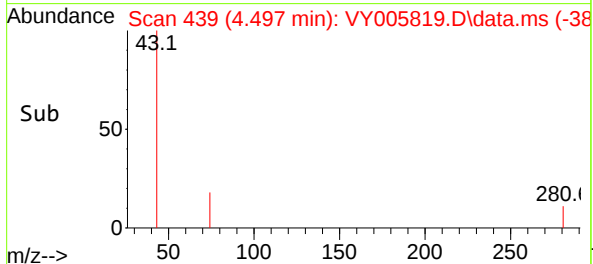
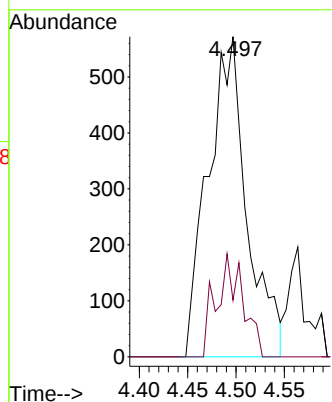
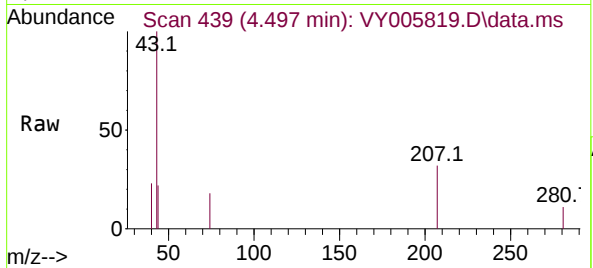




#18
Methyl Acetate
Concen: 1.281 ug/l
RT: 4.497 min Scan# 439
Delta R.T. 0.012 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

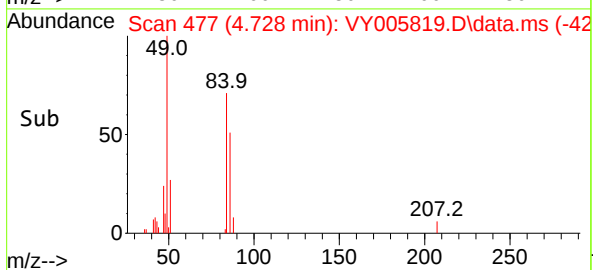
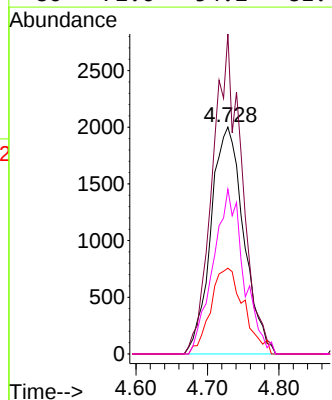
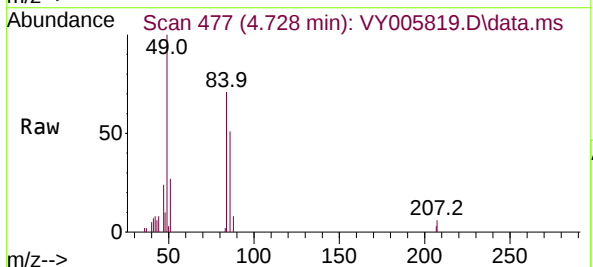
Instrument :
MSVOA_Y
ClientSampleId :
SWCS-16-0204

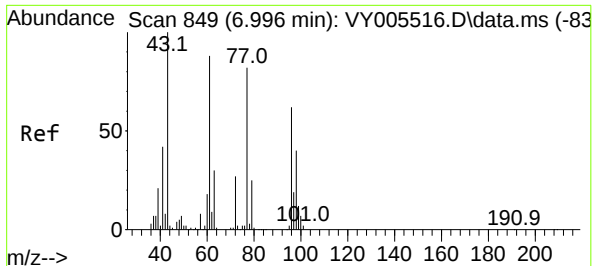
Tgt Ion: 43 Resp: 1595
Ion Ratio Lower Upper
43 100
74 21.8 19.0 28.6



#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

Tgt Ion: 84 Resp: 6384
Ion Ratio Lower Upper
84 100
49 141.1 105.8 158.6
51 37.8 33.4 50.2
86 72.6 54.2 81.4





#25

2-Butanone

Concen: 1.534 ug/l

RT: 7.002 min Scan# 850

Delta R.T. 0.006 min

Lab File: VY005819.D

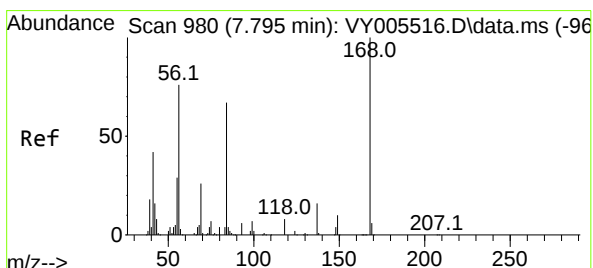
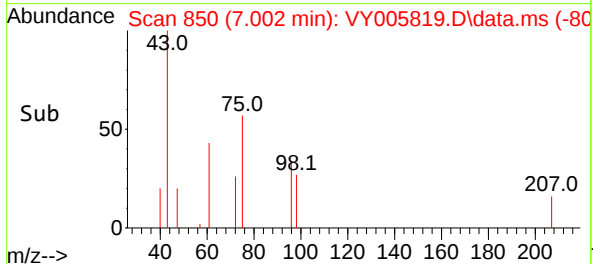
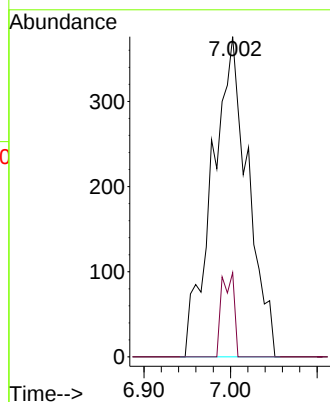
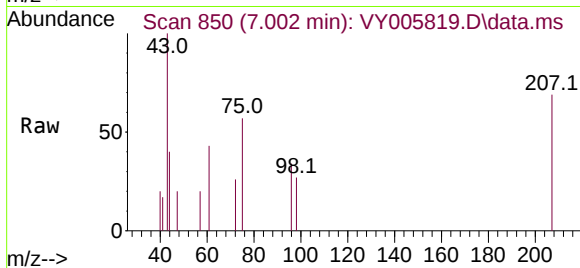
Acq: 24 Aug 2021 14:00

Instrument :
MSVOA_Y
ClientSampleId :
SWCS-16-0204

Tgt Ion: 43 Resp: 1079

Ion Ratio Lower Upper

43	100		
72	26.3	21.4	32.2



#31

Cyclohexane

Concen: 1.523 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.006 min

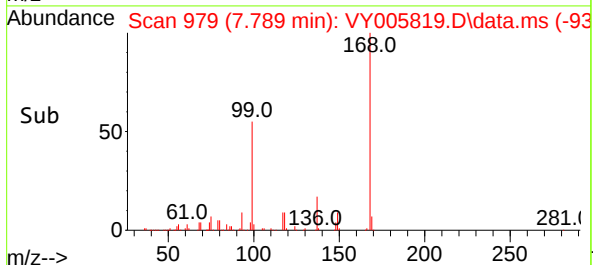
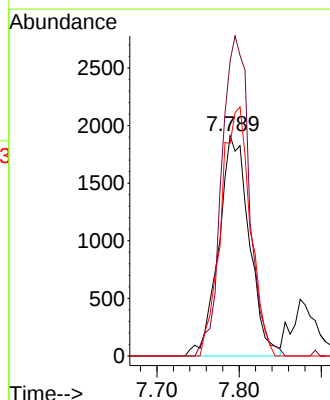
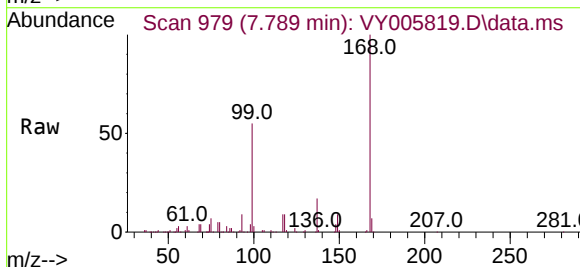
Lab File: VY005819.D

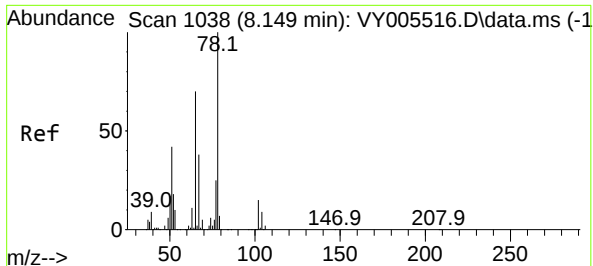
Acq: 24 Aug 2021 14:00

Tgt Ion: 56 Resp: 4930

Ion Ratio Lower Upper

56	100		
69	133.9	27.7	41.5#
84	96.5	70.9	106.3

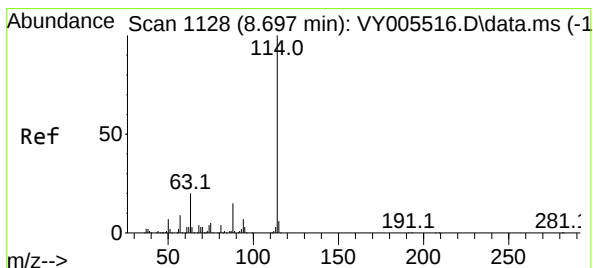
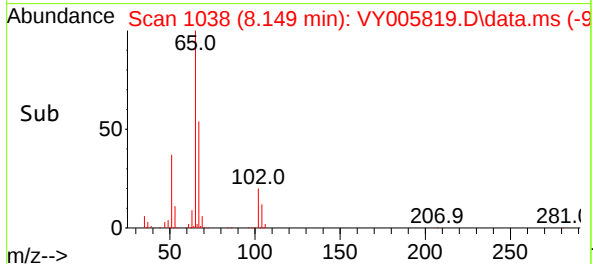
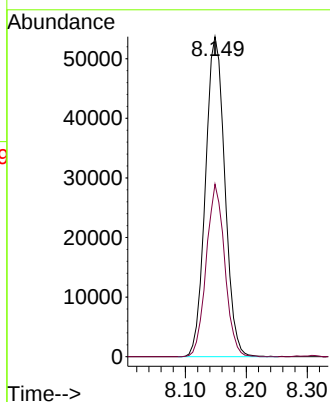
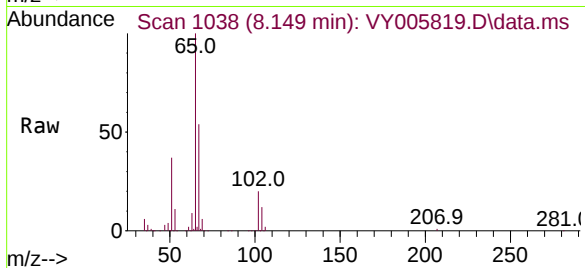




#33
 1,2-Dichloroethane-d4
 Concen: 62.785 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. -0.000 min
 Lab File: VY005819.D
 Acq: 24 Aug 2021 14:00

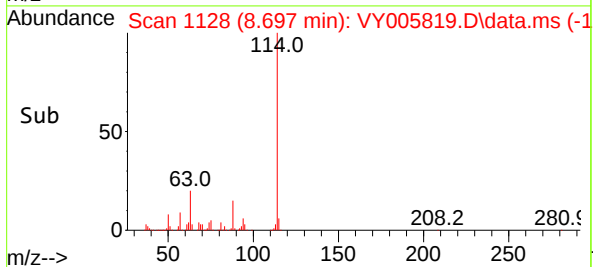
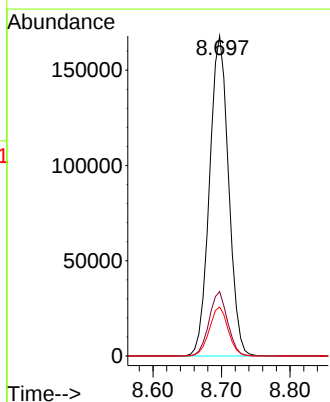
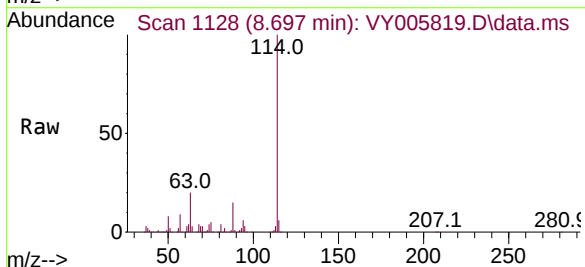
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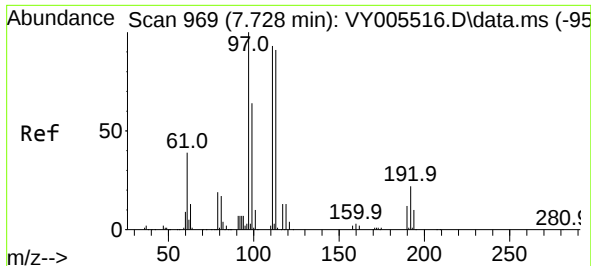
Tgt Ion: 65 Resp: 118518
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. -0.000 min
 Lab File: VY005819.D
 Acq: 24 Aug 2021 14:00

Tgt Ion: 114 Resp: 323789
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 39.2
 88 15.3 0.0 30.8

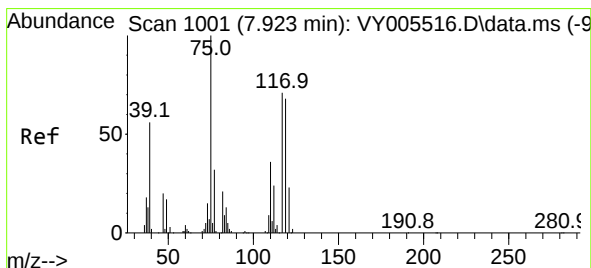
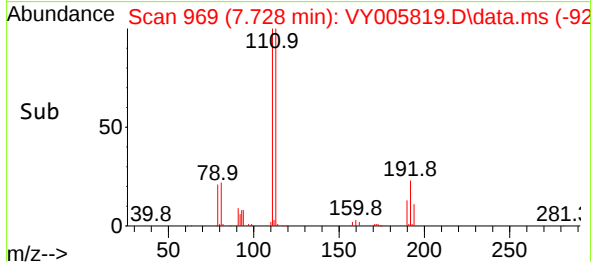
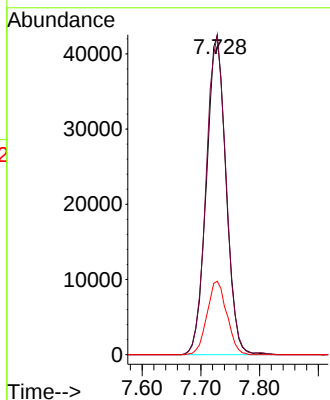
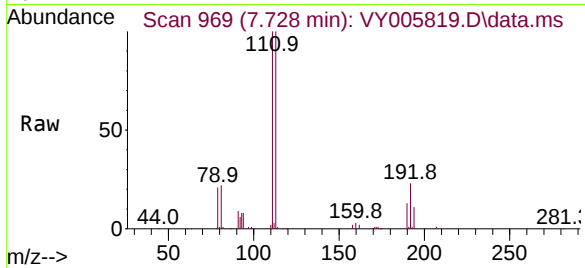




#35
Dibromofluoromethane
Concen: 54.381 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

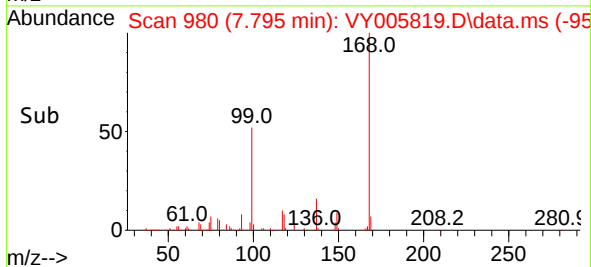
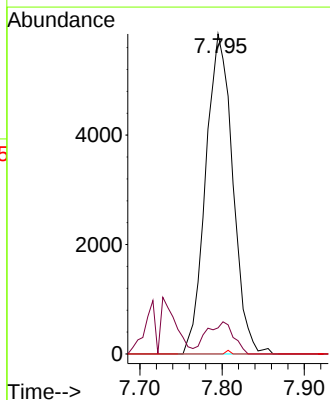
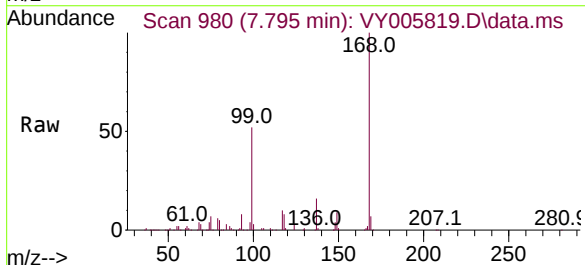
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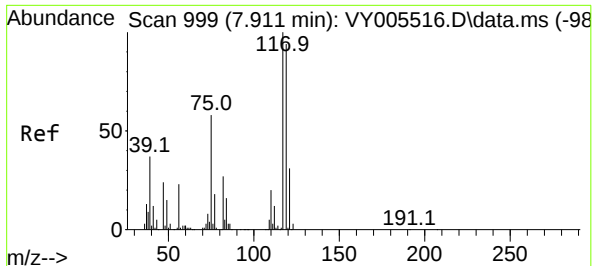
Tgt Ion:113 Resp: 98583
Ion Ratio Lower Upper
113 100
111 101.3 81.9 122.9
192 23.2 19.2 28.8



#36
1,1-Dichloropropene
Concen: 4.392 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

Tgt Ion: 75 Resp: 13339
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.1#
77 0.2 25.1 37.7#

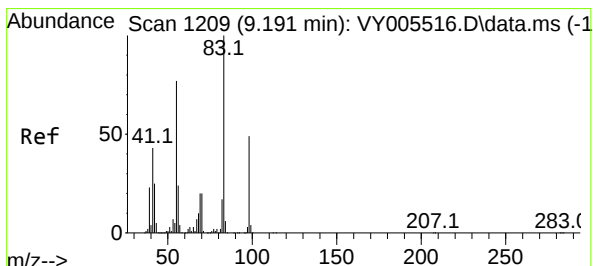
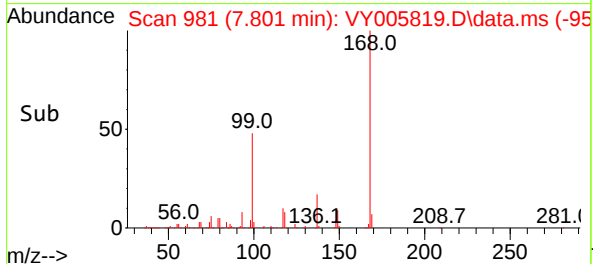
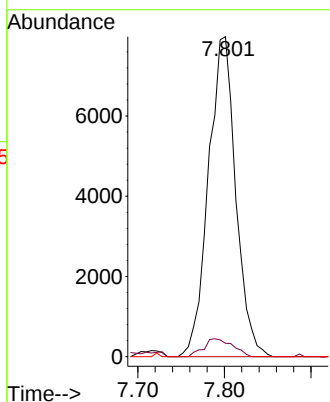
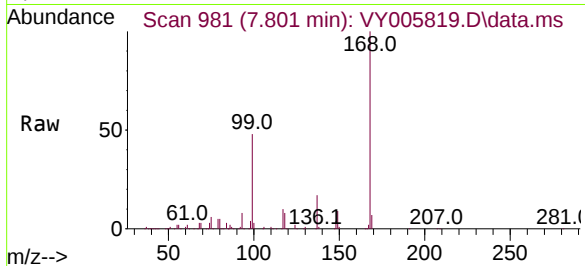




#38
Carbon Tetrachloride
Concen: 5.294 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

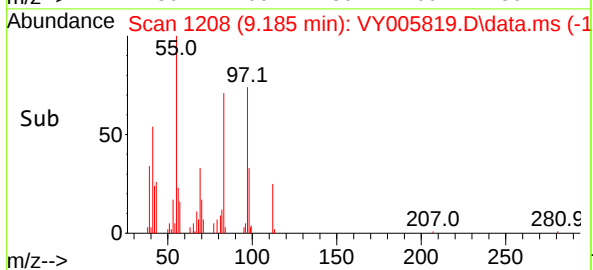
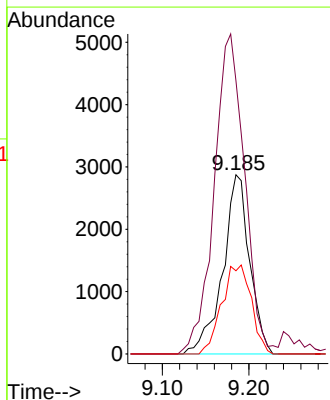
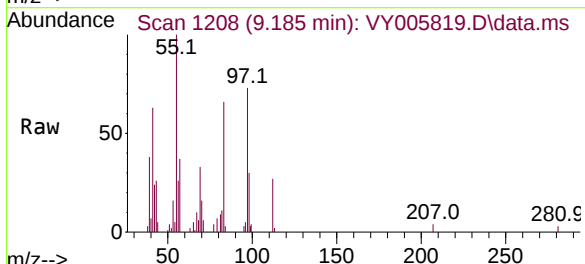
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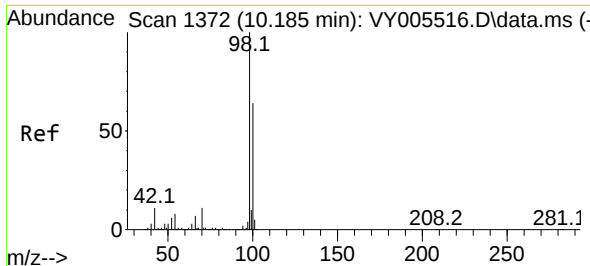
Tgt Ion:117 Resp: 17473
Ion Ratio Lower Upper
117 100
119 4.2 75.4 113.0#
121 0.0 25.1 37.7#



#39
Methylcyclohexane
Concen: 1.600 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.006 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

Tgt Ion: 83 Resp: 6182
Ion Ratio Lower Upper
83 100
55 152.4 61.7 92.5#
98 46.4 38.9 58.3

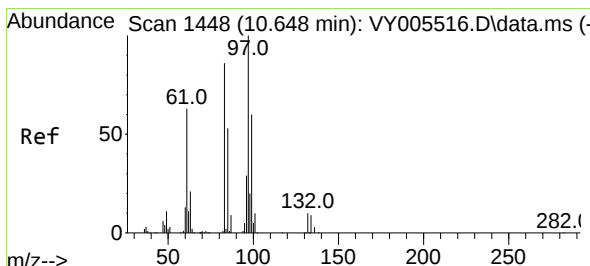
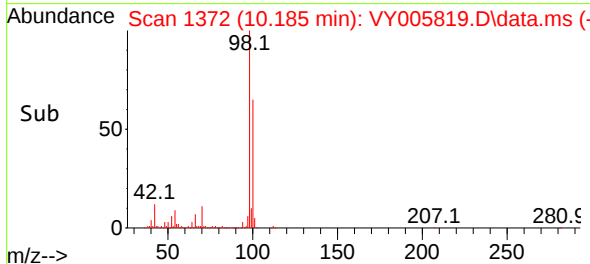
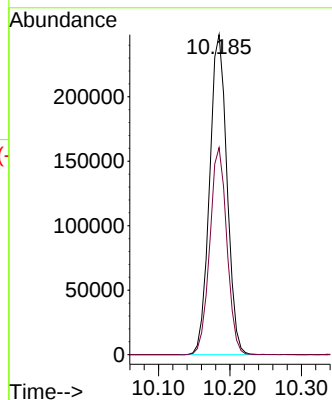
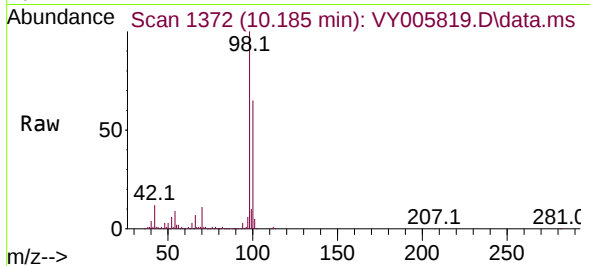




#50
Toluene-d8
Concen: 55.045 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

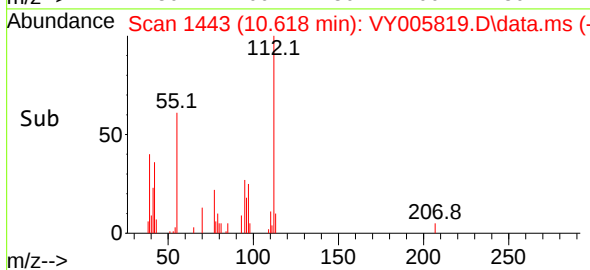
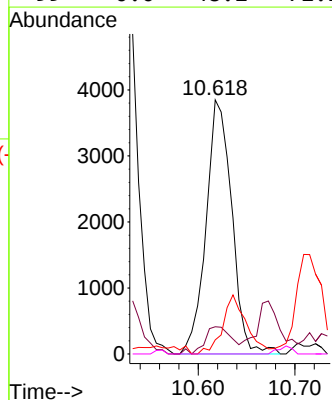
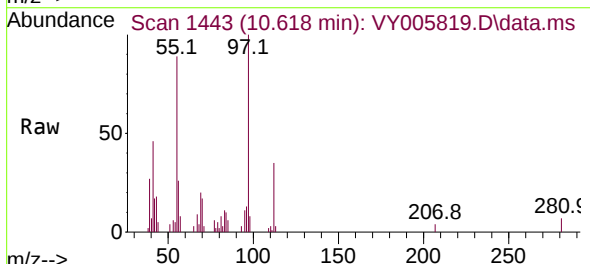
Instrument :
MSVOA_Y
ClientSampleId :
SWCS-16-0204

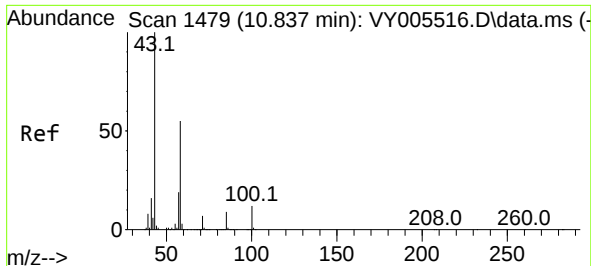
Tgt Ion: 98 Resp: 418497
Ion Ratio Lower Upper
98 100
100 63.5 51.3 76.9



#55
1,1,2-Trichloroethane
Concen: 4.090 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.031 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

Tgt Ion: 97 Resp: 7119
Ion Ratio Lower Upper
97 100
83 10.7 68.7 103.1#
85 4.0 42.4 63.6#
99 0.0 48.2 72.2#

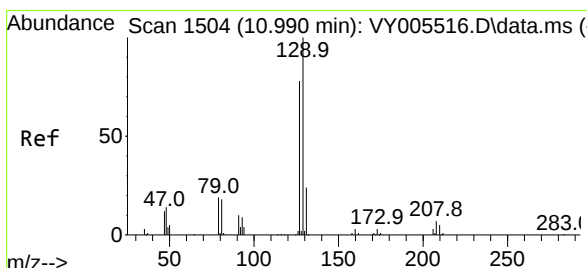
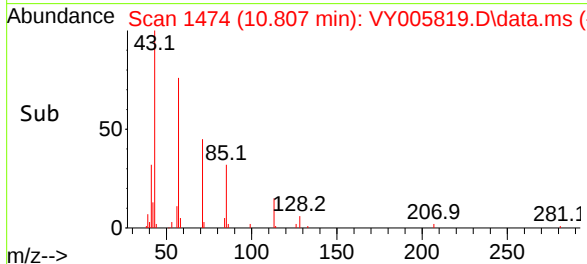
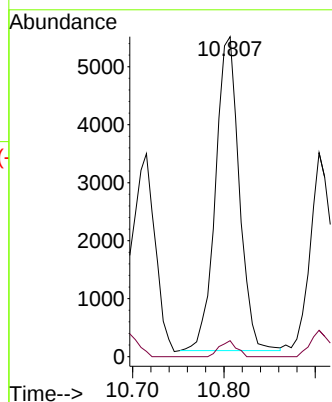
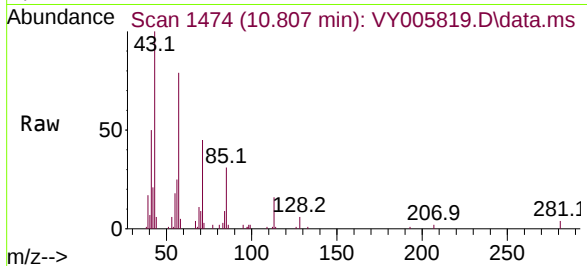




#59
2-Hexanone
Concen: 7.550 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.031 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

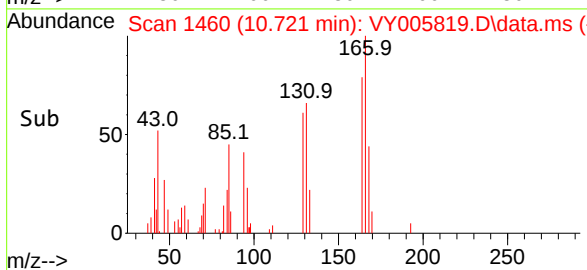
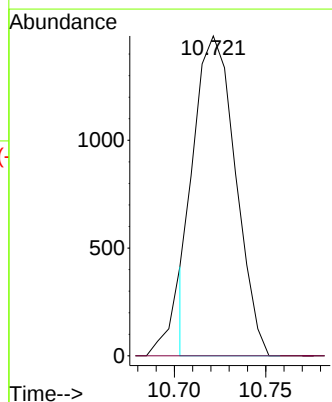
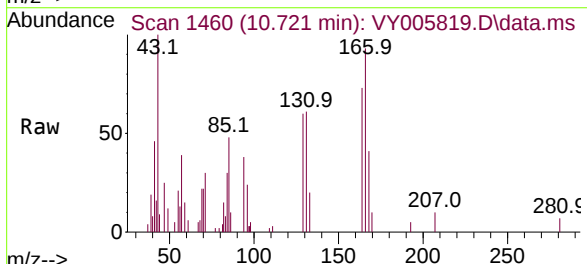
Instrument :
MSVOA_Y
ClientSampleId :
SWCS-16-0204

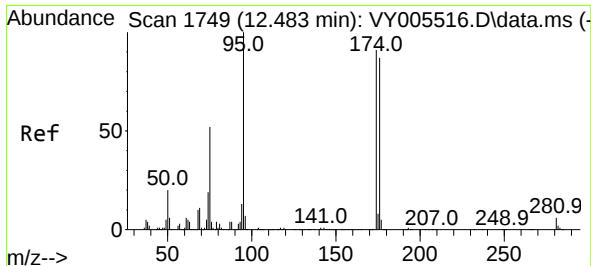
Tgt Ion: 43 Resp: 9789
Ion Ratio Lower Upper
43 100
58 3.6 27.1 81.2#



#60
Dibromochloromethane
Concen: 1.087 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.268 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

Tgt Ion: 129 Resp: 2342
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.7#

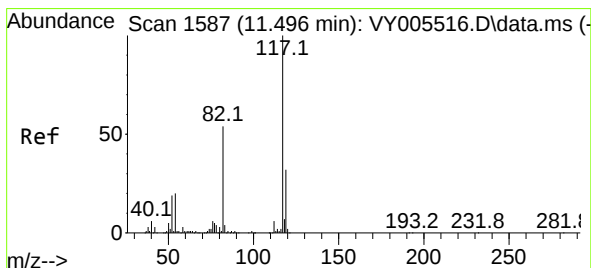
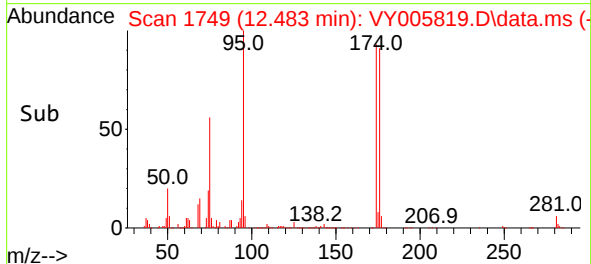
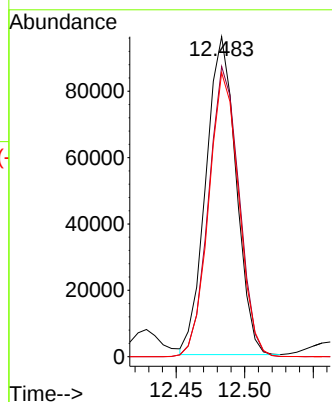
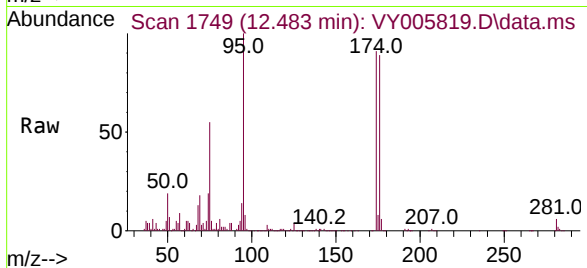




#62
4-Bromofluorobenzene
Concen: 58.283 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

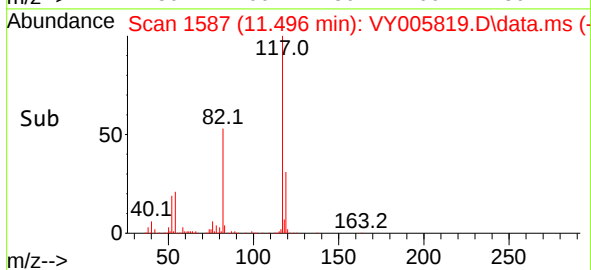
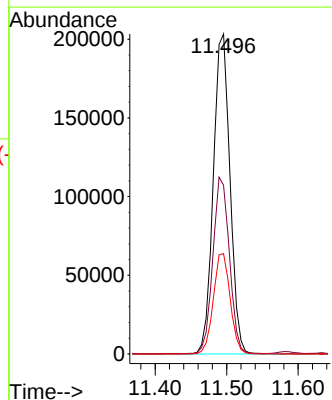
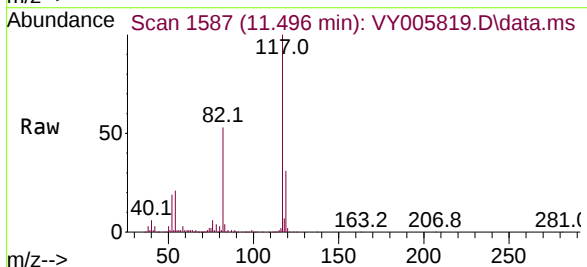
Instrument :
MSVOA_Y
ClientSampleId :
SWCS-16-0204

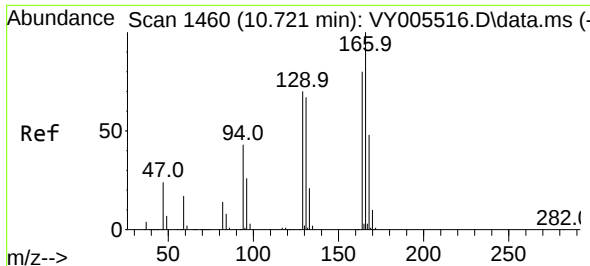
Tgt Ion: 95 Resp: 146738
Ion Ratio Lower Upper
95 100
174 91.8 0.0 191.4
176 89.0 0.0 183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

Tgt Ion: 117 Resp: 328867
Ion Ratio Lower Upper
117 100
82 52.6 43.5 65.3
119 31.4 25.5 38.3

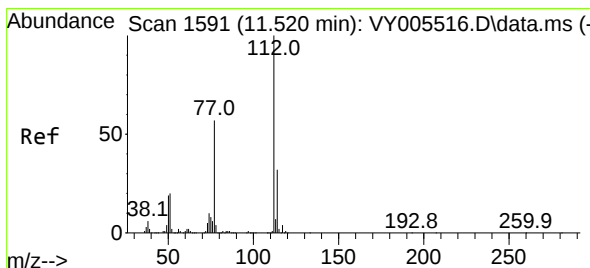
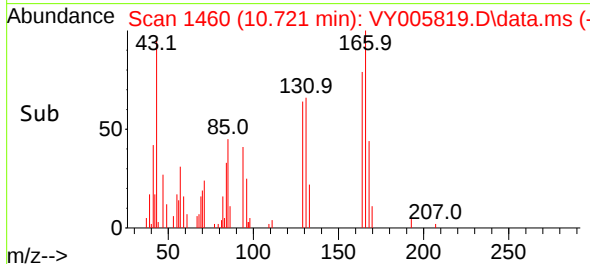
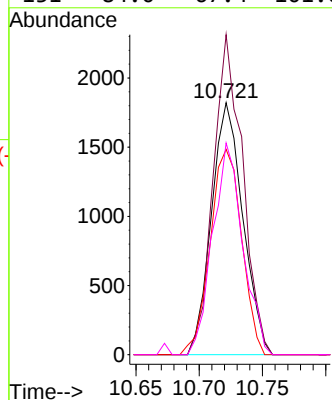
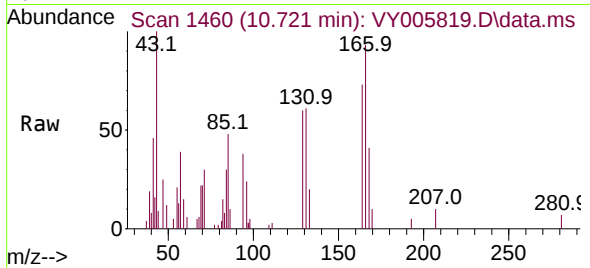




#64
Tetrachloroethene
Concen: 1.255 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

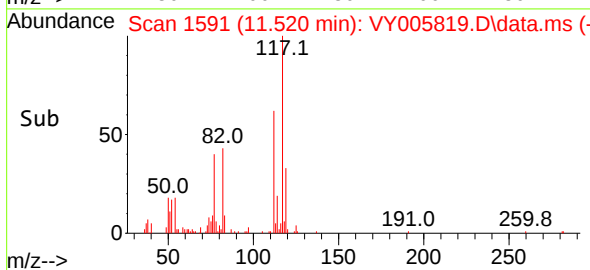
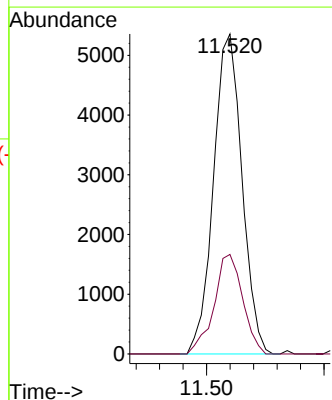
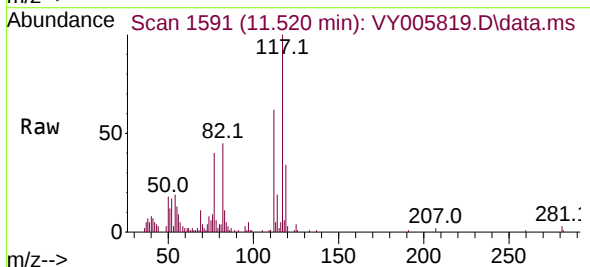
Instrument :
MSVOA_Y
ClientSampleId :
SWCS-16-0204

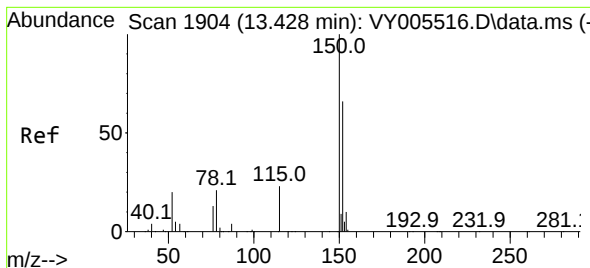
Tgt Ion:	164	Resp:	3142
Ion	Ratio	Lower	Upper
164	100		
166	126.9	99.8	149.8
129	81.4	70.1	105.1
131	84.0	67.4	101.0



#65
Chlorobenzene
Concen: 1.363 ug/l
RT: 11.520 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

Tgt Ion:	112	Resp:	9022
Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.2	37.8

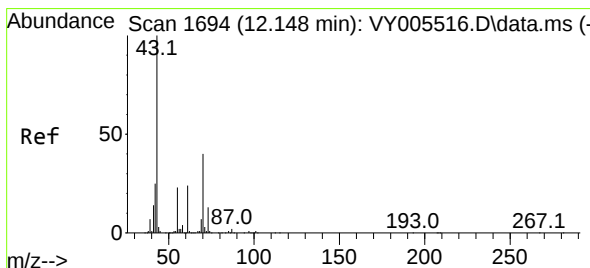
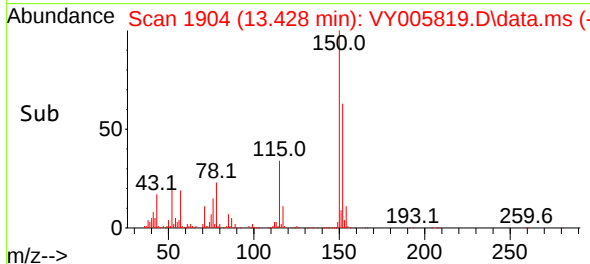
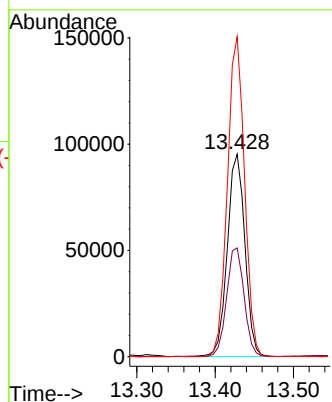
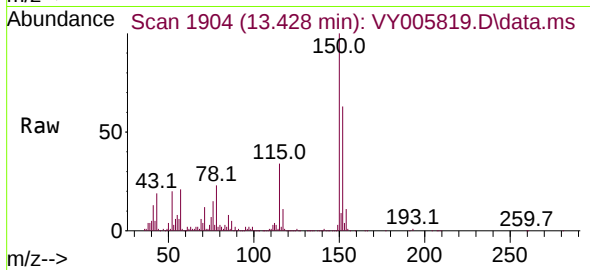




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

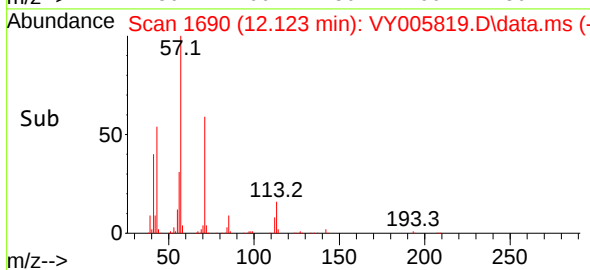
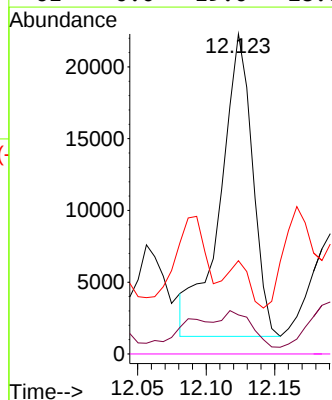
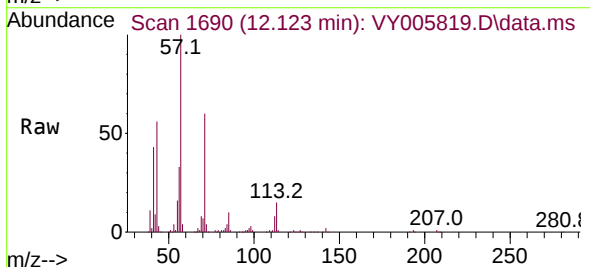
Instrument :
MSVOA_Y
ClientSampleId :
SWCS-16-0204

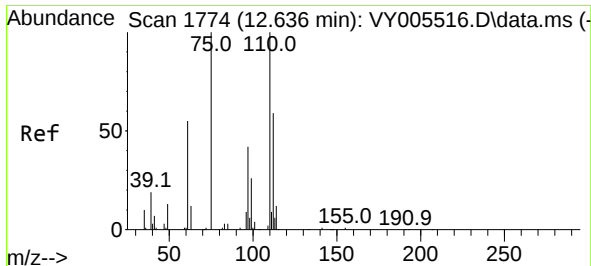
Tgt Ion:152 Resp: 148534
Ion Ratio Lower Upper
152 100
115 53.4 27.3 81.9
150 154.2 0.0 350.2



#74
N-ethyl acetate
Concen: 11.079 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

Tgt Ion: 43 Resp: 34579
Ion Ratio Lower Upper
43 100
70 11.1 32.9 49.3#
55 9.4 18.9 28.3#
61 0.0 19.0 28.6#

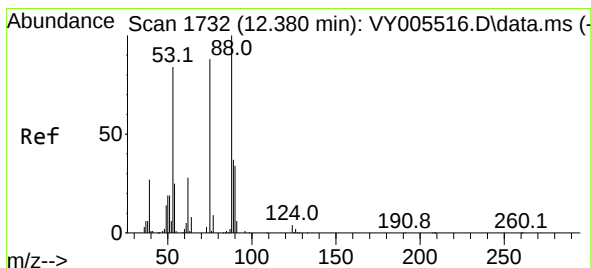
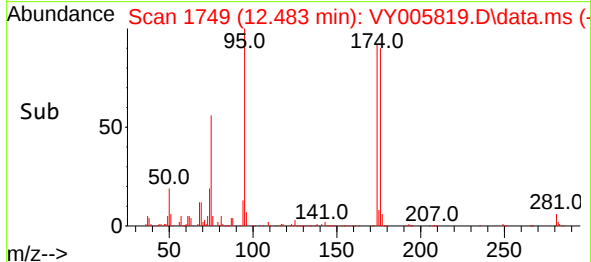
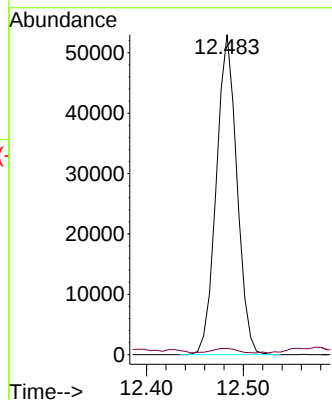
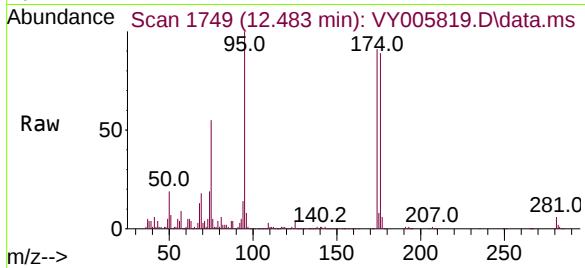




#76
1,2,3-Trichloropropane
Concen: 50.908 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

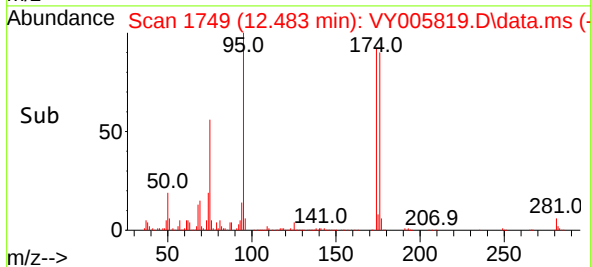
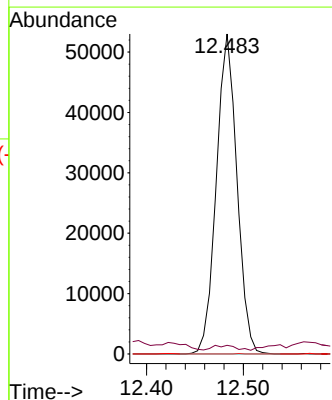
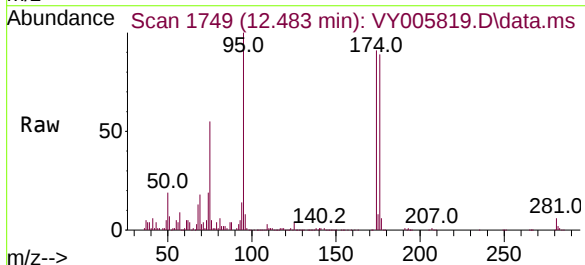
Instrument :
MSVOA_Y
ClientSampleId :
SWCS-16-0204

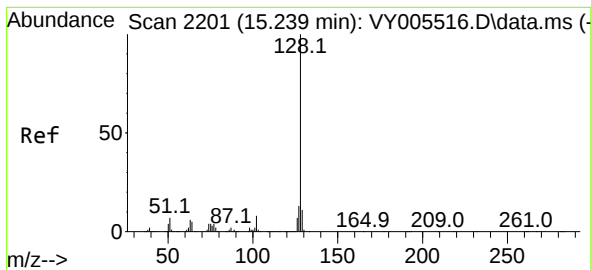
Tgt Ion: 75 Resp: 78360
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.624 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

Tgt Ion: 75 Resp: 78360
Ion Ratio Lower Upper
75 100
53 0.0 76.7 115.1#
89 0.0 38.4 57.6#





#95
Naphthalene
Concen: 1.014 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY005819.D
Acq: 24 Aug 2021 14:00

Instrument :
MSVOA_Y
ClientSampleId :
SWCS-16-0204

Tgt Ion:128 Resp: 6026
Ion Ratio Lower Upper
128 100
127 36.9 10.6 15.8#
129 17.3 8.7 13.1#

