

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051421\
 Data File : VW019002.D
 Acq On : 14 May 2021 16:39
 Operator : SY/VA
 Sample : M2250-03
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT3-2021-05

Manual Integrations
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Quant Time: May 15 00:03:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM051421SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 14 12:03:14 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	595132	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	548353	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	262619	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	141035	23.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.16%
7) Chloroethane-d5	2.892	69	123256	21.11	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.44%
11) 1,1-Dichloroethene-d2	4.025	63	217920	15.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.04%
21) 2-Butanone-d5	7.080	46	76898	48.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.42%
24) Chloroform-d	7.647	84	337640	22.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.68%
26) 1,2-Dichloroethane-d4	8.305	65	179842	22.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.88%
32) Benzene-d6	8.275	84	693476	22.65	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.60%
36) 1,2-Dichloropropane-d6	9.275	67	201740	22.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.92%
41) Toluene-d8	10.323	98	649414	22.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.52%
43) trans-1,3-Dichloroprop...	10.579	79	83721	21.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.84%
47) 2-Hexanone-d5	10.927	63	64888	48.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.84%
56) 1,1,2,2-Tetrachloroeth...	12.689	84	156097	22.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.84%
66) 1,2-Dichlorobenzene-d4	13.853	152	211861	23.35	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.40%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.008	85	4241	0.70	ug/L	98
3) Chloromethane	2.215	50	5287	0.87	ug/L	96
5) Vinyl chloride	2.367	62	8053	1.03	ug/L #	62
6) Bromomethane	2.782	94	5582	0.86	ug/L	97
8) Chloroethane	2.928	64	5079	0.93	ug/L	98
9) Trichlorofluoromethane	3.270	101	4189	0.73	ug/L	90
10) 1,1,2-Trichloro-1,2,2-...	4.074	101	9207m	1.17	ug/L	
12) 1,1-Dichloroethene	4.050	96	8671	1.13	ug/L #	1
13) Acetone	4.129	43	7854	5.81	ug/L	88
14) Carbon disulfide	4.385	76	17375	0.81	ug/L	97
15) Methyl Acetate	4.678	43	3217m	1.15	ug/L	
16) Methylene chloride	4.916	84	58125	5.82	ug/L	93
17) trans-1,2-Dichloroethene	5.428	96	7295	0.87	ug/L	88
18) Methyl tert-butyl Ether	5.428	73	8995	0.89	ug/L #	82
19) 1,1-Dichloroethane	6.220	63	13035	0.89	ug/L	97
20) cis-1,2-Dichloroethene	7.171	96	7886	0.89	ug/L	97
22) 2-Butanone	7.165	43	6215m	3.34	ug/L	
23) Bromochloromethane	7.519	128	3279	0.86	ug/L	88
25) Chloroform	7.677	83	14942	0.99	ug/L	85

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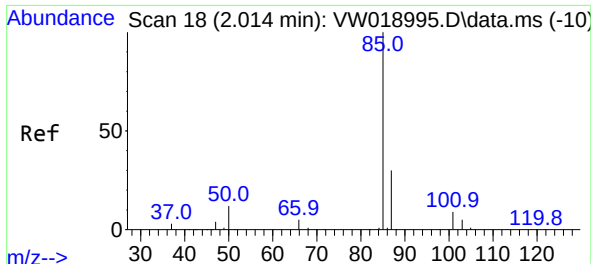
Manual Integrations
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Quant Time: May 15 00:03:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM051421SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 14 12:03:14 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.409	62	9023	0.96	ug/L #	94
29) Cyclohexane	7.958	56	11304	0.86	ug/L	99
30) 1,1,1-Trichloroethane	7.872	97	10532	0.88	ug/L #	81
31) Carbon tetrachloride	8.067	117	9259	0.85	ug/L	99
33) Benzene	8.323	78	30598	0.91	ug/L	100
34) Trichloroethene	9.092	95	7899	0.89	ug/L	92
35) Methylcyclohexane	9.335	83	13257	0.86	ug/L	98
37) 1,2-Dichloropropane	9.372	63	7250	0.90	ug/L #	91
38) Bromodichloromethane	9.640	83	8930	0.85	ug/L	98
39) cis-1,3-Dichloropropene	10.073	75	9934	0.82	ug/L	95
40) 4-Methyl-2-pentanone	10.213	43	10075	2.40	ug/L	96
42) Toluene	10.390	91	42326	1.15	ug/L	99
44) trans-1,3-Dichloropropene	10.604	75	12593	1.19	ug/L	95
45) 1,1,2-Trichloroethane	10.786	97	5196	0.88	ug/L	95
46) Tetrachloroethene	10.860	164	6509	0.92	ug/L	96
48) 2-Hexanone	10.969	43	4663	1.71	ug/L #	95
49) Dibromochloromethane	11.128	129	5491	0.83	ug/L	91
50) 1,2-Dibromoethane	11.238	107	4624	0.84	ug/L #	98
51) Chlorobenzene	11.658	112	20433	0.90	ug/L	99
52) Ethylbenzene	11.731	91	35137	0.86	ug/L	97
53) m,p-Xylene	11.835	106	13520	0.88	ug/L	92
54) o-Xylene	12.164	106	11512	0.80	ug/L	91
55) Styrene	12.183	104	18372	0.75	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.713	83	6765	0.99	ug/L #	80
59) Bromoform	12.347	173	2676	0.79	ug/L	93
60) Isopropylbenzene	12.463	105	31220	0.82	ug/L	99
61) 1,2,3-Trichloropropane	12.774	75	4393	0.93	ug/L	95
62) 1,3,5-Trimethylbenzene	12.945	105	25398	0.82	ug/L	98
63) 1,2,4-Trimethylbenzene	13.249	105	27110	0.87	ug/L	100
64) 1,3-Dichlorobenzene	13.499	146	15420	0.93	ug/L	99
65) 1,4-Dichlorobenzene	13.579	146	15421	0.93	ug/L	97
67) 1,2-Dichlorobenzene	13.865	146	13938	0.95	ug/L #	91
68) 1,2-Dibromo-3-chloropr...	14.481	75	965m	0.95	ug/L	
69) 1,3,5-Trichlorobenzene	14.627	180	10687	0.88	ug/L	94
70) 1,2,4-trichlorobenzene	15.127	180	8729	0.90	ug/L	97
71) Naphthalene	15.365	128	15139	0.87	ug/L	100
72) 1,2,3-Trichlorobenzene	15.548	180	8192	0.96	ug/L	93

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



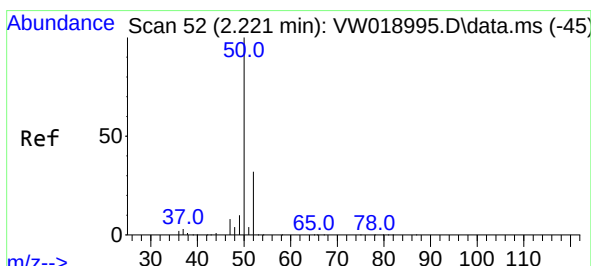
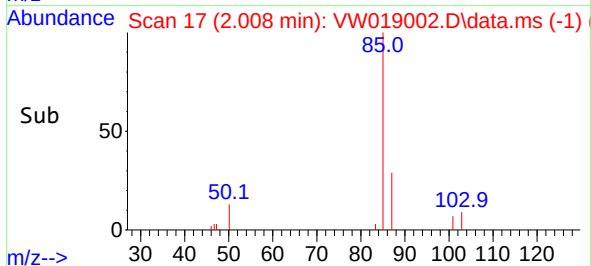
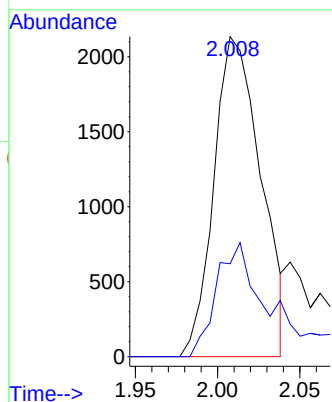
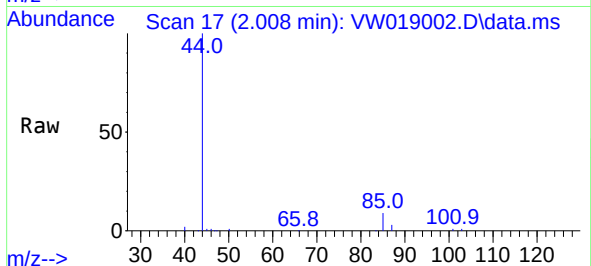
#2
Dichlorodifluoromethane
Concen: 0.70 ug/L
RT: 2.008 min Scan# 17
Delta R.T. -0.006 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion: 85 Resp: 4241
Ion Ratio Lower Upper
85 100
87 30.0 23.3 34.9

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2021-05

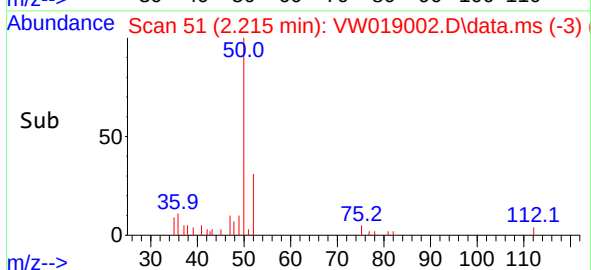
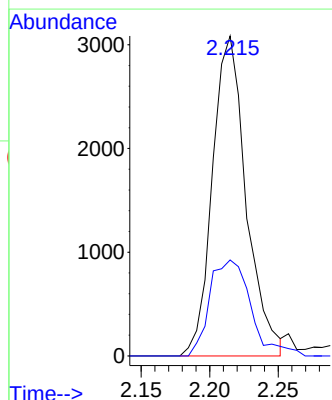
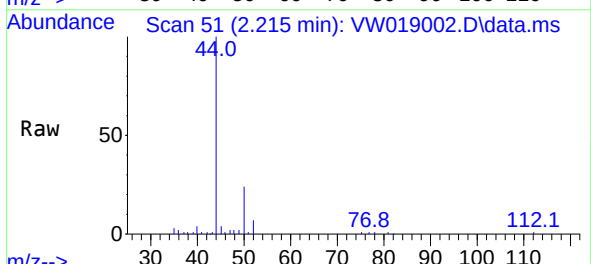
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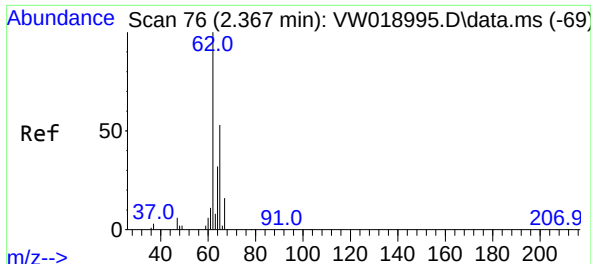
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#3
Chloromethane
Concen: 0.87 ug/L
RT: 2.215 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

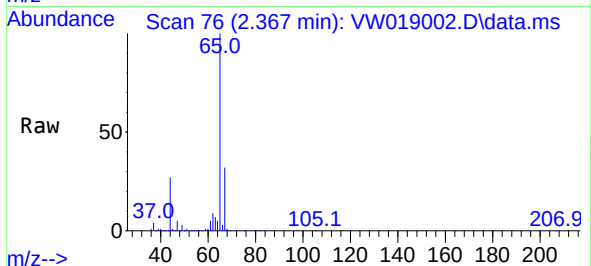
Tgt Ion: 50 Resp: 5287
Ion Ratio Lower Upper
50 100
52 30.0 22.5 41.9





#5
 Vinyl chloride
 Concen: 1.03 ug/L
 RT: 2.367 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VW019002.D
 Acq: 14 May 2021 16:39

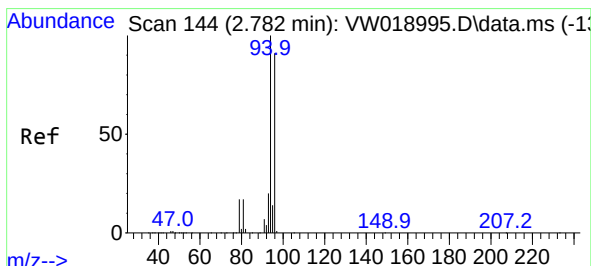
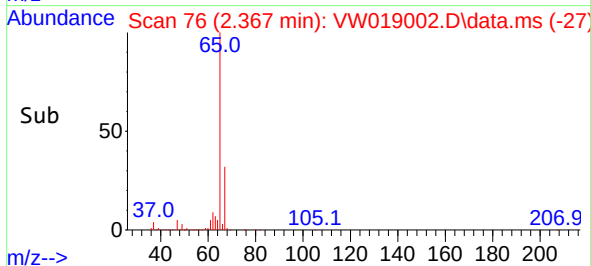
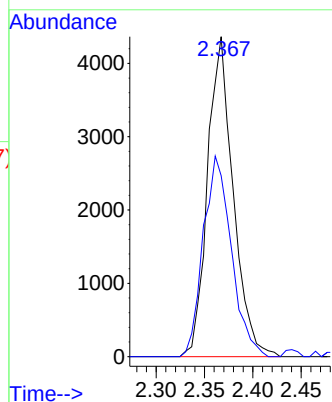
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT3-2021-05



Tgt Ion: 62 Resp: 8053
 Ion Ratio Lower Upper
 62 100
 64 56.6 24.2 45.0#

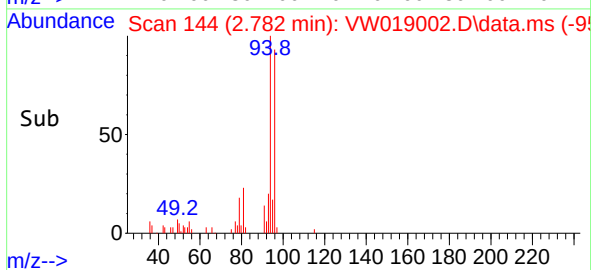
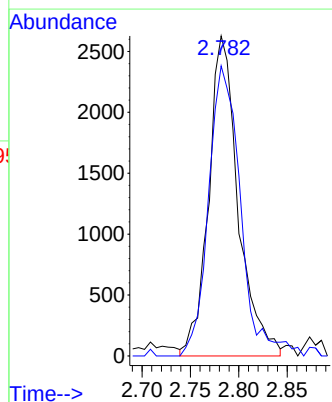
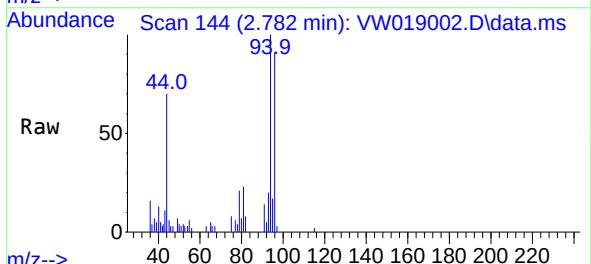
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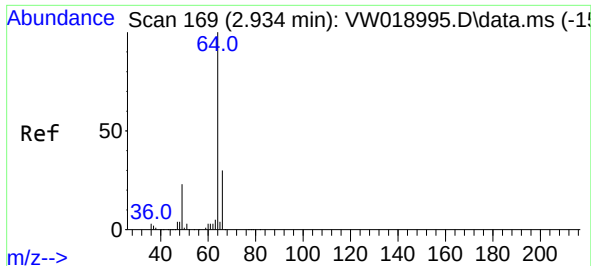
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#6
 Bromomethane
 Concen: 0.86 ug/L
 RT: 2.782 min Scan# 144
 Delta R.T. 0.000 min
 Lab File: VW019002.D
 Acq: 14 May 2021 16:39

Tgt Ion: 94 Resp: 5582
 Ion Ratio Lower Upper
 94 100
 96 90.7 65.3 121.3





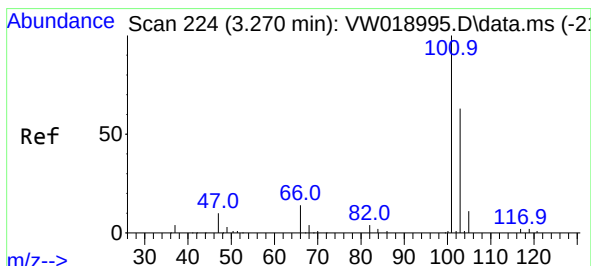
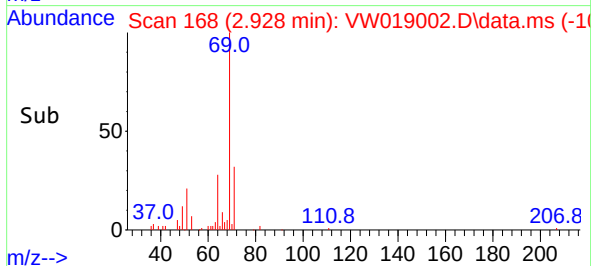
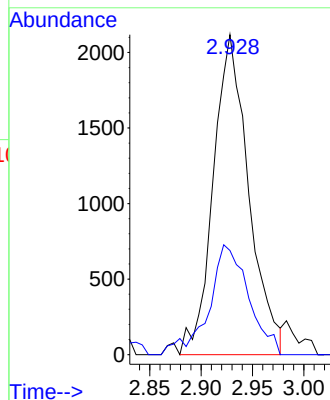
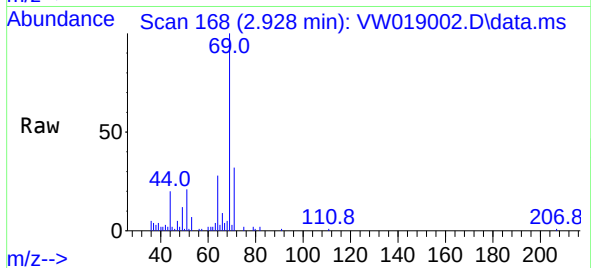
#8
Chloroethane
Concen: 0.93 ug/L
RT: 2.928 min Scan# 168
Delta R.T. -0.006 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion: 64 Resp: 5079
Ion Ratio Lower Upper
64 100
66 32.5 23.4 43.6

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2021-05

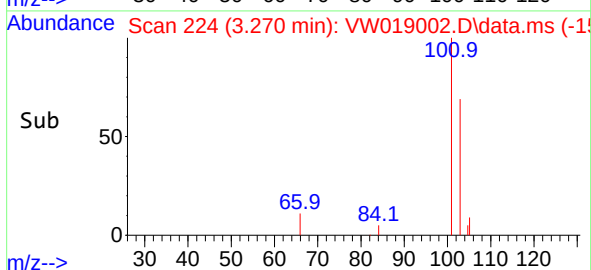
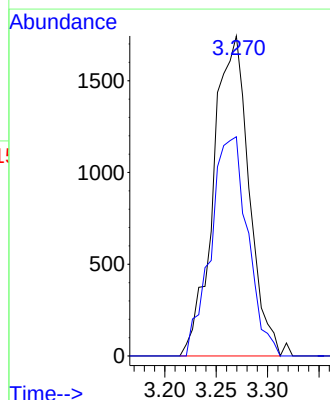
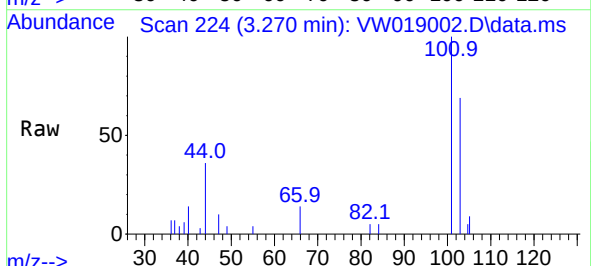
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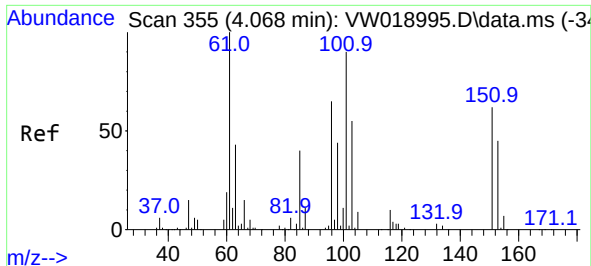
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#9
Trichlorofluoromethane
Concen: 0.73 ug/L
RT: 3.270 min Scan# 224
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion: 101 Resp: 4189
Ion Ratio Lower Upper
101 100
103 71.2 51.0 76.4





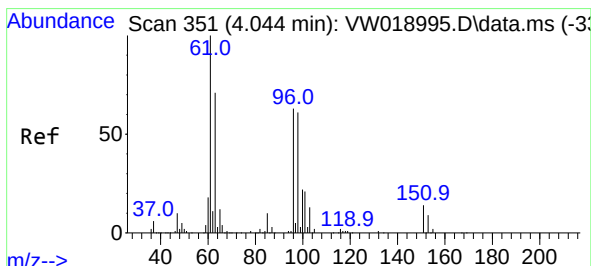
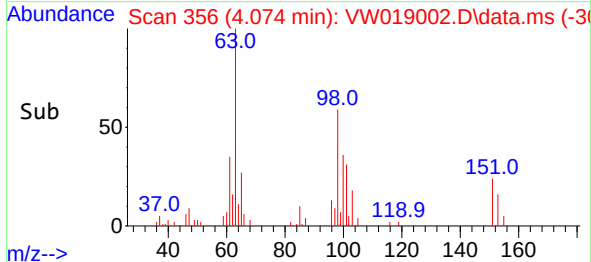
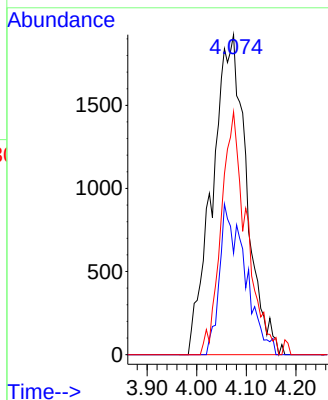
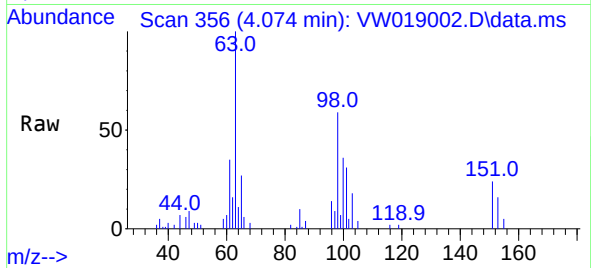
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.17 ug/L m
RT: 4.074 min Scan# 356
Delta R.T. 0.006 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion:101 Resp: 9207
Ion Ratio Lower Upper
101 100
85 18.2 38.2 57.2#
151 37.4 56.6 85.0#

Instrument :
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ClientSampleId :
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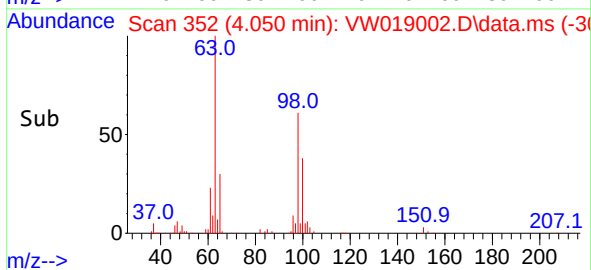
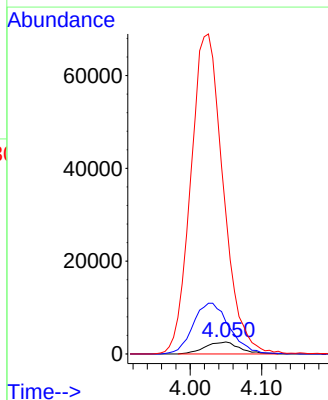
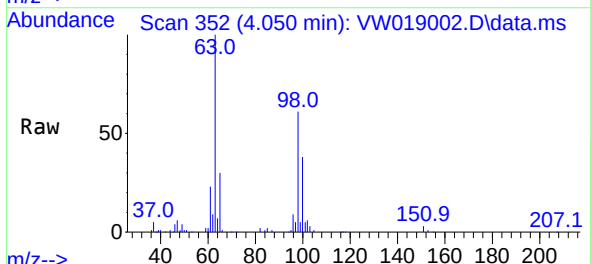
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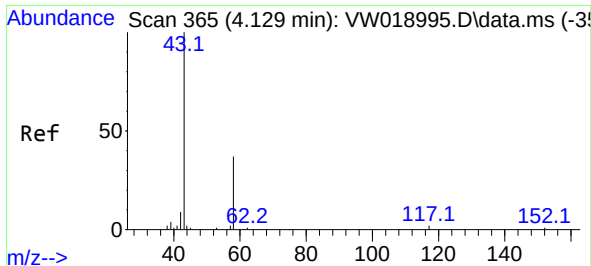
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#12
1,1-Dichloroethene
Concen: 1.13 ug/L
RT: 4.050 min Scan# 352
Delta R.T. 0.006 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion: 96 Resp: 8671
Ion Ratio Lower Upper
96 100
61 268.3 118.1 219.3#
63 1173.3 83.7 155.5#





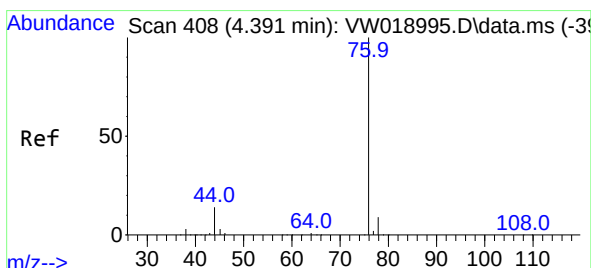
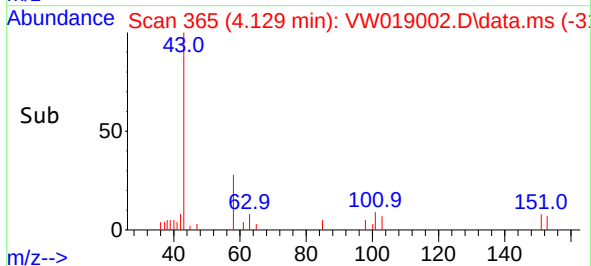
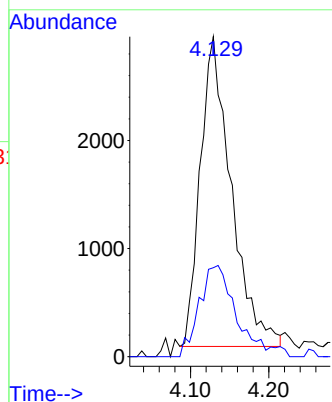
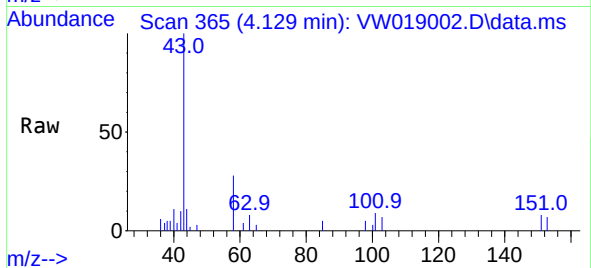
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Acetone
Concen: 5.81 ug/L
RT: 4.129 min Scan# 365
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion: 43 Resp: 7854
Ion Ratio Lower Upper
43 100
58 33.2 0.0 53.8

Instrument :
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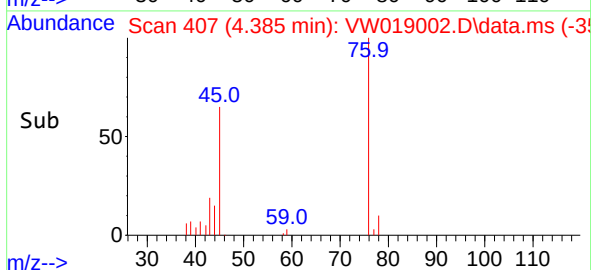
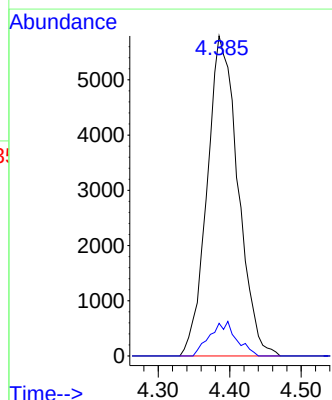
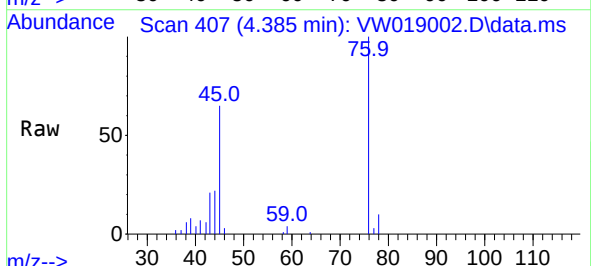
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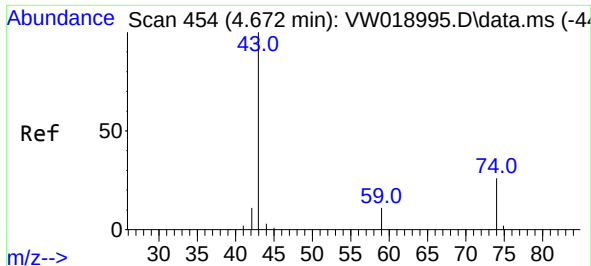
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#14
Carbon disulfide
Concen: 0.81 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.006 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion: 76 Resp: 17375
Ion Ratio Lower Upper
76 100
78 10.2 7.4 11.0





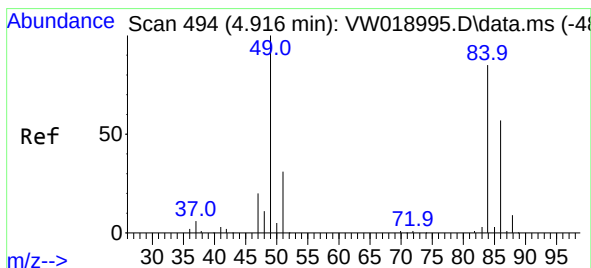
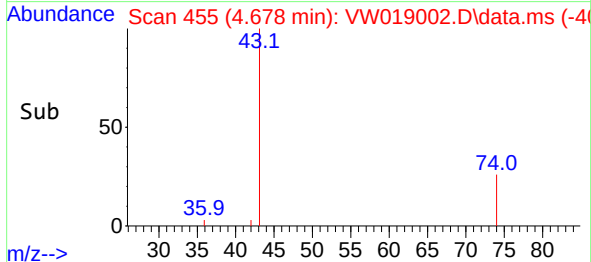
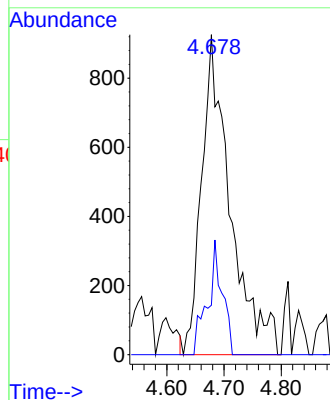
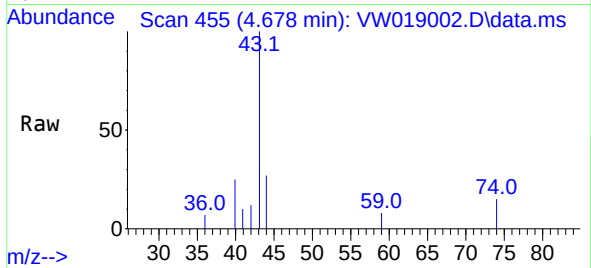
#15
Methyl Acetate
Concen: 1.15 ug/L m
RT: 4.678 min Scan# 455
Delta R.T. 0.006 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion: 43 Resp: 3217
Ion Ratio Lower Upper
43 100
74 12.8 20.0 30.0#

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2021-05

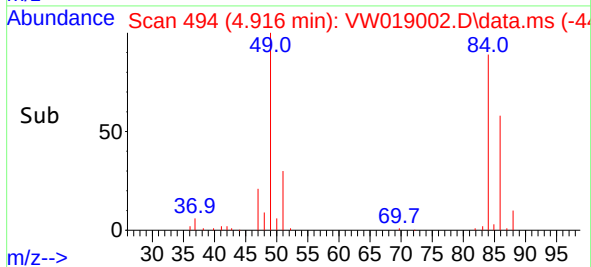
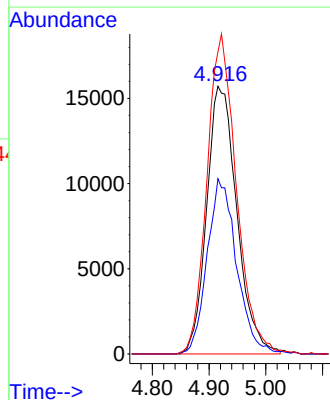
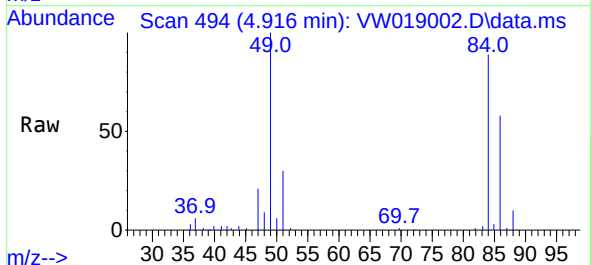
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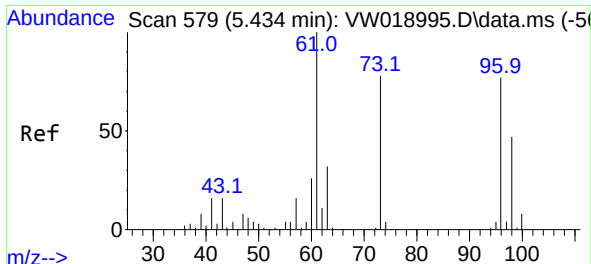
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#16
Methylene chloride
Concen: 5.82 ug/L
RT: 4.916 min Scan# 494
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion: 84 Resp: 58125
Ion Ratio Lower Upper
84 100
86 65.4 45.3 84.1
49 112.9 86.6 160.8





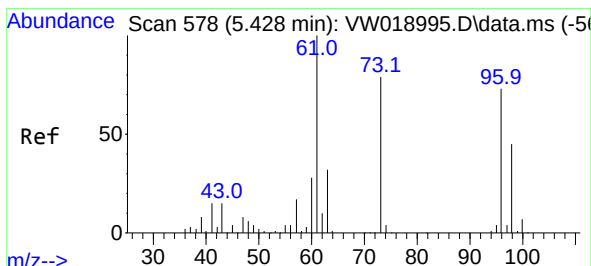
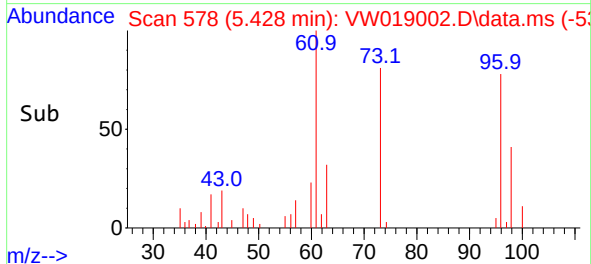
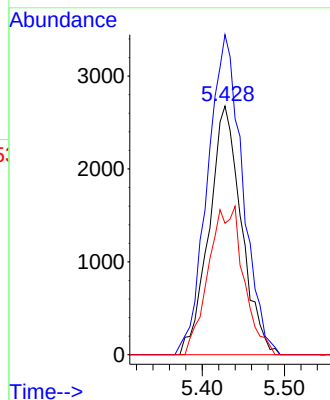
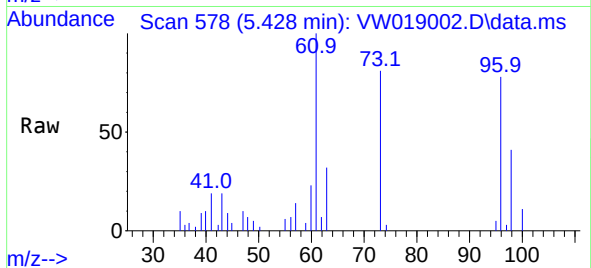
#17
trans-1,2-Dichloroethene
Concen: 0.87 ug/L
RT: 5.428 min Scan# 578
Delta R.T. -0.006 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion: 96 Resp: 7295
Ion Ratio Lower Upper
96 100
61 128.7 98.3 182.7
98 52.8 46.1 85.7

Instrument :
MSVOA_W
ClientSampleId :
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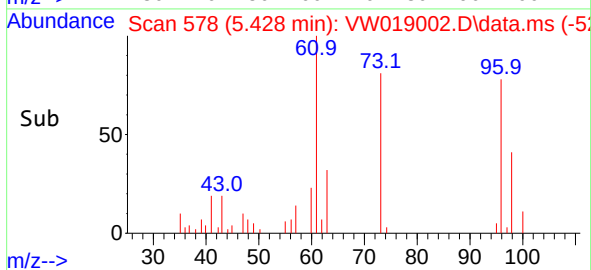
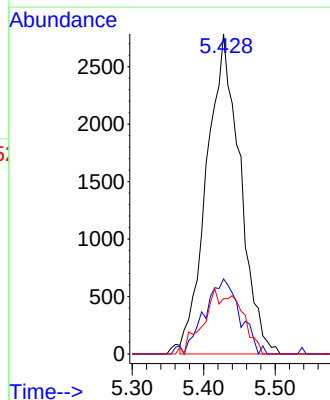
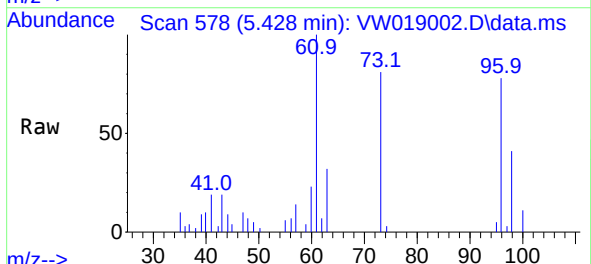
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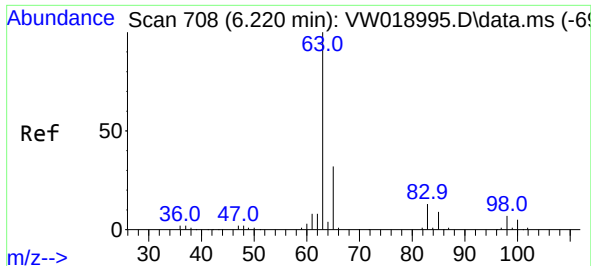
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#18
Methyl tert-butyl Ether
Concen: 0.89 ug/L
RT: 5.428 min Scan# 578
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion: 73 Resp: 8995
Ion Ratio Lower Upper
73 100
43 21.6 17.7 26.5
57 4.6 17.0 25.4#





#19

1,1-Dichloroethane

Concen: 0.89 ug/L

RT: 6.220 min Scan# 708

Delta R.T. 0.000 min

Lab File: VW019002.D

Acq: 14 May 2021 16:39

Tgt Ion:	63	Resp:	13035
Ion	Ratio	Lower	Upper
63	100		
65	34.3	22.9	42.5
83	13.3	10.2	19.0

Instrument :

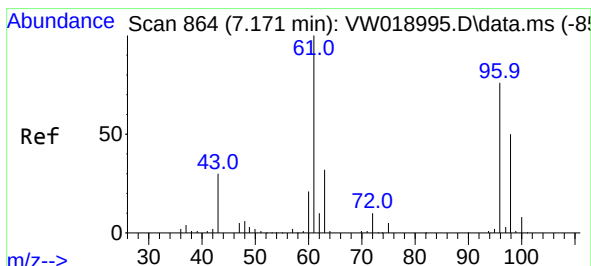
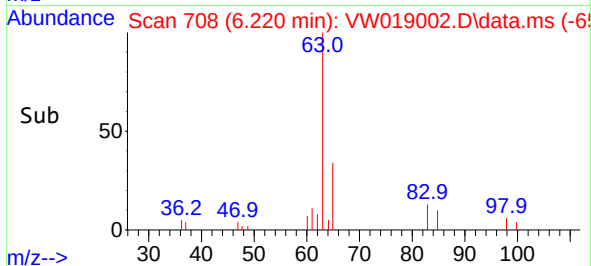
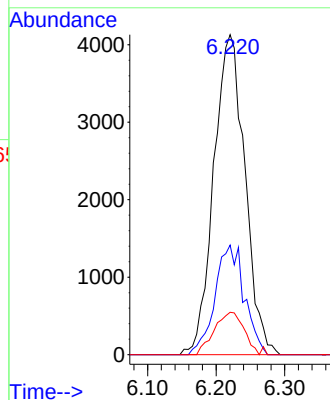
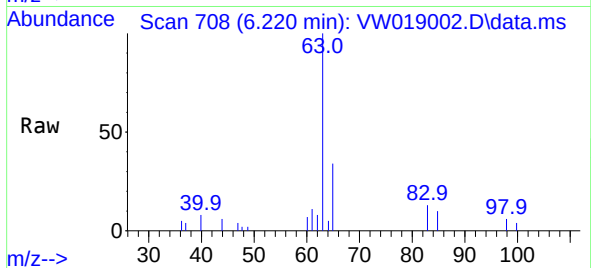
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ClientSampleId :

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#20

cis-1,2-Dichloroethene

Concen: 0.89 ug/L

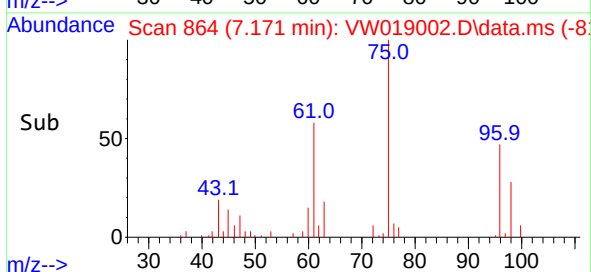
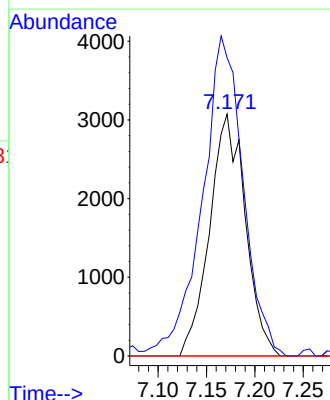
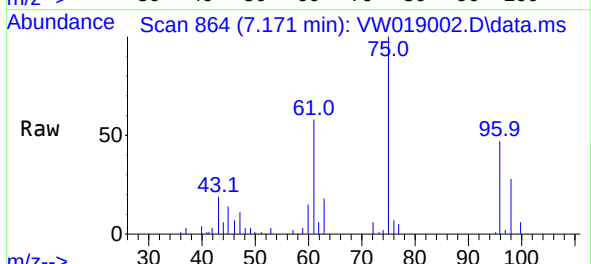
RT: 7.171 min Scan# 864

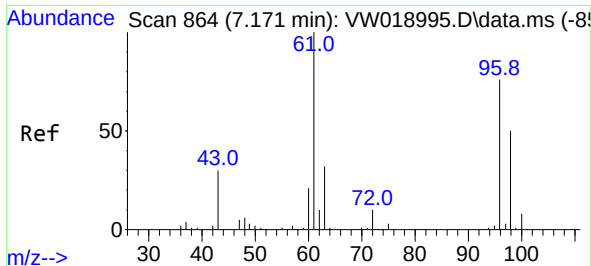
Delta R.T. 0.000 min

Lab File: VW019002.D

Acq: 14 May 2021 16:39

Tgt Ion:	96	Resp:	7886
Ion	Ratio	Lower	Upper
96	100		
61	123.4	88.5	164.3
68	0.0	0.0	0.0





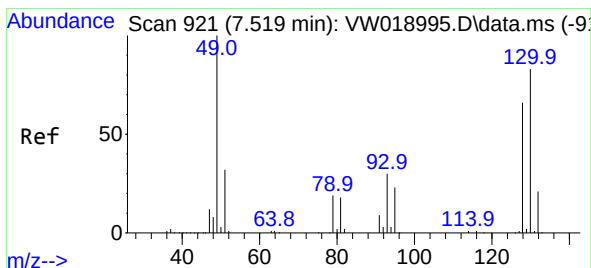
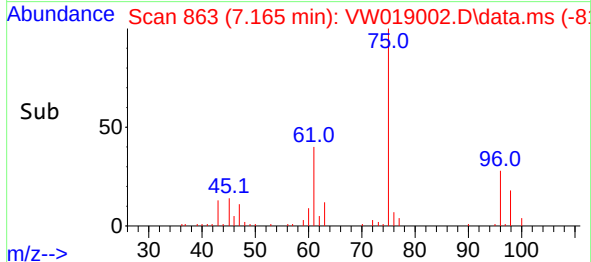
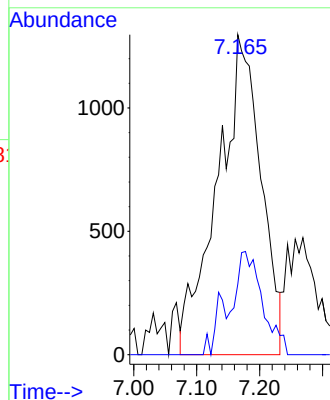
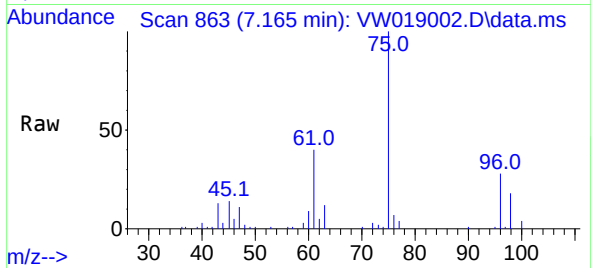
#22
2-Butanone
Concen: 3.34 ug/L m
RT: 7.165 min Scan# 863
Delta R.T. -0.006 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion: 43 Resp: 6215
Ion Ratio Lower Upper
43 100
72 20.2 14.9 44.7

Instrument :
MSVOA_W
ClientSampleId :
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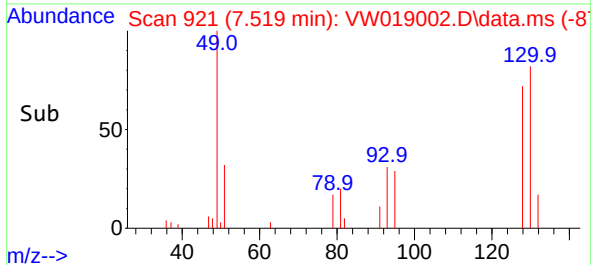
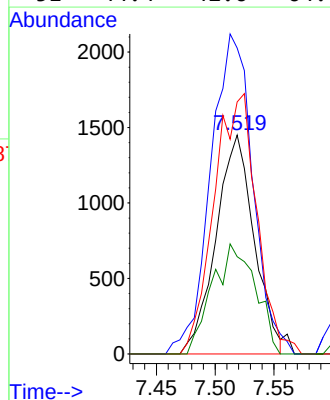
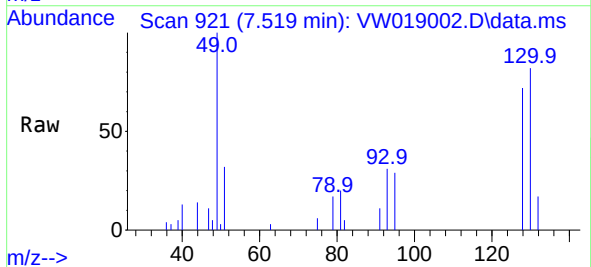
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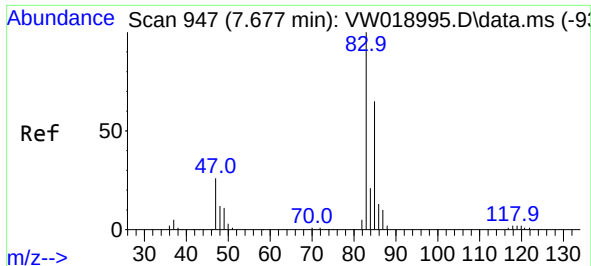
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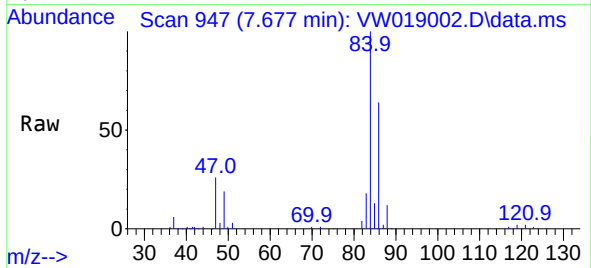
#23
Bromochloromethane
Concen: 0.86 ug/L
RT: 7.519 min Scan# 921
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion: 128 Resp: 3279
Ion Ratio Lower Upper
128 100
49 139.8 116.3 215.9
130 115.1 82.4 153.0
51 44.4 42.6 64.0

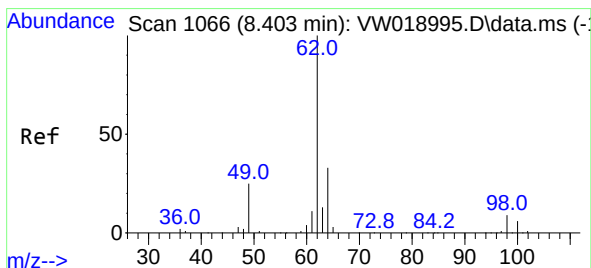
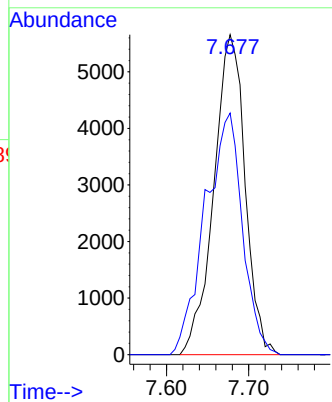
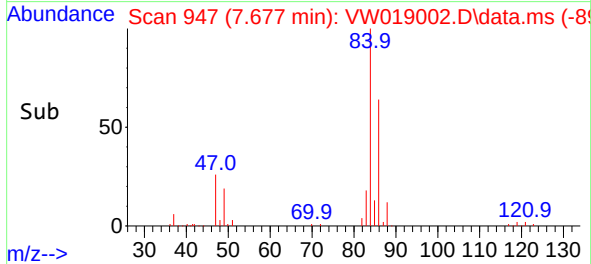




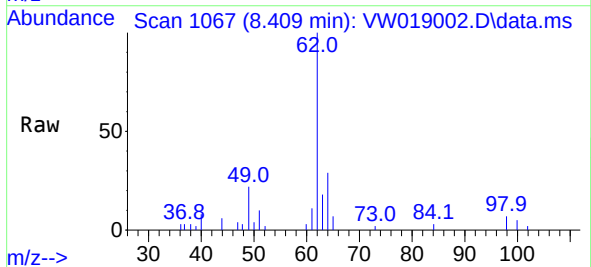
#25
Chloroform
Concen: 0.99 ug/L
RT: 7.677 min Scan# 947
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39



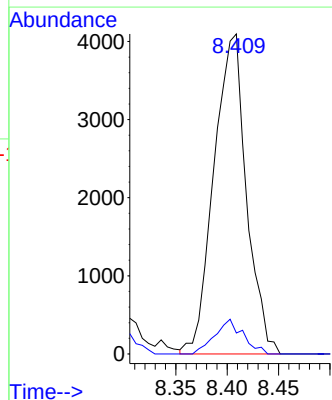
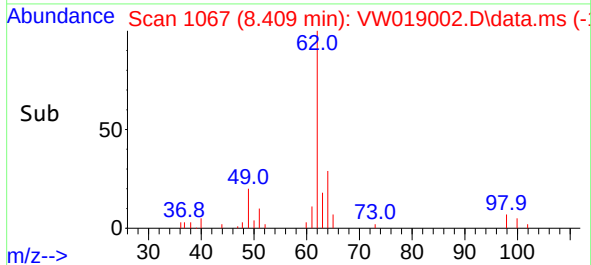
Tgt Ion: 83 Resp: 14942
Ion Ratio Lower Upper
83 100
85 75.5 44.6 82.8



#27
1,2-Dichloroethane
Concen: 0.96 ug/L
RT: 8.409 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39



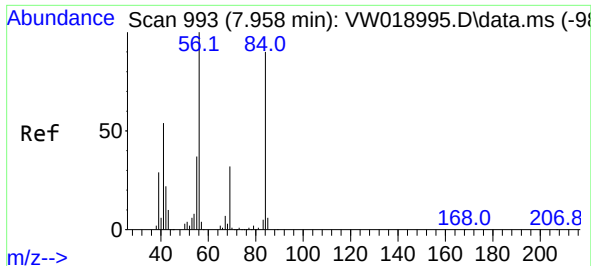
Tgt Ion: 62 Resp: 9023
Ion Ratio Lower Upper
62 100
98 6.5 6.9 10.3#



Instrument :
MSVOA_W
ClientSampleId :
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#29

Cyclohexane

Concen: 0.86 ug/L

RT: 7.958 min Scan# 993

Delta R.T. 0.000 min

Lab File: VW019002.D

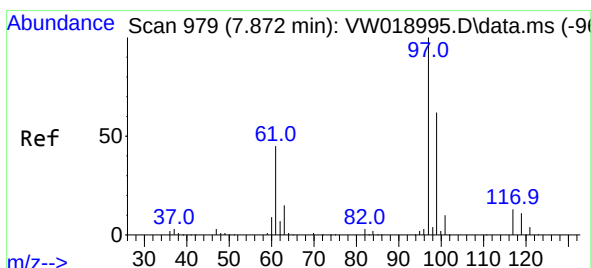
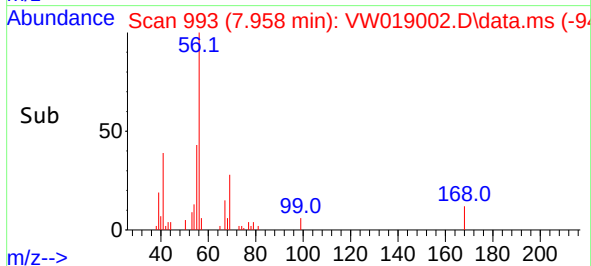
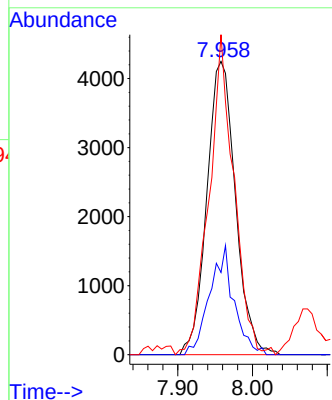
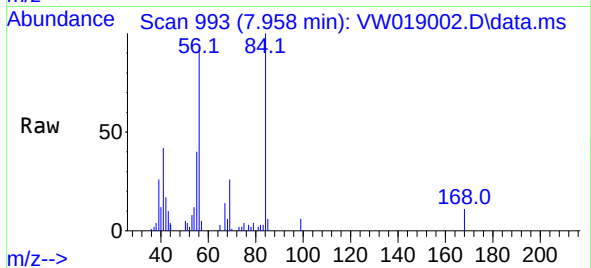
Acq: 14 May 2021 16:39

Tgt Ion:	56	Resp:	11304
Ion	Ratio	Lower	Upper
56	100		
69	31.2	24.5	36.7
84	94.1	75.0	112.4

Instrument :
MSVOA_W
ClientSampleId :
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#30

1,1,1-Trichloroethane

Concen: 0.88 ug/L

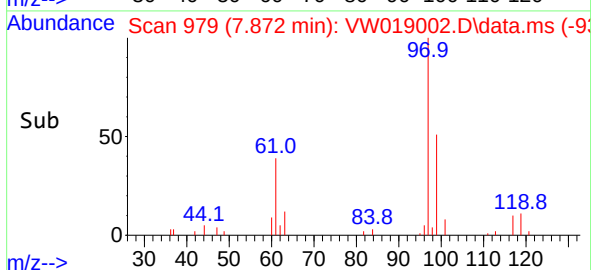
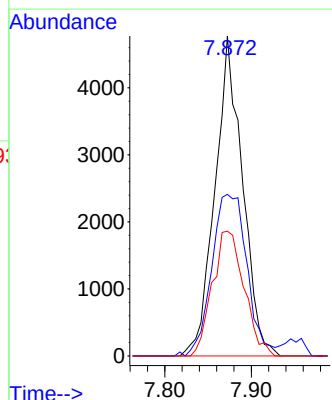
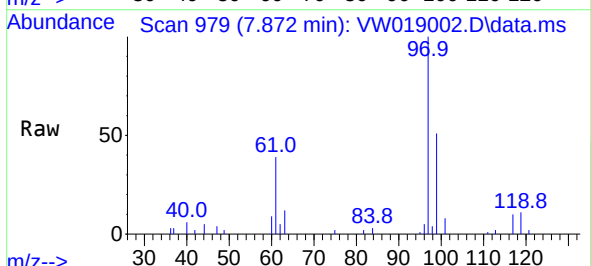
RT: 7.872 min Scan# 979

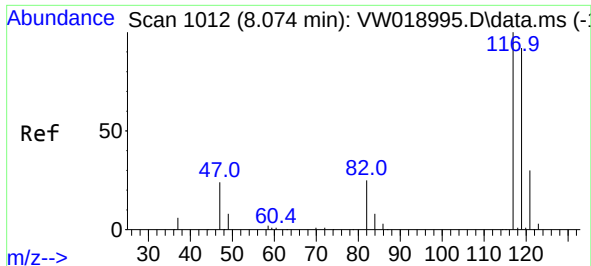
Delta R.T. 0.000 min

Lab File: VW019002.D

Acq: 14 May 2021 16:39

Tgt Ion:	97	Resp:	10532
Ion	Ratio	Lower	Upper
97	100		
99	40.9	51.4	77.2#
61	45.0	37.8	56.6





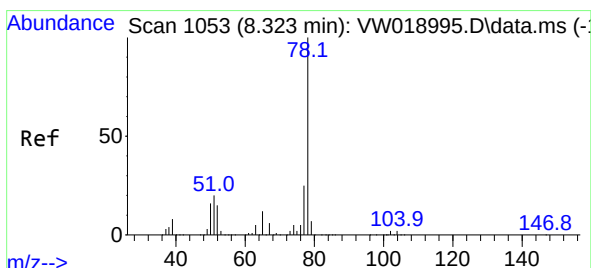
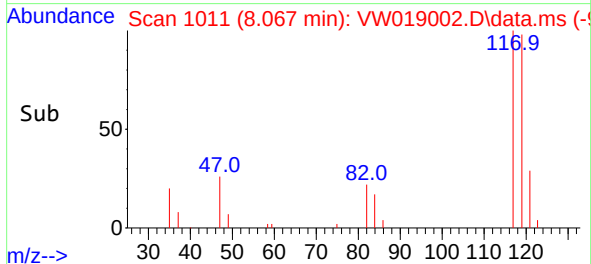
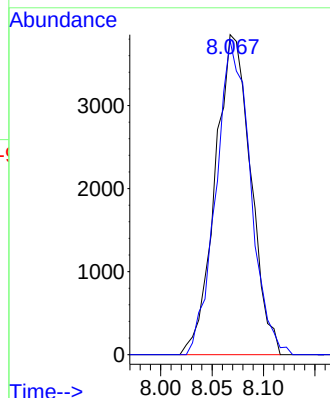
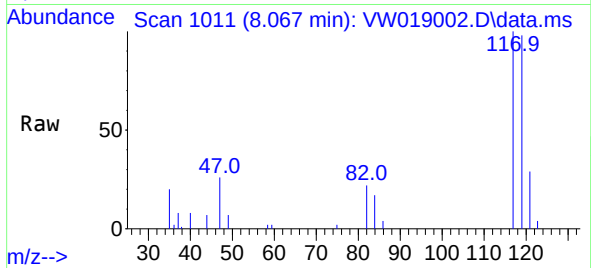
#31
Carbon tetrachloride
Concen: 0.85 ug/L
RT: 8.067 min Scan# 1011
Delta R.T. -0.006 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion: 117 Resp: 9259
Ion Ratio Lower Upper
117 100
119 95.0 76.5 114.7

Instrument :
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ClientSampleId :
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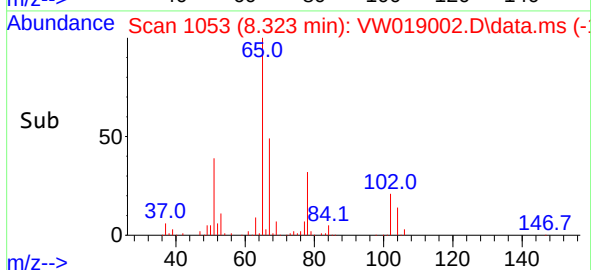
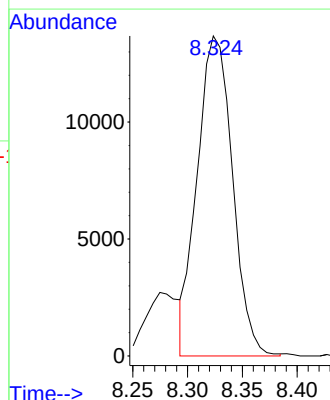
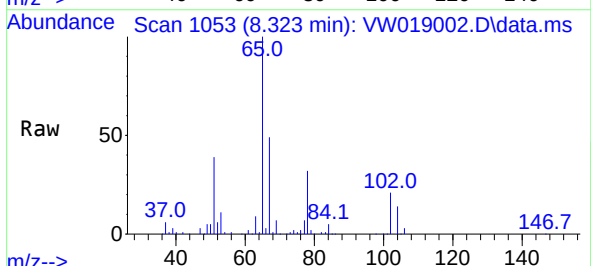
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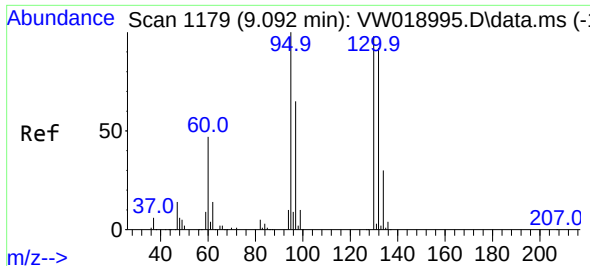
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#33
Benzene
Concen: 0.91 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

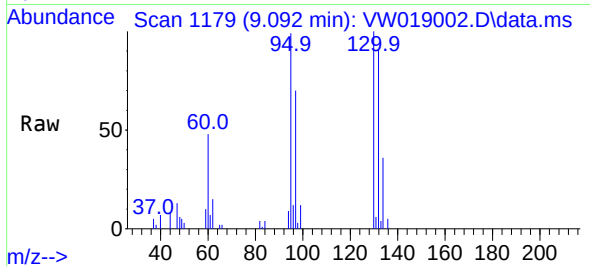
Tgt Ion: 78 Resp: 30598





#34
Trichloroethene
Concen: 0.89 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

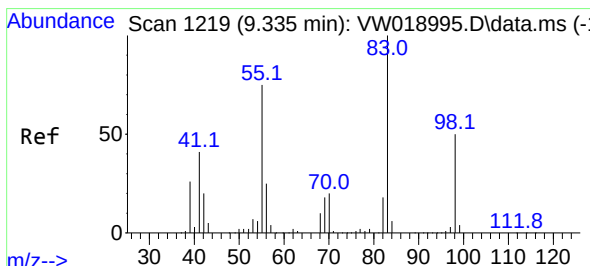
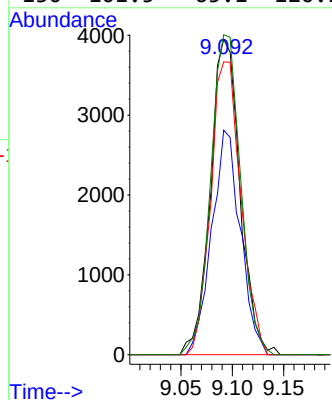
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2021-05



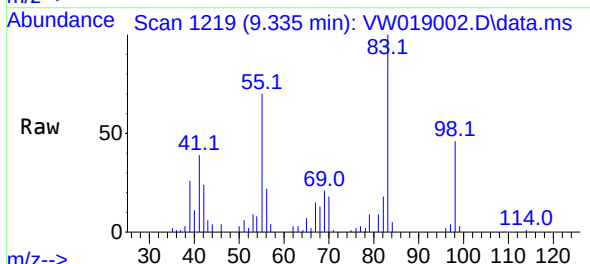
Tgt Ion:	95	Resp:	7899
Ion	Ratio	Lower	Upper
95	100		
97	71.2	47.3	87.8
132	92.8	71.0	131.8
130	101.5	65.1	120.9

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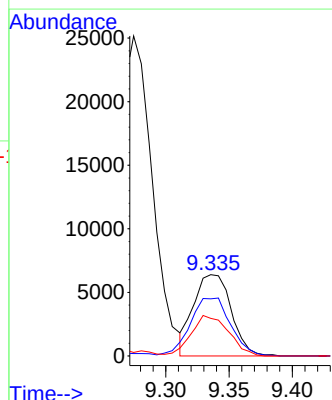
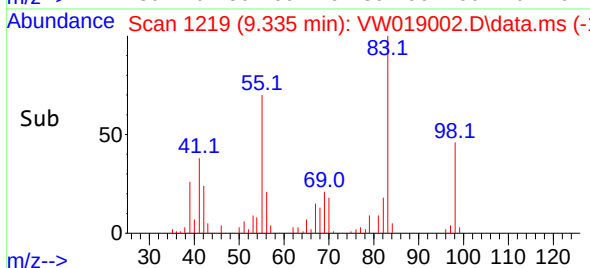
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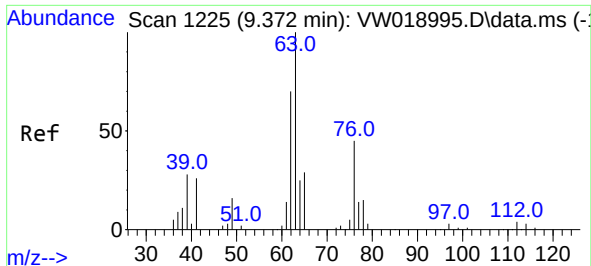


#35
Methylcyclohexane
Concen: 0.86 ug/L
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39



Tgt Ion:	83	Resp:	13257
Ion	Ratio	Lower	Upper
83	100		
55	76.6	58.9	88.3
98	49.4	40.1	60.1





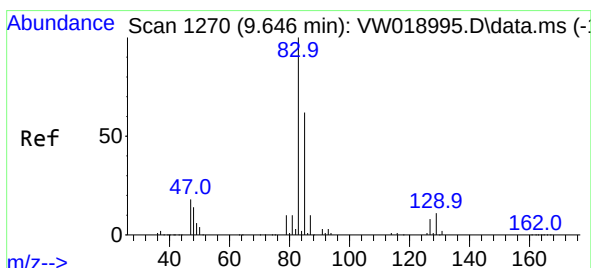
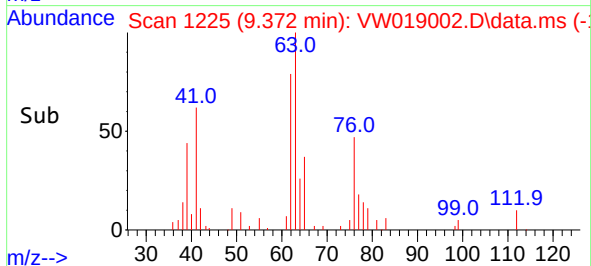
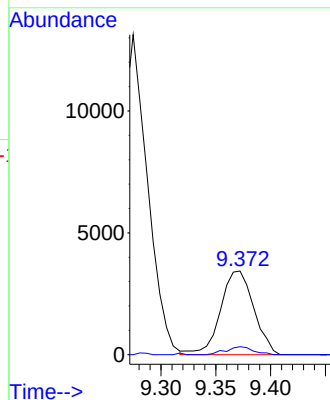
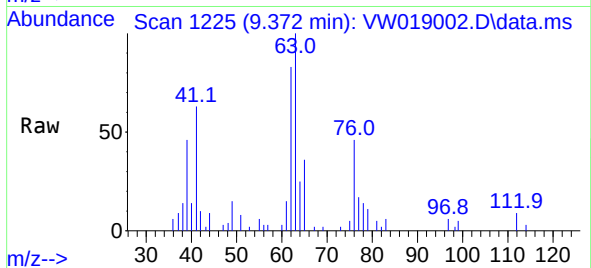
#37
1,2-Dichloropropane
Concen: 0.90 ug/L
RT: 9.372 min Scan# 1225
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion: 63 Resp: 7250
Ion Ratio Lower Upper
63 100
112 7.8 3.9 5.9#

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2021-05

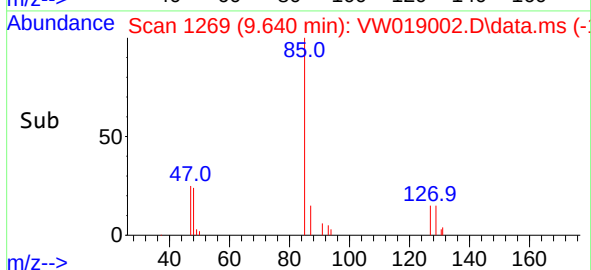
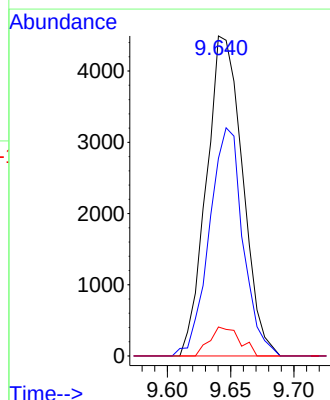
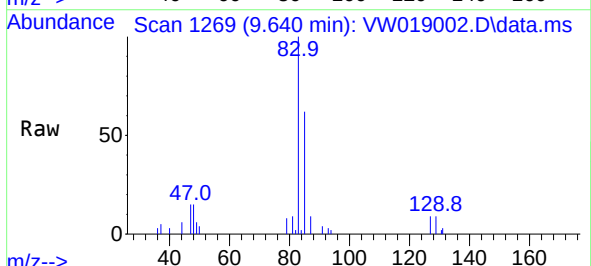
Manual Integrations
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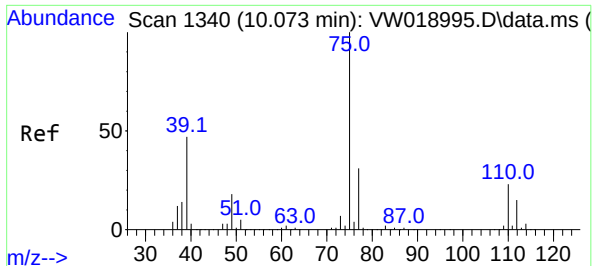
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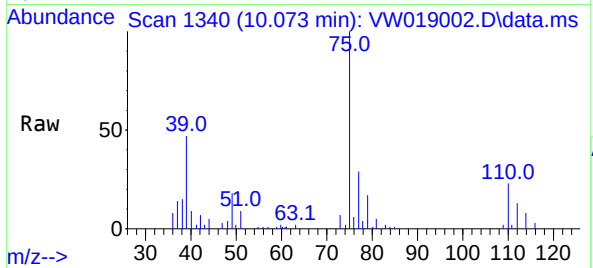
#38
Bromodichloromethane
Concen: 0.85 ug/L
RT: 9.640 min Scan# 1269
Delta R.T. -0.006 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion: 83 Resp: 8930
Ion Ratio Lower Upper
83 100
85 61.8 42.3 78.5
127 9.1 6.6 9.8

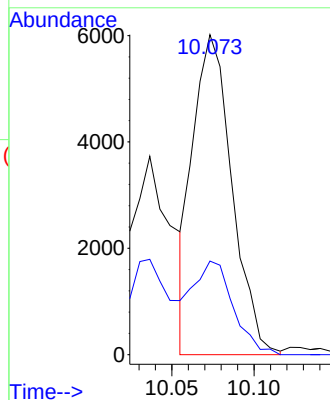
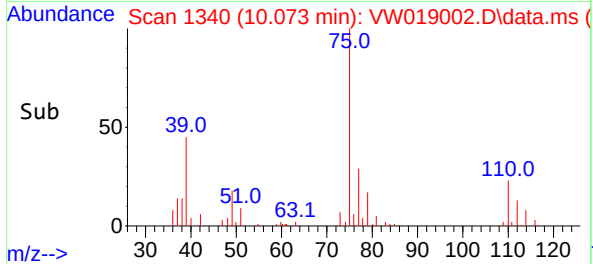




#39
cis-1,3-Dichloropropene
Concen: 0.82 ug/L
RT: 10.073 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39



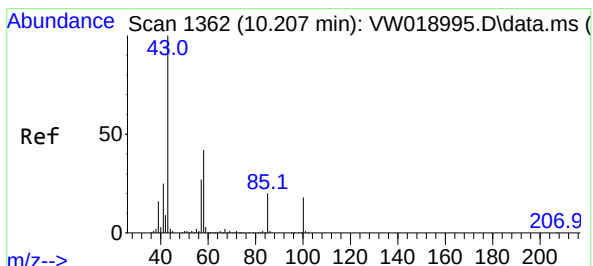
Tgt Ion: 75 Resp: 9934
Ion Ratio Lower Upper
75 100
77 29.2 22.6 42.0



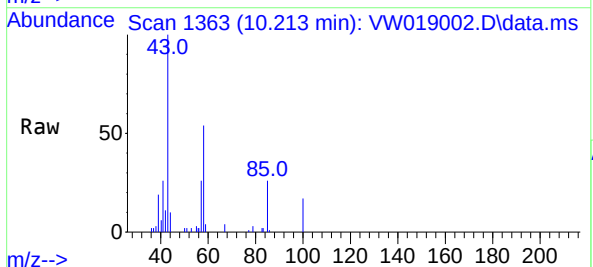
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2021-05

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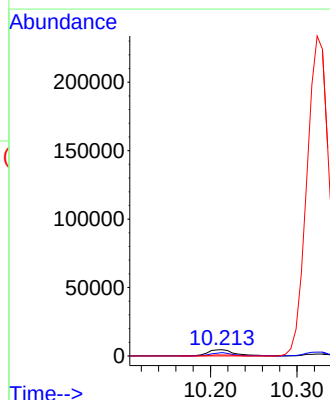
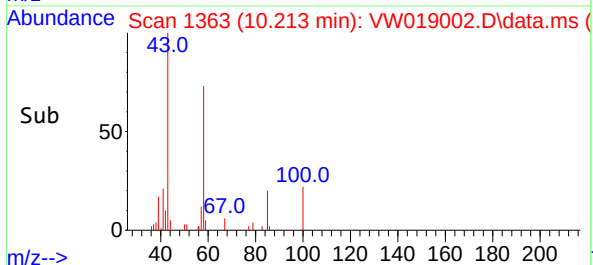
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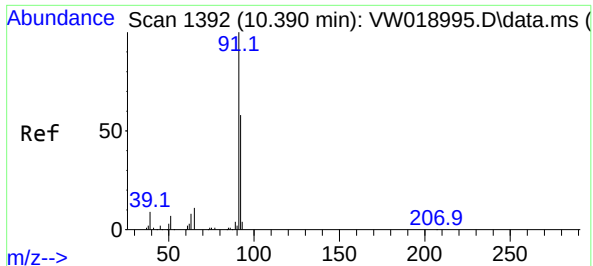


#40
4-Methyl-2-pentanone
Concen: 2.40 ug/L
RT: 10.213 min Scan# 1363
Delta R.T. 0.006 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39



Tgt Ion: 43 Resp: 10075
Ion Ratio Lower Upper
43 100
58 41.0 31.0 46.4
100 14.8 13.0 19.6





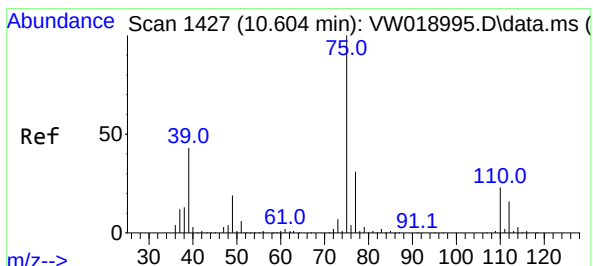
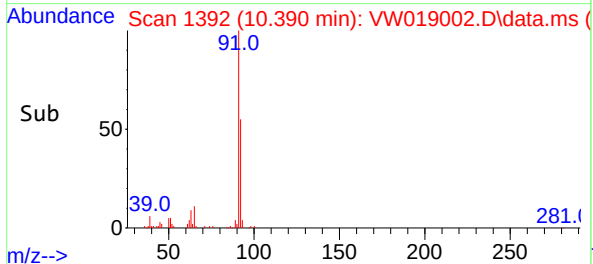
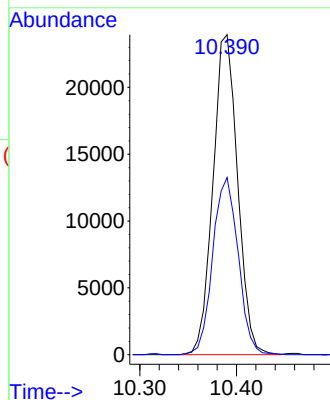
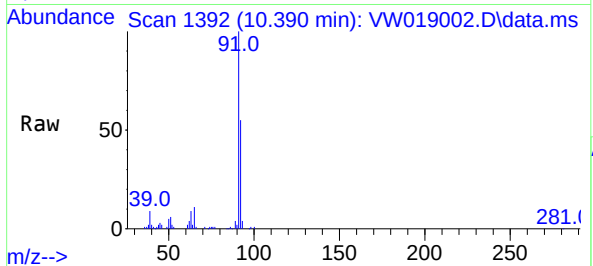
#42
Toluene
Concen: 1.15 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion: 91 Resp: 42326
Ion Ratio Lower Upper
91 100
92 55.4 39.5 73.3

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2021-05

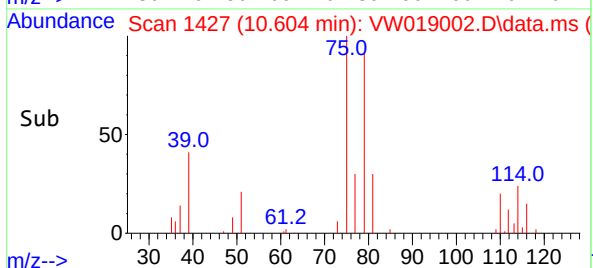
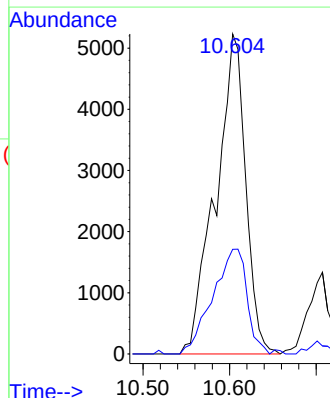
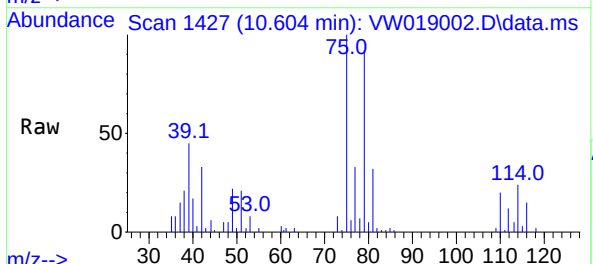
Manual Integrations
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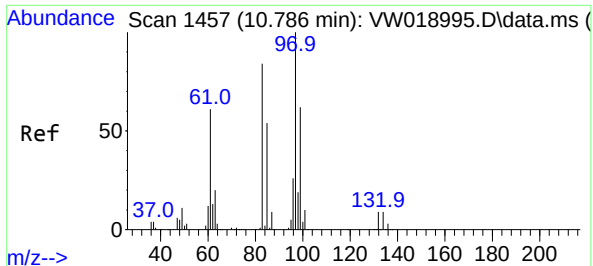
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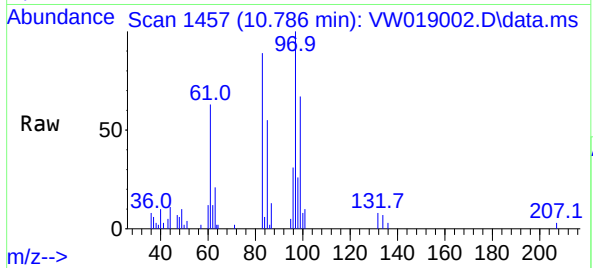
#44
trans-1,3-Dichloropropene
Concen: 1.19 ug/L
RT: 10.604 min Scan# 1427
Delta R.T. -0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion: 75 Resp: 12593
Ion Ratio Lower Upper
75 100
77 32.7 21.1 39.1

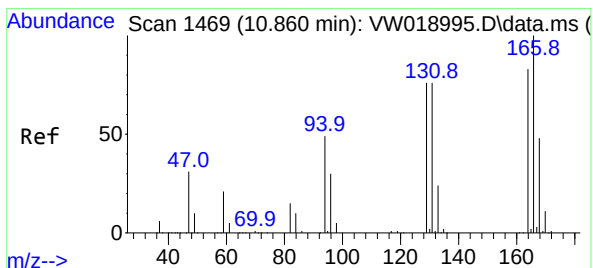
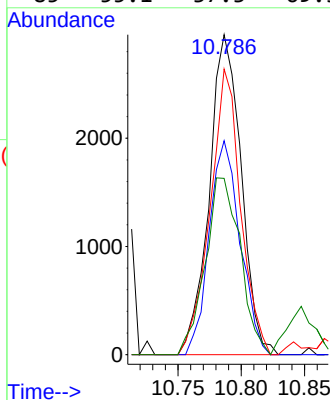
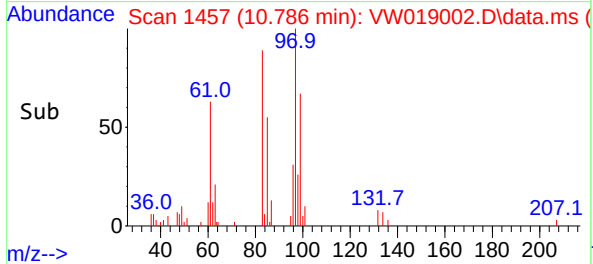




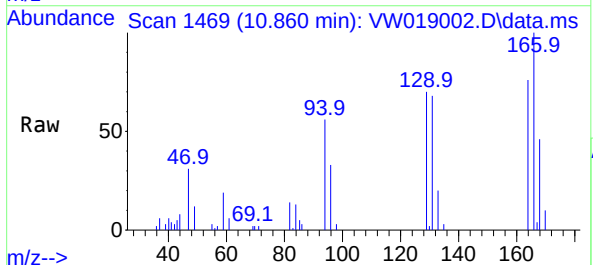
#45
1,1,2-Trichloroethane
Concen: 0.88 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39



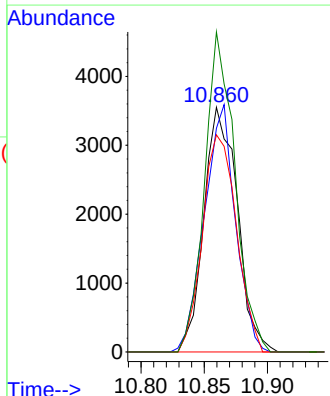
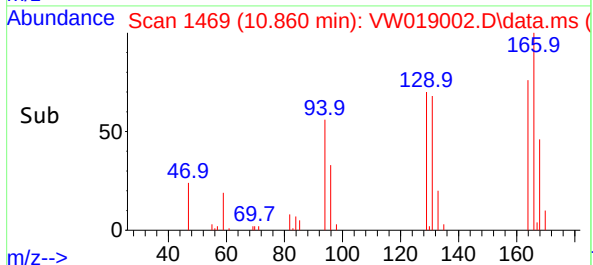
Tgt Ion:	97	Resp:	5196
Ion	Ratio	Lower	Upper
97	100		
99	66.8	45.1	83.7
83	89.2	58.1	107.9
85	55.1	37.3	69.3



#46
Tetrachloroethene
Concen: 0.92 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. -0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39



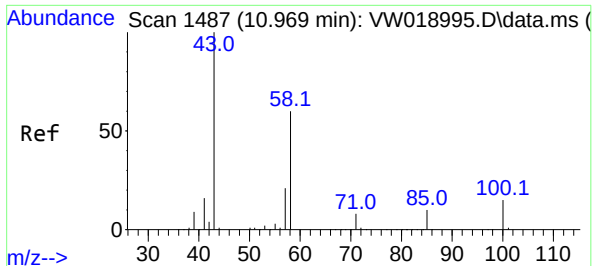
Tgt Ion:	164	Resp:	6509
Ion	Ratio	Lower	Upper
164	100		
129	91.4	66.7	123.9
131	88.7	61.1	113.5
166	130.8	87.0	161.6



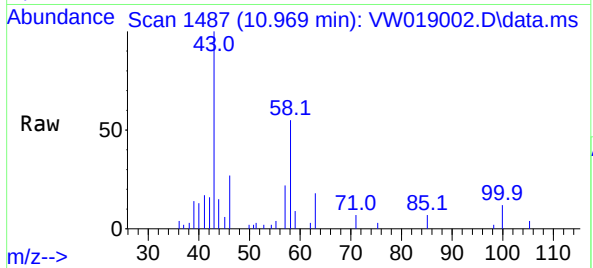
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2021-05

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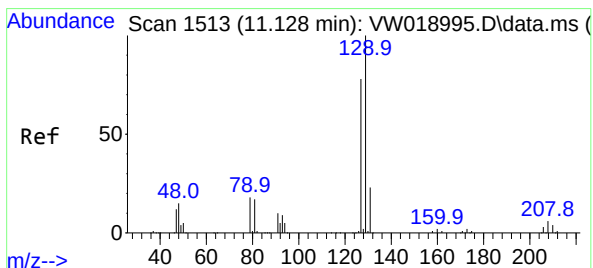
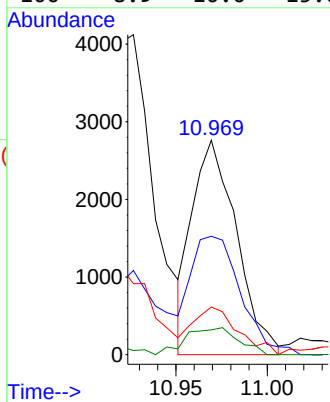
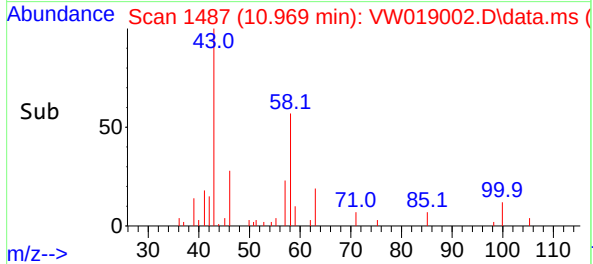
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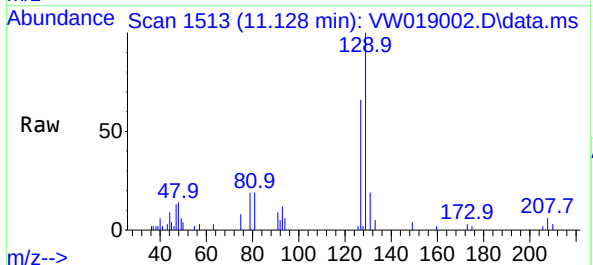
#48
2-Hexanone
Concen: 1.71 ug/L
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39



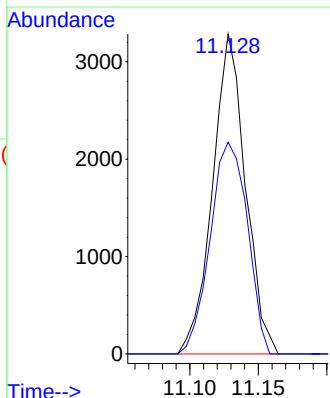
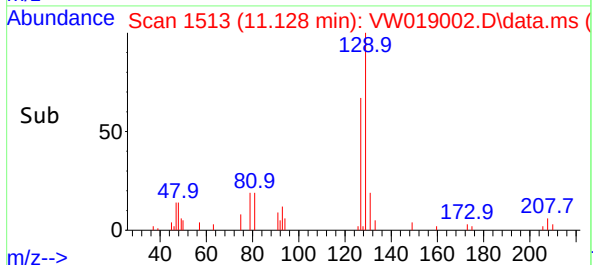
Tgt Ion: 43 Resp: 4663
Ion Ratio Lower Upper
43 100
58 55.8 42.7 64.1
57 22.7 15.8 23.8
100 8.9 10.0 15.0#



#49
Dibromochloromethane
Concen: 0.83 ug/L
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39



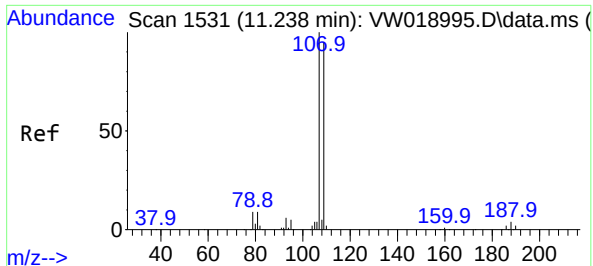
Tgt Ion: 129 Resp: 5491
Ion Ratio Lower Upper
129 100
127 66.2 51.7 95.9



Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2021-05

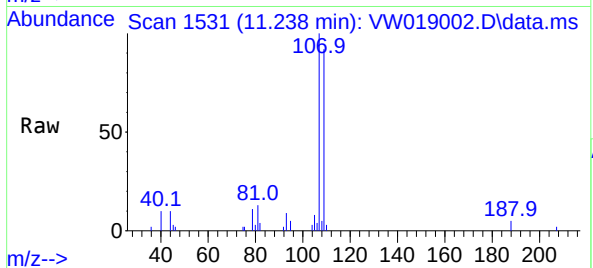
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#50
1,2-Dibromoethane
Concen: 0.84 ug/L
RT: 11.238 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

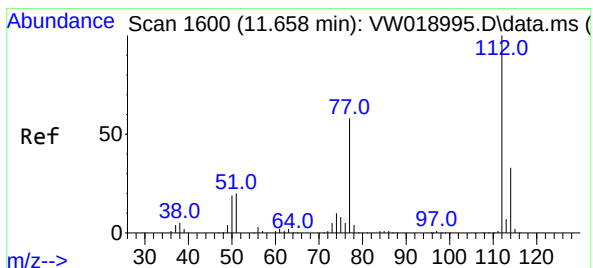
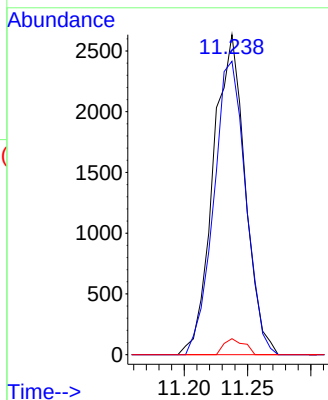
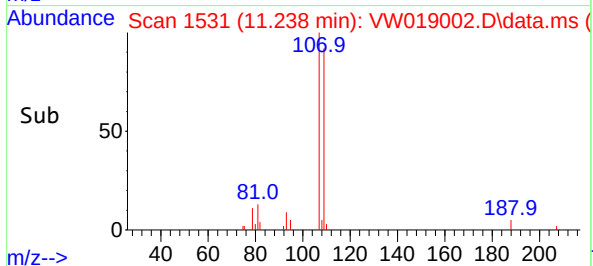
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2021-05



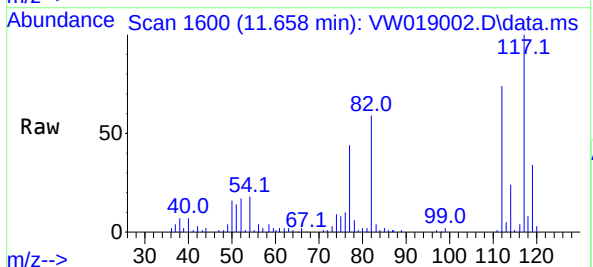
Tgt Ion:107 Resp: 4624
Ion Ratio Lower Upper
107 100
109 91.7 65.4 121.4
188 5.0 2.6 4.0#

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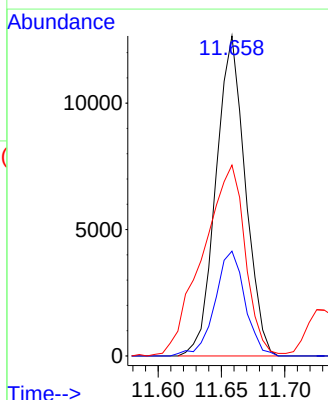
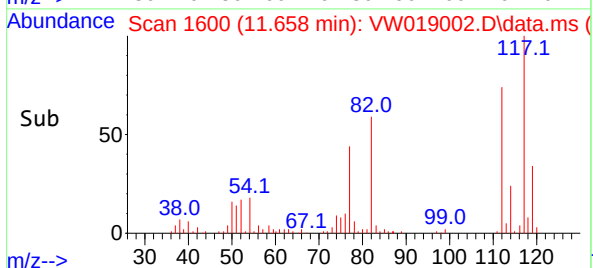
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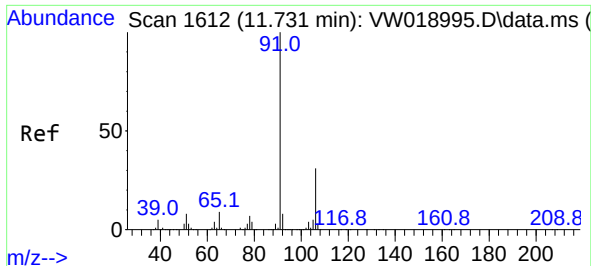


#51
Chlorobenzene
Concen: 0.90 ug/L
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39



Tgt Ion:112 Resp: 20433
Ion Ratio Lower Upper
112 100
114 32.8 23.4 43.6
77 59.7 47.6 71.4





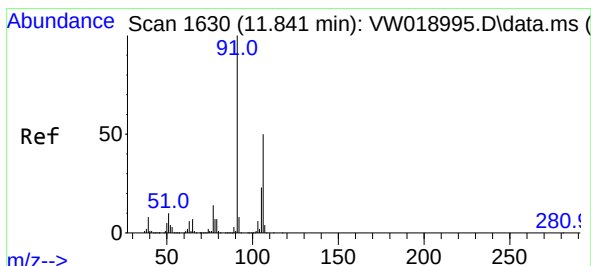
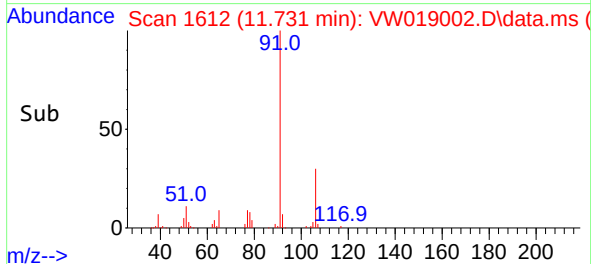
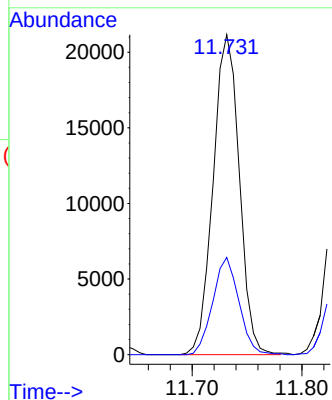
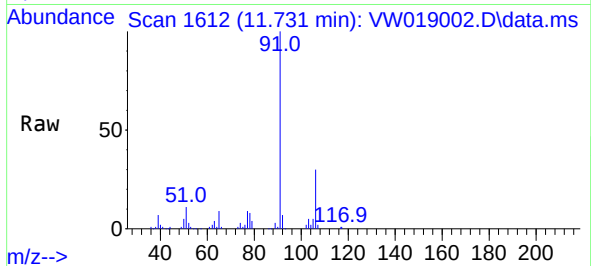
#52
Ethylbenzene
Concen: 0.86 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion: 91 Resp: 35137
Ion Ratio Lower Upper
91 100
106 30.4 22.5 41.7

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2021-05

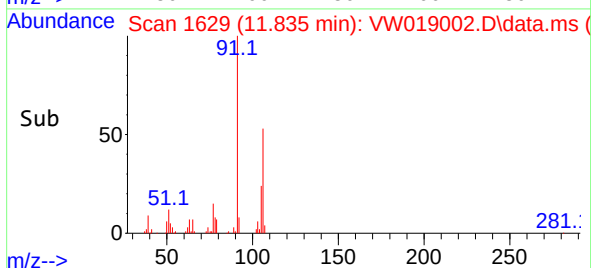
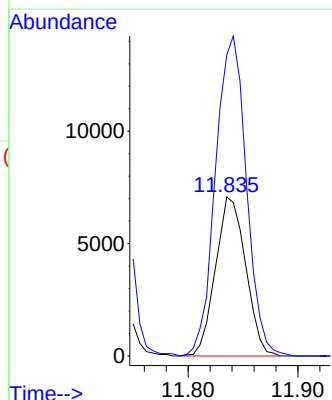
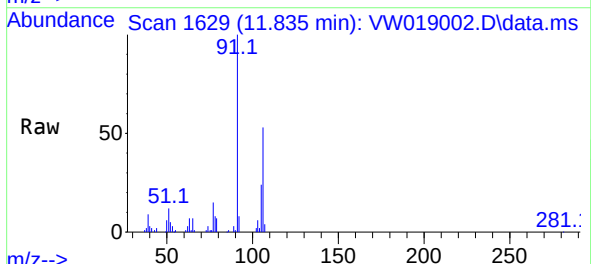
Manual Integrations
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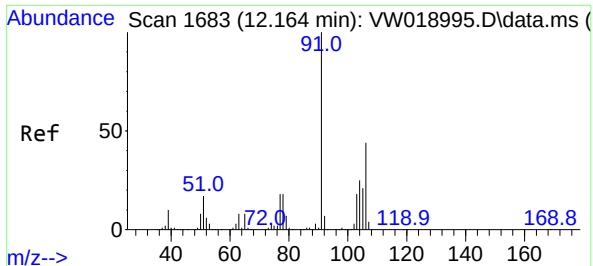
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#53
m,p-Xylene
Concen: 0.88 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

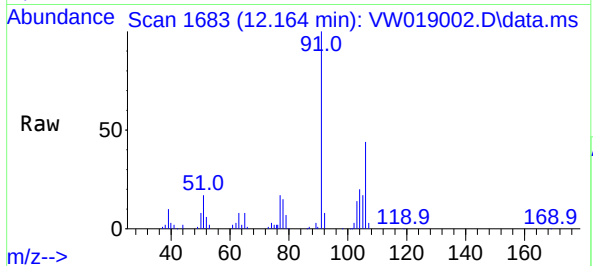
Tgt Ion: 106 Resp: 13520
Ion Ratio Lower Upper
106 100
91 189.2 141.3 262.3





#54
o-Xylene
Concen: 0.80 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

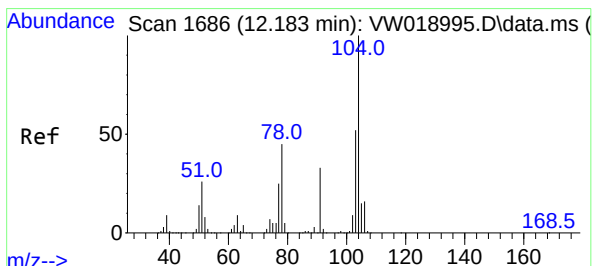
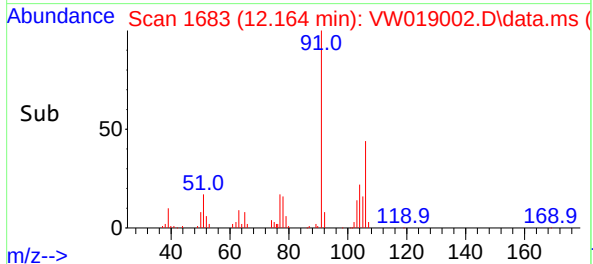
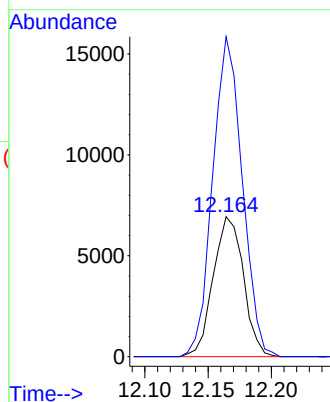
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2021-05



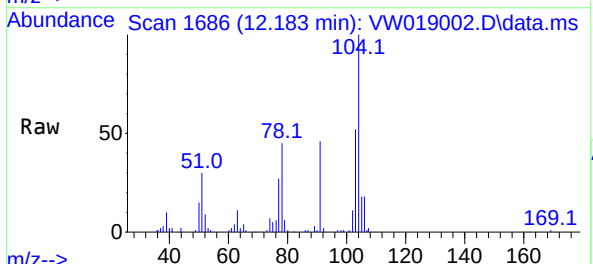
Tgt Ion:106 Resp: 11512
Ion Ratio Lower Upper
106 100
91 228.7 150.0 278.6

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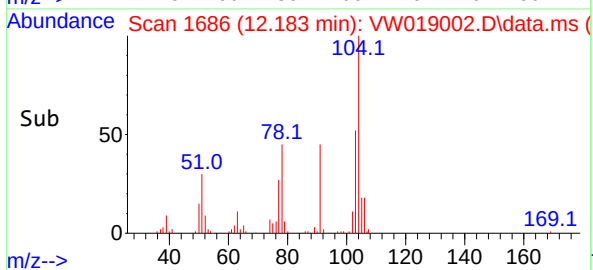
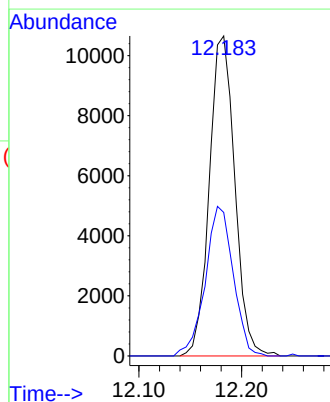
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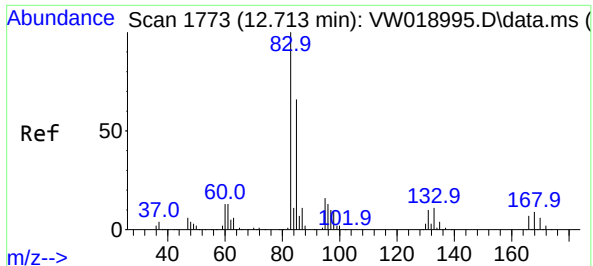


#55
Styrene
Concen: 0.75 ug/L
RT: 12.183 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39



Tgt Ion:104 Resp: 18372
Ion Ratio Lower Upper
104 100
78 44.8 32.5 60.3





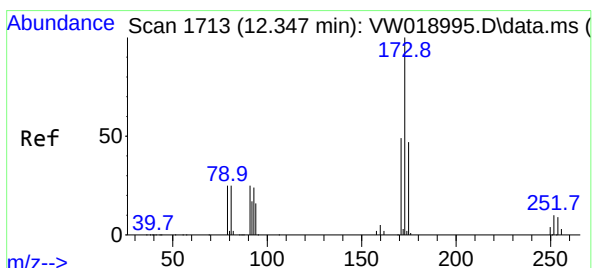
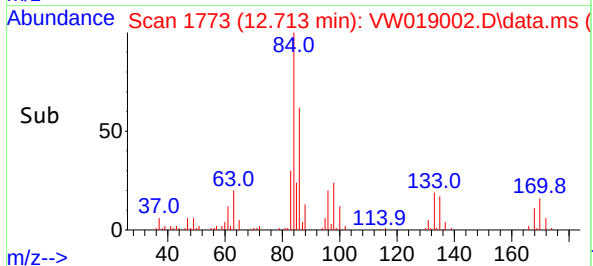
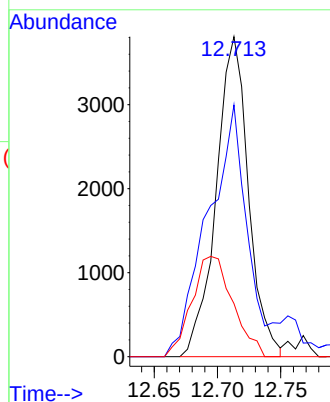
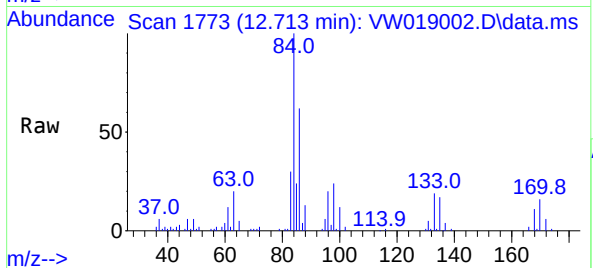
#57
1,1,2,2-Tetrachloroethane
Concen: 0.99 ug/L
RT: 12.713 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion:	83	Resp:	6765
Ion	Ratio	Lower	Upper
83	100		
85	78.7	44.4	82.4
131	19.1	8.2	12.4#

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2021-05

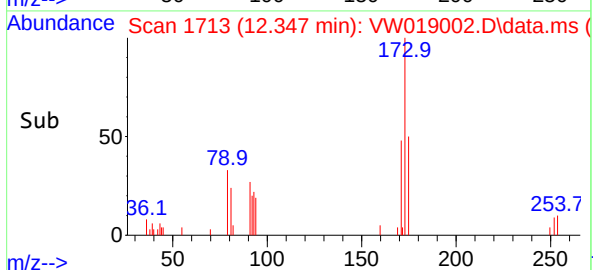
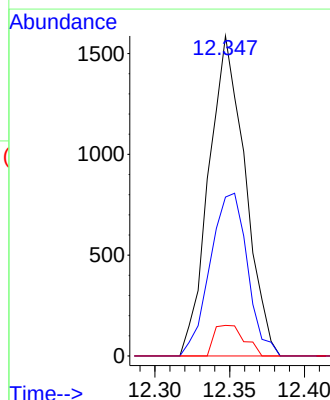
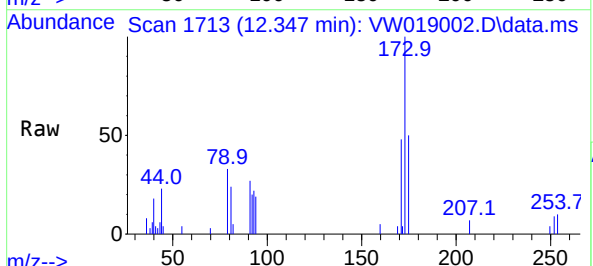
Manual Integrations
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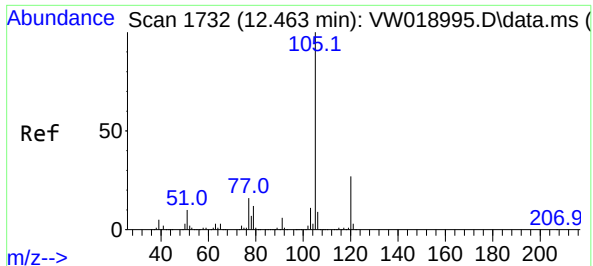
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#59
Bromoform
Concen: 0.79 ug/L
RT: 12.347 min Scan# 1713
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

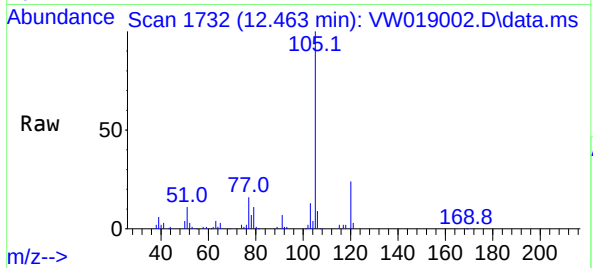
Tgt Ion:	173	Resp:	2676
Ion	Ratio	Lower	Upper
173	100		
175	52.4	37.5	56.3
254	8.0	7.0	10.4





#60
Isopropylbenzene
Concen: 0.82 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

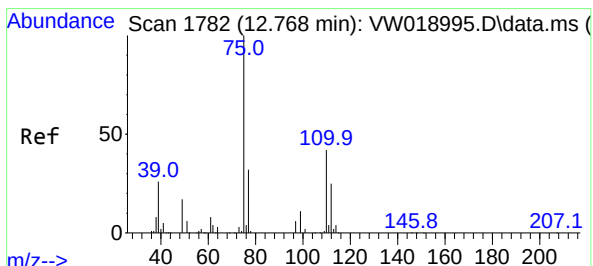
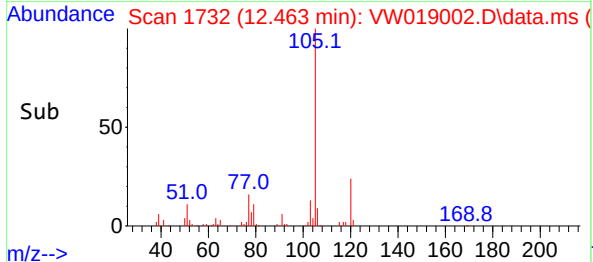
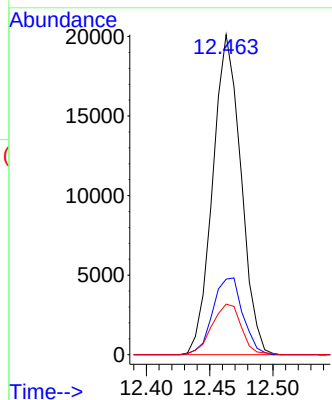
Instrument :
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ClientSampleId :
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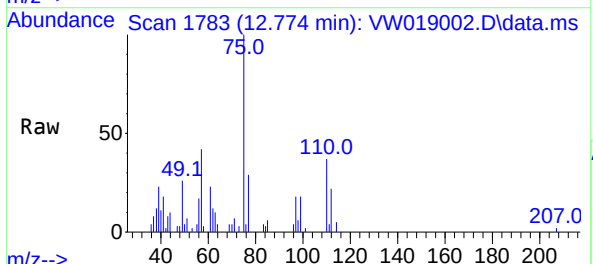
Tgt Ion:	105	Resp:	31220
Ion Ratio	Lower	Upper	
105	100		
120	25.5	21.1	31.7
77	16.6	13.2	19.8

Manual Integrations
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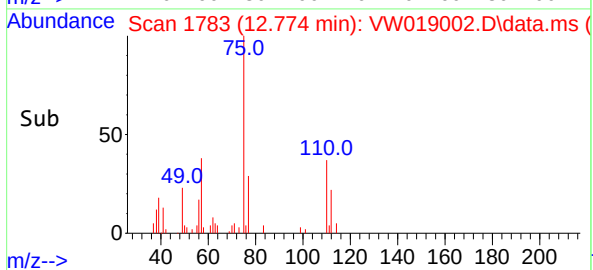
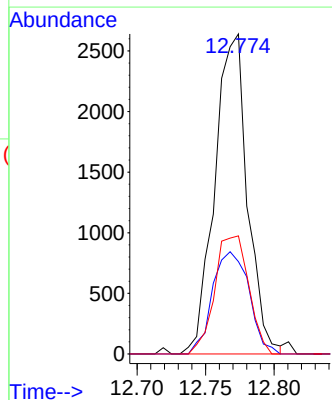
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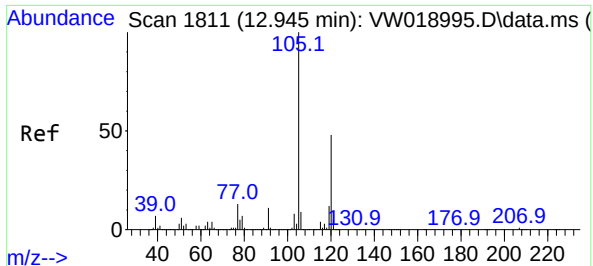


#61
1,2,3-Trichloropropane
Concen: 0.93 ug/L
RT: 12.774 min Scan# 1783
Delta R.T. 0.006 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39



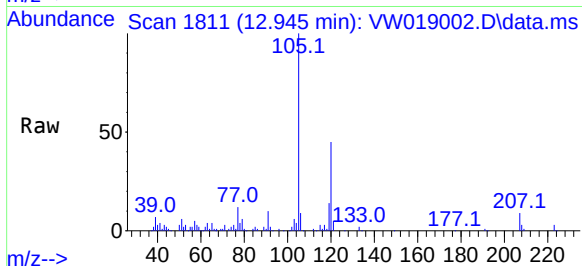
Tgt Ion:	75	Resp:	4393
Ion Ratio	Lower	Upper	
75	100		
77	35.7	25.3	37.9
110	38.4	32.6	48.8





#62
1,3,5-Trimethylbenzene
Concen: 0.82 ug/L
RT: 12.945 min Scan# 1811
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

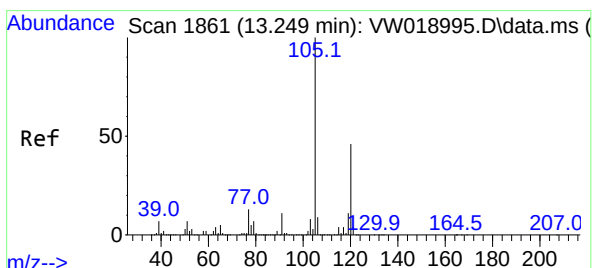
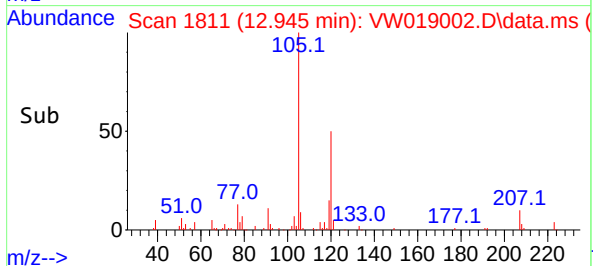
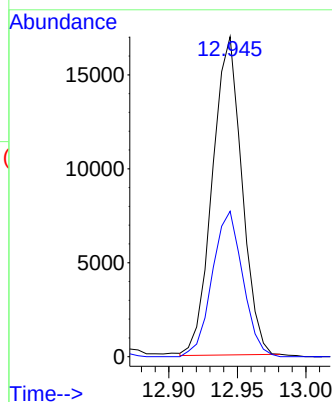
Instrument :
MSVOA_W
ClientSampleId :
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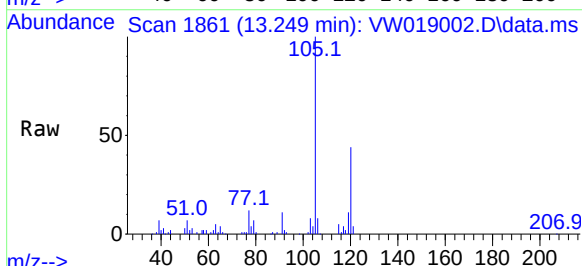
Tgt Ion:105 Resp: 25398
Ion Ratio Lower Upper
105 100
120 47.4 39.0 58.6

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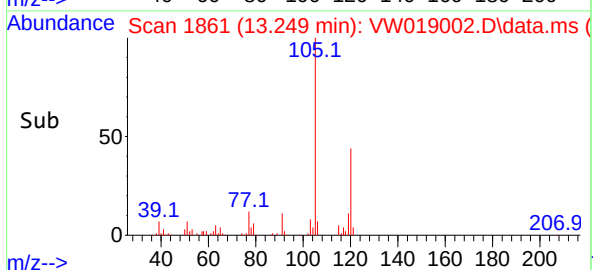
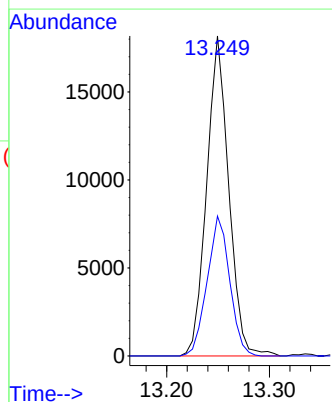
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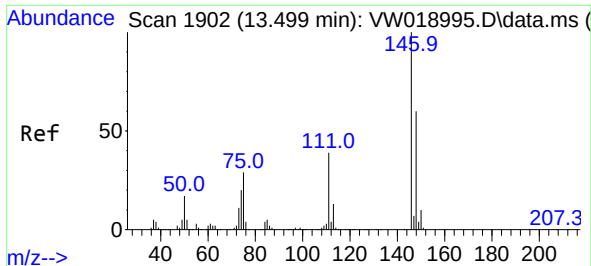


#63
1,2,4-Trimethylbenzene
Concen: 0.87 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39



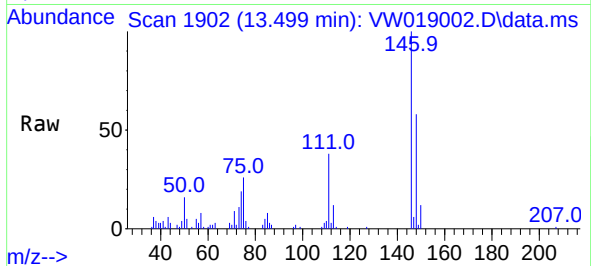
Tgt Ion:105 Resp: 27110
Ion Ratio Lower Upper
105 100
120 44.6 35.6 53.4





#64
1,3-Dichlorobenzene
Concen: 0.93 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

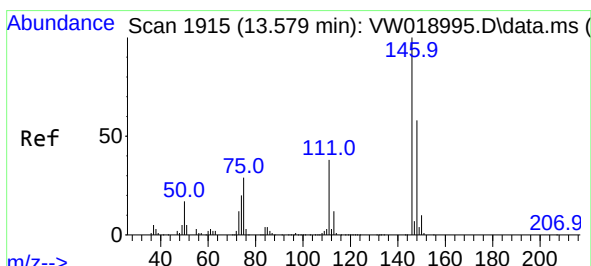
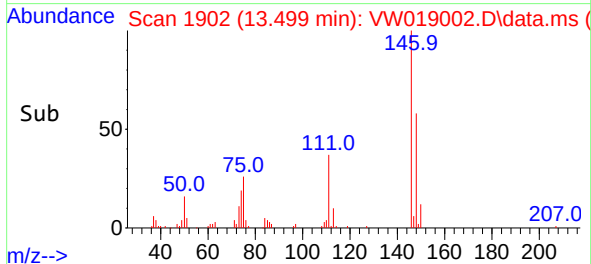
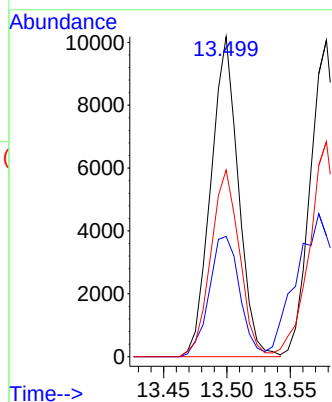
Instrument :
MSVOA_W
ClientSampleId :
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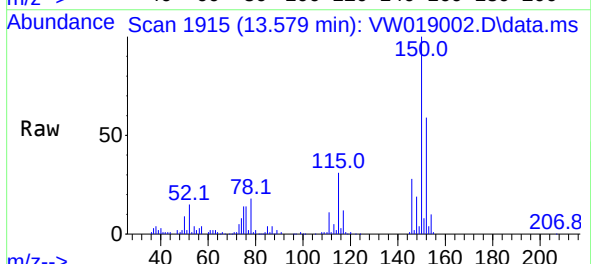
Tgt Ion:	146	Resp:	15420
Ion Ratio	Lower	Upper	
146	100		
111	37.6	26.7	49.7
148	58.4	41.1	76.3

Manual Integrations
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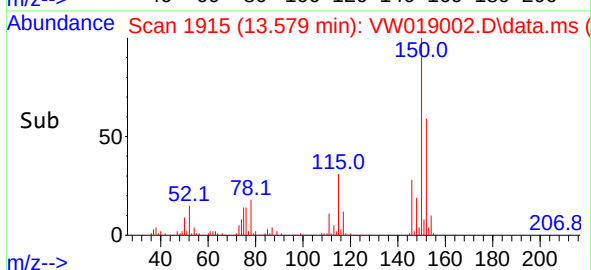
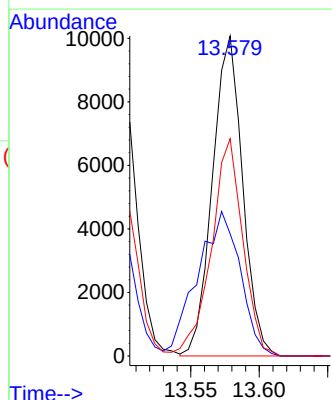
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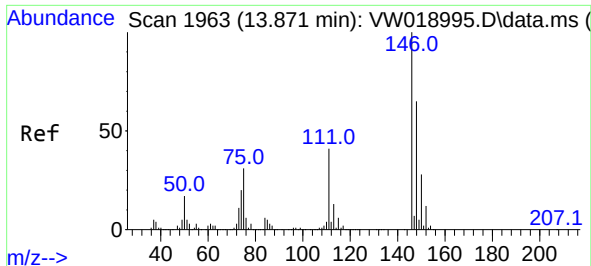


#65
1,4-Dichlorobenzene
Concen: 0.93 ug/L
RT: 13.579 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39



Tgt Ion:	146	Resp:	15421
Ion Ratio	Lower	Upper	
146	100		
111	38.1	28.8	53.4
148	67.9	46.8	87.0





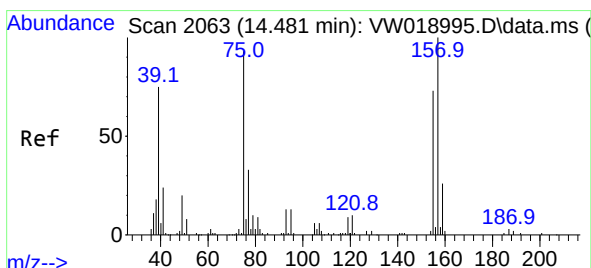
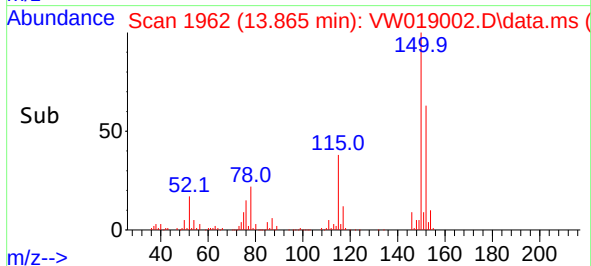
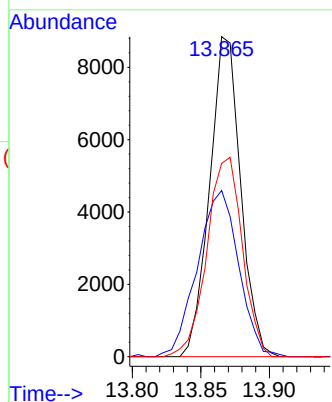
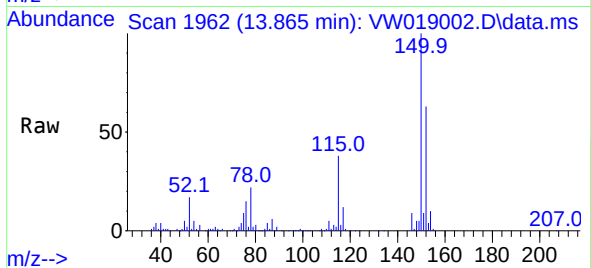
#67
1,2-Dichlorobenzene
Concen: 0.95 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. -0.006 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion:	146	Resp:	13938
Ion Ratio	Lower	Upper	
146	100		
111	52.0	33.2	49.8#
148	60.4	50.4	75.6

Instrument :
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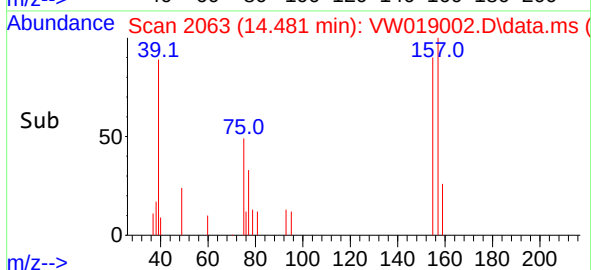
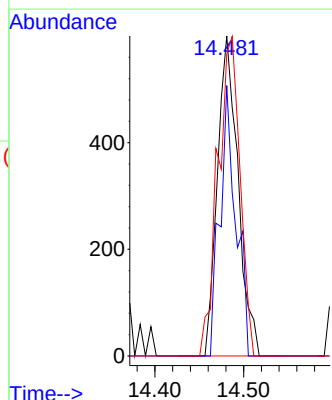
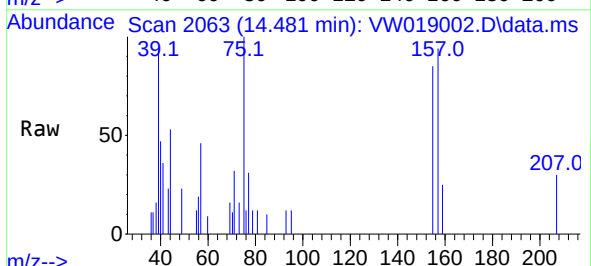
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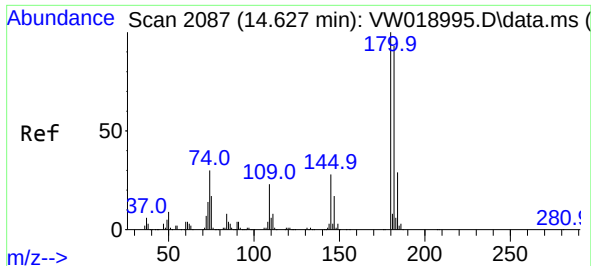
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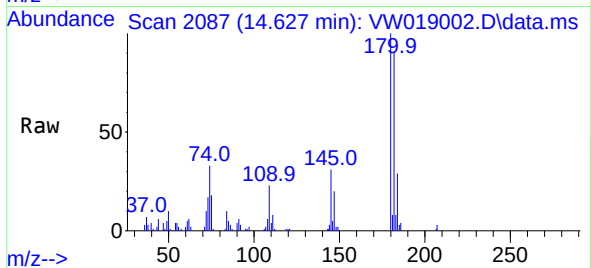
#68
1,2-Dibromo-3-chloropropane
Concen: 0.95 ug/L m
RT: 14.481 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion:	75	Resp:	965
Ion Ratio	Lower	Upper	
75	100		
155	84.5	59.4	89.0
157	94.3	72.2	108.2

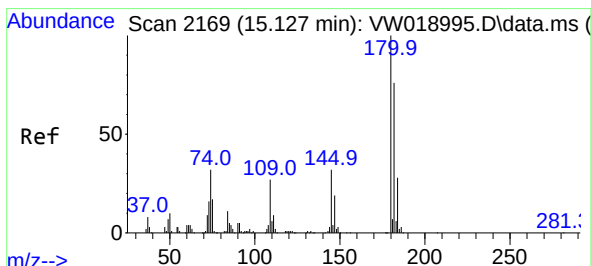
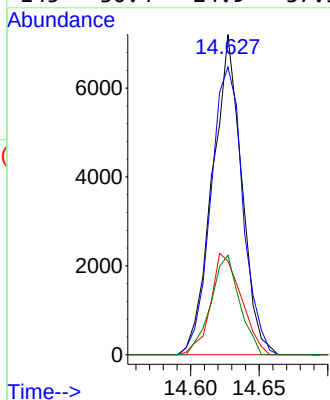
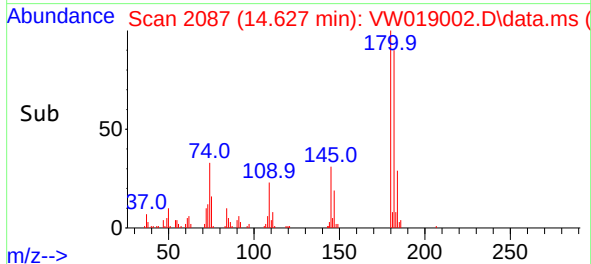




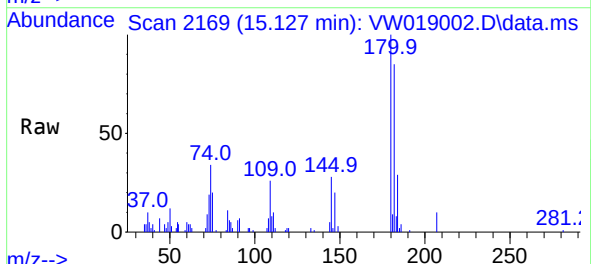
#69
1,3,5-Trichlorobenzene
Concen: 0.88 ug/L
RT: 14.627 min Scan# 2087
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39



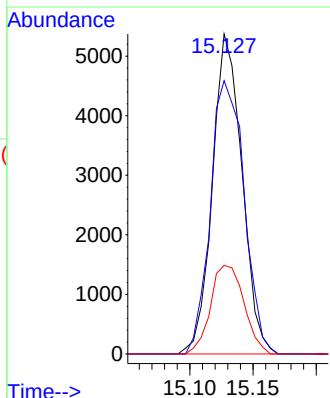
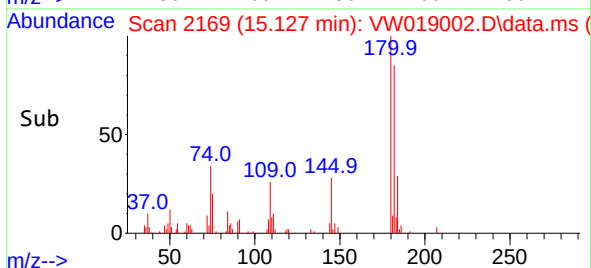
Tgt Ion:180 Resp: 10687
Ion Ratio Lower Upper
180 100
182 98.5 73.4 110.2
184 33.2 23.6 35.4
145 30.4 24.9 37.3



#70
1,2,4-trichlorobenzene
Concen: 0.90 ug/L
RT: 15.127 min Scan# 2169
Delta R.T. 0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39



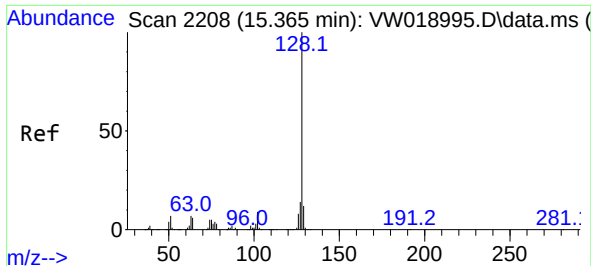
Tgt Ion:180 Resp: 8729
Ion Ratio Lower Upper
180 100
182 97.6 74.7 112.1
145 31.3 25.0 37.4



Instrument :
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ClientSampleId :
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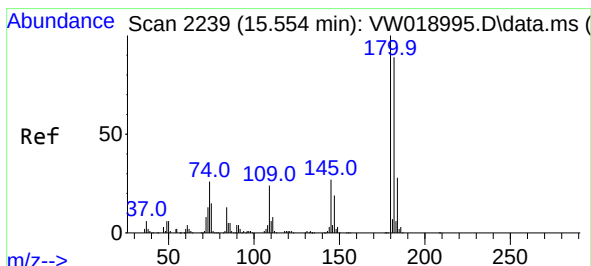
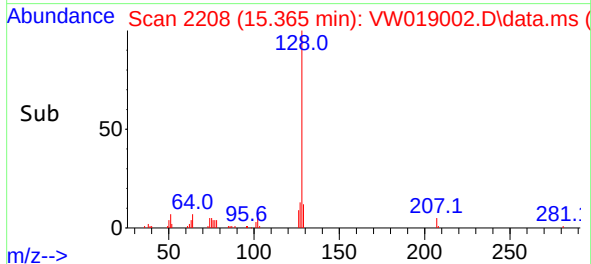
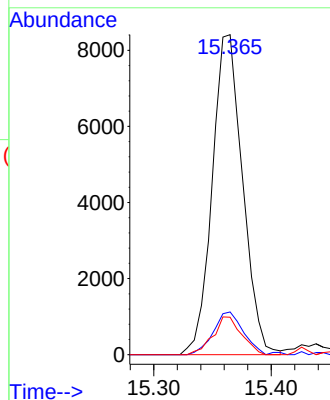
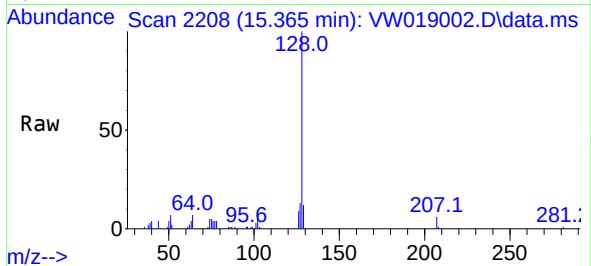
#71
Naphthalene
Concen: 0.87 ug/L
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion:	128	Resp:	15139
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	11.2	9.0	13.6

Instrument :
MSVOA_W
ClientSampleId :
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#72
1,2,3-Trichlorobenzene
Concen: 0.96 ug/L
RT: 15.548 min Scan# 2238
Delta R.T. -0.006 min
Lab File: VW019002.D
Acq: 14 May 2021 16:39

Tgt Ion:	180	Resp:	8192
Ion Ratio	Lower	Upper	
180	100		
182	90.2	76.7	115.1
145	31.1	28.9	43.3

