

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW012621\
 Data File : VW020166.D
 Acq On : 25 Jan 2021 22:42
 Operator : SY/MD
 Sample : L5214-05
 Misc : 5.0G/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT1-2021-01

Manual Integrations
 APPROVED

MMDadoda
 1/29/2021 11:56:56 AM

Quant Time: Jan 26 05:50:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM012621WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jan 25 18:17:01 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.621	114	393847	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.855	117	367786	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.257	152	205691	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.309	65	166691	53.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	106.64%
7) Chloroethane-d5	1.569	69	137342	57.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	115.20%
11) 1,1-Dichloroethene-d2	2.110	63	240516	43.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.16%
21) 2-Butanone-d5	3.891	46	218302	113.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.69%
24) Chloroform-d	4.354	84	277108	52.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.38%
26) 1,2-Dichloroethane-d4	5.035	65	200410	55.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	111.80%
32) Benzene-d6	5.055	84	512909	54.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.72%
36) 1,2-Dichloropropane-d6	6.074	67	176538	57.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	114.66%
41) Toluene-d8	7.318	98	459829	51.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.76%
43) trans-1,3-Dichloroprop...	7.624	79	77030	51.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.46%
47) 2-Hexanone-d5	8.090	63	150055	112.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.23%
56) 1,1,2,2-Tetrachloroeth...	10.222	84	244883	54.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.40%
66) 1,2-Dichlorobenzene-d4	11.630	152	209104	53.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.90%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.129	85	5434	1.99	ug/L	98
3) Chloromethane	1.241	50	10028	2.76	ug/L	100
5) Vinyl chloride	1.312	62	7270	2.39	ug/L #	53
6) Bromomethane	1.524	94	3733	2.76	ug/L	94
8) Chloroethane	1.585	64	4628	2.46	ug/L	93
9) Trichlorofluoromethane	1.753	101	8150	1.90	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.116	101	6723	2.78	ug/L #	77
12) 1,1-Dichloroethene	2.116	96	6577	2.81	ug/L #	1
13) Acetone	2.184	43	7297	5.17	ug/L	86
14) Carbon disulfide	2.296	76	12597	2.04	ug/L	98
15) Methyl Acetate	2.441	43	5051	1.85	ug/L	95
16) Methylene chloride	2.511	84	6065	2.42	ug/L	94
17) trans-1,2-Dichloroethene	2.765	96	4694	2.08	ug/L	97
18) Methyl tert-butyl Ether	2.772	73	16237	2.11	ug/L #	89
19) 1,1-Dichloroethane	3.193	63	9332	2.03	ug/L	95
20) cis-1,2-Dichloroethene	3.917	96	5220	2.04	ug/L	99
22) 2-Butanone	4.007	43	9713m	5.12	ug/L	
23) Bromochloromethane	4.257	128	2538	1.97	ug/L #	74
25) Chloroform	4.383	83	11983	2.51	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.142	62	8126	2.00	ug/L	98
29) Cyclohexane	4.682	56	6870	2.02	ug/L #	89
30) 1,1,1-Trichloroethane	4.617	97	8568	2.12	ug/L #	80
31) Carbon tetrachloride	4.836	117	6337	1.86	ug/L	97
33) Benzene	5.109	78	19598	2.01	ug/L	100
34) Trichloroethene	5.923	95	5868	2.26	ug/L	95
35) Methylcyclohexane	6.135	83	6429	1.74	ug/L #	77
37) 1,2-Dichloropropane	6.183	63	5894	2.34	ug/L #	94
38) Bromodichloromethane	6.515	83	7795	2.21	ug/L	96
39) cis-1,3-Dichloropropene	7.039	75	8208	2.06	ug/L	96
40) 4-Methyl-2-pentanone	7.238	43	15282	3.98	ug/L	98
42) Toluene	7.399	91	20058	1.97	ug/L	93
44) trans-1,3-Dichloropropene	7.659	75	7370	1.93	ug/L	92
45) 1,1,2-Trichloroethane	7.846	97	4865	2.01	ug/L	93
46) Tetrachloroethene	7.984	164	3770	2.02	ug/L	94
48) 2-Hexanone	8.151	43	12795	4.51	ug/L	95
49) Dibromochloromethane	8.251	129	4898	1.78	ug/L	97
50) 1,2-Dibromoethane	8.363	107	5318	1.92	ug/L #	94
51) Chlorobenzene	8.887	112	13680	1.99	ug/L	96
52) Ethylbenzene	9.019	91	20079	1.75	ug/L	99
53) m,p-Xylene	9.148	106	7711	1.78	ug/L	95
54) o-Xylene	9.550	106	7754	1.79	ug/L	99
55) Styrene	9.569	104	11878	1.57	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.247	83	10436	2.47	ug/L	99
59) Bromoform	9.739	173	3666	1.65	ug/L #	96
60) Isopropylbenzene	9.939	105	21728	1.67	ug/L	98
61) 1,2,3-Trichloropropane	10.280	75	7703	2.00	ug/L	94
62) 1,3,5-Trimethylbenzene	10.547	105	17131	1.58	ug/L	95
63) 1,2,4-Trimethylbenzene	10.923	105	16586	1.56	ug/L	98
64) 1,3-Dichlorobenzene	11.193	146	11366	1.88	ug/L	90
65) 1,4-Dichlorobenzene	11.280	146	13174	2.15	ug/L	96
67) 1,2-Dichlorobenzene	11.653	146	12632	2.13	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.440	75	1878	1.73	ug/L	96
69) 1,3,5-Trichlorobenzene	12.656	180	8382	1.88	ug/L	92
70) 1,2,4-trichlorobenzene	13.273	180	8042	1.90	ug/L	99
71) Naphthalene	13.514	128	23263	1.68	ug/L	98
72) 1,2,3-Trichlorobenzene	13.755	180	8158	1.84	ug/L	98

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

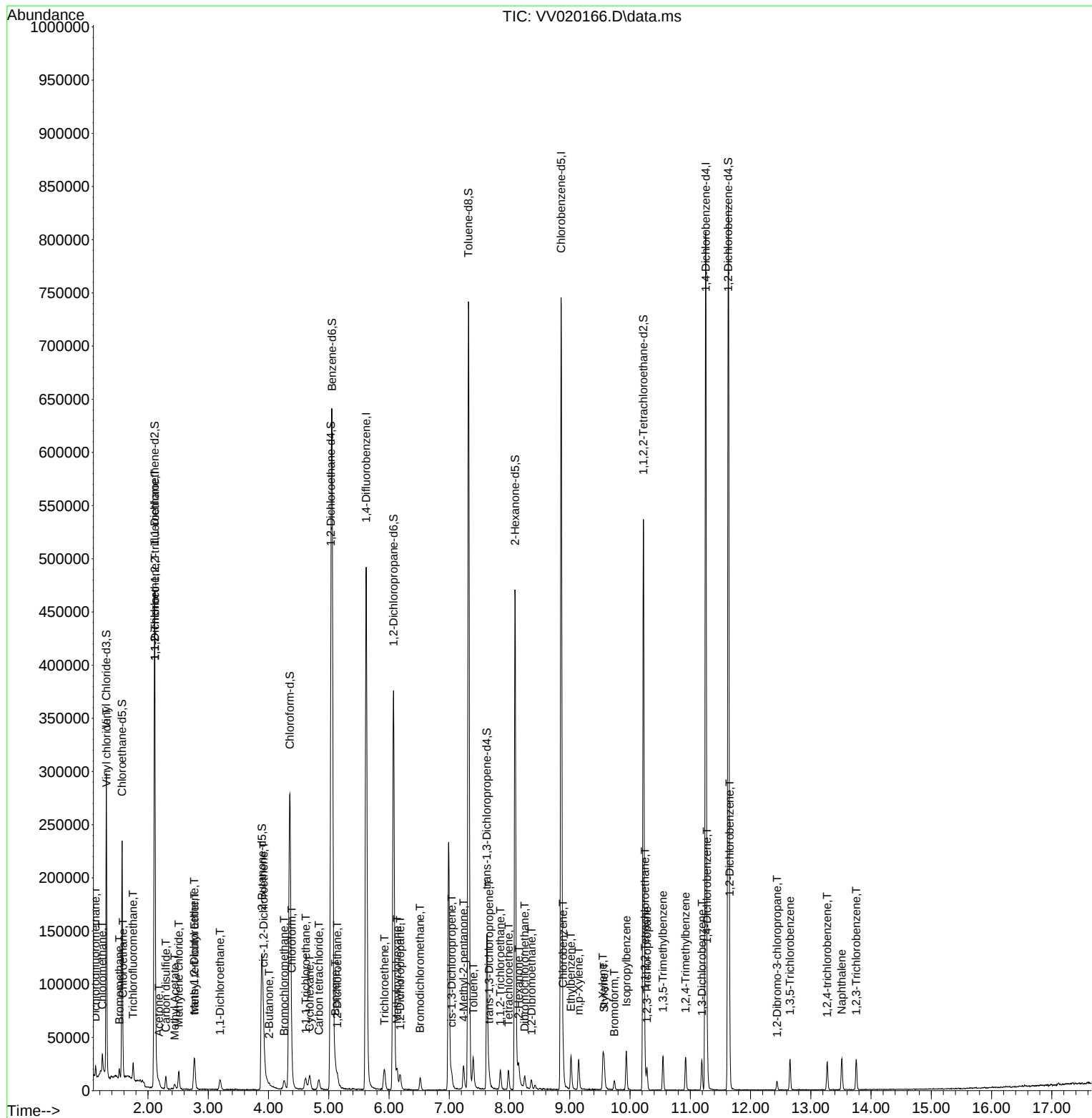
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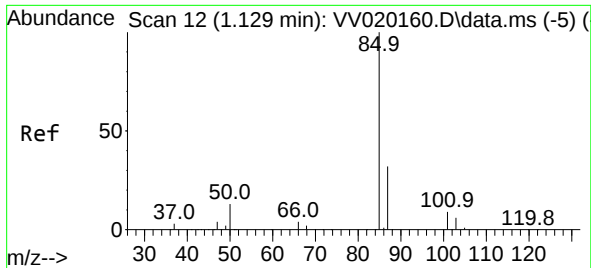
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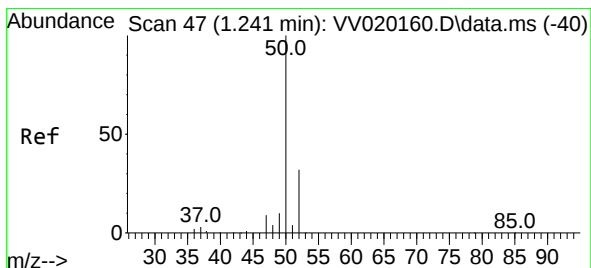
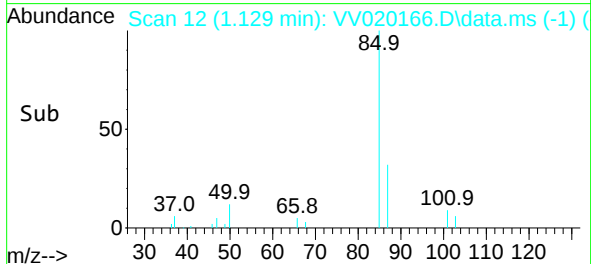
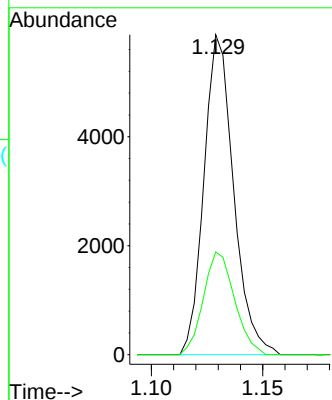
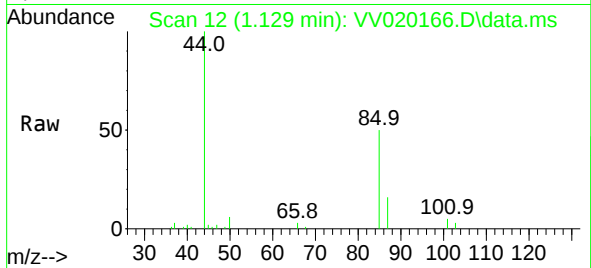
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Dichlorodifluoromethane
Concen: 1.99 ug/L
RT: 1.129 min Scan# 12
Delta R.T. -0.000 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion: 85 Resp: 5434
Ion Ratio Lower Upper
85 100
87 33.7 25.9 38.9

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

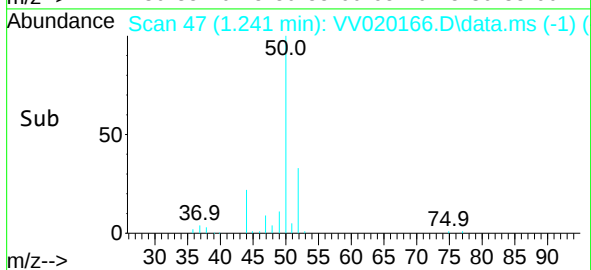
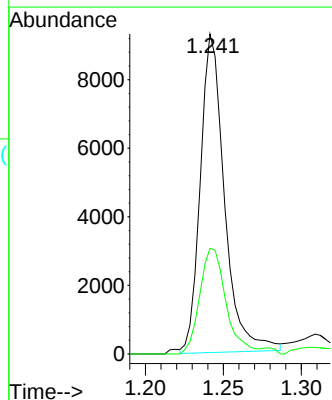
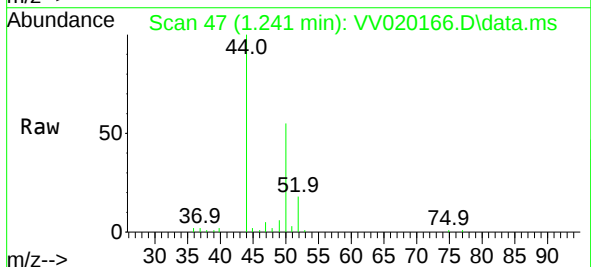
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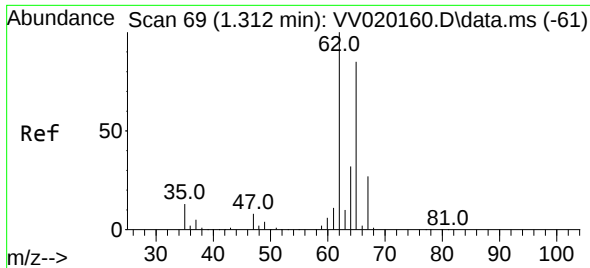
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#3
Chloromethane
Concen: 2.76 ug/L
RT: 1.241 min Scan# 47
Delta R.T. -0.000 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion: 50 Resp: 10028
Ion Ratio Lower Upper
50 100
52 33.0 23.0 42.6





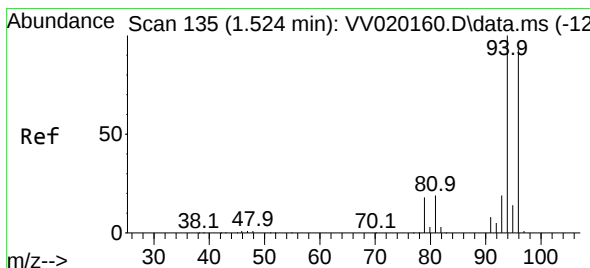
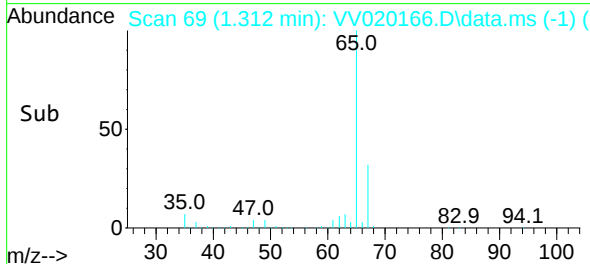
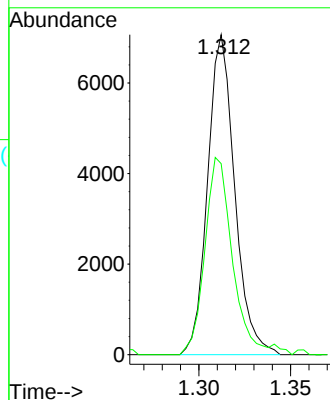
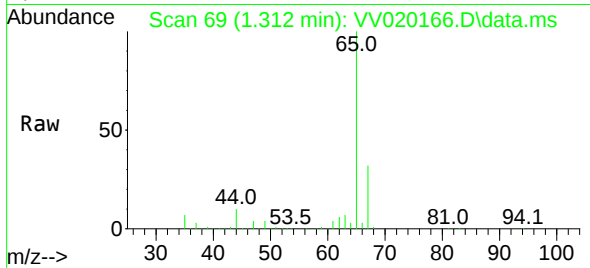
#5
 Vinyl chloride
 Concen: 2.39 ug/L
 RT: 1.312 min Scan# 69
 Delta R.T. -0.000 min
 Lab File: VV020166.D
 Acq: 25 Jan 2021 22:42

Tgt Ion: 62 Resp: 7270
 Ion Ratio Lower Upper
 62 100
 64 59.7 23.3 43.3#

Instrument :
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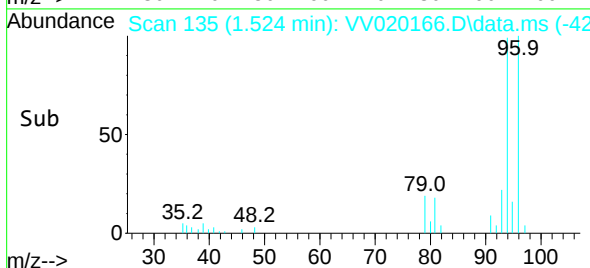
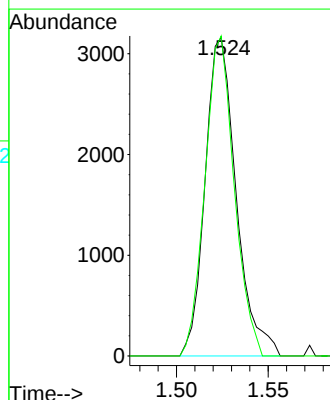
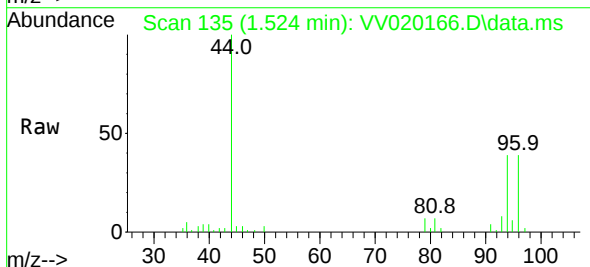
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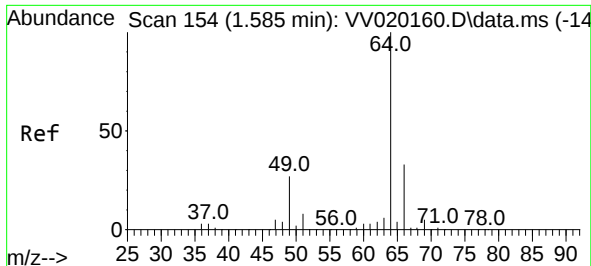
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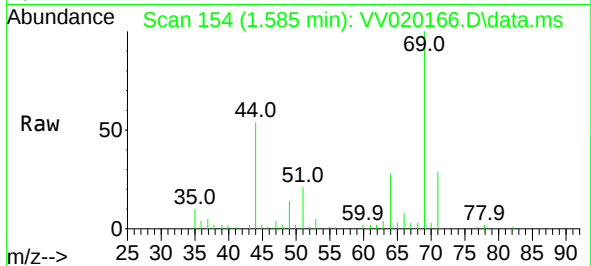
#6
 Bromomethane
 Concen: 2.76 ug/L
 RT: 1.524 min Scan# 135
 Delta R.T. -0.000 min
 Lab File: VV020166.D
 Acq: 25 Jan 2021 22:42

Tgt Ion: 94 Resp: 3733
 Ion Ratio Lower Upper
 94 100
 96 100.5 66.4 123.2

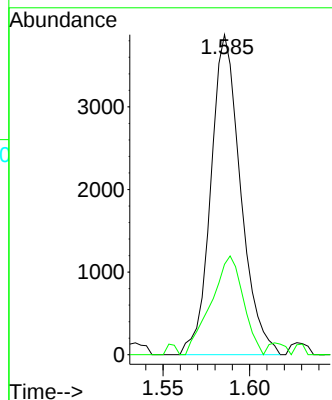
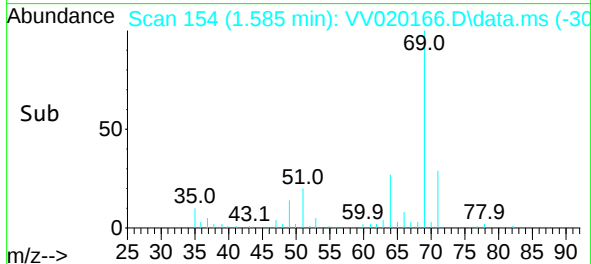




#8
Chloroethane
Concen: 2.46 ug/L
RT: 1.585 min Scan# 154
Delta R.T. -0.000 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42



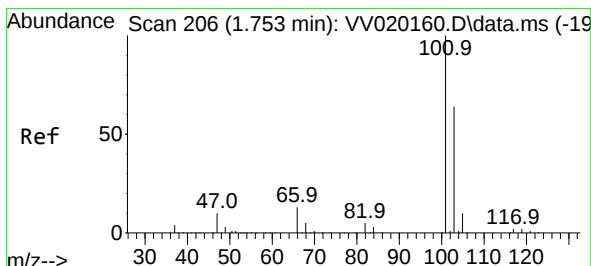
Tgt Ion: 64 Resp: 4628
Ion Ratio Lower Upper
64 100
66 28.2 22.5 41.9



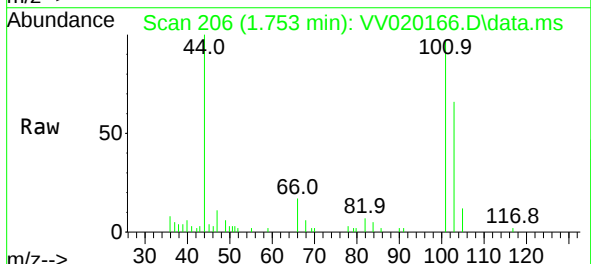
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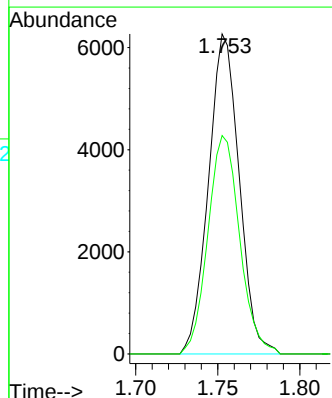
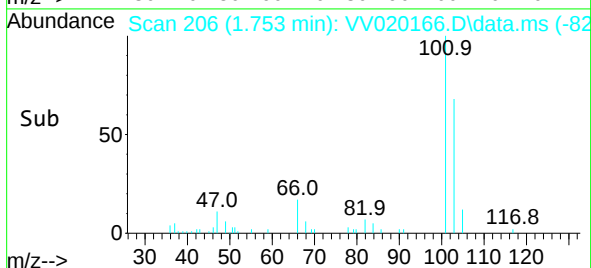
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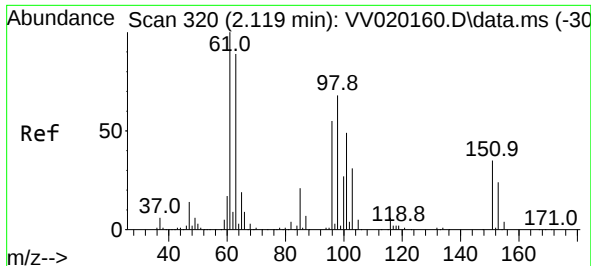


#9
Trichlorofluoromethane
Concen: 1.90 ug/L
RT: 1.753 min Scan# 206
Delta R.T. -0.000 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42



Tgt Ion: 101 Resp: 8150
Ion Ratio Lower Upper
101 100
103 70.7 52.3 78.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.78 ug/L

RT: 2.116 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV020166.D

Acq: 25 Jan 2021 22:42

Tgt Ion:101 Resp: 6723

Ion Ratio Lower Upper

101 100

85 34.7 35.6 53.4#

151 55.9 64.1 96.1#

Instrument :

MSVOA_V

ClientSampleId :

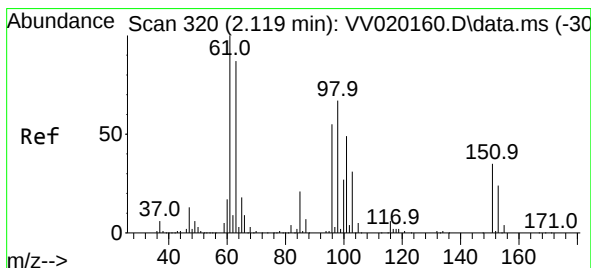
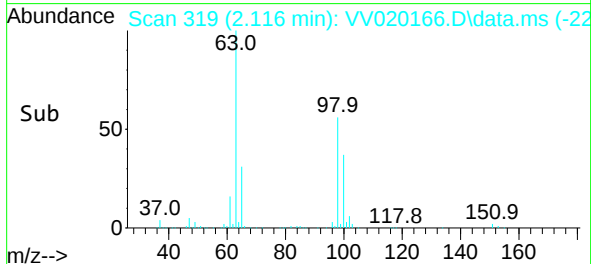
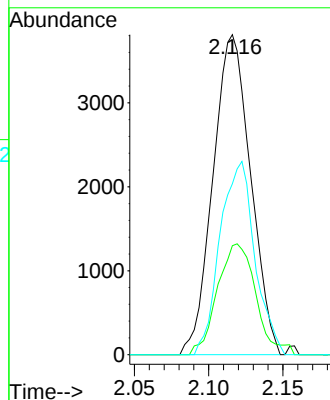
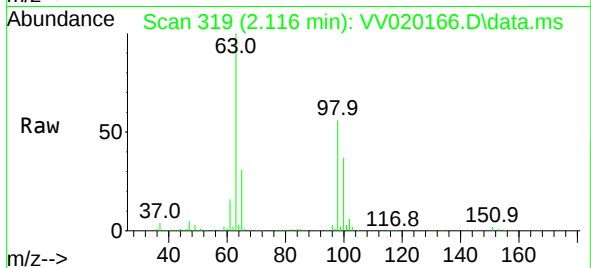
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#12

1,1-Dichloroethene

Concen: 2.81 ug/L

RT: 2.116 min Scan# 319

Delta R.T. -0.003 min

Lab File: VV020166.D

Acq: 25 Jan 2021 22:42

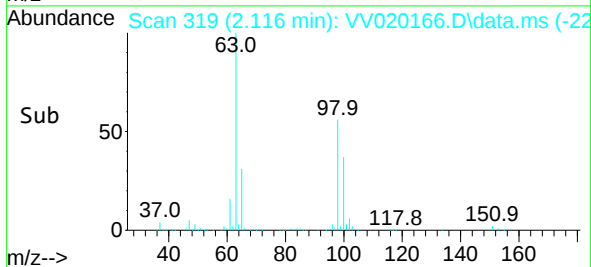
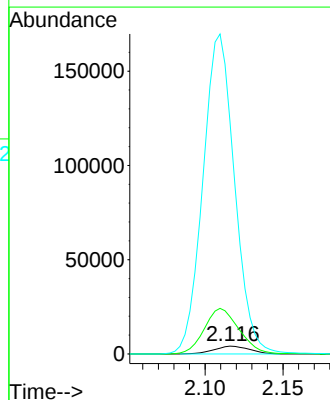
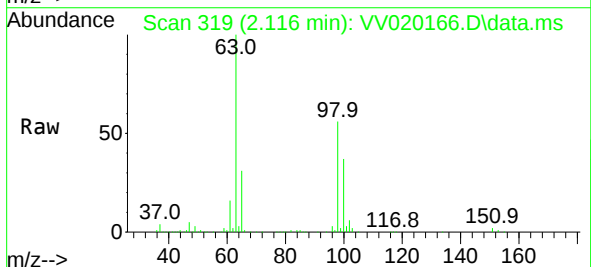
Tgt Ion: 96 Resp: 6577

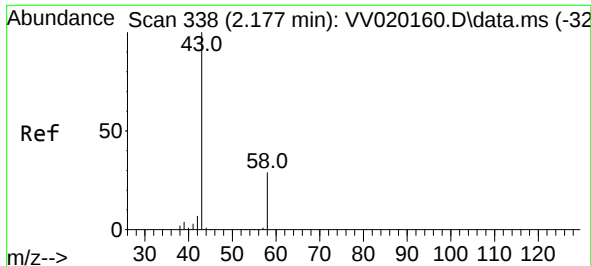
Ion Ratio Lower Upper

96 100

61 475.3 133.6 248.0#

63 2962.1 103.0 191.2#





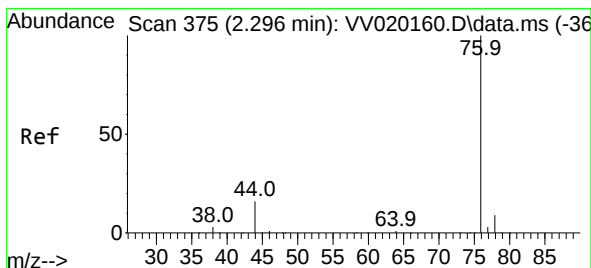
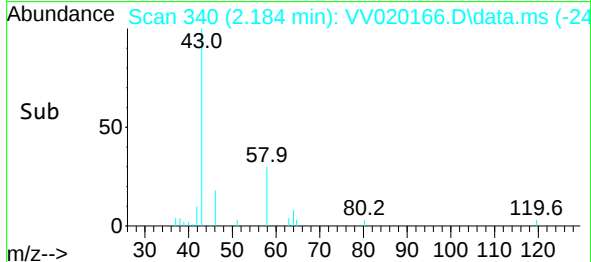
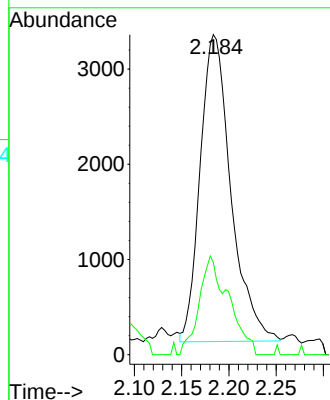
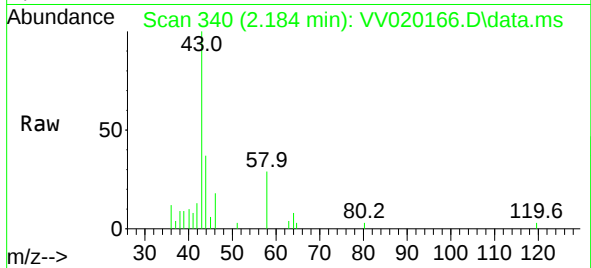
#13
Acetone
Concen: 5.17 ug/L
RT: 2.184 min Scan# 340
Delta R.T. 0.006 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion: 43 Resp: 7297
Ion Ratio Lower Upper
43 100
58 21.2 0.0 57.8

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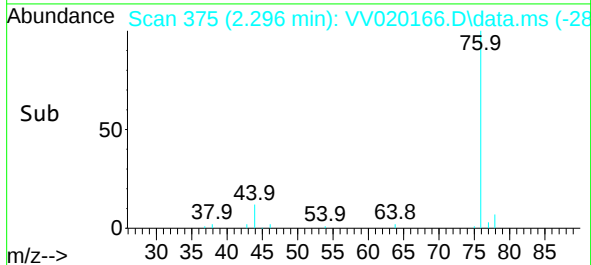
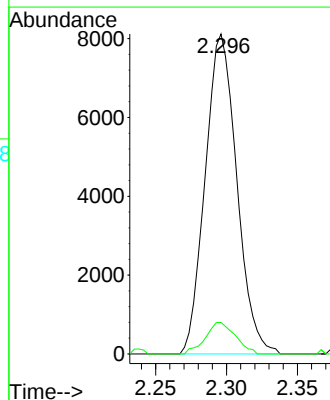
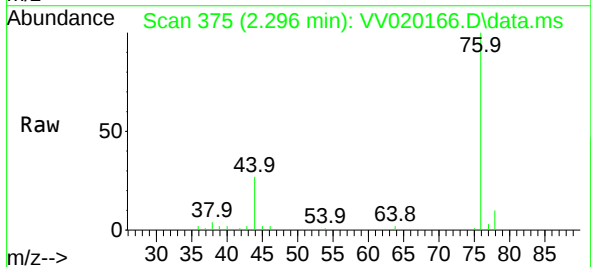
Manual Integrations
APPROVED

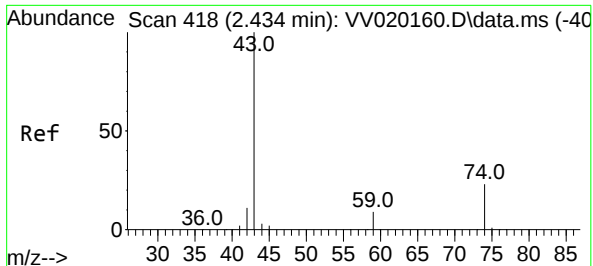
MMDadoda
1/29/2021 11:56:56 AM



#14
Carbon disulfide
Concen: 2.04 ug/L
RT: 2.296 min Scan# 375
Delta R.T. -0.000 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion: 76 Resp: 12597
Ion Ratio Lower Upper
76 100
78 9.9 7.4 11.0





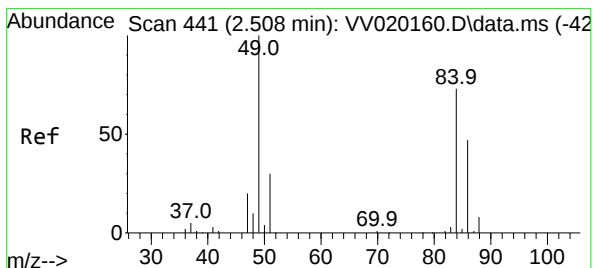
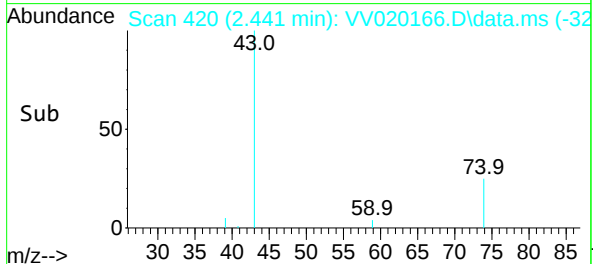
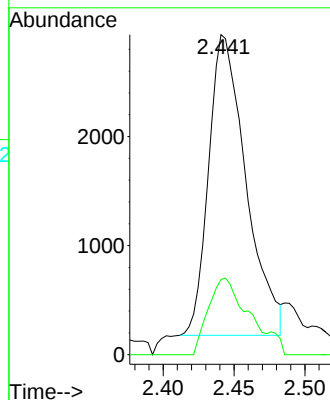
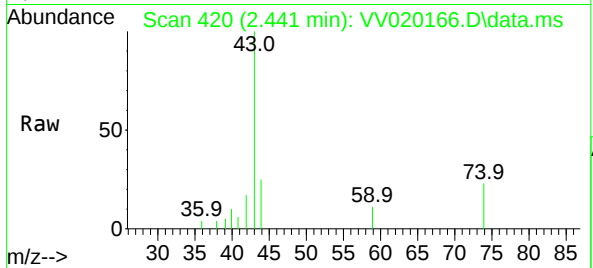
#15
Methyl Acetate
Concen: 1.85 ug/L
RT: 2.441 min Scan# 420
Delta R.T. 0.006 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion: 43 Resp: 5051
Ion Ratio Lower Upper
43 100
74 26.0 18.8 28.2

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

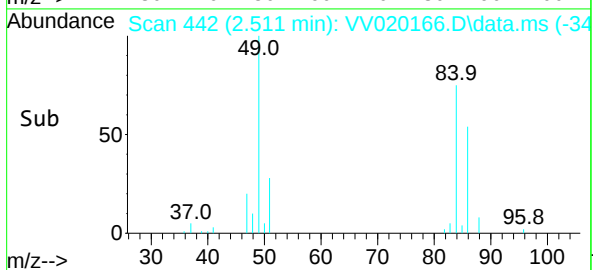
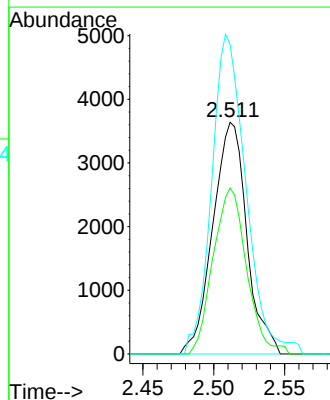
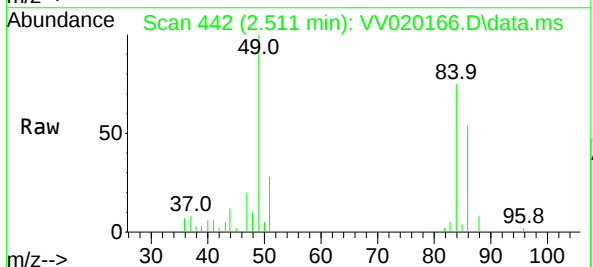
Manual Integrations
APPROVED

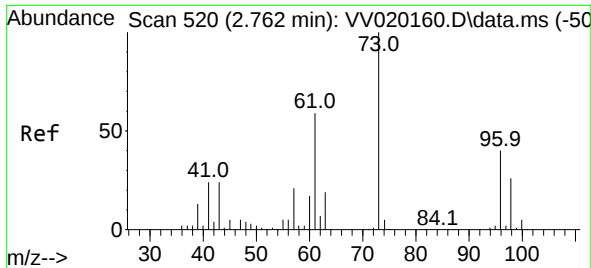
MMDadoda
1/29/2021 11:56:56 AM



#16
Methylene chloride
Concen: 2.42 ug/L
RT: 2.511 min Scan# 442
Delta R.T. 0.003 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion: 84 Resp: 6065
Ion Ratio Lower Upper
84 100
86 71.6 45.6 84.8
49 133.5 89.3 165.9





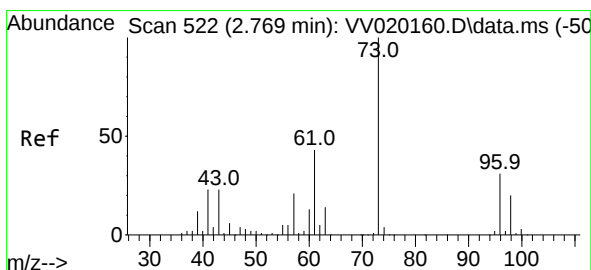
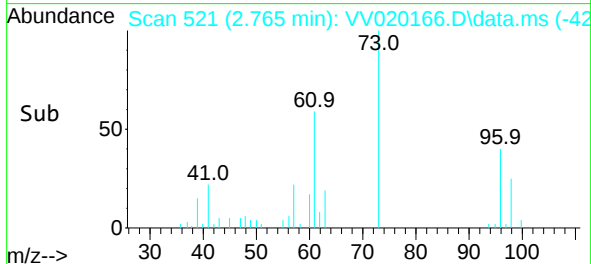
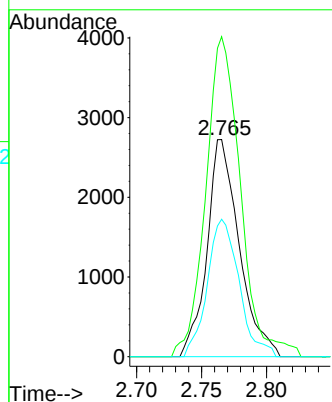
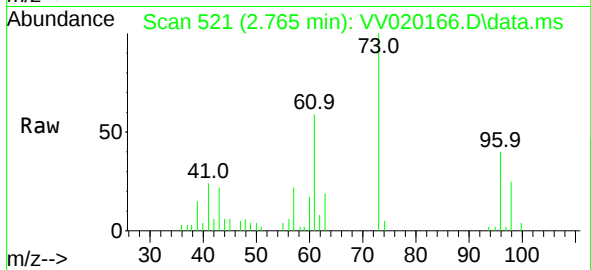
#17
trans-1,2-Dichloroethene
Concen: 2.08 ug/L
RT: 2.765 min Scan# 521
Delta R.T. 0.003 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion: 96 Resp: 4694
Ion Ratio Lower Upper
96 100
61 147.4 100.7 187.1
98 63.3 42.9 79.7

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

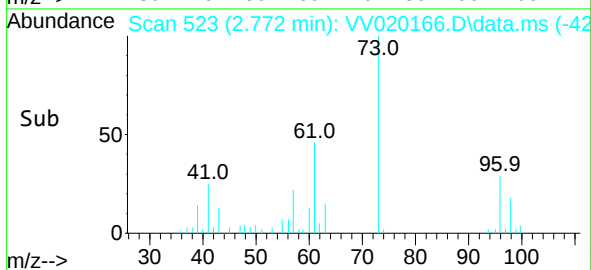
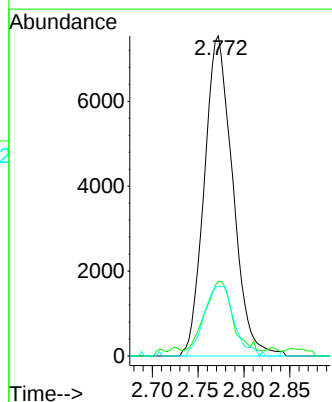
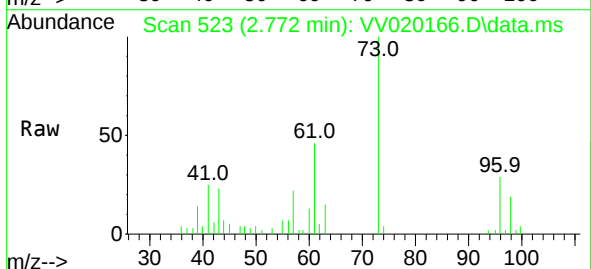
Manual Integrations
APPROVED

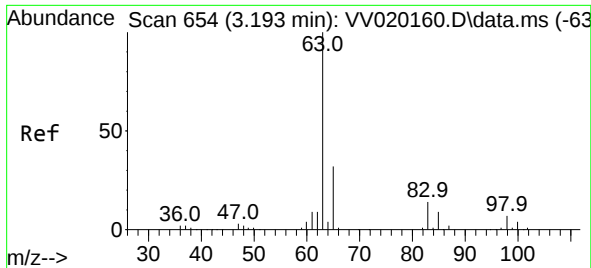
MMDadoda
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#18
Methyl tert-butyl Ether
Concen: 2.11 ug/L
RT: 2.772 min Scan# 523
Delta R.T. 0.003 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion: 73 Resp: 16237
Ion Ratio Lower Upper
73 100
43 21.8 17.9 26.9
57 11.9 17.1 25.7#





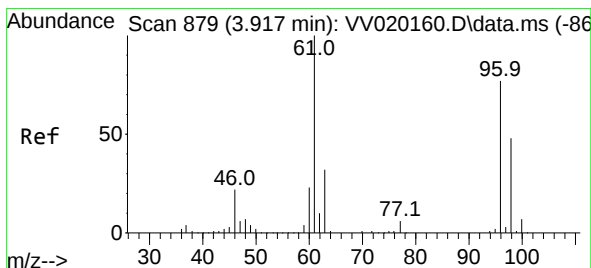
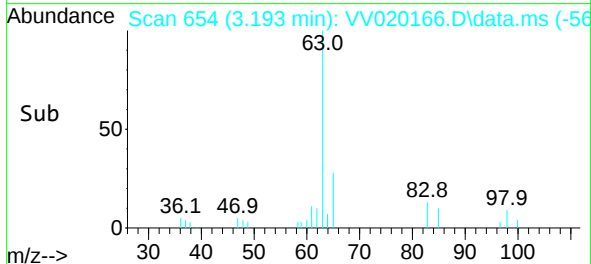
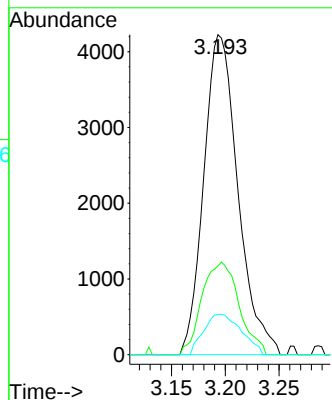
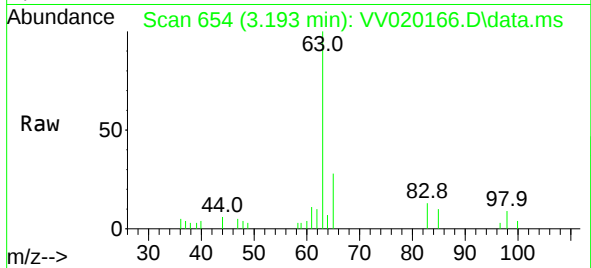
#19
1,1-Dichloroethane
Concen: 2.03 ug/L
RT: 3.193 min Scan# 654
Delta R.T. -0.000 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion:	63	Resp:	9332
Ion	Ratio	Lower	Upper
63	100		
65	27.7	21.8	40.6
83	12.6	9.5	17.7

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

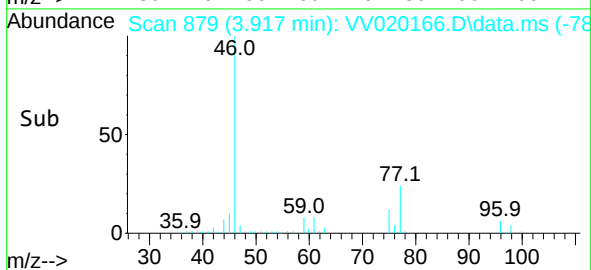
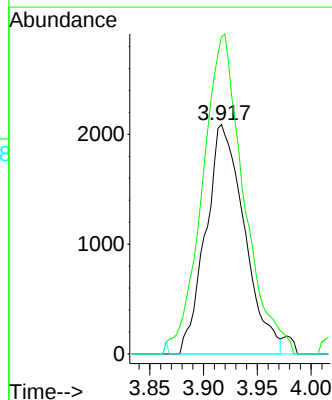
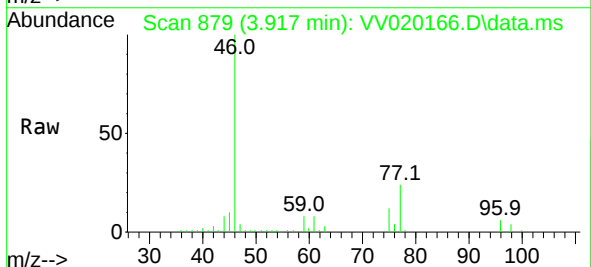
Manual Integrations
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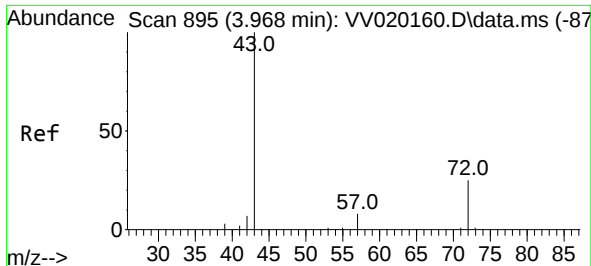
MMDadoda
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#20
cis-1,2-Dichloroethene
Concen: 2.04 ug/L
RT: 3.917 min Scan# 879
Delta R.T. -0.000 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion:	96	Resp:	5220
Ion	Ratio	Lower	Upper
96	100		
61	138.2	95.6	177.6
68	0.0	0.0	0.0





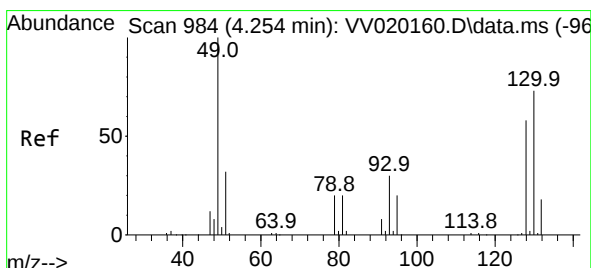
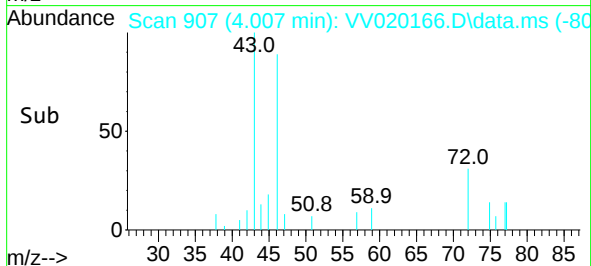
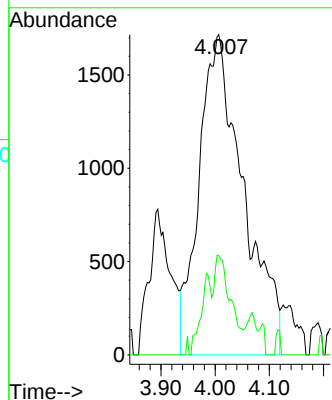
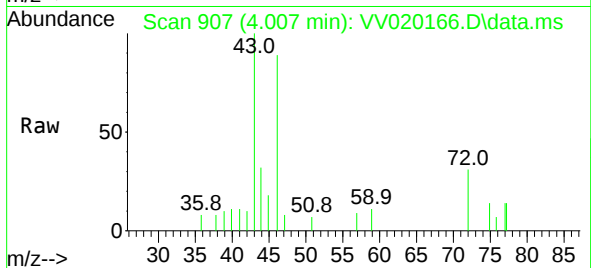
#22
2-Butanone
Concen: 5.12 ug/L m
RT: 4.007 min Scan# 907
Delta R.T. 0.039 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion: 43 Resp: 9713
Ion Ratio Lower Upper
43 100
72 3.4 12.7 38.0#

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

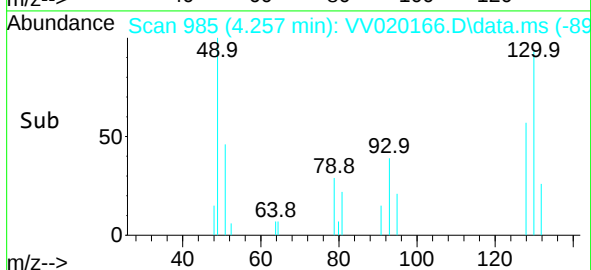
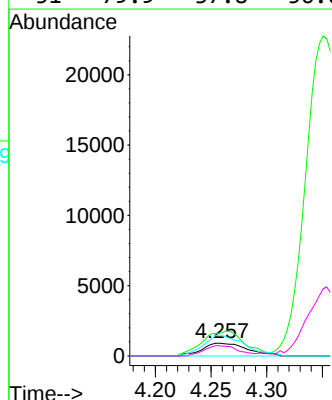
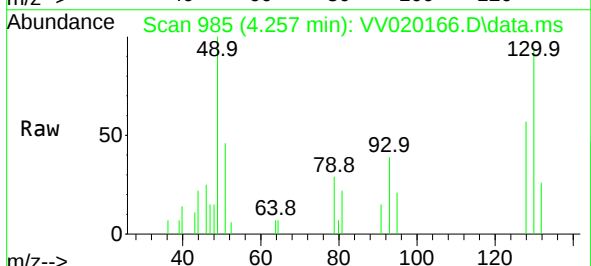
Manual Integrations
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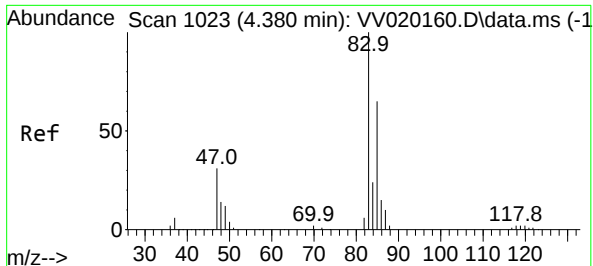
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#23
Bromochloromethane
Concen: 1.97 ug/L
RT: 4.257 min Scan# 985
Delta R.T. 0.003 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion: 128 Resp: 2538
Ion Ratio Lower Upper
128 100
49 174.5 108.8 202.2
130 162.4 88.5 164.3
51 79.9 37.8 56.6#





#25

Chloroform

Concen: 2.51 ug/L

RT: 4.383 min Scan# 1024

Delta R.T. 0.003 min

Lab File: VV020166.D

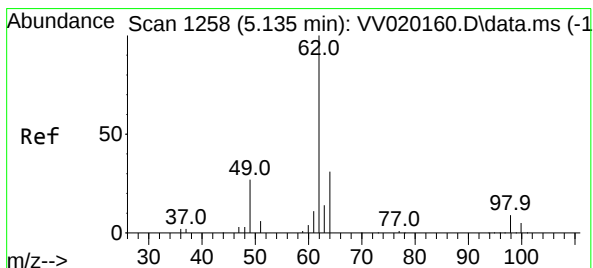
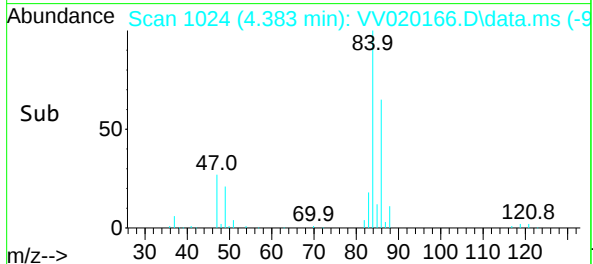
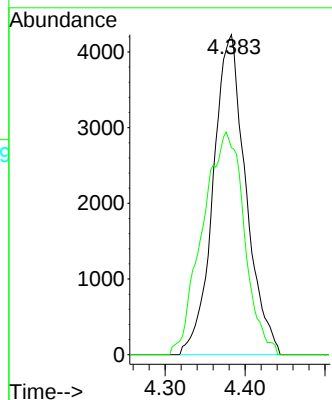
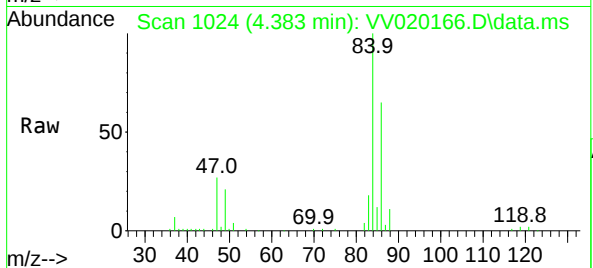
Acq: 25 Jan 2021 22:42

Tgt Ion: 83 Resp: 11983

Ion Ratio Lower Upper

83 100

85 64.7 45.4 84.4



#27

1,2-Dichloroethane

Concen: 2.00 ug/L

RT: 5.142 min Scan# 1260

Delta R.T. 0.006 min

Lab File: VV020166.D

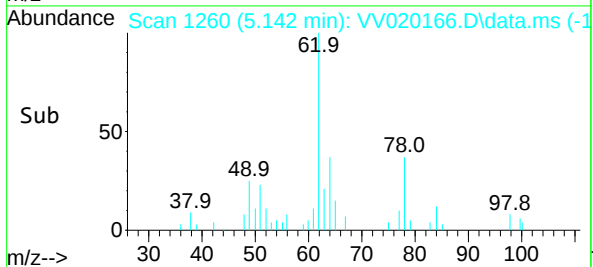
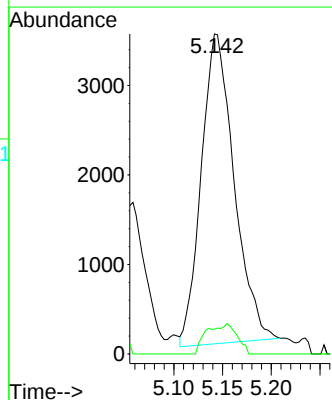
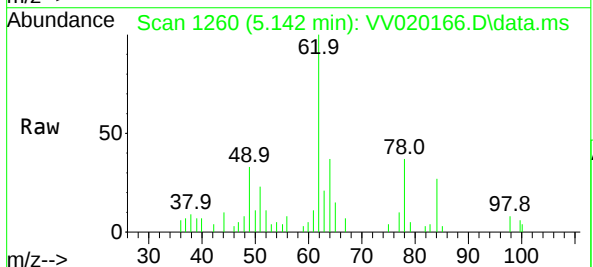
Acq: 25 Jan 2021 22:42

Tgt Ion: 62 Resp: 8126

Ion Ratio Lower Upper

62 100

98 7.7 6.8 10.2



Instrument :

MSVOA_V

ClientSampleId :

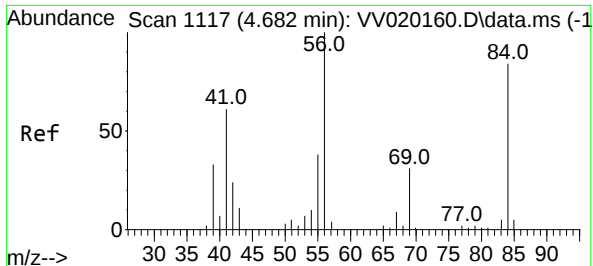
MDL-MED-SOIL-QT1-2021-01

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#29

Cyclohexane

Concen: 2.02 ug/L

RT: 4.682 min Scan# 1117

Delta R.T. -0.000 min

Lab File: VV020166.D

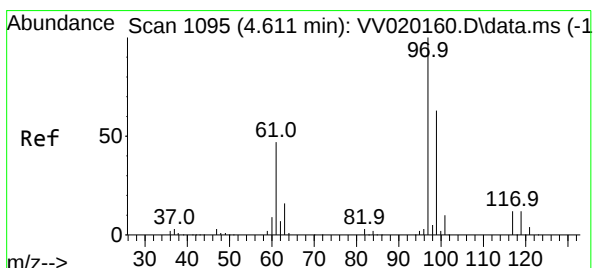
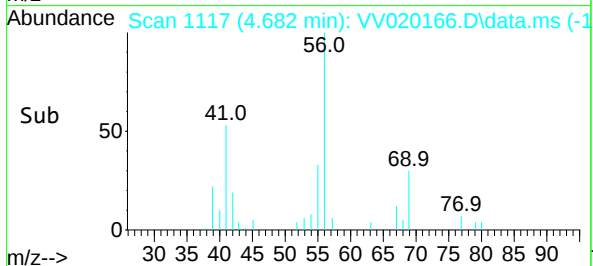
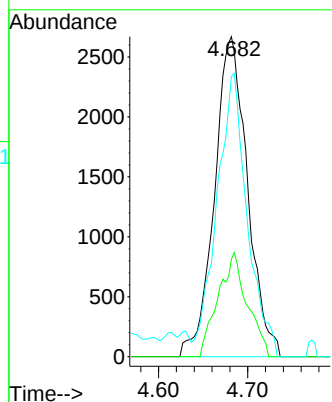
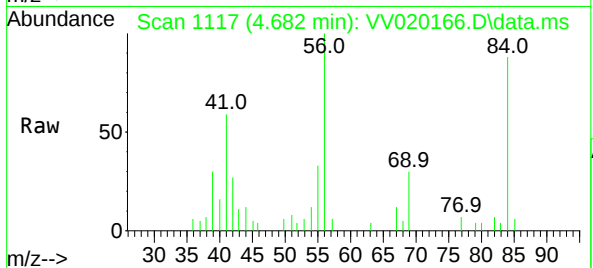
Acq: 25 Jan 2021 22:42

Tgt Ion:	56	Resp:	6870
Ion	Ratio	Lower	Upper
56	100		
69	18.5	24.6	36.8#
84	81.6	70.5	105.7

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

Manual Integrations
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#30

1,1,1-Trichloroethane

Concen: 2.12 ug/L

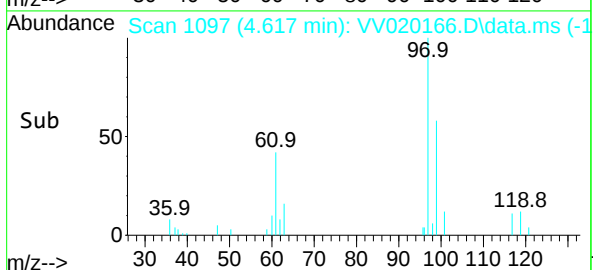
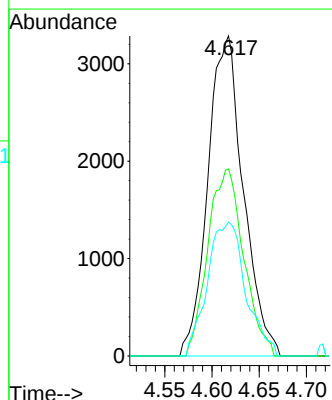
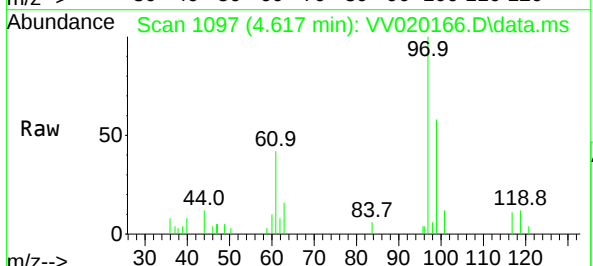
RT: 4.617 min Scan# 1097

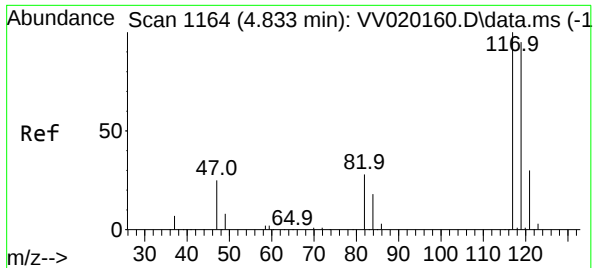
Delta R.T. 0.006 min

Lab File: VV020166.D

Acq: 25 Jan 2021 22:42

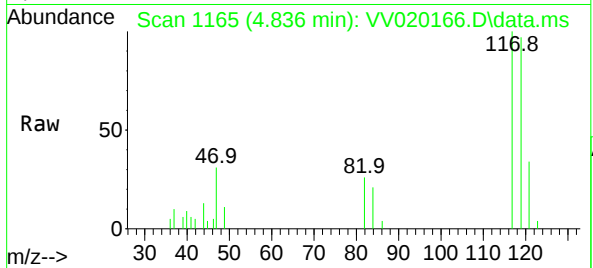
Tgt Ion:	97	Resp:	8568
Ion	Ratio	Lower	Upper
97	100		
99	59.1	52.0	78.0
61	19.8	35.3	52.9#





#31
Carbon tetrachloride
Concen: 1.86 ug/L
RT: 4.836 min Scan# 1165
Delta R.T. 0.003 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

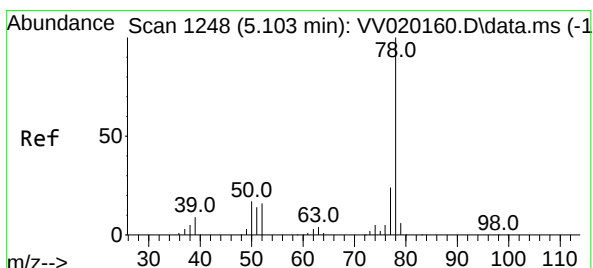
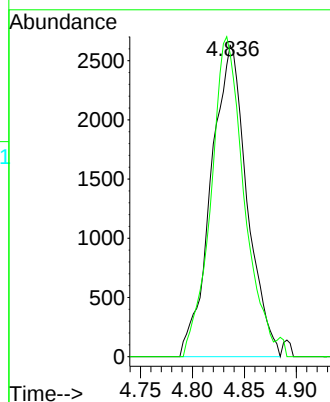
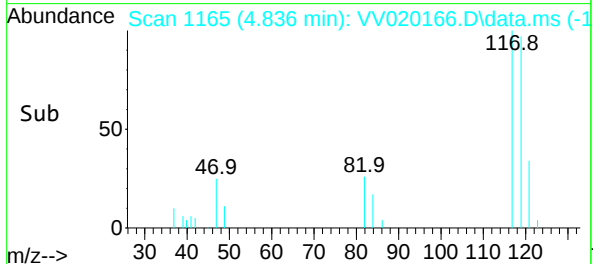
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01



Tgt Ion:117 Resp: 6337
Ion Ratio Lower Upper
117 100
119 94.1 77.8 116.6

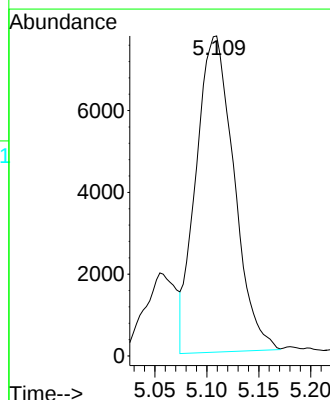
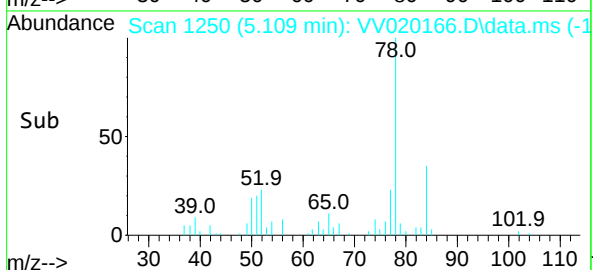
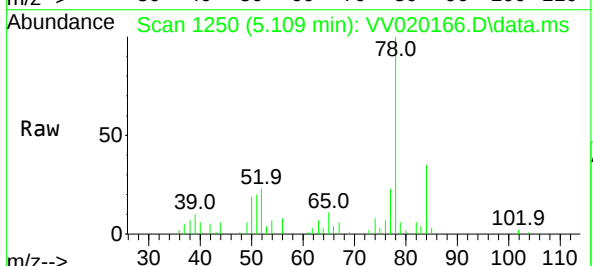
Manual Integrations
APPROVED

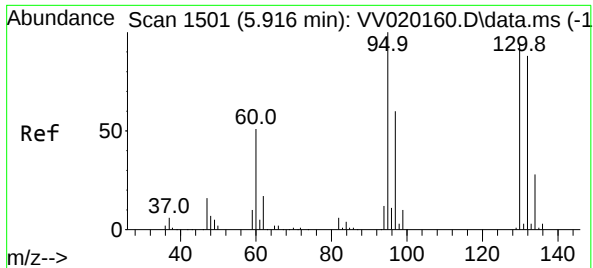
MMDadoda
1/29/2021 11:56:56 AM



#33
Benzene
Concen: 2.01 ug/L
RT: 5.109 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion: 78 Resp: 19598





#34

Trichloroethene

Concen: 2.26 ug/L

RT: 5.923 min Scan# 1503

Delta R.T. 0.006 min

Lab File: VV020166.D

Acq: 25 Jan 2021 22:42

Tgt Ion: 95 Resp: 5868

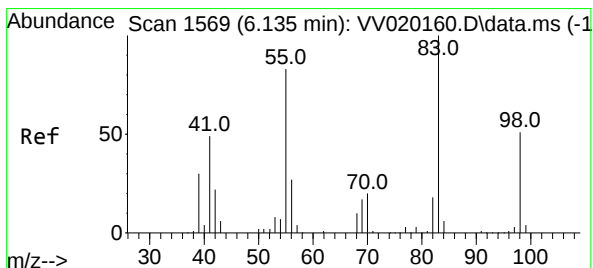
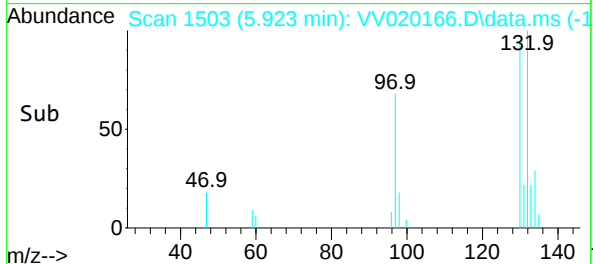
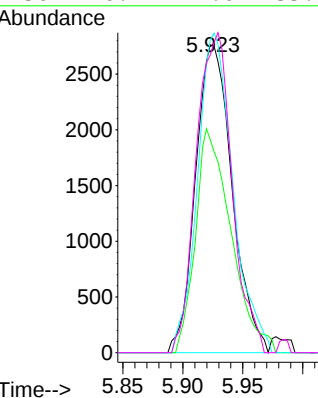
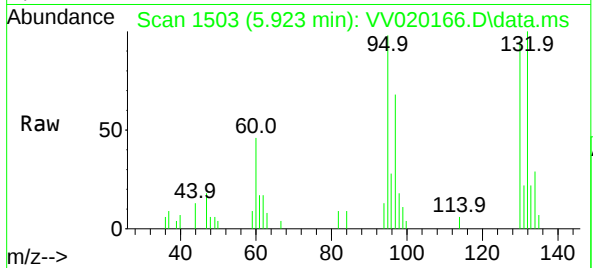
Ion Ratio Lower Upper

95 100

97 69.2 45.4 84.4

132 101.6 68.5 127.3

130 96.7 72.0 133.6



#35

Methylcyclohexane

Concen: 1.74 ug/L

RT: 6.135 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VV020166.D

Acq: 25 Jan 2021 22:42

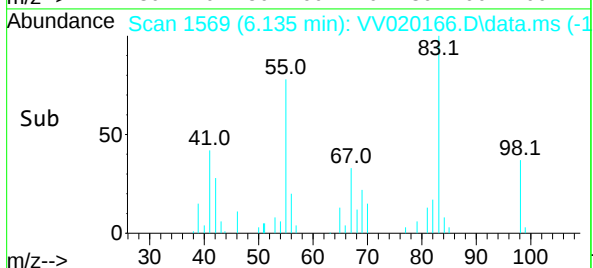
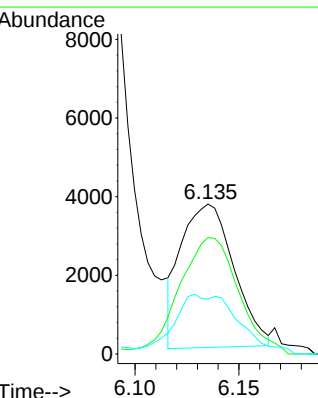
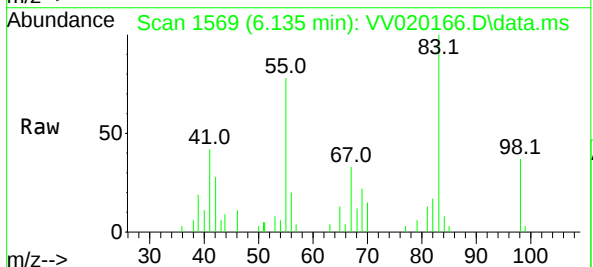
Tgt Ion: 83 Resp: 6429

Ion Ratio Lower Upper

83 100

55 91.1 62.8 94.2

98 23.4 38.6 58.0#



Instrument :

MSVOA_V

ClientSampleId :

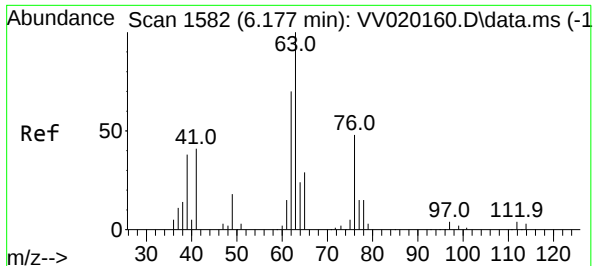
MDL-MED-SOIL-QT1-2021-01

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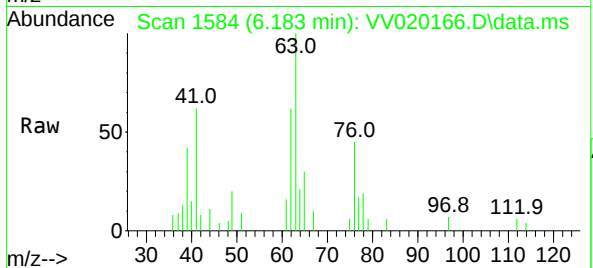
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#37
1,2-Dichloropropane
Concen: 2.34 ug/L
RT: 6.183 min Scan# 1584
Delta R.T. 0.006 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

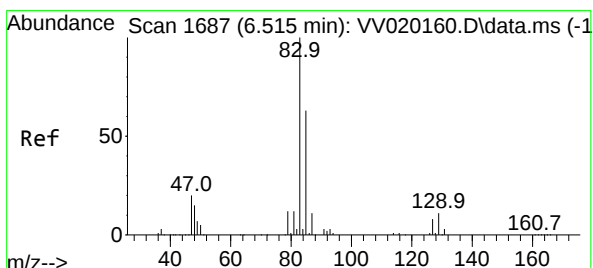
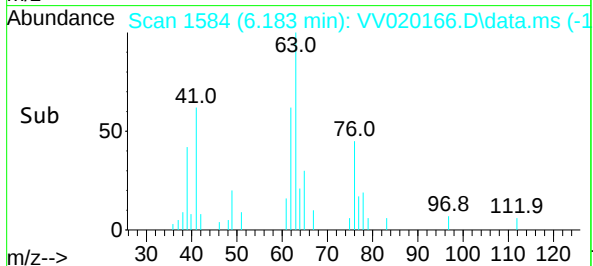
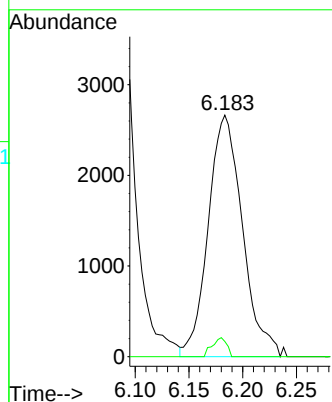
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01



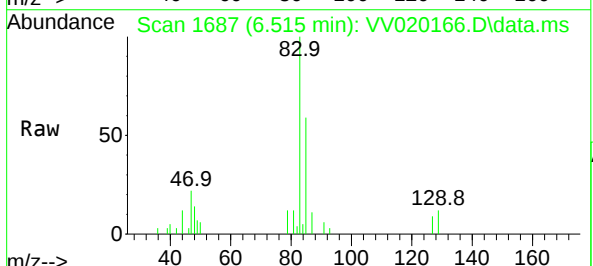
Tgt Ion: 63 Resp: 5894
Ion Ratio Lower Upper
63 100
112 3.3 4.2 6.2#

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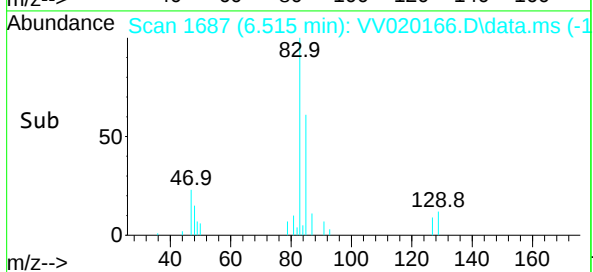
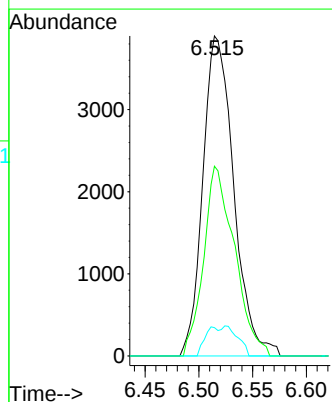
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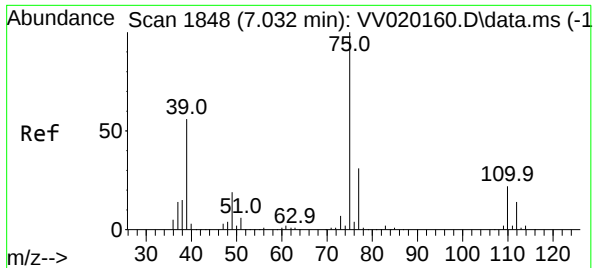


#38
Bromodichloromethane
Concen: 2.21 ug/L
RT: 6.515 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42



Tgt Ion: 83 Resp: 7795
Ion Ratio Lower Upper
83 100
85 59.3 44.0 81.8
127 8.8 7.3 10.9





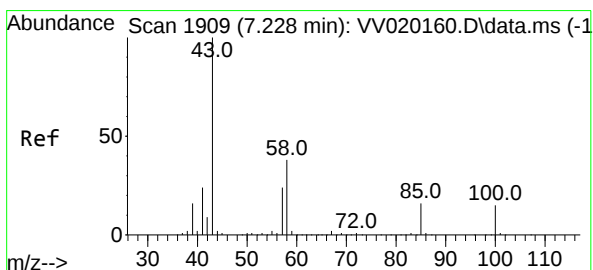
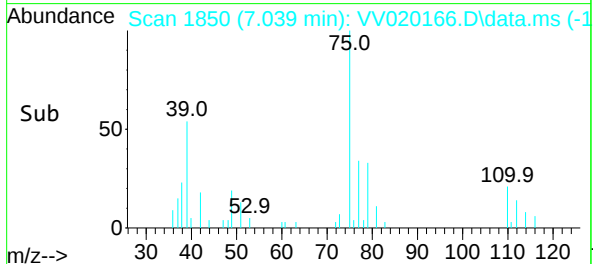
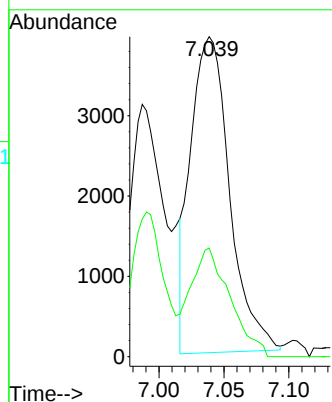
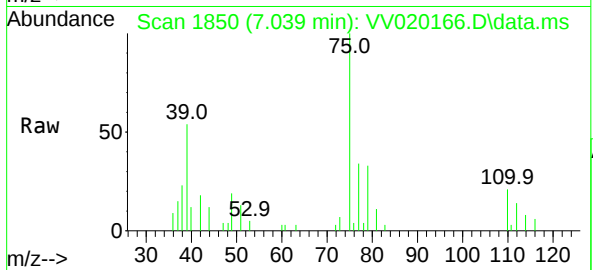
#39
cis-1,3-Dichloropropene
Concen: 2.06 ug/L
RT: 7.039 min Scan# 1850
Delta R.T. 0.006 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion: 75 Resp: 8208
Ion Ratio Lower Upper
75 100
77 34.0 22.2 41.2

Instrument :
MSVOA_V
ClientSampleId :
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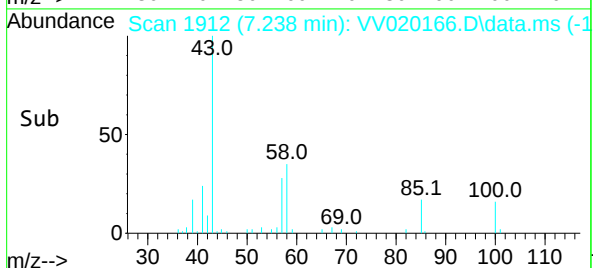
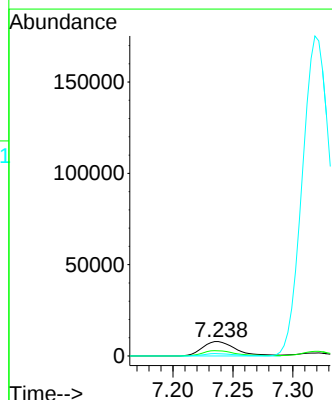
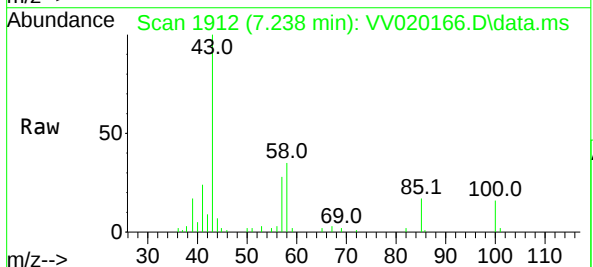
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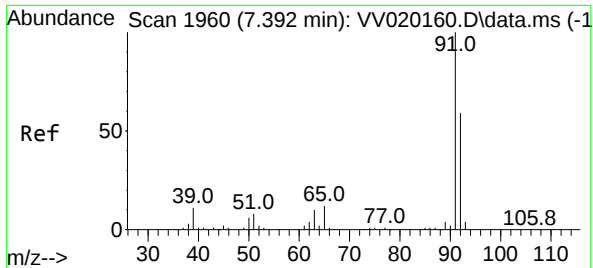
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#40
4-Methyl-2-pentanone
Concen: 3.98 ug/L
RT: 7.238 min Scan# 1912
Delta R.T. 0.010 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion: 43 Resp: 15282
Ion Ratio Lower Upper
43 100
58 36.9 30.5 45.7
100 15.2 12.7 19.1





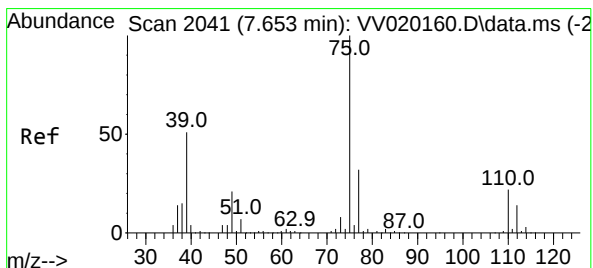
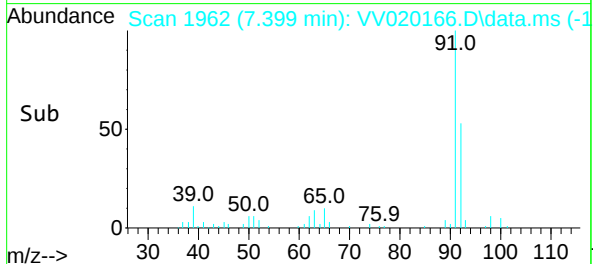
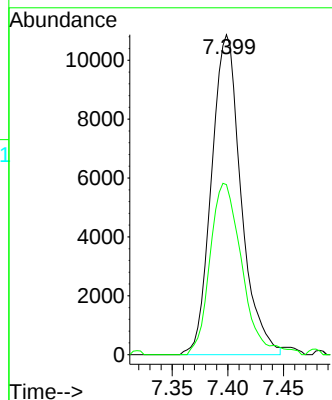
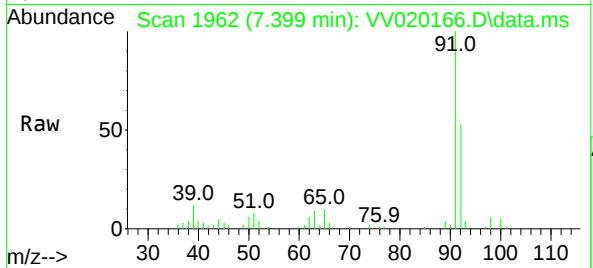
#42
Toluene
Concen: 1.97 ug/L
RT: 7.399 min Scan# 1962
Delta R.T. 0.006 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion: 91 Resp: 20058
Ion Ratio Lower Upper
91 100
92 53.1 40.6 75.4

Instrument :
MSVOA_V
ClientSampleId :
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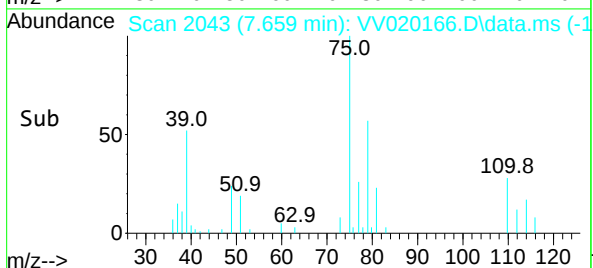
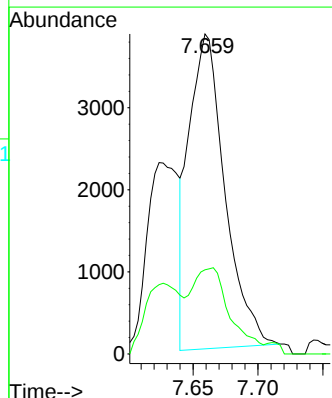
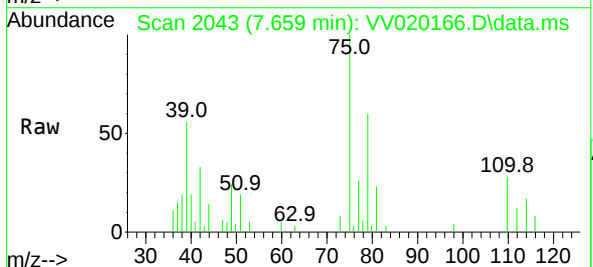
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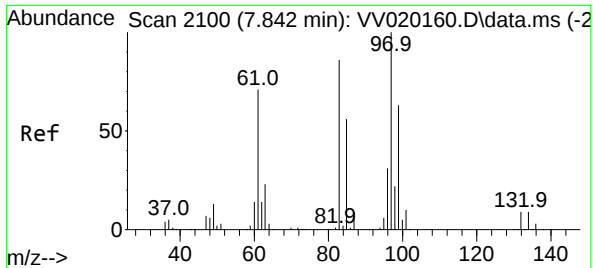
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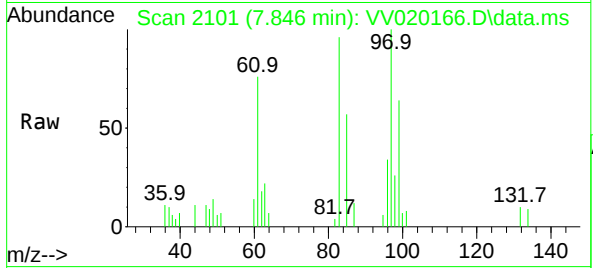
#44
trans-1,3-Dichloropropene
Concen: 1.93 ug/L
RT: 7.659 min Scan# 2043
Delta R.T. 0.006 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion: 75 Resp: 7370
Ion Ratio Lower Upper
75 100
77 26.3 21.6 40.2

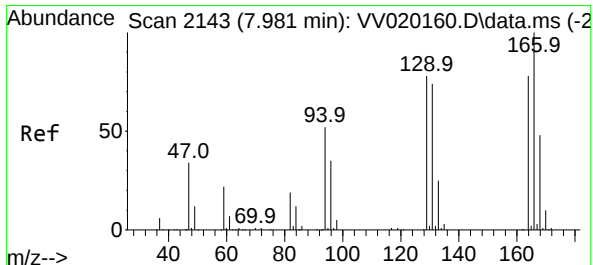
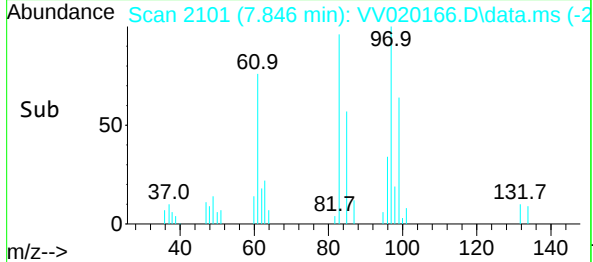
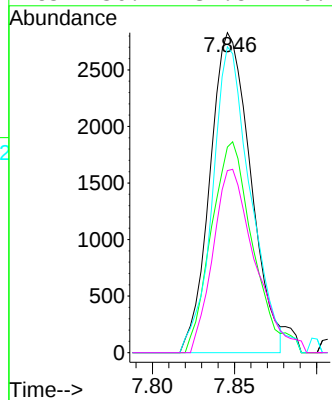




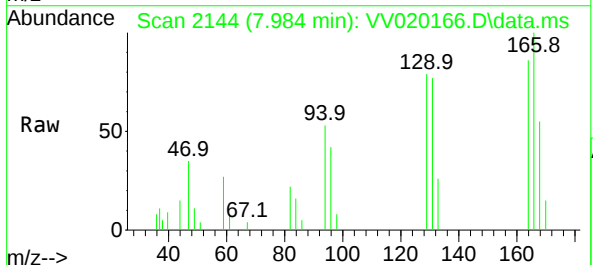
#45
1,1,2-Trichloroethane
Concen: 2.01 ug/L
RT: 7.846 min Scan# 2101
Delta R.T. 0.003 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42



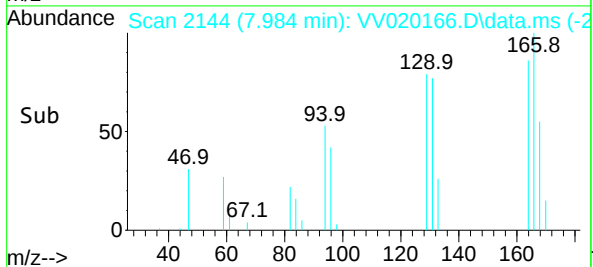
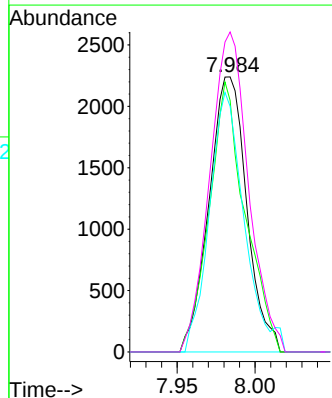
Tgt Ion:	97	Resp:	4865
Ion	Ratio	Lower	Upper
97	100		
99	64.2	45.1	83.9
83	95.6	57.6	107.0
85	56.9	37.8	70.2



#46
Tetrachloroethene
Concen: 2.02 ug/L
RT: 7.984 min Scan# 2144
Delta R.T. 0.003 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42



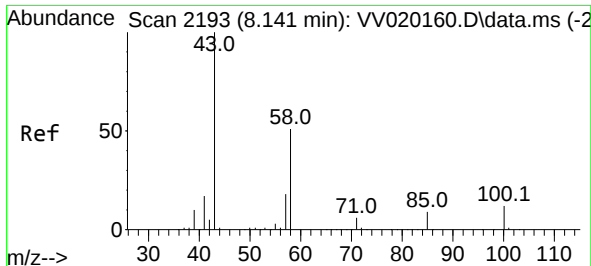
Tgt Ion:	164	Resp:	3770
Ion	Ratio	Lower	Upper
164	100		
129	91.5	62.6	116.3
131	89.3	59.0	109.6
166	116.3	88.0	163.4



Instrument :
MSVOA_V
ClientSampleId :
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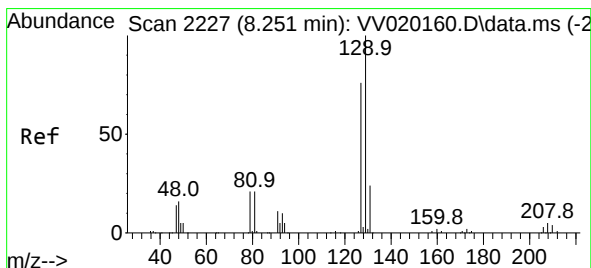
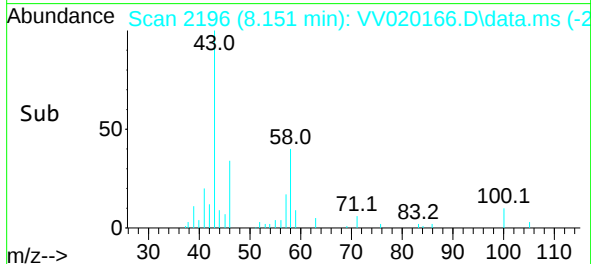
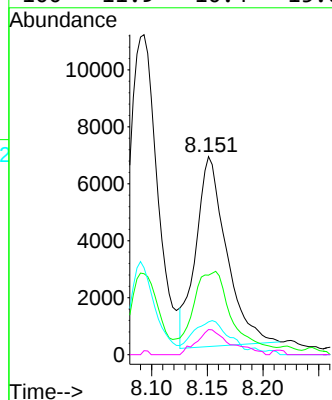
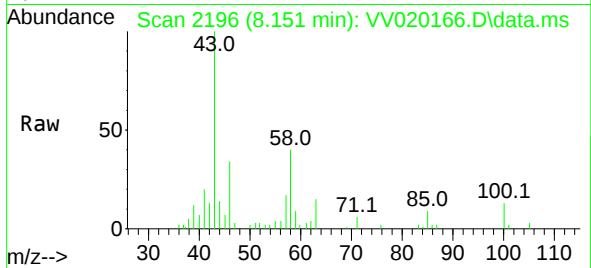
#48
2-Hexanone
Concen: 4.51 ug/L
RT: 8.151 min Scan# 2196
Delta R.T. 0.010 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion:	43	Resp:	12795
Ion	Ratio	Lower	Upper
43	100		
58	48.6	42.6	63.8
57	21.0	15.8	23.8
100	11.9	10.4	15.6

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

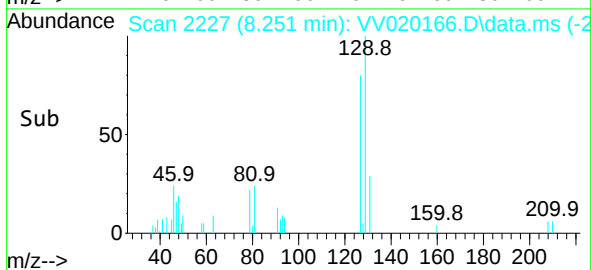
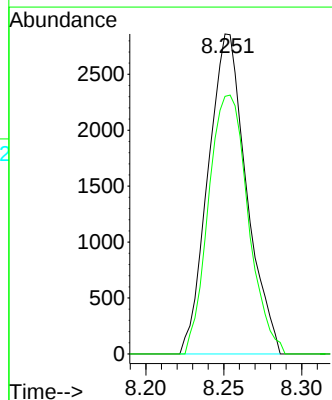
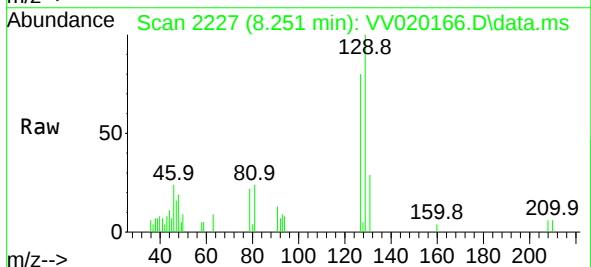
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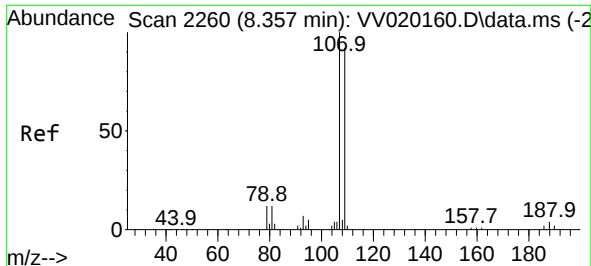
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#49
Dibromochloromethane
Concen: 1.78 ug/L
RT: 8.251 min Scan# 2227
Delta R.T. -0.000 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

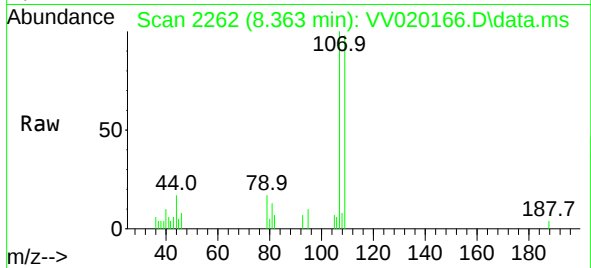
Tgt Ion:	129	Resp:	4898
Ion	Ratio	Lower	Upper
129	100		
127	80.5	54.4	101.0





#50
1,2-Dibromoethane
Concen: 1.92 ug/L
RT: 8.363 min Scan# 2262
Delta R.T. 0.006 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

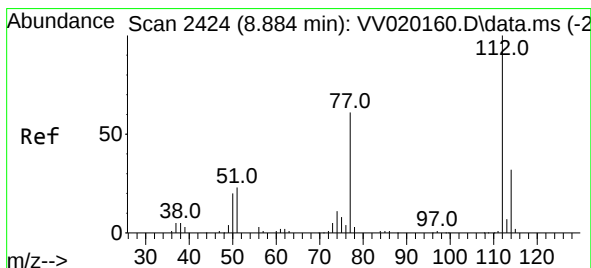
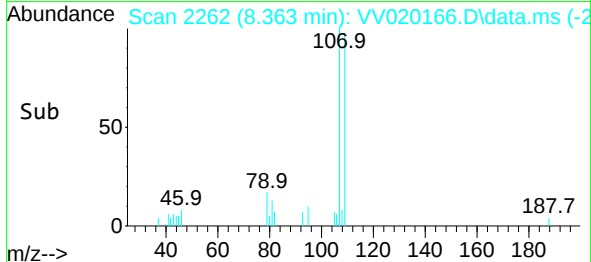
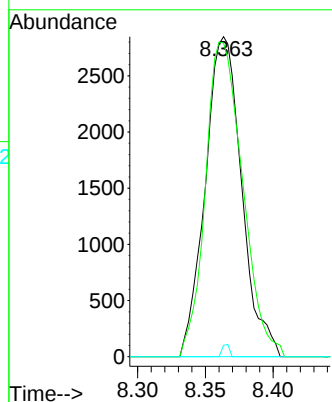
Instrument :
MSVOA_V
ClientSampleId :
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Tgt Ion:107 Resp: 5318
Ion Ratio Lower Upper
107 100
109 98.0 64.8 120.4
188 3.6 3.8 5.8#

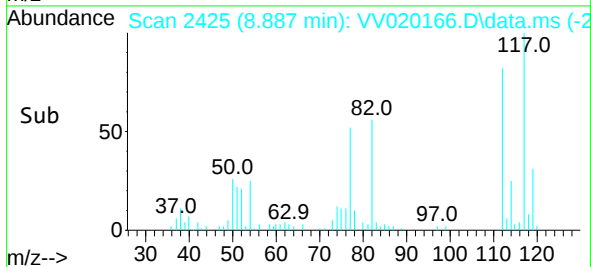
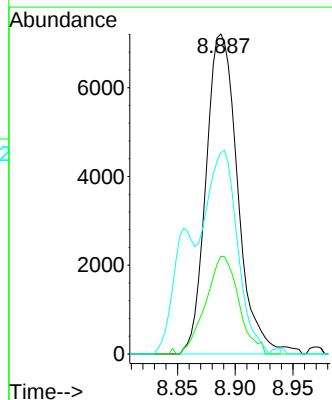
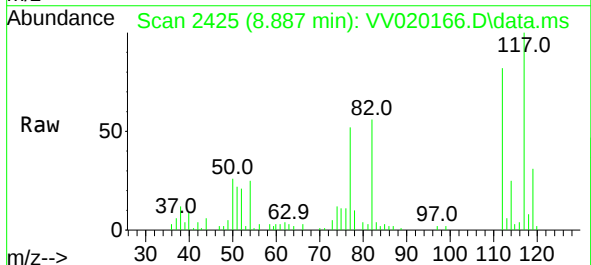
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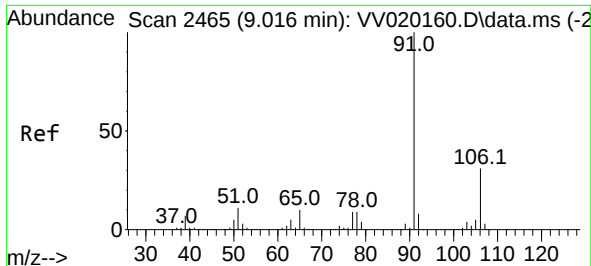
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#51
Chlorobenzene
Concen: 1.99 ug/L
RT: 8.887 min Scan# 2425
Delta R.T. 0.003 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion:112 Resp: 13680
Ion Ratio Lower Upper
112 100
114 30.6 22.7 42.1
77 63.0 47.3 70.9





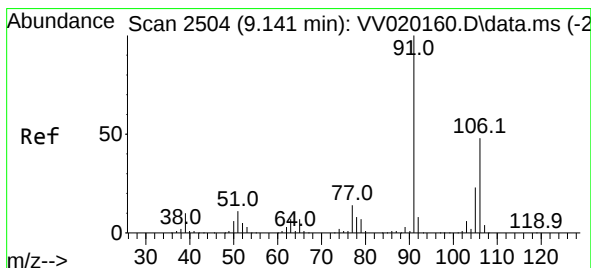
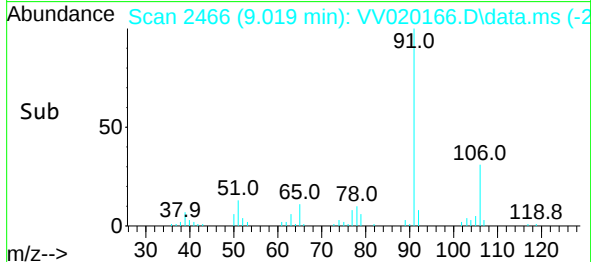
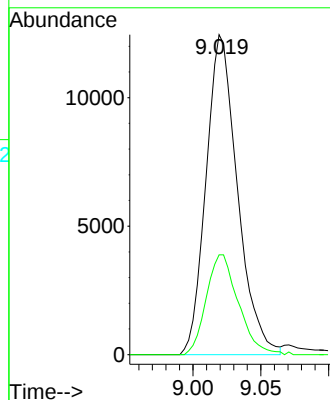
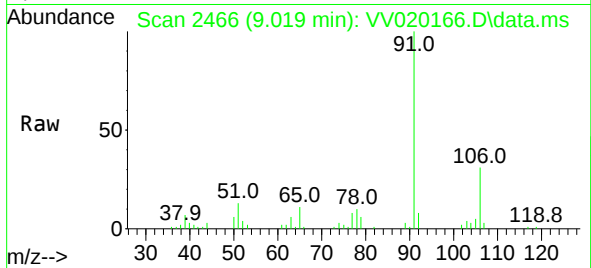
#52
Ethylbenzene
Concen: 1.75 ug/L
RT: 9.019 min Scan# 2466
Delta R.T. 0.003 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion: 91 Resp: 20079
Ion Ratio Lower Upper
91 100
106 31.2 21.6 40.0

Instrument :
MSVOA_V
ClientSampleId :
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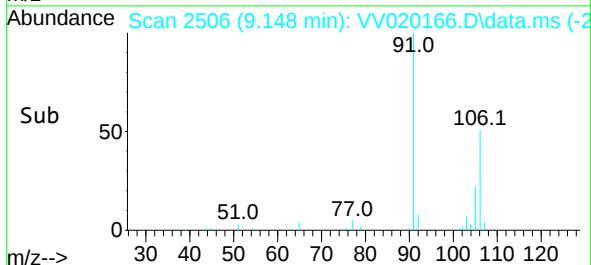
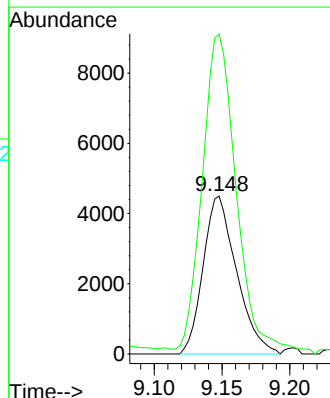
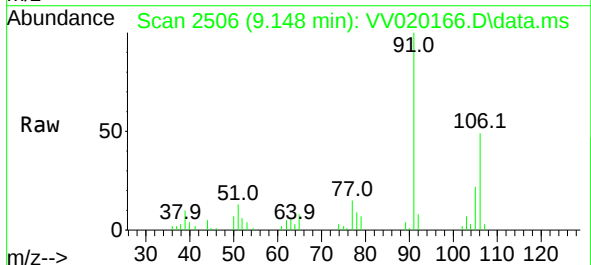
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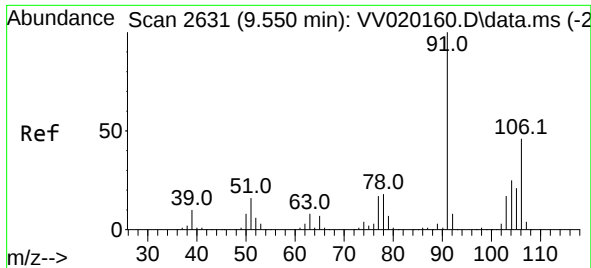
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#53
m,p-Xylene
Concen: 1.78 ug/L
RT: 9.148 min Scan# 2506
Delta R.T. 0.006 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion: 106 Resp: 7711
Ion Ratio Lower Upper
106 100
91 202.6 147.2 273.4





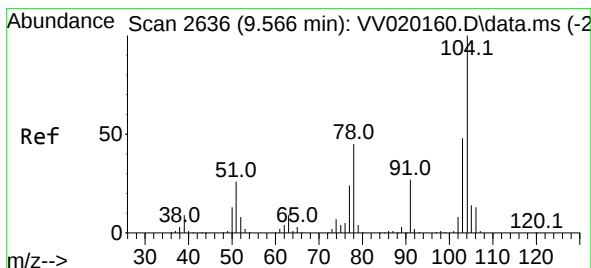
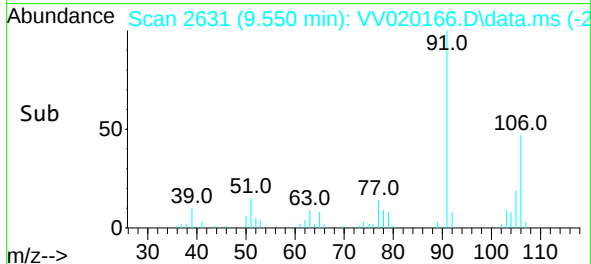
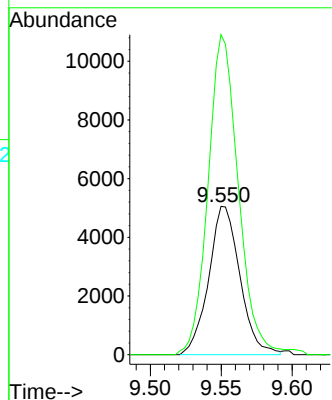
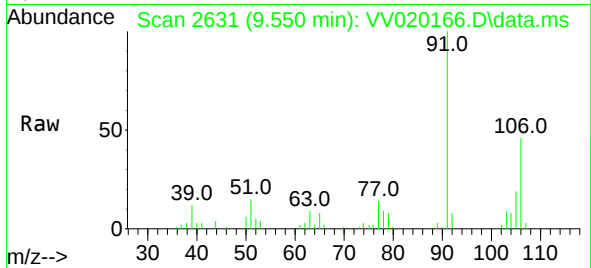
#54
o-Xylene
Concen: 1.79 ug/L
RT: 9.550 min Scan# 2631
Delta R.T. -0.000 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion:106 Resp: 7754
Ion Ratio Lower Upper
106 100
91 215.7 151.6 281.6

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

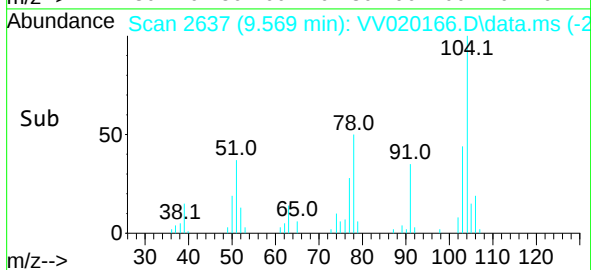
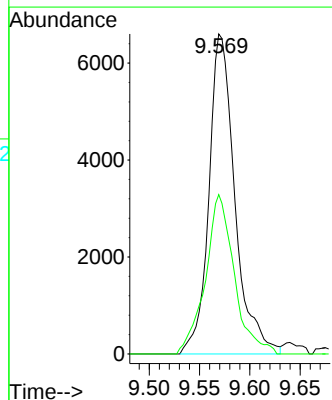
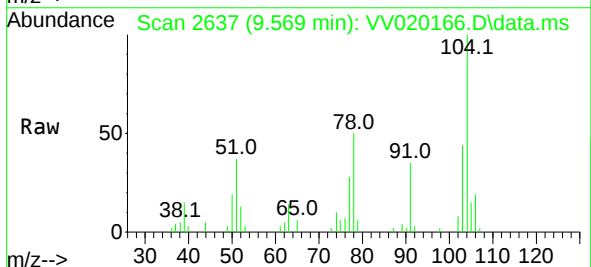
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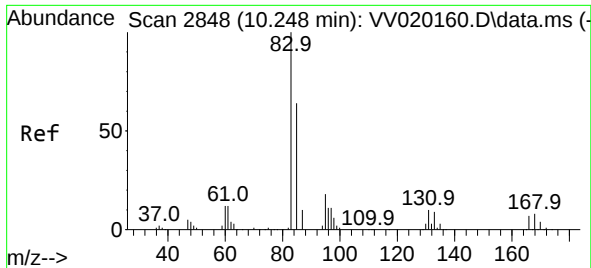
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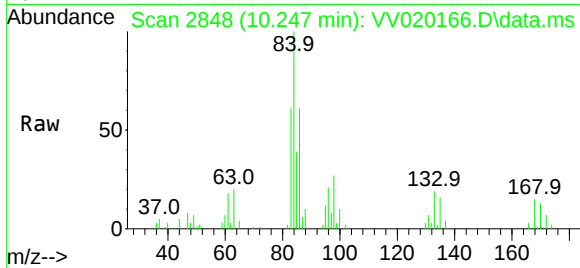
#55
Styrene
Concen: 1.57 ug/L
RT: 9.569 min Scan# 2637
Delta R.T. 0.003 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion:104 Resp: 11878
Ion Ratio Lower Upper
104 100
78 49.8 32.6 60.5

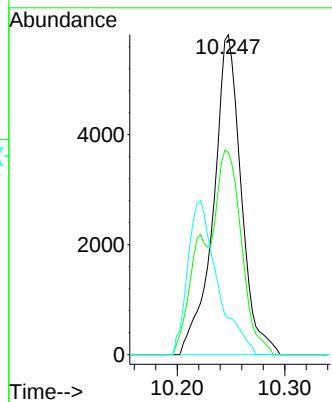
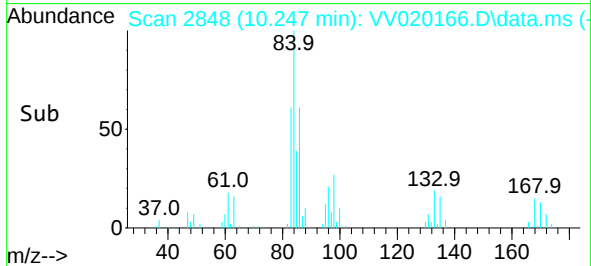




#57
1,1,2,2-Tetrachloroethane
Concen: 2.47 ug/L
RT: 10.247 min Scan# 2848
Delta R.T. -0.000 min
Lab File: VV020166.D
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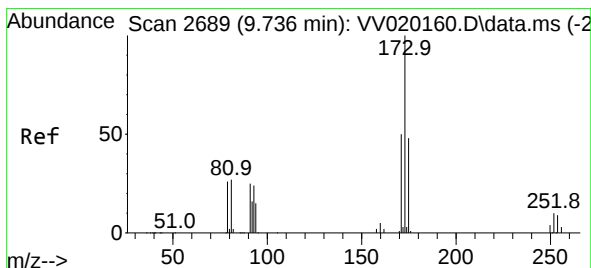
Tgt Ion: 83 Resp: 10436
Ion Ratio Lower Upper
83 100
85 63.2 45.0 83.6
131 11.4 8.9 13.3



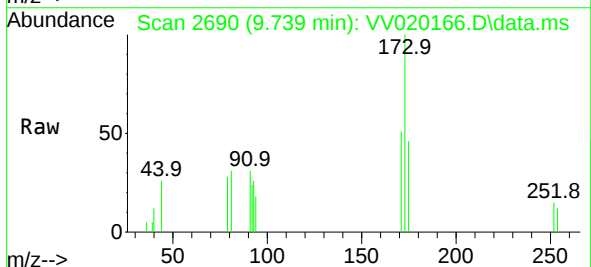
Instrument :
MSVOA_V
ClientSampleId :
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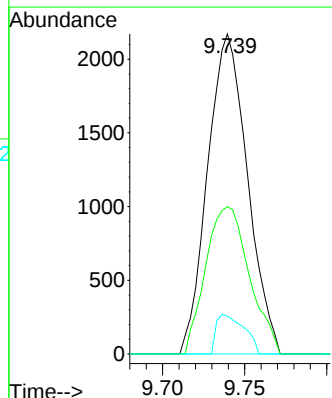
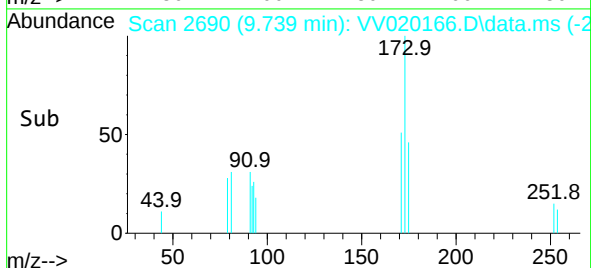
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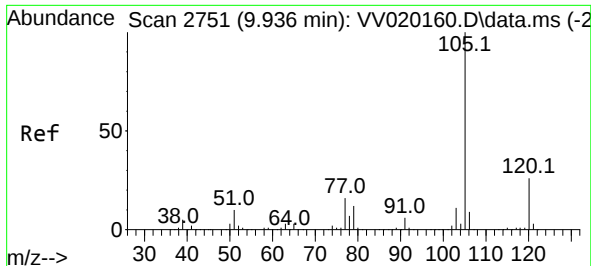


#59
Bromoform
Concen: 1.65 ug/L
RT: 9.739 min Scan# 2690
Delta R.T. 0.003 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42



Tgt Ion: 173 Resp: 3666
Ion Ratio Lower Upper
173 100
175 50.4 38.4 57.6
254 8.6 9.0 13.6#





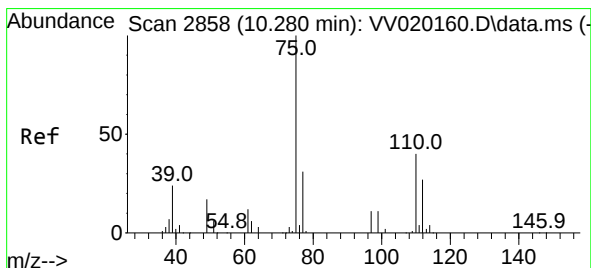
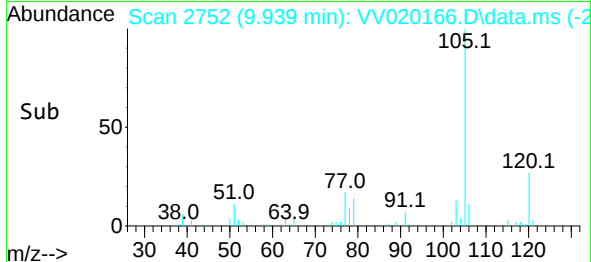
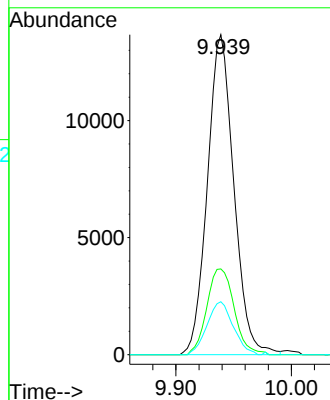
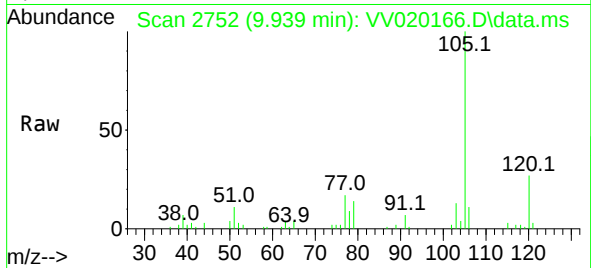
#60
Isopropylbenzene
Concen: 1.67 ug/L
RT: 9.939 min Scan# 2752
Delta R.T. 0.003 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion:	105	Resp:	21728
Ion Ratio	Lower	Upper	
105	100		
120	27.7	21.0	31.4
77	16.4	13.0	19.6

Instrument :
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ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

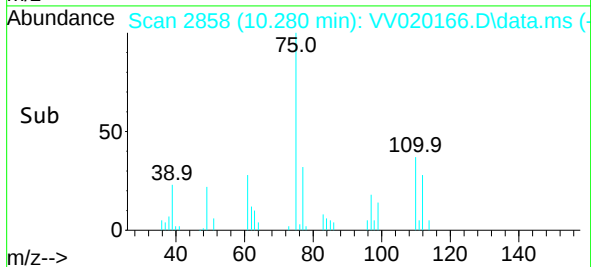
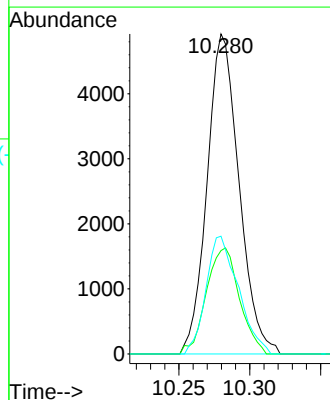
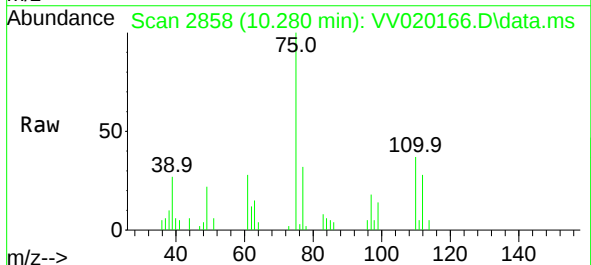
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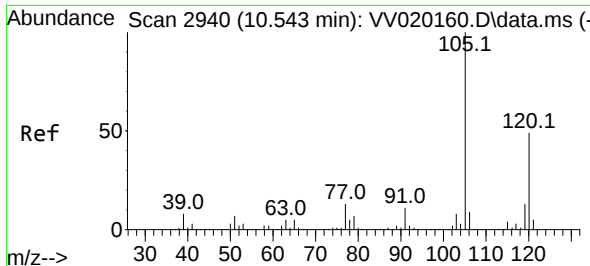
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#61
1,2,3-Trichloropropane
Concen: 2.00 ug/L
RT: 10.280 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion:	75	Resp:	7703
Ion Ratio	Lower	Upper	
75	100		
77	33.7	24.8	37.2
110	37.3	33.4	50.2





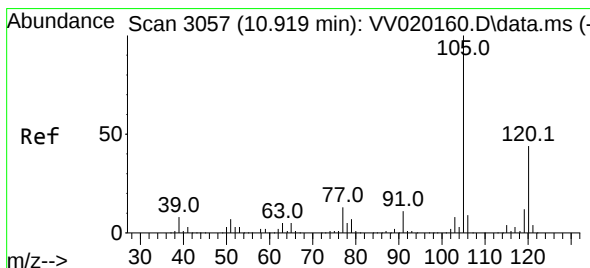
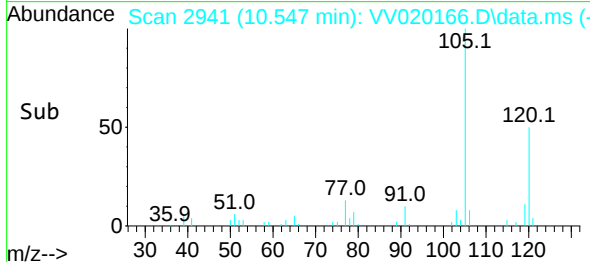
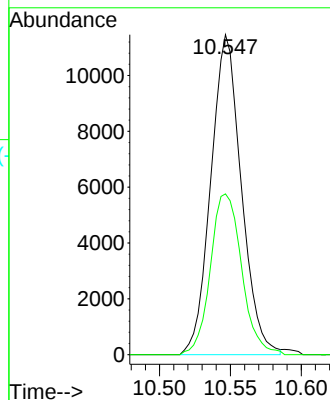
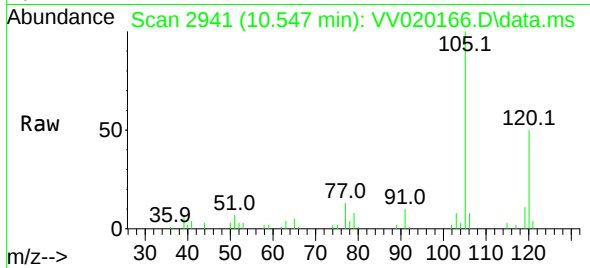
#62
1,3,5-Trimethylbenzene
Concen: 1.58 ug/L
RT: 10.547 min Scan# 2941
Delta R.T. 0.003 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion:105 Resp: 17131
Ion Ratio Lower Upper
105 100
120 51.6 38.3 57.5

Instrument :
MSVOA_V
ClientSampleId :
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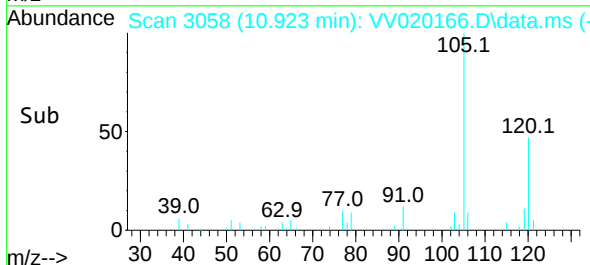
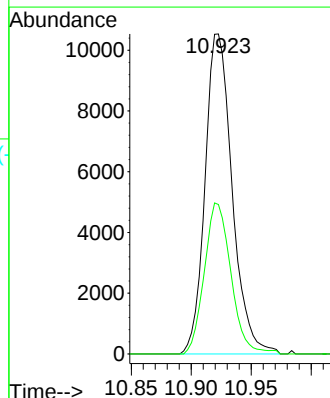
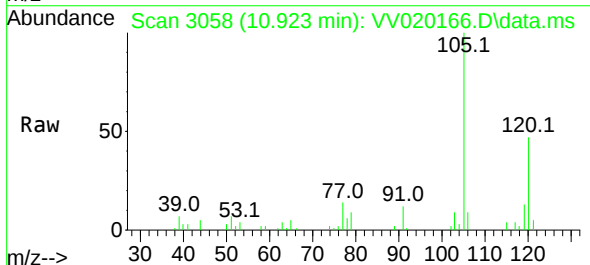
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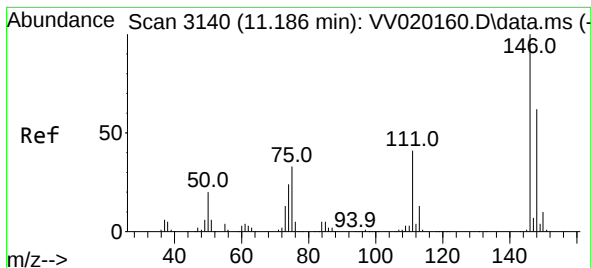
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#63
1,2,4-Trimethylbenzene
Concen: 1.56 ug/L
RT: 10.923 min Scan# 3058
Delta R.T. 0.003 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion:105 Resp: 16586
Ion Ratio Lower Upper
105 100
120 46.1 35.7 53.5





#64

1,3-Dichlorobenzene

Concen: 1.88 ug/L

RT: 11.193 min Scan# 3142

Delta R.T. 0.006 min

Lab File: VV020166.D

Acq: 25 Jan 2021 22:42

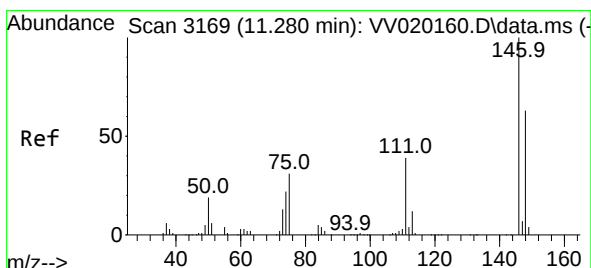
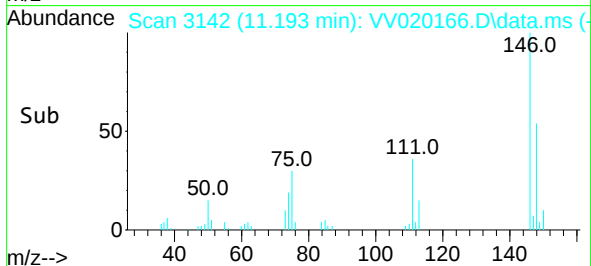
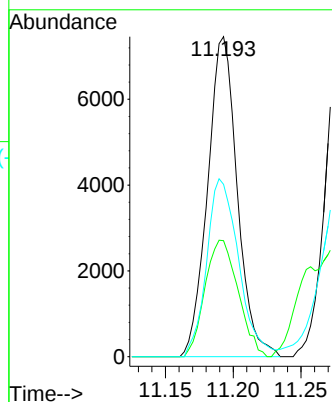
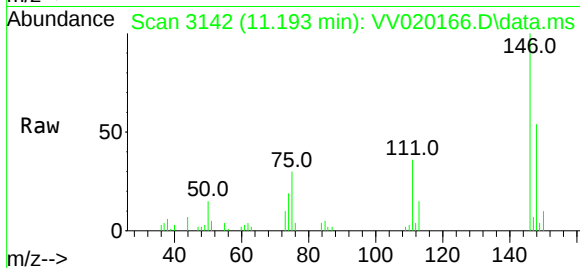
Tgt Ion:146 Resp: 11366

Ion Ratio Lower Upper

146 100

111 36.3 27.3 50.7

148 53.9 45.2 84.0



#65

1,4-Dichlorobenzene

Concen: 2.15 ug/L

RT: 11.280 min Scan# 3169

Delta R.T. -0.000 min

Lab File: VV020166.D

Acq: 25 Jan 2021 22:42

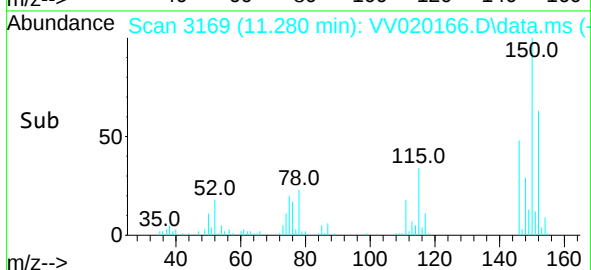
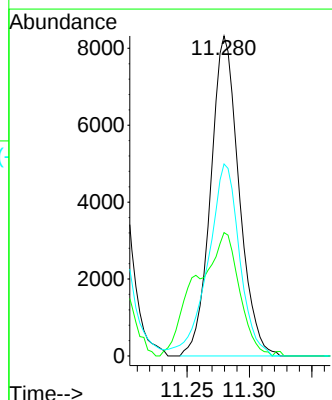
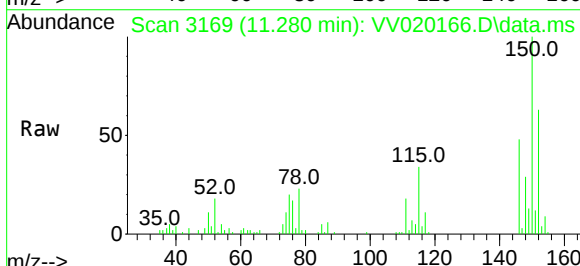
Tgt Ion:146 Resp: 13174

Ion Ratio Lower Upper

146 100

111 38.6 25.9 48.1

148 60.0 44.9 83.5



Instrument :

MSVOA_V

ClientSampleId :

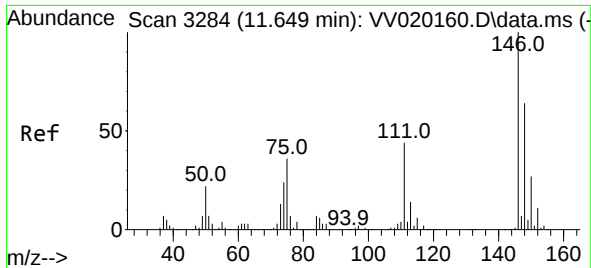
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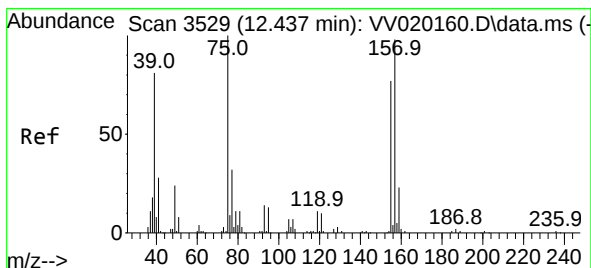
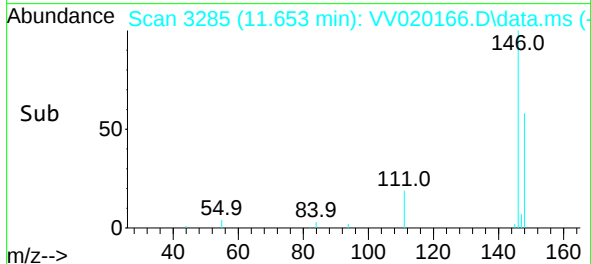
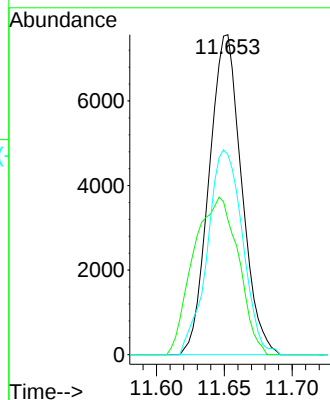
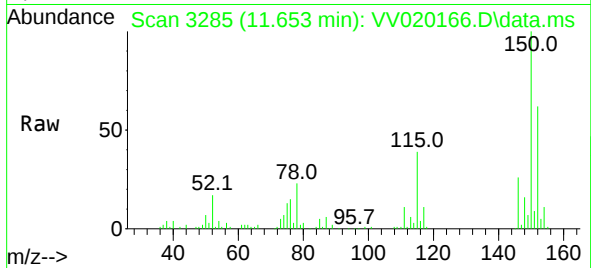
#67
1,2-Dichlorobenzene
Concen: 2.13 ug/L
RT: 11.653 min Scan# 3285
Delta R.T. 0.003 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion:146 Resp: 12632
Ion Ratio Lower Upper
146 100
111 42.2 32.6 48.8
148 62.6 50.1 75.1

Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

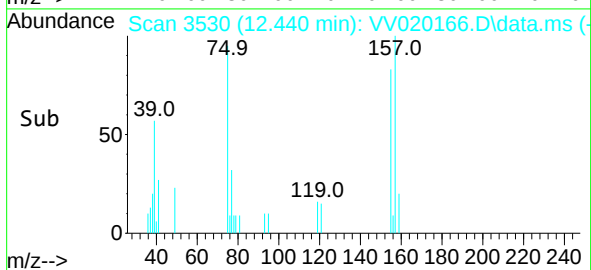
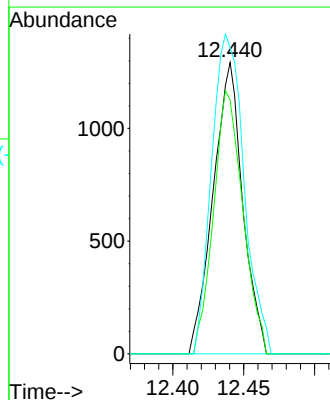
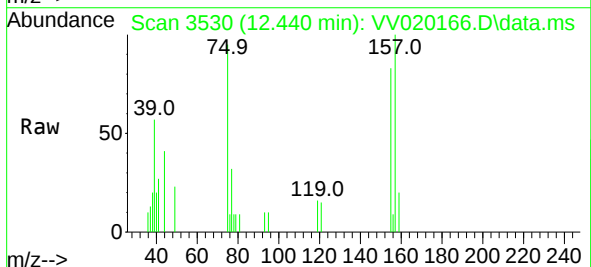
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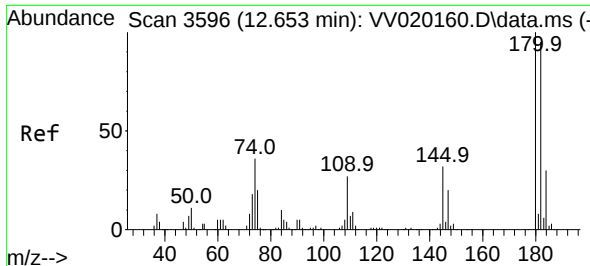
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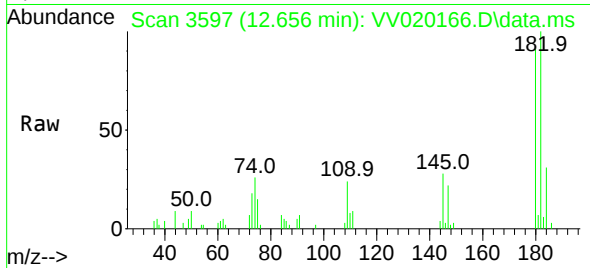
#68
1,2-Dibromo-3-chloropropane
Concen: 1.73 ug/L
RT: 12.440 min Scan# 3530
Delta R.T. 0.003 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42

Tgt Ion: 75 Resp: 1878
Ion Ratio Lower Upper
75 100
155 87.1 65.8 98.6
157 105.0 86.3 129.5

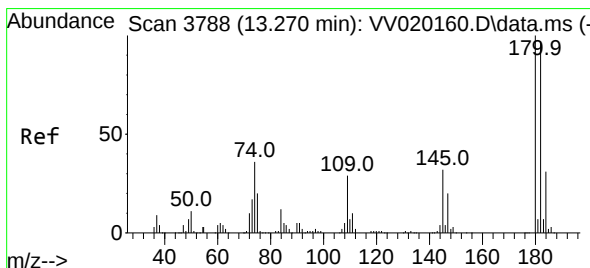
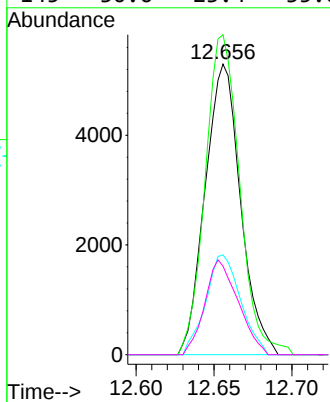
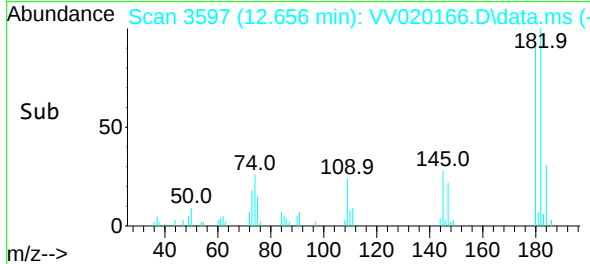




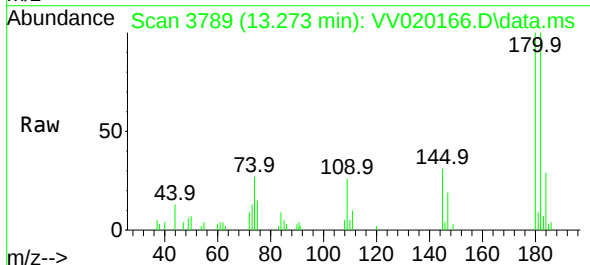
#69
1,3,5-Trichlorobenzene
Concen: 1.88 ug/L
RT: 12.656 min Scan# 3597
Delta R.T. 0.003 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42



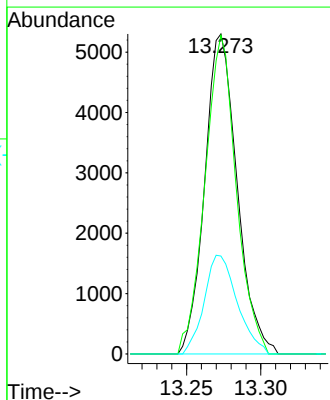
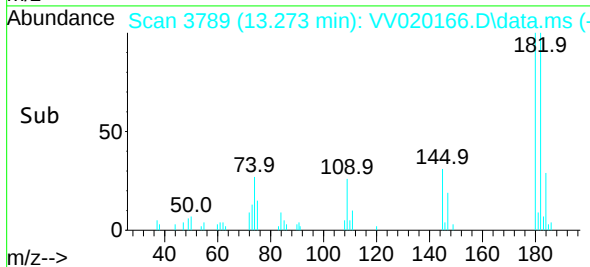
Tgt Ion:180 Resp: 8382
Ion Ratio Lower Upper
180 100
182 107.0 77.7 116.5
184 33.8 24.9 37.3
145 30.6 23.4 35.0



#70
1,2,4-trichlorobenzene
Concen: 1.90 ug/L
RT: 13.273 min Scan# 3789
Delta R.T. 0.003 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42



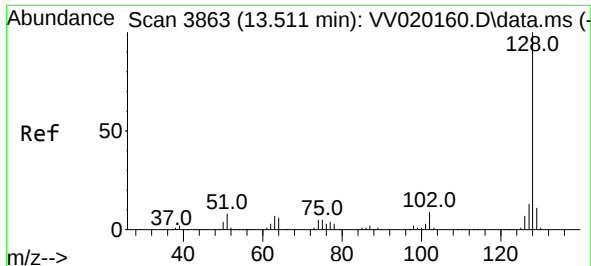
Tgt Ion:180 Resp: 8042
Ion Ratio Lower Upper
180 100
182 96.2 76.6 114.8
145 31.5 23.2 34.8



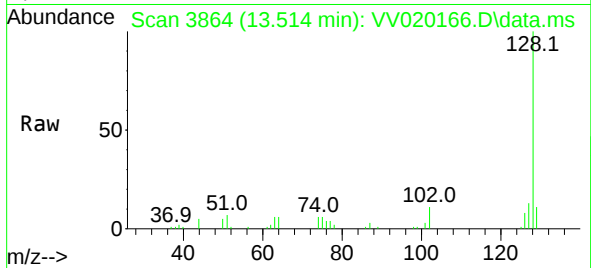
Instrument :
MSVOA_V
ClientSampleId :
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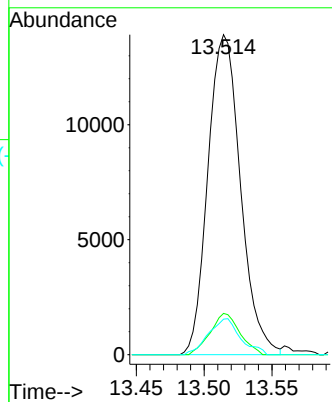
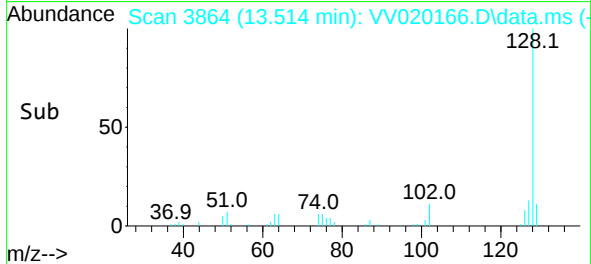
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#71
Naphthalene
Concen: 1.68 ug/L
RT: 13.514 min Scan# 3864
Delta R.T. 0.003 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42



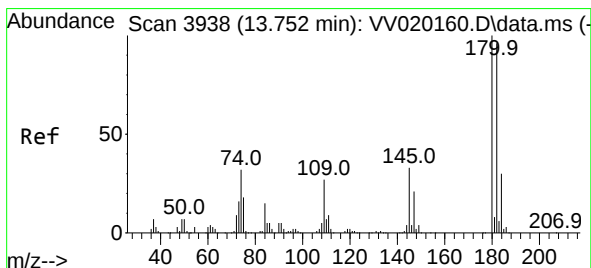
Tgt Ion:128 Resp: 23263
Ion Ratio Lower Upper
128 100
127 11.8 10.7 16.1
129 11.0 8.6 13.0



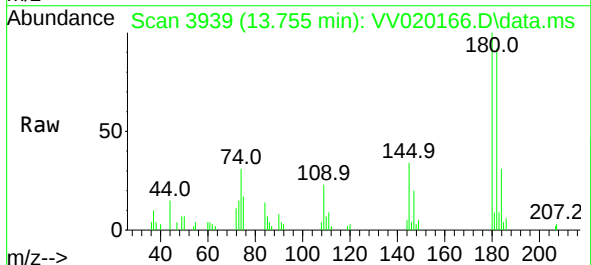
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2021-01

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#72
1,2,3-Trichlorobenzene
Concen: 1.84 ug/L
RT: 13.755 min Scan# 3939
Delta R.T. 0.003 min
Lab File: VV020166.D
Acq: 25 Jan 2021 22:42



Tgt Ion:180 Resp: 8158
Ion Ratio Lower Upper
180 100
182 94.1 77.4 116.0
145 31.1 24.7 37.1

