

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081221\
 Data File : VX023665.D
 Acq On : 12 Aug 2021 11:20
 Operator : JC/MD
 Sample : M3263-04 2.5PPB MDL
 Misc : 5.0g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-SOIL-QT4-2021-08

Manual Integrations
 APPROVED

MMDadoda
 8/13/2021 3:43:54 PM

Quant Time: Aug 13 01:01:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML081121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 13 01:00:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	303953	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	280824	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	124770	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	72045	45.474	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.940%
7) Chloroethane-d5	1.666	69	65210	50.105	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.200%
11) 1,1-Dichloroethene-d2	2.307	63	127598	37.078	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.160%
21) 2-Butanone-d5	4.465	46	159643	104.519	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.520%
24) Chloroform-d	5.068	84	172700	48.141	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.280%
26) 1,2-Dichloroethane-d4	5.964	65	123823	50.352	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.700%
32) Benzene-d6	5.977	84	357792	50.577	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.160%
36) 1,2-Dichloropropane-d6	7.312	67	114261	51.334	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.660%
41) Toluene-d8	8.653	98	335653	49.267	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.540%
43) trans-1,3-Dichloroprop...	8.952	79	47777	45.358	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.720%
47) 2-Hexanone-d5	9.385	63	112921	105.522	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.520%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	146939	49.556	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.120%
66) 1,2-Dichlorobenzene-d4	12.323	152	114150	52.136	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.280%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	3705	1.962	ug/L #	86
3) Chloromethane	1.295	50	3763	2.094	ug/L	83
5) Vinyl chloride	1.374	62	4062	2.225	ug/L #	67
6) Bromomethane	1.605	94	2865	2.526	ug/L	100
8) Chloroethane	1.685	64	2696	2.330	ug/L	91
9) Trichlorofluoromethane	1.886	101	6525	2.132	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	5063	2.831	ug/L #	84
12) 1,1-Dichloroethene	2.319	96	4218	2.727	ug/L #	1
13) Acetone	2.386	43	6574	4.889	ug/L	94
14) Carbon disulfide	2.508	76	5579	1.794	ug/L	99
15) Methyl Acetate	2.709	43	5197	2.319	ug/L	91
16) Methylene chloride	2.794	84	4537	2.356	ug/L	92
17) trans-1,2-Dichloroethene	3.093	96	3327	2.032	ug/L	96
18) Methyl tert-butyl Ether	3.123	73	12029	1.982	ug/L #	95
19) 1,1-Dichloroethane	3.611	63	6783	2.032	ug/L	91
20) cis-1,2-Dichloroethene	4.489	96	4018	2.031	ug/L	87
22) 2-Butanone	4.568	43	8591	4.688	ug/L	75
23) Bromochloromethane	4.898	128	2184m	2.089	ug/L	
25) Chloroform	5.105	83	12689	3.520	ug/L	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081221\
 Data File : VX023665.D
 Acq On : 12 Aug 2021 11:20
 Operator : JC/MD
 Sample : M3263-04 2.5PPB MDL
 Misc : 5.0g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-SOIL-QT4-2021-08

Manual Integrations
 APPROVED

MMDadoda
 8/13/2021 3:43:54 PM

Quant Time: Aug 13 01:01:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML081121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 13 01:00:38 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.092	62	6378	2.193	ug/L	97
29) Cyclohexane	5.477	56	5092m	1.884	ug/L	
30) 1,1,1-Trichloroethane	5.391	97	5881	1.939	ug/L #	81
31) Carbon tetrachloride	5.684	117	5046	1.981	ug/L	90
33) Benzene	6.044	78	15336	2.091	ug/L	100
34) Trichloroethene	7.129	95	4119	2.099	ug/L	88
35) Methylcyclohexane	7.385	83	5516	1.957	ug/L	99
37) 1,2-Dichloropropane	7.428	63	4105	2.040	ug/L #	93
38) Bromodichloromethane	7.824	83	4922	1.961	ug/L	90
39) cis-1,3-Dichloropropene	8.373	75	5723	1.943	ug/L	86
40) 4-Methyl-2-pentanone	8.580	43	13226	4.078	ug/L	90
42) Toluene	8.720	91	21397	2.631	ug/L	98
44) trans-1,3-Dichloropropene	8.982	75	5455	1.838	ug/L	95
45) 1,1,2-Trichloroethane	9.159	97	4215	2.062	ug/L	97
46) Tetrachloroethene	9.275	164	3143	2.111	ug/L	95
48) 2-Hexanone	9.433	43	11753	4.488	ug/L #	91
49) Dibromochloromethane	9.525	129	3607	1.748	ug/L	90
50) 1,2-Dibromoethane	9.610	107	4400	2.102	ug/L #	85
51) Chlorobenzene	10.086	112	11074	2.050	ug/L	93
52) Ethylbenzene	10.195	91	17050	1.915	ug/L	97
53) m,p-Xylene	10.305	106	6439	1.897	ug/L	95
54) o-Xylene	10.640	106	5995	1.773	ug/L	80
55) Styrene	10.659	104	10028	1.760	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.213	83	7324	2.357	ug/L	95
59) Bromoform	10.799	173	2209	1.651	ug/L #	97
60) Isopropylbenzene	10.964	105	15939	1.882	ug/L	97
61) 1,2,3-Trichloropropane	11.244	75	5578	2.223	ug/L	99
62) 1,3,5-Trimethylbenzene	11.457	105	13201	1.926	ug/L	99
63) 1,2,4-Trimethylbenzene	11.756	105	12753	1.830	ug/L	99
64) 1,3-Dichlorobenzene	11.976	146	6964	1.883	ug/L	86
65) 1,4-Dichlorobenzene	12.043	146	7996	2.171	ug/L	94
67) 1,2-Dichlorobenzene	12.341	146	7808	2.150	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.945	75	899m	1.538	ug/L	
69) 1,3,5-Trichlorobenzene	13.116	180	4829	1.891	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	3817	1.736	ug/L	94
71) Naphthalene	13.780	128	11883	1.559	ug/L	97
72) 1,2,3-Trichlorobenzene	13.963	180	3550	1.567	ug/L	92

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

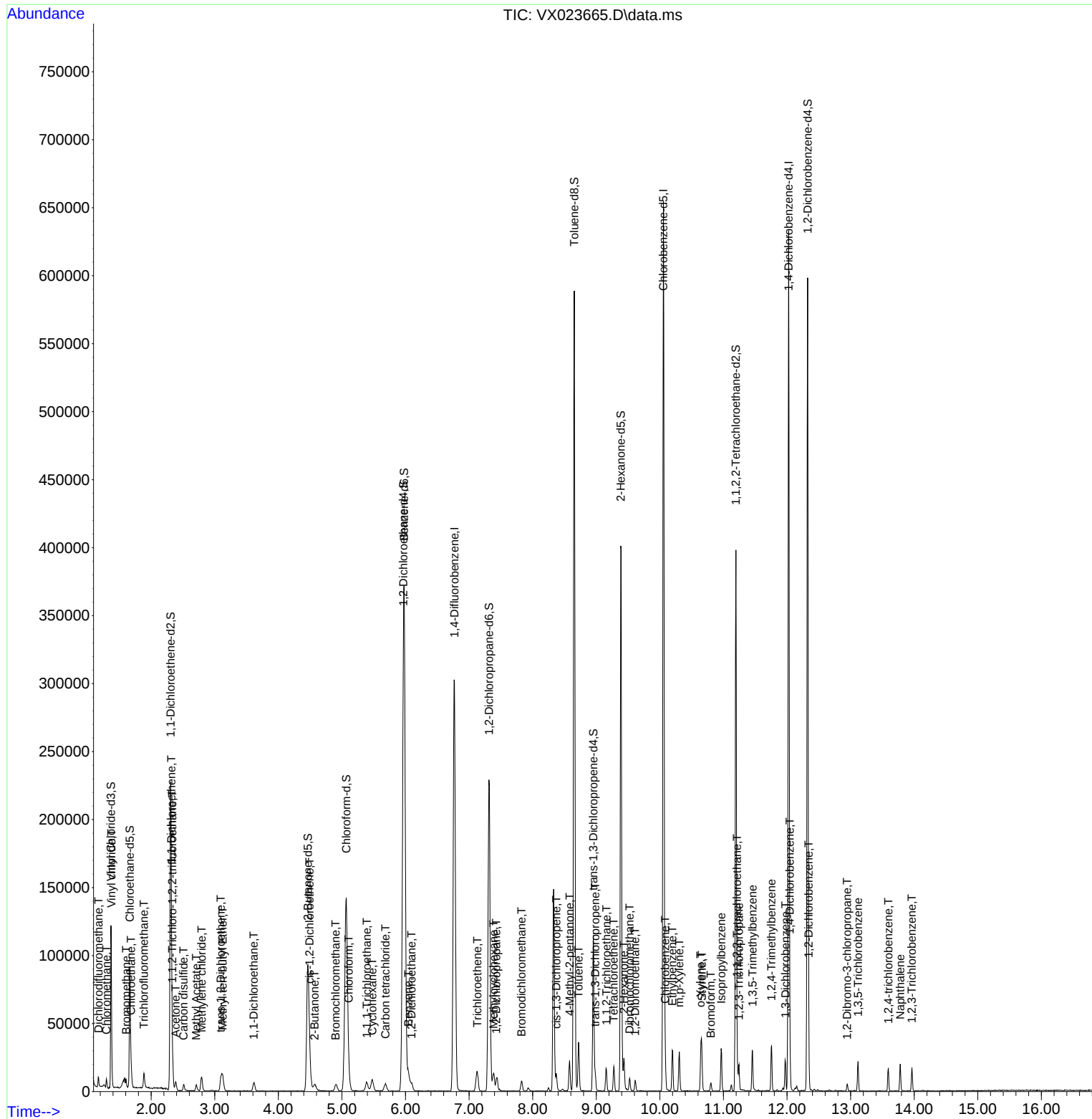
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081221\
Data File : VX023665.D
Acq On : 12 Aug 2021 11:20
Operator : JC/MD
Sample : M3263-04 2.5PPB MDL
Misc : 5.0g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 5 Sample Multiplier: 1

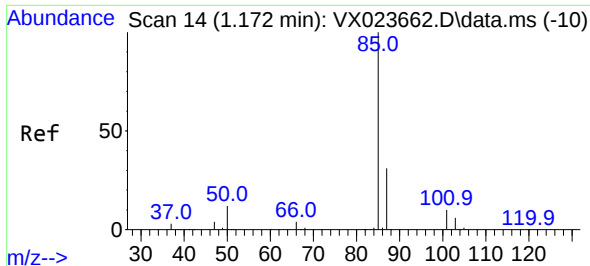
Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

Manual Integrations
APPROVED

MMDadoda
8/13/2021 3:43:54 PM

Quant Time: Aug 13 01:01:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML081121WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 13 01:00:38 2021
Response via : Initial Calibration





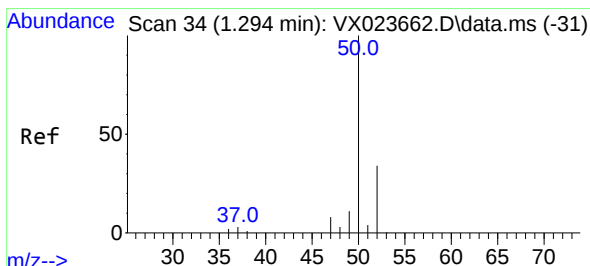
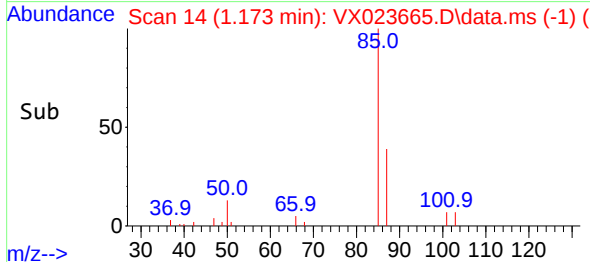
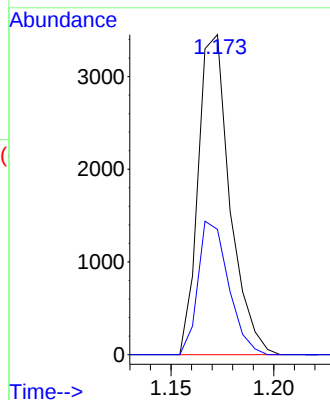
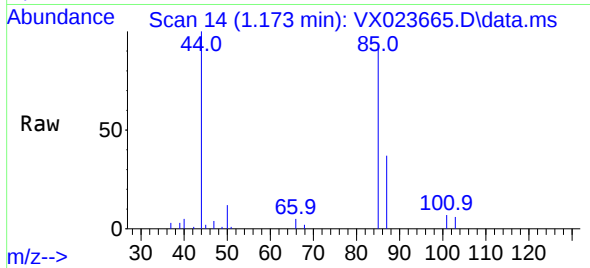
#2
Dichlorodifluoromethane
Concen: 1.962 ug/L
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion: 85 Resp: 3705
Ion Ratio Lower Upper
85 100
87 40.1 25.9 38.9#

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

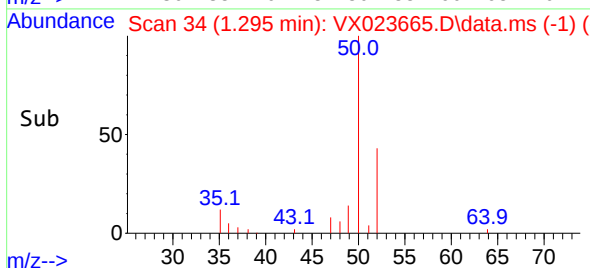
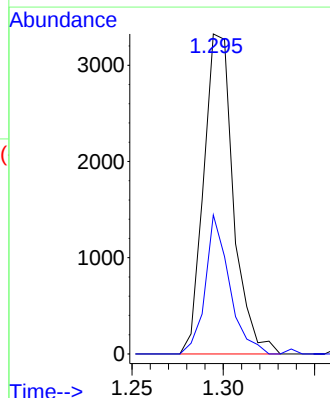
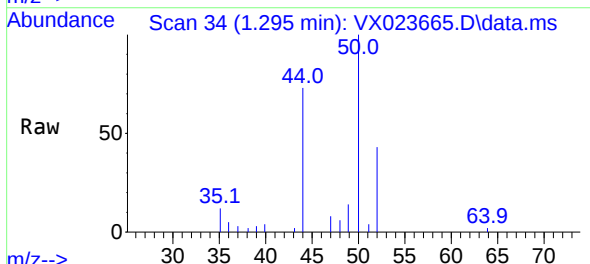
Manual Integrations
APPROVED

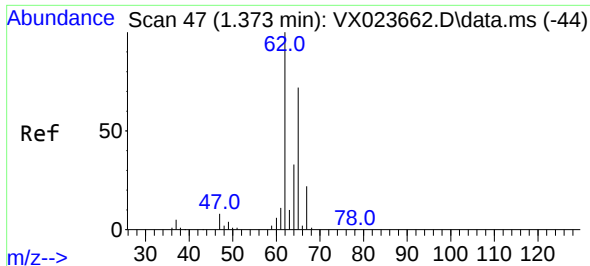
MMDadoda
8/13/2021 3:43:54 PM



#3
Chloromethane
Concen: 2.094 ug/L
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion: 50 Resp: 3763
Ion Ratio Lower Upper
50 100
52 43.4 23.7 43.9





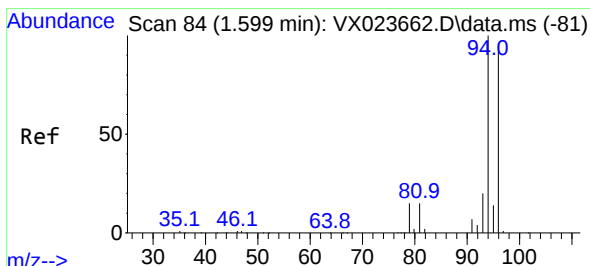
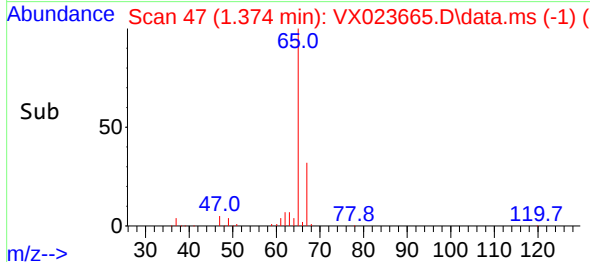
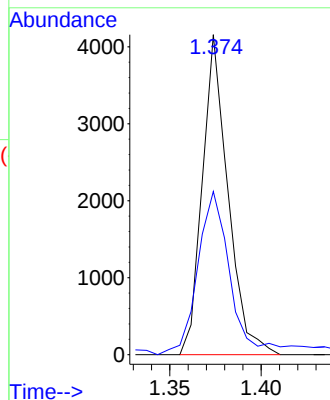
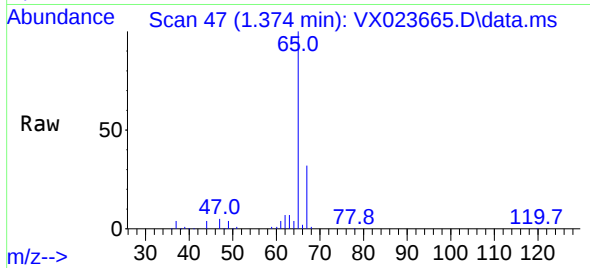
#5
 Vinyl chloride
 Concen: 2.225 ug/L
 RT: 1.374 min Scan# 47
 Delta R.T. 0.000 min
 Lab File: VX023665.D
 Acq: 12 Aug 2021 11:20

Tgt Ion: 62 Resp: 4062
 Ion Ratio Lower Upper
 62 100
 64 51.0 22.7 42.3#

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-SOIL-QT4-2021-08

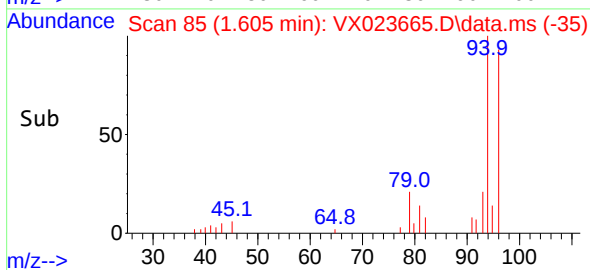
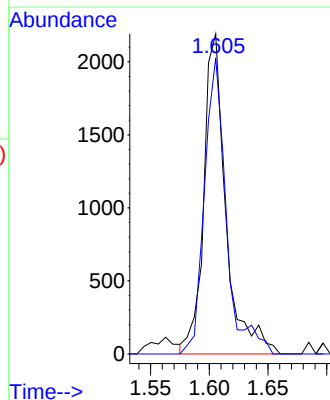
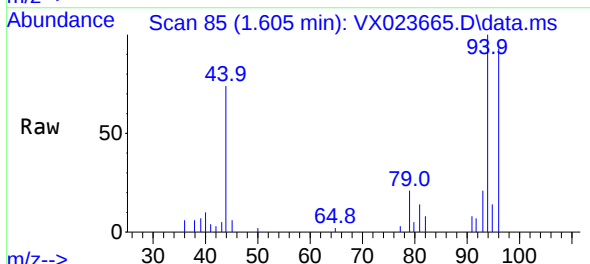
Manual Integrations
 APPROVED

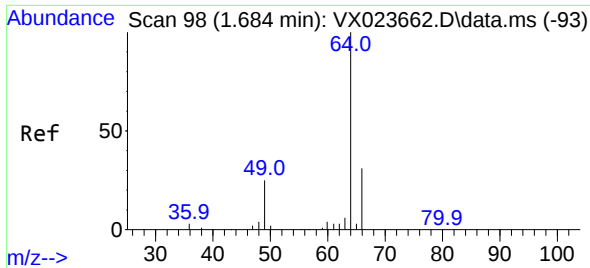
MMDadoda
 8/13/2021 3:43:54 PM



#6
 Bromomethane
 Concen: 2.526 ug/L
 RT: 1.605 min Scan# 85
 Delta R.T. 0.006 min
 Lab File: VX023665.D
 Acq: 12 Aug 2021 11:20

Tgt Ion: 94 Resp: 2865
 Ion Ratio Lower Upper
 94 100
 96 92.6 64.8 120.3





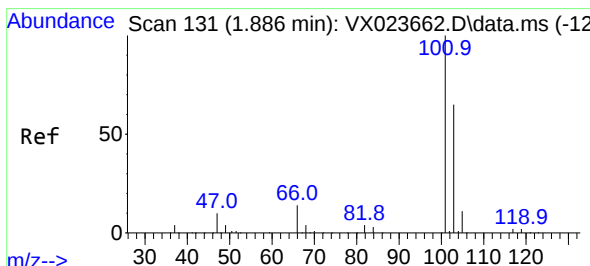
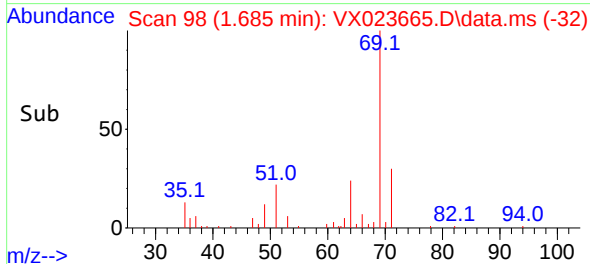
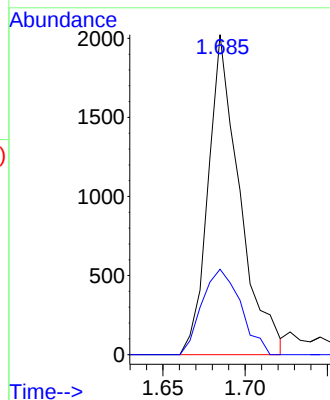
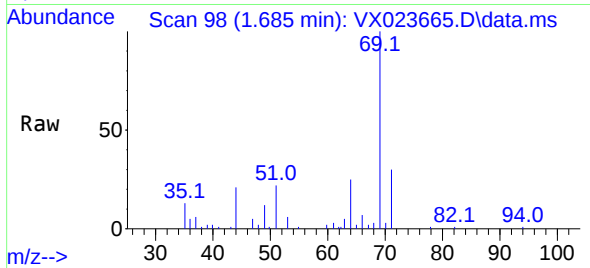
#8
Chloroethane
Concen: 2.330 ug/L
RT: 1.685 min Scan# 98
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion: 64 Resp: 2696
Ion Ratio Lower Upper
64 100
66 26.7 22.0 41.0

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

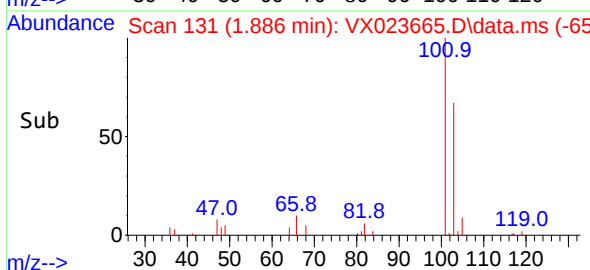
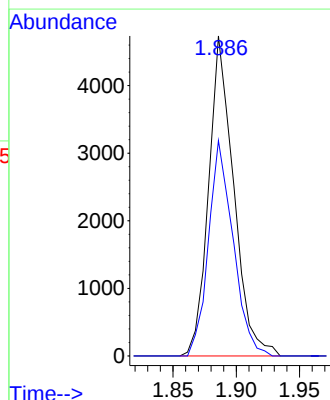
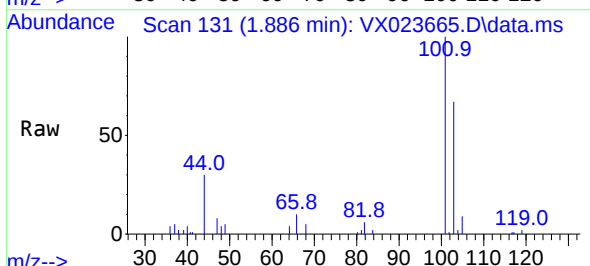
Manual Integrations
APPROVED

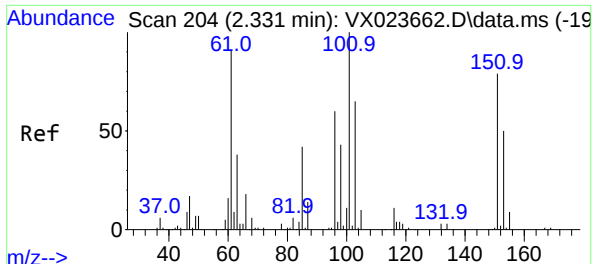
MMDadoda
8/13/2021 3:43:54 PM



#9
Trichlorofluoromethane
Concen: 2.132 ug/L
RT: 1.886 min Scan# 131
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion: 101 Resp: 6525
Ion Ratio Lower Upper
101 100
103 66.2 52.2 78.2





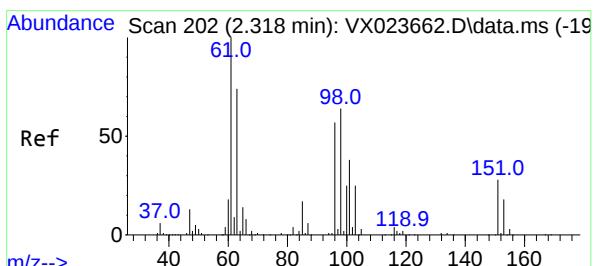
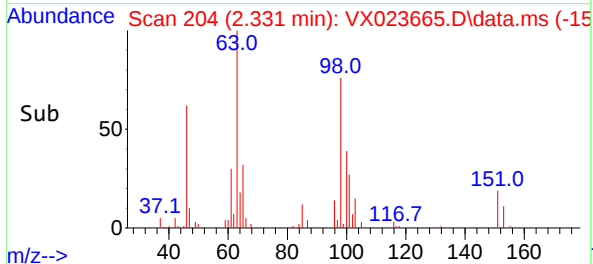
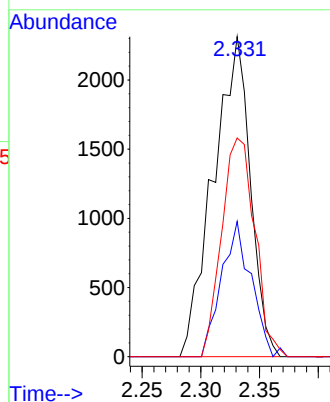
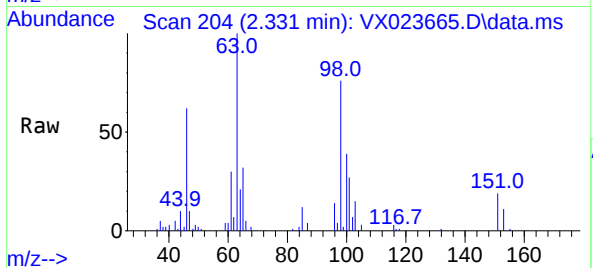
#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.831 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. 0.000 min
 Lab File: VX023665.D
 Acq: 12 Aug 2021 11:20

Tgt Ion: 101 Resp: 5063
 Ion Ratio Lower Upper
 101 100
 85 33.6 34.3 51.5#
 151 61.3 60.7 91.1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-SOIL-QT4-2021-08

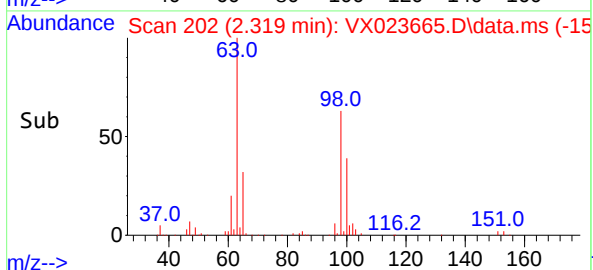
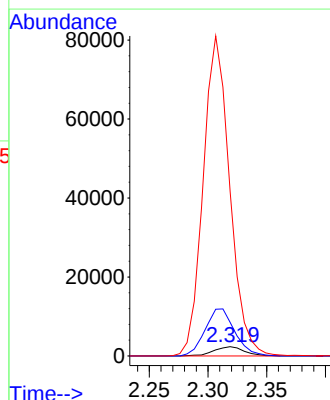
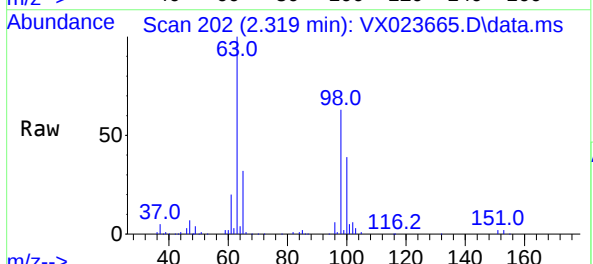
Manual Integrations
 APPROVED

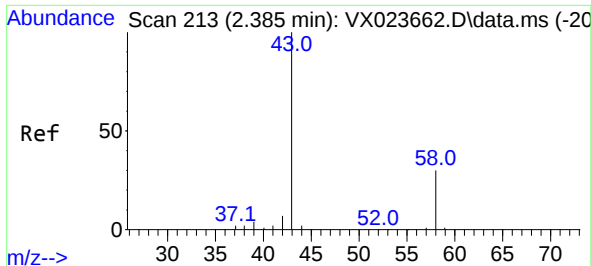
MMDadoda
 8/13/2021 3:43:54 PM



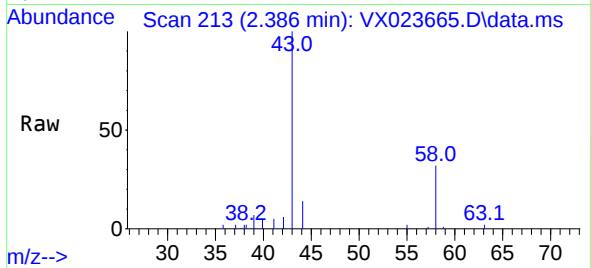
#12
 1,1-Dichloroethene
 Concen: 2.727 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. 0.000 min
 Lab File: VX023665.D
 Acq: 12 Aug 2021 11:20

Tgt Ion: 96 Resp: 4218
 Ion Ratio Lower Upper
 96 100
 61 364.7 115.5 214.5#
 63 1783.4 77.3 143.7#

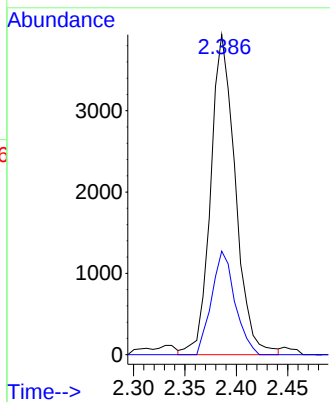
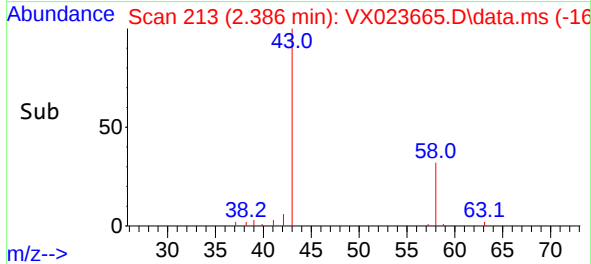




#13
Acetone
Concen: 4.889 ug/L
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20



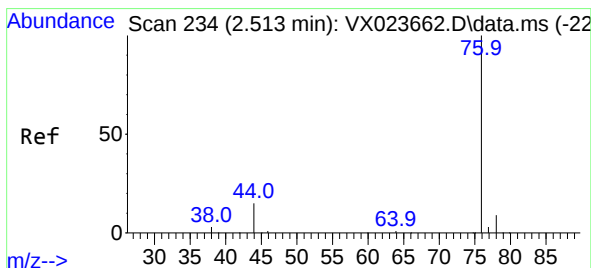
Tgt Ion: 43 Resp: 6574
Ion Ratio Lower Upper
43 100
58 30.5 0.0 68.2



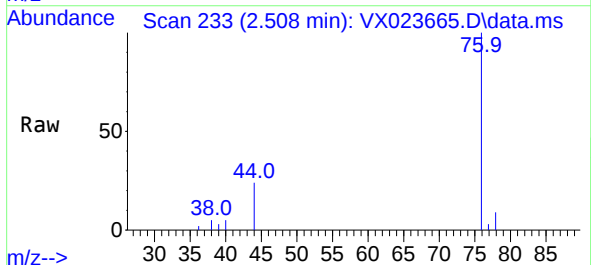
Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

Manual Integrations
APPROVED

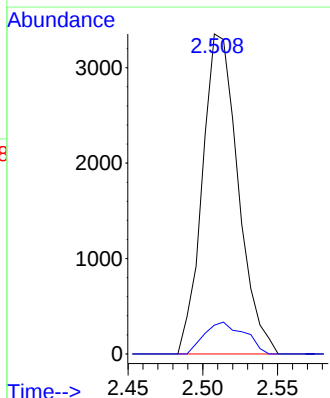
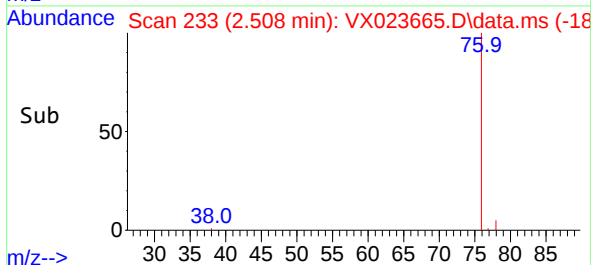
MMDadoda
8/13/2021 3:43:54 PM

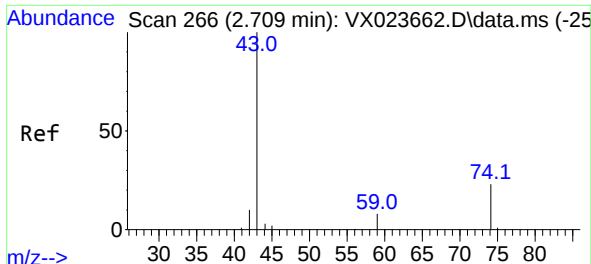


#14
Carbon disulfide
Concen: 1.794 ug/L
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20



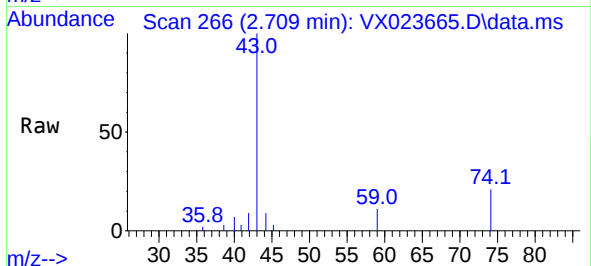
Tgt Ion: 76 Resp: 5579
Ion Ratio Lower Upper
76 100
78 9.0 7.6 11.4





#15
Methyl Acetate
Concen: 2.319 ug/L
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

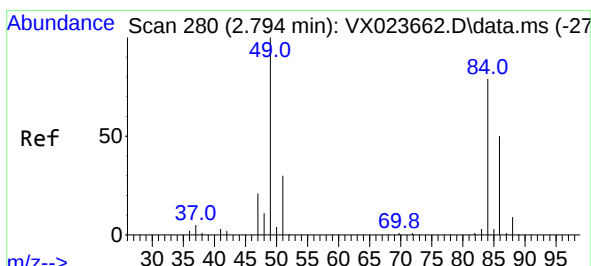
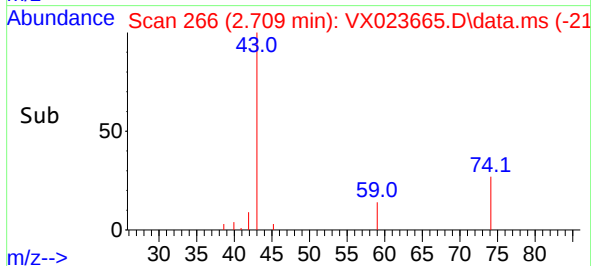
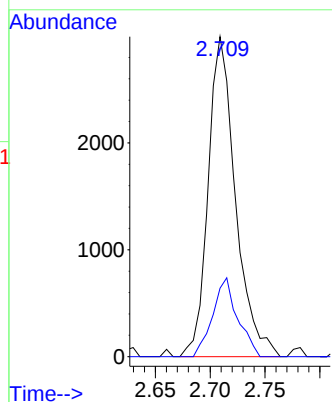
Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08



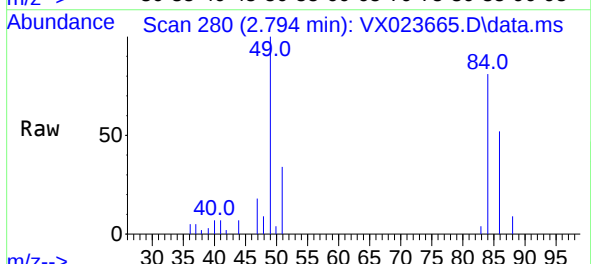
Tgt Ion: 43 Resp: 5197
Ion Ratio Lower Upper
43 100
74 22.4 21.7 32.5

Manual Integrations
APPROVED

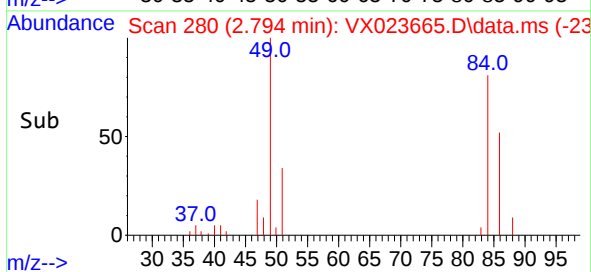
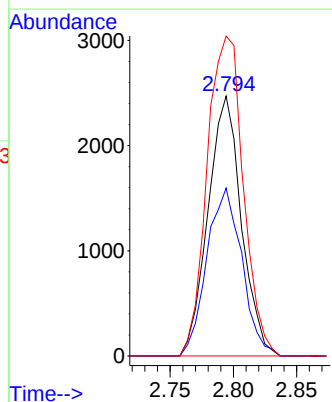
MMDadoda
8/13/2021 3:43:54 PM

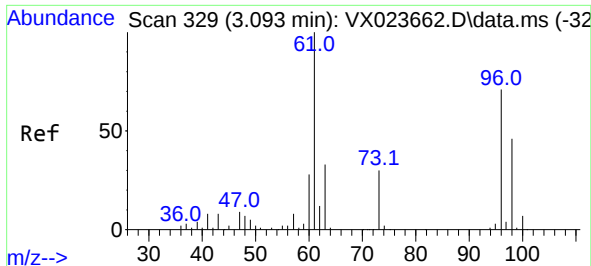


#16
Methylene chloride
Concen: 2.356 ug/L
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20



Tgt Ion: 84 Resp: 4537
Ion Ratio Lower Upper
84 100
86 64.6 44.2 82.0
49 123.2 77.8 144.6





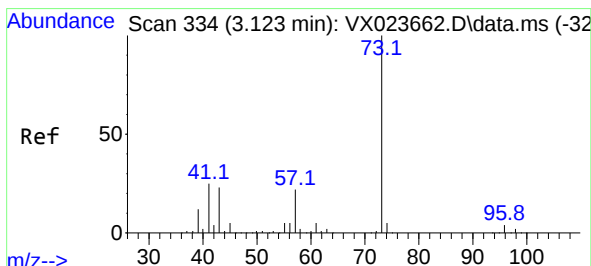
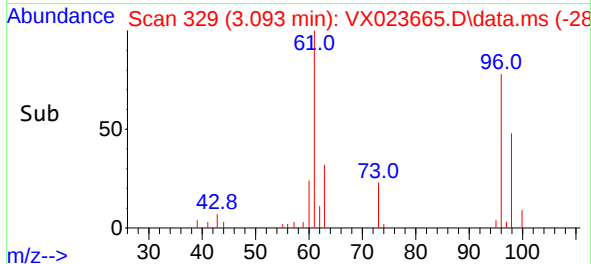
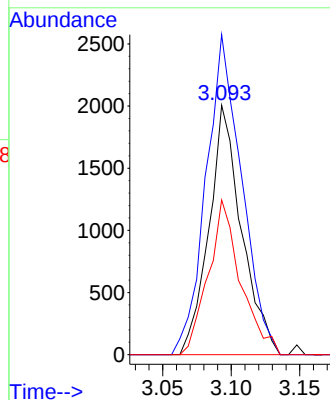
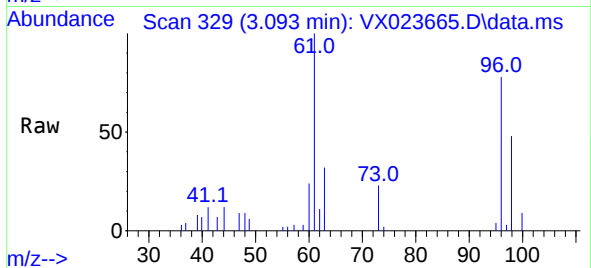
#17
trans-1,2-Dichloroethene
Concen: 2.032 ug/L
RT: 3.093 min Scan# 329
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion: 96 Resp: 3327
Ion Ratio Lower Upper
96 100
61 128.3 92.3 171.3
98 62.0 46.3 85.9

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

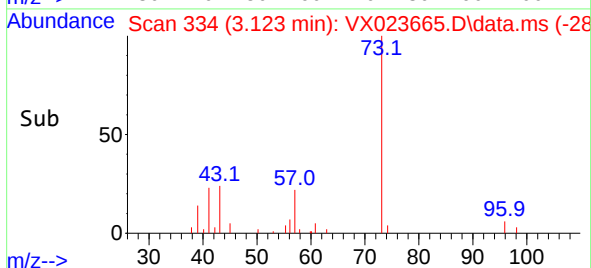
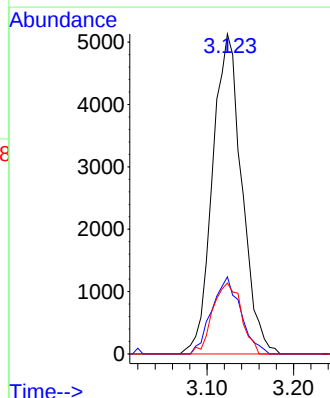
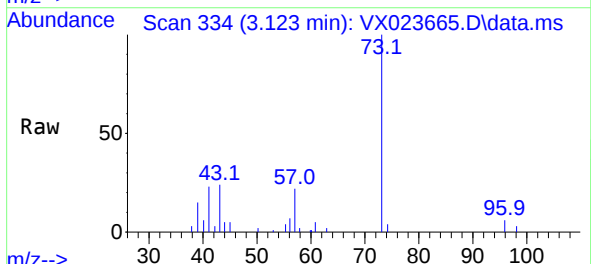
Manual Integrations
APPROVED

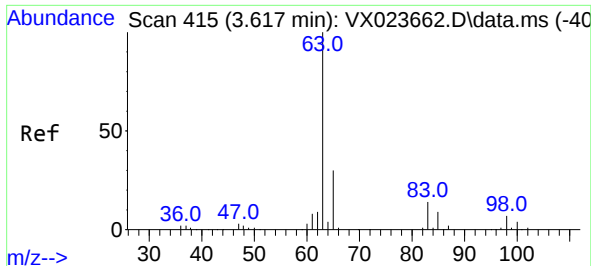
MMDadoda
8/13/2021 3:43:54 PM



#18
Methyl tert-butyl Ether
Concen: 1.982 ug/L
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion: 73 Resp: 12029
Ion Ratio Lower Upper
73 100
43 23.8 15.1 22.7#
57 21.7 17.4 26.2





#19

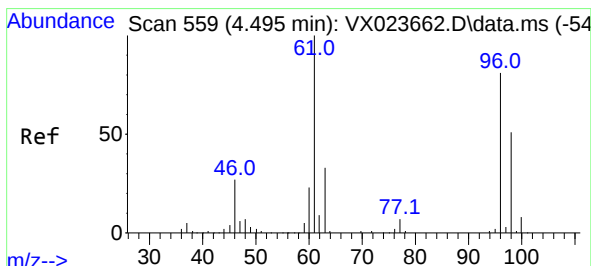
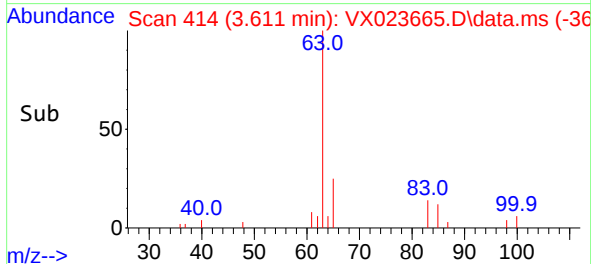
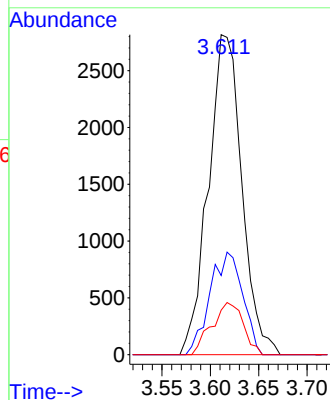
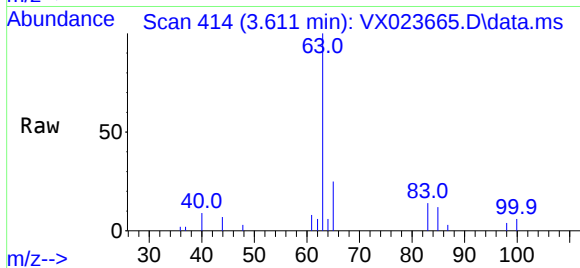
1,1-Dichloroethane
Concen: 2.032 ug/L
RT: 3.611 min Scan# 414
Delta R.T. -0.006 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion:	63	Resp:	6783
Ion	Ratio	Lower	Upper
63	100		
65	24.7	22.4	41.6
83	13.9	9.5	17.7

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

Manual Integrations
APPROVED

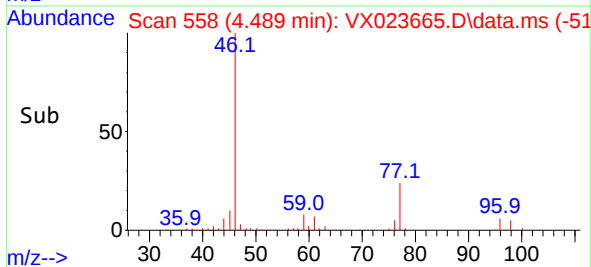
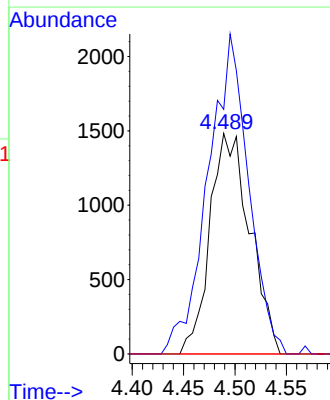
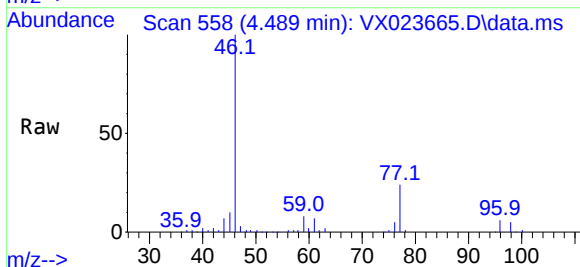
MMDadoda
8/13/2021 3:43:54 PM

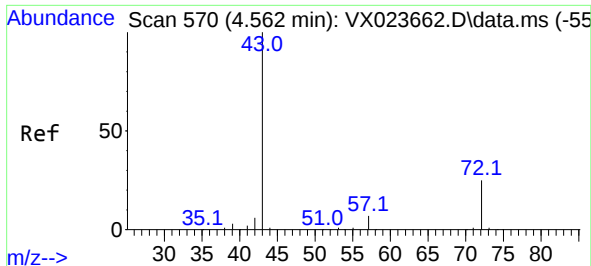


#20

cis-1,2-Dichloroethene
Concen: 2.031 ug/L
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

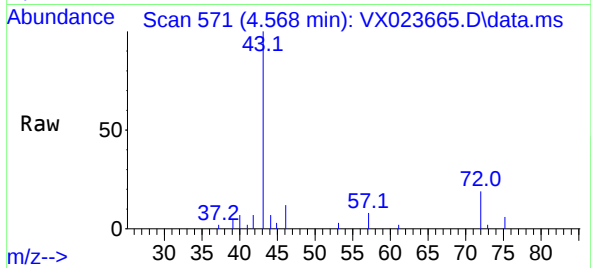
Tgt Ion:	96	Resp:	4018
Ion	Ratio	Lower	Upper
96	100		
61	110.9	87.8	163.0
68	0.0	0.0	0.0





#22
2-Butanone
Concen: 4.688 ug/L
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

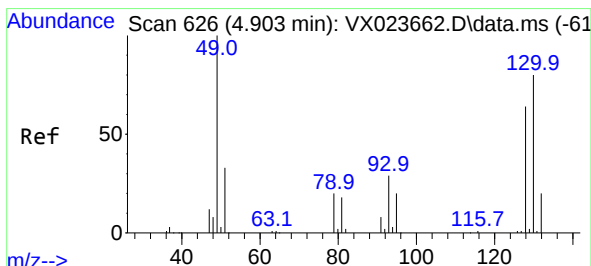
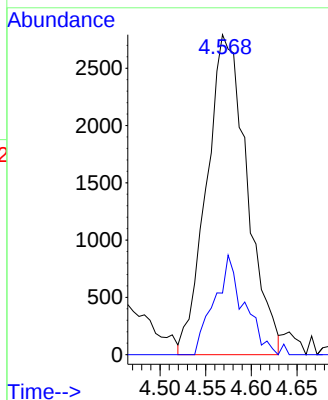
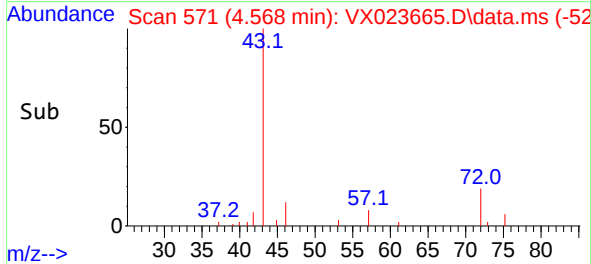
Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08



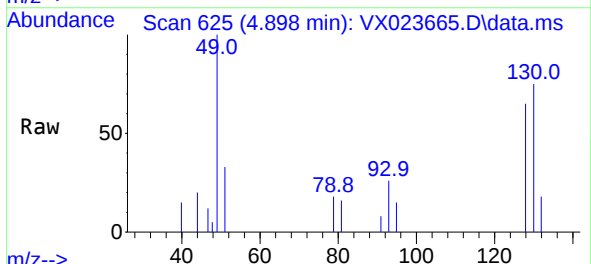
Tgt Ion: 43 Resp: 8591
Ion Ratio Lower Upper
43 100
72 17.0 15.3 45.8

Manual Integrations
APPROVED

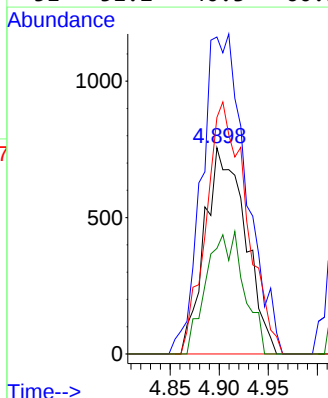
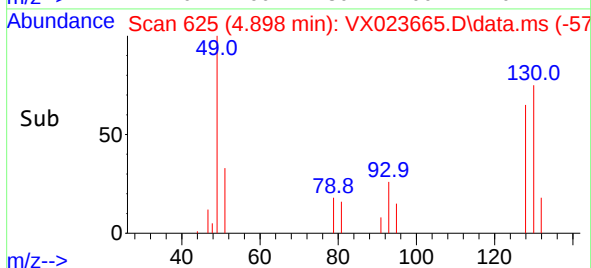
MMDadoda
8/13/2021 3:43:54 PM

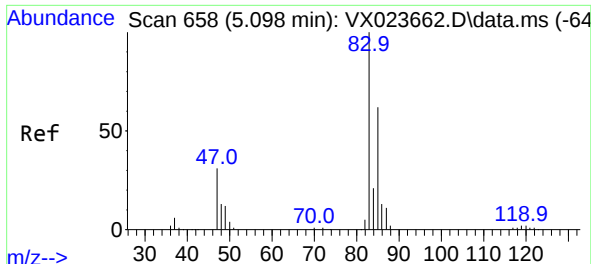


#23
Bromochloromethane
Concen: 2.089 ug/L m
RT: 4.898 min Scan# 625
Delta R.T. -0.006 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20



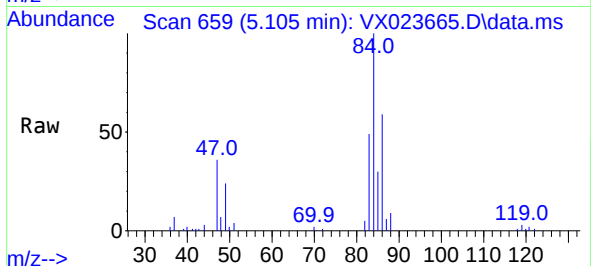
Tgt Ion: 128 Resp: 2184
Ion Ratio Lower Upper
128 100
49 153.7 107.5 199.7
130 114.7 91.1 169.3
51 51.2 40.3 60.5





#25
Chloroform
Concen: 3.520 ug/L
RT: 5.105 min Scan# 659
Delta R.T. 0.006 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

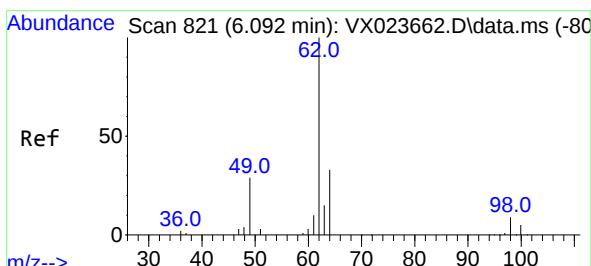
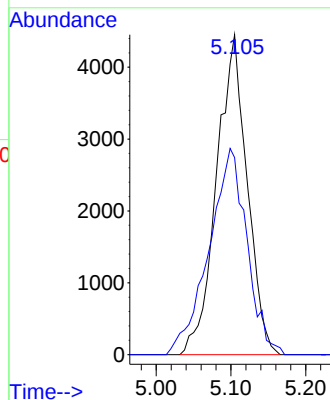
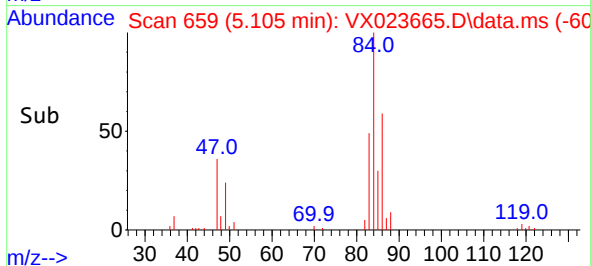
Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08



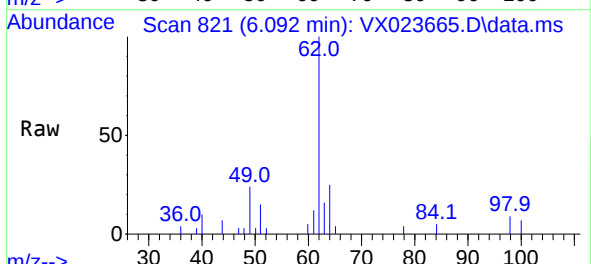
Tgt Ion: 83 Resp: 12689
Ion Ratio Lower Upper
83 100
85 61.6 46.3 85.9

Manual Integrations
APPROVED

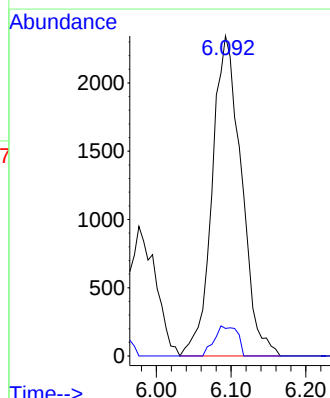
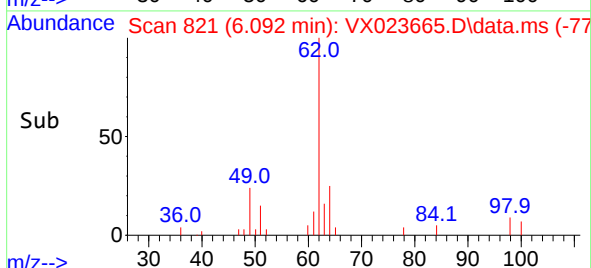
MMDadoda
8/13/2021 3:43:54 PM

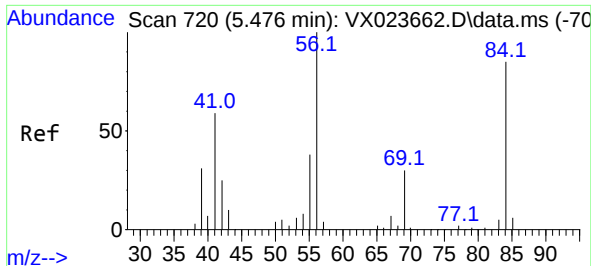


#27
1,2-Dichloroethane
Concen: 2.193 ug/L
RT: 6.092 min Scan# 821
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

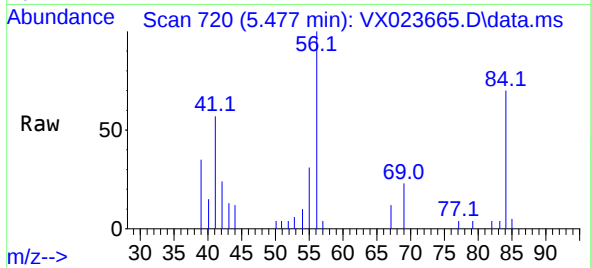


Tgt Ion: 62 Resp: 6378
Ion Ratio Lower Upper
62 100
98 8.6 7.9 11.9

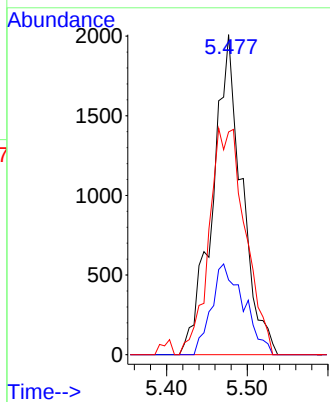
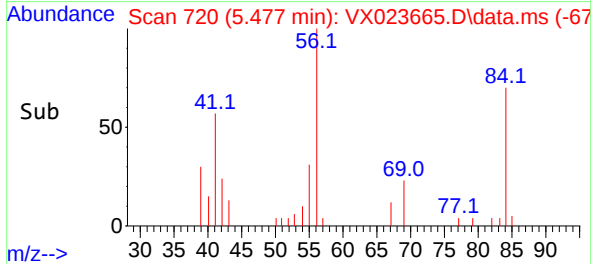




#29
Cyclohexane
Concen: 1.884 ug/L m
RT: 5.477 min Scan# 720
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20



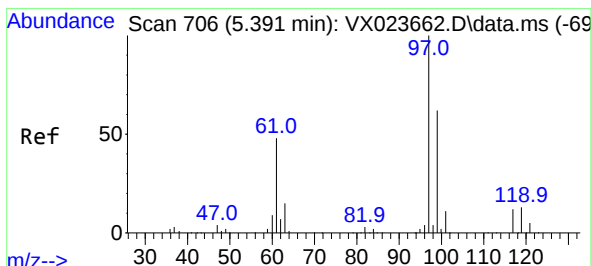
Tgt Ion: 56 Resp: 5092
Ion Ratio Lower Upper
56 100
69 20.4 25.7 38.5#
84 39.8 72.4 108.6#



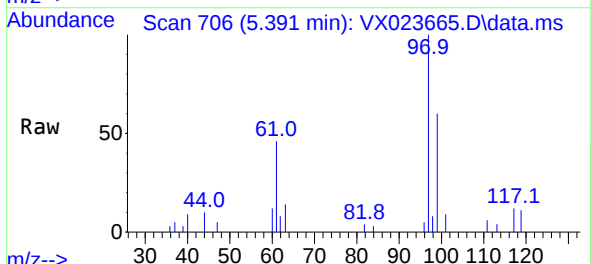
Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

Manual Integrations
APPROVED

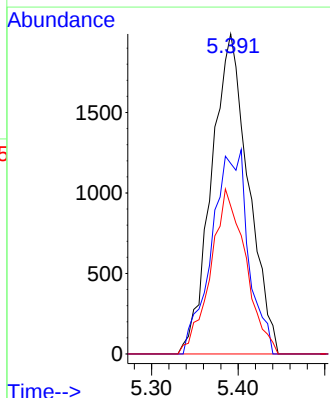
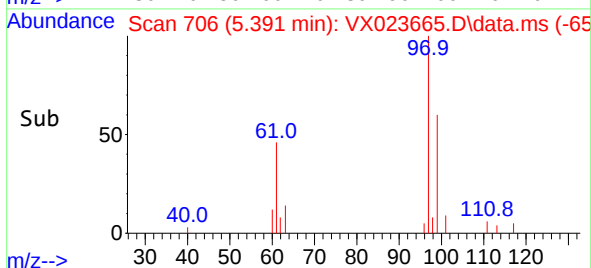
MMDadoda
8/13/2021 3:43:54 PM

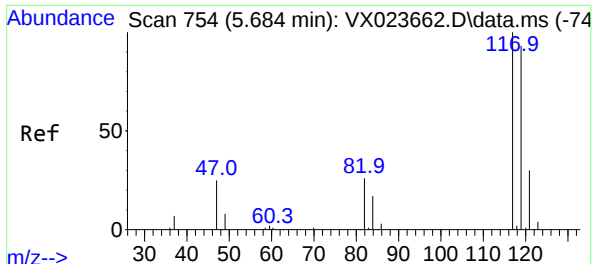


#30
1,1,1-Trichloroethane
Concen: 1.939 ug/L
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

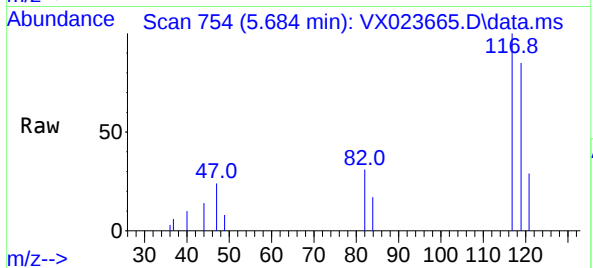


Tgt Ion: 97 Resp: 5881
Ion Ratio Lower Upper
97 100
99 43.7 52.1 78.1#
61 49.0 35.3 52.9

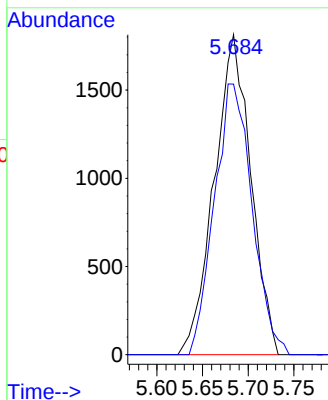
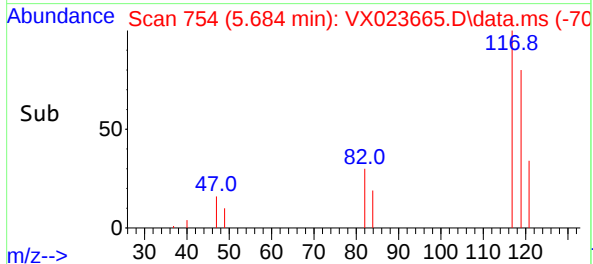




#31
Carbon tetrachloride
Concen: 1.981 ug/L
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20



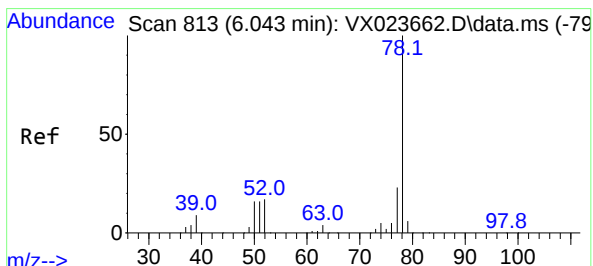
Tgt Ion: 117 Resp: 5046
Ion Ratio Lower Upper
117 100
119 87.3 77.5 116.3



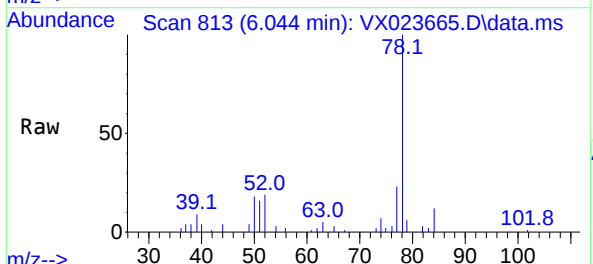
Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

Manual Integrations
APPROVED

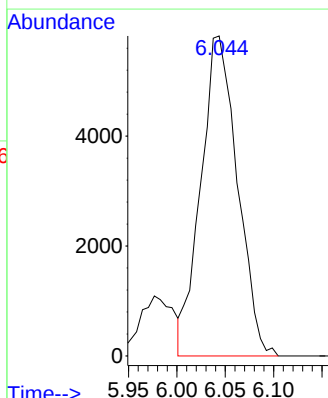
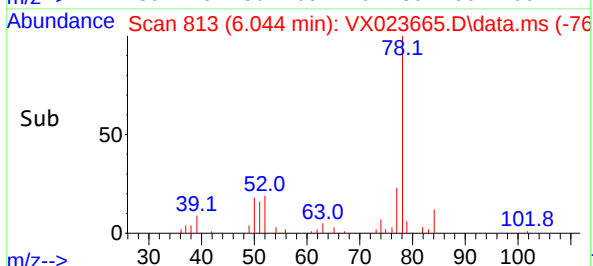
MMDadoda
8/13/2021 3:43:54 PM

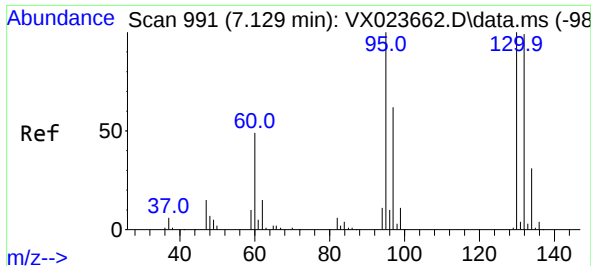


#33
Benzene
Concen: 2.091 ug/L
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

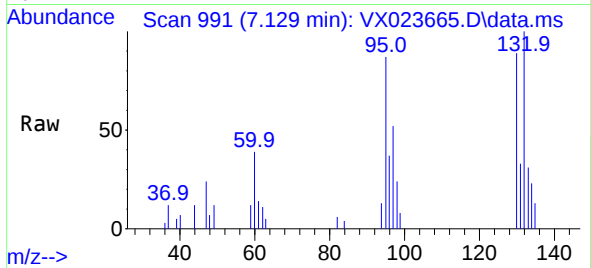


Tgt Ion: 78 Resp: 15336



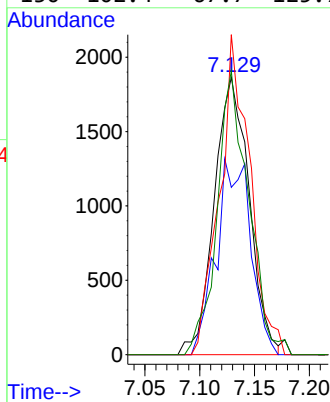
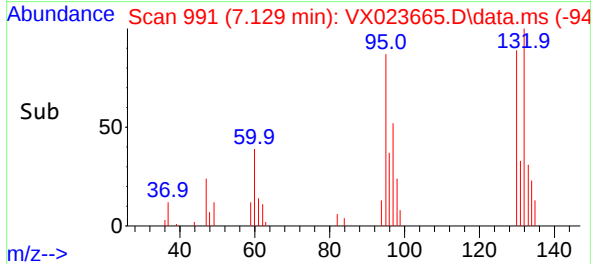


#34
Trichloroethene
Concen: 2.099 ug/L
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20



Tgt Ion: 95 Resp: 4119

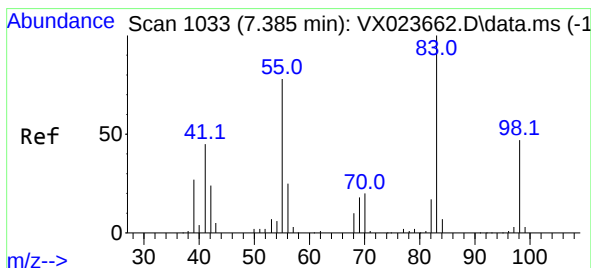
Ion	Ratio	Lower	Upper
95	100		
97	60.3	44.5	82.7
132	115.4	65.2	121.0
130	102.4	67.7	125.7



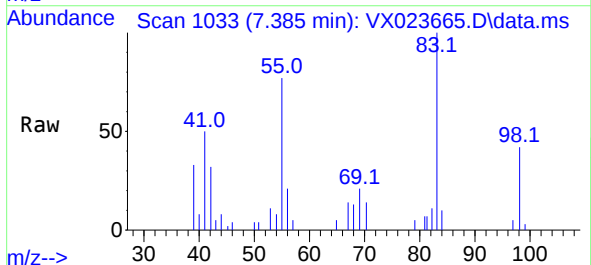
Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

Manual Integrations
APPROVED

MMDadoda
8/13/2021 3:43:54 PM

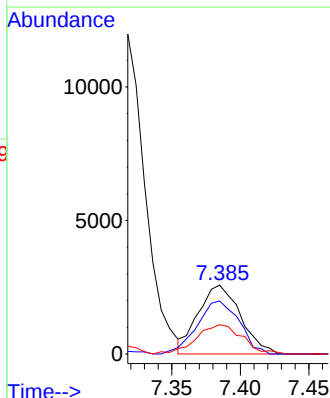
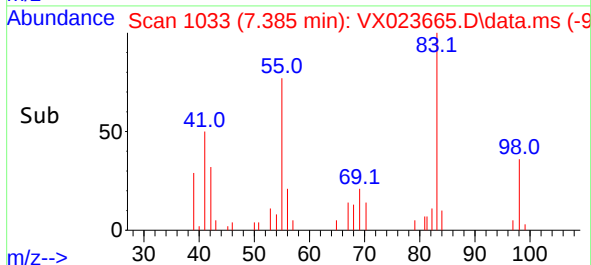


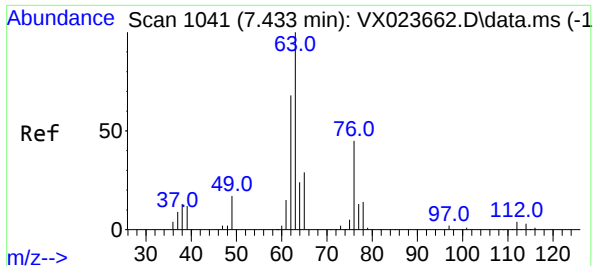
#35
Methylcyclohexane
Concen: 1.957 ug/L
RT: 7.385 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20



Tgt Ion: 83 Resp: 5516

Ion	Ratio	Lower	Upper
83	100		
55	76.7	61.2	91.8
98	46.1	38.7	58.1





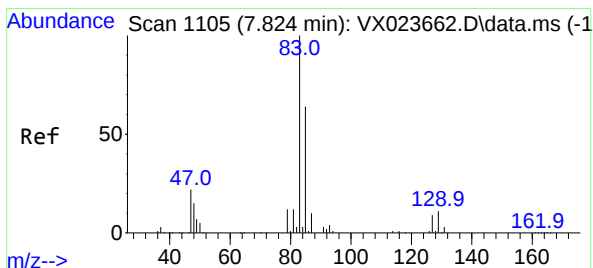
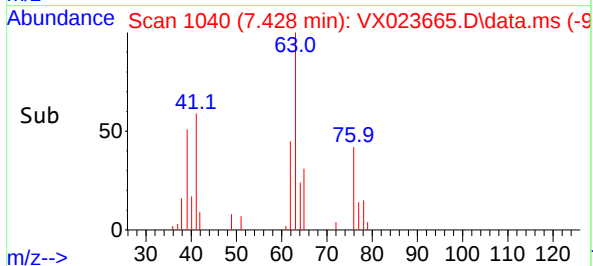
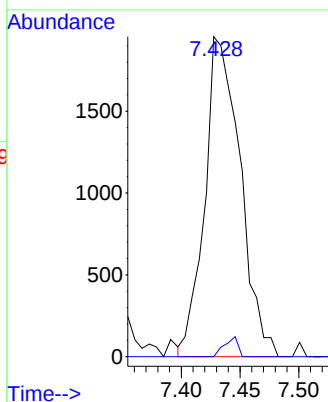
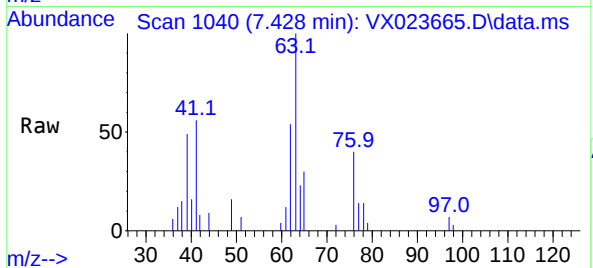
#37
1,2-Dichloropropane
Concen: 2.040 ug/L
RT: 7.428 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

Tgt Ion: 63 Resp: 4105
Ion Ratio Lower Upper
63 100
112 2.3 3.6 5.4#

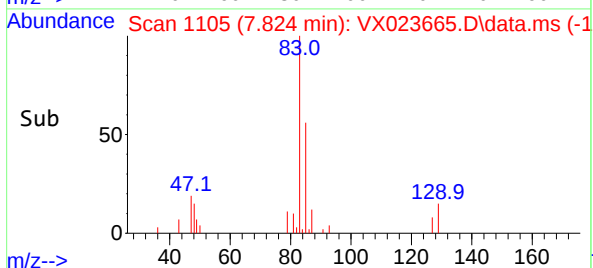
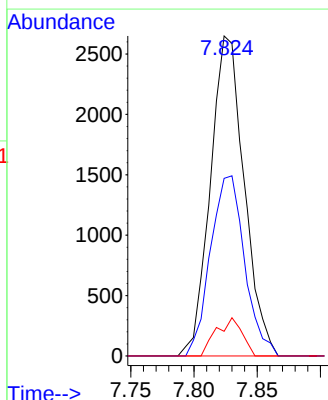
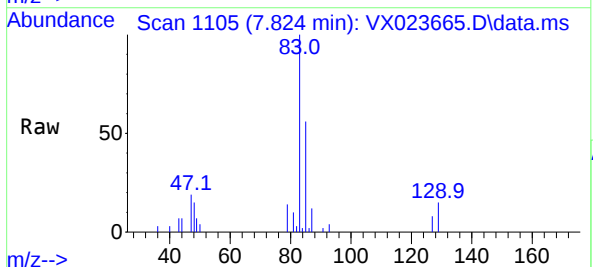
Manual Integrations
APPROVED

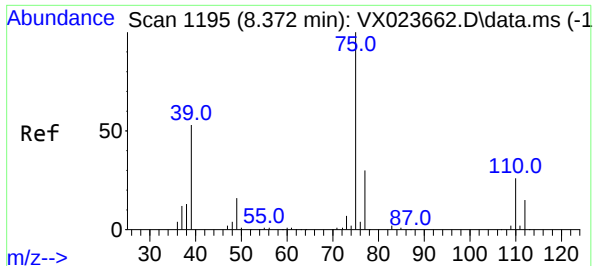
MMDadoda
8/13/2021 3:43:54 PM



#38
Bromodichloromethane
Concen: 1.961 ug/L
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion: 83 Resp: 4922
Ion Ratio Lower Upper
83 100
85 55.5 45.1 83.7
127 7.7 6.6 10.0





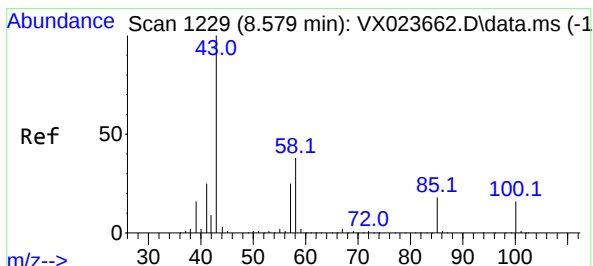
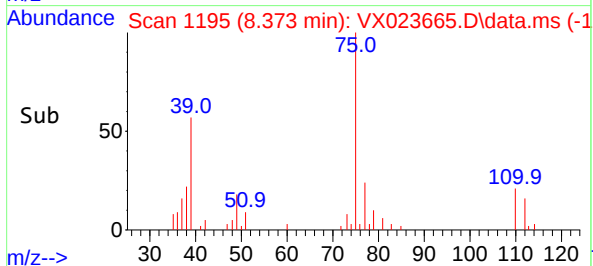
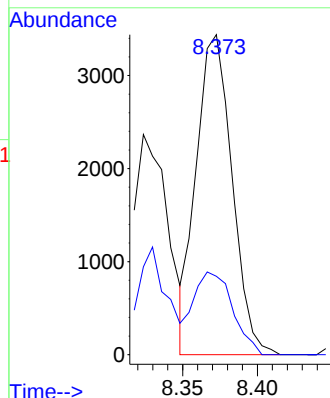
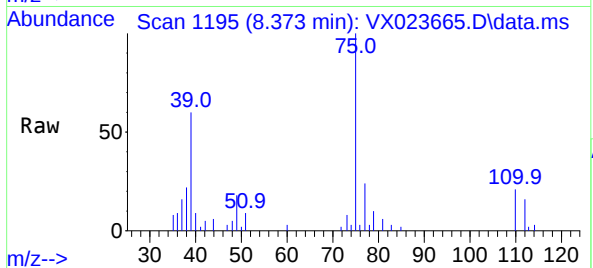
#39
cis-1,3-Dichloropropene
Concen: 1.943 ug/L
RT: 8.373 min Scan# 1195
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion: 75 Resp: 5723
Ion Ratio Lower Upper
75 100
77 24.5 22.7 42.3

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

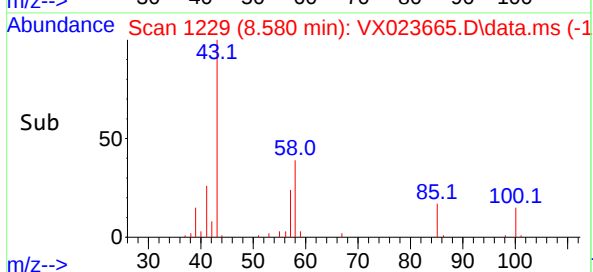
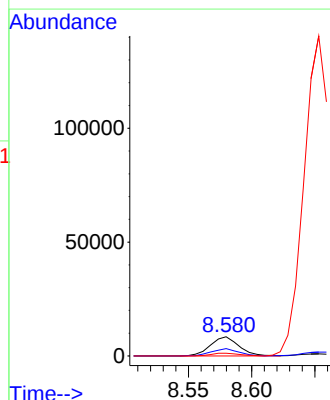
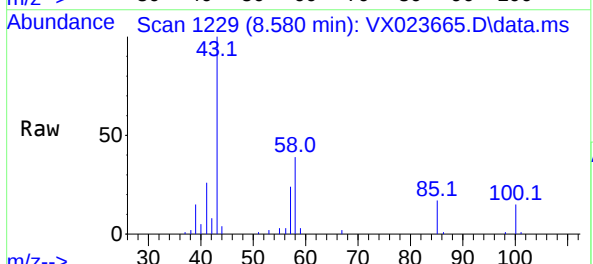
Manual Integrations
APPROVED

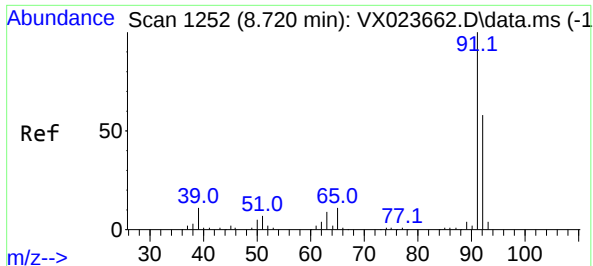
MMDadoda
8/13/2021 3:43:54 PM



#40
4-Methyl-2-pentanone
Concen: 4.078 ug/L
RT: 8.580 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion: 43 Resp: 13226
Ion Ratio Lower Upper
43 100
58 36.6 35.0 52.4
100 14.4 14.2 21.4





#42

Toluene

Concen: 2.631 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX023665.D

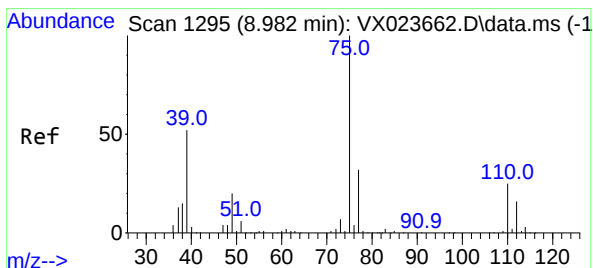
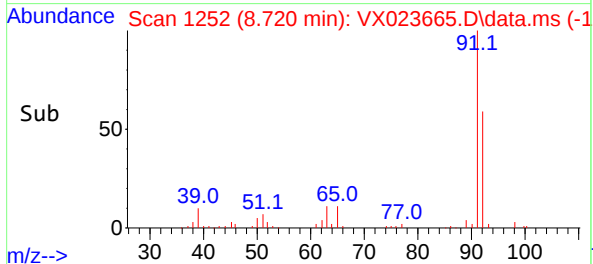
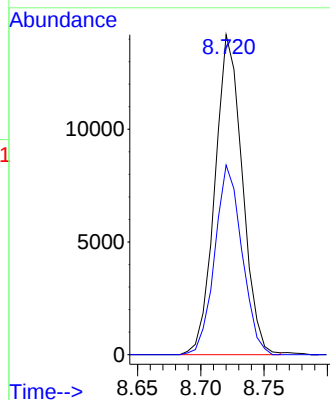
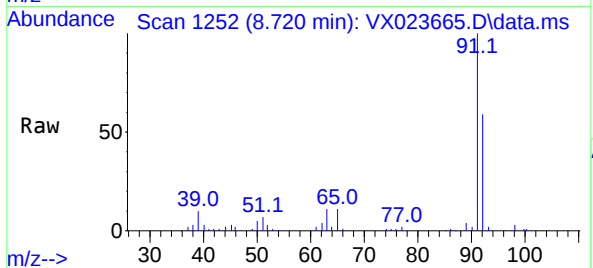
Acq: 12 Aug 2021 11:20

Tgt Ion: 91 Resp: 21397

Ion Ratio Lower Upper

91 100

92 59.2 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 1.838 ug/L

RT: 8.982 min Scan# 1295

Delta R.T. 0.000 min

Lab File: VX023665.D

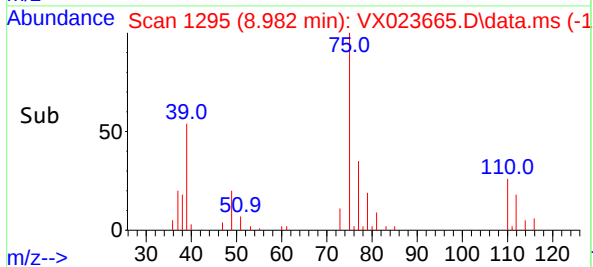
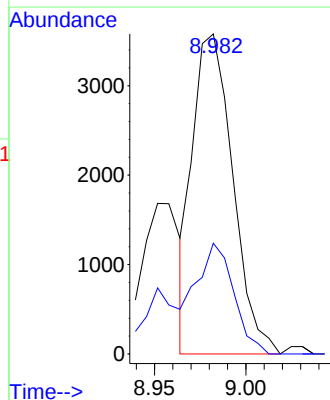
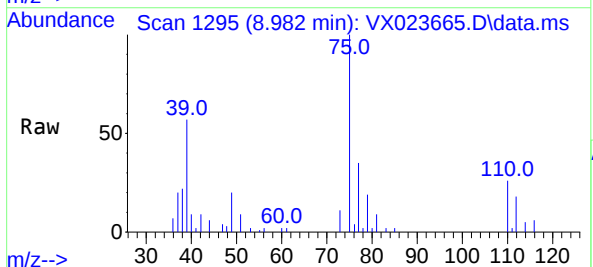
Acq: 12 Aug 2021 11:20

Tgt Ion: 75 Resp: 5455

Ion Ratio Lower Upper

75 100

77 34.6 22.4 41.6



Instrument :

MSVOA_X

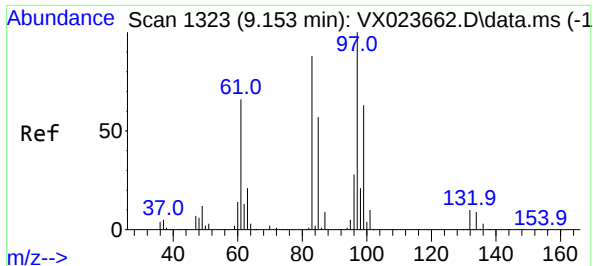
ClientSampleId :

MDL-SOIL-QT4-2021-08

Manual Integrations

APPROVED

MMDadoda
8/13/2021 3:43:54 PM



#45

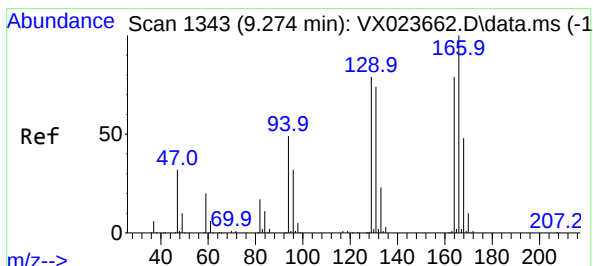
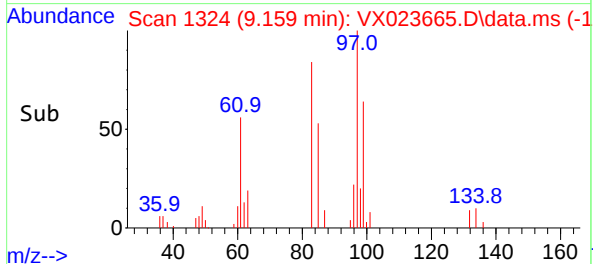
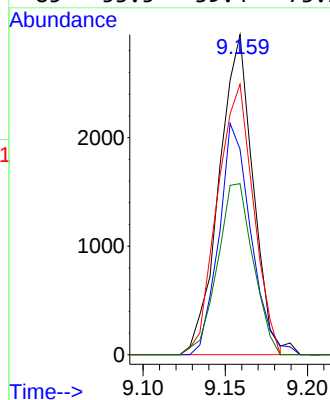
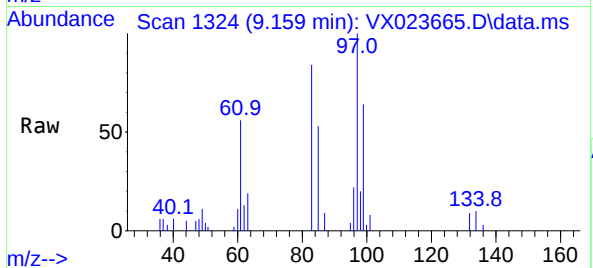
1,1,2-Trichloroethane
Concen: 2.062 ug/L
RT: 9.159 min Scan# 1324
Delta R.T. 0.006 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion:	97	Resp:	4215
Ion	Ratio	Lower	Upper
97	100		
99	64.2	44.0	81.6
83	84.5	60.8	113.0
85	53.5	39.4	73.2

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

Manual Integrations
APPROVED

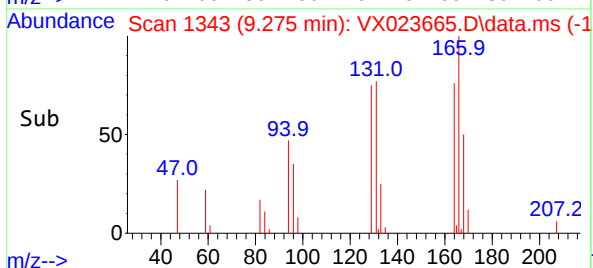
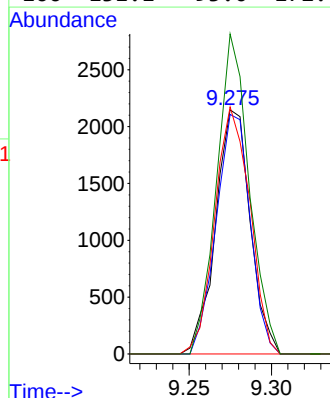
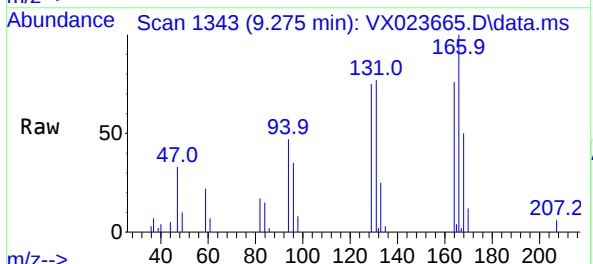
MMDadoda
8/13/2021 3:43:54 PM

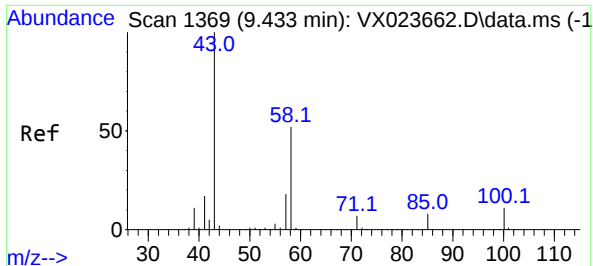


#46

Tetrachloroethene
Concen: 2.111 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion:	164	Resp:	3143
Ion	Ratio	Lower	Upper
164	100		
129	98.1	65.6	121.8
131	101.2	63.7	118.3
166	131.1	93.0	172.6





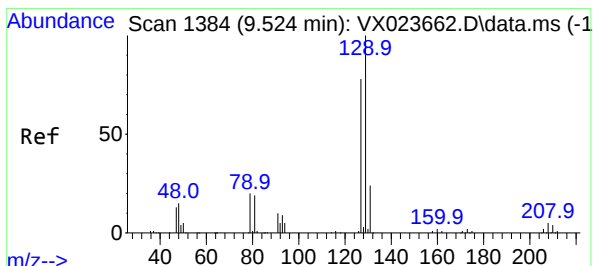
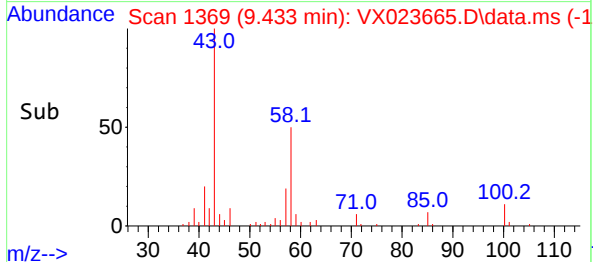
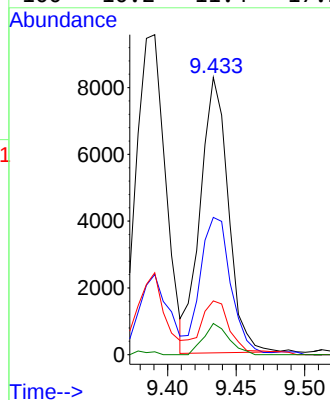
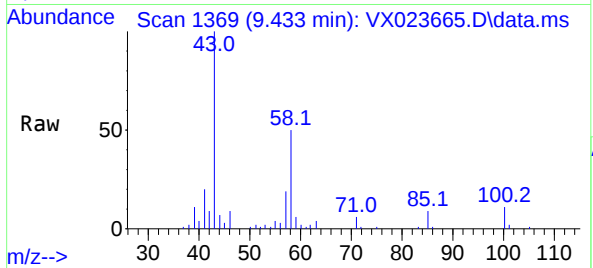
#48
2-Hexanone
Concen: 4.488 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion: 43 Resp: 11753
Ion Ratio Lower Upper
43 100
58 55.1 50.1 75.1
57 19.5 17.3 25.9
100 10.2 11.4 17.2#

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

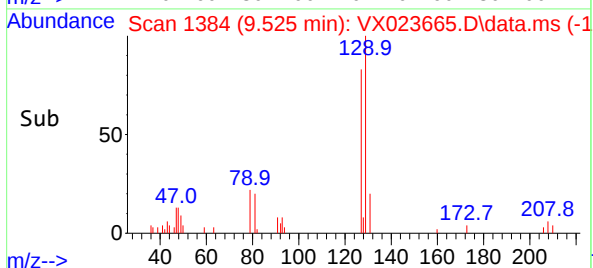
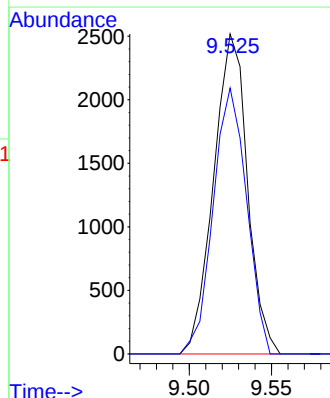
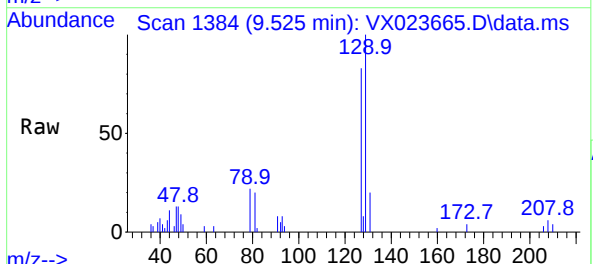
Manual Integrations
APPROVED

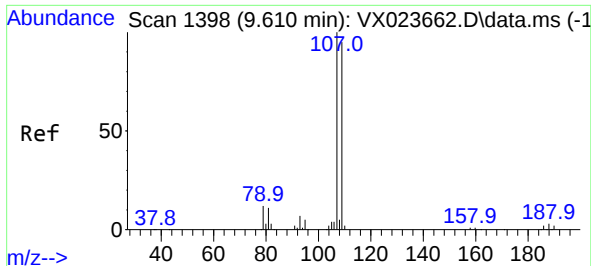
MMDadoda
8/13/2021 3:43:54 PM



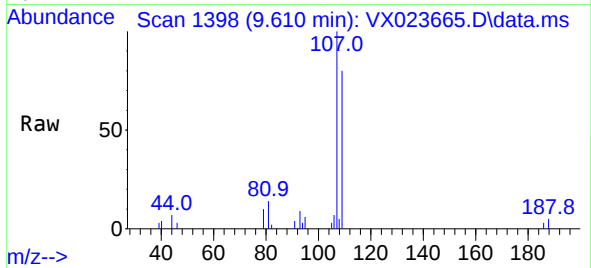
#49
Dibromochloromethane
Concen: 1.748 ug/L
RT: 9.525 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion: 129 Resp: 3607
Ion Ratio Lower Upper
129 100
127 83.1 52.5 97.5

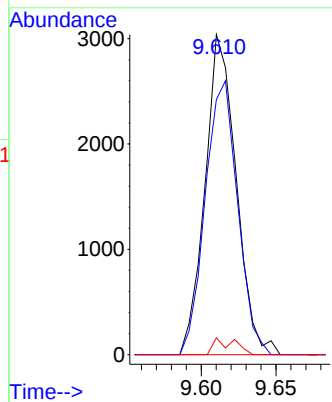
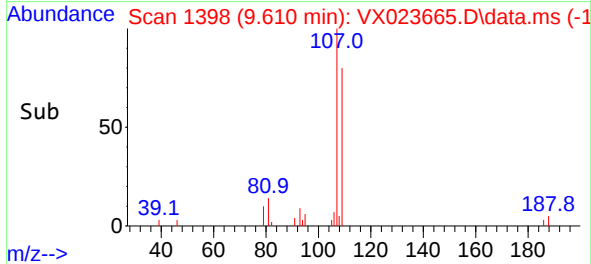




#50
1,2-Dibromoethane
Concen: 2.102 ug/L
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20



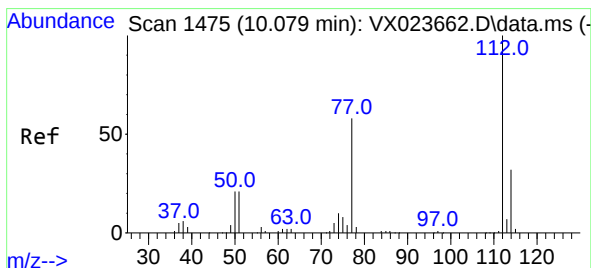
Tgt Ion:107 Resp: 4400
Ion Ratio Lower Upper
107 100
109 79.7 66.4 123.4
188 5.3 3.2 4.8#



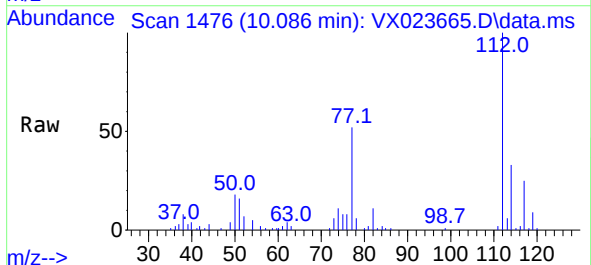
Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

Manual Integrations
APPROVED

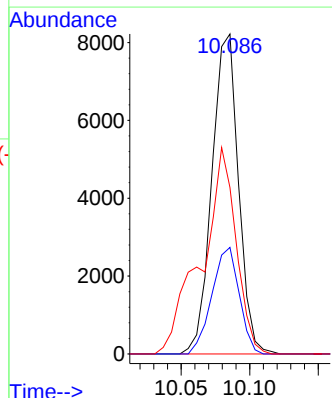
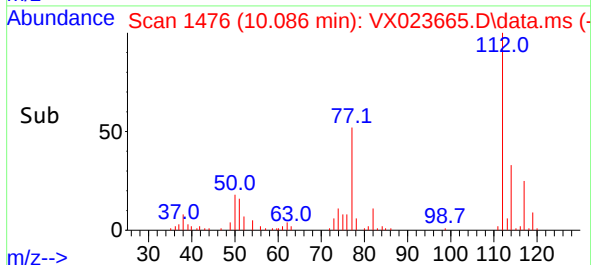
MMDadoda
8/13/2021 3:43:54 PM

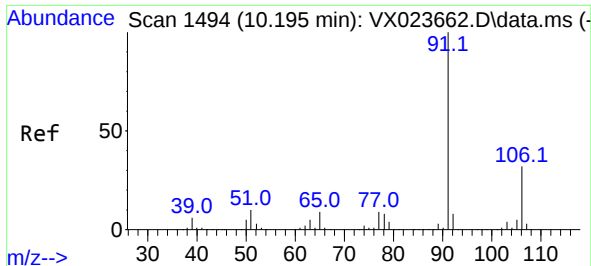


#51
Chlorobenzene
Concen: 2.050 ug/L
RT: 10.086 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20



Tgt Ion:112 Resp: 11074
Ion Ratio Lower Upper
112 100
114 33.3 23.2 43.2
77 52.0 48.4 72.6





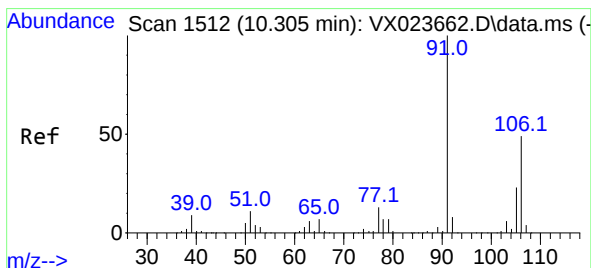
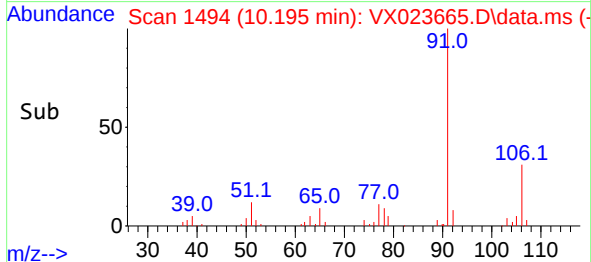
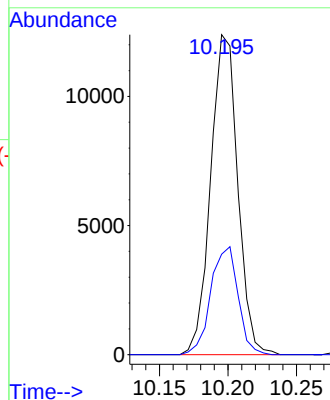
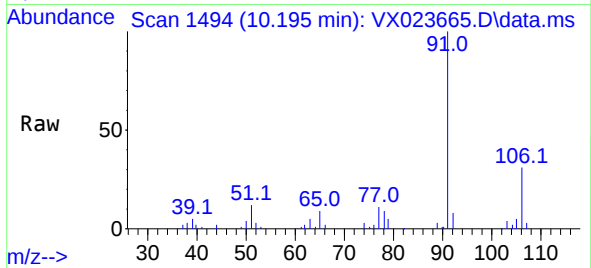
#52
Ethylbenzene
Concen: 1.915 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion: 91 Resp: 17050
Ion Ratio Lower Upper
91 100
106 31.4 21.0 39.0

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

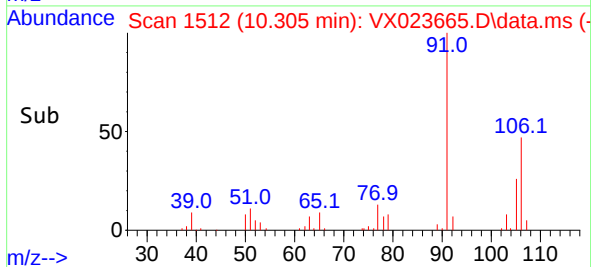
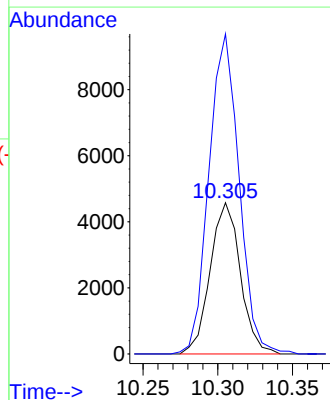
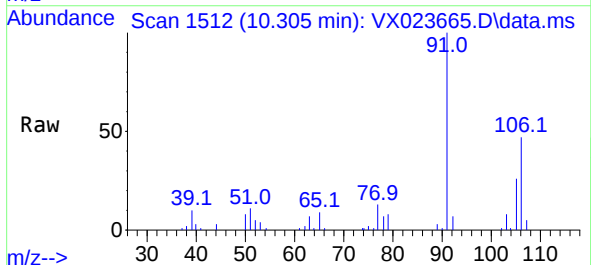
Manual Integrations
APPROVED

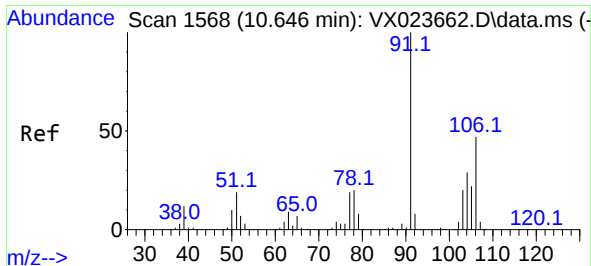
MMDadoda
8/13/2021 3:43:54 PM



#53
m,p-Xylene
Concen: 1.897 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion: 106 Resp: 6439
Ion Ratio Lower Upper
106 100
91 211.7 142.5 264.6





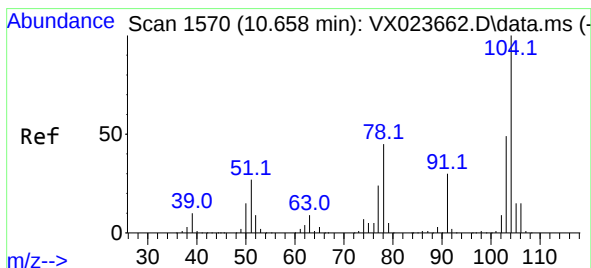
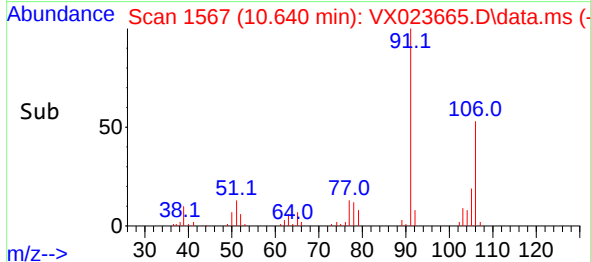
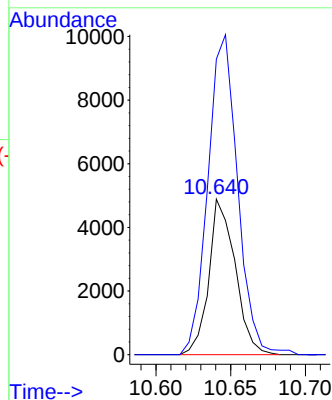
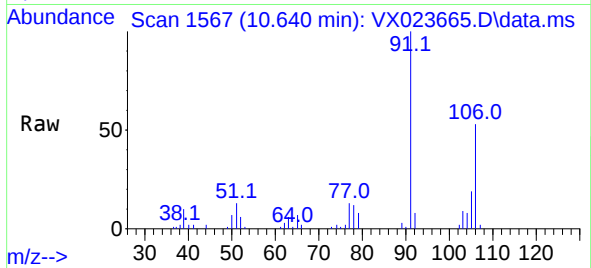
#54
o-Xylene
Concen: 1.773 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion:106 Resp: 5995
Ion Ratio Lower Upper
106 100
91 190.1 156.2 290.0

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

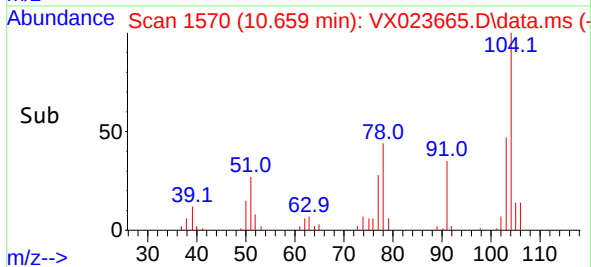
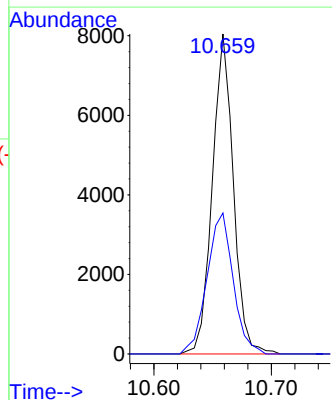
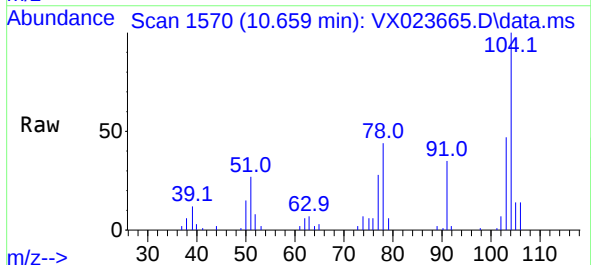
Manual Integrations
APPROVED

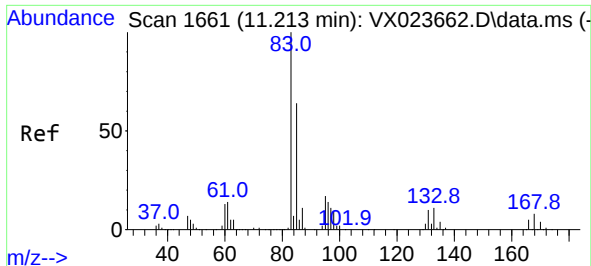
MMDadoda
8/13/2021 3:43:54 PM



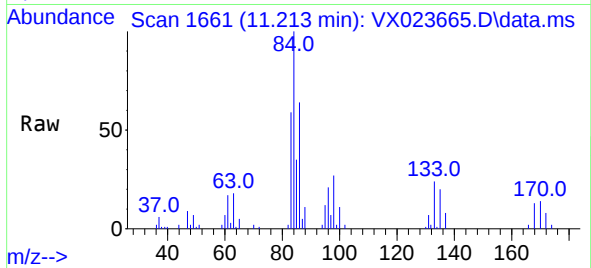
#55
Styrene
Concen: 1.760 ug/L
RT: 10.659 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion:104 Resp: 10028
Ion Ratio Lower Upper
104 100
78 44.1 30.0 55.6



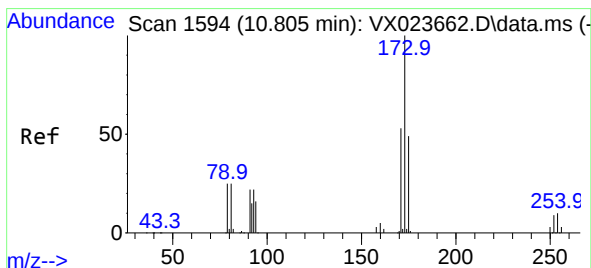
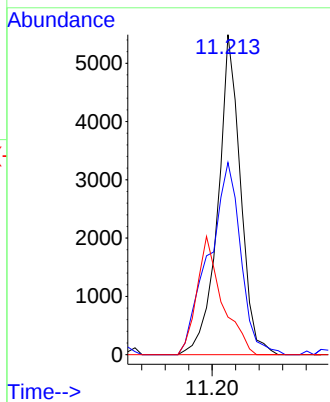
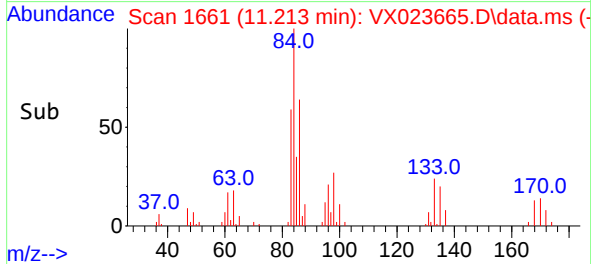


#57
1,1,2,2-Tetrachloroethane
Concen: 2.357 ug/L
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

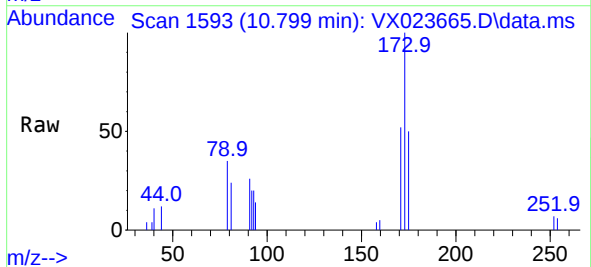


Tgt Ion: 83 Resp: 7324

Ion	Ratio	Lower	Upper
83	100		
85	60.1	44.7	82.9
131	11.7	7.8	11.8

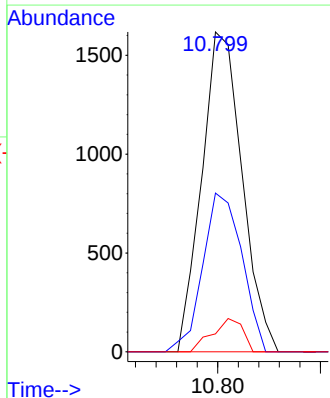
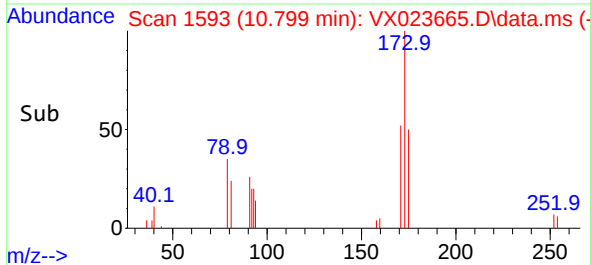


#59
Bromoform
Concen: 1.651 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. -0.006 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20



Tgt Ion: 173 Resp: 2209

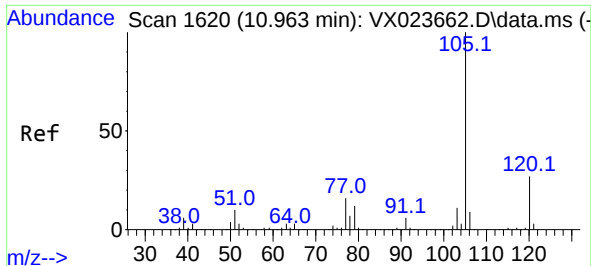
Ion	Ratio	Lower	Upper
173	100		
175	48.1	39.4	59.2
254	7.9	8.6	13.0



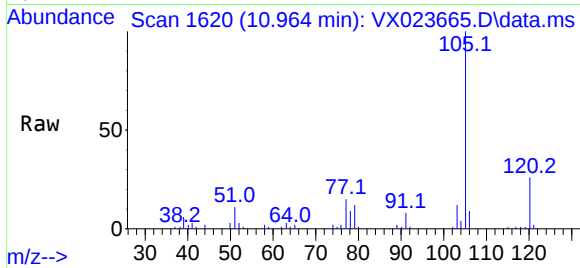
Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

Manual Integrations
APPROVED

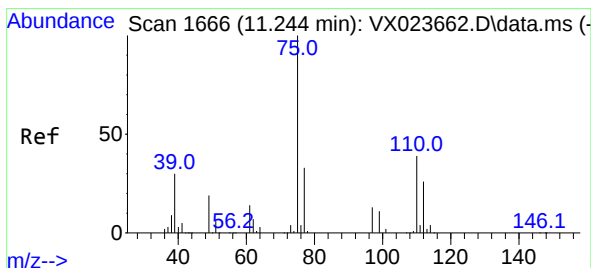
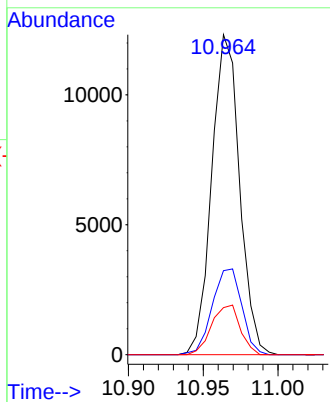
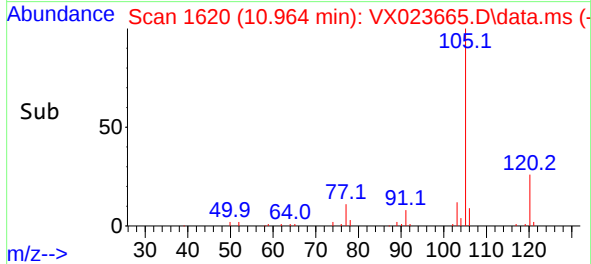
MMDadoda
8/13/2021 3:43:54 PM



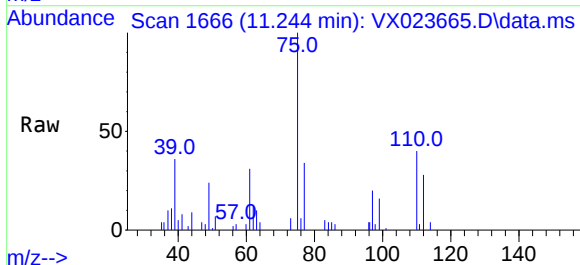
#60
Isopropylbenzene
Concen: 1.882 ug/L
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20



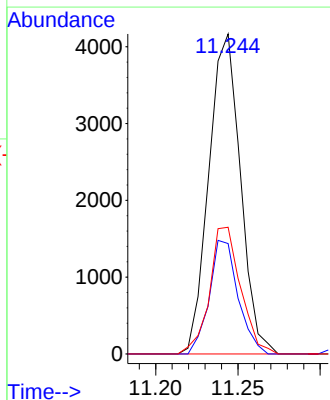
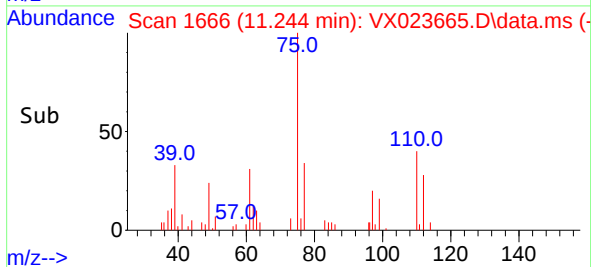
Tgt Ion: 105 Resp: 15939
Ion Ratio Lower Upper
105 100
120 28.4 21.2 31.8
77 15.9 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 2.223 ug/L
RT: 11.244 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20



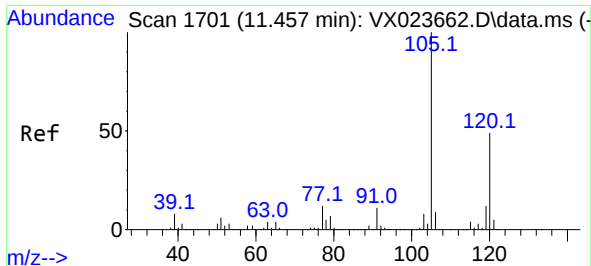
Tgt Ion: 75 Resp: 5578
Ion Ratio Lower Upper
75 100
77 32.2 26.2 39.2
110 38.9 31.8 47.8



Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

Manual Integrations
APPROVED

MMDadoda
8/13/2021 3:43:54 PM



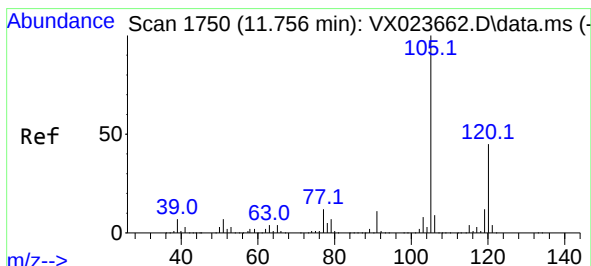
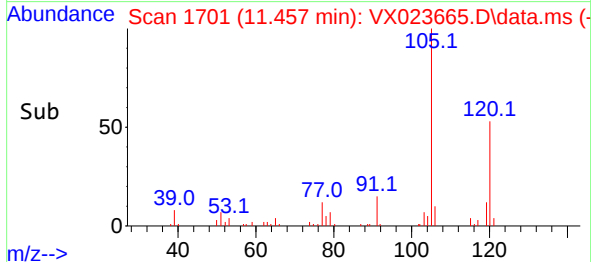
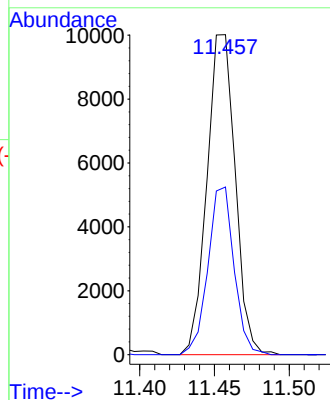
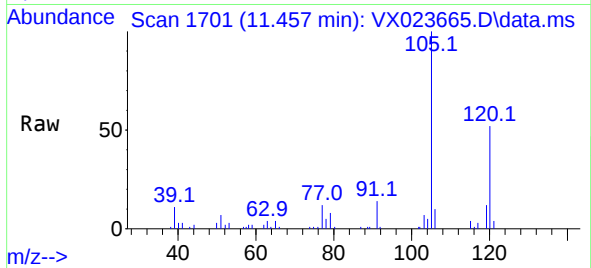
#62
1,3,5-Trimethylbenzene
Concen: 1.926 ug/L
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion:105 Resp: 13201
Ion Ratio Lower Upper
105 100
120 48.3 38.0 57.0

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

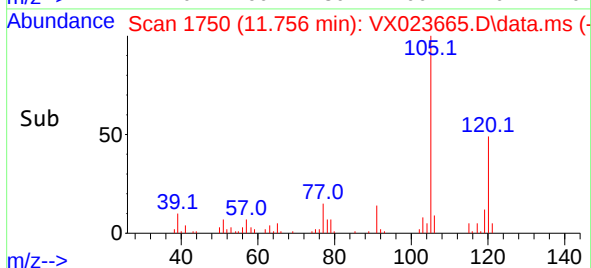
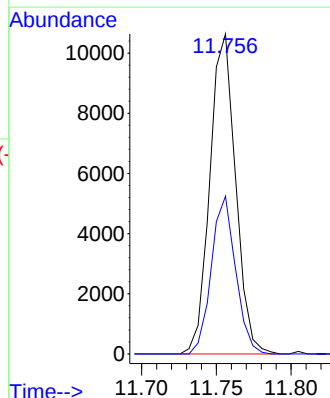
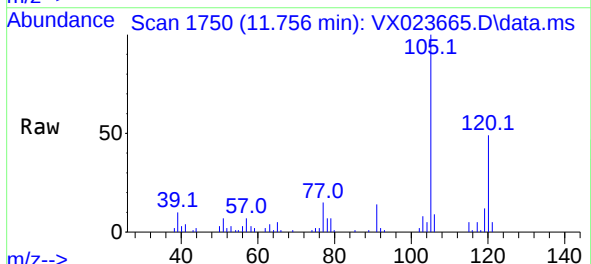
Manual Integrations
APPROVED

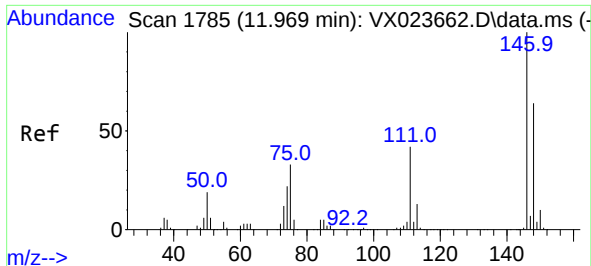
MMDadoda
8/13/2021 3:43:54 PM



#63
1,2,4-Trimethylbenzene
Concen: 1.830 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion:105 Resp: 12753
Ion Ratio Lower Upper
105 100
120 46.3 36.4 54.6





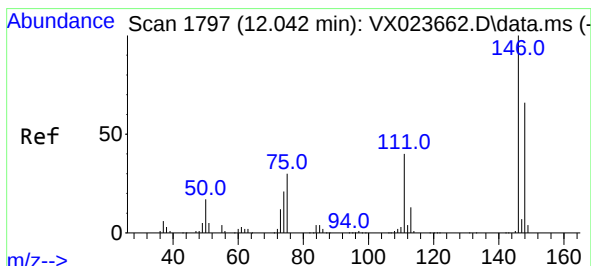
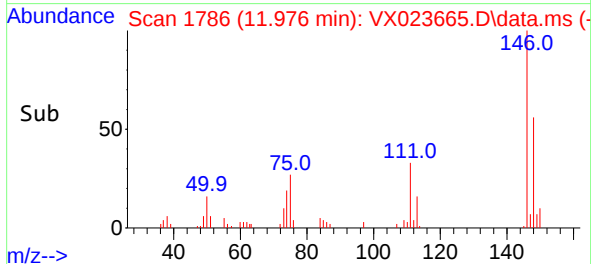
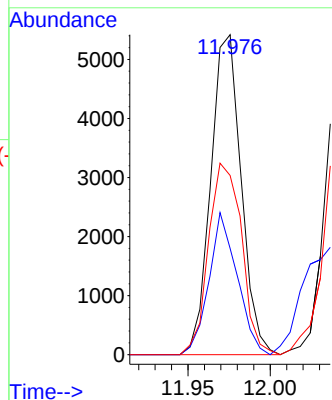
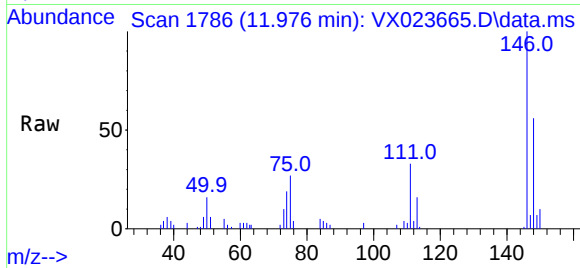
#64
1,3-Dichlorobenzene
Concen: 1.883 ug/L
RT: 11.976 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion:146 Resp: 6964
Ion Ratio Lower Upper
146 100
111 33.2 28.9 53.7
148 56.0 47.7 88.7

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

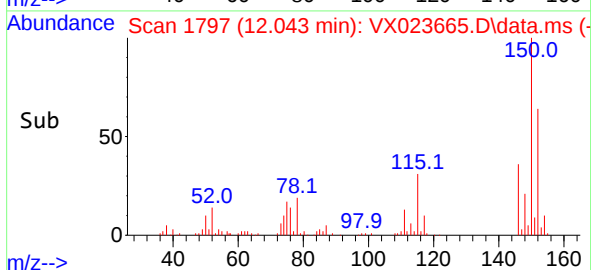
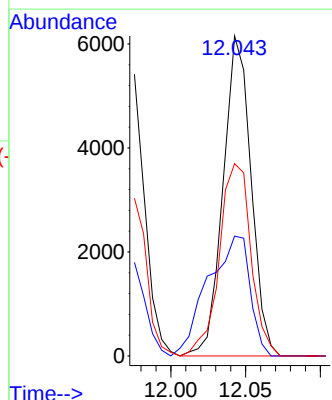
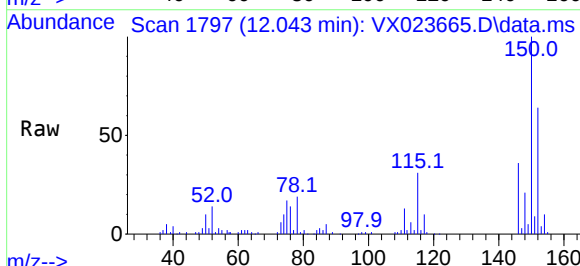
Manual Integrations
APPROVED

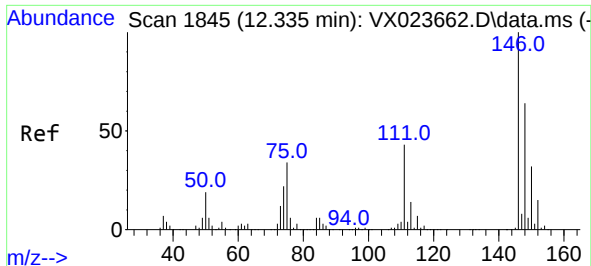
MMDadoda
8/13/2021 3:43:54 PM



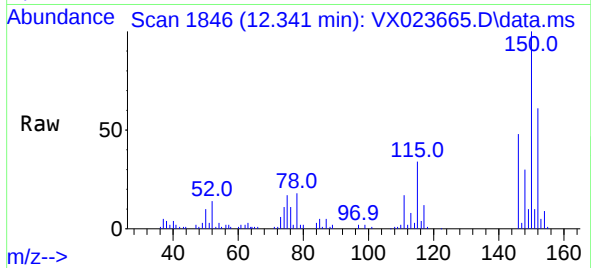
#65
1,4-Dichlorobenzene
Concen: 2.171 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion:146 Resp: 7996
Ion Ratio Lower Upper
146 100
111 37.4 28.7 53.3
148 60.1 45.8 85.2

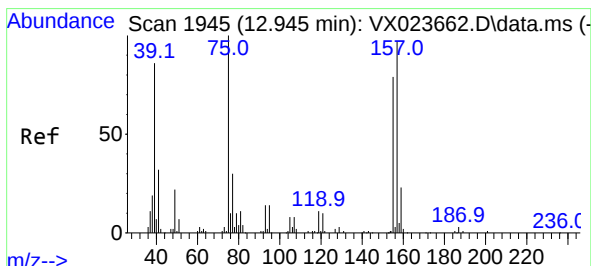
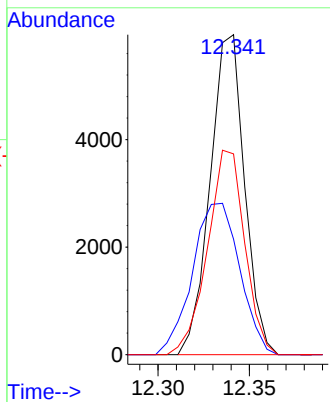
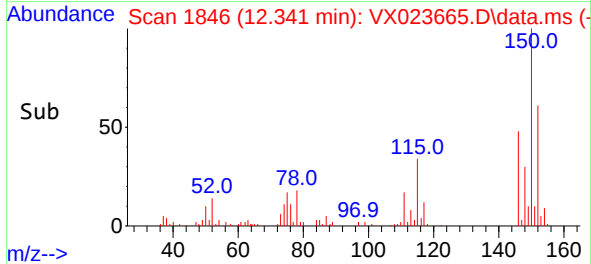




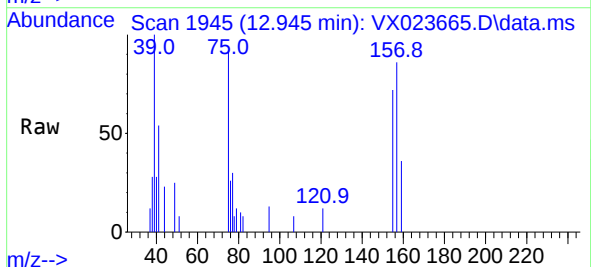
#67
1,2-Dichlorobenzene
Concen: 2.150 ug/L
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20



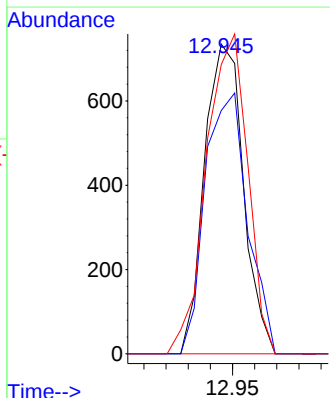
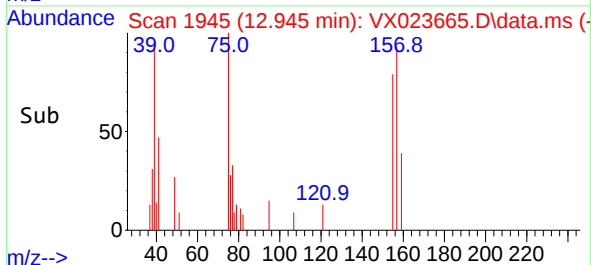
Tgt Ion: 146 Resp: 7808
Ion Ratio Lower Upper
146 100
111 36.1 33.8 50.8
148 62.8 51.4 77.2



#68
1,2-Dibromo-3-chloropropane
Concen: 1.538 ug/L m
RT: 12.945 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20



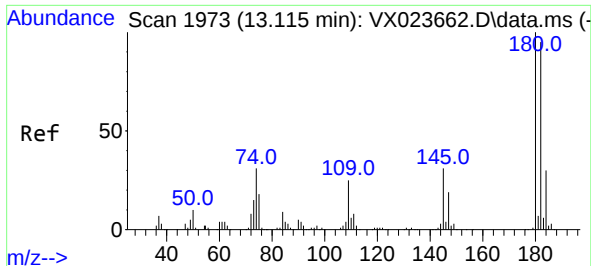
Tgt Ion: 75 Resp: 899
Ion Ratio Lower Upper
75 100
155 78.5 65.3 97.9
157 93.3 80.5 120.7



Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

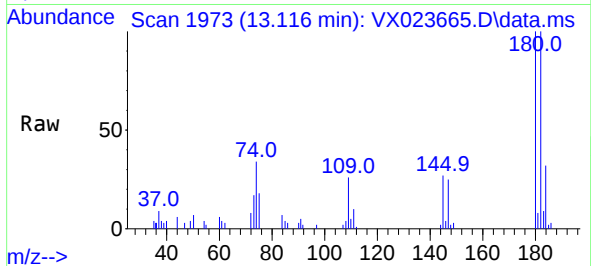
Manual Integrations
APPROVED

MMDadoda
8/13/2021 3:43:54 PM



#69
1,3,5-Trichlorobenzene
Concen: 1.891 ug/L
RT: 13.116 min Scan# 1973
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

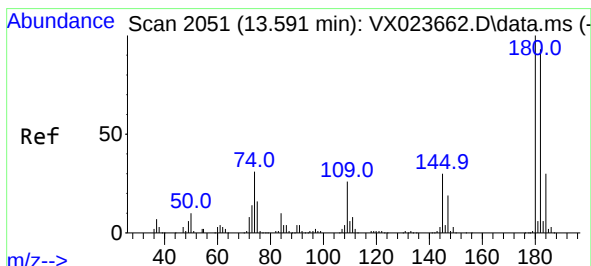
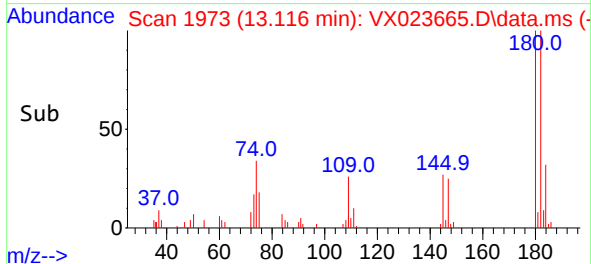
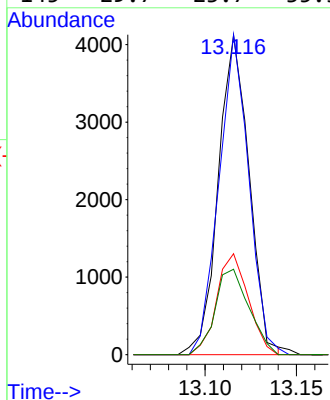
Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08



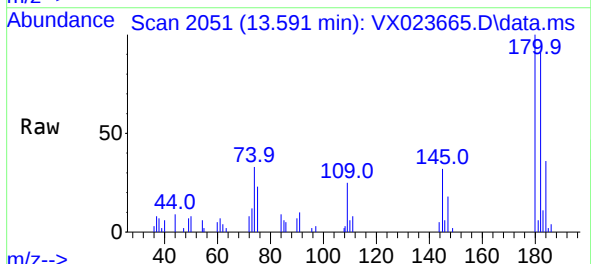
Tgt Ion:	180	Resp:	4829
Ion Ratio	Lower	Upper	
180	100		
182	97.1	74.8	112.2
184	32.5	24.1	36.1
145	29.7	23.7	35.5

Manual Integrations
APPROVED

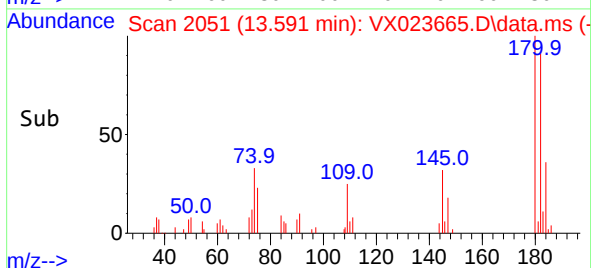
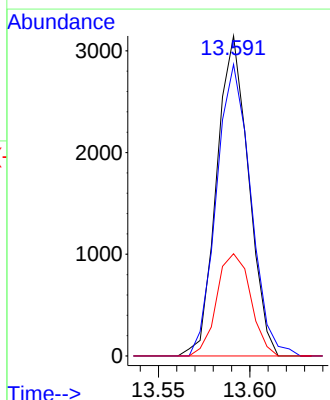
MMDadoda
8/13/2021 3:43:54 PM

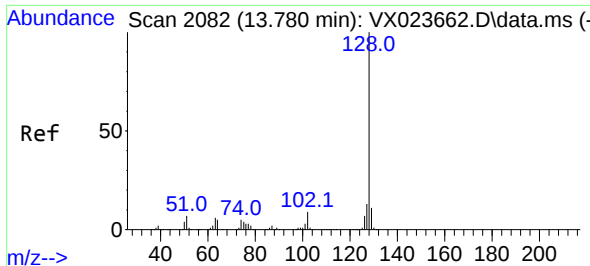


#70
1,2,4-trichlorobenzene
Concen: 1.736 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20



Tgt Ion:	180	Resp:	3817
Ion Ratio	Lower	Upper	
180	100		
182	97.9	74.3	111.5
145	34.0	24.1	36.1





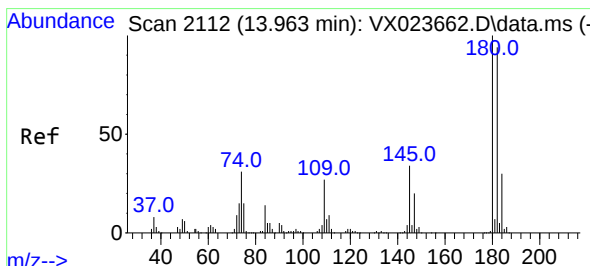
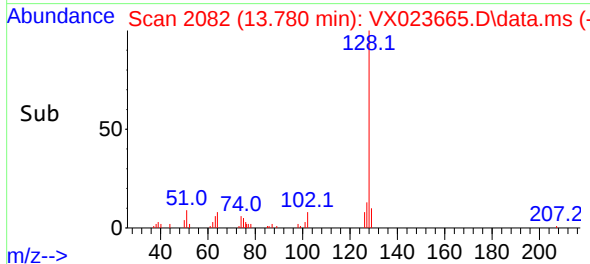
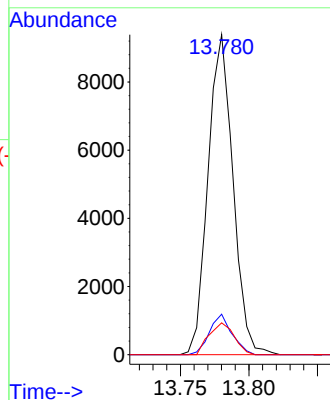
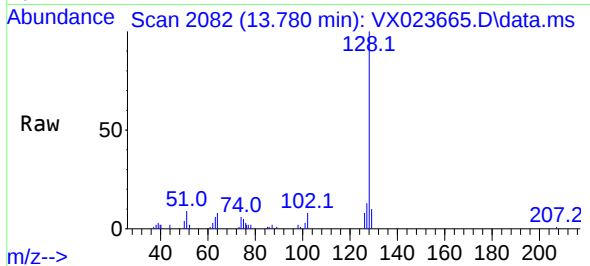
#71
Naphthalene
Concen: 1.559 ug/L
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion:	128	Resp:	11883
Ion Ratio	Lower	Upper	
128	100		
127	11.4	10.2	15.2
129	10.0	8.6	13.0

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-08

Manual Integrations
APPROVED

MMDadoda
8/13/2021 3:43:54 PM



#72
1,2,3-Trichlorobenzene
Concen: 1.567 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX023665.D
Acq: 12 Aug 2021 11:20

Tgt Ion:	180	Resp:	3550
Ion Ratio	Lower	Upper	
180	100		
182	100.3	74.6	112.0
145	36.6	25.6	38.4

