

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081121\
 Data File : VX023649.D
 Acq On : 11 Aug 2021 14:14
 Operator : JC/MD
 Sample : M3263-03 2.5PPB MDL
 Misc : 5.0g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-SOIL-QT4-2021-07

Manual Integrations
 APPROVED

MMDadoda
 8/13/2021 3:44:18 PM

Quant Time: Aug 12 01:27:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML081121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 11 12:02:06 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	349405	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	318682	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	134855	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	86804	47.663	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.320%
7) Chloroethane-d5	1.666	69	75139	50.223	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.440%
11) 1,1-Dichloroethene-d2	2.307	63	150826	38.126	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.260%
21) 2-Butanone-d5	4.465	46	188872	107.570	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.570%
24) Chloroform-d	5.068	84	196942	47.757	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.520%
26) 1,2-Dichloroethane-d4	5.964	65	140970	49.867	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.740%
32) Benzene-d6	5.983	84	414696	51.657	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.320%
36) 1,2-Dichloropropane-d6	7.318	67	128469	50.860	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.720%
41) Toluene-d8	8.653	98	384953	49.791	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.580%
43) trans-1,3-Dichloroprop...	8.952	79	58244	48.726	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.460%
47) 2-Hexanone-d5	9.391	63	134559	110.805	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.800%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	165739	49.256	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.520%
66) 1,2-Dichlorobenzene-d4	12.323	152	124257	52.508	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.020%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	4727	2.177	ug/L	99
3) Chloromethane	1.295	50	5017	2.429	ug/L	97
5) Vinyl chloride	1.374	62	5137	2.448	ug/L #	68
6) Bromomethane	1.605	94	3443	2.641	ug/L	99
8) Chloroethane	1.685	64	3137	2.359	ug/L	99
9) Trichlorofluoromethane	1.892	101	8356	2.375	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	6131	2.982	ug/L	87
12) 1,1-Dichloroethene	2.319	96	5384	3.028	ug/L #	1
13) Acetone	2.386	43	7554	4.887	ug/L	90
14) Carbon disulfide	2.508	76	7895	2.209	ug/L	97
15) Methyl Acetate	2.709	43	6912	2.683	ug/L #	84
16) Methylene chloride	2.794	84	6665	3.011	ug/L	92
17) trans-1,2-Dichloroethene	3.099	96	3951	2.099	ug/L	80
18) Methyl tert-butyl Ether	3.130	73	15774	2.261	ug/L	95
19) 1,1-Dichloroethane	3.617	63	8647	2.254	ug/L	97
20) cis-1,2-Dichloroethene	4.495	96	5385	2.368	ug/L	83
22) 2-Butanone	4.568	43	10124	4.806	ug/L	91
23) Bromochloromethane	4.910	128	2803	2.332	ug/L #	89
25) Chloroform	5.105	83	14831	3.579	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081121\
 Data File : VX023649.D
 Acq On : 11 Aug 2021 14:14
 Operator : JC/MD
 Sample : M3263-03 2.5PPB MDL
 Misc : 5.0g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-SOIL-QT4-2021-07

Manual Integrations
 APPROVED

MMDadoda
 8/13/2021 3:44:18 PM

Quant Time: Aug 12 01:27:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML081121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 11 12:02:06 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.099	62	8028	2.402	ug/L #	94
29) Cyclohexane	5.483	56	7211m	2.351	ug/L	
30) 1,1,1-Trichloroethane	5.385	97	7951m	2.310	ug/L	
31) Carbon tetrachloride	5.684	117	6376	2.206	ug/L	93
33) Benzene	6.044	78	19610	2.356	ug/L	100
34) Trichloroethene	7.135	95	5380	2.416	ug/L	91
35) Methylcyclohexane	7.391	83	7360	2.301	ug/L	97
37) 1,2-Dichloropropane	7.440	63	5599	2.452	ug/L #	91
38) Bromodichloromethane	7.824	83	5924	2.080	ug/L	94
39) cis-1,3-Dichloropropene	8.373	75	7578	2.267	ug/L	98
40) 4-Methyl-2-pentanone	8.580	43	17035	4.629	ug/L	92
42) Toluene	8.720	91	26785	2.902	ug/L	100
44) trans-1,3-Dichloropropene	8.982	75	7505	2.229	ug/L	96
45) 1,1,2-Trichloroethane	9.159	97	5581	2.405	ug/L	93
46) Tetrachloroethene	9.275	164	4084	2.417	ug/L	88
48) 2-Hexanone	9.433	43	14927	5.023	ug/L #	89
49) Dibromochloromethane	9.525	129	4437	1.895	ug/L	77
50) 1,2-Dibromoethane	9.616	107	5334	2.245	ug/L #	98
51) Chlorobenzene	10.080	112	13837	2.257	ug/L	97
52) Ethylbenzene	10.195	91	22622	2.239	ug/L	97
53) m,p-Xylene	10.305	106	9012	2.339	ug/L	99
54) o-Xylene	10.647	106	7983	2.080	ug/L	95
55) Styrene	10.659	104	12891	1.994	ug/L	96
57) 1,1,2,2-Tetrachloroethane	11.214	83	9082	2.575	ug/L #	97
59) Bromoform	10.805	173	2900	2.005	ug/L #	97
60) Isopropylbenzene	10.964	105	20806	2.273	ug/L	100
61) 1,2,3-Trichloropropane	11.244	75	7328	2.701	ug/L	97
62) 1,3,5-Trimethylbenzene	11.457	105	16828	2.272	ug/L	100
63) 1,2,4-Trimethylbenzene	11.756	105	17438	2.316	ug/L	99
64) 1,3-Dichlorobenzene	11.976	146	9148	2.288	ug/L	92
65) 1,4-Dichlorobenzene	12.043	146	9806	2.464	ug/L	94
67) 1,2-Dichlorobenzene	12.335	146	9402	2.396	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.945	75	1250	1.979	ug/L	86
69) 1,3,5-Trichlorobenzene	13.116	180	6341	2.297	ug/L	97
70) 1,2,4-trichlorobenzene	13.591	180	5383	2.265	ug/L	98
71) Naphthalene	13.780	128	16041	1.947	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	5138	2.098	ug/L	94

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

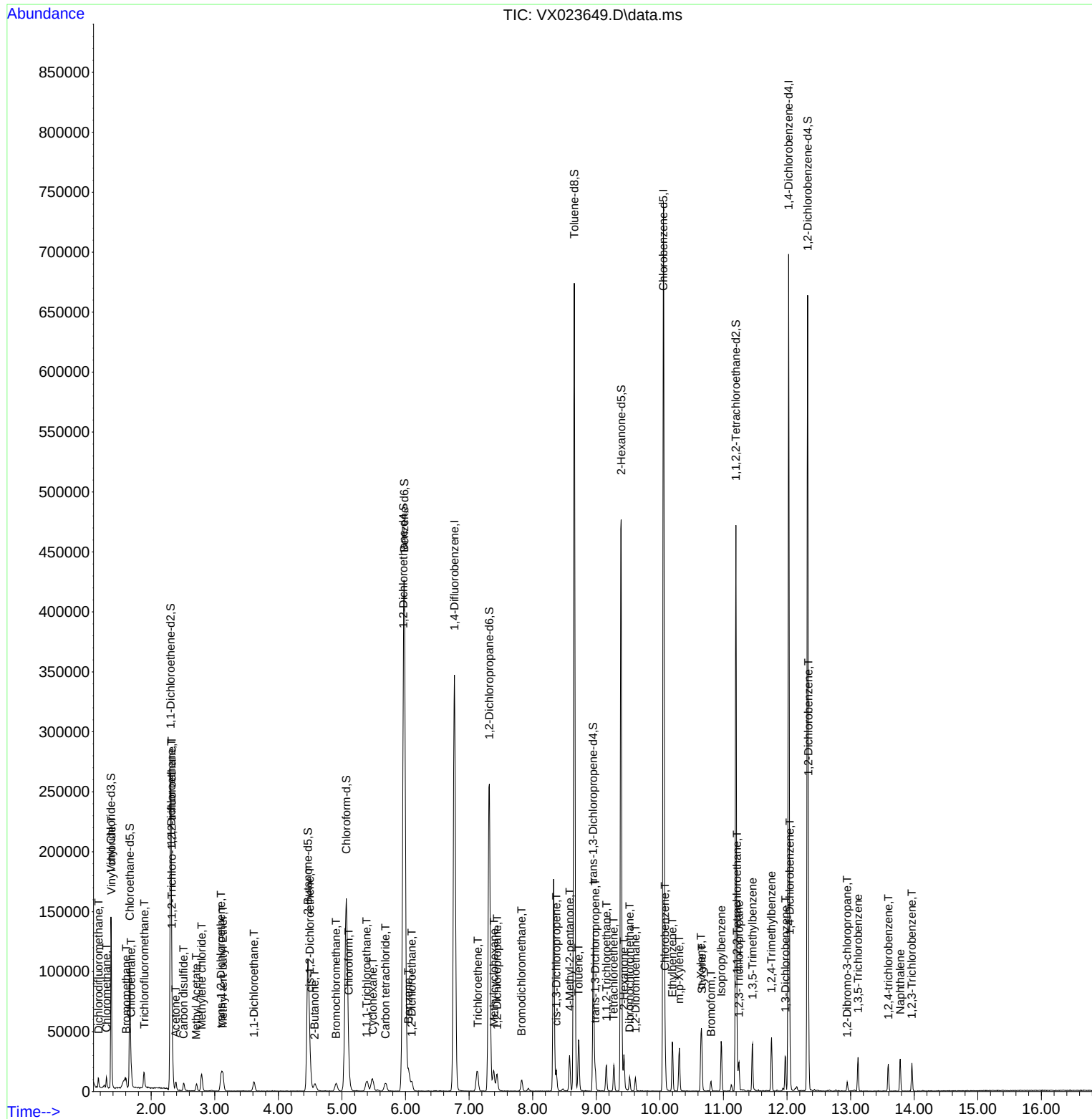
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081121\
Data File : VX023649.D
Acq On : 11 Aug 2021 14:14
Operator : JC/MD
Sample : M3263-03 2.5PPB MDL
Misc : 5.0g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 11 Sample Multiplier: 1

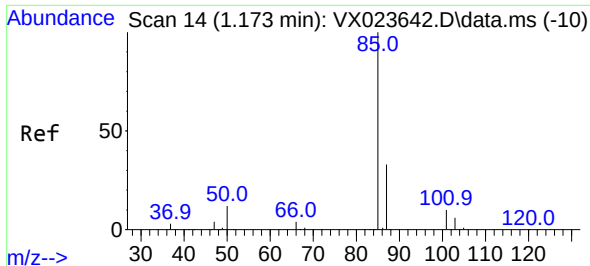
Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

Manual Integrations
APPROVED

MMDadoda
8/13/2021 3:44:18 PM

Quant Time: Aug 12 01:27:41 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML081121WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Aug 11 12:02:06 2021
Response via : Initial Calibration





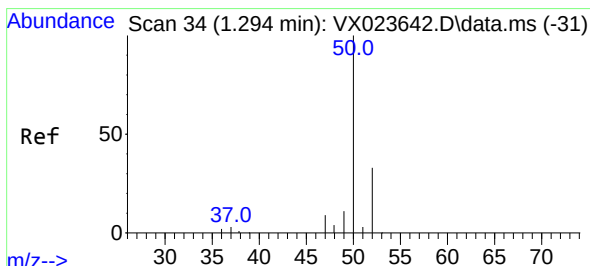
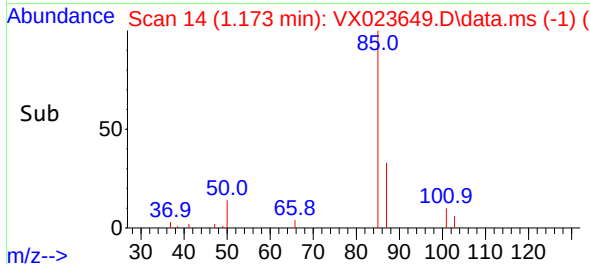
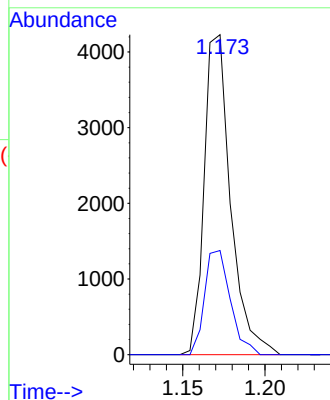
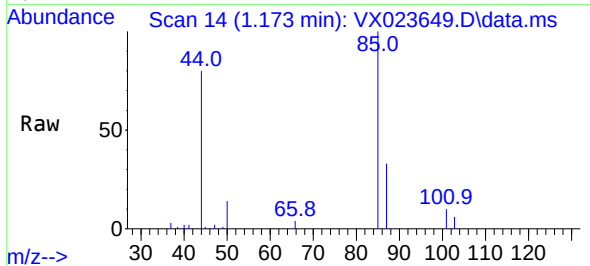
#2
Dichlorodifluoromethane
Concen: 2.177 ug/L
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion: 85 Resp: 4727
Ion Ratio Lower Upper
85 100
87 31.9 25.9 38.9

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

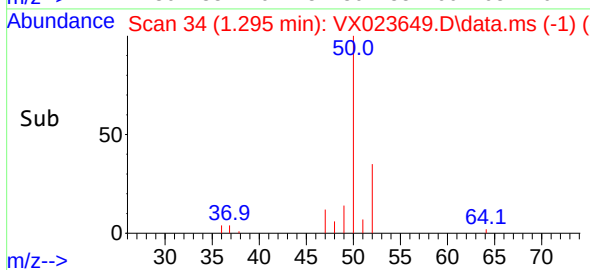
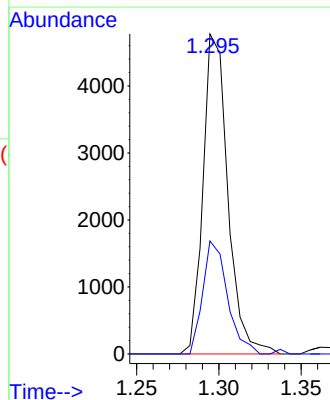
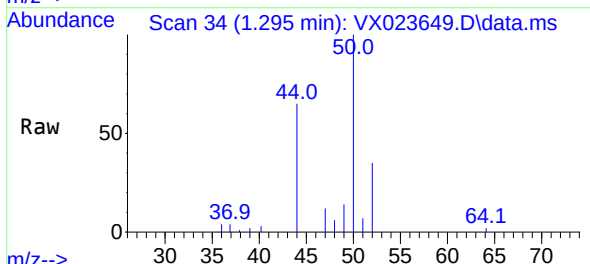
Manual Integrations
APPROVED

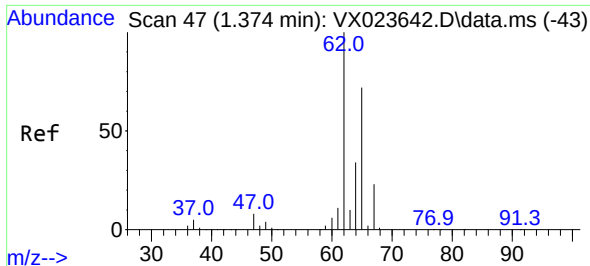
MMDadoda
8/13/2021 3:44:18 PM



#3
Chloromethane
Concen: 2.429 ug/L
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion: 50 Resp: 5017
Ion Ratio Lower Upper
50 100
52 35.3 23.7 43.9





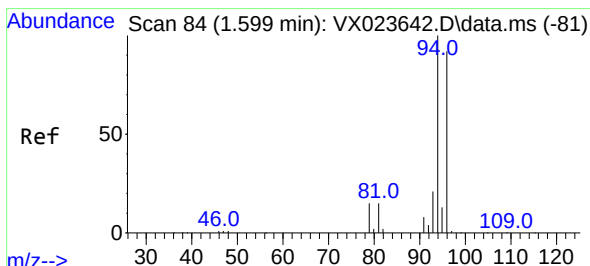
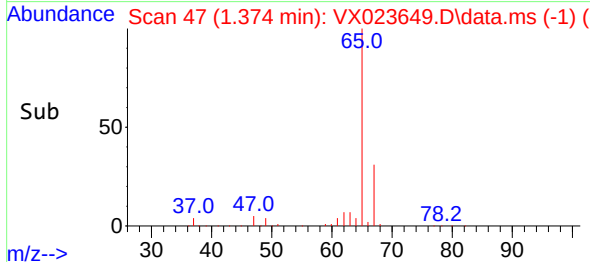
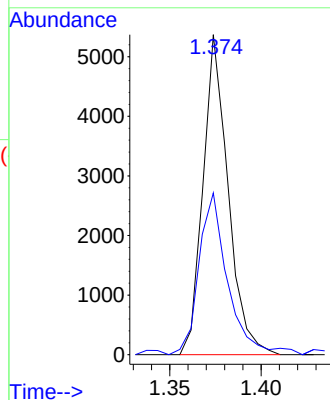
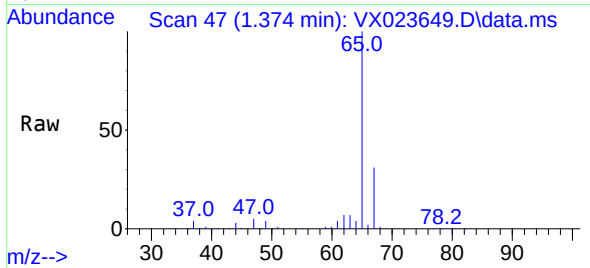
#5
 Vinyl chloride
 Concen: 2.448 ug/L
 RT: 1.374 min Scan# 47
 Delta R.T. 0.000 min
 Lab File: VX023649.D
 Acq: 11 Aug 2021 14:14

Tgt Ion: 62 Resp: 5137
 Ion Ratio Lower Upper
 62 100
 64 50.5 22.7 42.3#

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-SOIL-QT4-2021-07

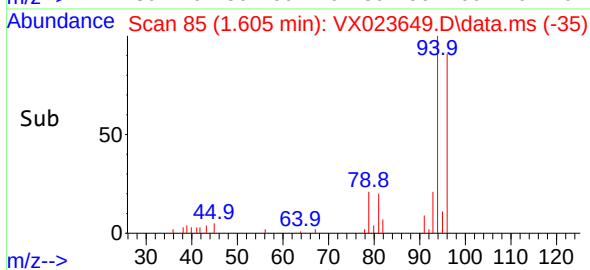
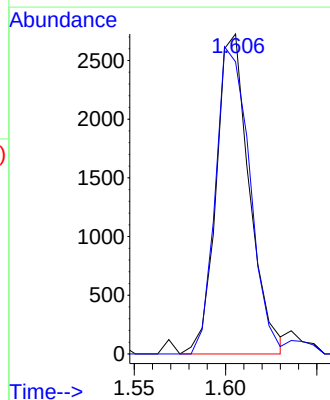
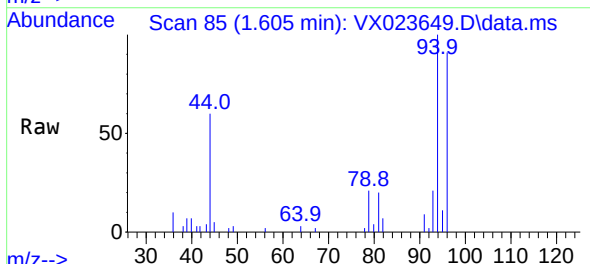
Manual Integrations
 APPROVED

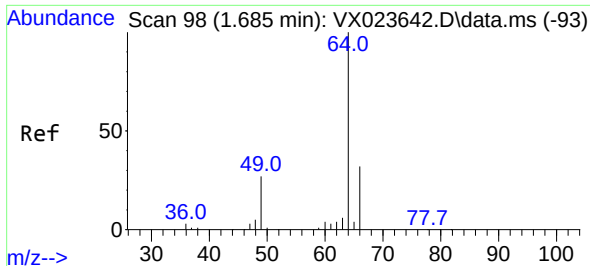
MMDadoda
 8/13/2021 3:44:18 PM



#6
 Bromomethane
 Concen: 2.641 ug/L
 RT: 1.605 min Scan# 85
 Delta R.T. 0.006 min
 Lab File: VX023649.D
 Acq: 11 Aug 2021 14:14

Tgt Ion: 94 Resp: 3443
 Ion Ratio Lower Upper
 94 100
 96 91.3 64.8 120.3





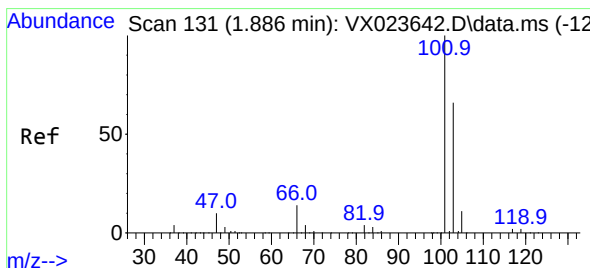
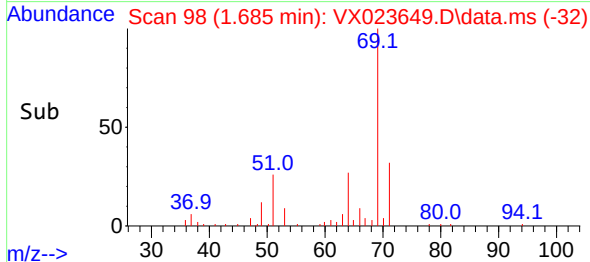
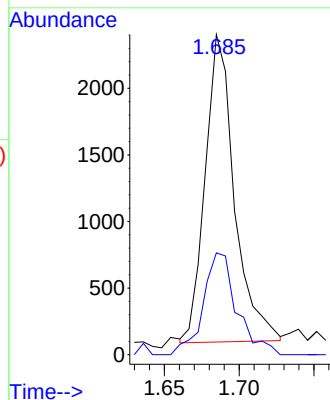
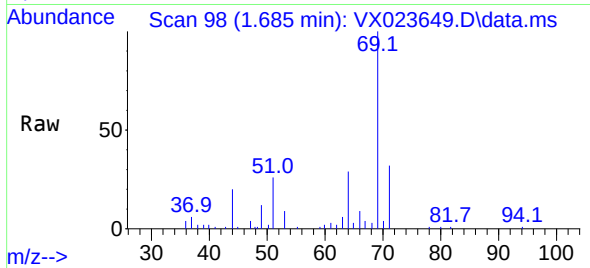
#8
Chloroethane
Concen: 2.359 ug/L
RT: 1.685 min Scan# 98
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion: 64 Resp: 3137
Ion Ratio Lower Upper
64 100
66 31.8 22.0 41.0

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

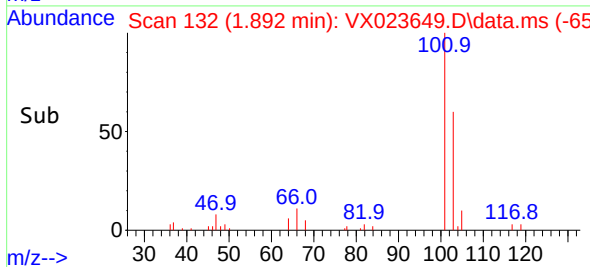
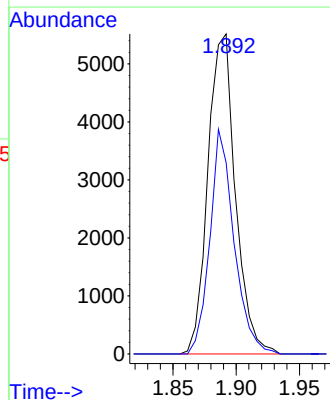
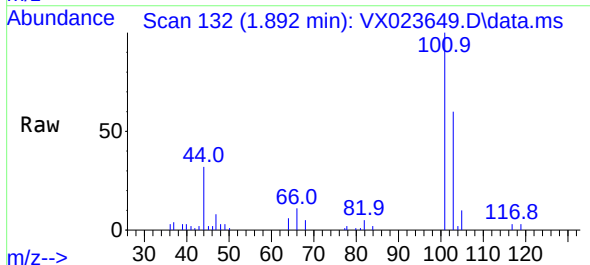
Manual Integrations
APPROVED

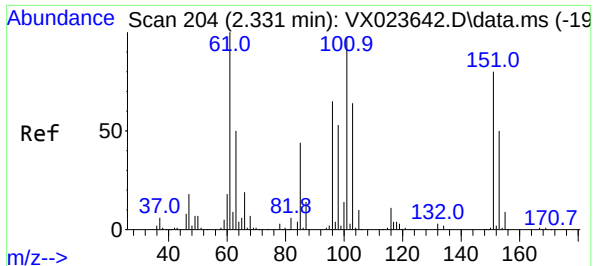
MMDadoda
8/13/2021 3:44:18 PM



#9
Trichlorofluoromethane
Concen: 2.375 ug/L
RT: 1.892 min Scan# 132
Delta R.T. 0.006 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion: 101 Resp: 8356
Ion Ratio Lower Upper
101 100
103 61.7 52.2 78.2





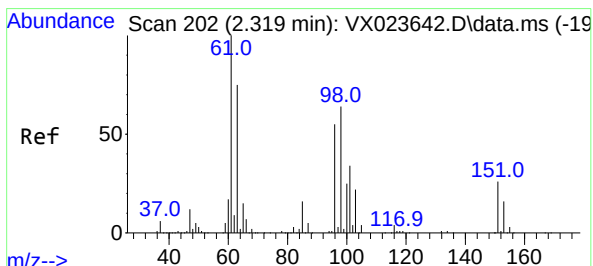
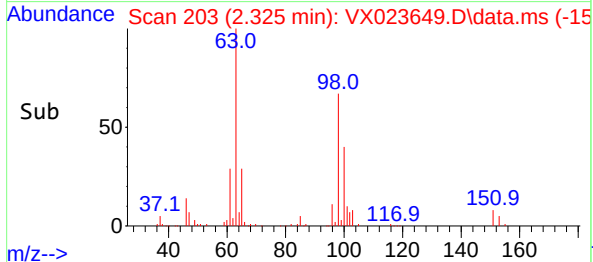
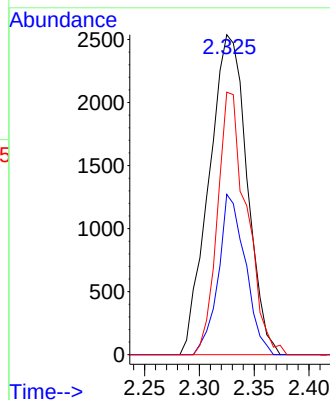
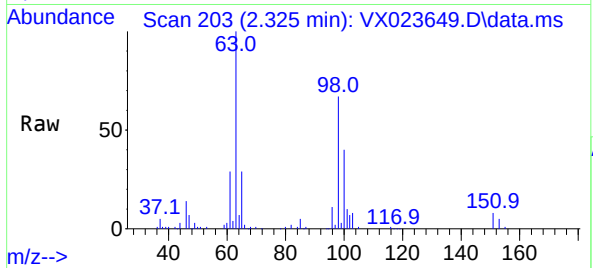
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.982 ug/L
RT: 2.325 min Scan# 203
Delta R.T. -0.006 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion:101 Resp: 6131
Ion Ratio Lower Upper
101 100
85 35.7 34.3 51.5
151 63.3 60.7 91.1

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

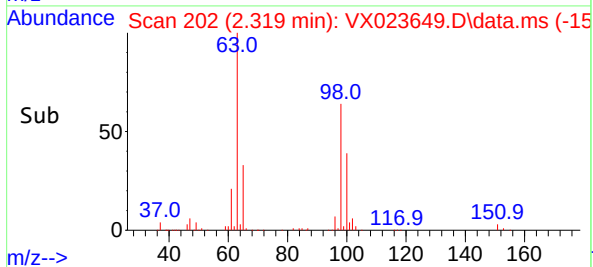
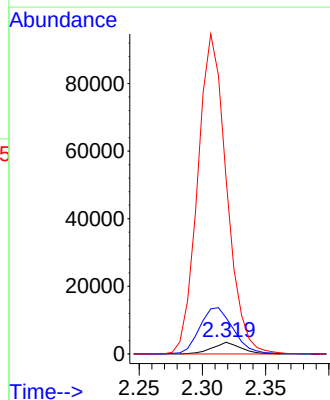
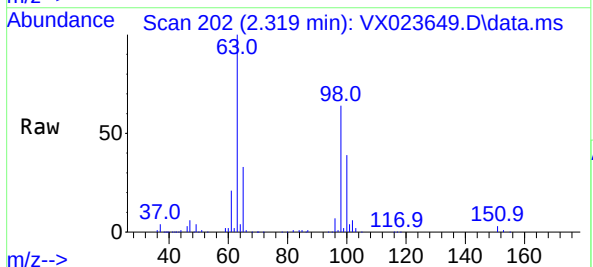
Manual Integrations
APPROVED

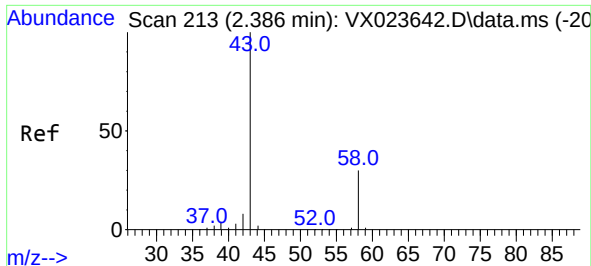
MMDadoda
8/13/2021 3:44:18 PM



#12
1,1-Dichloroethene
Concen: 3.028 ug/L
RT: 2.319 min Scan# 202
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

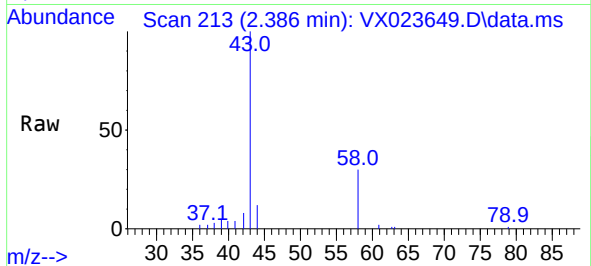
Tgt Ion: 96 Resp: 5384
Ion Ratio Lower Upper
96 100
61 307.8 115.5 214.5#
63 1488.0 77.3 143.7#





#13
Acetone
Concen: 4.887 ug/L
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

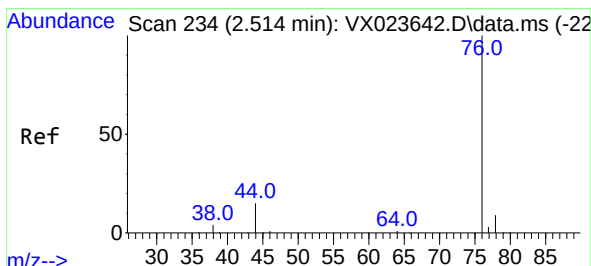
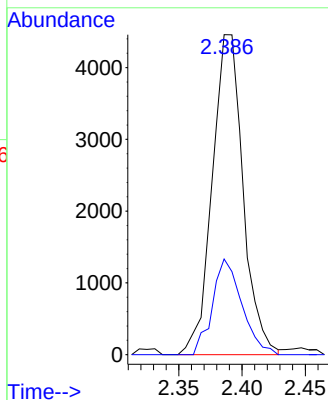
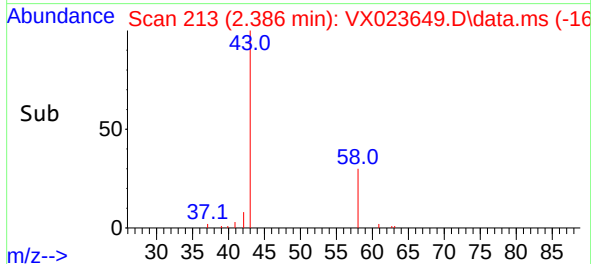
Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07



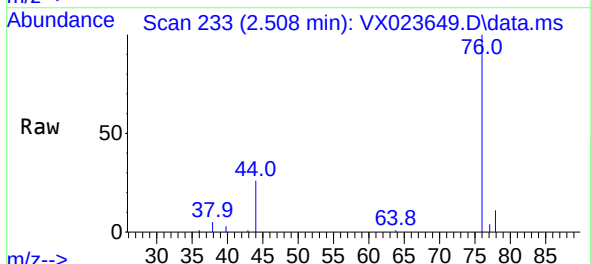
Tgt Ion: 43 Resp: 7554
Ion Ratio Lower Upper
43 100
58 28.6 0.0 68.2

Manual Integrations
APPROVED

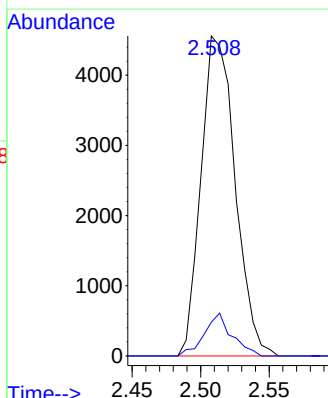
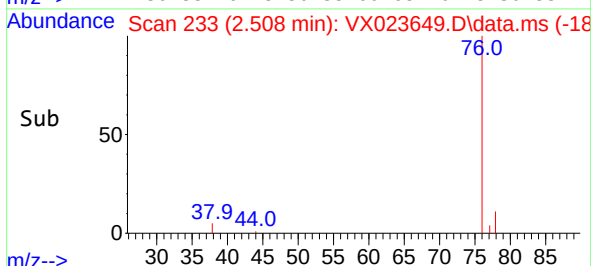
MMDadoda
8/13/2021 3:44:18 PM

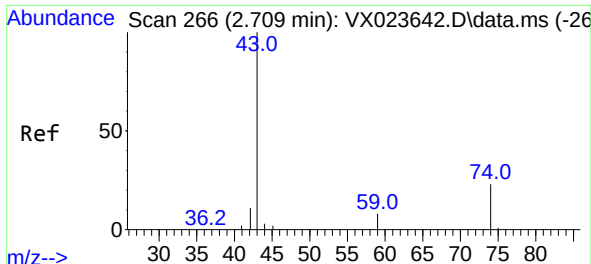


#14
Carbon disulfide
Concen: 2.209 ug/L
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14



Tgt Ion: 76 Resp: 7895
Ion Ratio Lower Upper
76 100
78 10.6 7.6 11.4





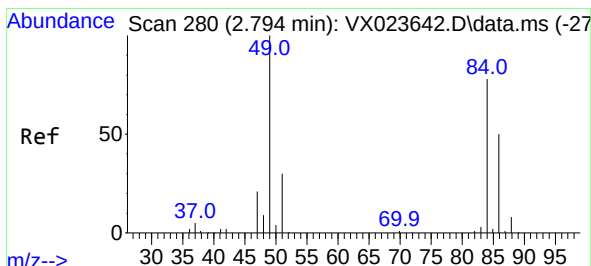
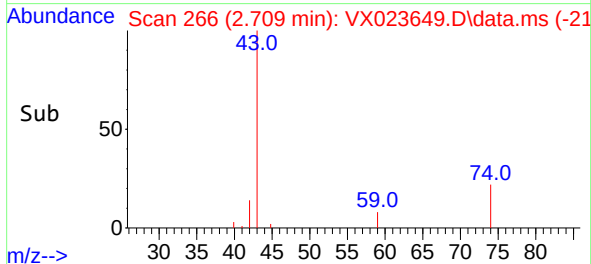
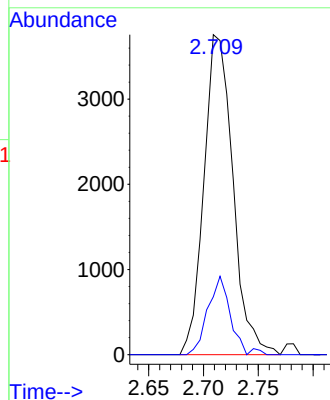
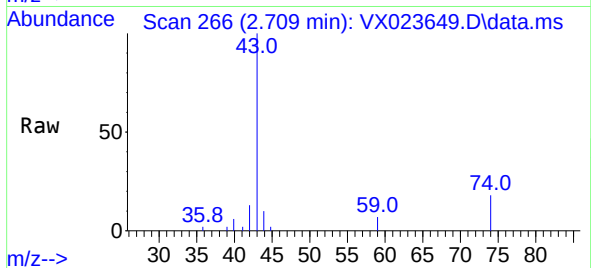
#15
Methyl Acetate
Concen: 2.683 ug/L
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion: 43 Resp: 6912
Ion Ratio Lower Upper
43 100
74 18.5 21.7 32.5#

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

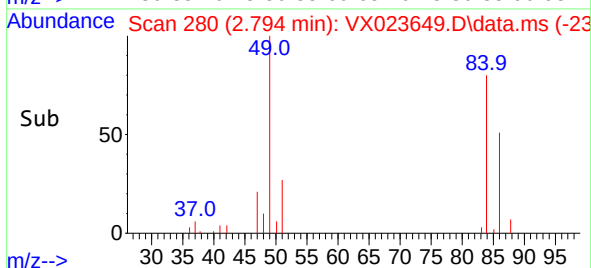
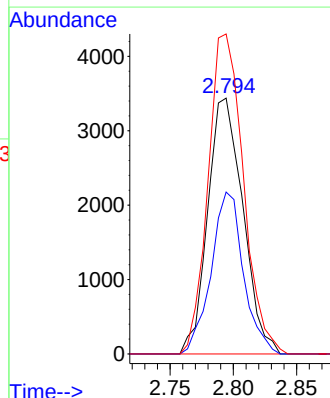
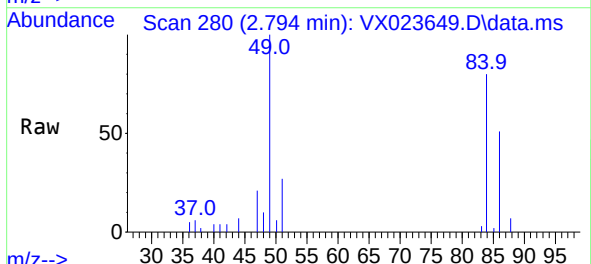
Manual Integrations
APPROVED

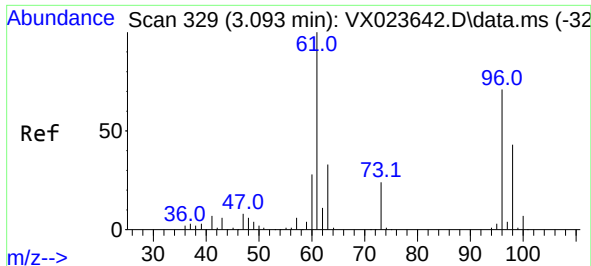
MMDadoda
8/13/2021 3:44:18 PM



#16
Methylene chloride
Concen: 3.011 ug/L
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion: 84 Resp: 6665
Ion Ratio Lower Upper
84 100
86 63.3 44.2 82.0
49 125.1 77.8 144.6

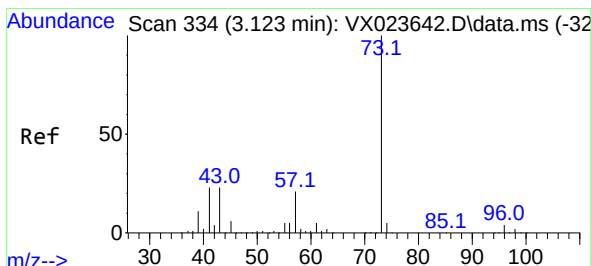
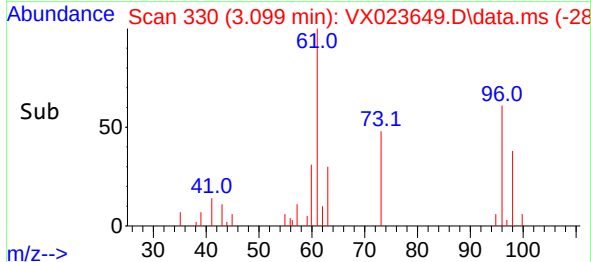
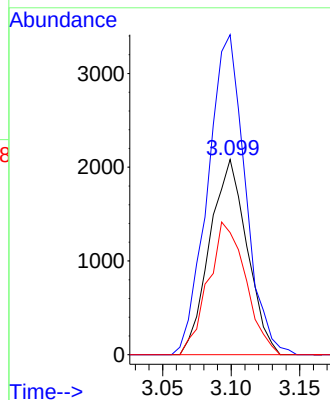
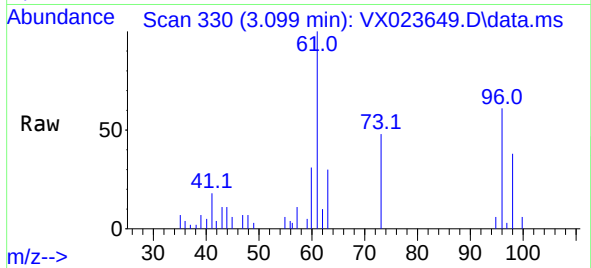




#17
trans-1,2-Dichloroethene
Concen: 2.099 ug/L
RT: 3.099 min Scan# 330
Delta R.T. 0.006 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion: 96 Resp: 3951

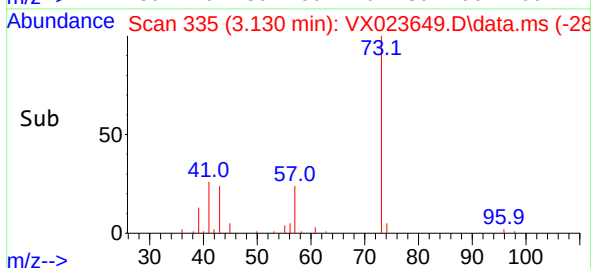
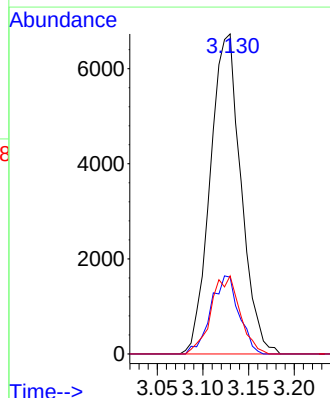
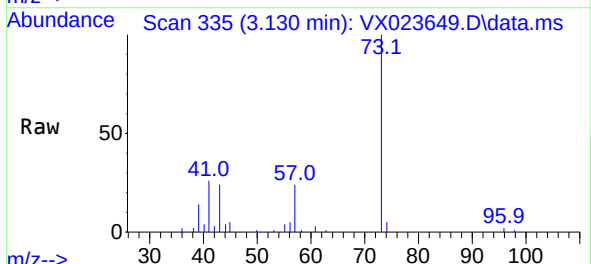
Ion	Ratio	Lower	Upper
96	100		
61	164.0	92.3	171.3
98	62.6	46.3	85.9



#18
Methyl tert-butyl Ether
Concen: 2.261 ug/L
RT: 3.130 min Scan# 335
Delta R.T. 0.006 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion: 73 Resp: 15774

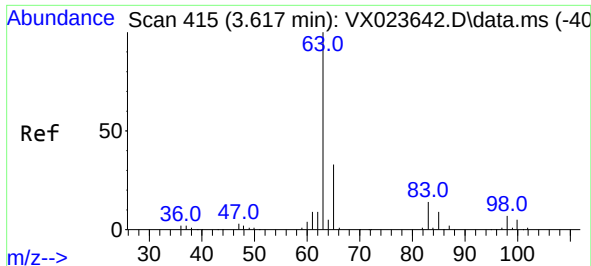
Ion	Ratio	Lower	Upper
73	100		
43	22.3	15.1	22.7
57	22.9	17.4	26.2



Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

Manual Integrations
APPROVED

MMDadoda
8/13/2021 3:44:18 PM



#19

1,1-Dichloroethane

Concen: 2.254 ug/L

RT: 3.617 min Scan# 415

Delta R.T. 0.000 min

Lab File: VX023649.D

Acq: 11 Aug 2021 14:14

Tgt Ion:	63	Resp:	8647
Ion	Ratio	Lower	Upper
63	100		
65	30.4	22.4	41.6
83	15.3	9.5	17.7

Instrument :

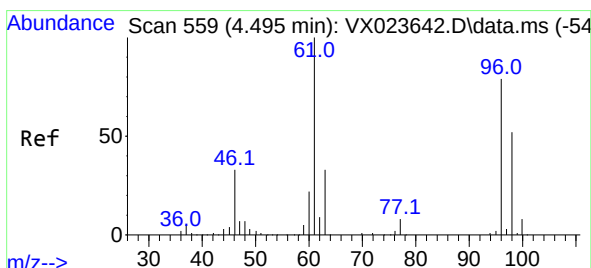
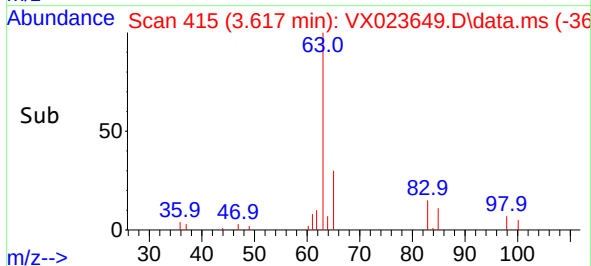
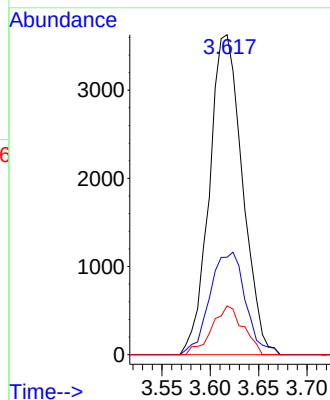
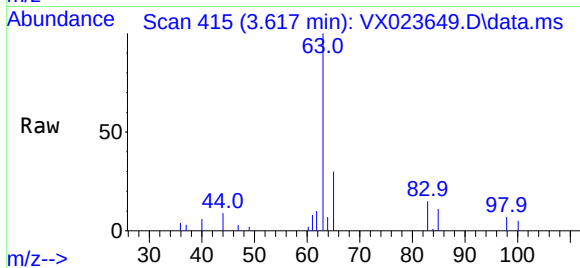
MSVOA_X

ClientSampleId :

MDL-SOIL-QT4-2021-07

Manual Integrations
APPROVED

MMDadoda
8/13/2021 3:44:18 PM



#20

cis-1,2-Dichloroethene

Concen: 2.368 ug/L

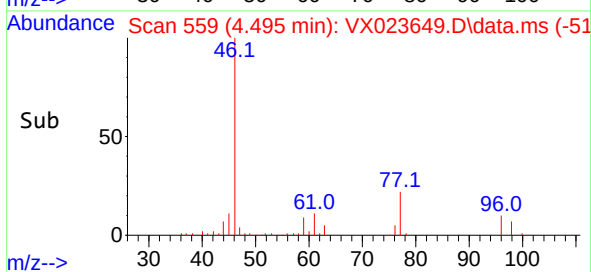
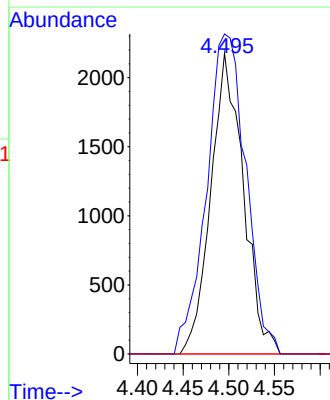
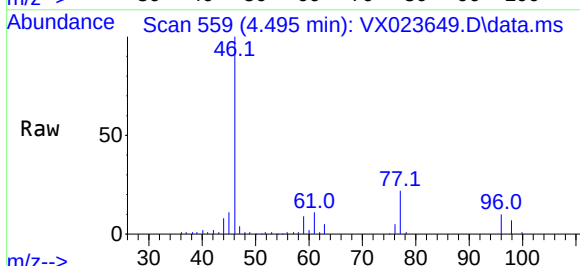
RT: 4.495 min Scan# 559

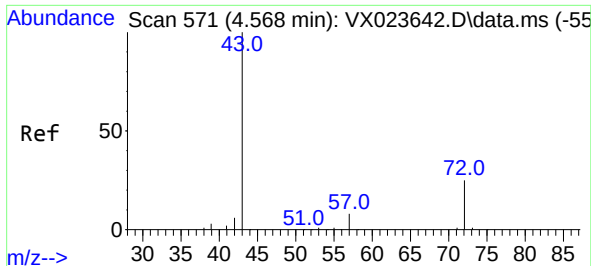
Delta R.T. 0.000 min

Lab File: VX023649.D

Acq: 11 Aug 2021 14:14

Tgt Ion:	96	Resp:	5385
Ion	Ratio	Lower	Upper
96	100		
61	106.3	87.8	163.0
68	0.0	0.0	0.0





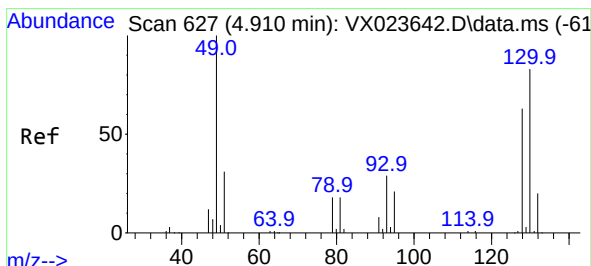
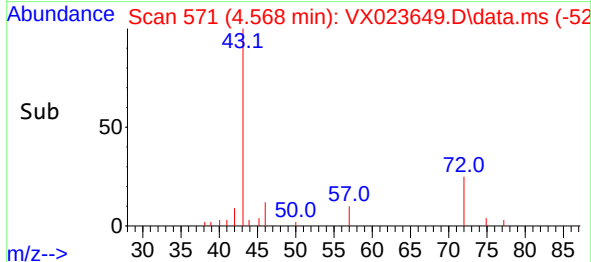
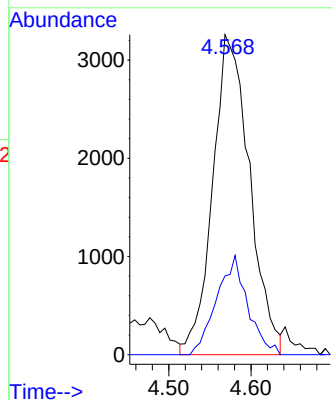
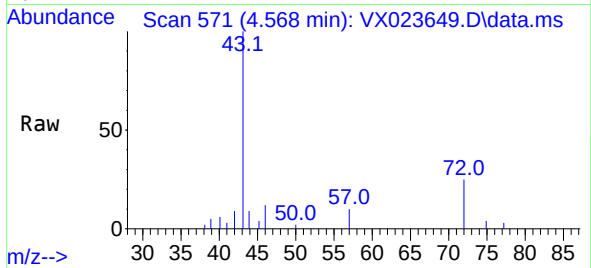
#22
2-Butanone
Concen: 4.806 ug/L
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion: 43 Resp: 10124
Ion Ratio Lower Upper
43 100
72 25.8 15.3 45.8

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

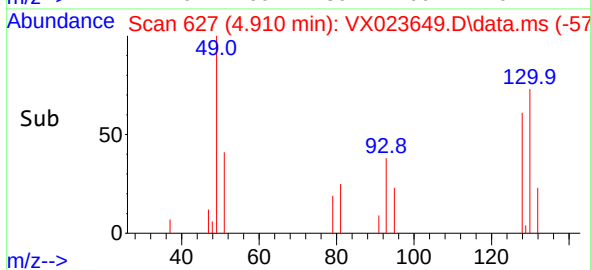
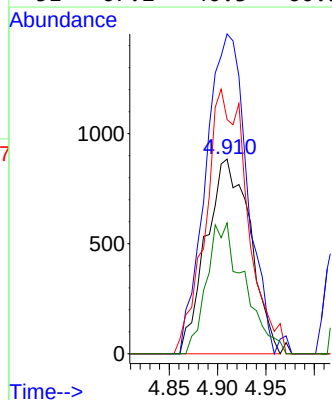
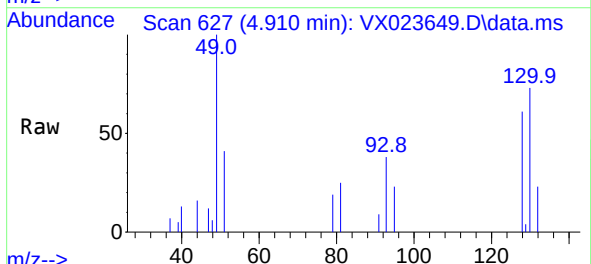
Manual Integrations
APPROVED

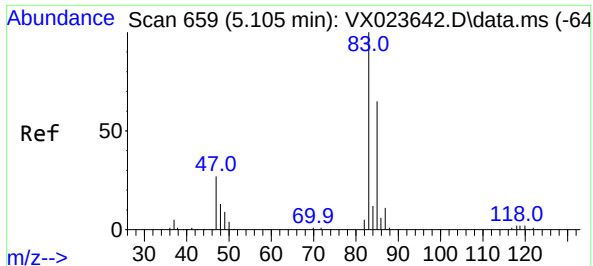
MMDadoda
8/13/2021 3:44:18 PM



#23
Bromochloromethane
Concen: 2.332 ug/L
RT: 4.910 min Scan# 627
Delta R.T. -0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion: 128 Resp: 2803
Ion Ratio Lower Upper
128 100
49 164.2 107.5 199.7
130 120.2 91.1 169.3
51 67.2 40.3 60.5#





#25

Chloroform

Concen: 3.579 ug/L

RT: 5.105 min Scan# 659

Delta R.T. 0.000 min

Lab File: VX023649.D

Acq: 11 Aug 2021 14:14

Tgt Ion: 83 Resp: 14831

Ion Ratio Lower Upper

83 100

85 66.4 46.3 85.9

Instrument :

MSVOA_X

ClientSampleId :

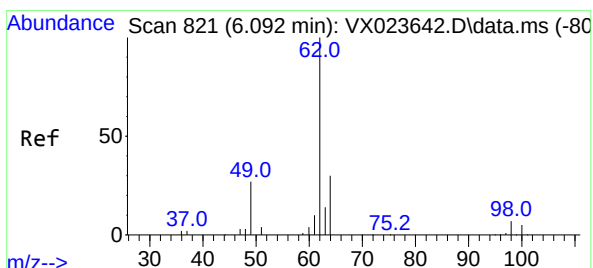
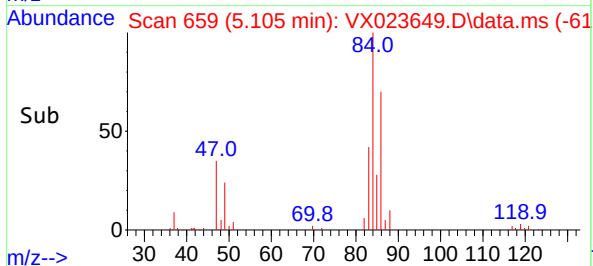
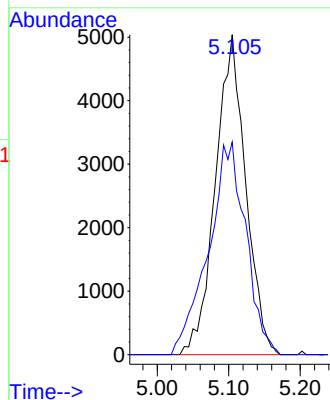
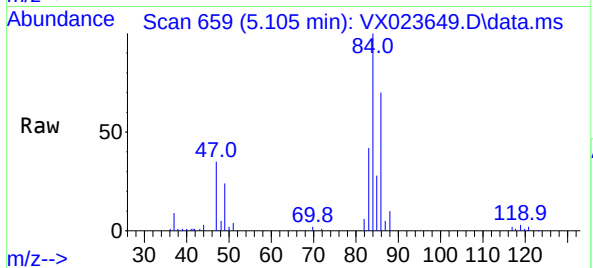
MDL-SOIL-QT4-2021-07

Manual Integrations

APPROVED

MMDadoda

8/13/2021 3:44:18 PM



#27

1,2-Dichloroethane

Concen: 2.402 ug/L

RT: 6.099 min Scan# 822

Delta R.T. 0.006 min

Lab File: VX023649.D

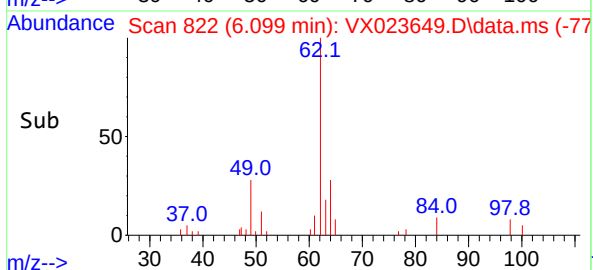
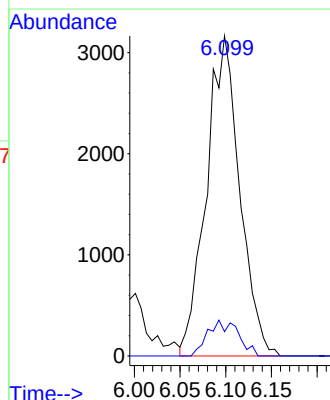
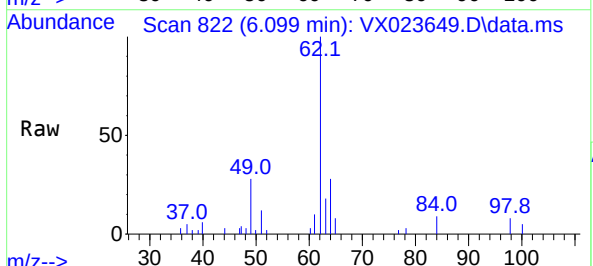
Acq: 11 Aug 2021 14:14

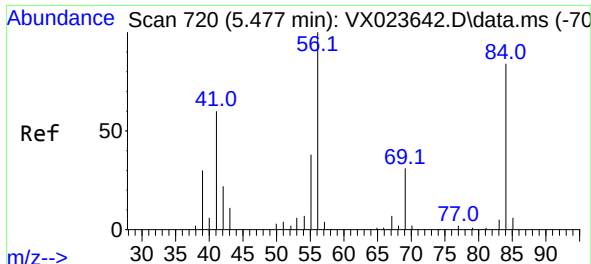
Tgt Ion: 62 Resp: 8028

Ion Ratio Lower Upper

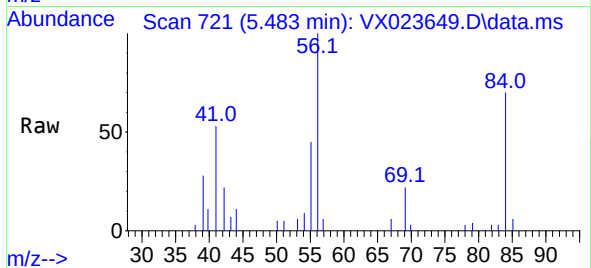
62 100

98 7.6 7.9 11.9#

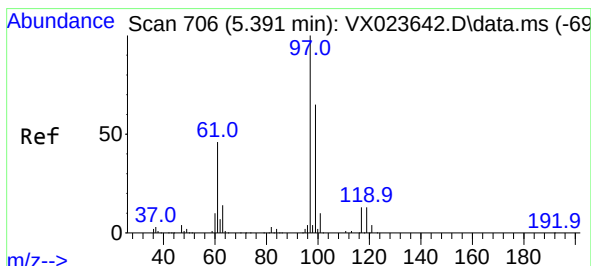
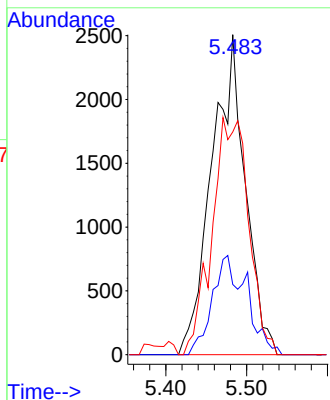
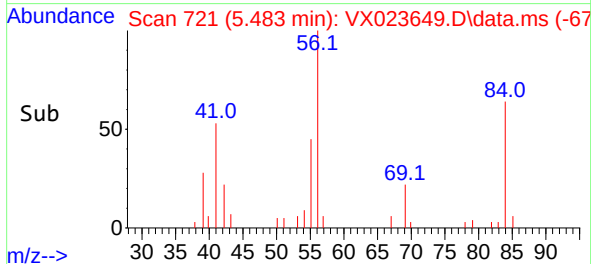




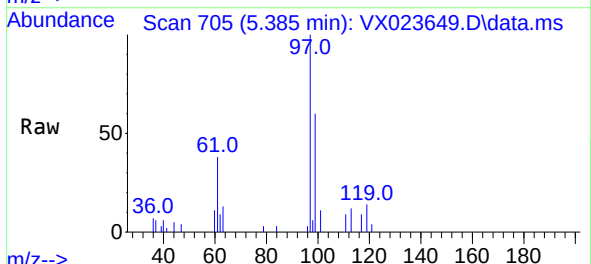
#29
Cyclohexane
Concen: 2.351 ug/L m
RT: 5.483 min Scan# 721
Delta R.T. 0.006 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14



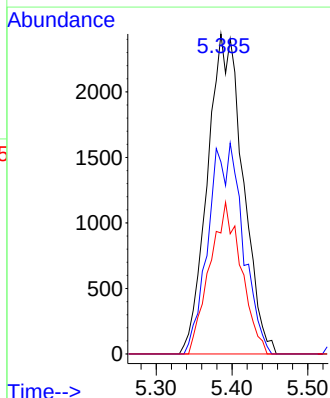
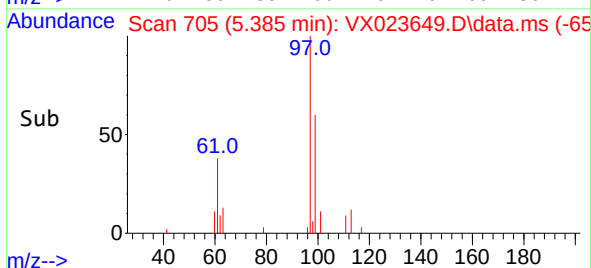
Tgt Ion: 56 Resp: 7211
Ion Ratio Lower Upper
56 100
69 21.6 25.7 38.5#
84 19.6 72.4 108.6#



#30
1,1,1-Trichloroethane
Concen: 2.310 ug/L m
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14



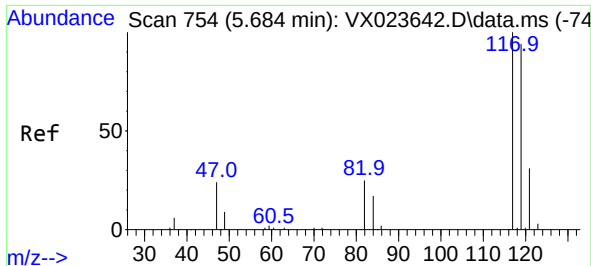
Tgt Ion: 97 Resp: 7951
Ion Ratio Lower Upper
97 100
99 34.3 52.1 78.1#
61 42.2 35.3 52.9



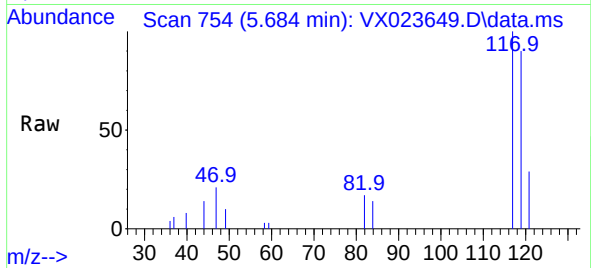
Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

Manual Integrations
APPROVED

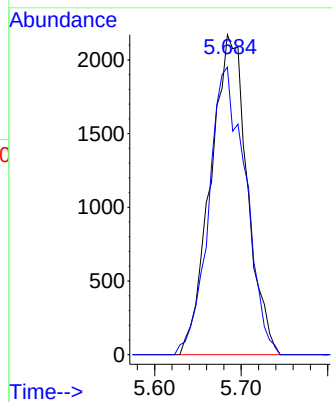
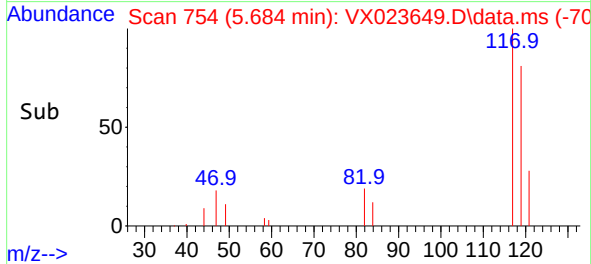
MMDadoda
8/13/2021 3:44:18 PM



#31
Carbon tetrachloride
Concen: 2.206 ug/L
RT: 5.684 min Scan# 754
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14



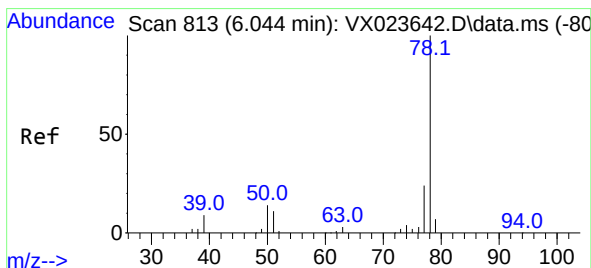
Tgt Ion: 117 Resp: 6376
Ion Ratio Lower Upper
117 100
119 90.2 77.5 116.3



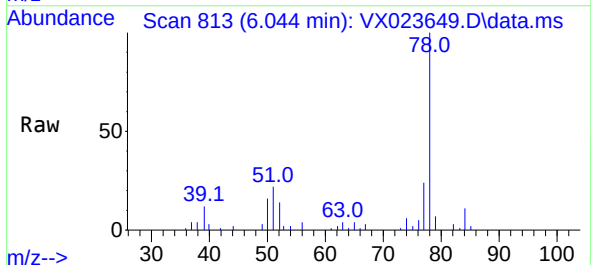
Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

Manual Integrations
APPROVED

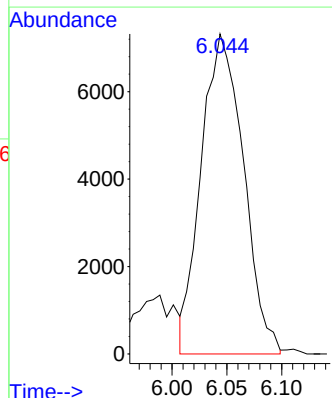
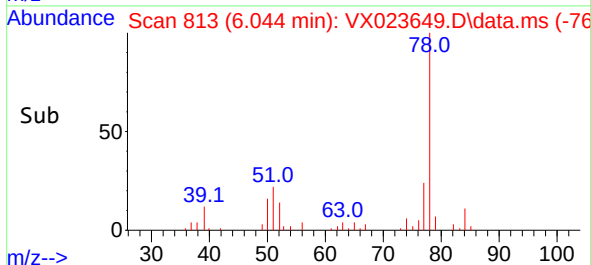
MMDadoda
8/13/2021 3:44:18 PM

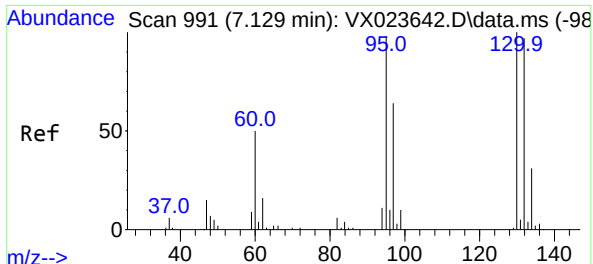


#33
Benzene
Concen: 2.356 ug/L
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14



Tgt Ion: 78 Resp: 19610





#34
Trichloroethene
Concen: 2.416 ug/L
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

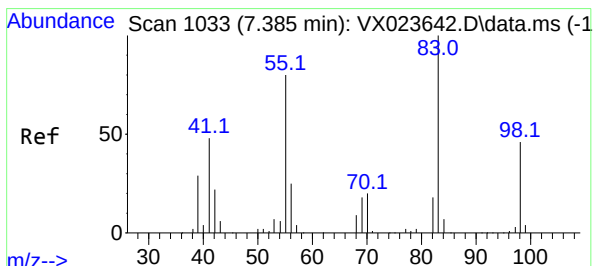
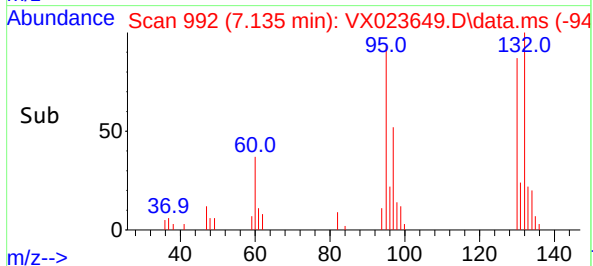
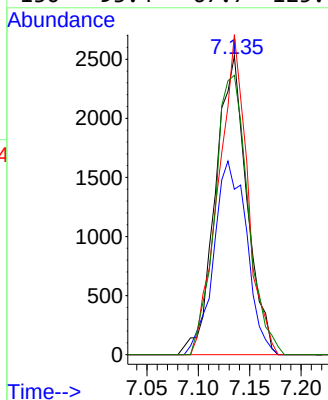
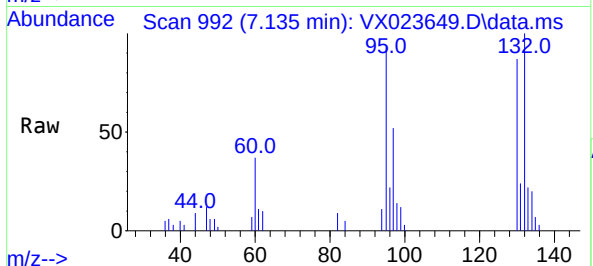
Tgt Ion: 95 Resp: 5380

Ion	Ratio	Lower	Upper
95	100		
97	55.3	44.5	82.7
132	107.0	65.2	121.0
130	93.4	67.7	125.7

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

Manual Integrations
APPROVED

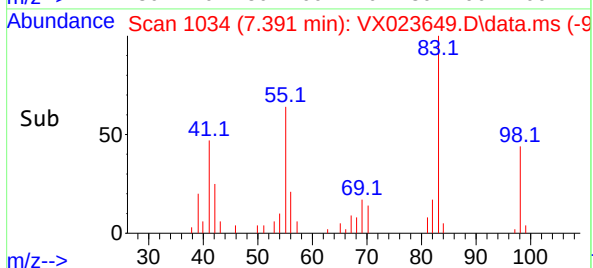
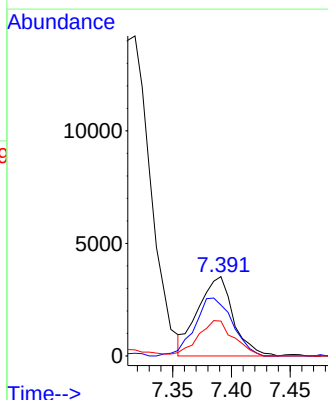
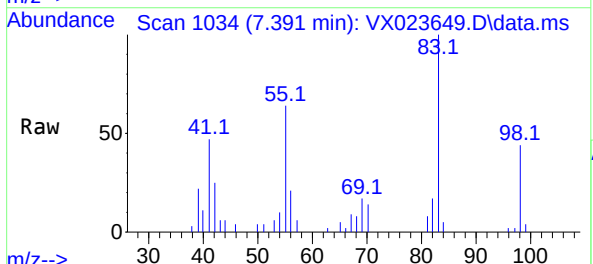
MMDadoda
8/13/2021 3:44:18 PM

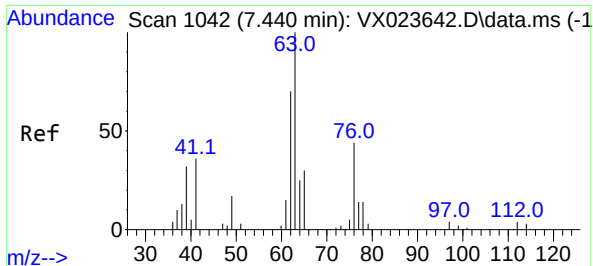


#35
Methylcyclohexane
Concen: 2.301 ug/L
RT: 7.391 min Scan# 1034
Delta R.T. 0.006 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion: 83 Resp: 7360

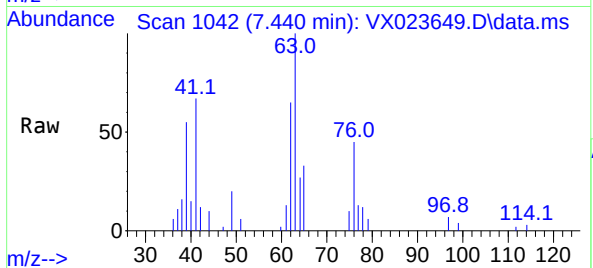
Ion	Ratio	Lower	Upper
83	100		
55	78.0	61.2	91.8
98	44.8	38.7	58.1





#37
1,2-Dichloropropane
Concen: 2.452 ug/L
RT: 7.440 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

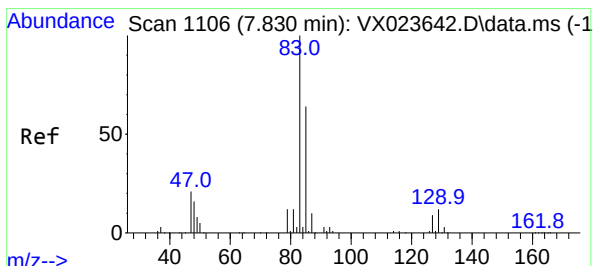
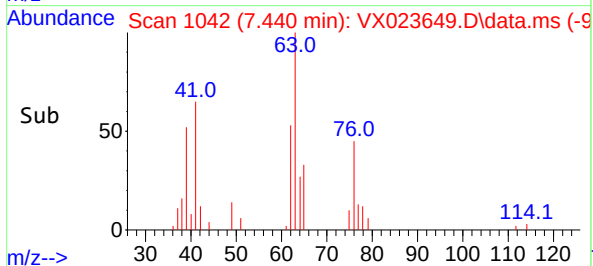
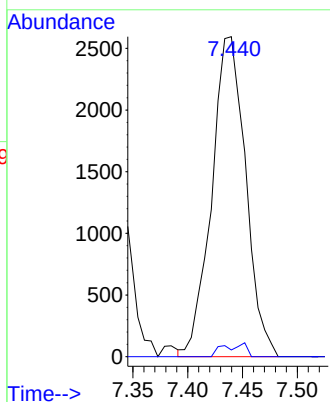
Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07



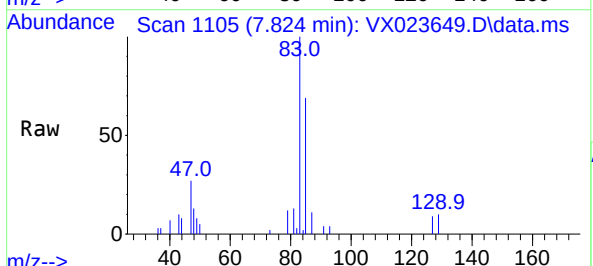
Tgt Ion: 63 Resp: 5599
Ion Ratio Lower Upper
63 100
112 1.5 3.6 5.4#

Manual Integrations
APPROVED

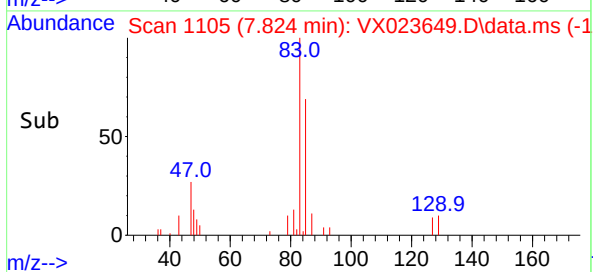
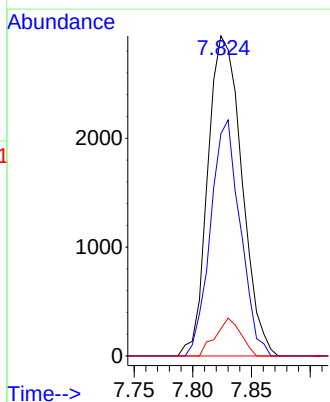
MMDadoda
8/13/2021 3:44:18 PM

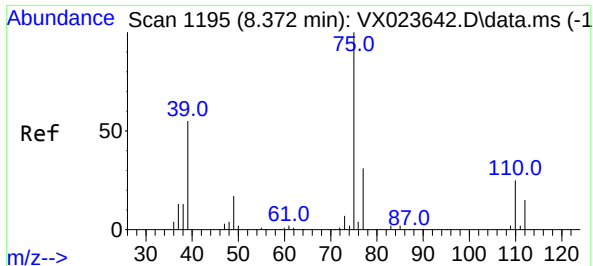


#38
Bromodichloromethane
Concen: 2.080 ug/L
RT: 7.824 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14



Tgt Ion: 83 Resp: 5924
Ion Ratio Lower Upper
83 100
85 69.5 45.1 83.7
127 8.5 6.6 10.0





#39

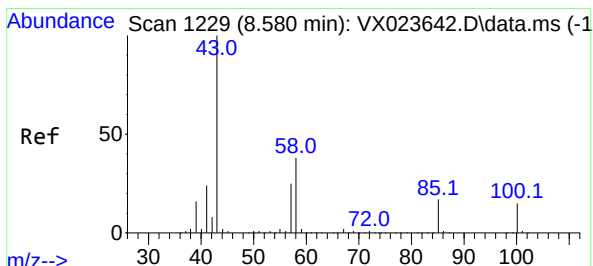
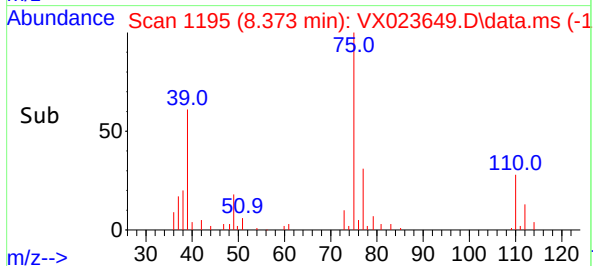
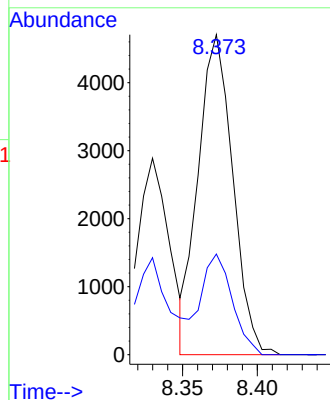
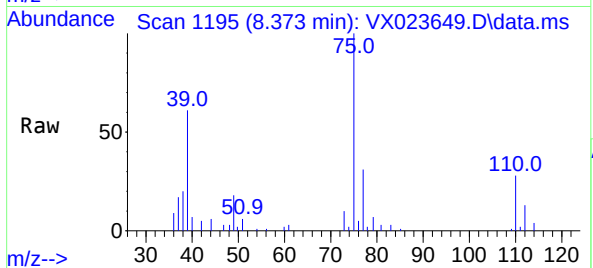
cis-1,3-Dichloropropene
Concen: 2.267 ug/L
RT: 8.373 min Scan# 1195
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion: 75 Resp: 7578
Ion Ratio Lower Upper
75 100
77 31.5 22.7 42.3

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

Manual Integrations
APPROVED

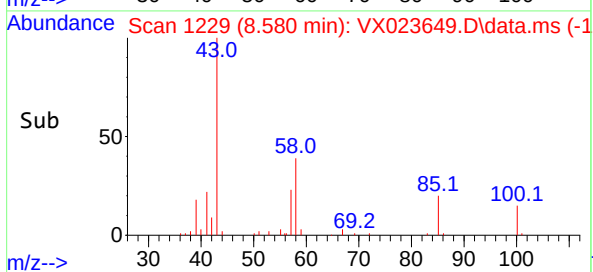
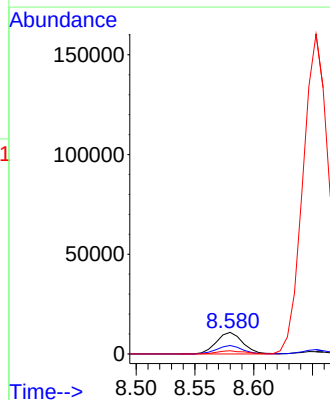
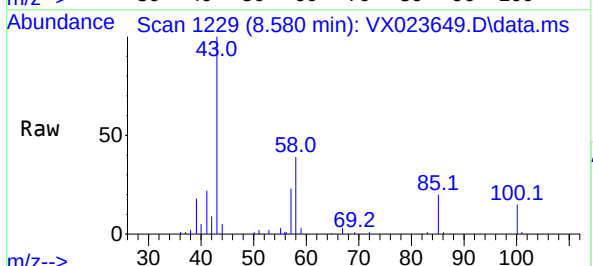
MMDadoda
8/13/2021 3:44:18 PM

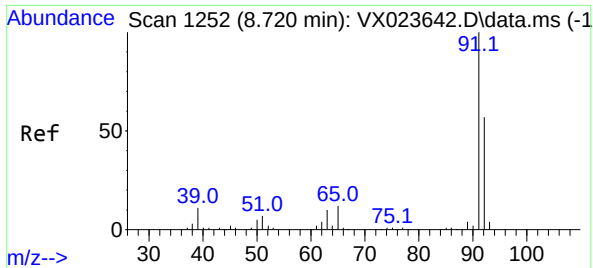


#40

4-Methyl-2-pentanone
Concen: 4.629 ug/L
RT: 8.580 min Scan# 1229
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion: 43 Resp: 17035
Ion Ratio Lower Upper
43 100
58 37.6 35.0 52.4
100 15.4 14.2 21.4





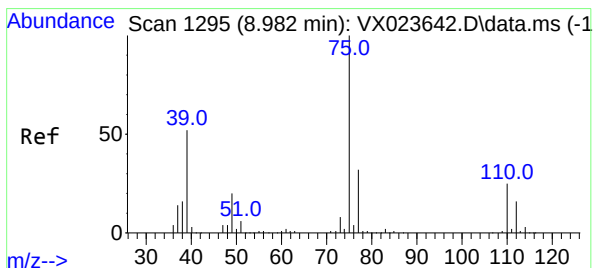
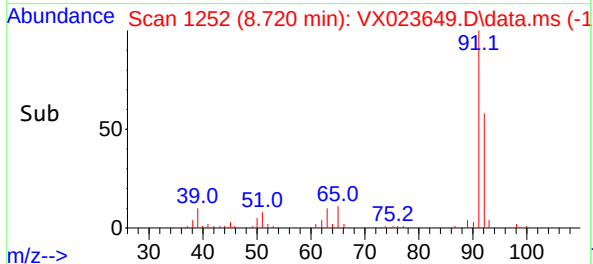
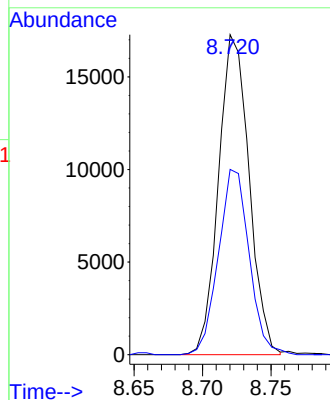
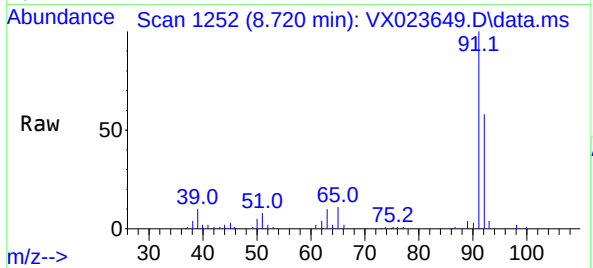
#42
Toluene
Concen: 2.902 ug/L
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion: 91 Resp: 26785
Ion Ratio Lower Upper
91 100
92 57.9 40.5 75.1

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

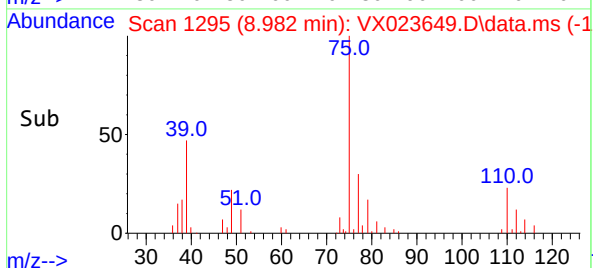
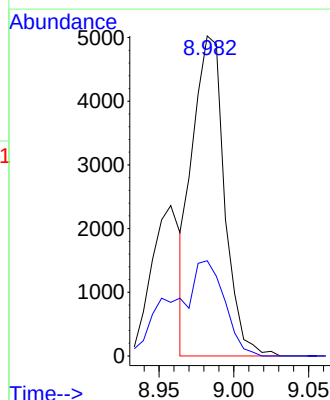
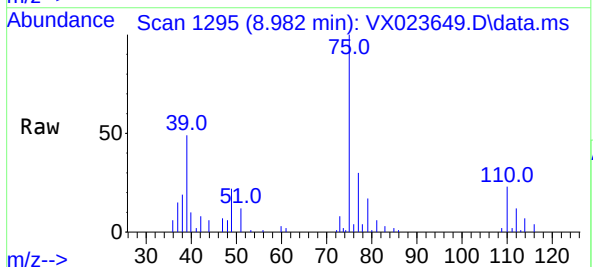
Manual Integrations
APPROVED

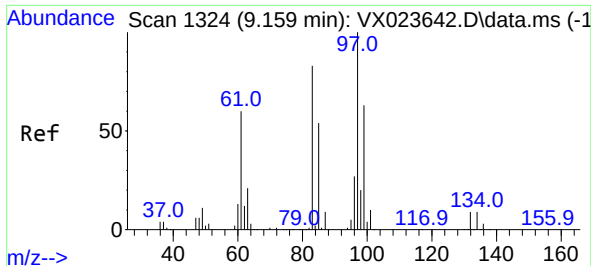
MMDadoda
8/13/2021 3:44:18 PM



#44
trans-1,3-Dichloropropene
Concen: 2.229 ug/L
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion: 75 Resp: 7505
Ion Ratio Lower Upper
75 100
77 29.8 22.4 41.6





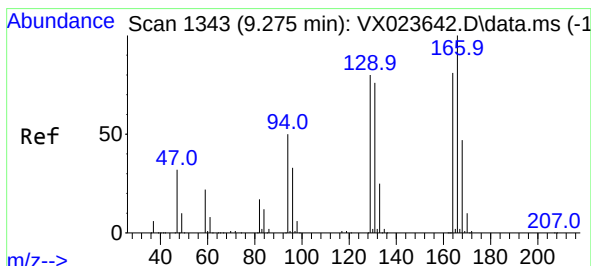
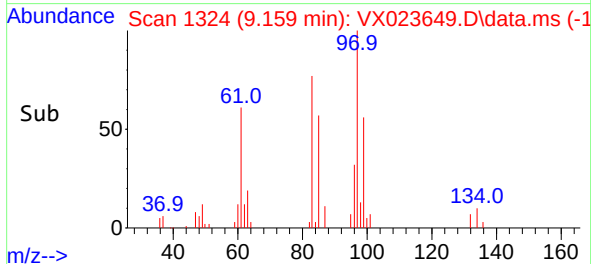
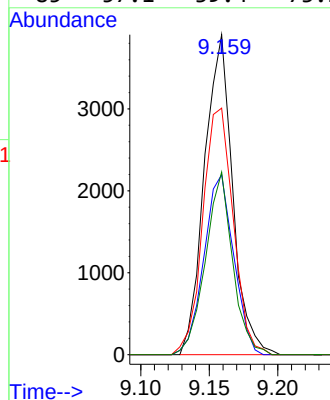
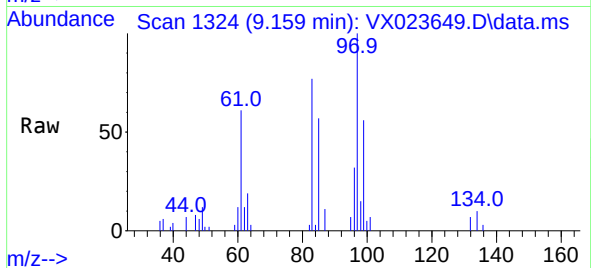
#45
1,1,2-Trichloroethane
Concen: 2.405 ug/L
RT: 9.159 min Scan# 1324
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion:	97	Resp:	5581
Ion	Ratio	Lower	Upper
97	100		
99	56.2	44.0	81.6
83	77.1	60.8	113.0
85	57.1	39.4	73.2

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

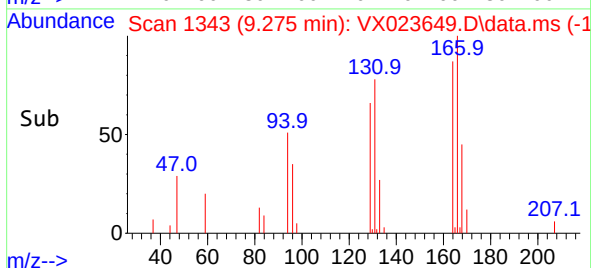
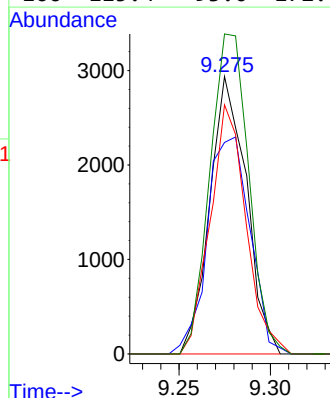
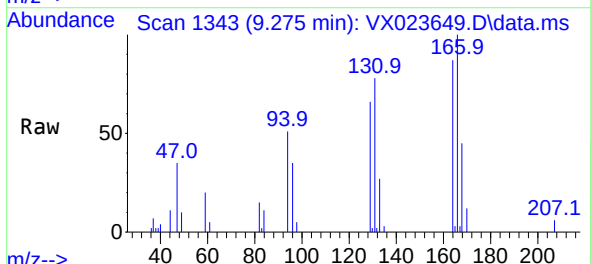
Manual Integrations
APPROVED

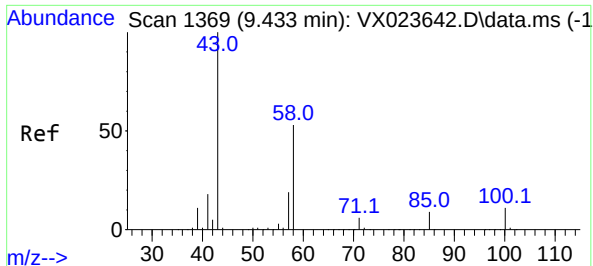
MMDadoda
8/13/2021 3:44:18 PM



#46
Tetrachloroethene
Concen: 2.417 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion:	164	Resp:	4084
Ion	Ratio	Lower	Upper
164	100		
129	76.3	65.6	121.8
131	92.6	63.7	118.3
166	115.4	93.0	172.6





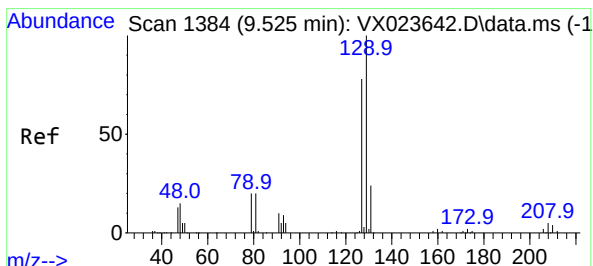
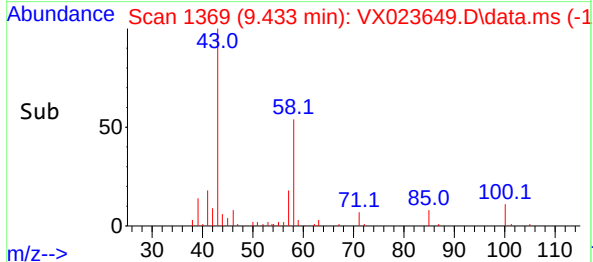
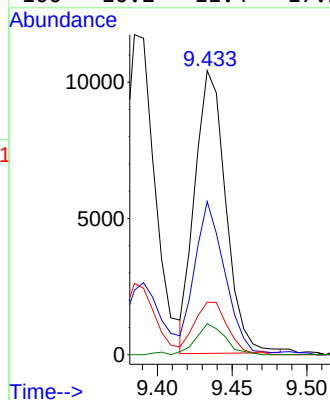
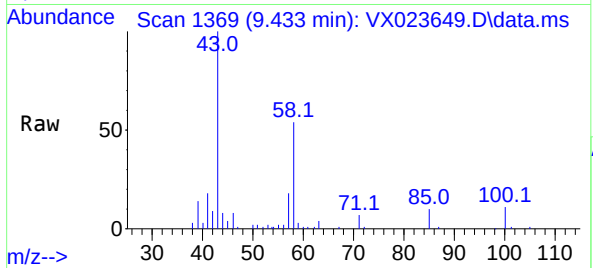
#48
2-Hexanone
Concen: 5.023 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion:	43	Resp:	14927
Ion	Ratio	Lower	Upper
43	100		
58	52.5	50.1	75.1
57	19.7	17.3	25.9
100	10.2	11.4	17.2#

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

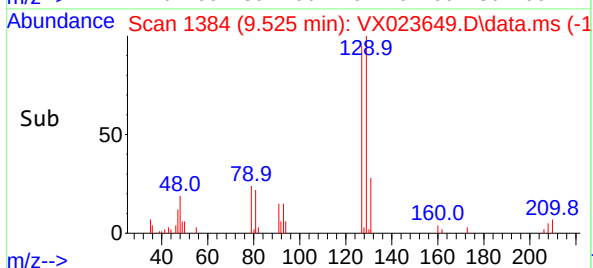
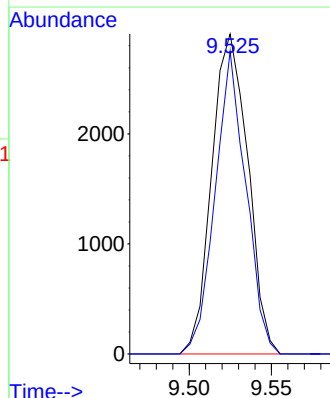
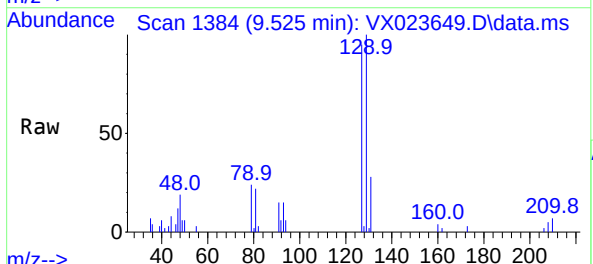
Manual Integrations
APPROVED

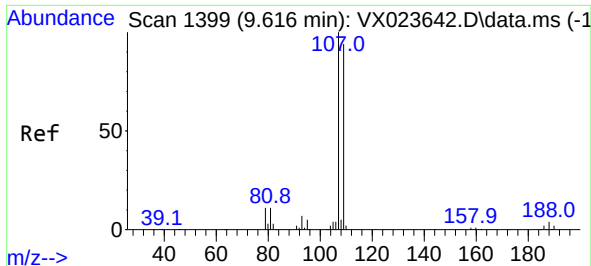
MMDadoda
8/13/2021 3:44:18 PM



#49
Dibromochloromethane
Concen: 1.895 ug/L
RT: 9.525 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

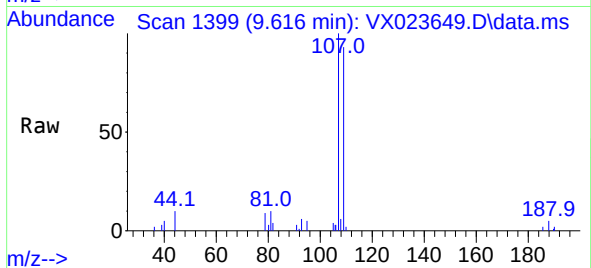
Tgt Ion:	129	Resp:	4437
Ion	Ratio	Lower	Upper
129	100		
127	94.6	52.5	97.5





#50
1,2-Dibromoethane
Concen: 2.245 ug/L
RT: 9.616 min Scan# 1399
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

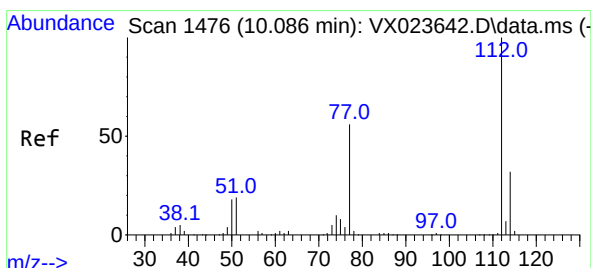
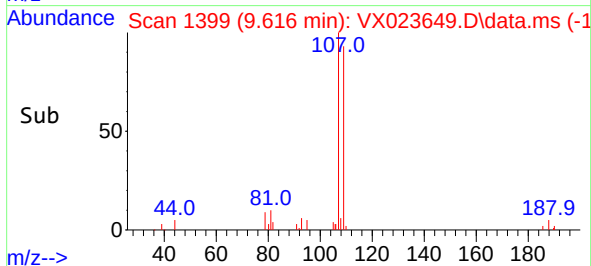
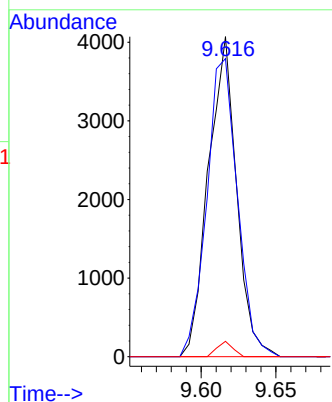
Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07



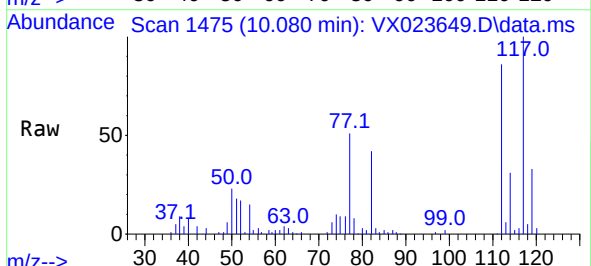
Tgt Ion:107 Resp: 5334
Ion Ratio Lower Upper
107 100
109 93.2 66.4 123.4
188 4.8 3.2 4.8#

Manual Integrations
APPROVED

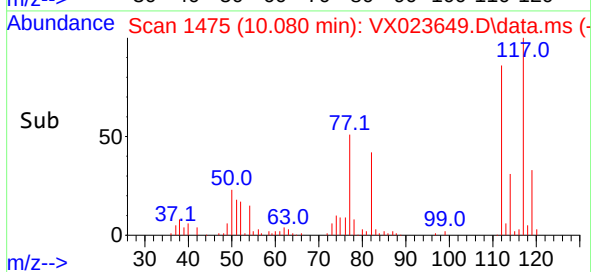
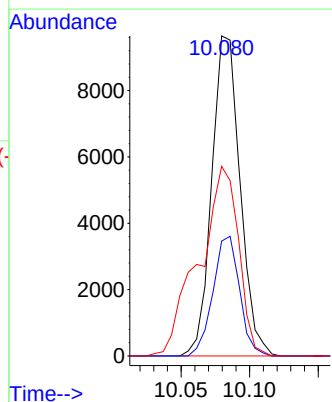
MMDadoda
8/13/2021 3:44:18 PM

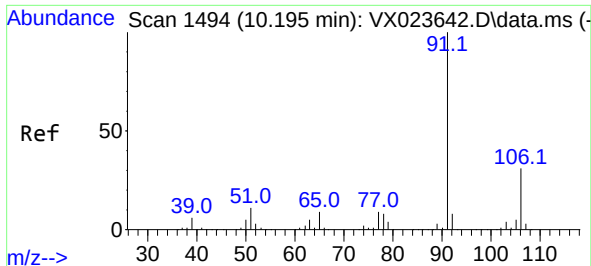


#51
Chlorobenzene
Concen: 2.257 ug/L
RT: 10.080 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14



Tgt Ion:112 Resp: 13837
Ion Ratio Lower Upper
112 100
114 35.9 23.2 43.2
77 59.2 48.4 72.6





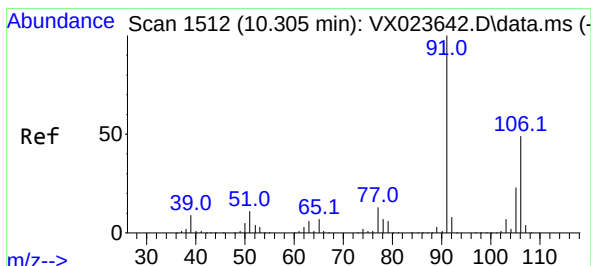
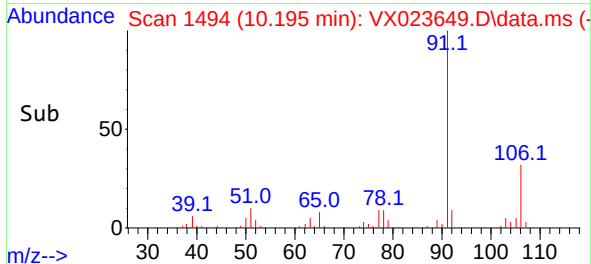
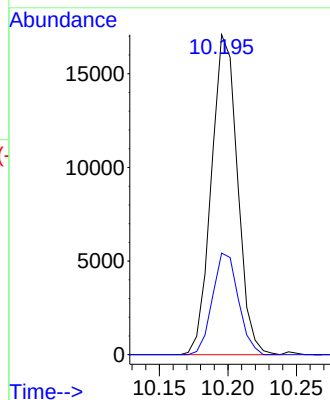
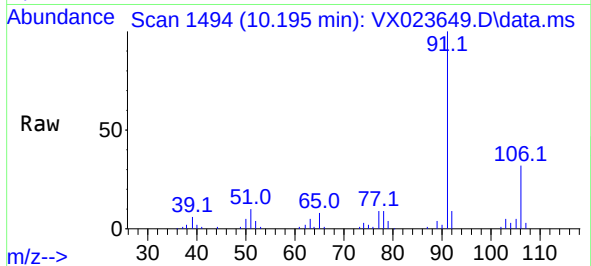
#52
Ethylbenzene
Concen: 2.239 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion: 91 Resp: 22622
Ion Ratio Lower Upper
91 100
106 31.8 21.0 39.0

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

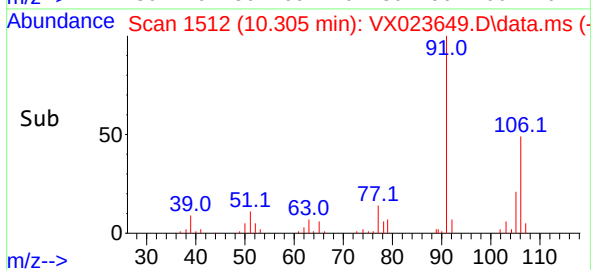
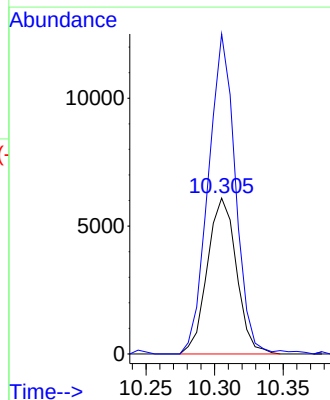
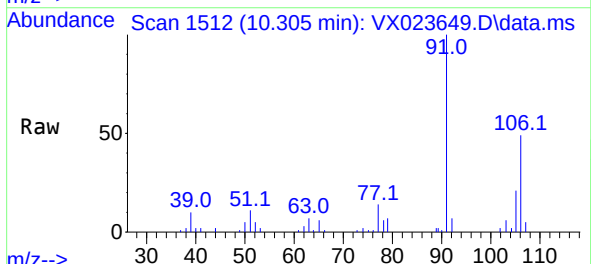
Manual Integrations
APPROVED

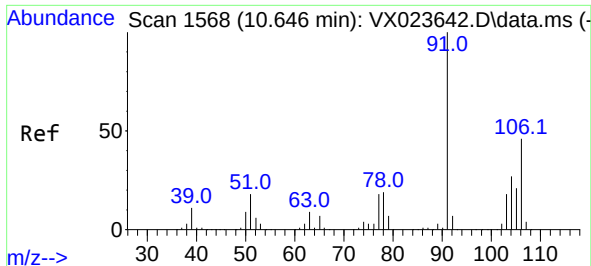
MMDadoda
8/13/2021 3:44:18 PM



#53
m,p-Xylene
Concen: 2.339 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion: 106 Resp: 9012
Ion Ratio Lower Upper
106 100
91 205.3 142.5 264.6





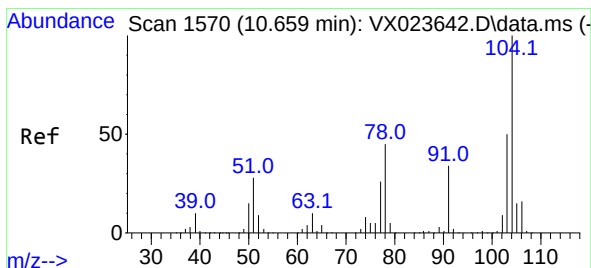
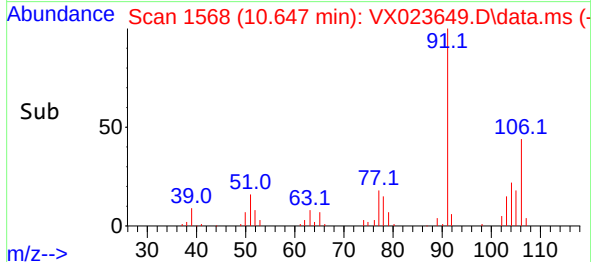
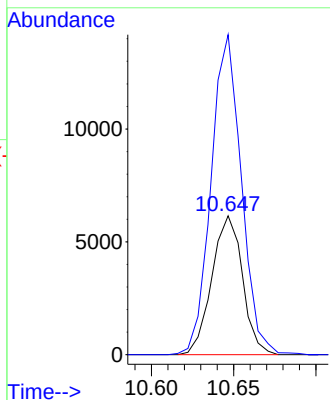
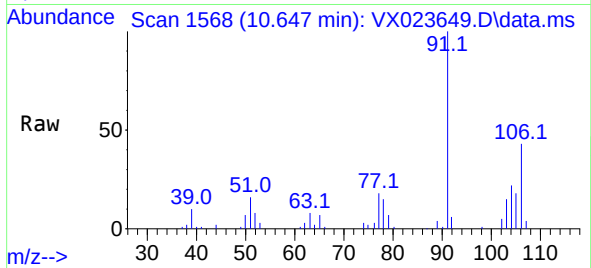
#54
o-Xylene
Concen: 2.080 ug/L
RT: 10.647 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion:106 Resp: 7983
Ion Ratio Lower Upper
106 100
91 230.4 156.2 290.0

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

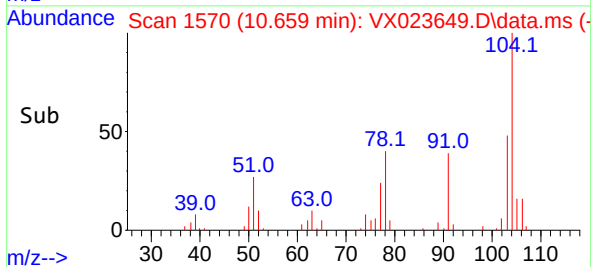
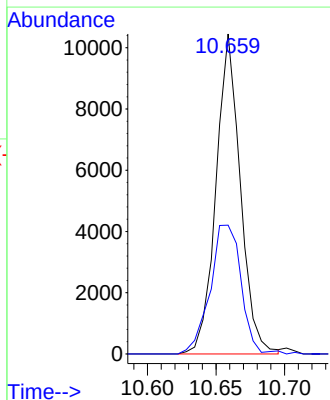
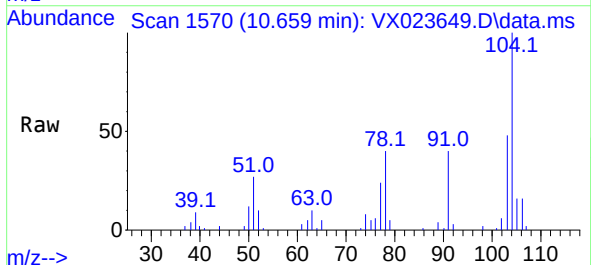
Manual Integrations
APPROVED

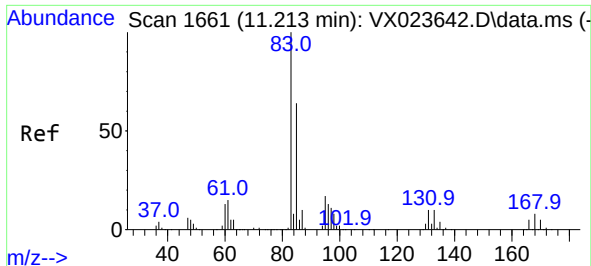
MMDadoda
8/13/2021 3:44:18 PM



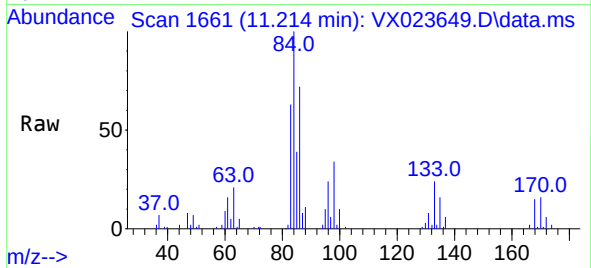
#55
Styrene
Concen: 1.994 ug/L
RT: 10.659 min Scan# 1570
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion:104 Resp: 12891
Ion Ratio Lower Upper
104 100
78 40.3 30.0 55.6

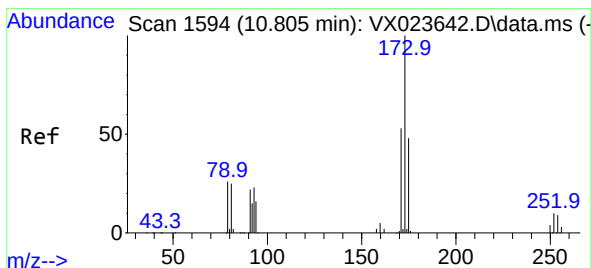
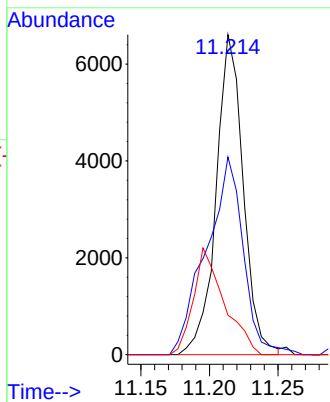
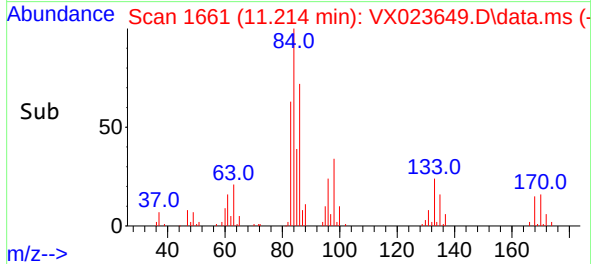




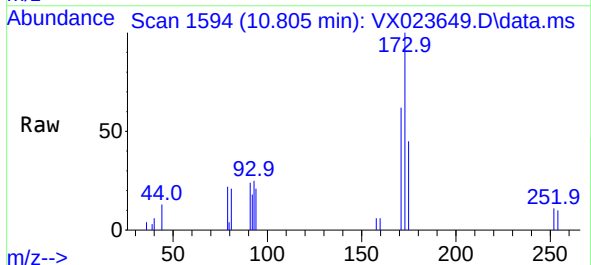
#57
1,1,2,2-Tetrachloroethane
Concen: 2.575 ug/L
RT: 11.214 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14



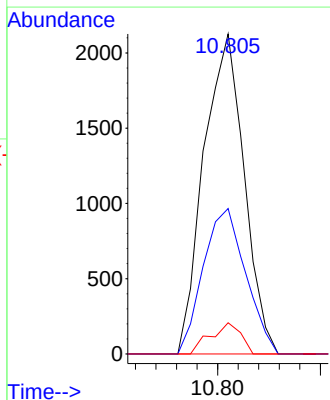
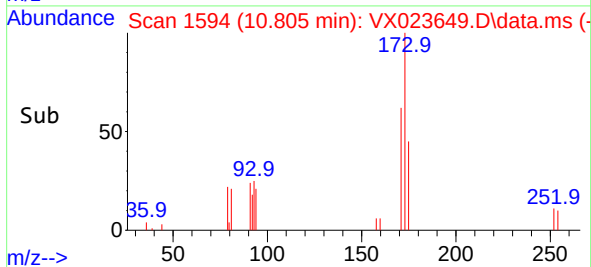
Tgt Ion: 83 Resp: 9082
Ion Ratio Lower Upper
83 100
85 61.7 44.7 82.9
131 12.4 7.8 11.8#



#59
Bromoform
Concen: 2.005 ug/L
RT: 10.805 min Scan# 1594
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14



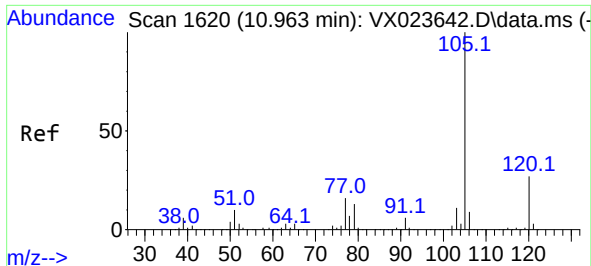
Tgt Ion: 173 Resp: 2900
Ion Ratio Lower Upper
173 100
175 47.8 39.4 59.2
254 7.3 8.6 13.0#



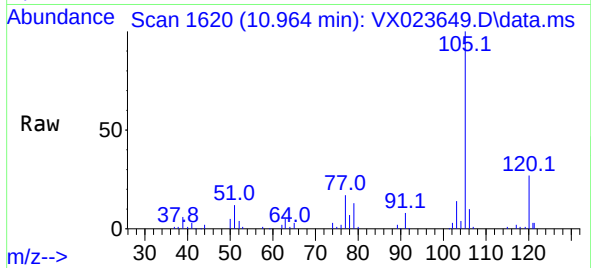
Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

Manual Integrations
APPROVED

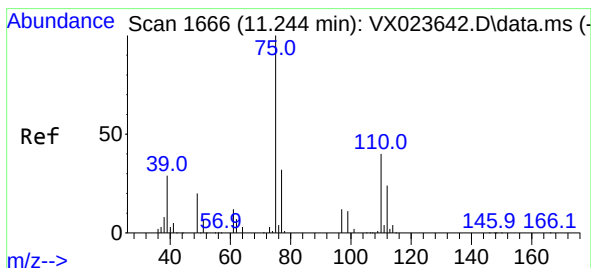
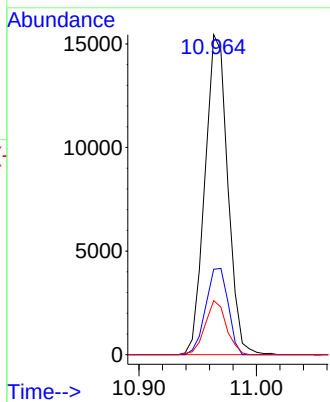
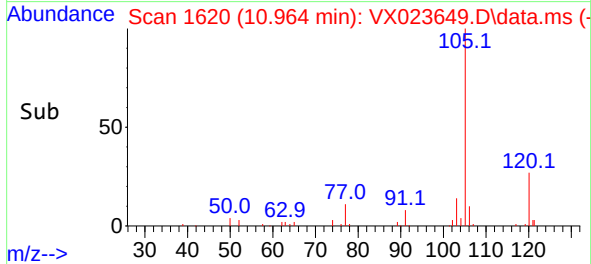
MMDadoda
8/13/2021 3:44:18 PM



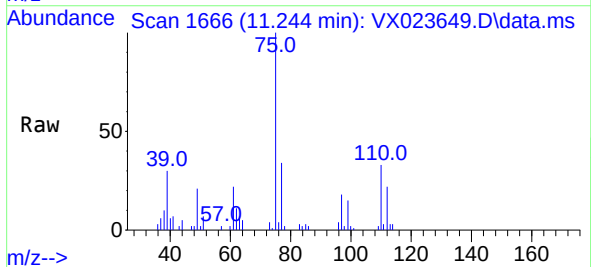
#60
Isopropylbenzene
Concen: 2.273 ug/L
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14



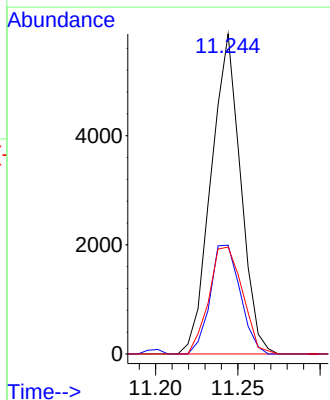
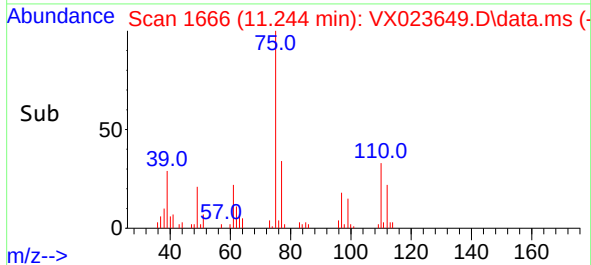
Tgt Ion: 105 Resp: 20806
Ion Ratio Lower Upper
105 100
120 26.4 21.2 31.8
77 15.8 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 2.701 ug/L
RT: 11.244 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14



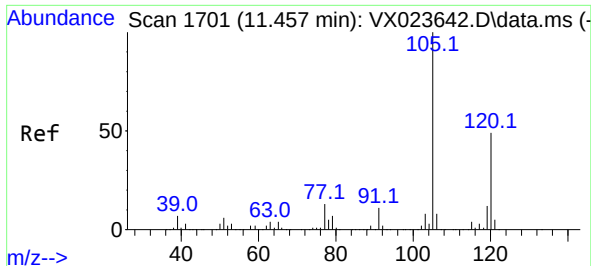
Tgt Ion: 75 Resp: 7328
Ion Ratio Lower Upper
75 100
77 34.6 26.2 39.2
110 37.8 31.8 47.8



Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

Manual Integrations
APPROVED

MMDadoda
8/13/2021 3:44:18 PM



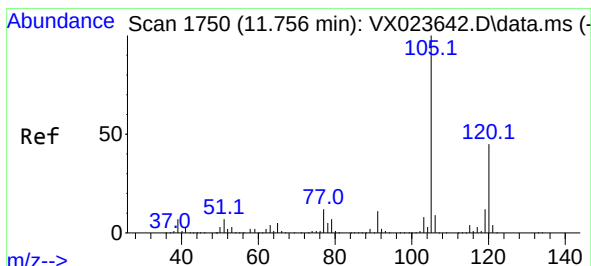
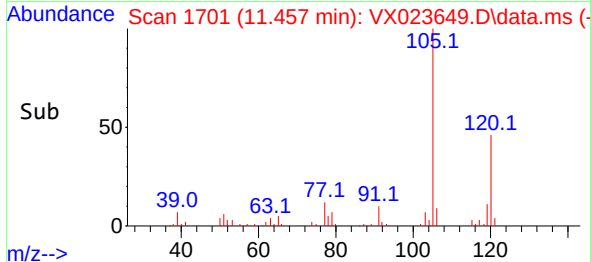
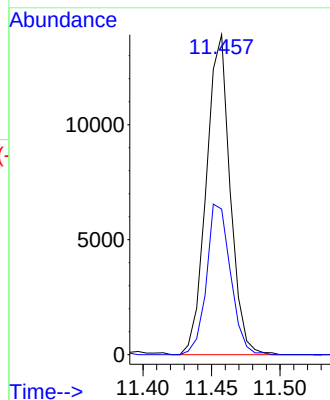
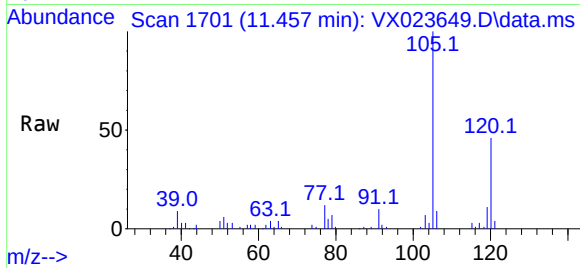
#62
1,3,5-Trimethylbenzene
Concen: 2.272 ug/L
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion:105 Resp: 16828
Ion Ratio Lower Upper
105 100
120 47.4 38.0 57.0

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

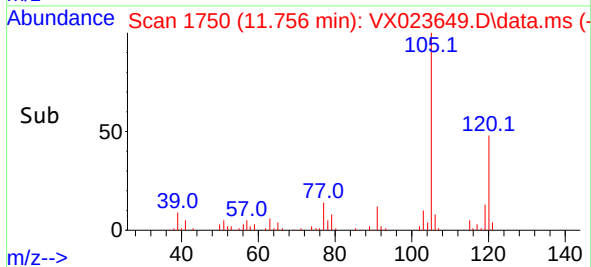
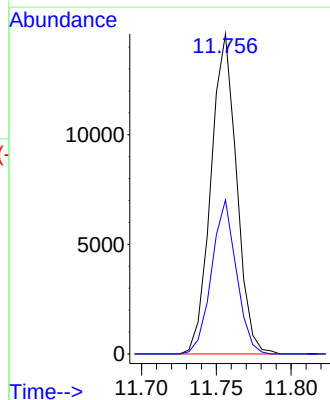
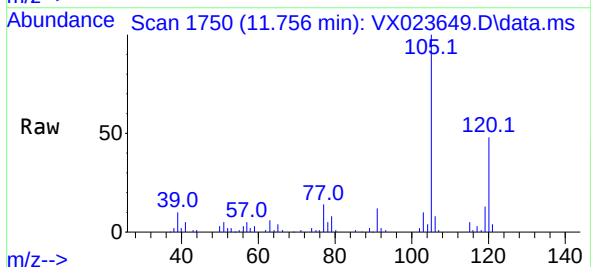
Manual Integrations
APPROVED

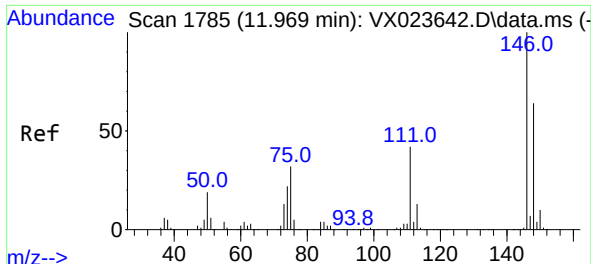
MMDadoda
8/13/2021 3:44:18 PM



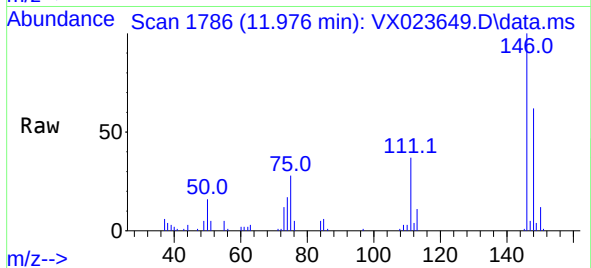
#63
1,2,4-Trimethylbenzene
Concen: 2.316 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion:105 Resp: 17438
Ion Ratio Lower Upper
105 100
120 46.3 36.4 54.6

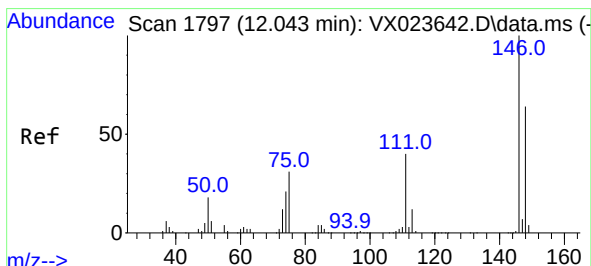
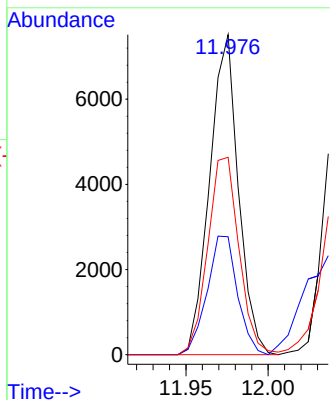
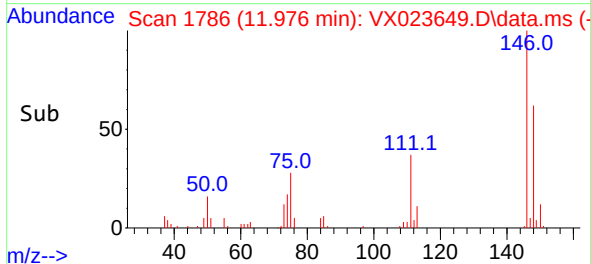




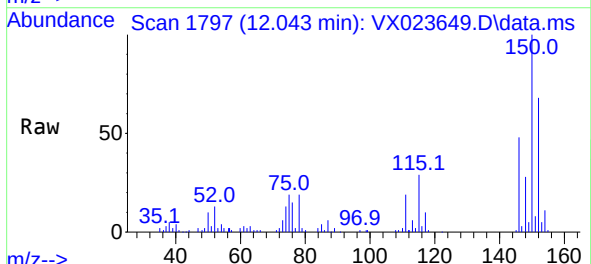
#64
1,3-Dichlorobenzene
Concen: 2.288 ug/L
RT: 11.976 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14



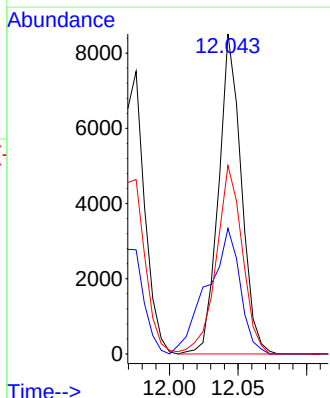
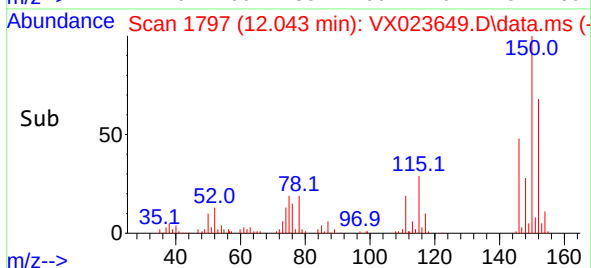
Tgt Ion:146 Resp: 9148
Ion Ratio Lower Upper
146 100
111 36.8 28.9 53.7
148 61.7 47.7 88.7



#65
1,4-Dichlorobenzene
Concen: 2.464 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14



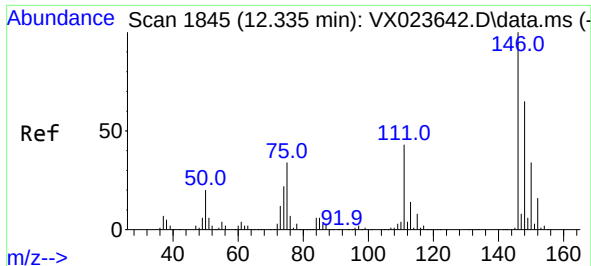
Tgt Ion:146 Resp: 9806
Ion Ratio Lower Upper
146 100
111 39.3 28.7 53.3
148 58.9 45.8 85.2



Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

Manual Integrations
APPROVED

MMDadoda
8/13/2021 3:44:18 PM



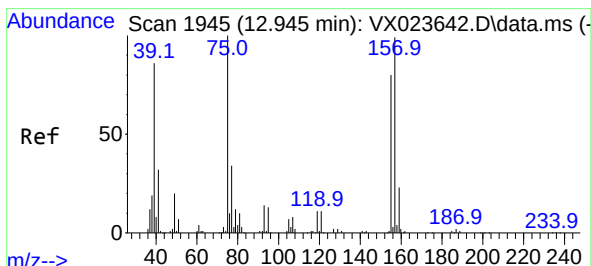
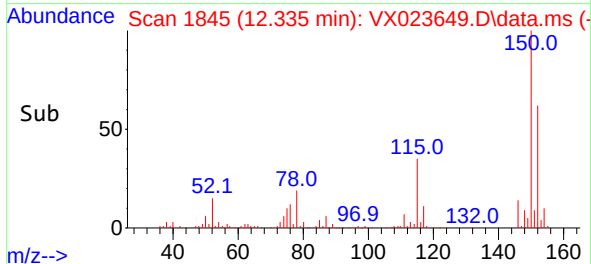
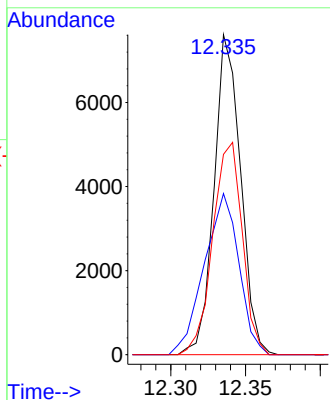
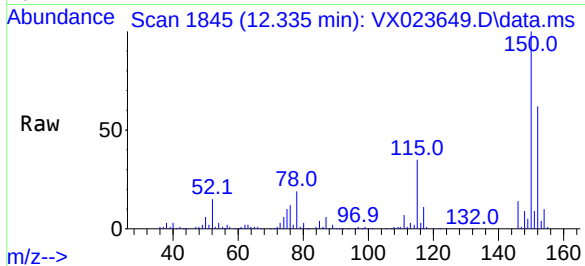
#67
1,2-Dichlorobenzene
Concen: 2.396 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

Tgt Ion: 146 Resp: 9402
Ion Ratio Lower Upper
146 100
111 50.4 33.8 50.8
148 62.6 51.4 77.2

Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

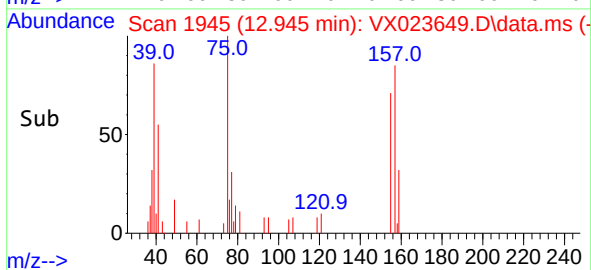
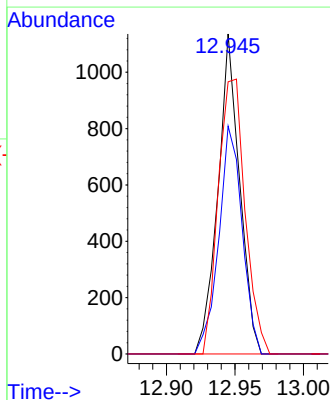
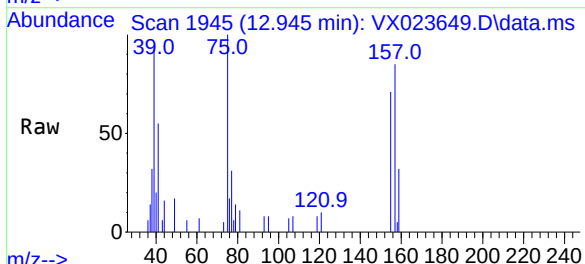
Manual Integrations
APPROVED

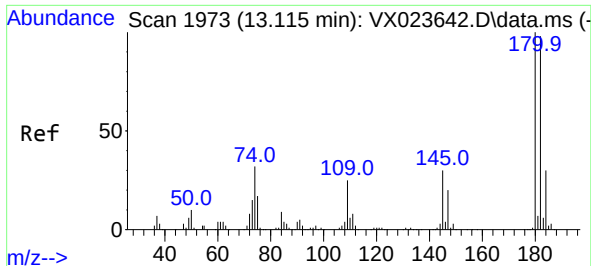
MMDadoda
8/13/2021 3:44:18 PM



#68
1,2-Dibromo-3-chloropropane
Concen: 1.979 ug/L
RT: 12.945 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

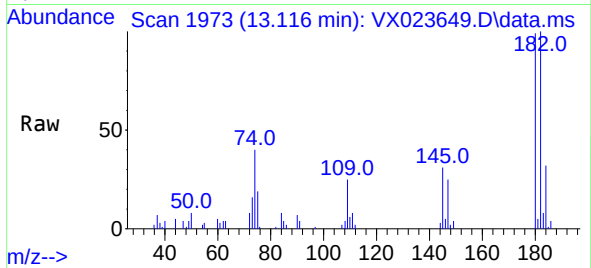
Tgt Ion: 75 Resp: 1250
Ion Ratio Lower Upper
75 100
155 71.2 65.3 97.9
157 85.0 80.5 120.7





#69
1,3,5-Trichlorobenzene
Concen: 2.297 ug/L
RT: 13.116 min Scan# 1973
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

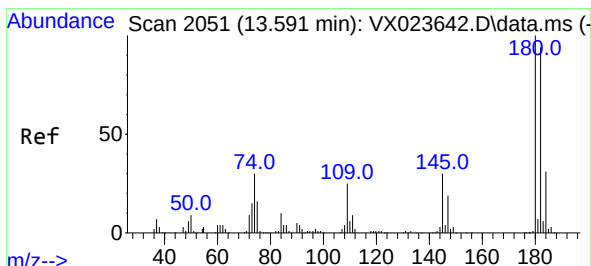
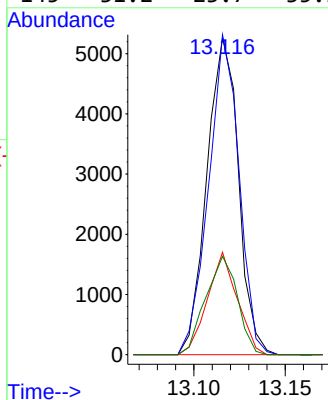
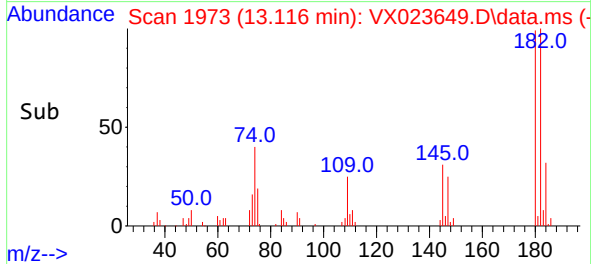
Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07



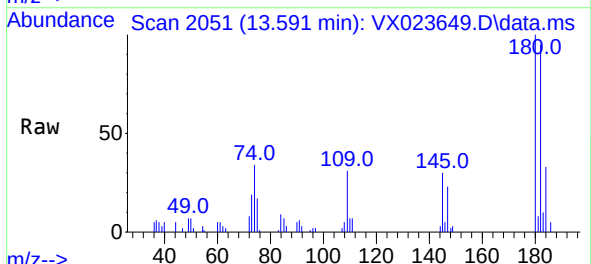
Tgt Ion:180 Resp: 6341
Ion Ratio Lower Upper
180 100
182 97.0 74.8 112.2
184 30.6 24.1 36.1
145 31.2 23.7 35.5

Manual Integrations
APPROVED

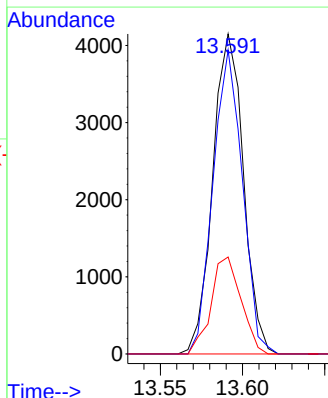
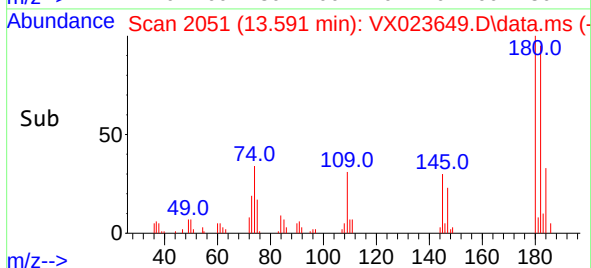
MMDadoda
8/13/2021 3:44:18 PM

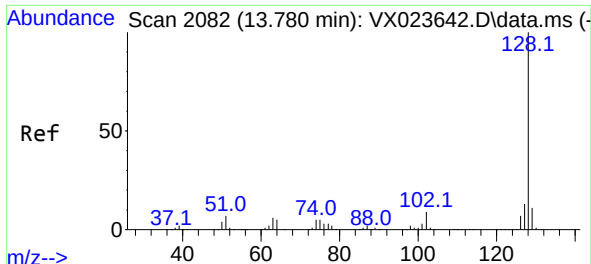


#70
1,2,4-trichlorobenzene
Concen: 2.265 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14

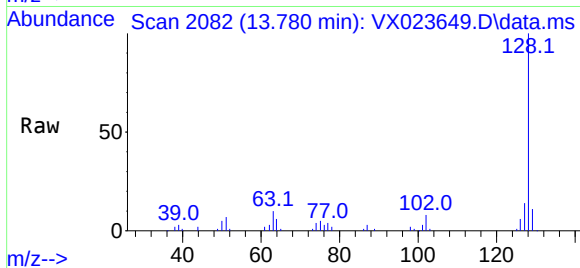


Tgt Ion:180 Resp: 5383
Ion Ratio Lower Upper
180 100
182 90.8 74.3 111.5
145 29.7 24.1 36.1

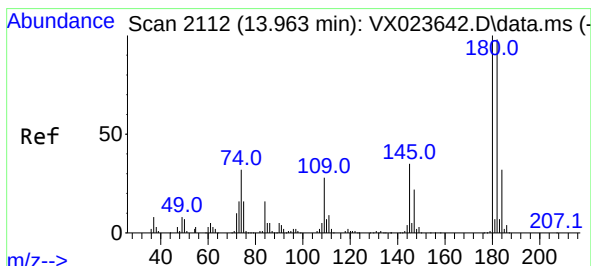
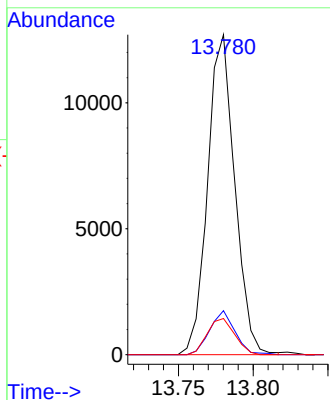
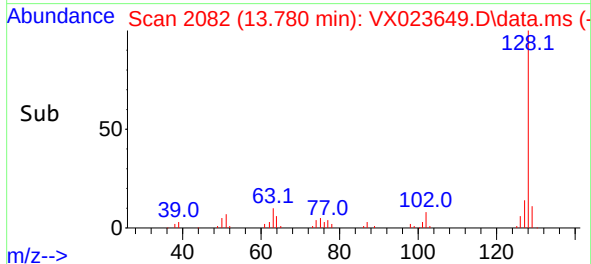




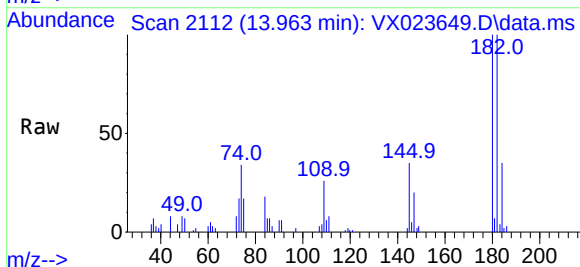
#71
Naphthalene
Concen: 1.947 ug/L
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14



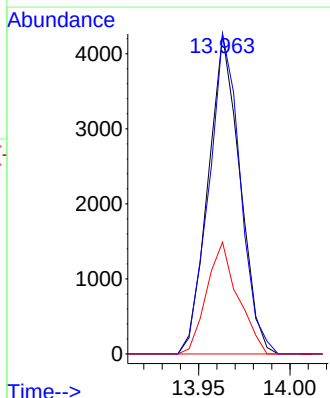
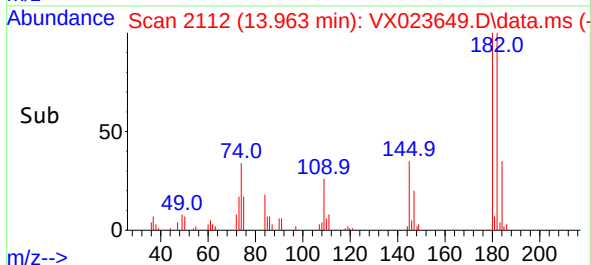
Tgt Ion:128 Resp: 16041
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 11.5 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 2.098 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX023649.D
Acq: 11 Aug 2021 14:14



Tgt Ion:180 Resp: 5138
Ion Ratio Lower Upper
180 100
182 99.1 74.6 112.0
145 34.4 25.6 38.4



Instrument :
MSVOA_X
ClientSampleId :
MDL-SOIL-QT4-2021-07

Manual Integrations
APPROVED

MMDadoda
8/13/2021 3:44:18 PM