

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101321\
 Data File : VD070700.D
 Acq On : 13 Oct 2021 16:20
 Operator : VA/SY
 Sample : M4068-02 5PPBLOQ
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Manual Integrations
 APPROVED

apatel
 10/19/2021 12:37:54 PM

Quant Time: Oct 14 04:37:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 14 04:36:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.973	168	294906	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	548397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	516619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	239740	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	181646	52.338	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.680%	
35) Dibromofluoromethane	7.914	113	183777	50.404	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.800%	
50) Toluene-d8	10.331	98	689747	49.485	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.980%	
62) 4-Bromofluorobenzene	12.625	95	231051	49.597	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 99.200%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	18507	5.145	ug/l	95
3) Chloromethane	2.208	50	23483	5.258	ug/l	92
4) Vinyl Chloride	2.344	62	26265	5.307	ug/l	93
5) Bromomethane	2.761	94	19321	5.726	ug/l	83
6) Chloroethane	2.920	64	15426	4.882	ug/l #	86
7) Trichlorofluoromethane	3.273	101	34659	5.404	ug/l	96
8) Diethyl Ether	3.708	74	8449	5.063	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.091	101	19836	5.103	ug/l	98
10) Methyl Iodide	4.302	142	15377	4.260	ug/l	98
11) Tert butyl alcohol	5.226	59	5413	31.484	ug/l #	95
12) 1,1-Dichloroethene	4.061	96	17435	5.038	ug/l	91
13) Acrolein	3.920	56	3686	22.330	ug/l	98
14) Allyl chloride	4.702	41	20475	4.250	ug/l	91
15) Acrylonitrile	5.420	53	19376	26.763	ug/l	94
16) Acetone	4.167	43	14269	24.211	ug/l	94
17) Carbon Disulfide	4.402	76	61757	4.888	ug/l #	94
18) Methyl Acetate	4.708	43	13911	6.117	ug/l	97
19) Methyl tert-butyl Ether	5.473	73	35741	5.184	ug/l	93
20) Methylene Chloride	4.955	84	34694	6.308	ug/l	94
21) trans-1,2-Dichloroethene	5.467	96	20782	5.105	ug/l	84
22) Diisopropyl ether	6.361	45	42748	4.320	ug/l #	92
23) Vinyl Acetate	6.308	43	89392	19.868	ug/l	94
24) 1,1-Dichloroethane	6.267	63	38548	5.288	ug/l	95
25) 2-Butanone	7.220	43	19534	25.315	ug/l	100
26) 2,2-Dichloropropane	7.208	77	29711	4.925	ug/l	100
27) cis-1,2-Dichloroethene	7.208	96	21747	5.084	ug/l	99
28) Bromochloromethane	7.543	49	12983	5.116	ug/l #	79
29) Tetrahydrofuran	7.561	42	12537	25.207	ug/l	97
30) Chloroform	7.708	83	40751	5.375	ug/l	98
31) Cyclohexane	7.979	56	32832	5.109	ug/l #	77
32) 1,1,1-Trichloroethane	7.908	97	35384	5.418	ug/l	96
36) 1,1-Dichloropropene	8.108	75	26915	4.621	ug/l	96
37) Ethyl Acetate	7.296	43	9331	4.822	ug/l #	85
38) Carbon Tetrachloride	8.096	117	31157	5.112	ug/l	93
39) Methylcyclohexane	9.349	83	29075	4.341	ug/l	93
40) Benzene	8.349	78	87148	5.077	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101321\
 Data File : VD070700.D
 Acq On : 13 Oct 2021 16:20
 Operator : VA/SY
 Sample : M4068-02 5PPBLOQ
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Manual Integrations
 APPROVED

apatel
 10/19/2021 12:37:54 PM

Quant Time: Oct 14 04:37:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 14 04:36:03 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.526	41	4373	4.382	ug/l #	93
42) 1,2-Dichloroethane	8.420	62	23759	5.352	ug/l	96
43) Isopropyl Acetate	8.449	43	17573	4.956	ug/l	97
44) Trichloroethene	9.114	130	23448	5.539	ug/l	86
45) 1,2-Dichloropropane	9.384	63	21733	4.961	ug/l	99
46) Dibromomethane	9.473	93	11297	5.024	ug/l	96
47) Bromodichloromethane	9.655	83	29674	5.114	ug/l	92
48) Methyl methacrylate	9.449	41	7333	4.412	ug/l #	87
49) 1,4-Dioxane	9.461	88	2521	110.337	ug/l	94
51) 4-Methyl-2-Pentanone	10.220	43	43521	23.791	ug/l	99
52) Toluene	10.396	92	54062	5.126	ug/l	100
53) t-1,3-Dichloropropene	10.614	75	26136	5.146	ug/l	94
54) cis-1,3-Dichloropropene	10.084	75	29490	4.823	ug/l	96
55) 1,1,2-Trichloroethane	10.790	97	16998	5.549	ug/l	94
56) Ethyl methacrylate	10.655	69	15864	4.849	ug/l	99
57) 1,3-Dichloropropane	10.937	76	26213	5.030	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.931	63	37392	25.335	ug/l	92
59) 2-Hexanone	10.979	43	27988	22.606	ug/l	97
60) Dibromochloromethane	11.131	129	19735	5.348	ug/l	99
61) 1,2-Dibromoethane	11.243	107	14866	5.212	ug/l	97
64) Tetrachloroethene	10.873	164	17346	5.236	ug/l	91
65) Chlorobenzene	11.661	112	56454	5.125	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.731	131	21162	5.164	ug/l	97
67) Ethyl Benzene	11.737	91	87567	4.606	ug/l	97
68) m/p-Xylenes	11.849	106	67083	8.961	ug/l	98
69) o-Xylene	12.167	106	30418	4.568	ug/l	100
70) Styrene	12.184	104	51091	4.355	ug/l	98
71) Bromoform	12.355	173	10751	5.588	ug/l #	94
73) Isopropylbenzene	12.473	105	78968	4.518	ug/l	99
74) N-amyl acetate	12.278	43	14538	4.414	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.720	83	19530	5.715	ug/l	99
76) 1,2,3-Trichloropropane	12.773	75	11606m	5.349	ug/l	
77) Bromobenzene	12.749	156	20984	5.370	ug/l	92
78) n-propylbenzene	12.814	91	102155	4.619	ug/l	99
79) 2-Chlorotoluene	12.896	91	62220	4.795	ug/l	97
80) 1,3,5-Trimethylbenzene	12.949	105	67172	4.506	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.520	75	4804	4.915	ug/l #	88
82) 4-Chlorotoluene	12.990	91	64030	4.720	ug/l	99
83) tert-Butylbenzene	13.208	119	56535	4.589	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	61586	4.152	ug/l	93
85) sec-Butylbenzene	13.390	105	84508	4.425	ug/l	98
86) p-Isopropyltoluene	13.502	119	68970	4.421	ug/l	100
87) 1,3-Dichlorobenzene	13.502	146	41146	5.014	ug/l	99
88) 1,4-Dichlorobenzene	13.578	146	43056	5.293	ug/l	93
89) n-Butylbenzene	13.831	91	66269	4.450	ug/l	98
90) Hexachloroethane	14.096	117	17669	5.239	ug/l	98
91) 1,2-Dichlorobenzene	13.878	146	37688	5.386	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.490	75	2646	5.363	ug/l	90
93) 1,2,4-Trichlorobenzene	15.143	180	19166	5.088	ug/l	98
94) Hexachlorobutadiene	15.255	225	12103	5.085	ug/l	96
95) Naphthalene	15.384	128	33953	4.992	ug/l	98
96) 1,2,3-Trichlorobenzene	15.572	180	16714	5.038	ug/l	90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101321\
Data File : VD070700.D
Acq On : 13 Oct 2021 16:20
Operator : VA/SY
Sample : M4068-02 5PPBLOQ
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

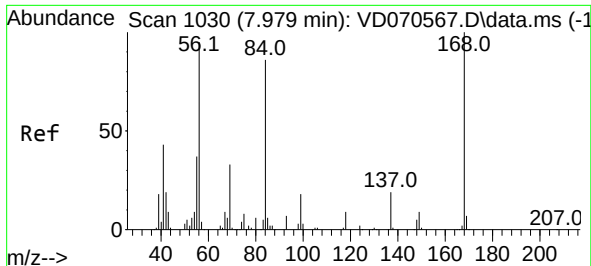
Manual Integrations
APPROVED

apatel
10/19/2021 12:37:54 PM

Quant Time: Oct 14 04:37:48 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D100521S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 14 04:36:03 2021
Response via : Initial Calibration

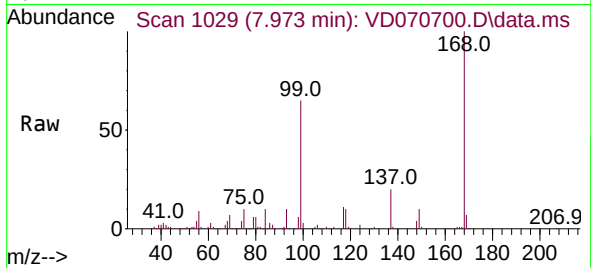
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

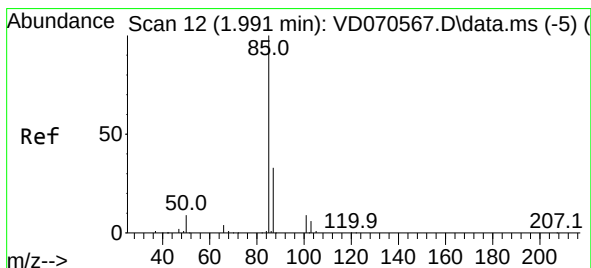
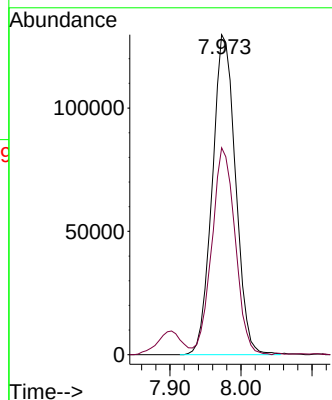
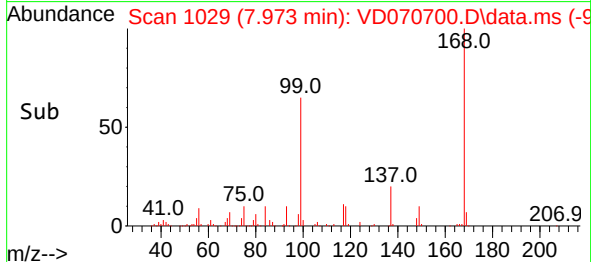
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021



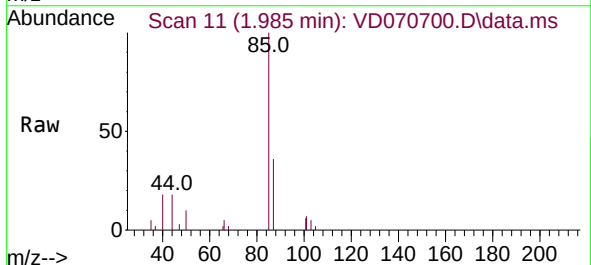
Tgt Ion:168 Resp: 294906
Ion Ratio Lower Upper
168 100
99 64.2 51.4 77.0

Manual Integrations
APPROVED

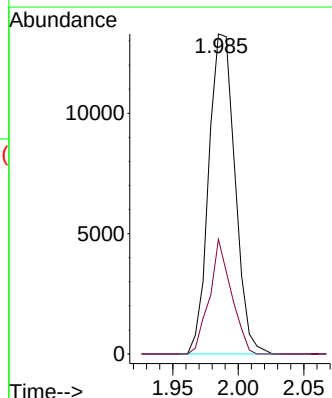
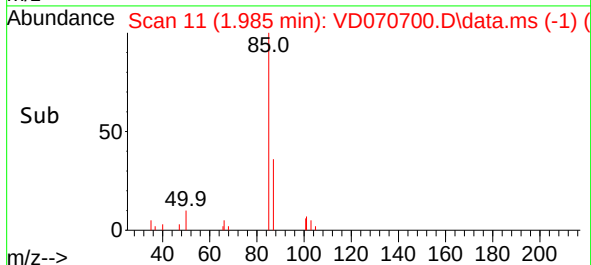
apatel
10/19/2021 12:37:54 PM

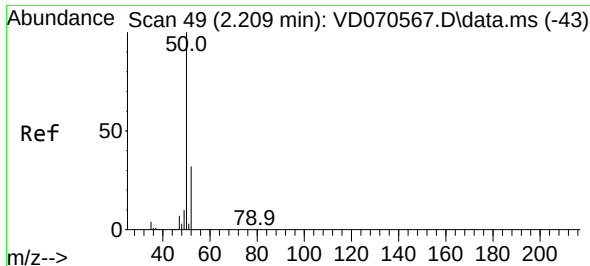


#2
Dichlorodifluoromethane
Concen: 5.145 ug/l
RT: 1.985 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



Tgt Ion: 85 Resp: 18507
Ion Ratio Lower Upper
85 100
87 35.9 16.4 49.2





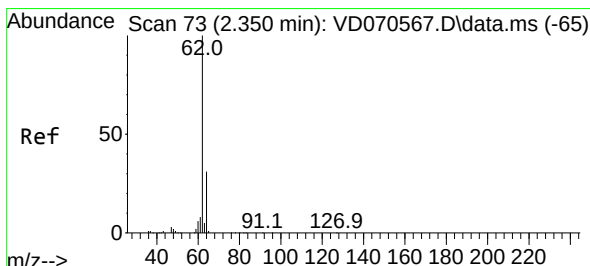
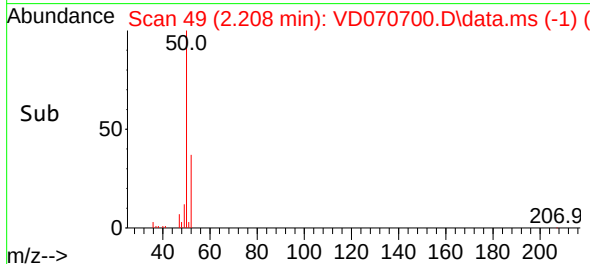
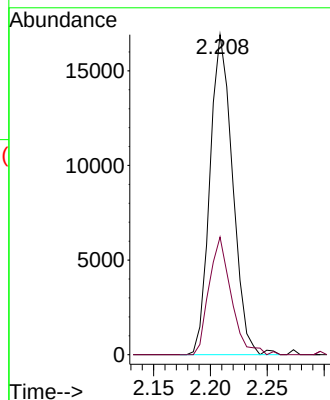
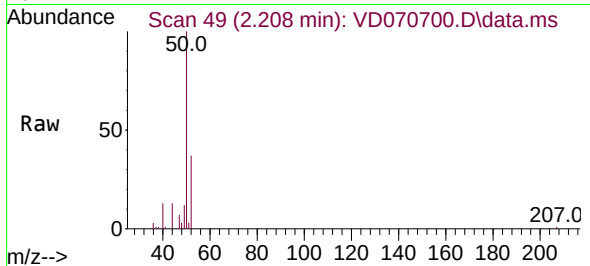
#3
Chloromethane
Concen: 5.258 ug/l
RT: 2.208 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion: 50 Resp: 23483
Ion Ratio Lower Upper
50 100
52 36.8 26.0 39.0

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

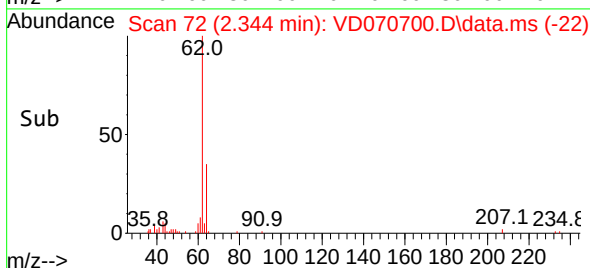
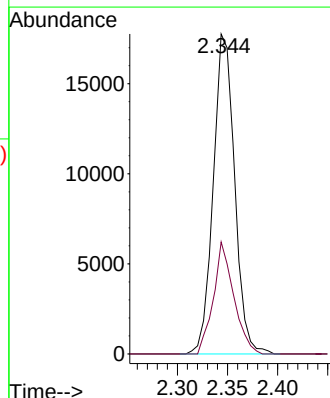
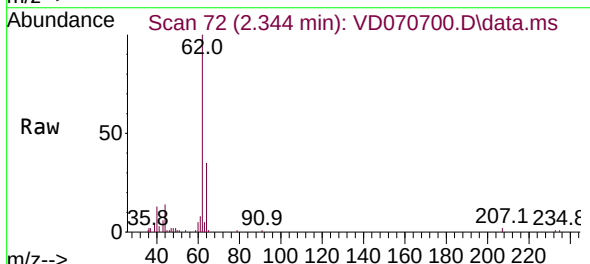
Manual Integrations
APPROVED

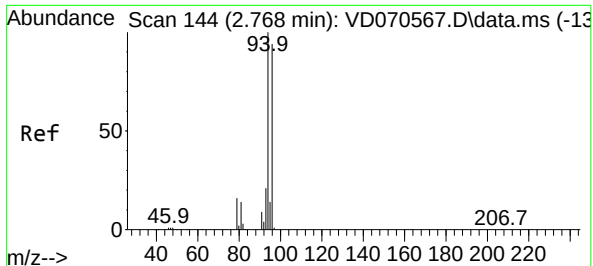
apatel
10/19/2021 12:37:54 PM



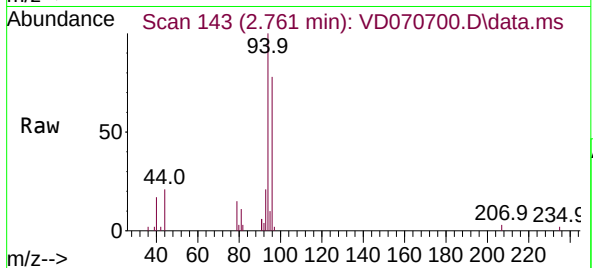
#4
Vinyl Chloride
Concen: 5.307 ug/l
RT: 2.344 min Scan# 72
Delta R.T. -0.006 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion: 62 Resp: 26265
Ion Ratio Lower Upper
62 100
64 35.0 24.9 37.3

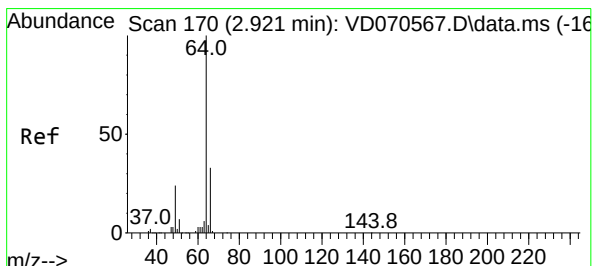
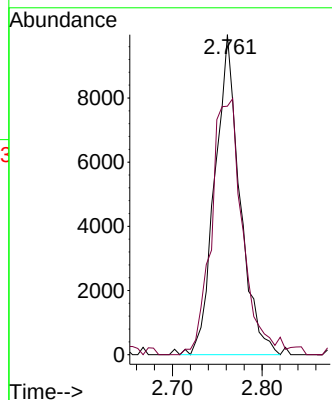
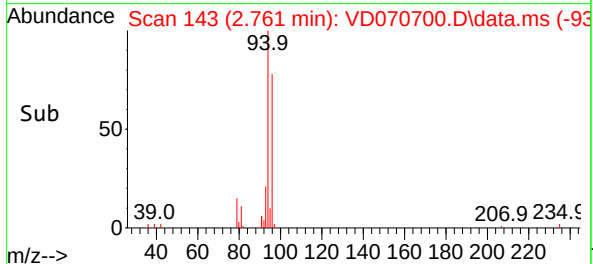




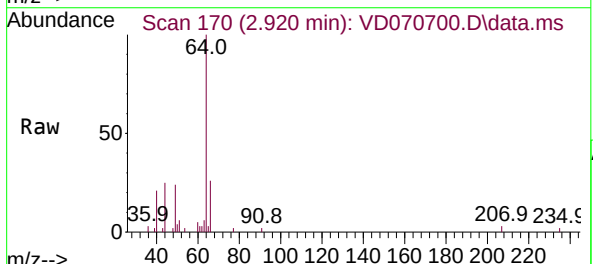
#5
Bromomethane
Concen: 5.726 ug/l
RT: 2.761 min Scan# 143
Delta R.T. -0.007 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



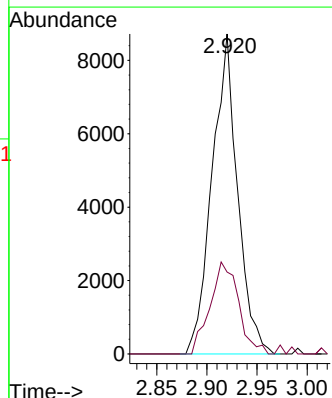
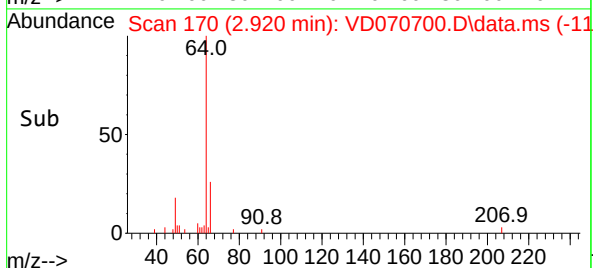
Tgt Ion: 94 Resp: 19321
Ion Ratio Lower Upper
94 100
96 77.6 75.5 113.3



#6
Chloroethane
Concen: 4.882 ug/l
RT: 2.920 min Scan# 170
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



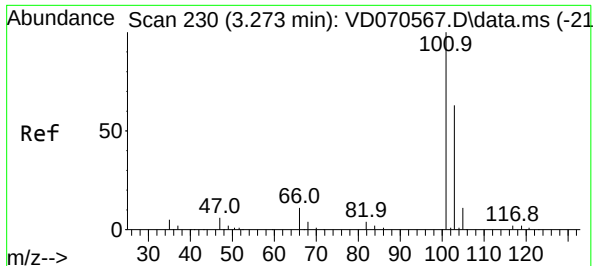
Tgt Ion: 64 Resp: 15426
Ion Ratio Lower Upper
64 100
66 25.6 26.6 40.0#



Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

apatel
10/19/2021 12:37:54 PM



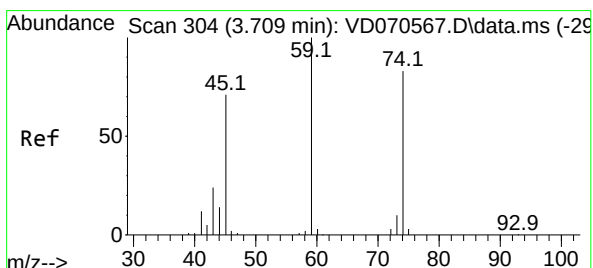
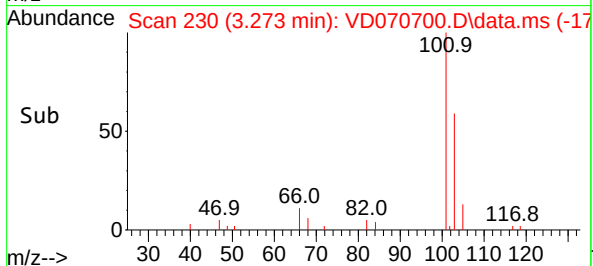
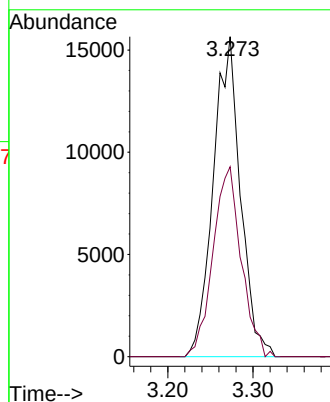
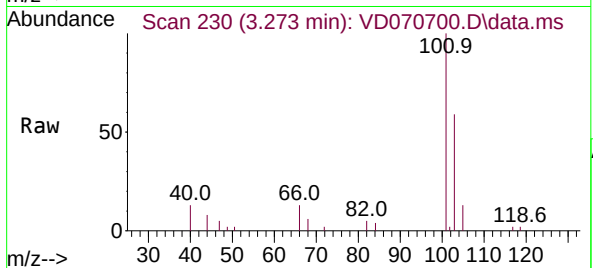
#7
Trichlorofluoromethane
Concen: 5.404 ug/l
RT: 3.273 min Scan# 230
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion:101 Resp: 34659
Ion Ratio Lower Upper
101 100
103 59.3 50.1 75.1

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

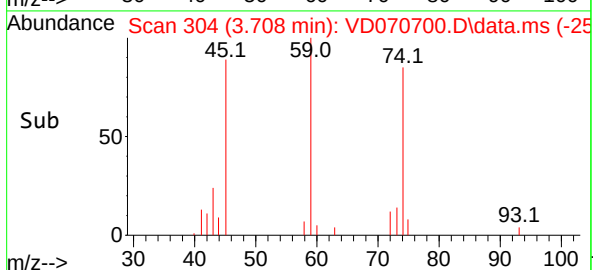
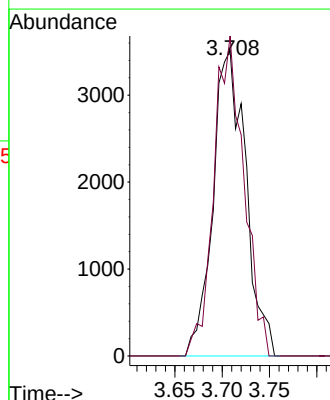
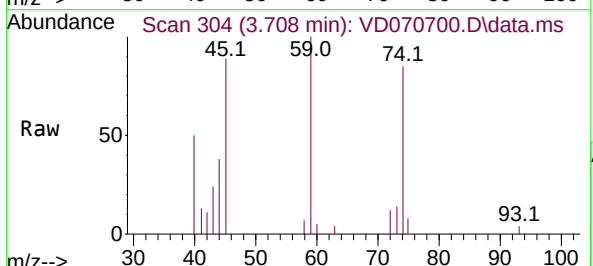
Manual Integrations
APPROVED

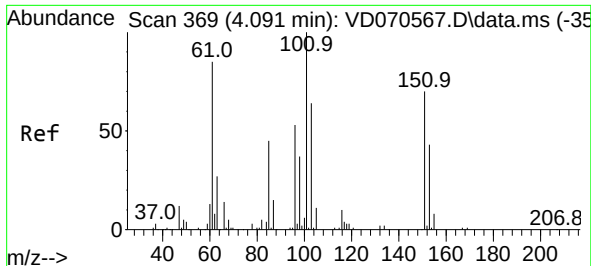
apatel
10/19/2021 12:37:54 PM



#8
Diethyl Ether
Concen: 5.063 ug/l
RT: 3.708 min Scan# 304
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion: 74 Resp: 8449
Ion Ratio Lower Upper
74 100
45 96.1 45.1 135.5





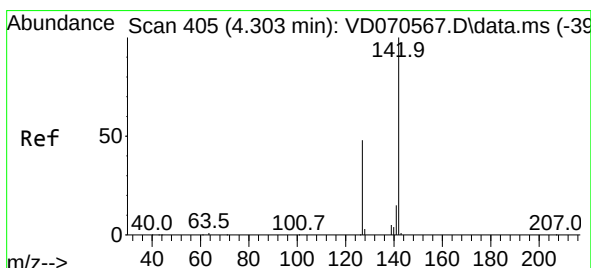
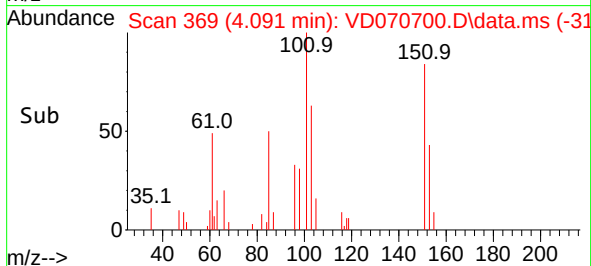
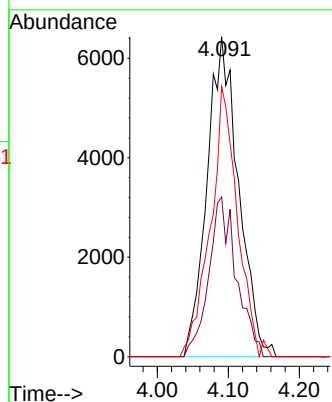
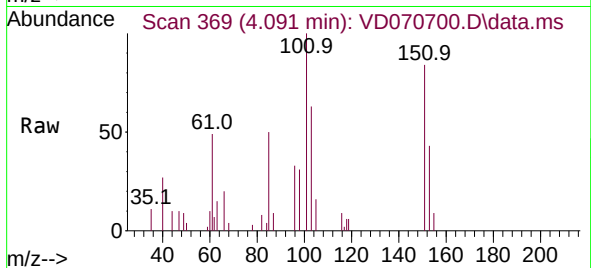
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.103 ug/l
RT: 4.091 min Scan# 369
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion:	101	Resp:	19836
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.5	53.3
151	72.5	55.8	83.8

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

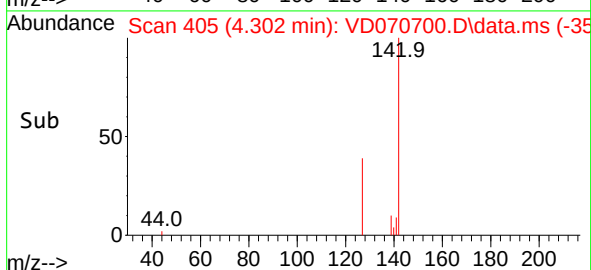
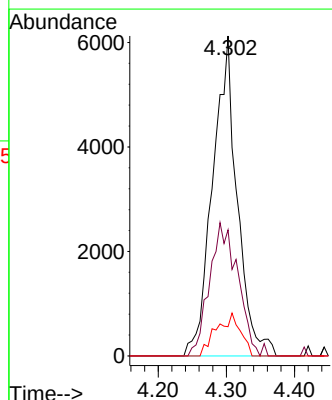
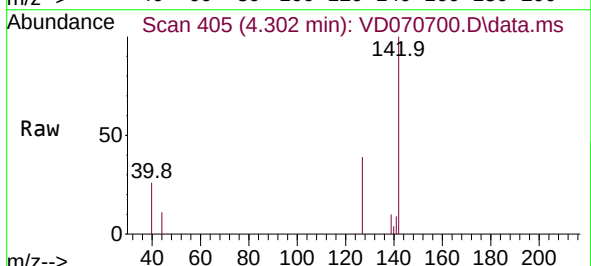
Manual Integrations
APPROVED

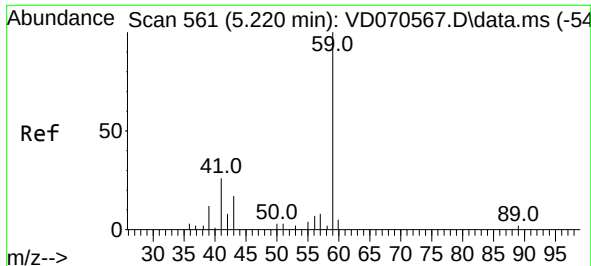
apatel
10/19/2021 12:37:54 PM



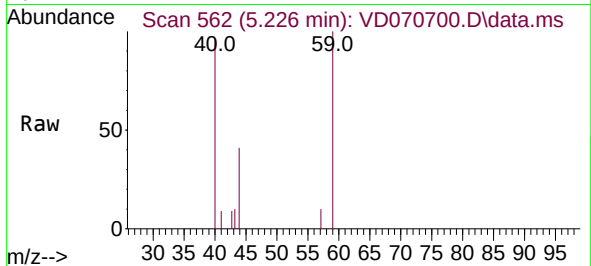
#10
Methyl Iodide
Concen: 4.260 ug/l
RT: 4.302 min Scan# 405
Delta R.T. -0.001 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion:	142	Resp:	15377
Ion Ratio	Lower	Upper	
142	100		
127	47.7	37.5	56.3
141	13.0	12.1	18.1

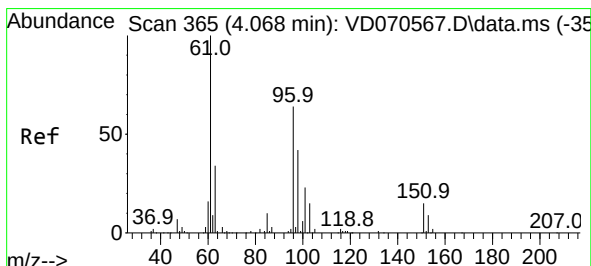
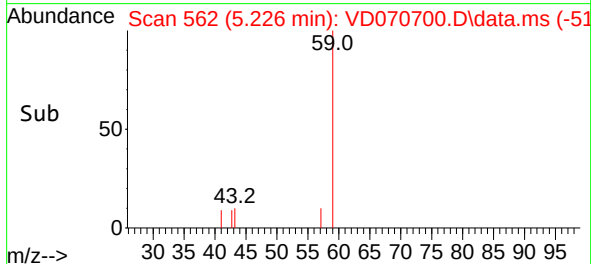
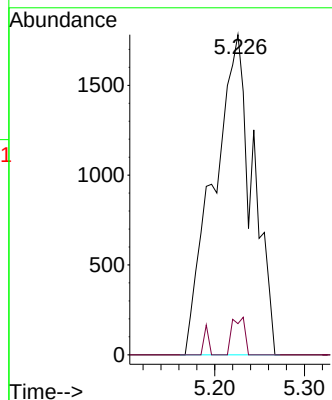




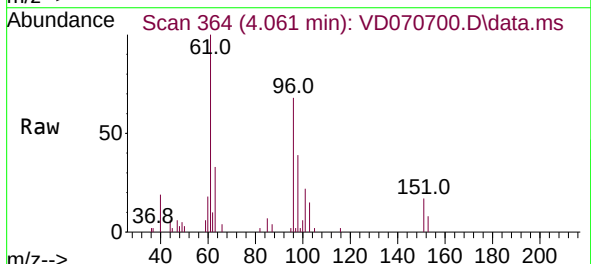
#11
Tert butyl alcohol
Concen: 31.484 ug/l
RT: 5.226 min Scan# 562
Delta R.T. 0.006 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



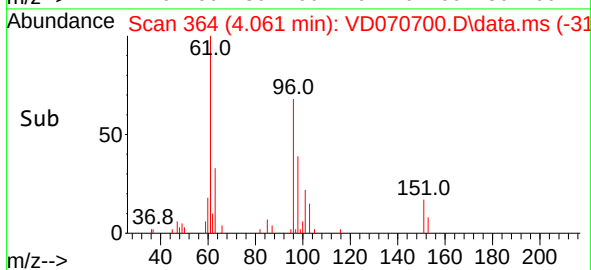
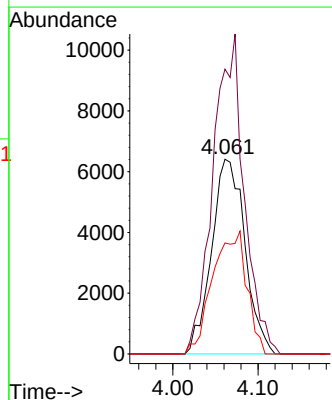
Tgt Ion: 59 Resp: 5413
Ion Ratio Lower Upper
59 100
57 3.8 4.5 6.7#



#12
1,1-Dichloroethene
Concen: 5.038 ug/l
RT: 4.061 min Scan# 364
Delta R.T. -0.006 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



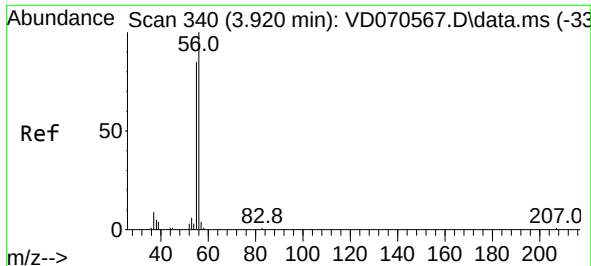
Tgt Ion: 96 Resp: 17435
Ion Ratio Lower Upper
96 100
61 146.3 125.9 188.9
98 57.0 52.3 78.5



Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

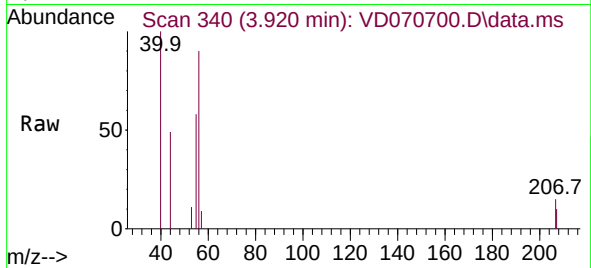
Manual Integrations
APPROVED

apatel
10/19/2021 12:37:54 PM

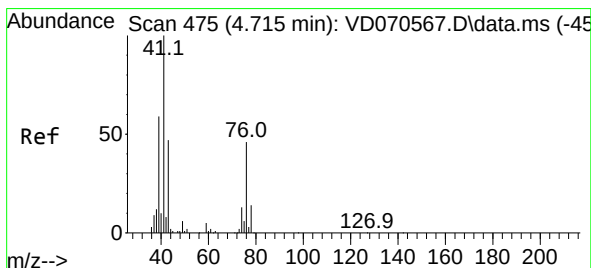
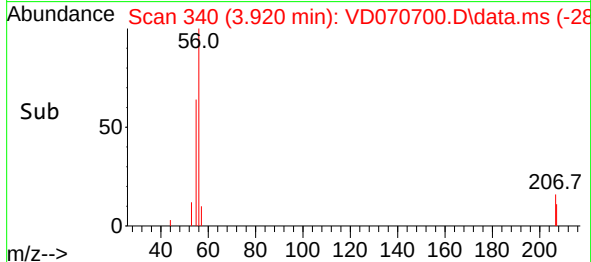
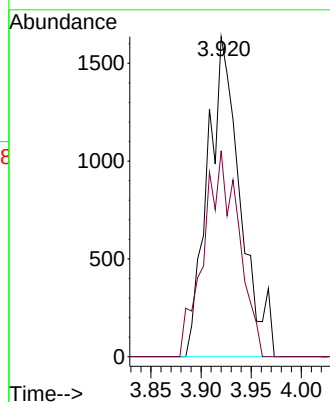


#13
Acrolein
Concen: 22.330 ug/l
RT: 3.920 min Scan# 340
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

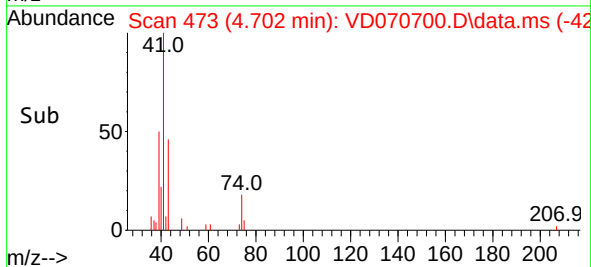
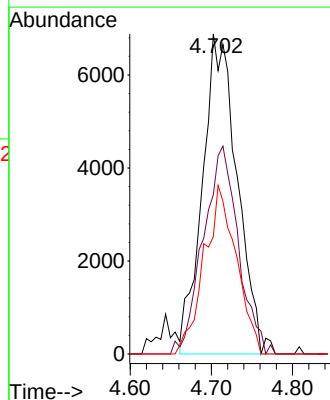
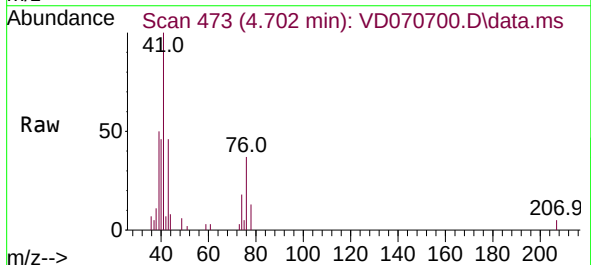


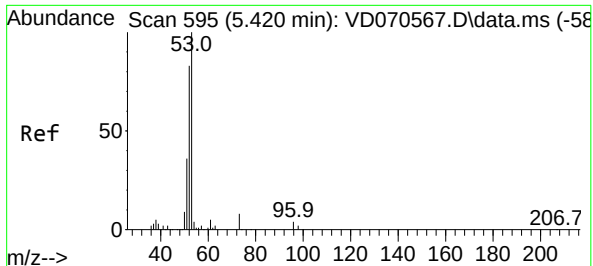
Tgt Ion: 56 Resp: 3686
Ion Ratio Lower Upper
56 100
55 69.0 56.8 85.2



#14
Allyl chloride
Concen: 4.250 ug/l
RT: 4.702 min Scan# 473
Delta R.T. -0.012 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

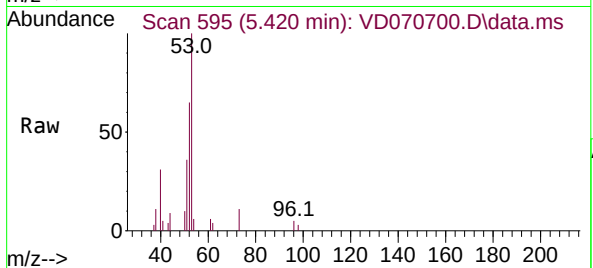
Tgt Ion: 41 Resp: 20475
Ion Ratio Lower Upper
41 100
39 65.4 46.4 69.6
76 48.6 34.6 51.8





#15
Acrylonitrile
Concen: 26.763 ug/l
RT: 5.420 min Scan# 595
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

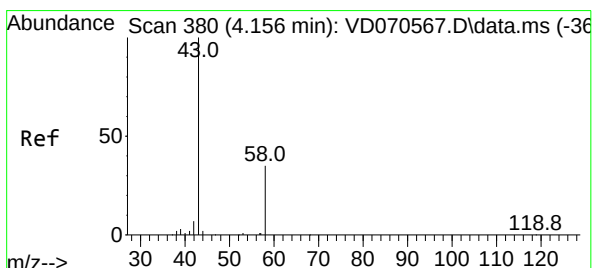
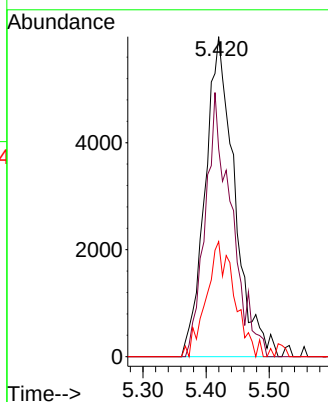
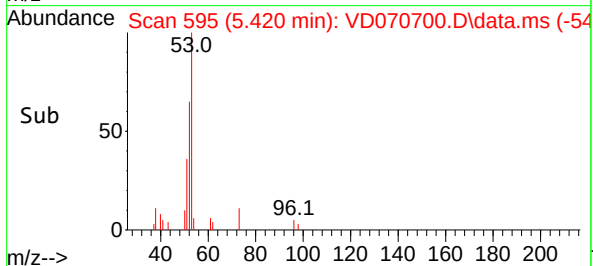
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021



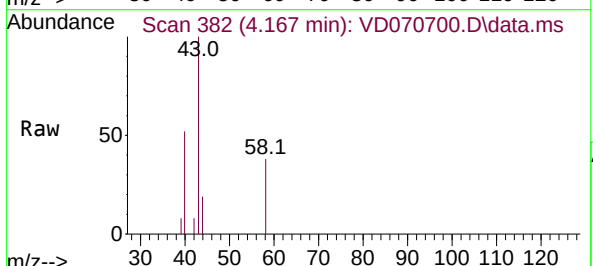
Tgt Ion:	53	Resp:	19376
Ion	Ratio	Lower	Upper
53	100		
52	73.9	64.6	97.0
51	34.5	28.7	43.1

Manual Integrations
APPROVED

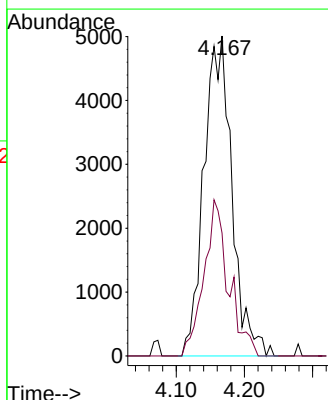
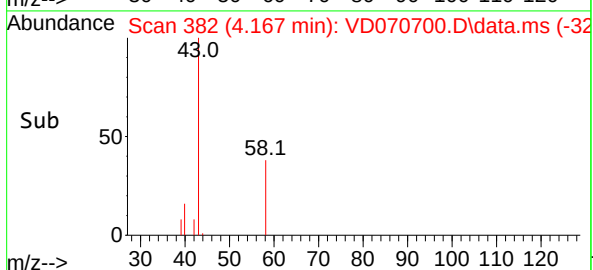
apatel
10/19/2021 12:37:54 PM

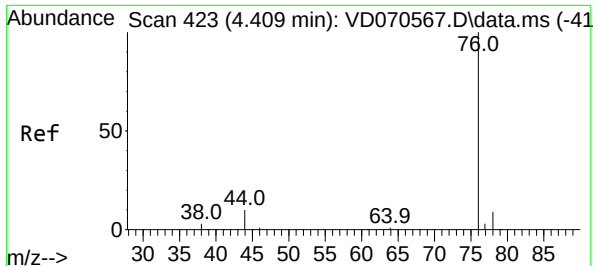


#16
Acetone
Concen: 24.211 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



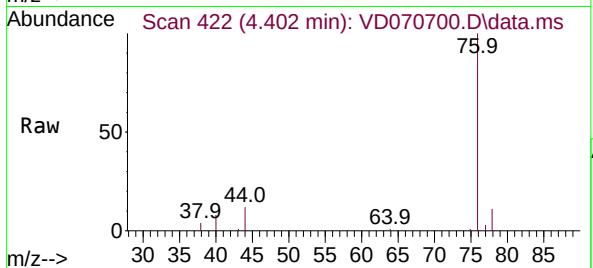
Tgt Ion:	43	Resp:	14269
Ion	Ratio	Lower	Upper
43	100		
58	38.4	28.2	42.2





#17
Carbon Disulfide
Concen: 4.888 ug/l
RT: 4.402 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

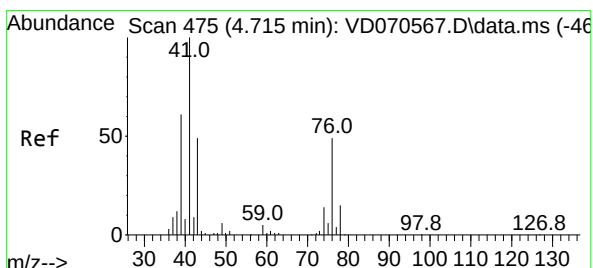
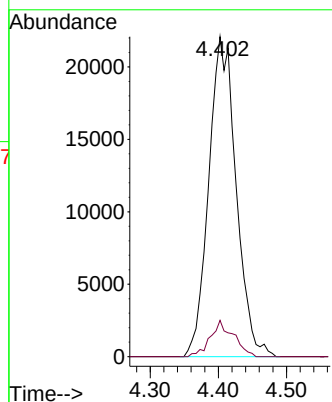
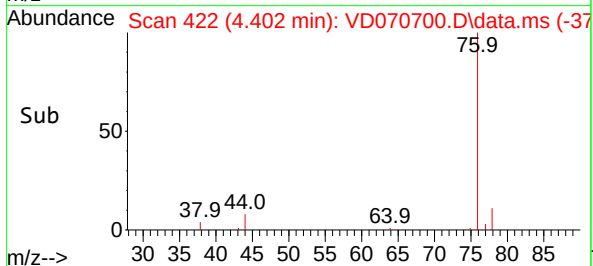
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021



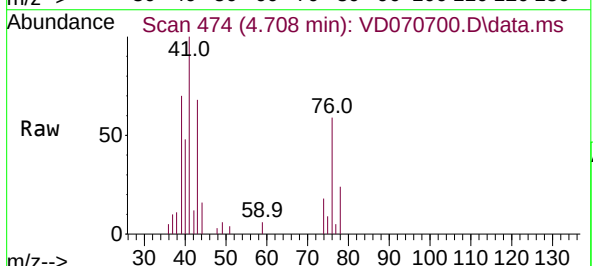
Tgt Ion: 76 Resp: 61757
Ion Ratio Lower Upper
76 100
78 11.4 7.4 11.2#

Manual Integrations
APPROVED

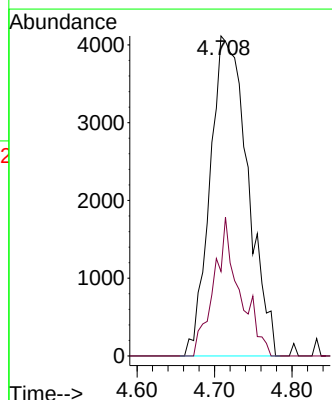
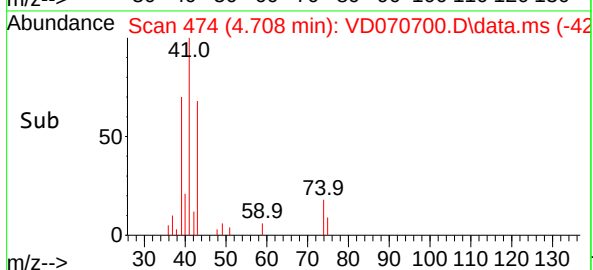
apatel
10/19/2021 12:37:54 PM

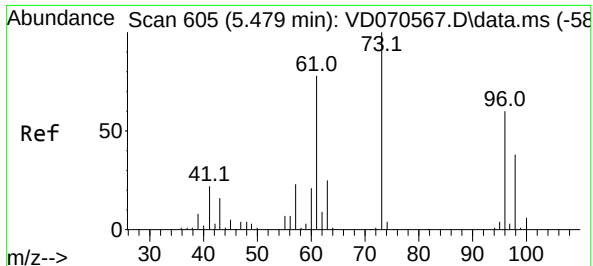


#18
Methyl Acetate
Concen: 6.117 ug/l
RT: 4.708 min Scan# 474
Delta R.T. -0.006 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



Tgt Ion: 43 Resp: 13911
Ion Ratio Lower Upper
43 100
74 29.6 22.6 33.8





#19

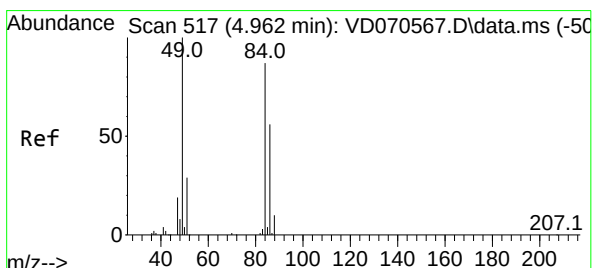
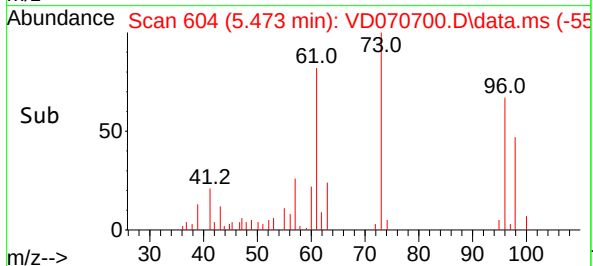
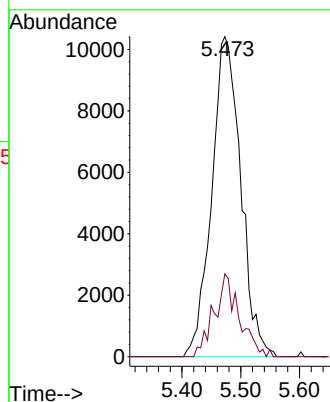
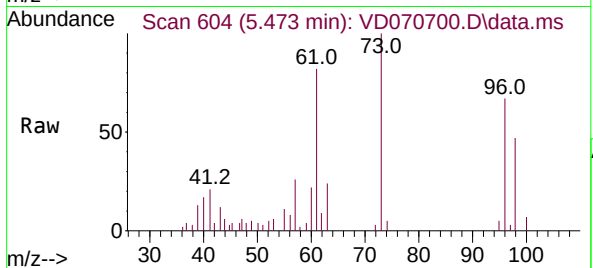
Methyl tert-butyl Ether
 Concen: 5.184 ug/l
 RT: 5.473 min Scan# 604
 Delta R.T. -0.006 min
 Lab File: VD070700.D
 Acq: 13 Oct 2021 16:20

Tgt Ion: 73 Resp: 35741
 Ion Ratio Lower Upper
 73 100
 57 25.8 18.1 27.1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Manual Integrations
 APPROVED

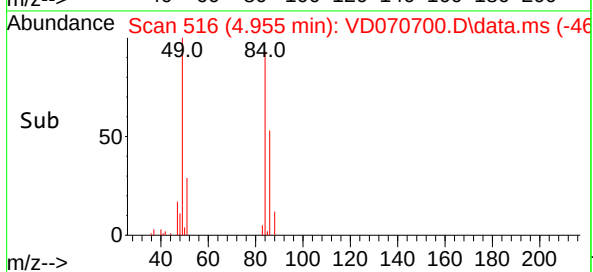
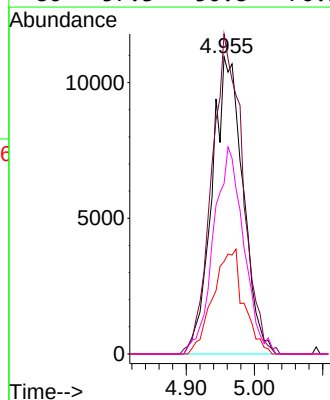
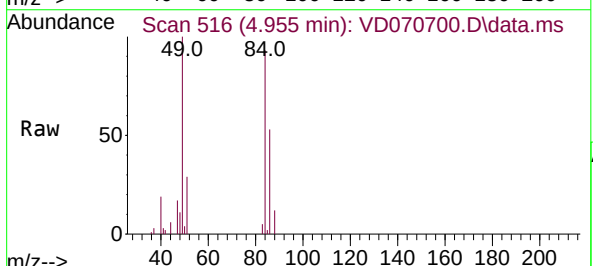
apatel
 10/19/2021 12:37:54 PM

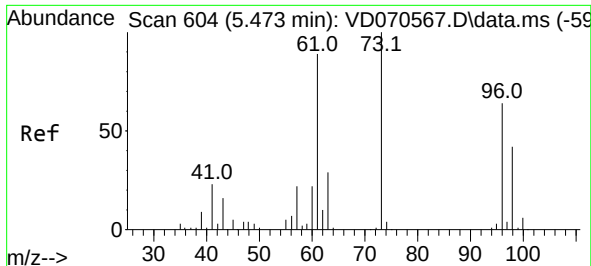


#20

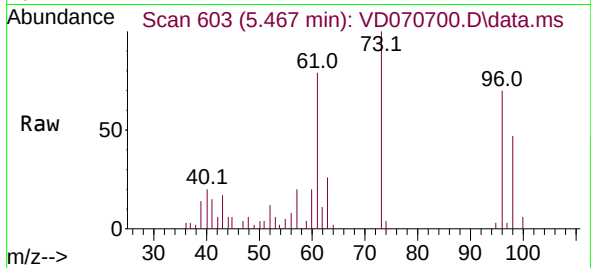
Methylene Chloride
 Concen: 6.308 ug/l
 RT: 4.955 min Scan# 516
 Delta R.T. -0.007 min
 Lab File: VD070700.D
 Acq: 13 Oct 2021 16:20

Tgt Ion: 84 Resp: 34694
 Ion Ratio Lower Upper
 84 100
 49 107.7 91.4 137.2
 51 31.1 26.7 40.1
 86 57.3 50.8 76.2



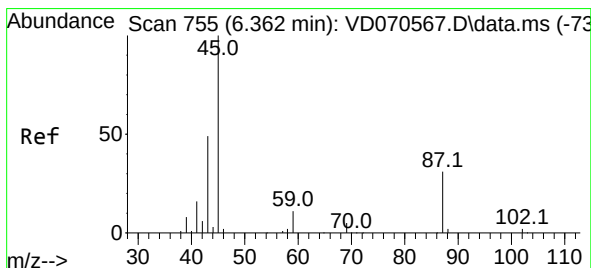
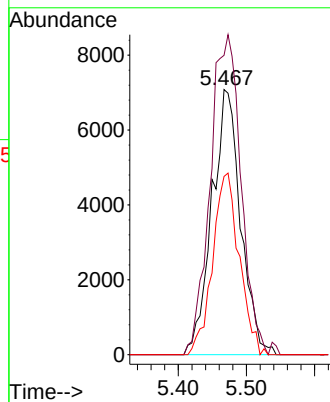
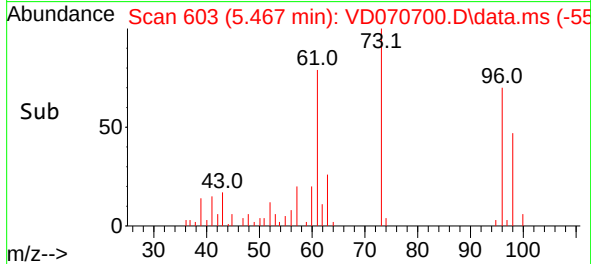


#21
trans-1,2-Dichloroethene
Concen: 5.105 ug/l
RT: 5.467 min Scan# 603
Delta R.T. -0.006 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

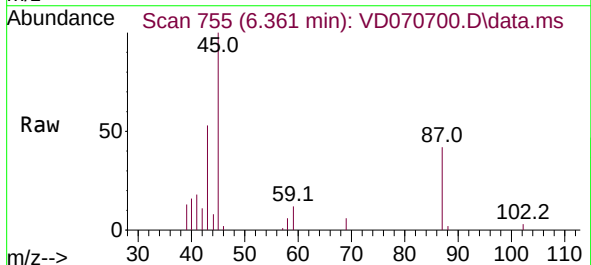


Tgt Ion: 96 Resp: 20782

Ion	Ratio	Lower	Upper
96	100		
61	112.9	111.1	166.7
98	67.2	51.9	77.9

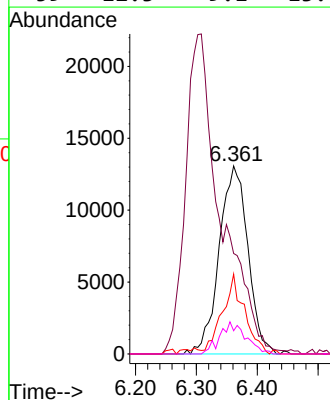
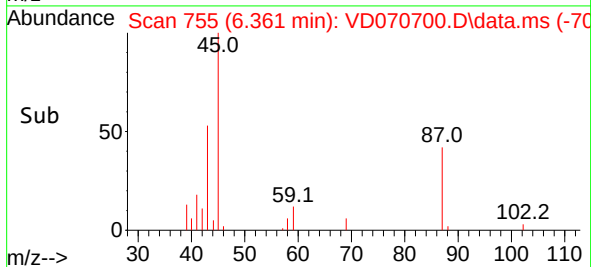


#22
Diisopropyl ether
Concen: 4.320 ug/l
RT: 6.361 min Scan# 755
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



Tgt Ion: 45 Resp: 42748

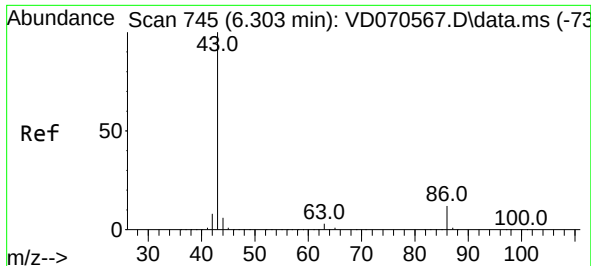
Ion	Ratio	Lower	Upper
45	100		
43	51.5	40.6	61.0
87	42.4	24.6	37.0#
59	12.3	9.1	13.7



Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

apatel
10/19/2021 12:37:54 PM



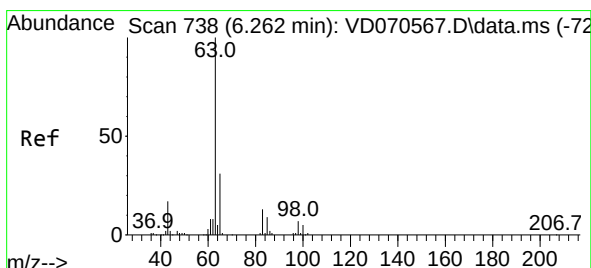
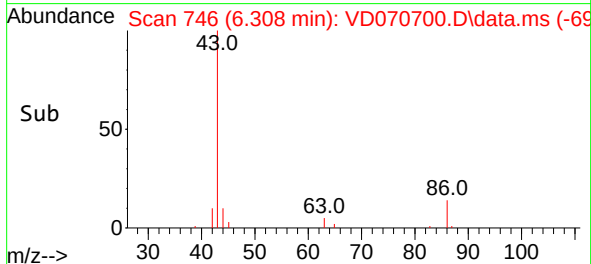
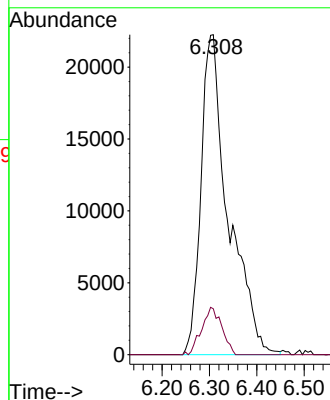
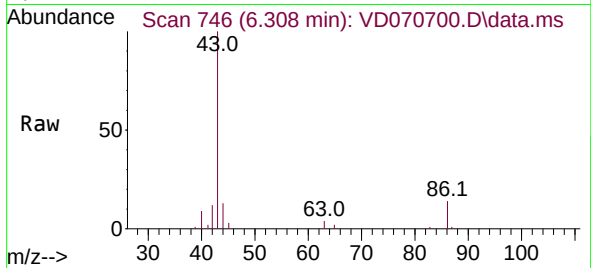
#23
 Vinyl Acetate
 Concen: 19.868 ug/l
 RT: 6.308 min Scan# 746
 Delta R.T. 0.005 min
 Lab File: VD070700.D
 Acq: 13 Oct 2021 16:20

Tgt Ion: 43 Resp: 89392
 Ion Ratio Lower Upper
 43 100
 86 14.4 9.8 14.6

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

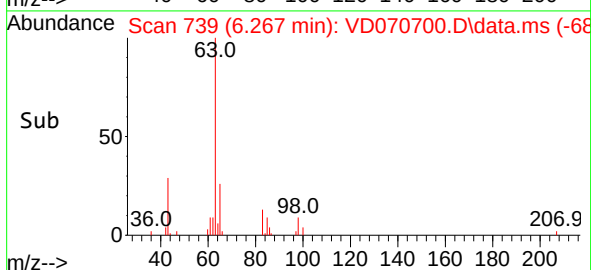
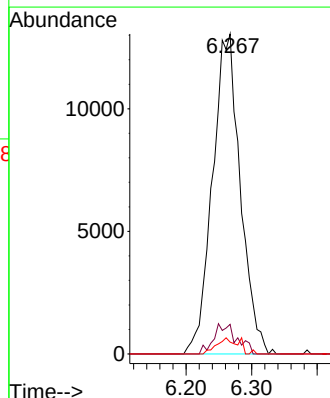
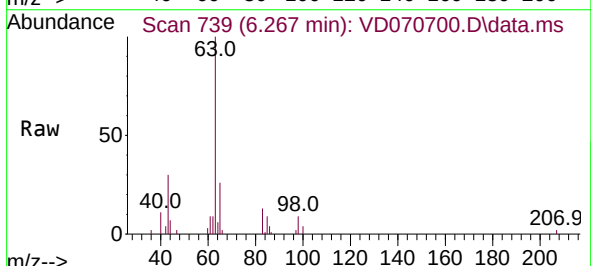
Manual Integrations
 APPROVED

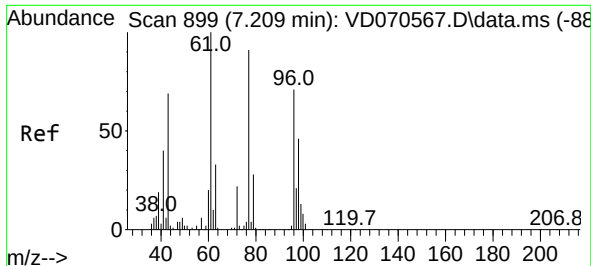
apatel
 10/19/2021 12:37:54 PM



#24
 1,1-Dichloroethane
 Concen: 5.288 ug/l
 RT: 6.267 min Scan# 739
 Delta R.T. 0.005 min
 Lab File: VD070700.D
 Acq: 13 Oct 2021 16:20

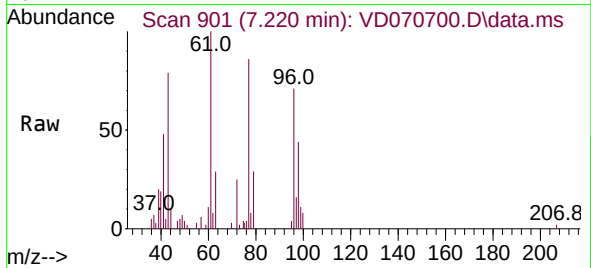
Tgt Ion: 63 Resp: 38548
 Ion Ratio Lower Upper
 63 100
 98 9.2 3.6 10.9
 100 3.7 2.4 7.2





#25
2-Butanone
Concen: 25.315 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.011 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

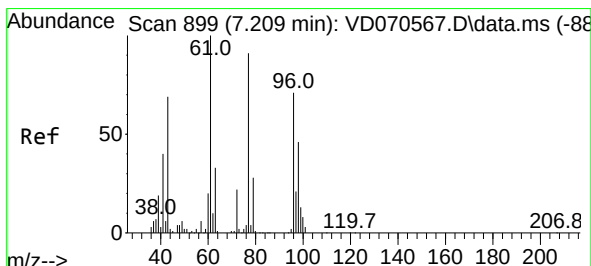
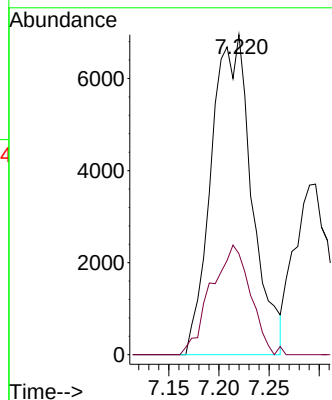
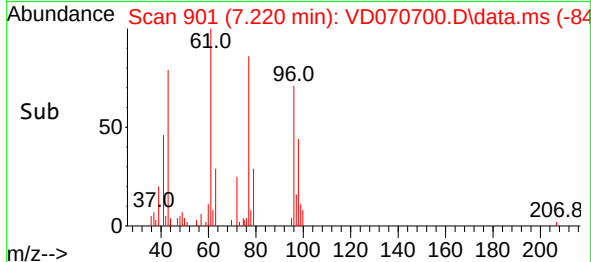
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021



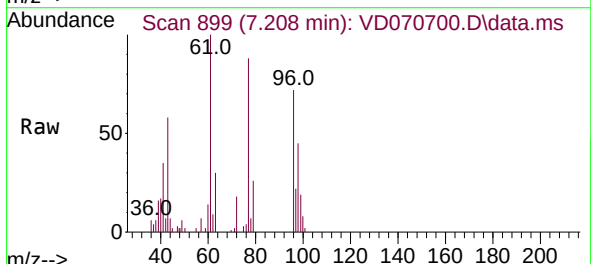
Tgt Ion: 43 Resp: 19534
Ion Ratio Lower Upper
43 100
72 31.6 25.2 37.8

Manual Integrations
APPROVED

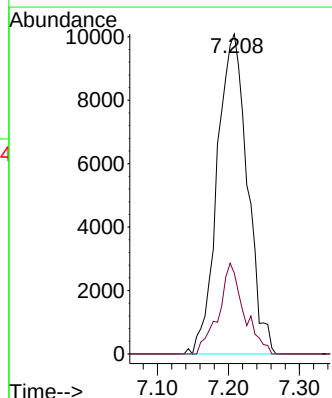
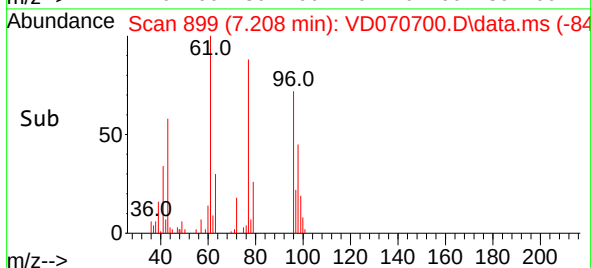
apatel
10/19/2021 12:37:54 PM

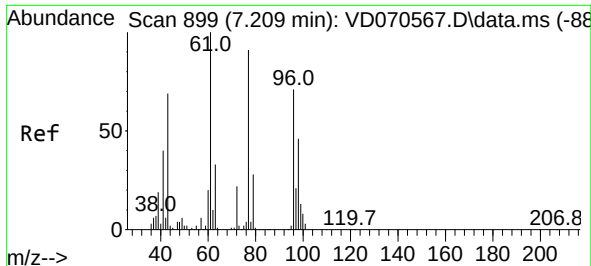


#26
2,2-Dichloropropane
Concen: 4.925 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



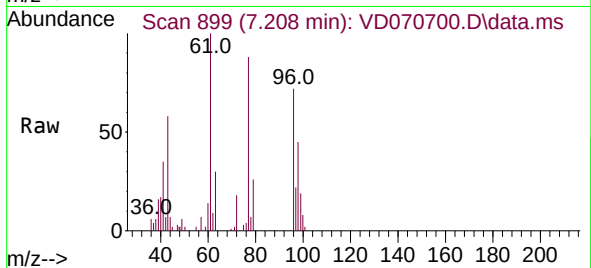
Tgt Ion: 77 Resp: 29711
Ion Ratio Lower Upper
77 100
97 23.8 11.9 35.7





#27
cis-1,2-Dichloroethene
Concen: 5.084 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

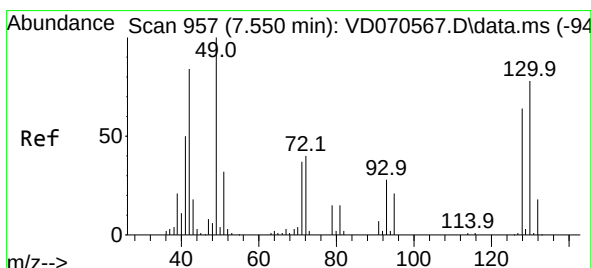
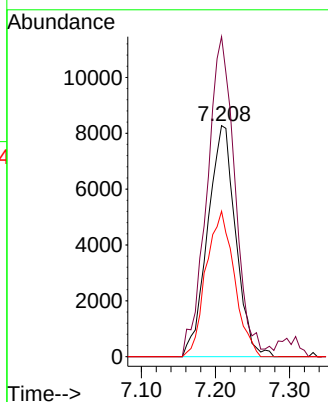
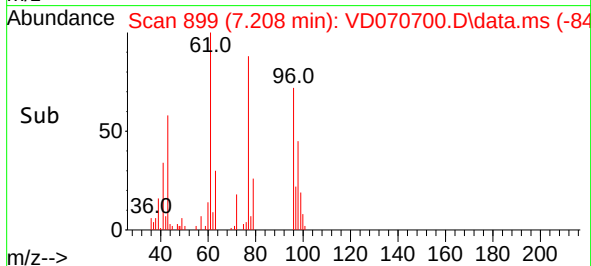
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021



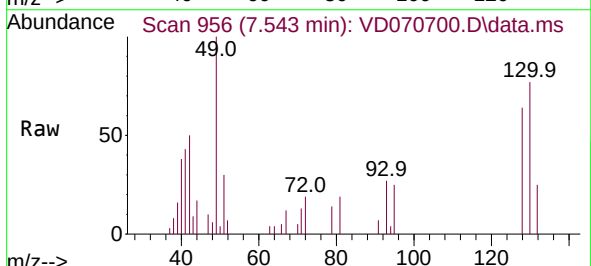
Tgt Ion: 96	Resp: 21747
Ion Ratio	Lower Upper
96 100	
61 137.5	0.0 278.2
98 63.3	0.0 128.6

Manual Integrations
APPROVED

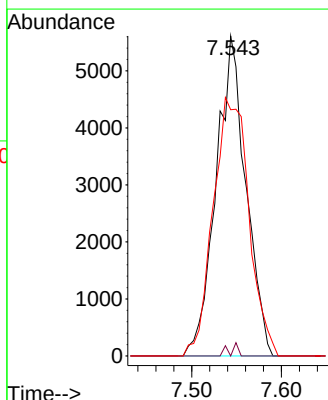
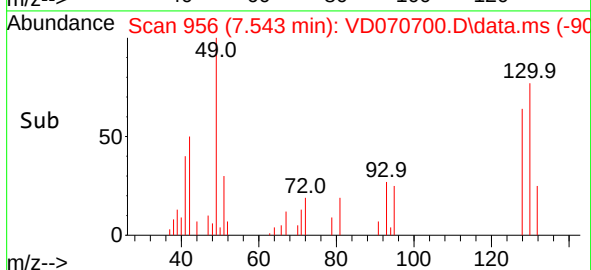
apatel
10/19/2021 12:37:54 PM

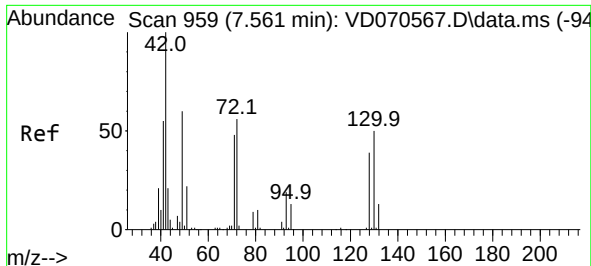


#28
Bromochloromethane
Concen: 5.116 ug/l
RT: 7.543 min Scan# 956
Delta R.T. -0.006 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



Tgt Ion: 49	Resp: 12983
Ion Ratio	Lower Upper
49 100	
129 0.5	0.0 4.8
130 96.4	62.4 93.6#





#29

Tetrahydrofuran

Concen: 25.207 ug/l

RT: 7.561 min Scan# 959

Delta R.T. -0.000 min

Lab File: VD070700.D

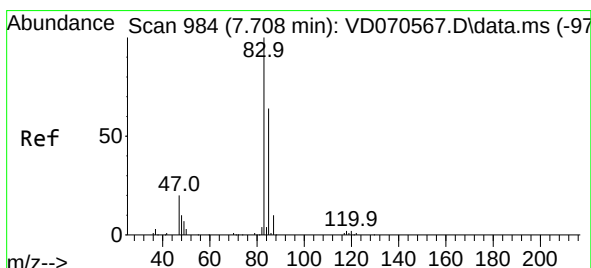
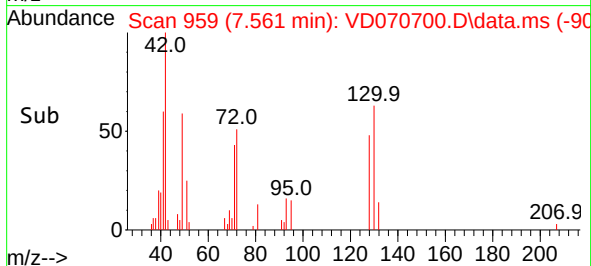
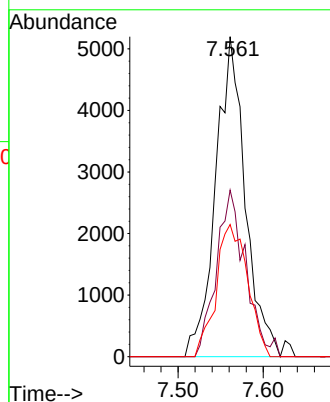
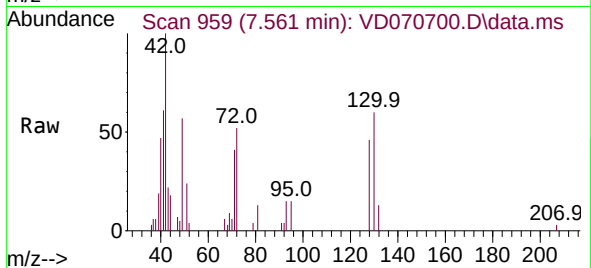
Acq: 13 Oct 2021 16:20

Tgt Ion:	42	Resp:	12537
Ion	Ratio	Lower	Upper
42	100		
72	51.6	40.2	60.4
71	44.0	37.2	55.8

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

apatel
10/19/2021 12:37:54 PM



#30

Chloroform

Concen: 5.375 ug/l

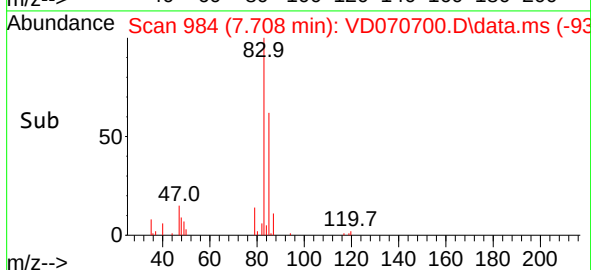
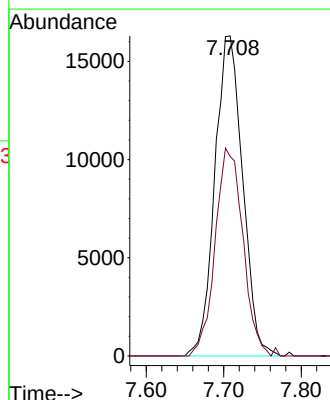
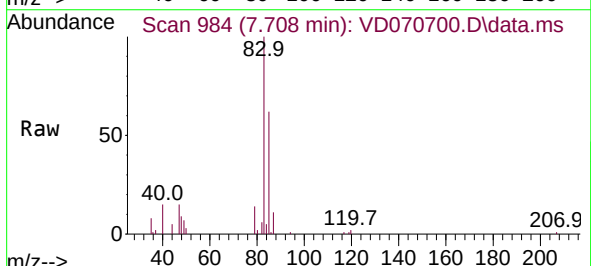
RT: 7.708 min Scan# 984

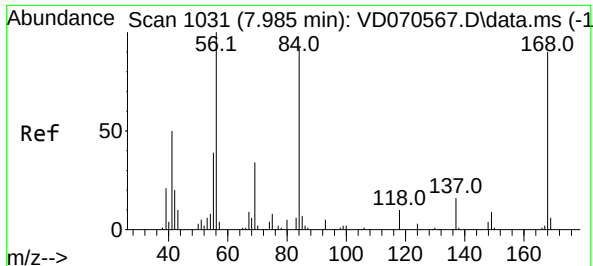
Delta R.T. -0.000 min

Lab File: VD070700.D

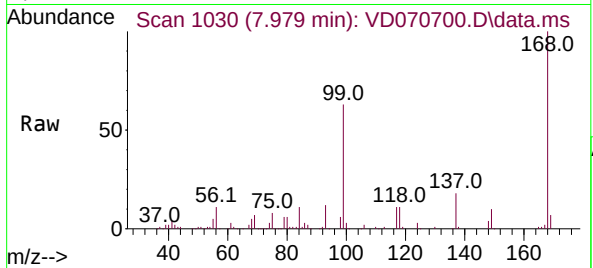
Acq: 13 Oct 2021 16:20

Tgt Ion:	83	Resp:	40751
Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.2	76.8

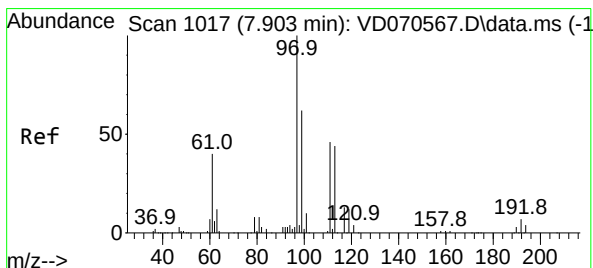
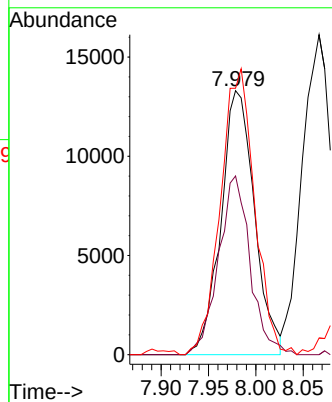
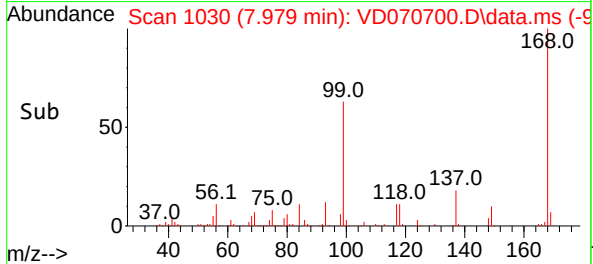




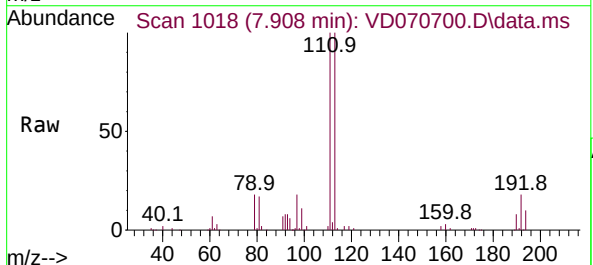
#31
Cyclohexane
Concen: 5.109 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



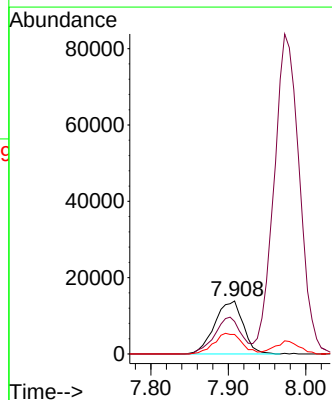
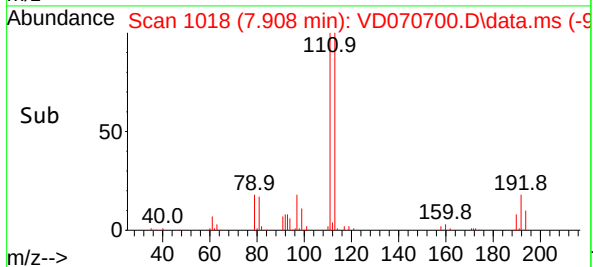
Tgt Ion: 56 Resp: 32832
Ion Ratio Lower Upper
56 100
69 67.7 27.4 41.2#
84 100.9 73.6 110.4



#32
1,1,1-Trichloroethane
Concen: 5.418 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.005 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



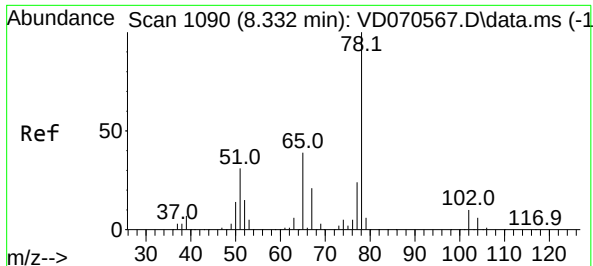
Tgt Ion: 97 Resp: 35384
Ion Ratio Lower Upper
97 100
99 66.1 50.7 76.1
61 38.0 32.5 48.7



Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

apatel
10/19/2021 12:37:54 PM



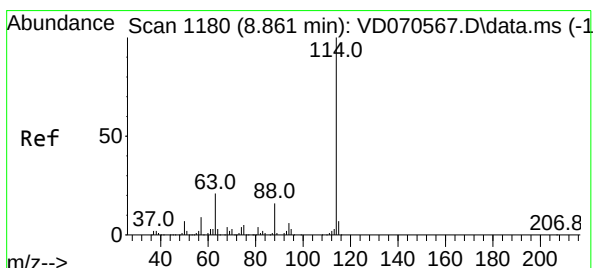
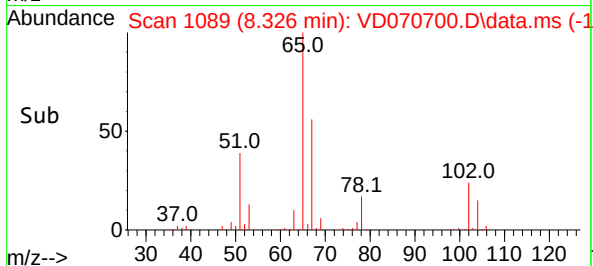
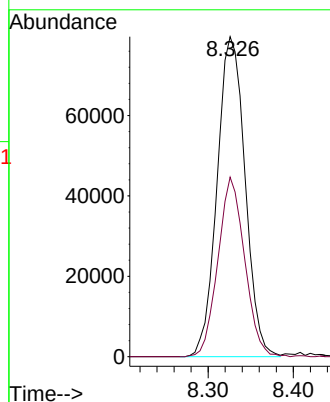
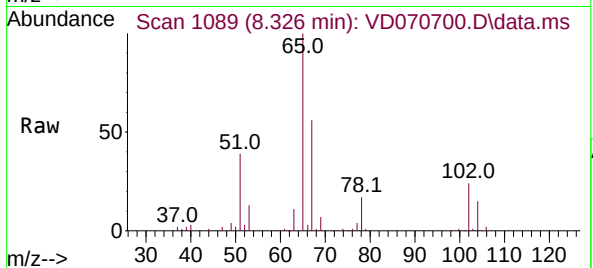
#33
1,2-Dichloroethane-d4
Concen: 52.338 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion: 65 Resp: 181646
Ion Ratio Lower Upper
65 100
67 53.5 0.0 110.2

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

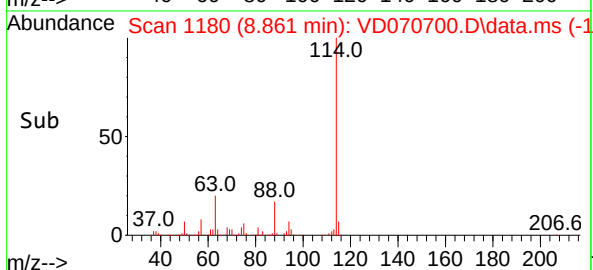
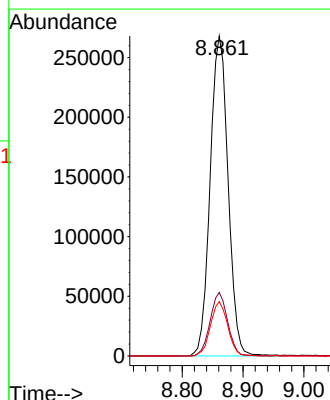
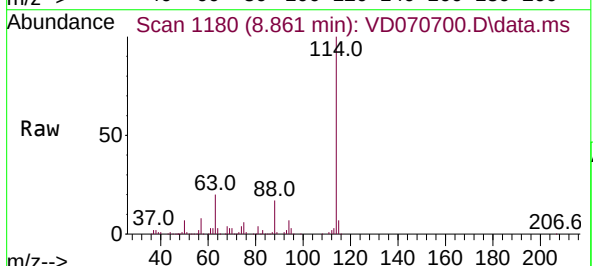
Manual Integrations
APPROVED

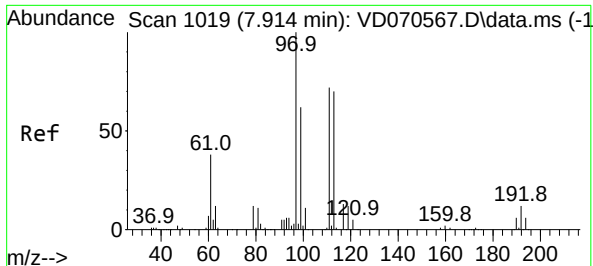
apatel
10/19/2021 12:37:54 PM



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion: 114 Resp: 548397
Ion Ratio Lower Upper
114 100
63 19.9 0.0 41.8
88 17.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.404 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD070700.D

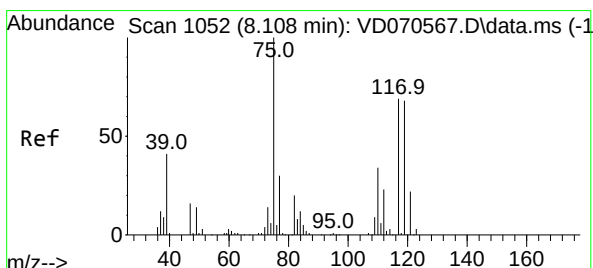
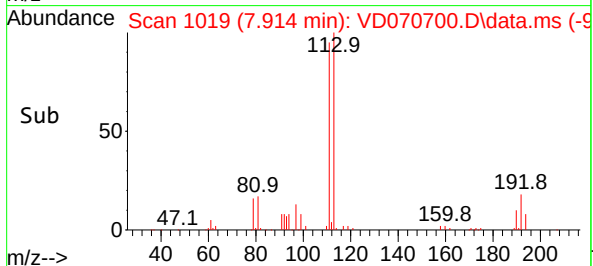
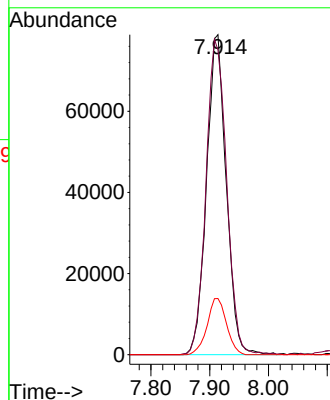
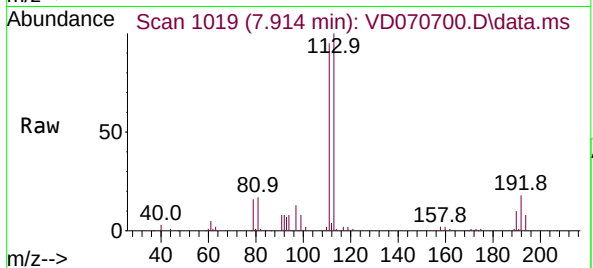
Acq: 13 Oct 2021 16:20

Tgt Ion:	113	Resp:	183777
Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.1	124.7
192	17.3	12.7	19.1

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

apatel
10/19/2021 12:37:54 PM



#36

1,1-Dichloropropene

Concen: 4.621 ug/l

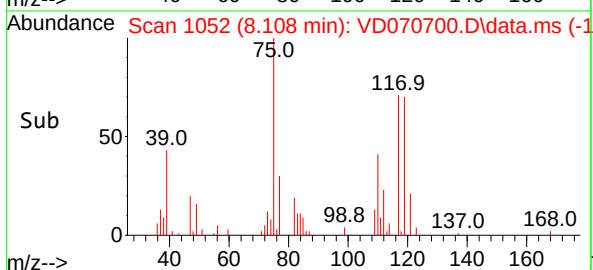
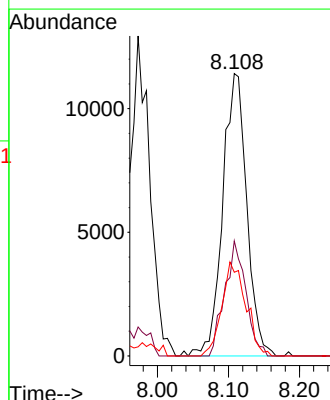
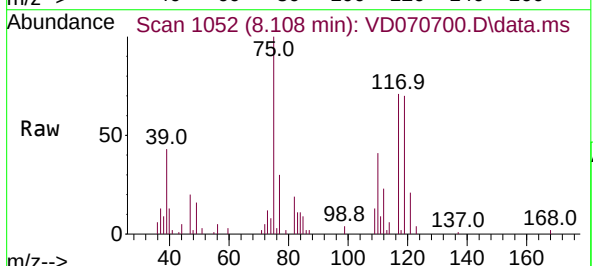
RT: 8.108 min Scan# 1052

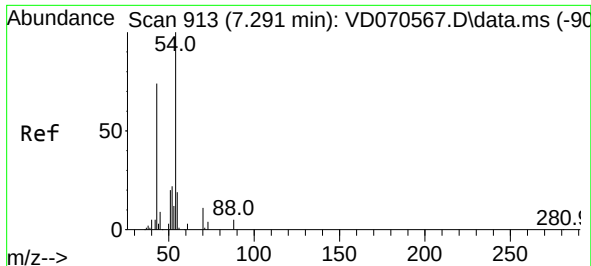
Delta R.T. -0.000 min

Lab File: VD070700.D

Acq: 13 Oct 2021 16:20

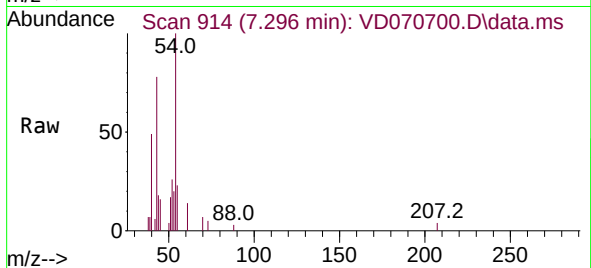
Tgt Ion:	75	Resp:	26915
Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.2	51.6
77	33.1	24.2	36.4





#37
Ethyl Acetate
Concen: 4.822 ug/l
RT: 7.296 min Scan# 914
Delta R.T. 0.005 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

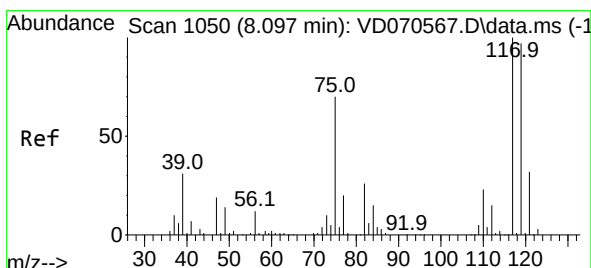
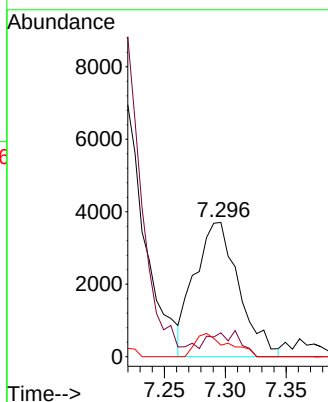
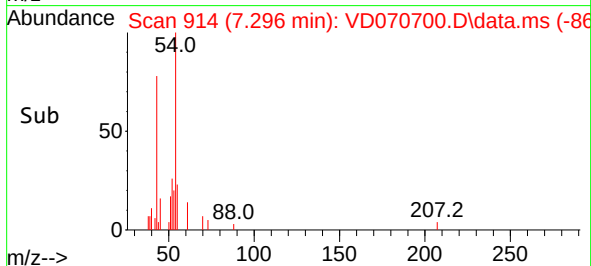
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021



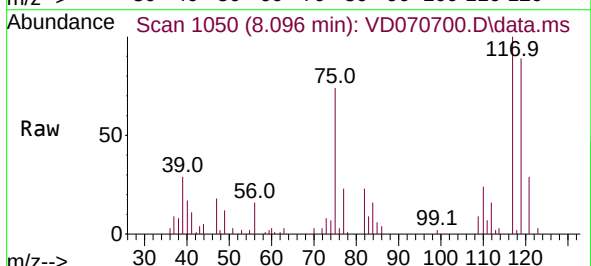
Tgt Ion: 43 Resp: 9331
Ion Ratio Lower Upper
43 100
61 15.3 12.9 19.3
70 0.0 9.9 14.9#

Manual Integrations
APPROVED

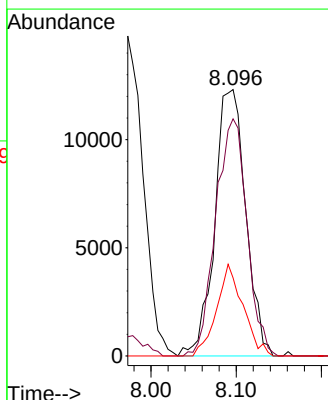
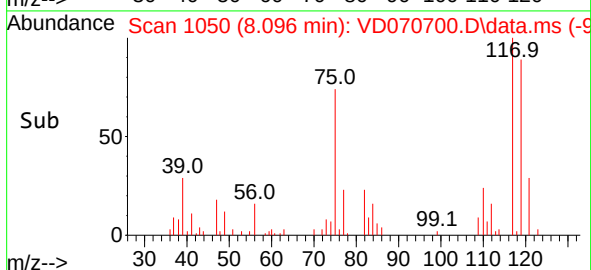
apatel
10/19/2021 12:37:54 PM

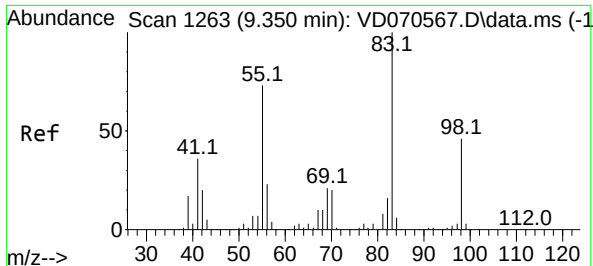


#38
Carbon Tetrachloride
Concen: 5.112 ug/l
RT: 8.096 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



Tgt Ion: 117 Resp: 31157
Ion Ratio Lower Upper
117 100
119 89.0 77.4 116.0
121 29.3 25.4 38.0





#39

Methylcyclohexane

Concen: 4.341 ug/l

RT: 9.349 min Scan# 1263

Delta R.T. -0.000 min

Lab File: VD070700.D

Acq: 13 Oct 2021 16:20

Tgt Ion:	83	Resp:	29075
Ion	Ratio	Lower	Upper
83	100		
55	81.6	58.2	87.4
98	45.7	36.9	55.3

Instrument :

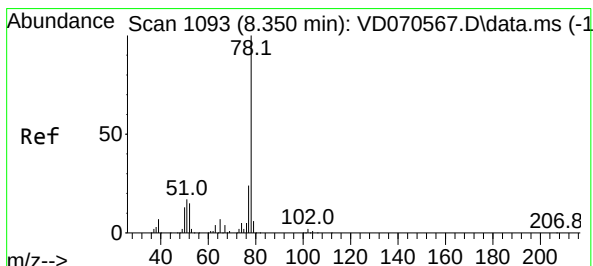
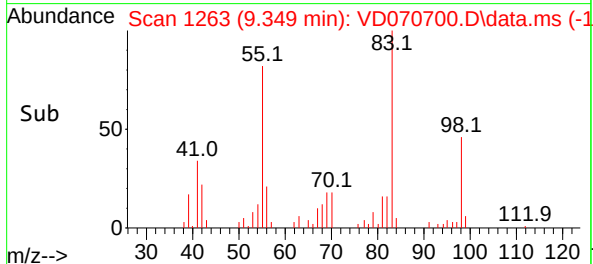
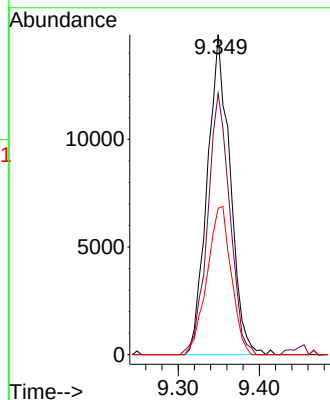
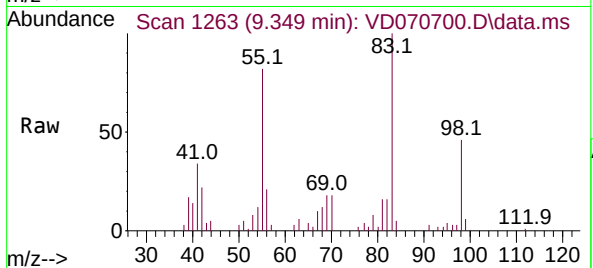
MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

apatel
10/19/2021 12:37:54 PM



#40

Benzene

Concen: 5.077 ug/l

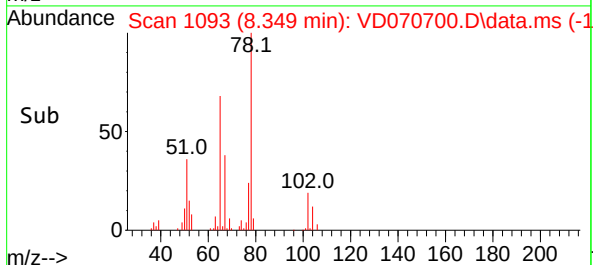
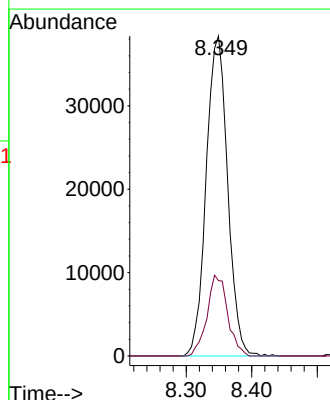
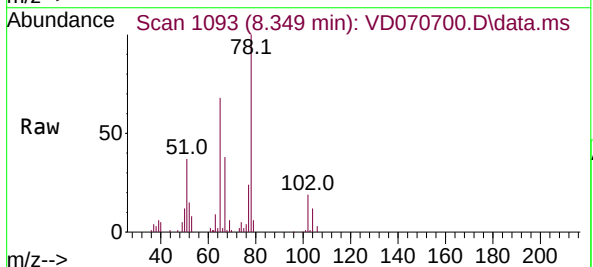
RT: 8.349 min Scan# 1093

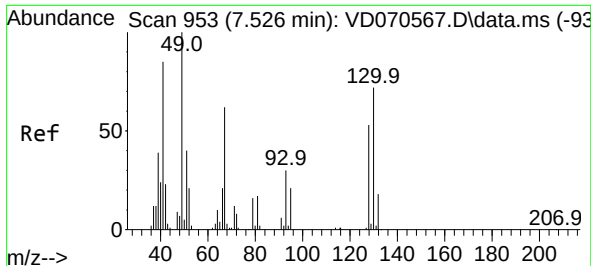
Delta R.T. -0.000 min

Lab File: VD070700.D

Acq: 13 Oct 2021 16:20

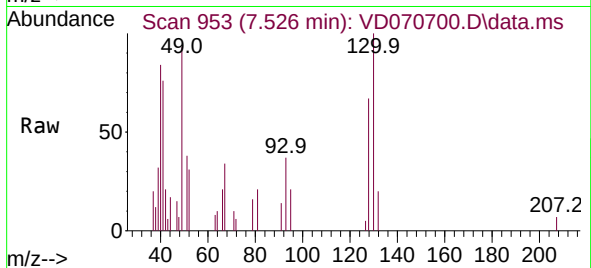
Tgt Ion:	78	Resp:	87148
Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3





#41
Methacrylonitrile
Concen: 4.382 ug/l
RT: 7.526 min Scan# 953
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

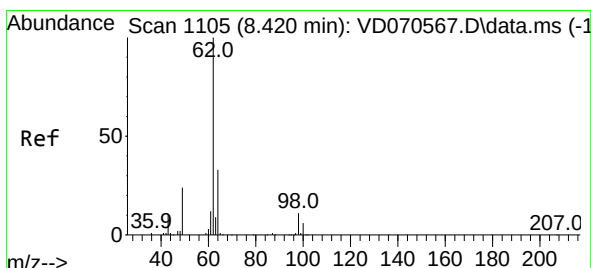
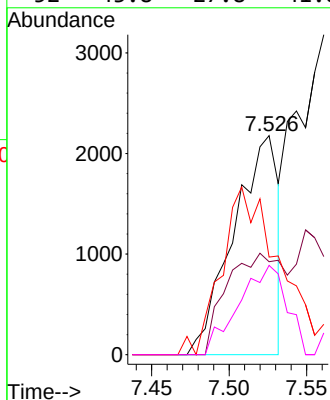
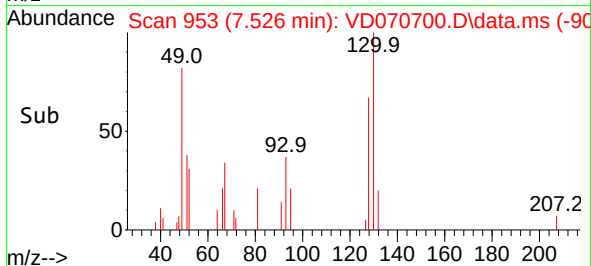
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021



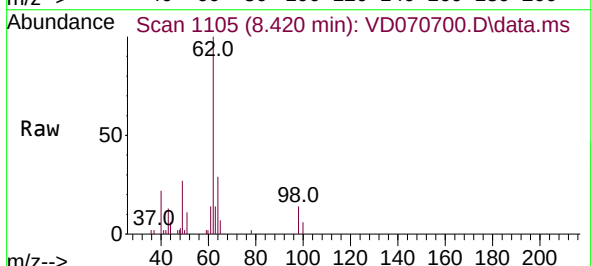
Tgt Ion:	41	Resp:	4373
Ion	Ratio	Lower	Upper
41	100		
39	59.4	45.2	67.8
67	100.2	75.8	113.6
52	43.8	27.8	41.8#

Manual Integrations
APPROVED

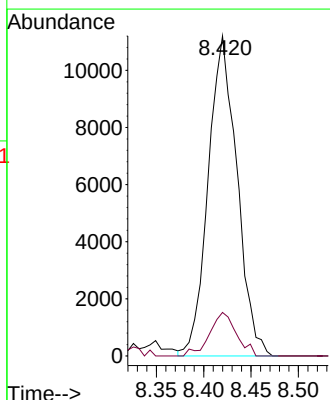
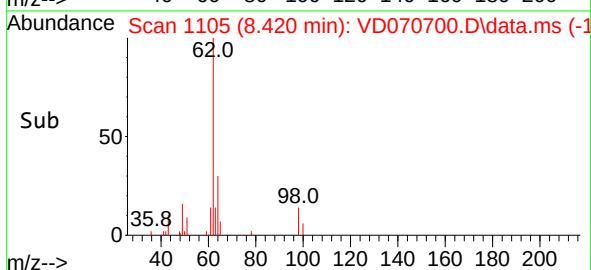
apatel
10/19/2021 12:37:54 PM

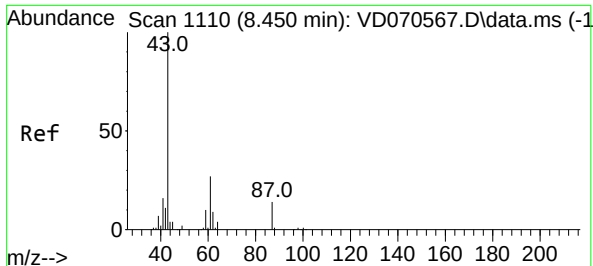


#42
1,2-Dichloroethane
Concen: 5.352 ug/l
RT: 8.420 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



Tgt Ion:	62	Resp:	23759
Ion	Ratio	Lower	Upper
62	100		
98	12.6	0.0	22.0





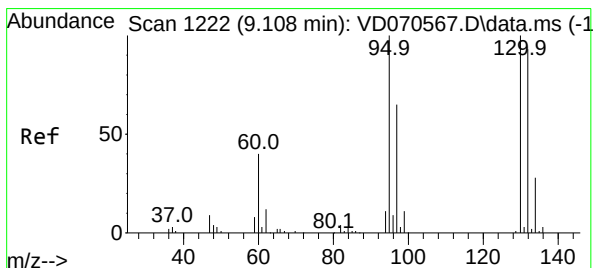
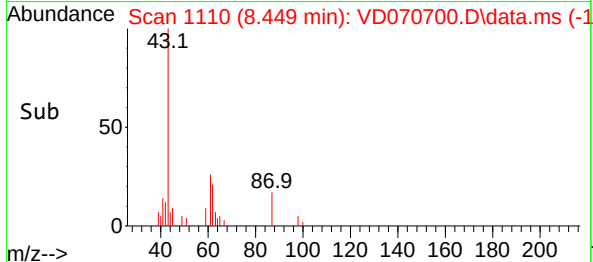
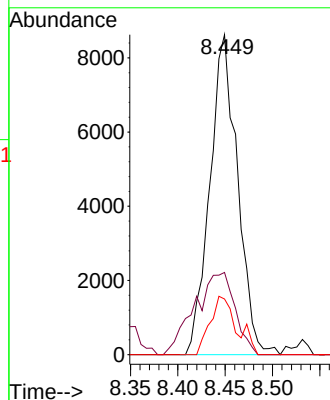
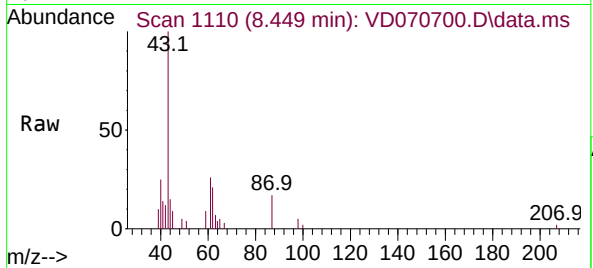
#43
Isopropyl Acetate
Concen: 4.956 ug/l
RT: 8.449 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion:	43	Resp:	17573
Ion	Ratio	Lower	Upper
43	100		
61	37.4	29.0	43.4
87	17.4	11.8	17.6

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

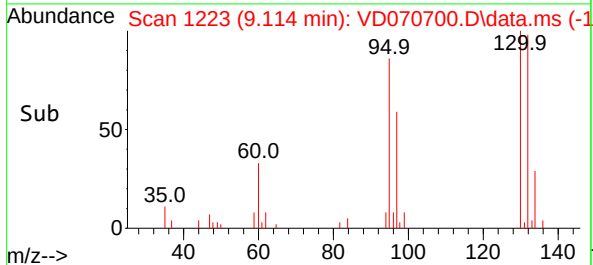
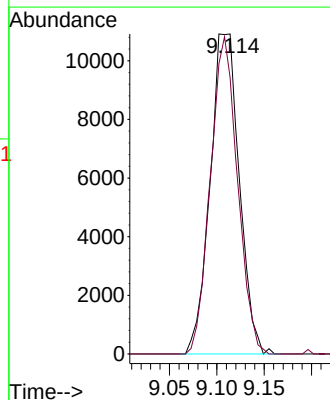
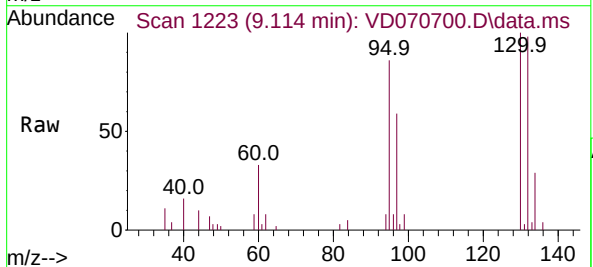
Manual Integrations
APPROVED

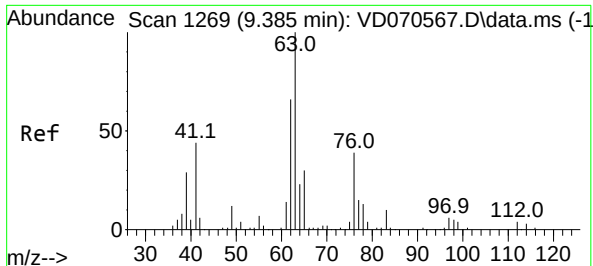
apatel
10/19/2021 12:37:54 PM



#44
Trichloroethene
Concen: 5.539 ug/l
RT: 9.114 min Scan# 1223
Delta R.T. 0.005 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion:	130	Resp:	23448
Ion	Ratio	Lower	Upper
130	100		
95	86.4	0.0	200.8





#45

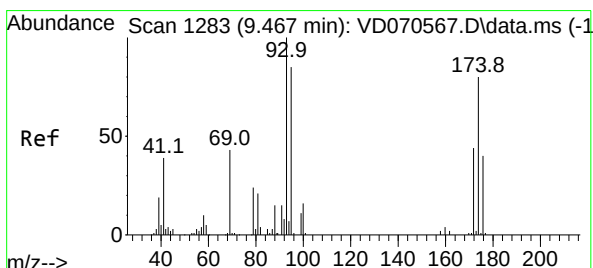
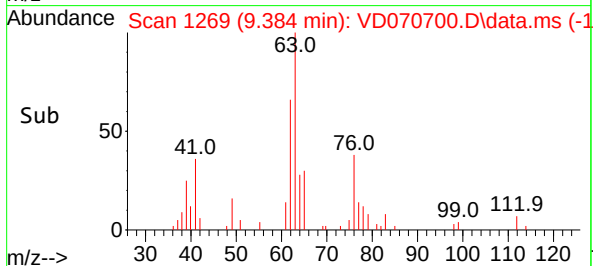
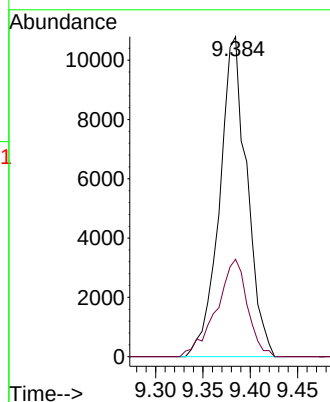
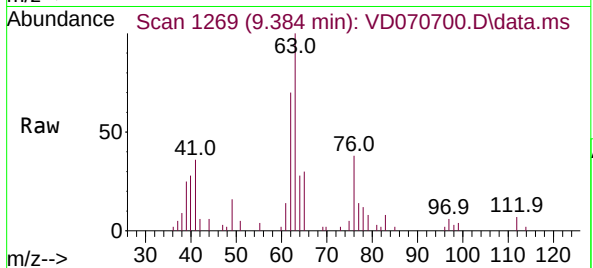
1,2-Dichloropropane
Concen: 4.961 ug/l
RT: 9.384 min Scan# 1269
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion: 63 Resp: 21733
Ion Ratio Lower Upper
63 100
65 30.5 23.8 35.8

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

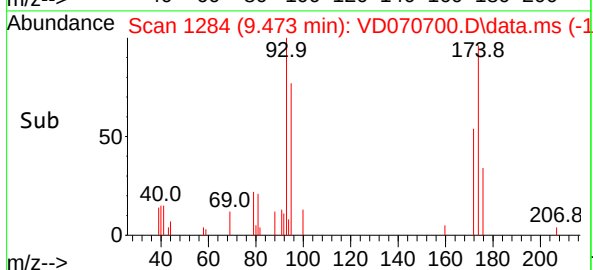
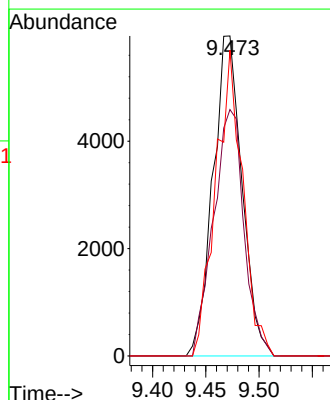
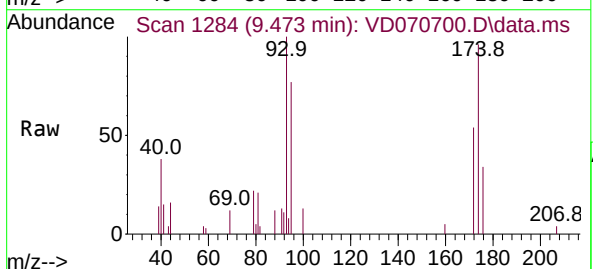
apatel
10/19/2021 12:37:54 PM

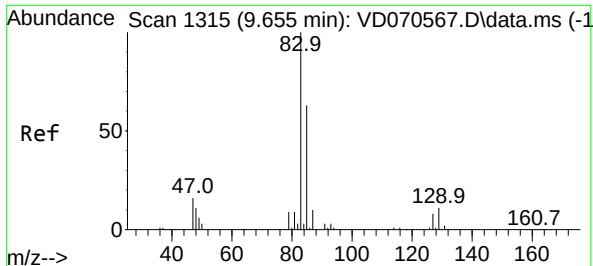


#46

Dibromomethane
Concen: 5.024 ug/l
RT: 9.473 min Scan# 1284
Delta R.T. 0.005 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

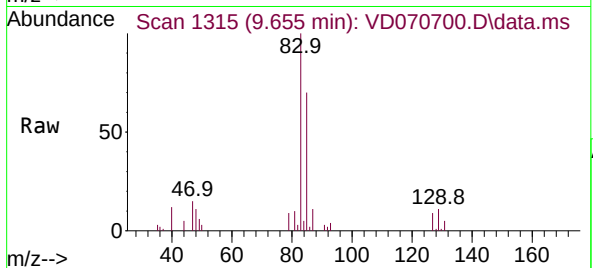
Tgt Ion: 93 Resp: 11297
Ion Ratio Lower Upper
93 100
95 80.9 66.5 99.7
174 88.5 66.7 100.1





#47
Bromodichloromethane
Concen: 5.114 ug/l
RT: 9.655 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

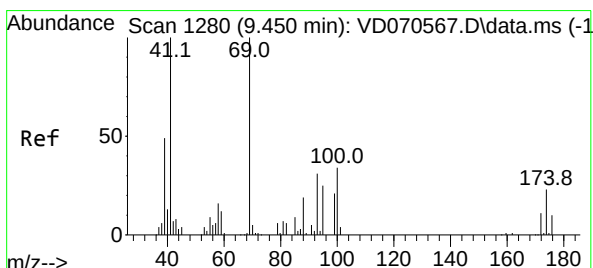
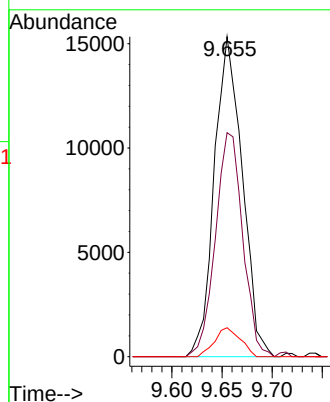
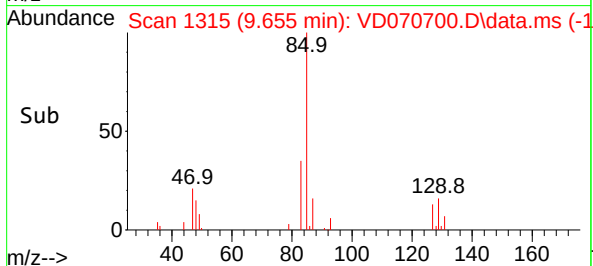
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021



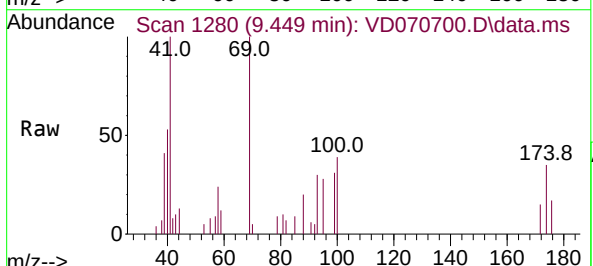
Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.0	50.7	76.1
127	9.1	6.5	9.7

Manual Integrations
APPROVED

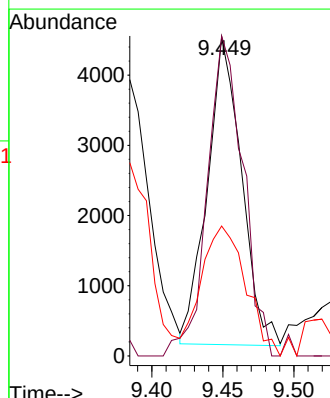
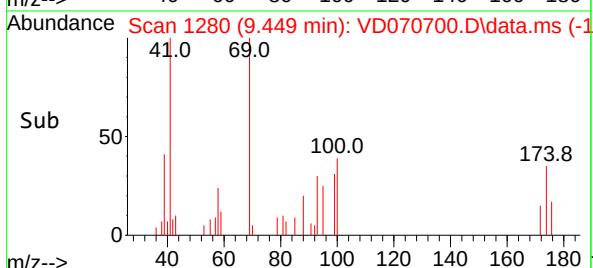
apatel
10/19/2021 12:37:54 PM

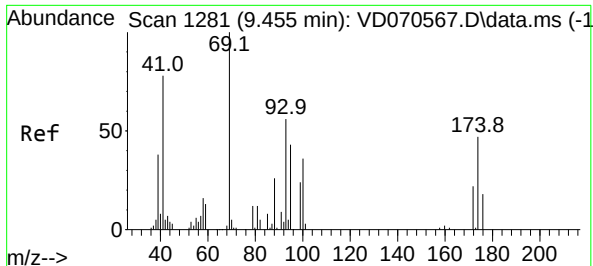


#48
Methyl methacrylate
Concen: 4.412 ug/l
RT: 9.449 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



Tgt Ion	Ratio	Lower	Upper
41	100		
69	108.9	78.5	117.7
39	55.0	34.9	52.3





#49

1,4-Dioxane

Concen: 110.337 ug/l

RT: 9.461 min Scan# 1282

Delta R.T. 0.005 min

Lab File: VD070700.D

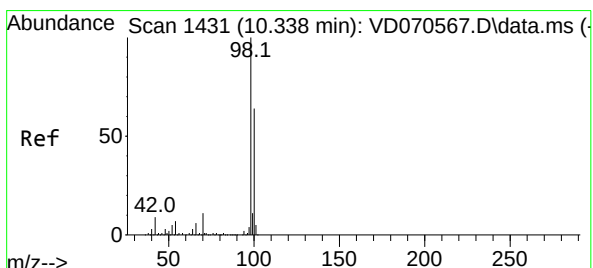
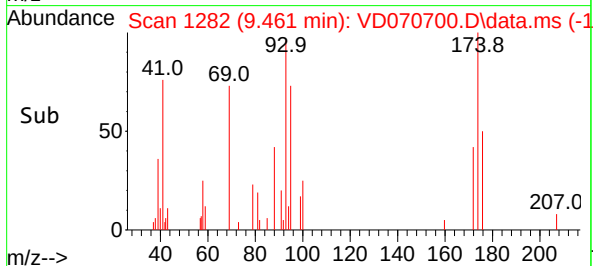
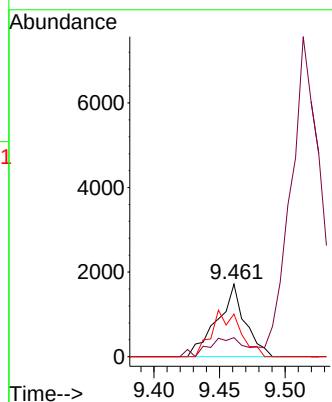
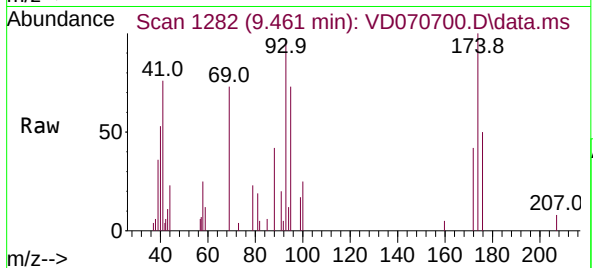
Acq: 13 Oct 2021 16:20

Tgt Ion:	88	Resp:	2521
Ion	Ratio	Lower	Upper
88	100		
43	33.5	25.1	37.7
58	65.6	57.4	86.0

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

apatel
10/19/2021 12:37:54 PM



#50

Toluene-d8

Concen: 49.485 ug/l

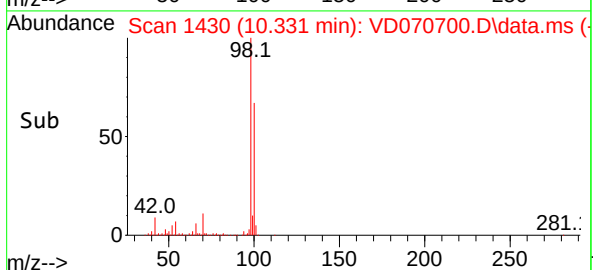
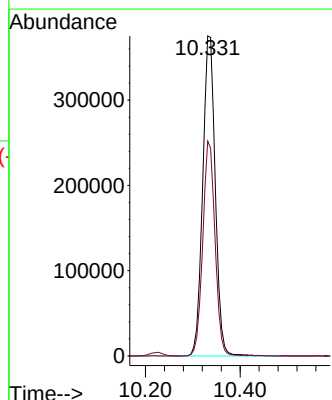
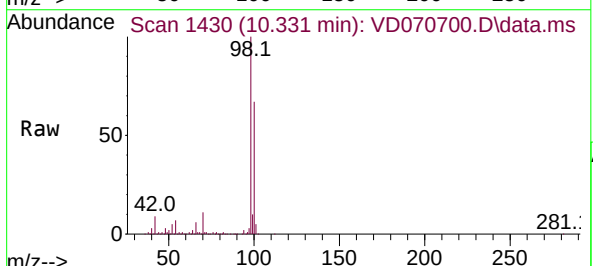
RT: 10.331 min Scan# 1430

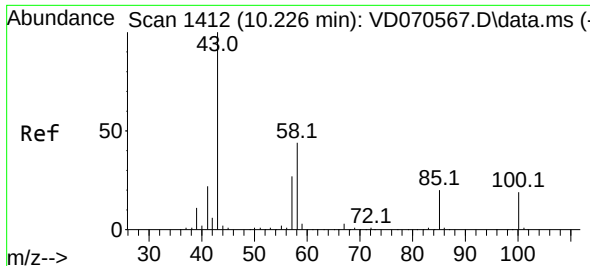
Delta R.T. -0.006 min

Lab File: VD070700.D

Acq: 13 Oct 2021 16:20

Tgt Ion:	98	Resp:	689747
Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.2	78.4





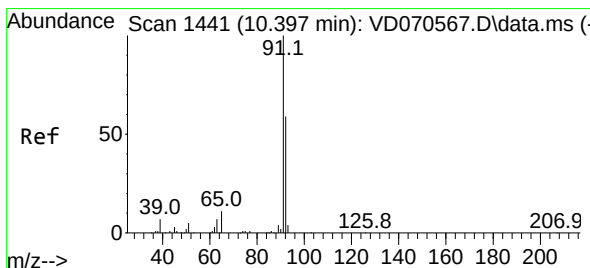
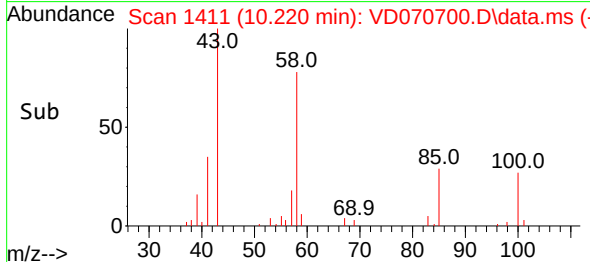
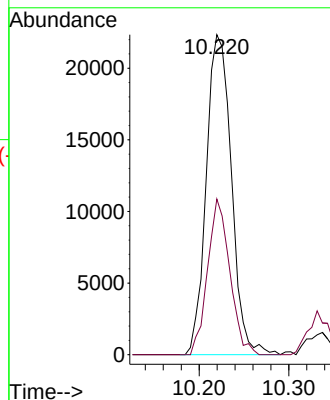
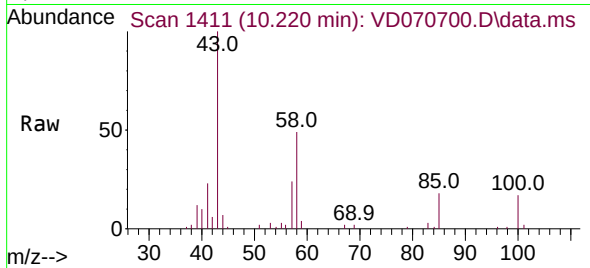
#51
4-Methyl-2-Pentanone
Concen: 23.791 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion: 43 Resp: 43521
Ion Ratio Lower Upper
43 100
58 42.9 35.0 52.6

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

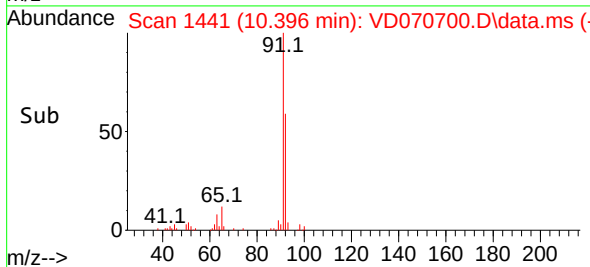
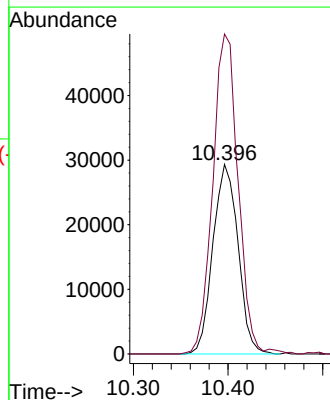
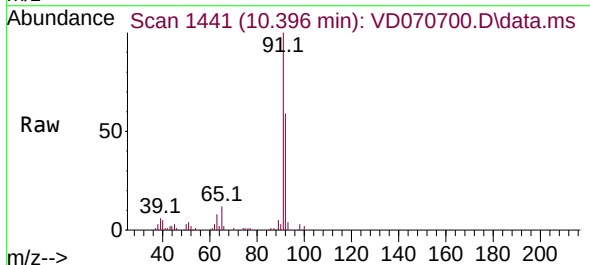
Manual Integrations
APPROVED

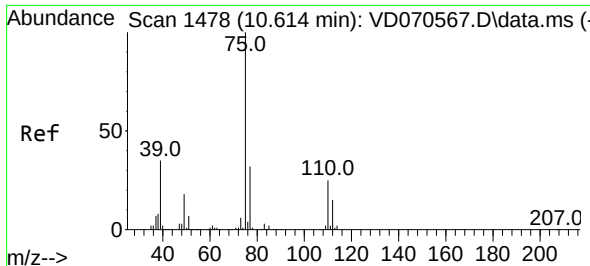
apatel
10/19/2021 12:37:54 PM



#52
Toluene
Concen: 5.126 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion: 92 Resp: 54062
Ion Ratio Lower Upper
92 100
91 170.5 136.3 204.5





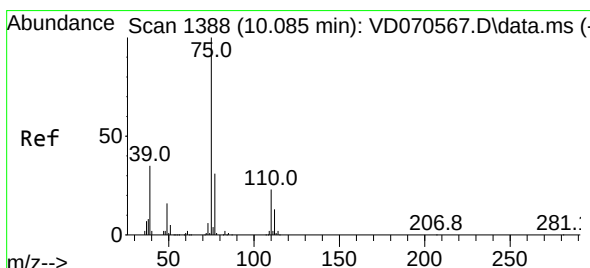
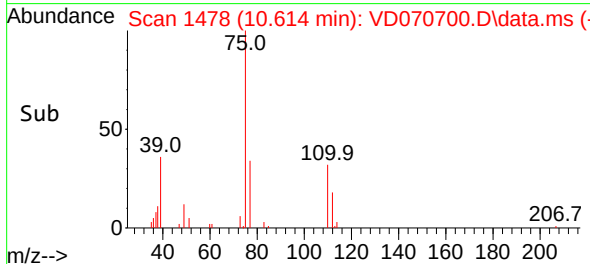
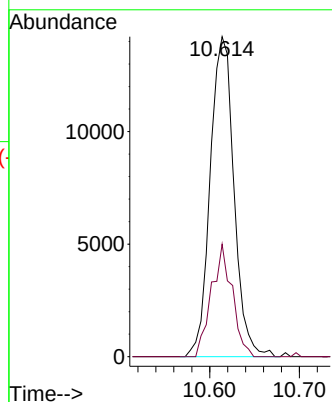
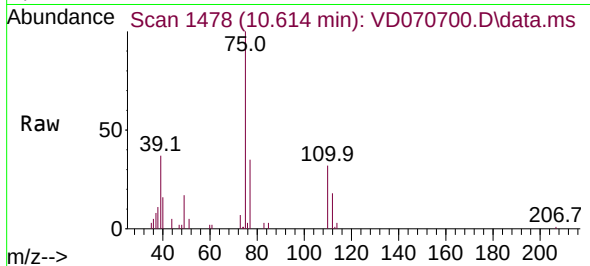
#53
 t-1,3-Dichloropropene
 Concen: 5.146 ug/l
 RT: 10.614 min Scan# 1478
 Delta R.T. -0.000 min
 Lab File: VD070700.D
 Acq: 13 Oct 2021 16:20

Tgt Ion: 75 Resp: 26136
 Ion Ratio Lower Upper
 75 100
 77 35.1 25.5 38.3

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

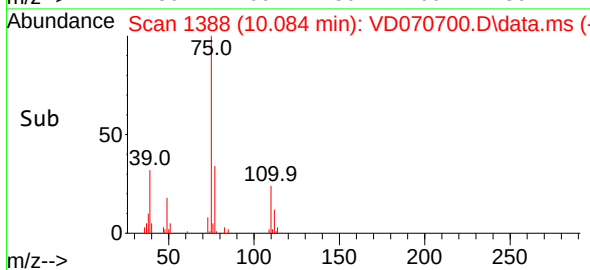
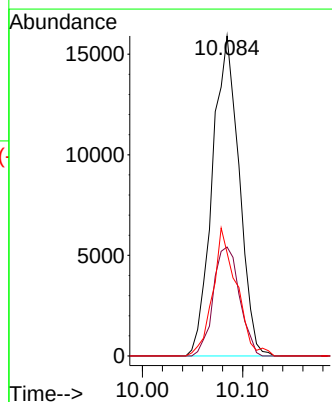
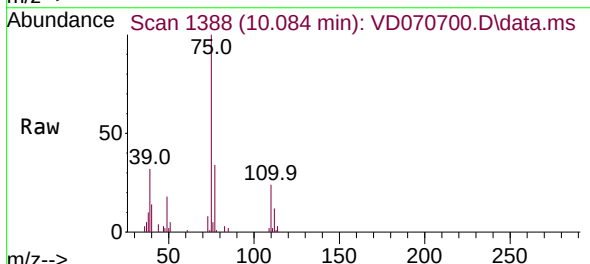
Manual Integrations
 APPROVED

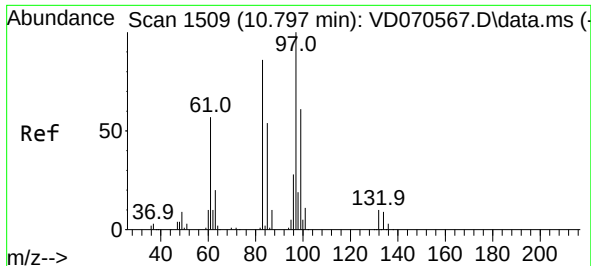
apatel
 10/19/2021 12:37:54 PM



#54
 cis-1,3-Dichloropropene
 Concen: 4.823 ug/l
 RT: 10.084 min Scan# 1388
 Delta R.T. -0.000 min
 Lab File: VD070700.D
 Acq: 13 Oct 2021 16:20

Tgt Ion: 75 Resp: 29490
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.2 37.8
 39 32.3 27.8 41.6





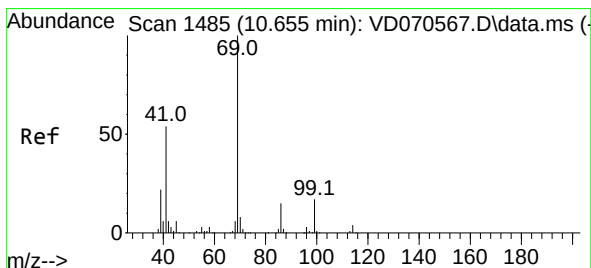
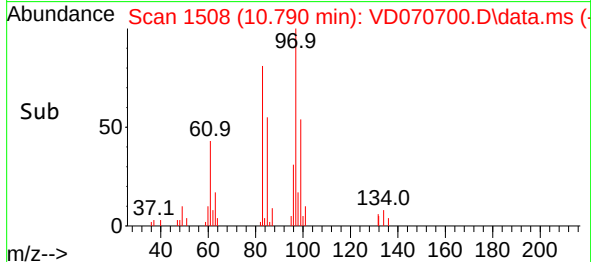
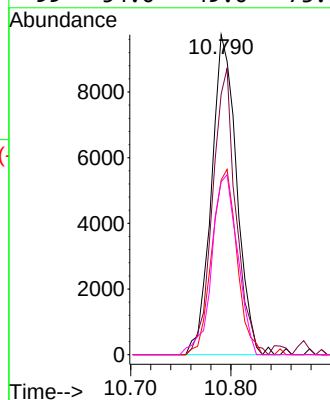
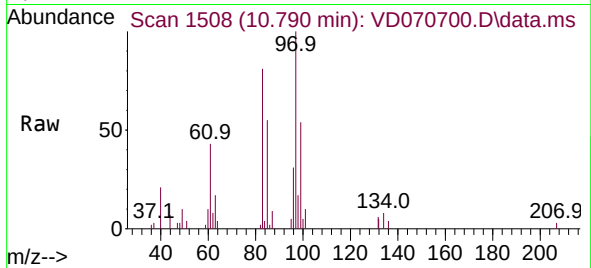
#55
1,1,2-Trichloroethane
Concen: 5.549 ug/l
RT: 10.790 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion:	97	Resp:	16998
Ion	Ratio	Lower	Upper
97	100		
83	81.5	69.1	103.7
85	54.6	43.0	64.6
99	54.0	49.0	73.6

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

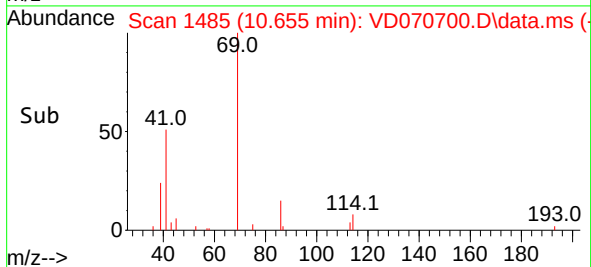
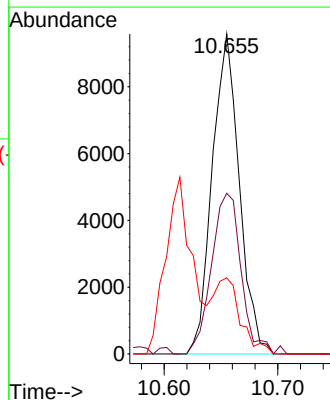
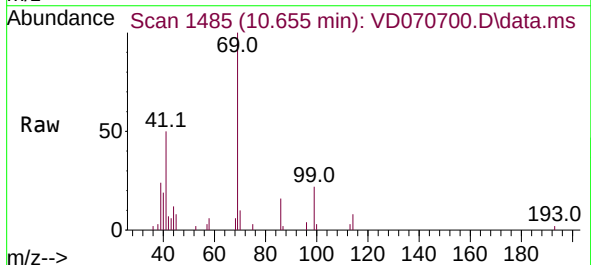
Manual Integrations
APPROVED

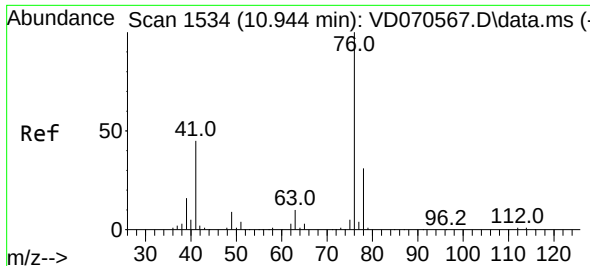
apatel
10/19/2021 12:37:54 PM



#56
Ethyl methacrylate
Concen: 4.849 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion:	69	Resp:	15864
Ion	Ratio	Lower	Upper
69	100		
41	55.4	44.7	67.1
39	23.8	19.5	29.3





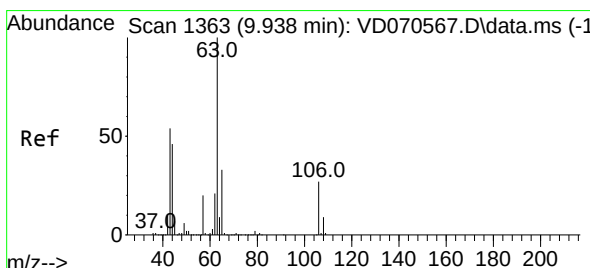
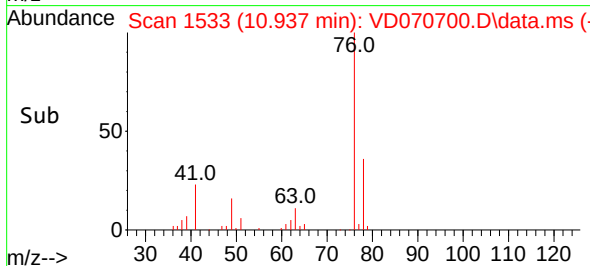
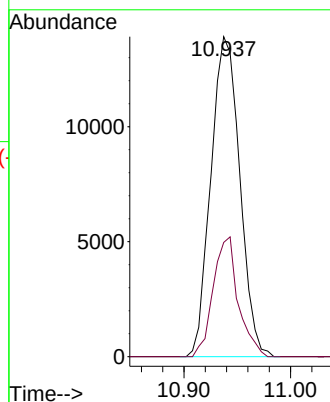
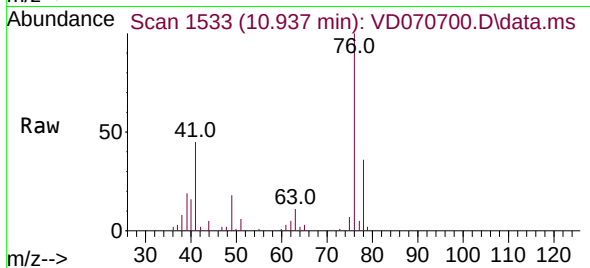
#57
1,3-Dichloropropane
Concen: 5.030 ug/l
RT: 10.937 min Scan# 1533
Delta R.T. -0.006 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion: 76 Resp: 26213
Ion Ratio Lower Upper
76 100
78 32.5 25.3 37.9

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

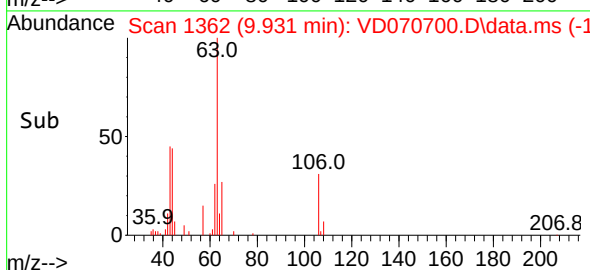
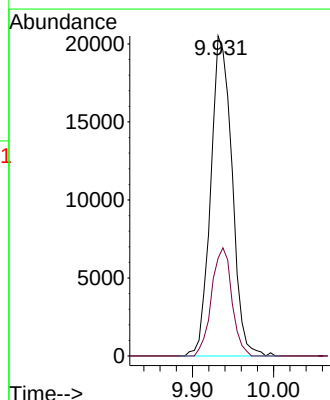
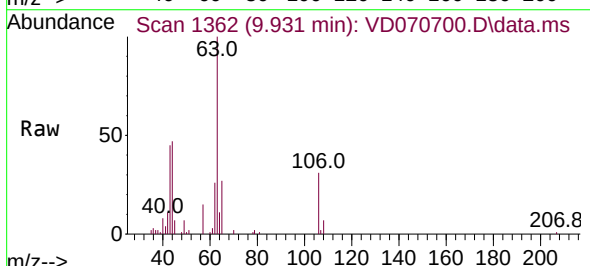
Manual Integrations
APPROVED

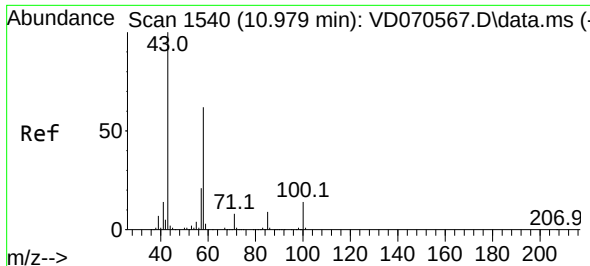
apatel
10/19/2021 12:37:54 PM



#58
2-Chloroethyl Vinyl ether
Concen: 25.335 ug/l
RT: 9.931 min Scan# 1362
Delta R.T. -0.006 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

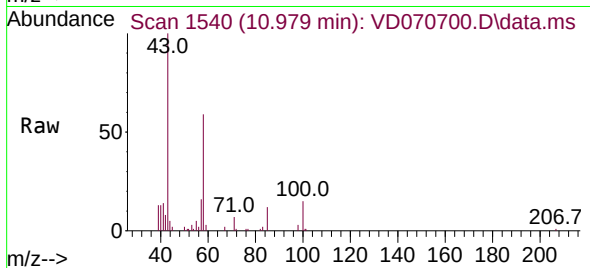
Tgt Ion: 63 Resp: 37392
Ion Ratio Lower Upper
63 100
106 32.2 22.3 33.5





#59
2-Hexanone
Concen: 22.606 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

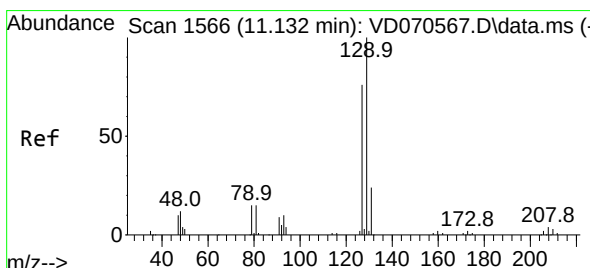
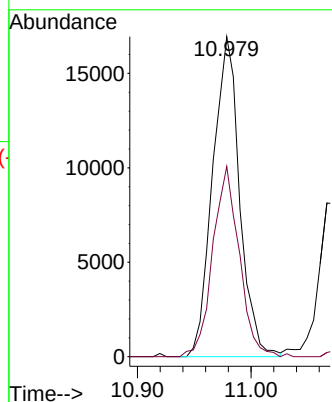
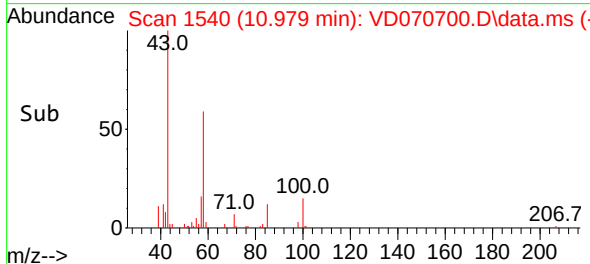
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021



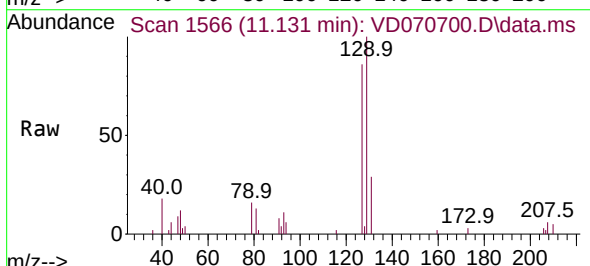
Tgt Ion: 43 Resp: 27988
Ion Ratio Lower Upper
43 100
58 58.5 30.4 91.3

Manual Integrations
APPROVED

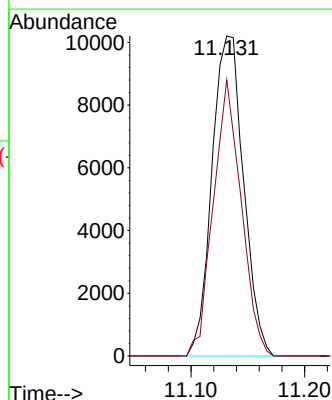
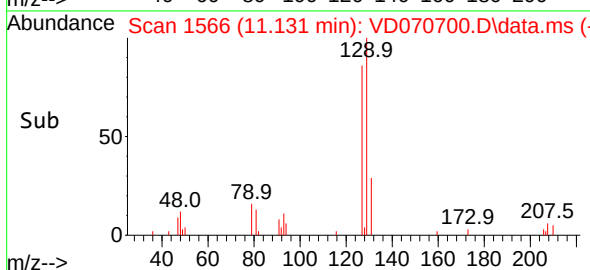
apatel
10/19/2021 12:37:54 PM

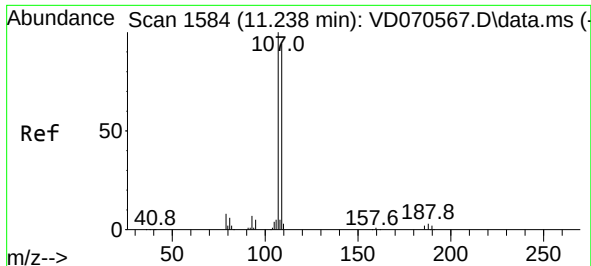


#60
Dibromochloromethane
Concen: 5.348 ug/l
RT: 11.131 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



Tgt Ion: 129 Resp: 19735
Ion Ratio Lower Upper
129 100
127 76.3 38.6 115.8





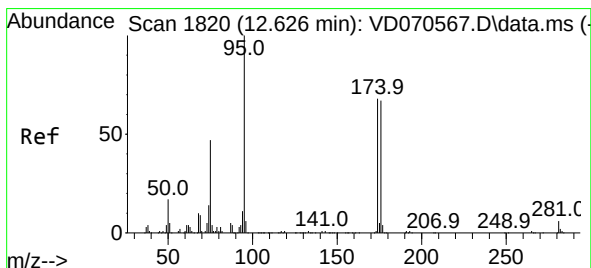
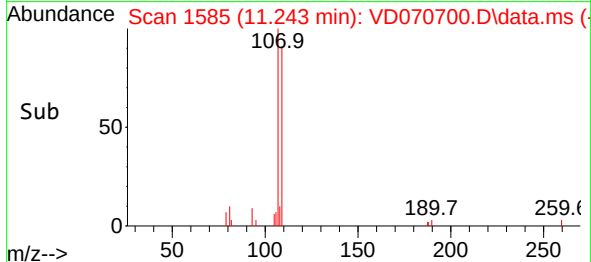
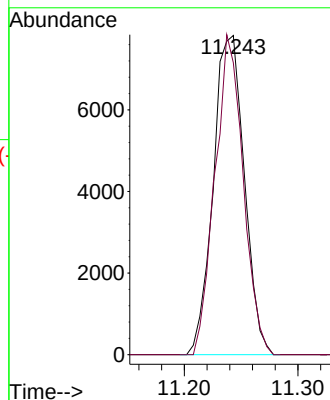
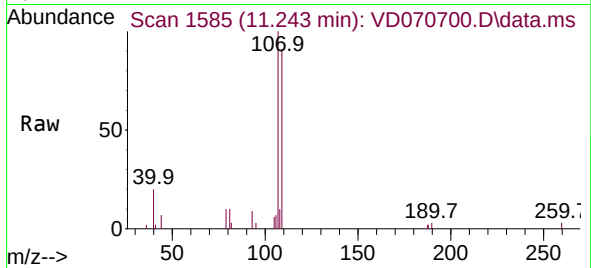
#61
1,2-Dibromoethane
Concen: 5.212 ug/l
RT: 11.243 min Scan# 1585
Delta R.T. 0.005 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion: 107 Resp: 14866
Ion Ratio Lower Upper
107 100
109 91.1 75.0 112.6

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

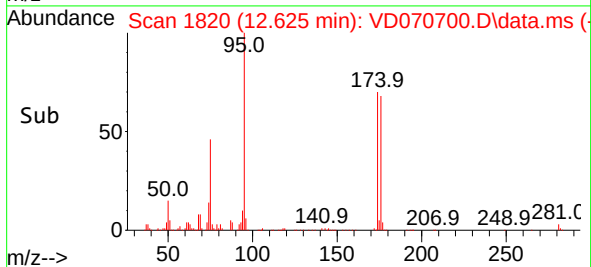
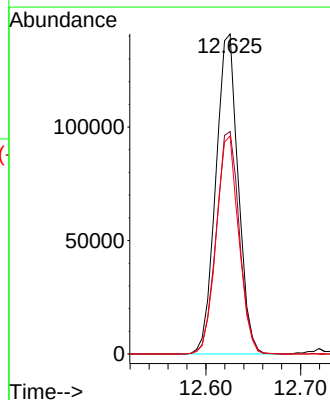
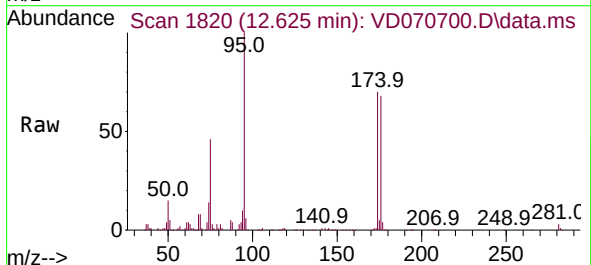
Manual Integrations
APPROVED

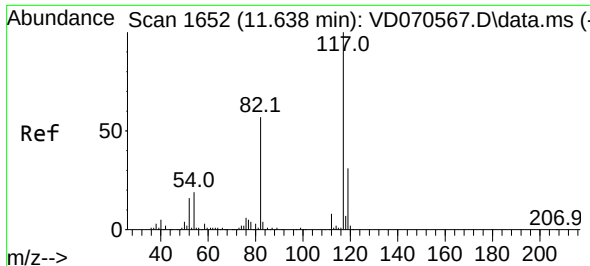
apatel
10/19/2021 12:37:54 PM



#62
4-Bromofluorobenzene
Concen: 49.597 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

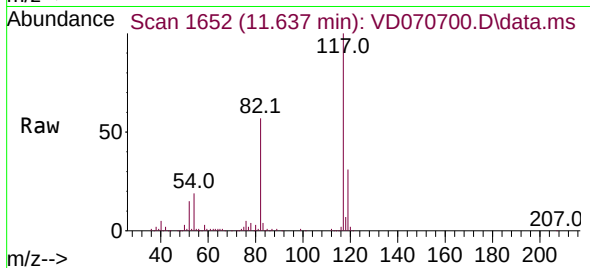
Tgt Ion: 95 Resp: 231051
Ion Ratio Lower Upper
95 100
174 71.9 0.0 138.0
176 68.6 0.0 135.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

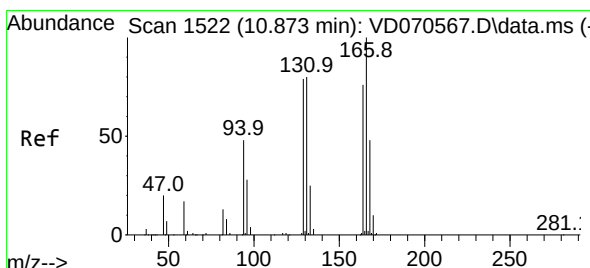
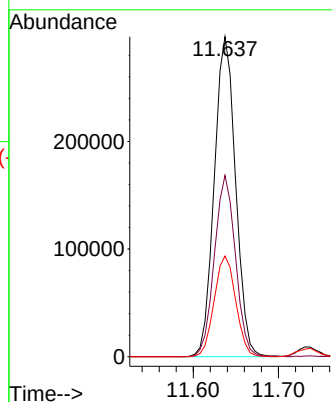
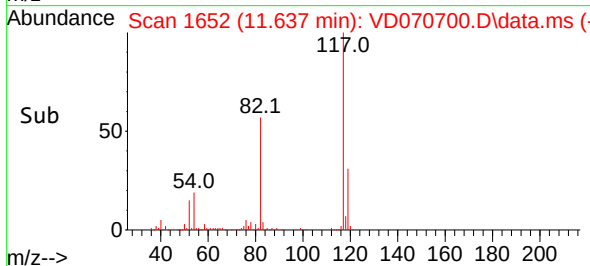
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021



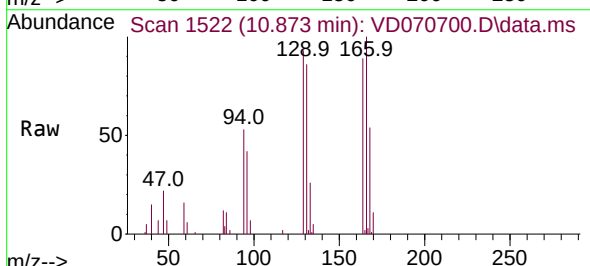
Tgt Ion:117 Resp: 516619
Ion Ratio Lower Upper
117 100
82 56.7 45.4 68.2
119 31.5 24.7 37.1

Manual Integrations
APPROVED

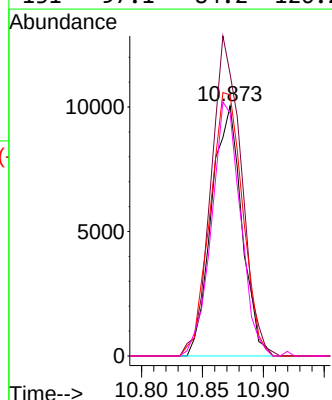
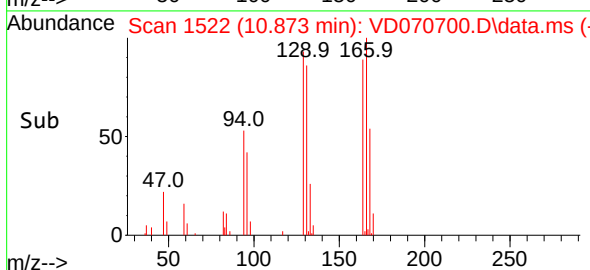
apatel
10/19/2021 12:37:54 PM

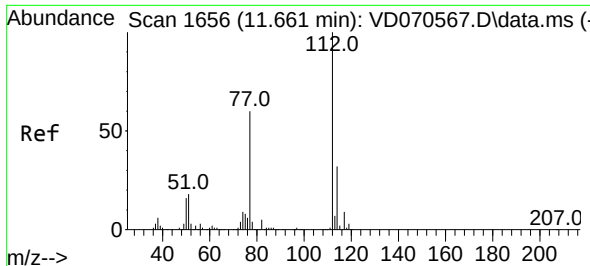


#64
Tetrachloroethene
Concen: 5.236 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



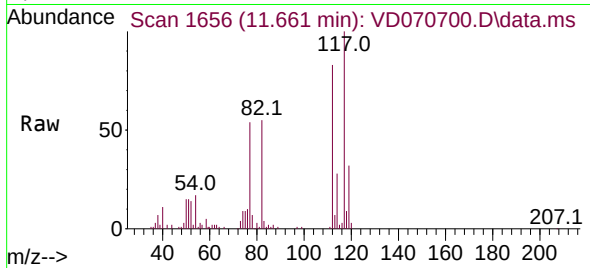
Tgt Ion:164 Resp: 17346
Ion Ratio Lower Upper
164 100
166 112.7 105.8 158.6
129 104.4 83.8 125.6
131 97.1 84.2 126.2





#65
Chlorobenzene
Concen: 5.125 ug/l
RT: 11.661 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

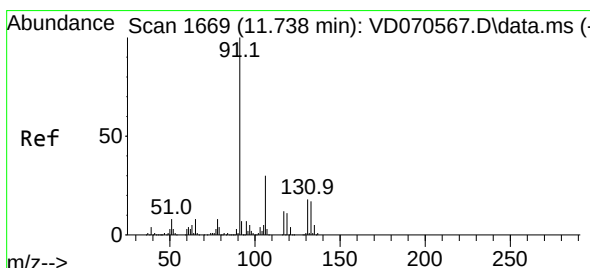
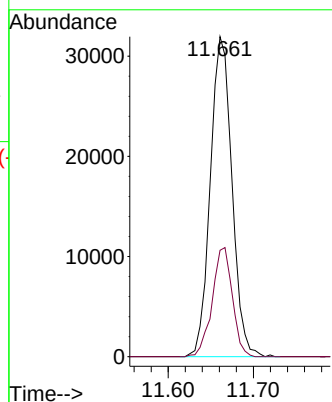
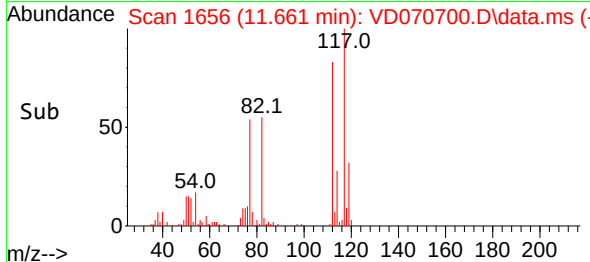
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021



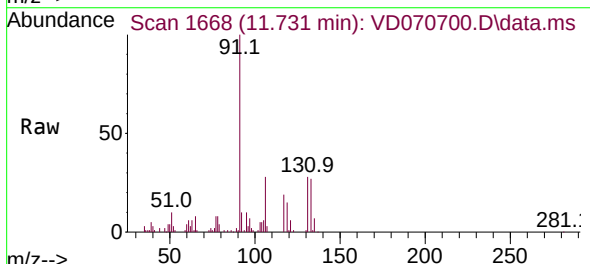
Tgt Ion:112 Resp: 56454
Ion Ratio Lower Upper
112 100
114 33.3 25.3 37.9

Manual Integrations
APPROVED

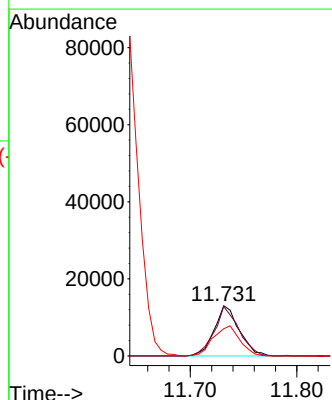
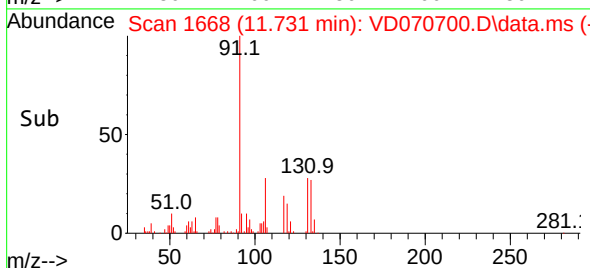
apatel
10/19/2021 12:37:54 PM

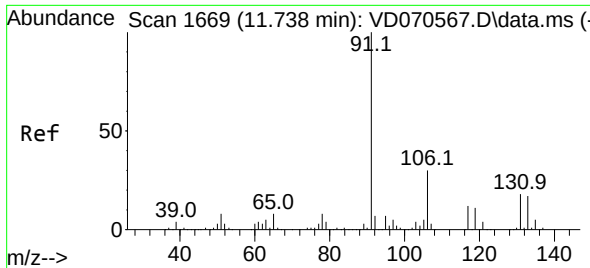


#66
1,1,1,2-Tetrachloroethane
Concen: 5.164 ug/l
RT: 11.731 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



Tgt Ion:131 Resp: 21162
Ion Ratio Lower Upper
131 100
133 96.8 46.8 140.3
119 63.7 32.6 97.7





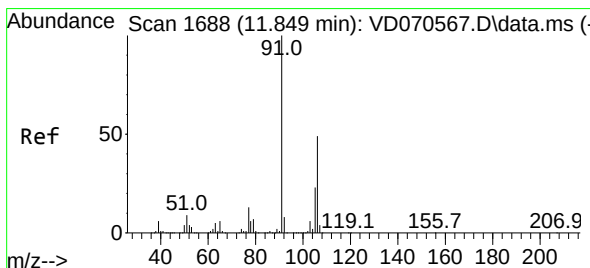
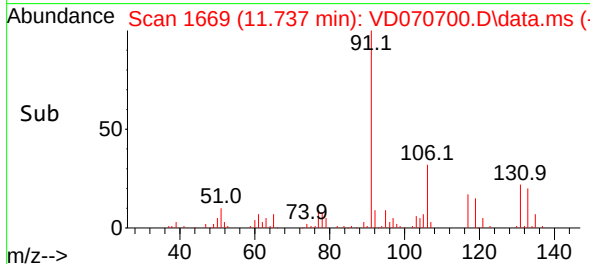
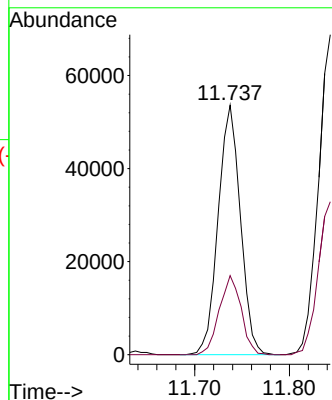
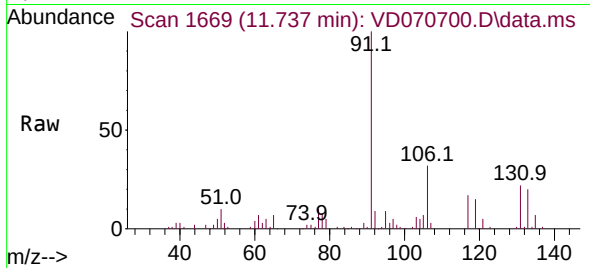
#67
Ethyl Benzene
Concen: 4.606 ug/l
RT: 11.737 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion: 91 Resp: 87567
Ion Ratio Lower Upper
91 100
106 31.7 24.2 36.2

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

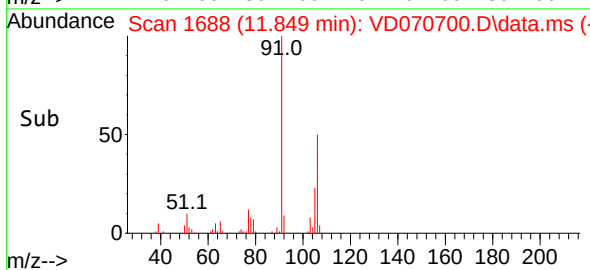
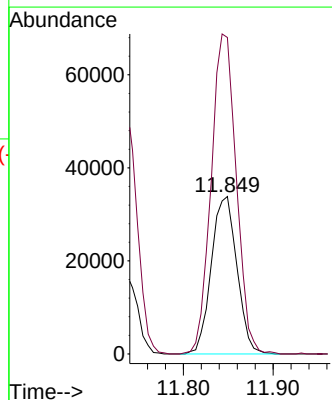
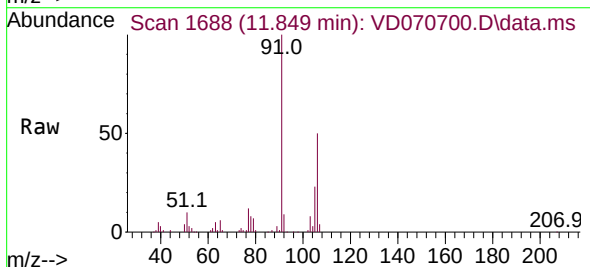
Manual Integrations
APPROVED

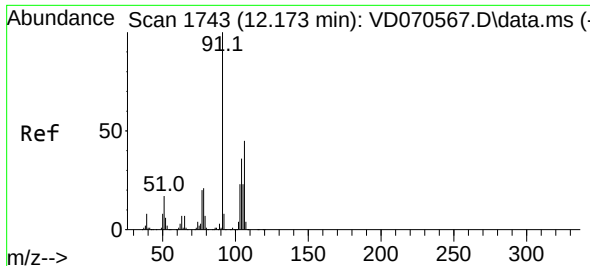
apatel
10/19/2021 12:37:54 PM



#68
m/p-Xylenes
Concen: 8.961 ug/l
RT: 11.849 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion:106 Resp: 67083
Ion Ratio Lower Upper
106 100
91 199.7 162.7 244.1





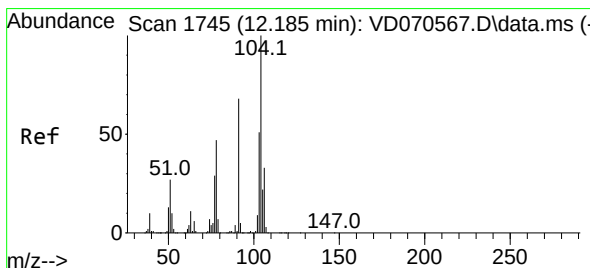
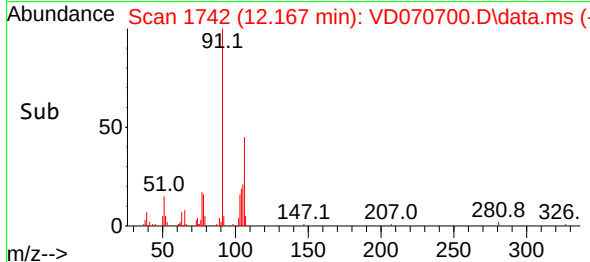
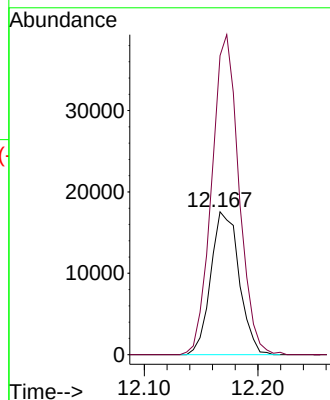
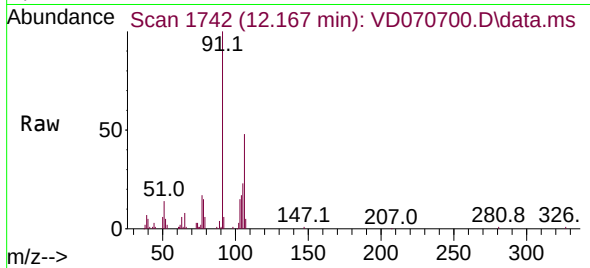
#69
o-Xylene
Concen: 4.568 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion:106 Resp: 30418
Ion Ratio Lower Upper
106 100
91 215.1 107.8 323.6

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

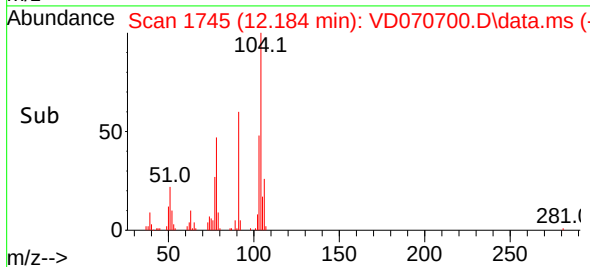
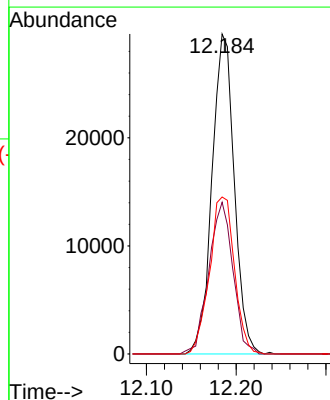
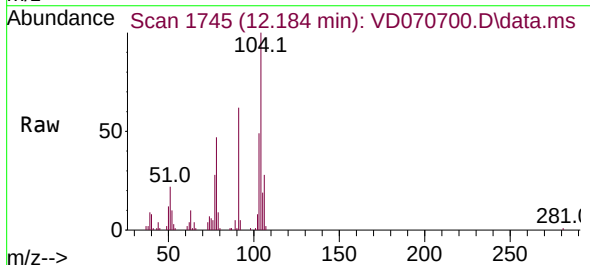
Manual Integrations
APPROVED

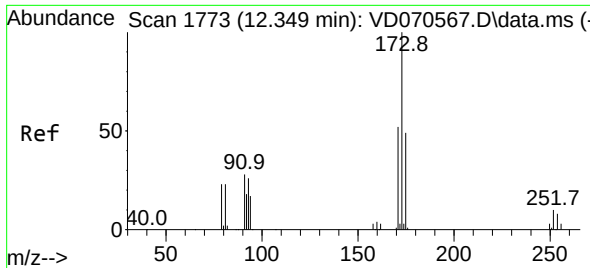
apatel
10/19/2021 12:37:54 PM



#70
Styrene
Concen: 4.355 ug/l
RT: 12.184 min Scan# 1745
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

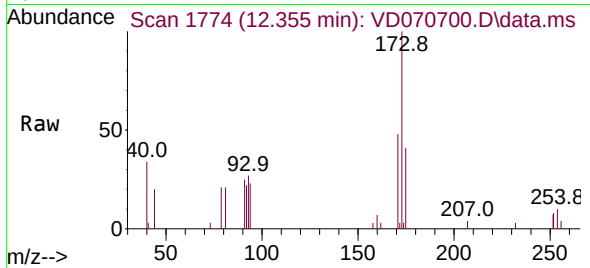
Tgt Ion:104 Resp: 51091
Ion Ratio Lower Upper
104 100
78 51.3 39.8 59.6
103 54.9 43.4 65.2





#71
Bromoform
Concen: 5.588 ug/l
RT: 12.355 min Scan# 1774
Delta R.T. 0.005 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

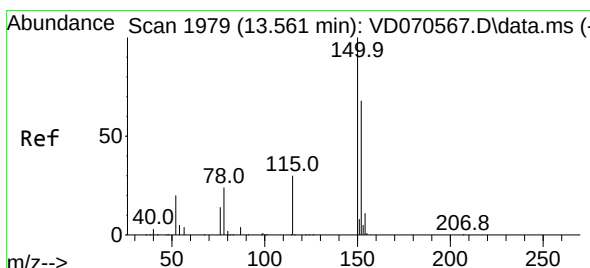
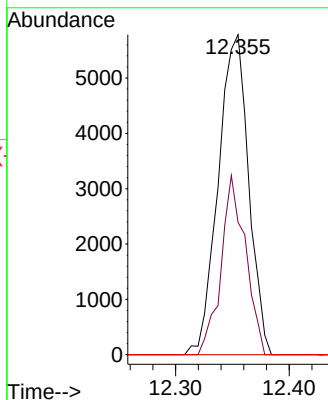
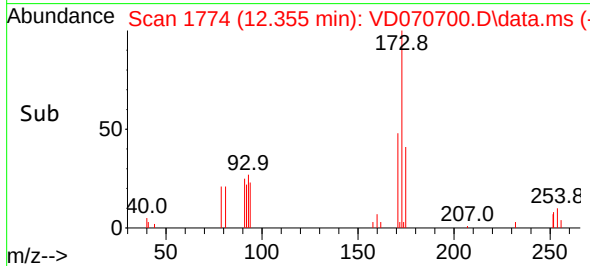
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021



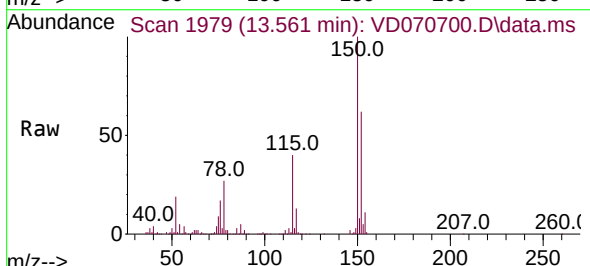
Tgt Ion:173 Resp: 10751
Ion Ratio Lower Upper
173 100
175 45.0 24.4 73.4
254 0.0 0.0 0.0

Manual Integrations
APPROVED

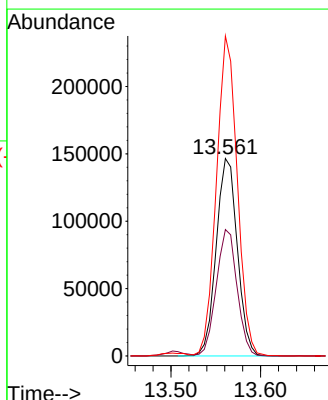
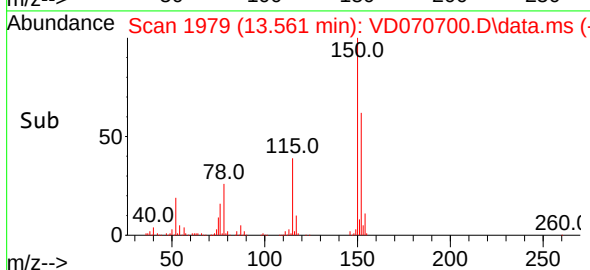
apatel
10/19/2021 12:37:54 PM

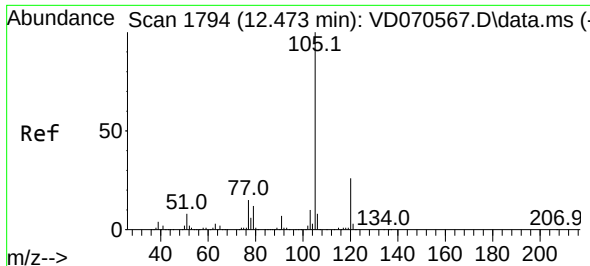


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



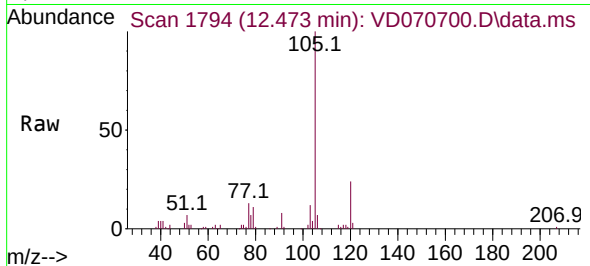
Tgt Ion:152 Resp: 239740
Ion Ratio Lower Upper
152 100
115 63.0 31.9 95.7
150 159.8 0.0 350.0





#73
Isopropylbenzene
Concen: 4.518 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

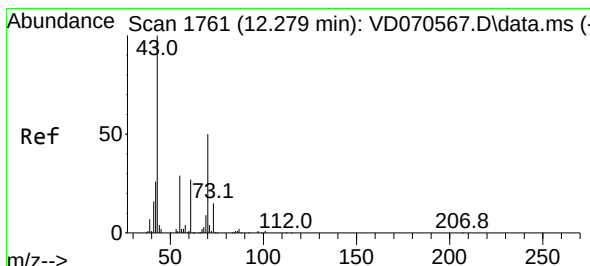
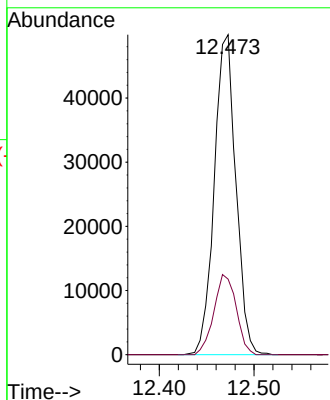
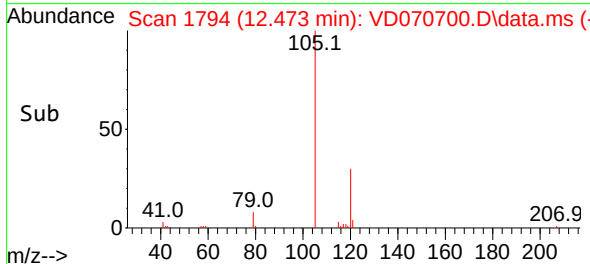
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021



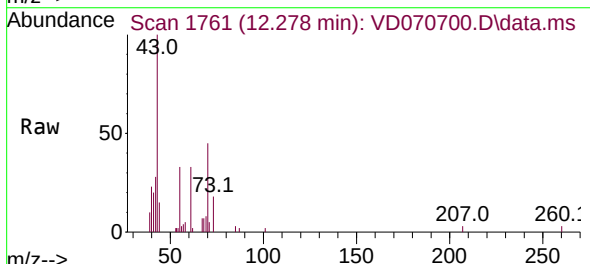
Tgt Ion:105 Resp: 78968
Ion Ratio Lower Upper
105 100
120 25.9 12.8 38.3

Manual Integrations
APPROVED

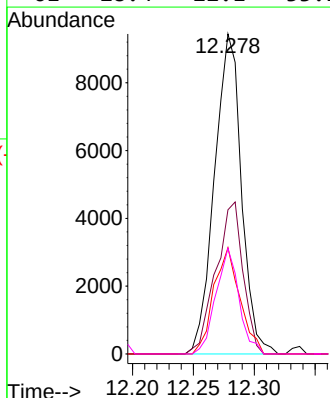
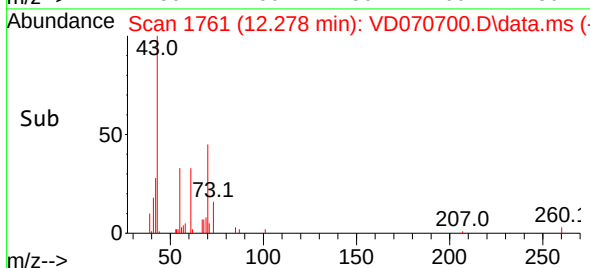
apatel
10/19/2021 12:37:54 PM

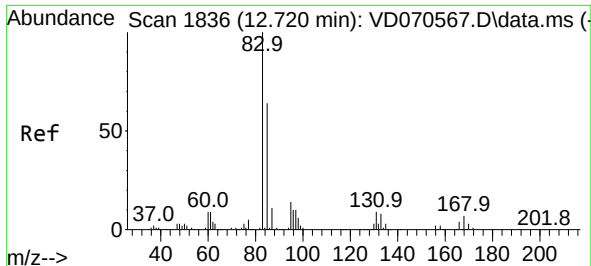


#74
N-ethyl acetate
Concen: 4.414 ug/l
RT: 12.278 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



Tgt Ion: 43 Resp: 14538
Ion Ratio Lower Upper
43 100
70 47.7 40.0 60.0
55 32.2 23.8 35.6
61 28.4 22.1 33.1





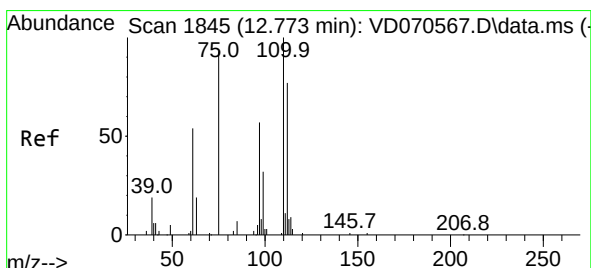
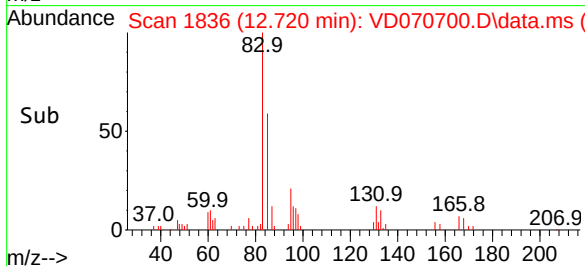
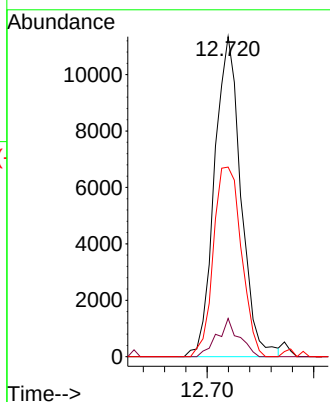
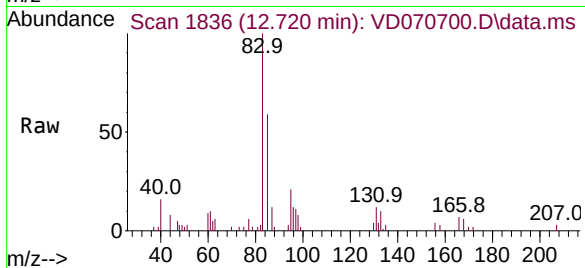
#75
1,1,2,2-Tetrachloroethane
Concen: 5.715 ug/l
RT: 12.720 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.9	14.7
85	62.7	31.9	95.7

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

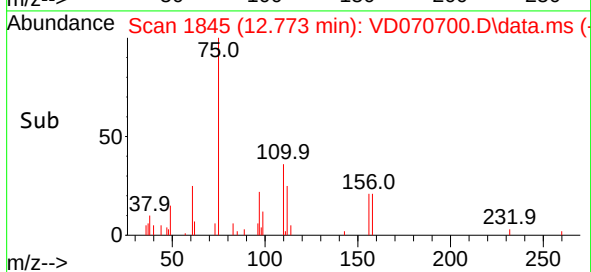
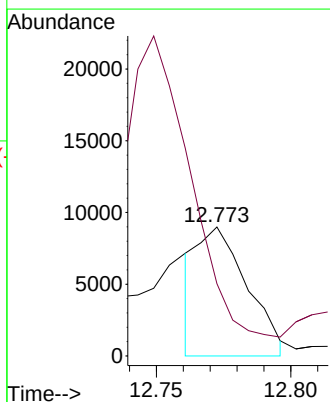
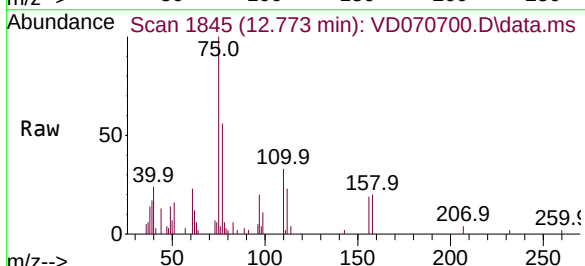
Manual Integrations
APPROVED

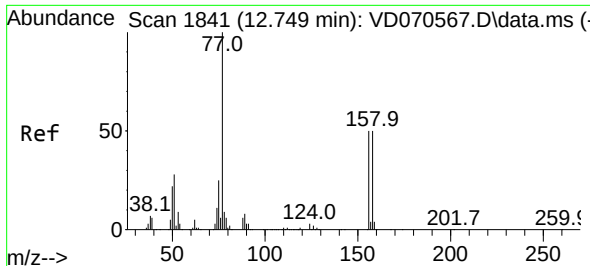
apatel
10/19/2021 12:37:54 PM



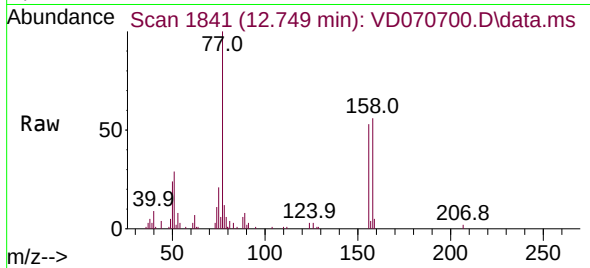
#76
1,2,3-Trichloropropane
Concen: 5.349 ug/l m
RT: 12.773 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

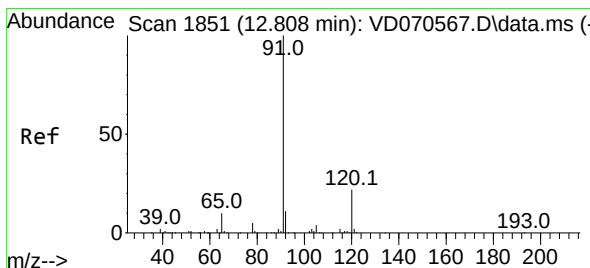
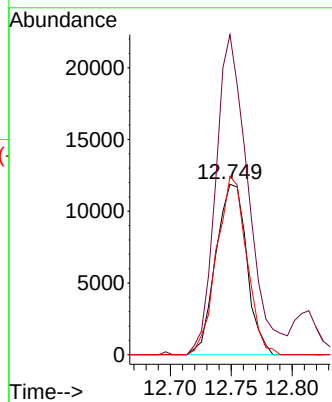
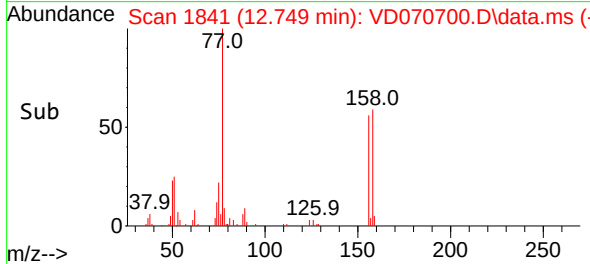




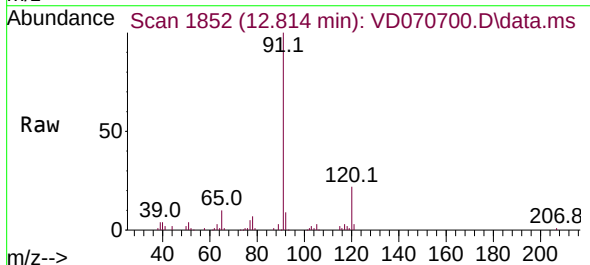
#77
Bromobenzene
Concen: 5.370 ug/l
RT: 12.749 min Scan# 1841
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



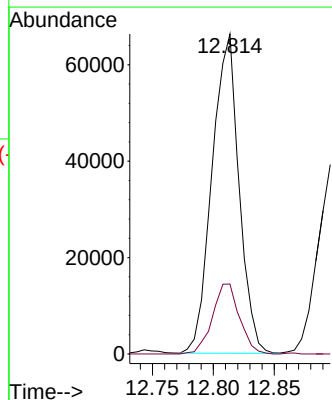
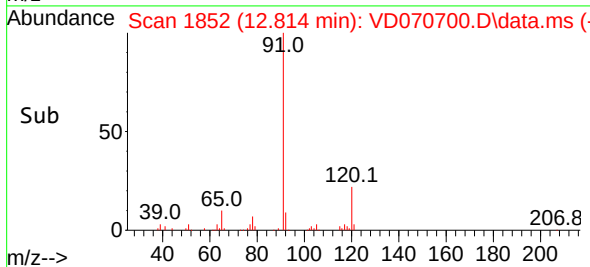
Tgt Ion:156 Resp: 20984
Ion Ratio Lower Upper
156 100
77 196.7 105.7 317.1
158 101.8 48.9 146.6



#78
n-propylbenzene
Concen: 4.619 ug/l
RT: 12.814 min Scan# 1852
Delta R.T. 0.005 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



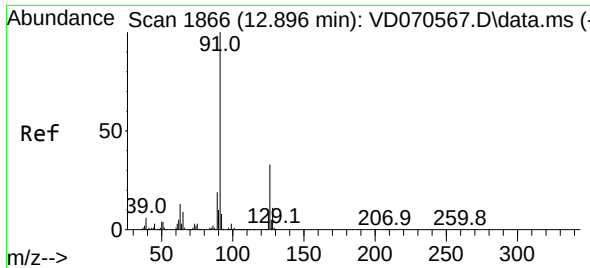
Tgt Ion: 91 Resp: 102155
Ion Ratio Lower Upper
91 100
120 21.9 10.9 32.6



Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

apatel
10/19/2021 12:37:54 PM



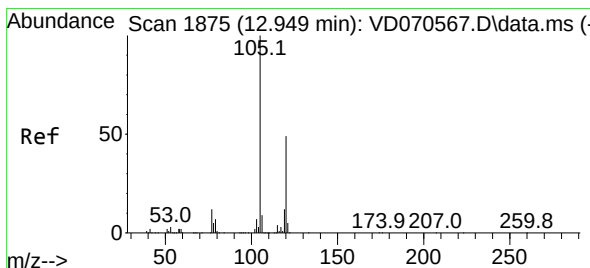
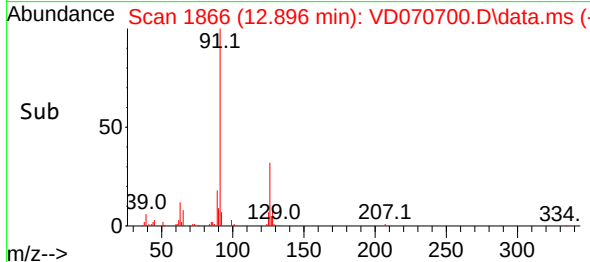
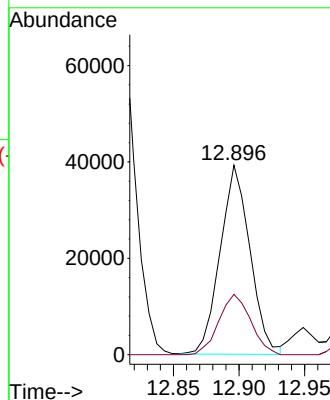
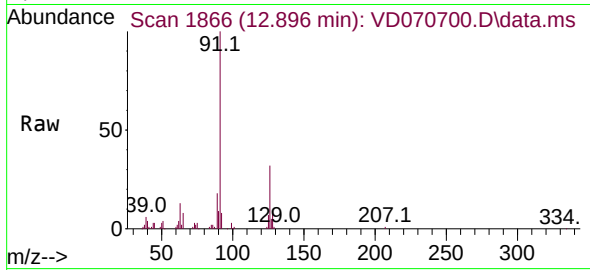
#79
2-Chlorotoluene
Concen: 4.795 ug/l
RT: 12.896 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion: 91 Resp: 62220
Ion Ratio Lower Upper
91 100
126 33.9 16.2 48.6

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

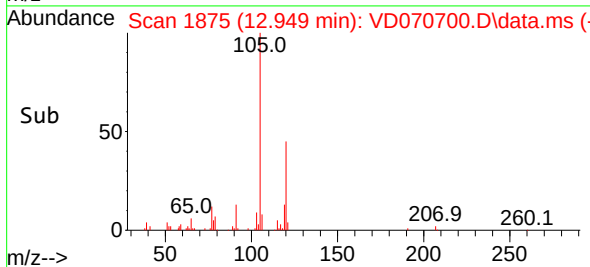
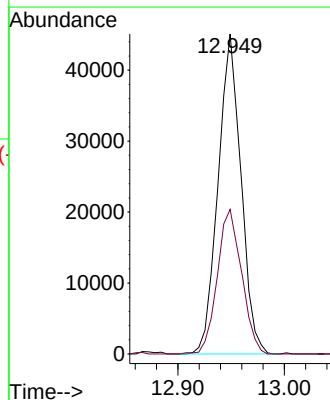
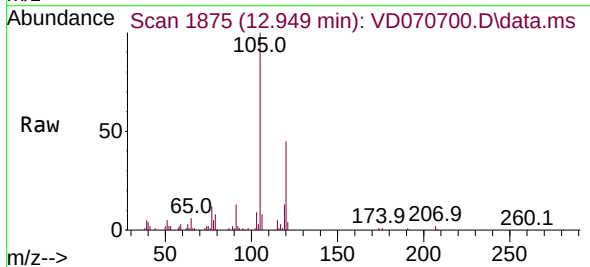
Manual Integrations
APPROVED

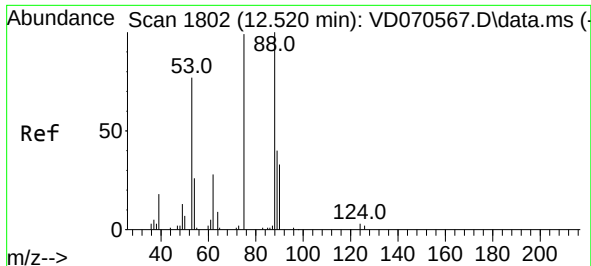
apatel
10/19/2021 12:37:54 PM



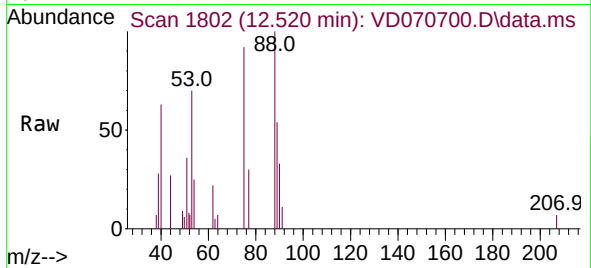
#80
1,3,5-Trimethylbenzene
Concen: 4.506 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion: 105 Resp: 67172
Ion Ratio Lower Upper
105 100
120 48.0 24.4 73.2

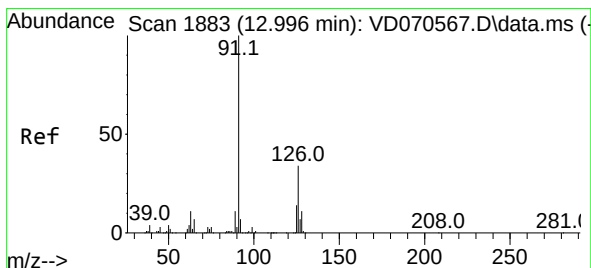
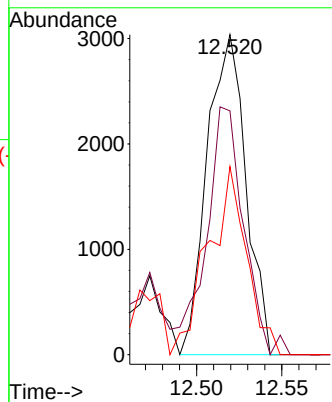
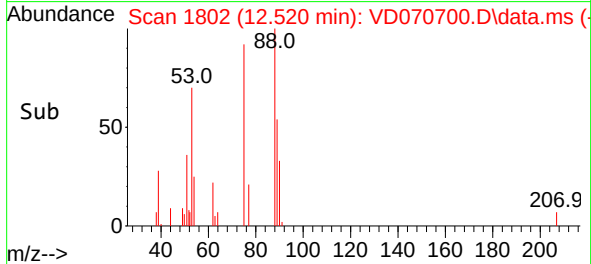




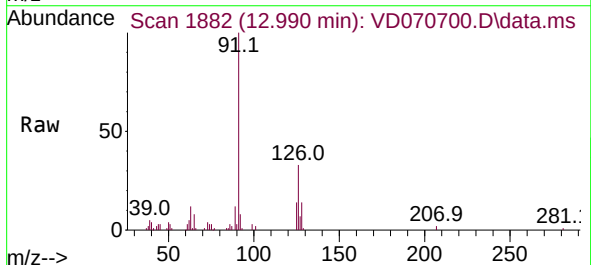
#81
trans-1,4-Dichloro-2-butene
Concen: 4.915 ug/l
RT: 12.520 min Scan# 1802
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



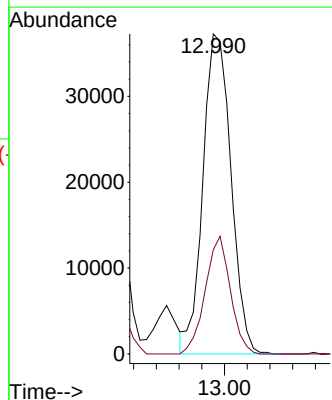
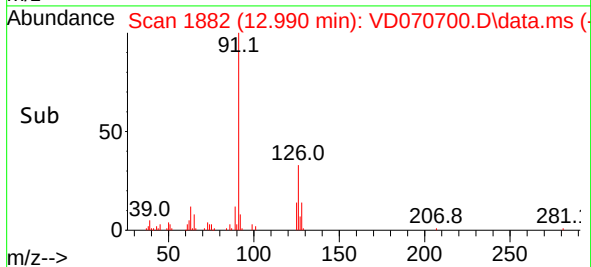
Tgt Ion: 75 Resp: 4804
Ion Ratio Lower Upper
75 100
53 75.0 64.5 96.7
89 58.1 35.3 52.9#



#82
4-Chlorotoluene
Concen: 4.720 ug/l
RT: 12.990 min Scan# 1882
Delta R.T. -0.006 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



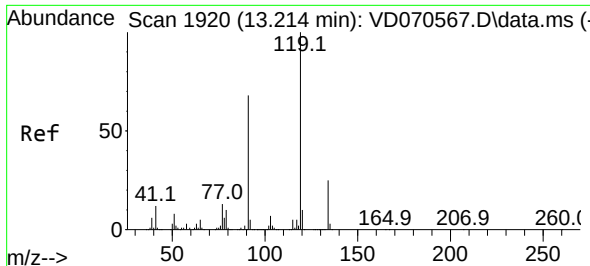
Tgt Ion: 91 Resp: 64030
Ion Ratio Lower Upper
91 100
126 32.8 16.2 48.6



Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

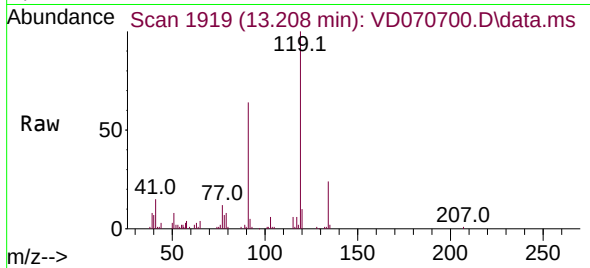
Manual Integrations
APPROVED

apatel
10/19/2021 12:37:54 PM



#83
tert-Butylbenzene
Concen: 4.589 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

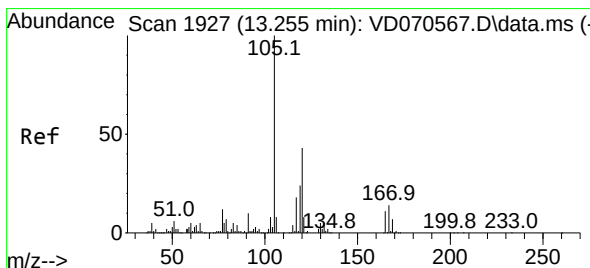
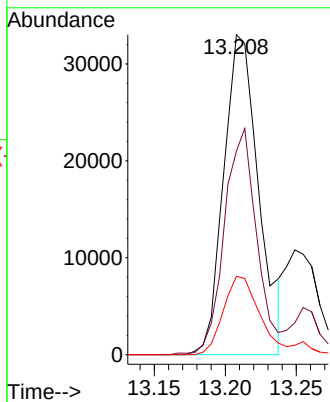
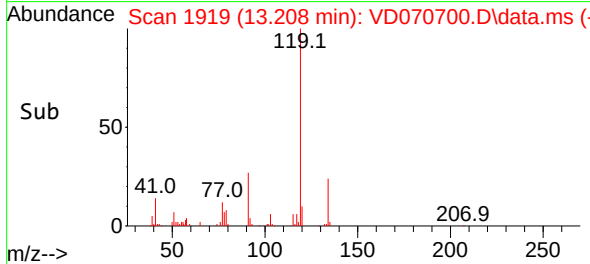
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021



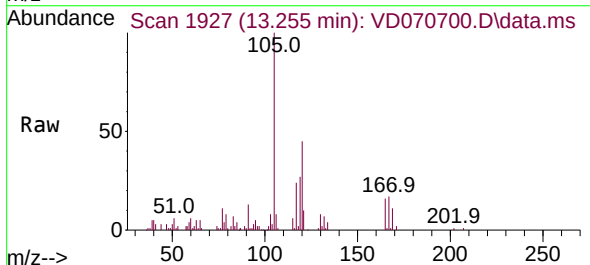
Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.2	33.1	99.3
134	25.3	13.2	39.5

Manual Integrations
APPROVED

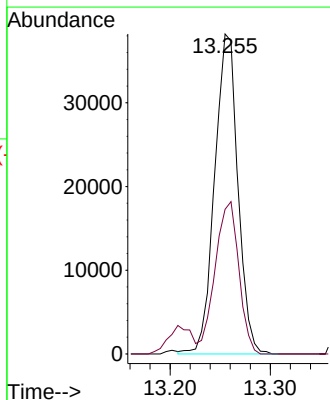
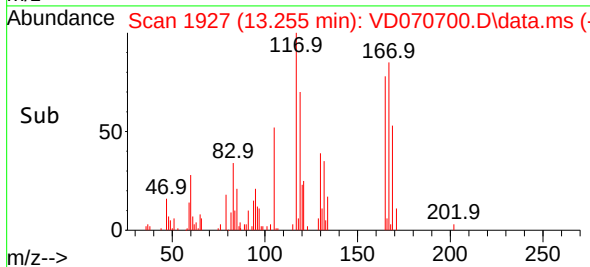
apatel
10/19/2021 12:37:54 PM

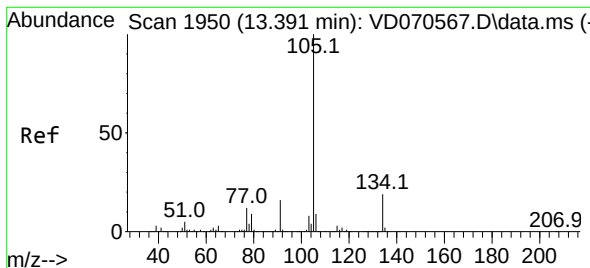


#84
1,2,4-Trimethylbenzene
Concen: 4.152 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



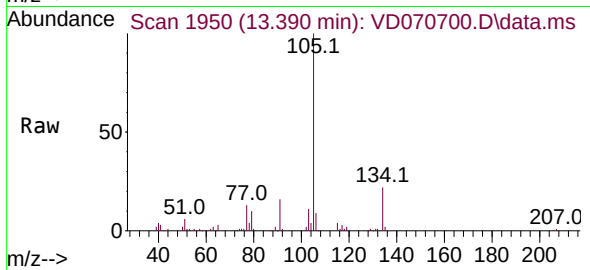
Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.7	21.9	65.8





#85
 sec-Butylbenzene
 Concen: 4.425 ug/l
 RT: 13.390 min Scan# 1950
 Delta R.T. -0.000 min
 Lab File: VD070700.D
 Acq: 13 Oct 2021 16:20

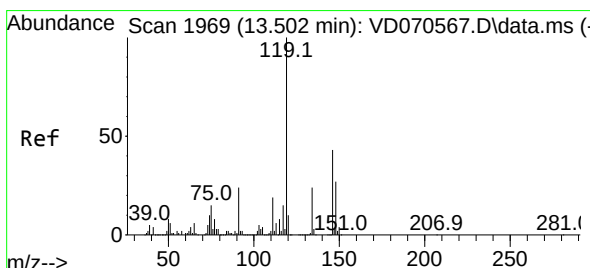
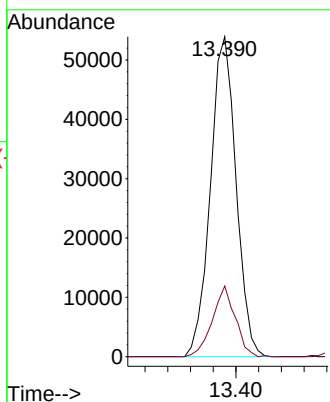
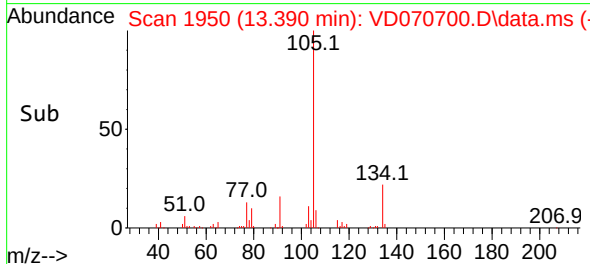
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021



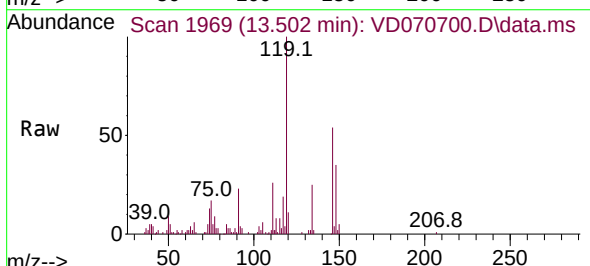
Tgt Ion:105 Resp: 84508
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.3 28.0

Manual Integrations
 APPROVED

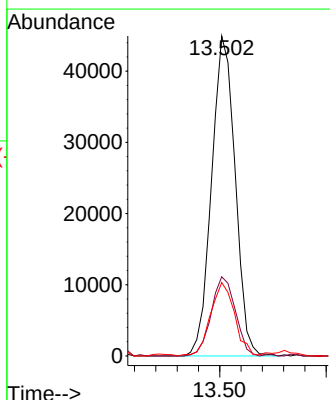
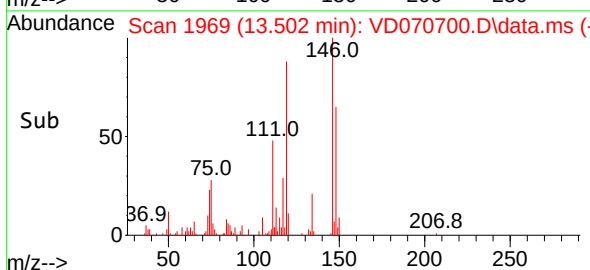
apatel
 10/19/2021 12:37:54 PM

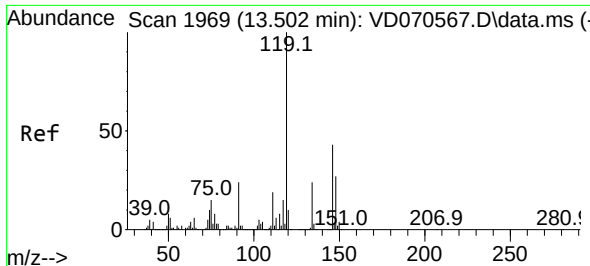


#86
 p-Isopropyltoluene
 Concen: 4.421 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. -0.000 min
 Lab File: VD070700.D
 Acq: 13 Oct 2021 16:20



Tgt Ion:119 Resp: 68970
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.5 37.5
 91 23.5 11.9 35.5





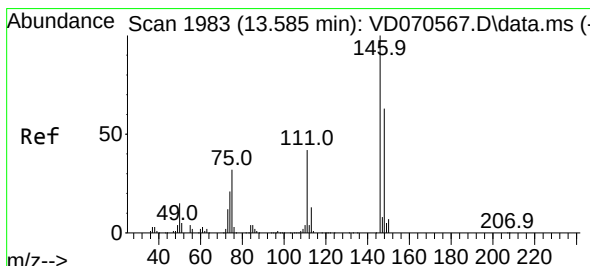
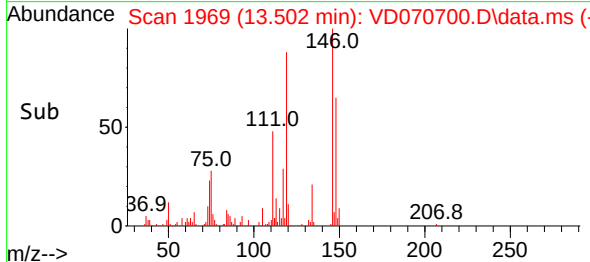
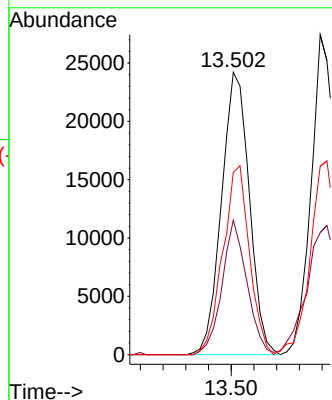
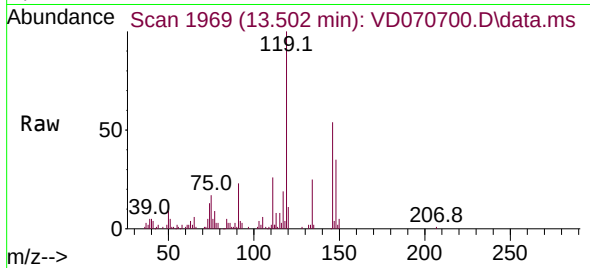
#87
1,3-Dichlorobenzene
Concen: 5.014 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.4	64.2
148	64.1	31.8	95.3

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

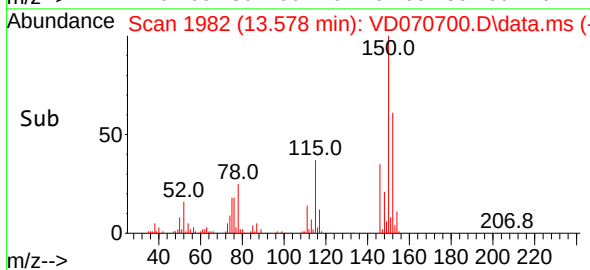
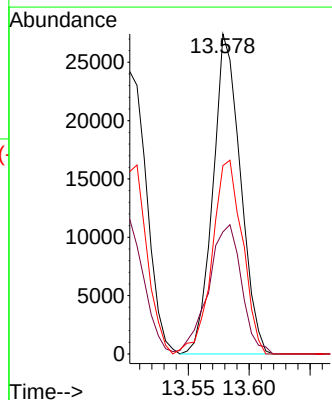
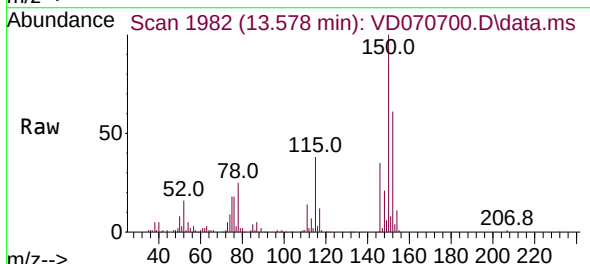
Manual Integrations
APPROVED

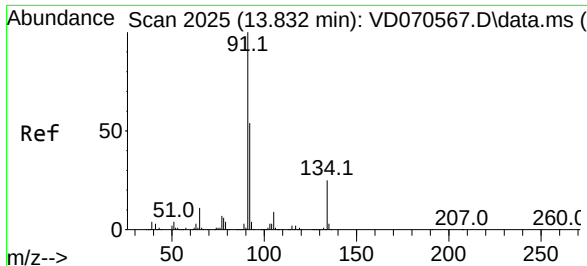
apatel
10/19/2021 12:37:54 PM



#88
1,4-Dichlorobenzene
Concen: 5.293 ug/l
RT: 13.578 min Scan# 1982
Delta R.T. -0.006 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

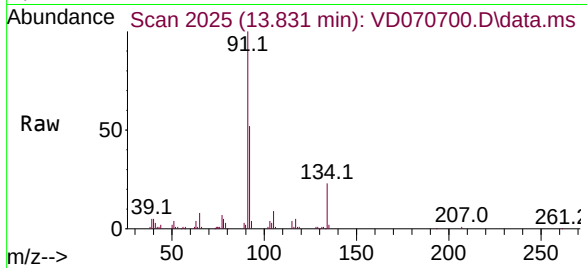
Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.9	21.1	63.4
148	66.8	31.6	94.8





#89
n-Butylbenzene
Concen: 4.450 ug/l
RT: 13.831 min Scan# 2025
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

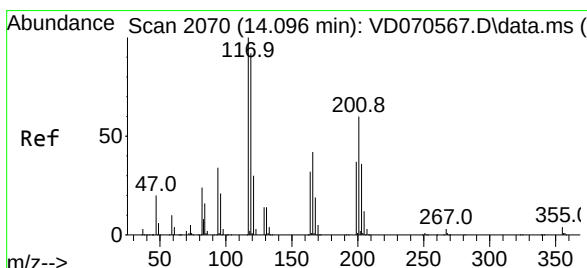
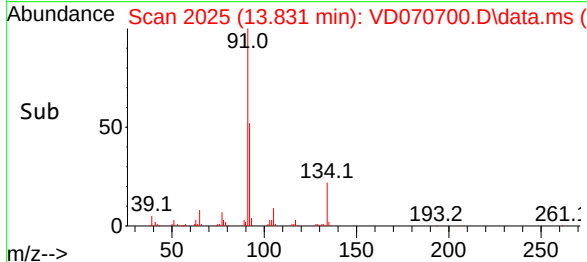
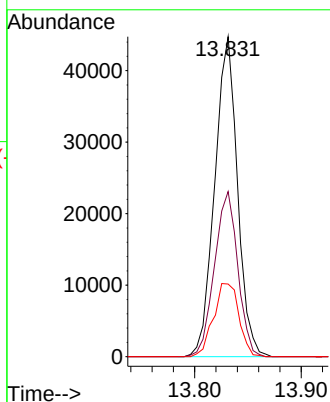
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:	91	Resp:	66269
Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.8	80.4
134	25.6	12.2	36.4

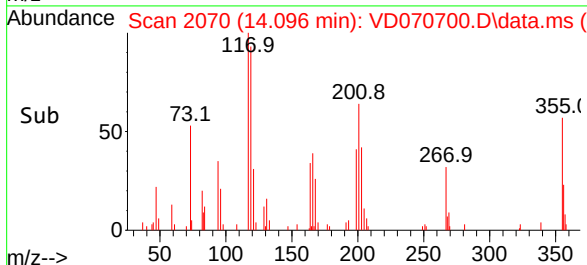
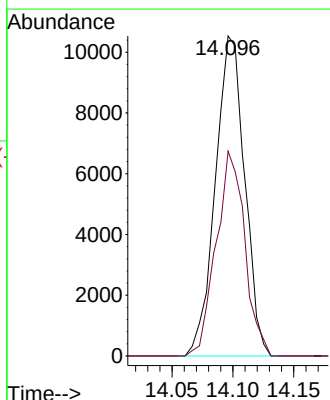
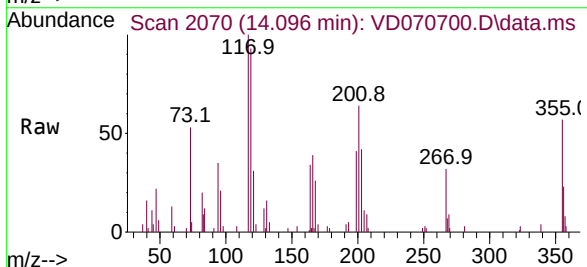
Manual Integrations
APPROVED

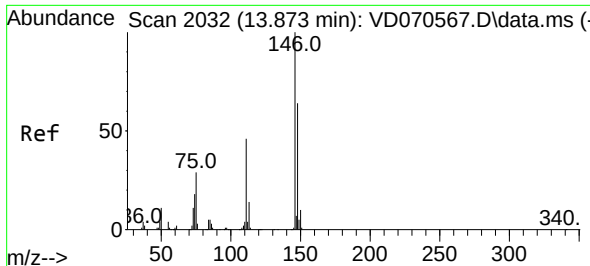
apatel
10/19/2021 12:37:54 PM



#90
Hexachloroethane
Concen: 5.239 ug/l
RT: 14.096 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion:	117	Resp:	17669
Ion	Ratio	Lower	Upper
117	100		
201	62.4	31.9	95.9





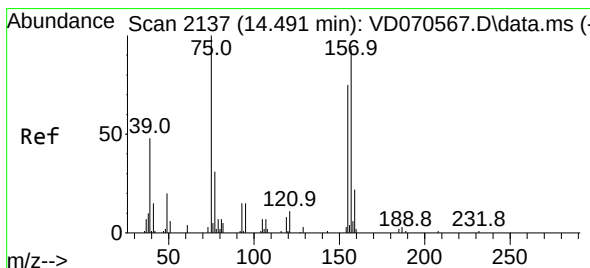
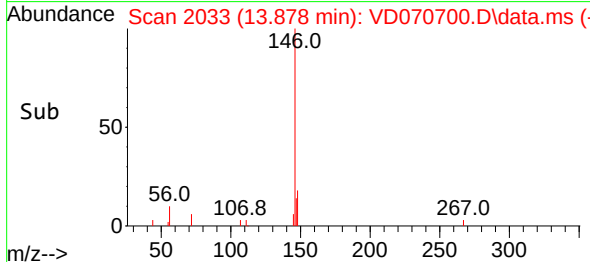
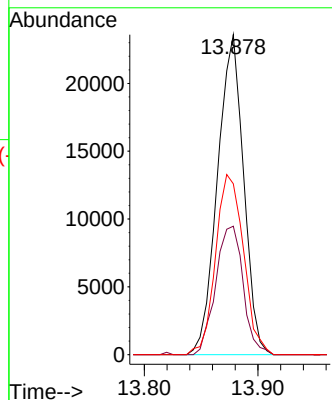
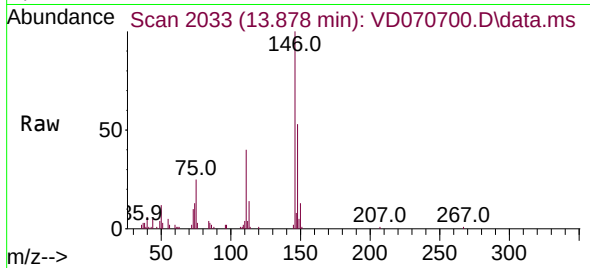
#91
1,2-Dichlorobenzene
Concen: 5.386 ug/l
RT: 13.878 min Scan# 2033
Delta R.T. 0.005 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion:146 Resp: 37688
Ion Ratio Lower Upper
146 100
111 42.2 22.8 68.4
148 60.3 32.4 97.0

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

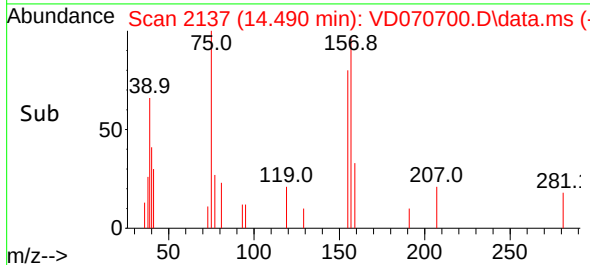
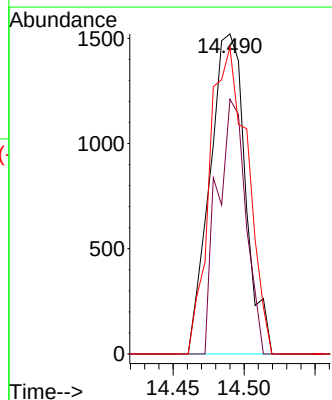
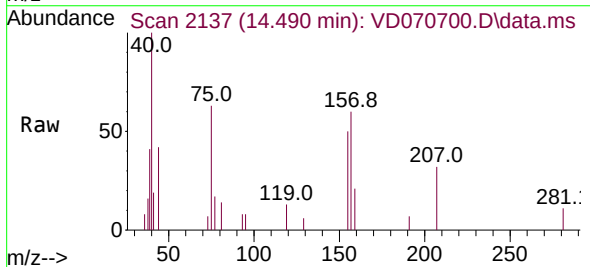
Manual Integrations
APPROVED

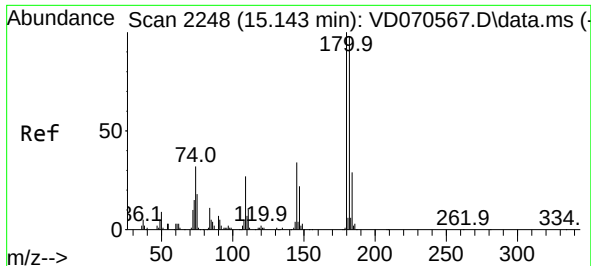
apatel
10/19/2021 12:37:54 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.363 ug/l
RT: 14.490 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

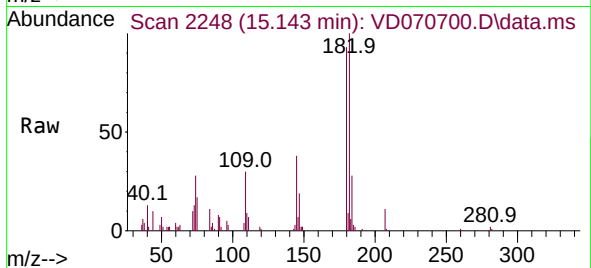
Tgt Ion: 75 Resp: 2646
Ion Ratio Lower Upper
75 100
155 63.8 38.1 114.5
157 102.3 47.6 142.9





#93
1,2,4-Trichlorobenzene
Concen: 5.088 ug/l
RT: 15.143 min Scan# 2248
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

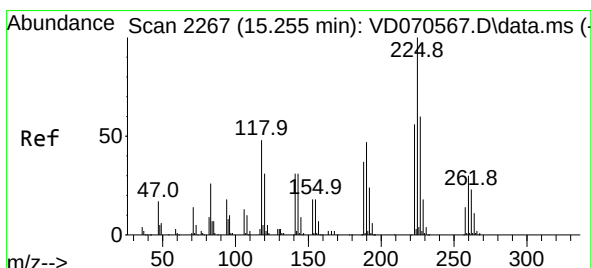
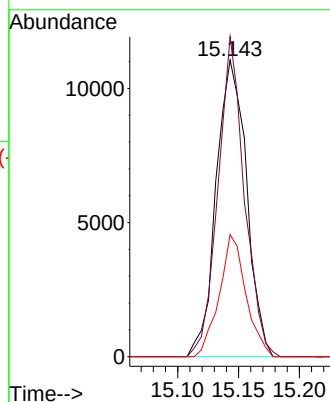
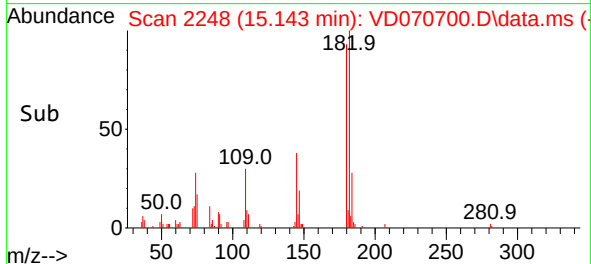
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021



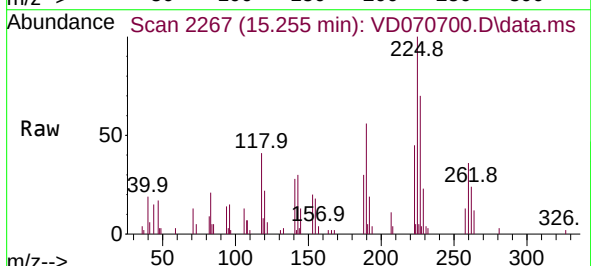
Tgt Ion:180 Resp: 19166
Ion Ratio Lower Upper
180 100
182 93.9 47.5 142.5
145 36.3 16.9 50.7

Manual Integrations
APPROVED

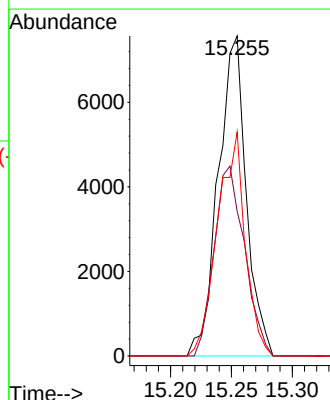
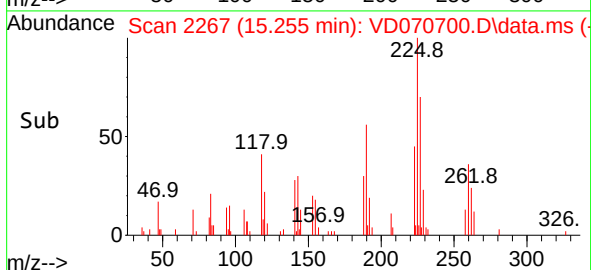
apatel
10/19/2021 12:37:54 PM

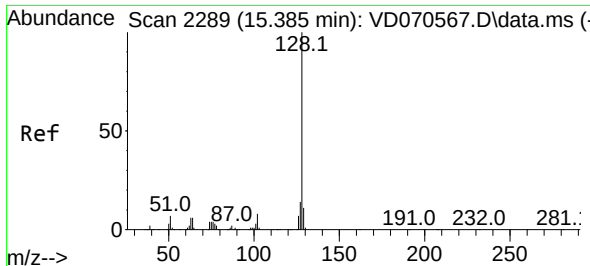


#94
Hexachlorobutadiene
Concen: 5.085 ug/l
RT: 15.255 min Scan# 2267
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20



Tgt Ion:225 Resp: 12103
Ion Ratio Lower Upper
225 100
223 64.5 31.2 93.6
227 69.1 32.2 96.6





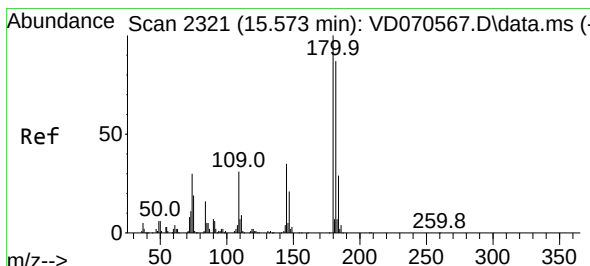
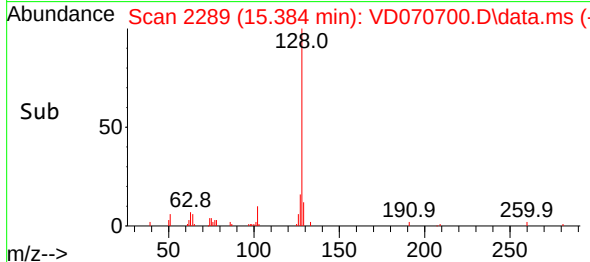
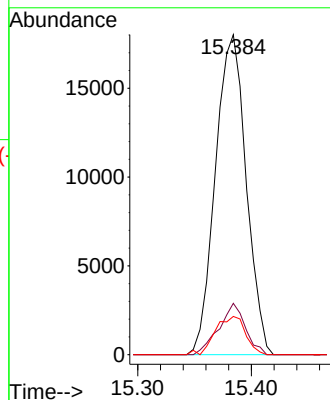
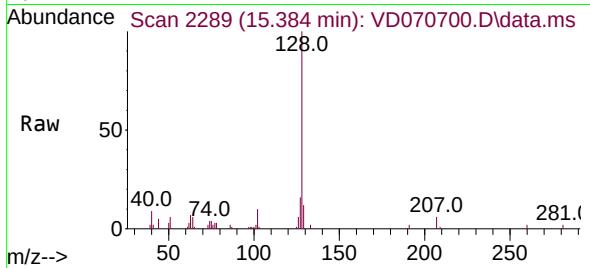
#95
Naphthalene
Concen: 4.992 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.9	16.3
129	11.8	8.6	12.8

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

apatel
10/19/2021 12:37:54 PM



#96
1,2,3-Trichlorobenzene
Concen: 5.038 ug/l
RT: 15.572 min Scan# 2321
Delta R.T. -0.000 min
Lab File: VD070700.D
Acq: 13 Oct 2021 16:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.4	46.2	138.5
145	38.5	17.1	51.3

