

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052024\
 Data File : VW035631.D
 Acq On : 20 May 2024 12:24
 Operator : SY/MD
 Sample : P2409-03
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT2-2024-03

Quant Time: May 21 02:17:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 21 02:11:46 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/21/2024
 Supervised By :Semsettin Yesilyurt 05/21/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	385883	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	399881	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	199723	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	128844	21.603	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.400%
7) Chloroethane-d5	1.526	69	113419	23.572	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.280%
11) 1,1-Dichloroethene-d2	2.050	65	59599	22.571	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.280%
21) 2-Butanone-d5	3.838	46	83265	49.193	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.380%
24) Chloroform-d	4.243	84	280243	24.428	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.720%
26) 1,2-Dichloroethane-d4	4.937	65	150588	26.552	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.200%
32) Benzene-d6	4.953	84	518702	23.697	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.800%
36) 1,2-Dichloropropane-d6	5.986	67	174274	25.799	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.200%
41) Toluene-d8	7.239	98	431123	22.130	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.520%
43) trans-1,3-Dichloroprop...	7.555	79	64832	22.441	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.760%
47) 2-Hexanone-d5	8.030	63	60035	49.424	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.840%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	163107	25.057	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.240%
66) 1,2-Dichlorobenzene-d4	11.558	152	180413	26.029	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	10502	1.339	ug/L	97
3) Chloromethane	1.211	50	13268	1.684	ug/L	99
5) Vinyl chloride	1.275	62	11418	1.403	ug/L #	82
6) Bromomethane	1.481	94	7384	1.433	ug/L	98
8) Chloroethane	1.545	64	6712	1.338	ug/L	98
9) Trichlorofluoromethane	1.706	101	14642	1.378	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	10814	1.614	ug/L	88
12) 1,1-Dichloroethene	2.063	96	9660	1.596	ug/L #	1
13) Acetone	2.166	43	7788m	3.143	ug/L	
14) Carbon disulfide	2.233	76	26220	1.368	ug/L	97
15) Methyl Acetate	2.391	43	4123m	1.098	ug/L	
16) Methylene chloride	2.442	84	25278	2.841	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	7883	1.173	ug/L	88
18) Methyl tert-butyl Ether	2.703	73	18926	1.168	ug/L	99
19) 1,1-Dichloroethane	3.108	63	16182	1.284	ug/L	99
20) cis-1,2-Dichloroethene	3.822	96	8231	1.130	ug/L	90
22) 2-Butanone	3.953	43	7102m	3.087	ug/L	
23) Bromochloromethane	4.153	128	4161	1.181	ug/L	92
25) Chloroform	4.272	83	21047	1.618	ug/L	94

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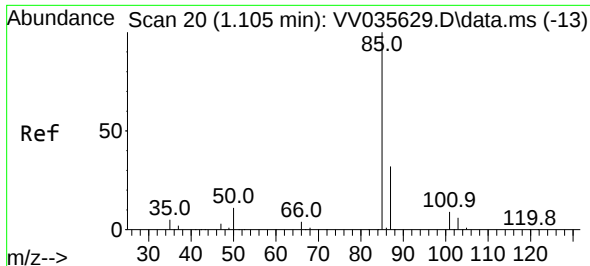
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
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 Supervised By :Semsettin Yesilyurt 05/21/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.059	62	8757	1.081	ug/L	97
29) Cyclohexane	4.574	56	10525	1.101	ug/L	96
30) 1,1,1-Trichloroethane	4.506	97	14011	1.264	ug/L	99
31) Carbon tetrachloride	4.735	117	12276	1.262	ug/L	99
33) Benzene	5.014	78	32927	1.244	ug/L	100
34) Trichloroethene	5.834	95	9995	1.335	ug/L	94
35) Methylcyclohexane	6.043	83	11470	1.009	ug/L #	88
37) 1,2-Dichloropropane	6.098	63	8118	1.176	ug/L	98
38) Bromodichloromethane	6.439	83	11608	1.241	ug/L	95
39) cis-1,3-Dichloropropene	6.966	75	12502m	1.158	ug/L	
40) 4-Methyl-2-pentanone	7.175	43	12319m	2.979	ug/L	
42) Toluene	7.323	91	33470	1.195	ug/L	96
44) trans-1,3-Dichloropropene	7.596	75	11189m	1.184	ug/L	
45) 1,1,2-Trichloroethane	7.776	97	6943	1.183	ug/L	95
46) Tetrachloroethene	7.908	164	8000	1.315	ug/L	90
48) 2-Hexanone	8.098	43	11098m	3.579	ug/L	
49) Dibromochloromethane	8.178	129	8002	1.209	ug/L	98
50) 1,2-Dibromoethane	8.291	107	7670	1.327	ug/L	89
51) Chlorobenzene	8.818	112	24082	1.239	ug/L	99
52) Ethylbenzene	8.950	91	32132	1.039	ug/L	100
53) m,p-Xylene	9.079	106	10759	0.917	ug/L	98
54) o-Xylene	9.481	106	10161	0.914	ug/L	95
55) Styrene	9.503	104	17016m	0.877	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.178	83	8781	1.229	ug/L #	93
59) Bromoform	9.673	173	5059	1.289	ug/L #	96
60) Isopropylbenzene	9.866	105	27228	1.023	ug/L	98
61) 1,2,3-Trichloropropane	10.210	75	7132	1.524	ug/L #	92
62) 1,3,5-Trimethylbenzene	10.477	105	19326	0.926	ug/L	97
63) 1,2,4-Trimethylbenzene	10.853	105	19173	0.894	ug/L	96
64) 1,3-Dichlorobenzene	11.120	146	16599	1.189	ug/L	98
65) 1,4-Dichlorobenzene	11.207	146	18136	1.255	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	17992	1.369	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.368	75	1413	1.302	ug/L	90
69) 1,3,5-Trichlorobenzene	12.583	180	12298	1.127	ug/L	98
70) 1,2,4-trichlorobenzene	13.201	180	9226	1.013	ug/L	99
71) Naphthalene	13.445	128	14901m	0.932	ug/L	
72) 1,2,3-Trichlorobenzene	13.683	180	8237	1.005	ug/L	98

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



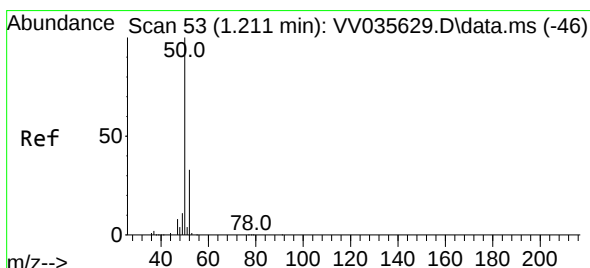
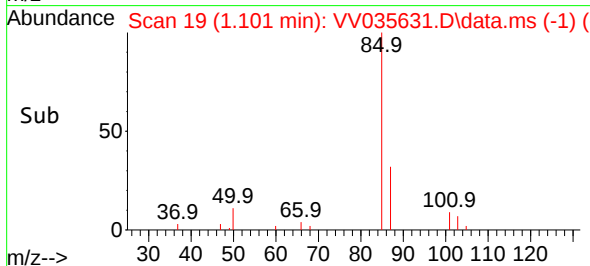
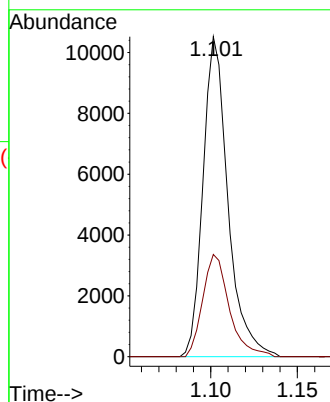
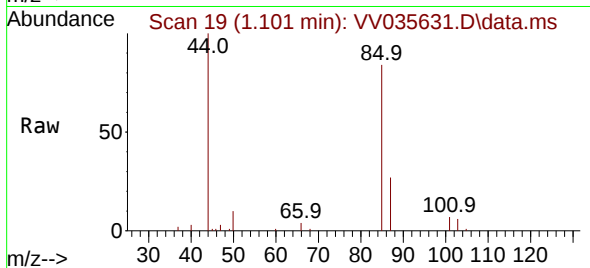
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Dichlorodifluoromethane
Concen: 1.339 ug/L
RT: 1.101 min Scan# 19
Delta R.T. -0.003 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT2-2024-03

Tgt Ion: 85 Resp: 10502
Ion Ratio Lower Upper
85 100
87 34.1 25.8 38.6

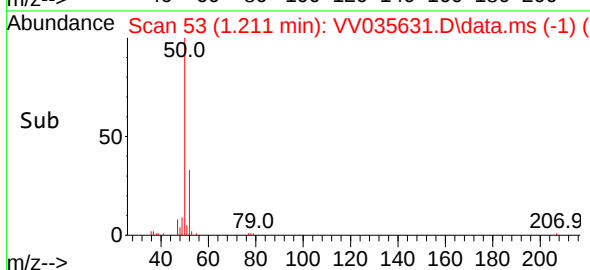
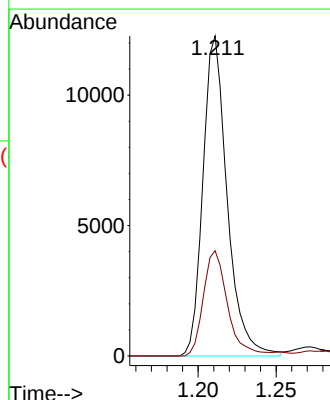
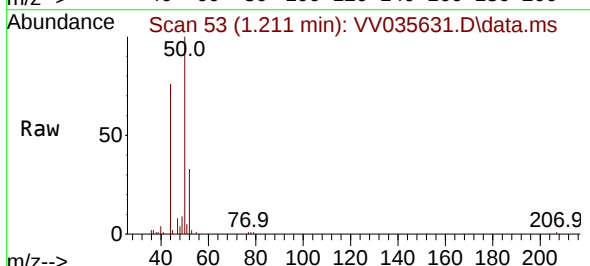
Manual Integrations
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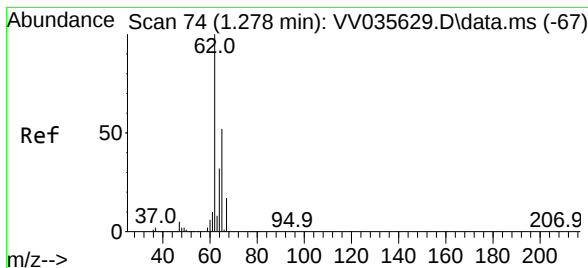
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#3
Chloromethane
Concen: 1.684 ug/L
RT: 1.211 min Scan# 53
Delta R.T. 0.000 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

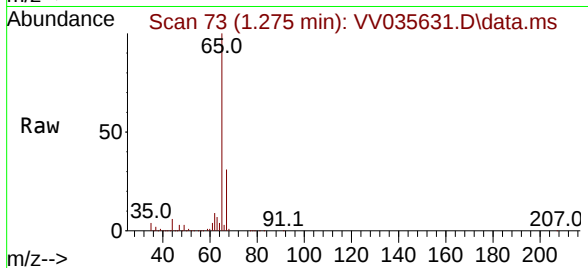
Tgt Ion: 50 Resp: 13268
Ion Ratio Lower Upper
50 100
52 32.9 22.7 42.1





#5
 Vinyl chloride
 Concen: 1.403 ug/L
 RT: 1.275 min Scan# 74
 Delta R.T. -0.003 min
 Lab File: VV035631.D
 Acq: 20 May 2024 12:24

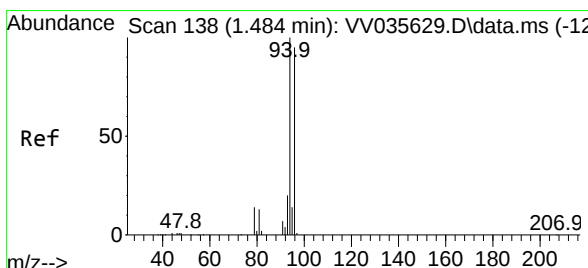
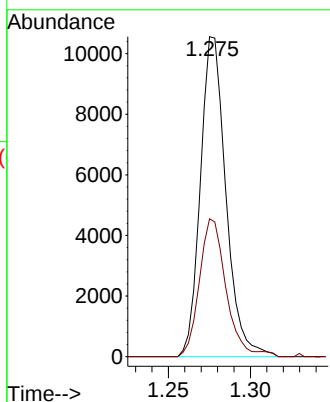
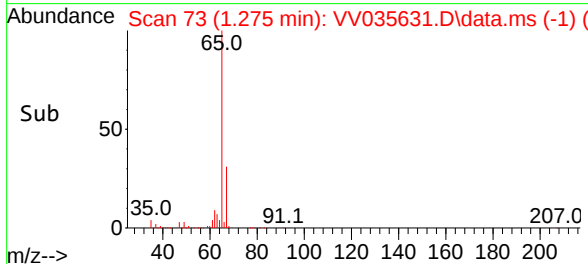
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT2-2024-03



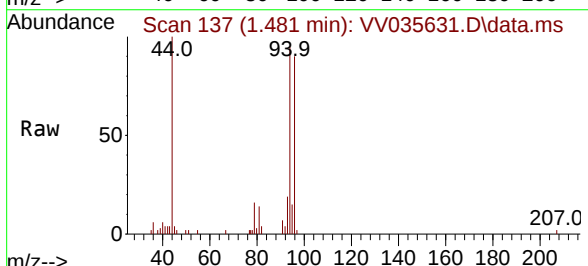
Tgt Ion: 62 Resp: 11418
 Ion Ratio Lower Upper
 62 100
 64 43.1 23.0 42.6

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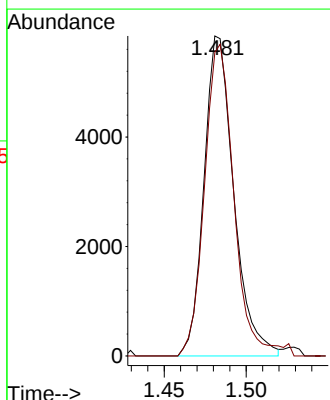
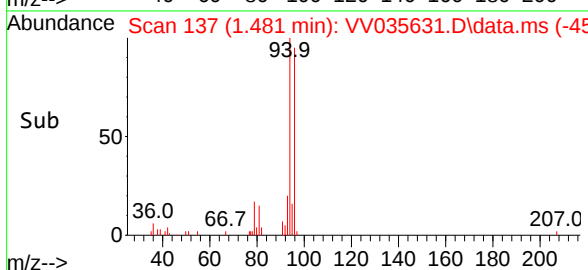
Reviewed By :Mahesh Dadoda 05/21/2024
 Supervised By :Semsettin Yesilyurt 05/21/2024

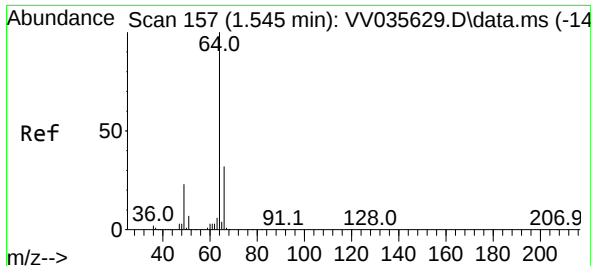


#6
 Bromomethane
 Concen: 1.433 ug/L
 RT: 1.481 min Scan# 137
 Delta R.T. -0.003 min
 Lab File: VV035631.D
 Acq: 20 May 2024 12:24



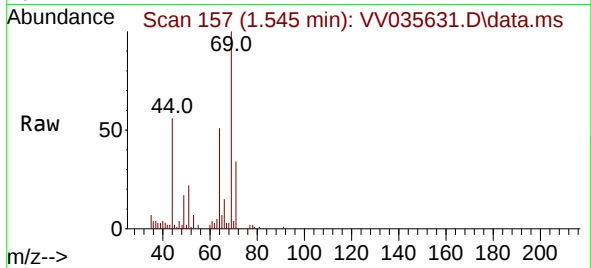
Tgt Ion: 94 Resp: 7384
 Ion Ratio Lower Upper
 94 100
 96 94.9 65.2 121.0





#8
Chloroethane
Concen: 1.338 ug/L
RT: 1.545 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

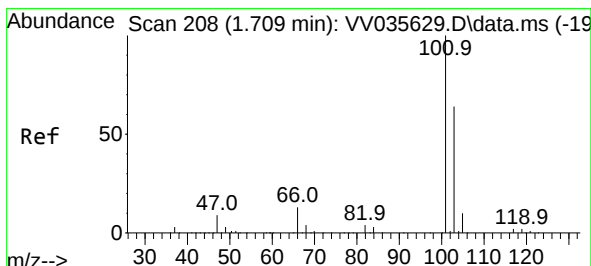
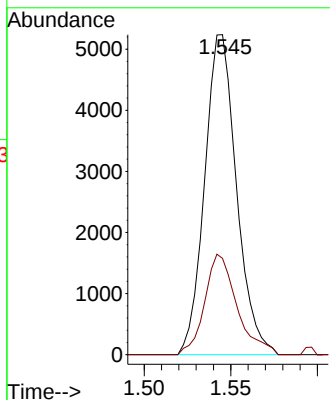
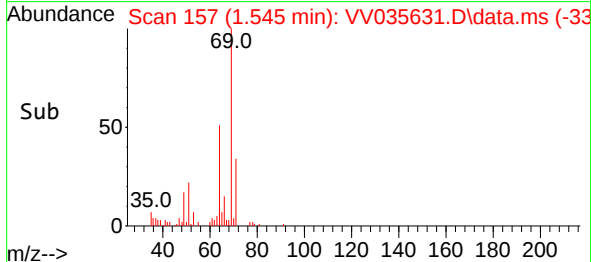
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT2-2024-03



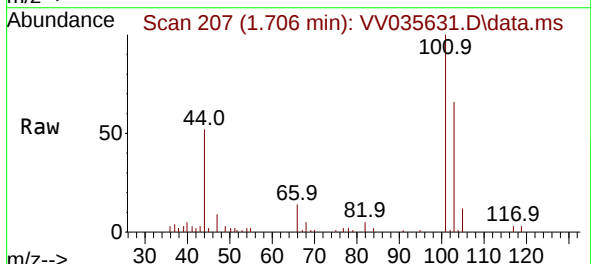
Tgt Ion: 64 Resp: 671
Ion Ratio Lower Upper
64 100
66 30.1 22.0 40.8

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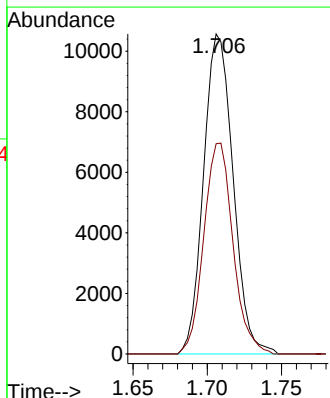
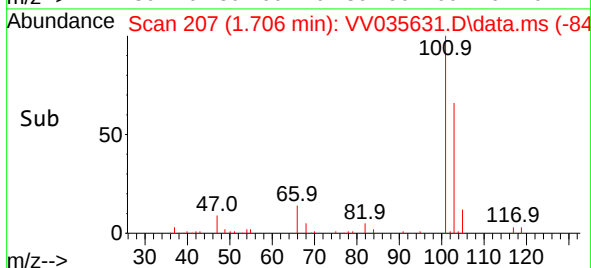
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024

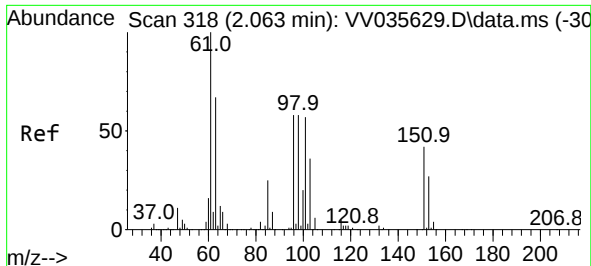


#9
Trichlorofluoromethane
Concen: 1.378 ug/L
RT: 1.706 min Scan# 207
Delta R.T. -0.003 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24



Tgt Ion:101 Resp: 14642
Ion Ratio Lower Upper
101 100
103 65.1 51.5 77.3





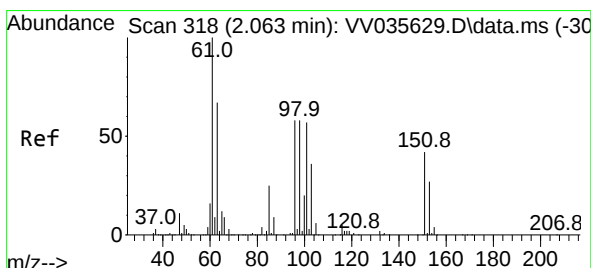
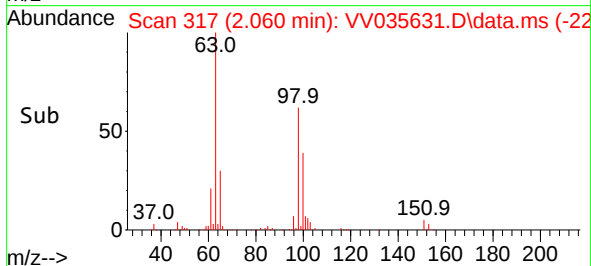
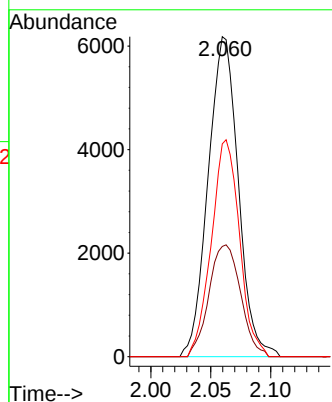
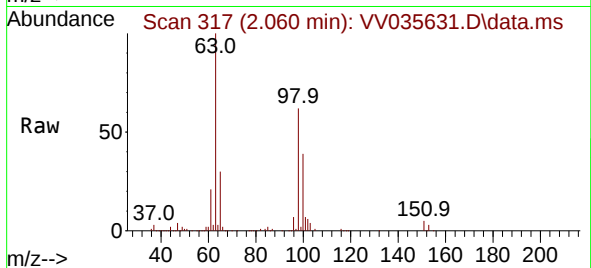
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.614 ug/L
RT: 2.060 min Scan# 317
Delta R.T. -0.003 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT2-2024-03

Tgt Ion:101 Resp: 10814
Ion Ratio Lower Upper
101 100
85 36.7 34.2 51.4
151 63.3 59.5 89.3

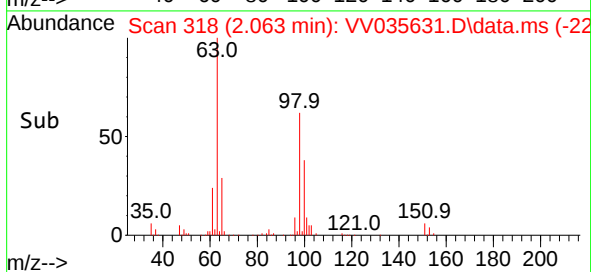
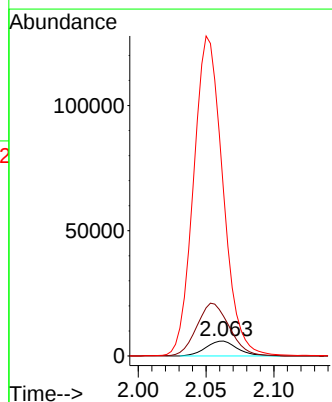
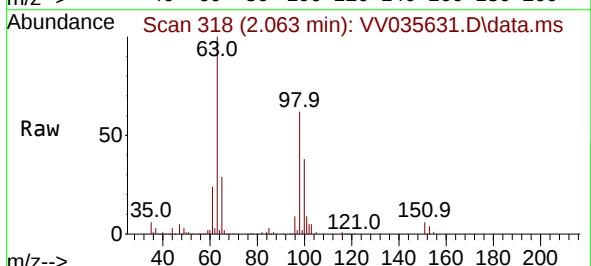
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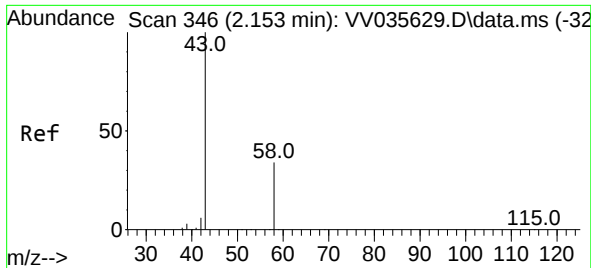
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#12
1,1-Dichloroethene
Concen: 1.596 ug/L
RT: 2.063 min Scan# 318
Delta R.T. 0.000 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Tgt Ion: 96 Resp: 9660
Ion Ratio Lower Upper
96 100
61 266.7 119.8 222.4#
63 1104.7 75.6 140.4#





#13

Acetone

Concen: 3.143 ug/L m

RT: 2.166 min Scan# 3

Delta R.T. 0.013 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

Instrument :

MSVOA_V

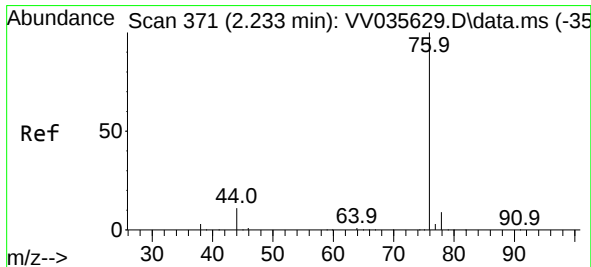
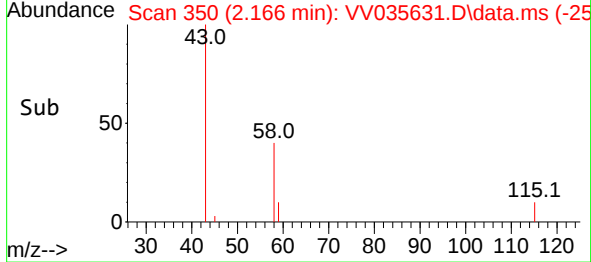
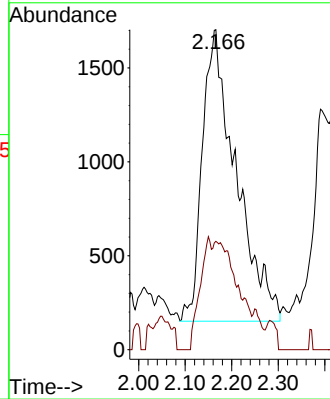
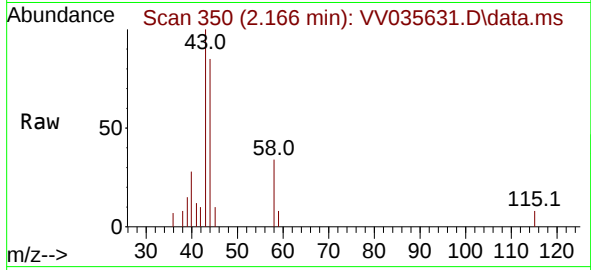
ClientSampleId :

MDL-SOIL-QT2-2024-03

Tgt Ion: 43 Resp: 778
 Ion Ratio Lower Upper
 43 100
 58 0.5 0.0 22.8

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Reviewed By :Mahesh Dadoda 05/21/2024
 Supervised By :Semsettin Yesilyurt 05/21/2024



#14

Carbon disulfide

Concen: 1.368 ug/L

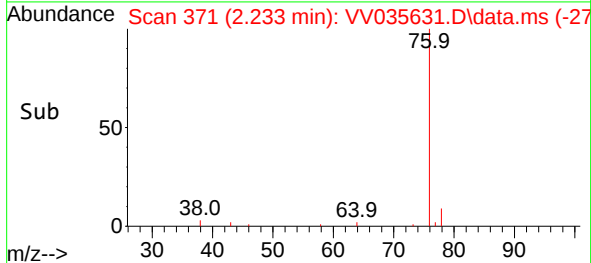
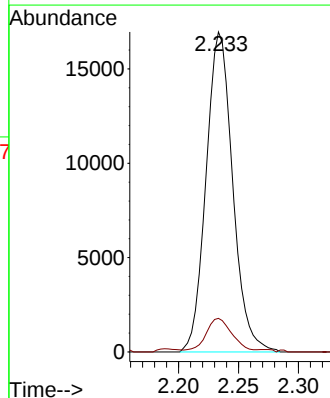
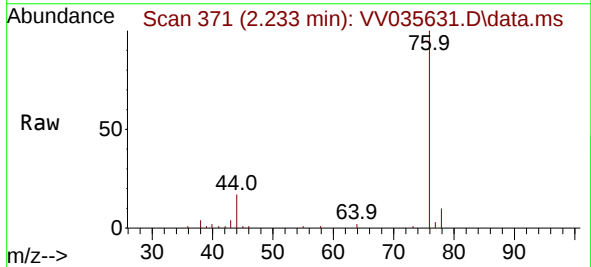
RT: 2.233 min Scan# 371

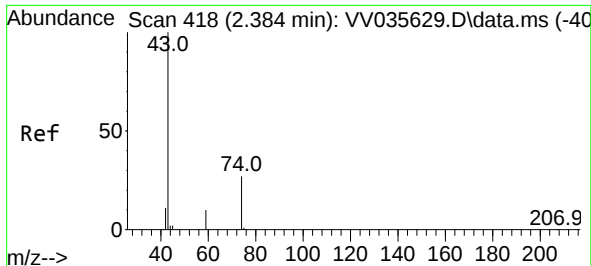
Delta R.T. 0.000 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

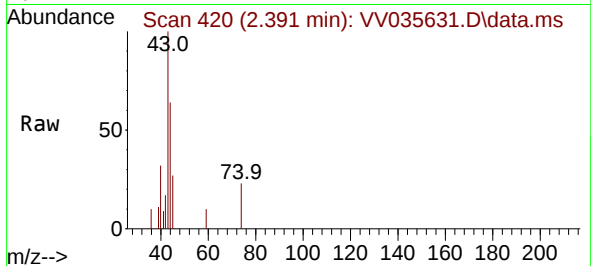
Tgt Ion: 76 Resp: 26220
 Ion Ratio Lower Upper
 76 100
 78 10.5 7.5 11.3





#15
Methyl Acetate
Concen: 1.098 ug/L m
RT: 2.391 min Scan# 418
Delta R.T. 0.006 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

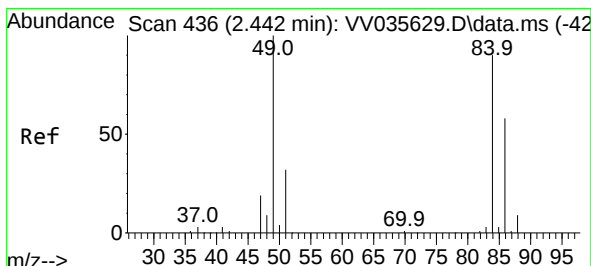
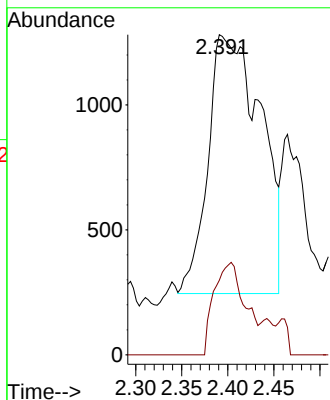
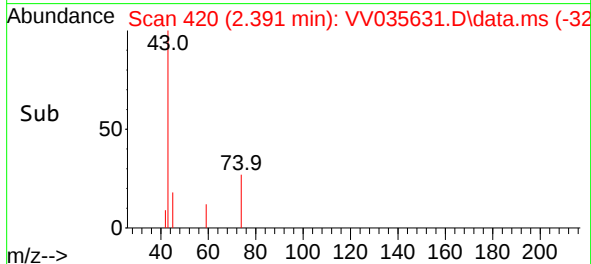
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion: 43 Resp: 412
Ion Ratio Lower Upper
43 100
74 1.1 18.6 27.8

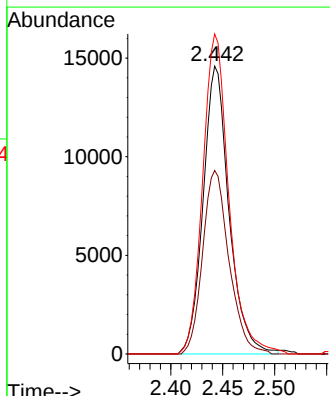
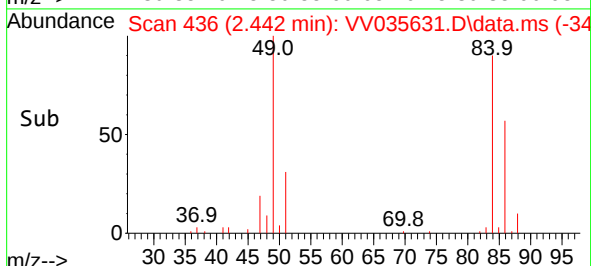
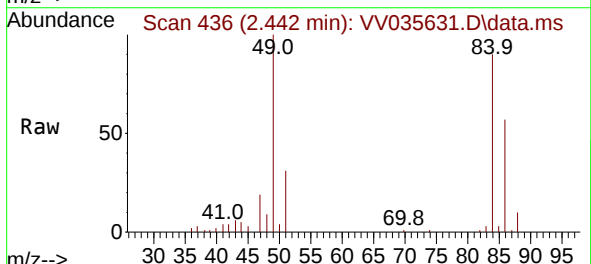
Manual Integrations
APPROVED

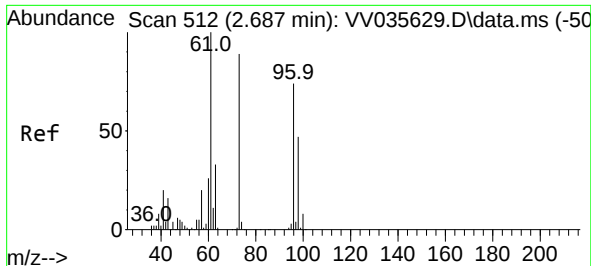
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#16
Methylene chloride
Concen: 2.841 ug/L
RT: 2.442 min Scan# 436
Delta R.T. 0.000 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

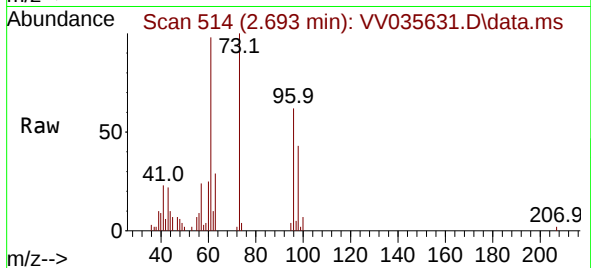
Tgt Ion: 84 Resp: 25278
Ion Ratio Lower Upper
84 100
86 63.8 43.8 81.3
49 111.2 75.3 139.9





#17
trans-1,2-Dichloroethene
Concen: 1.173 ug/L
RT: 2.693 min Scan# 512
Delta R.T. 0.006 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

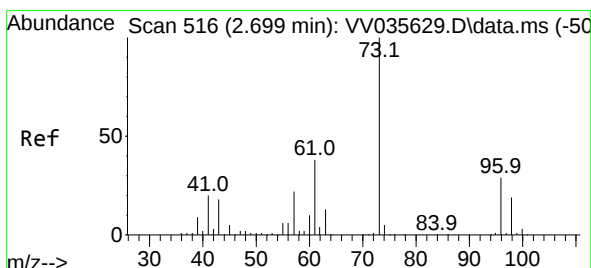
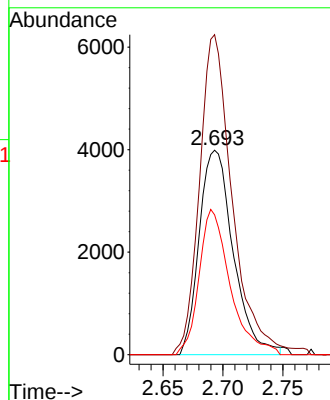
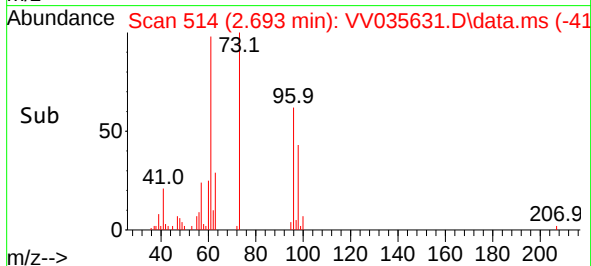
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion: 96 Resp: 788
Ion Ratio Lower Upper
96 100
61 156.5 95.5 177.4
98 68.5 46.0 85.4

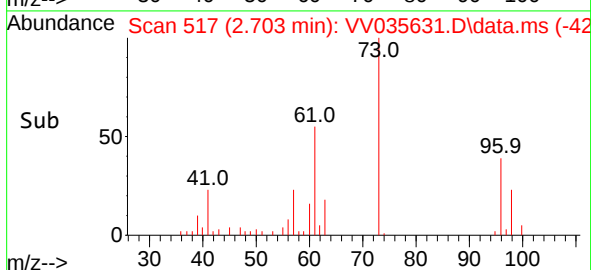
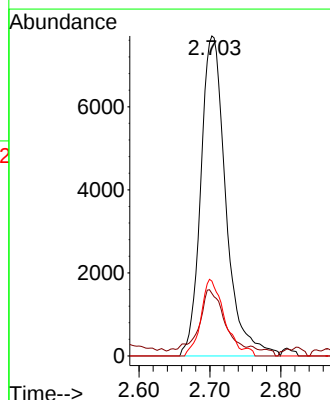
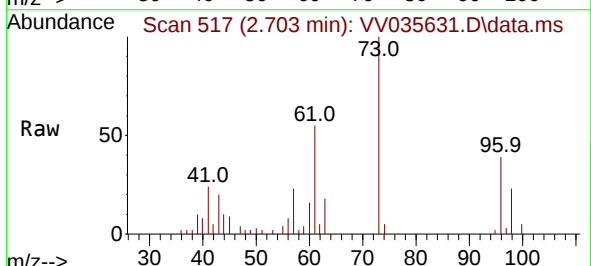
Manual Integrations
APPROVED

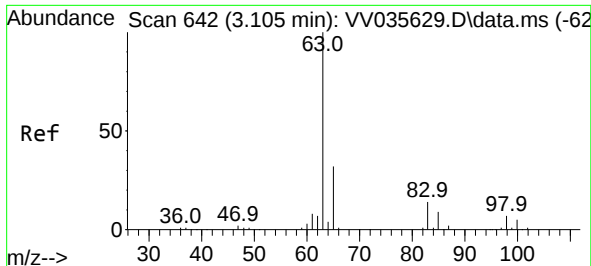
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#18
Methyl tert-butyl Ether
Concen: 1.168 ug/L
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Tgt Ion: 73 Resp: 18926
Ion Ratio Lower Upper
73 100
43 16.2 13.3 19.9
57 21.7 17.4 26.2





#19

1,1-Dichloroethane

Concen: 1.284 ug/L

RT: 3.108 min Scan# 642

Delta R.T. 0.003 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

Instrument :

MSVOA_V

ClientSampleId :

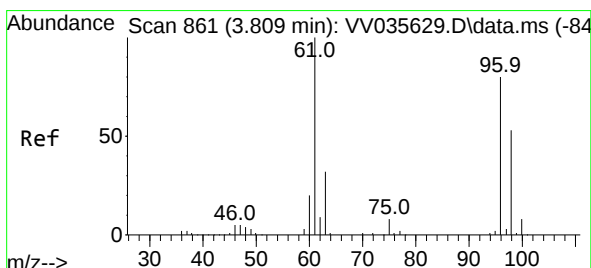
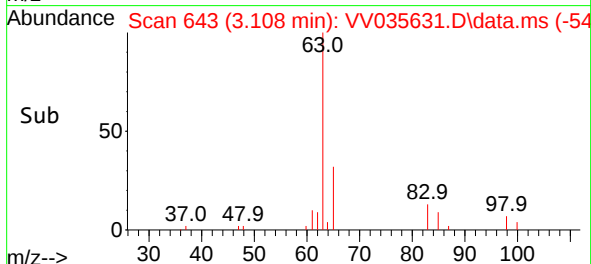
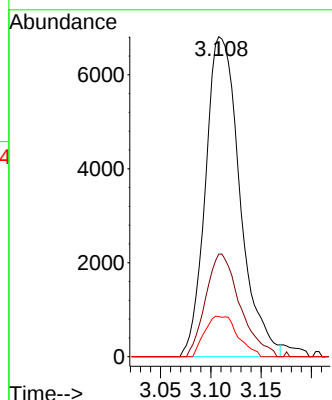
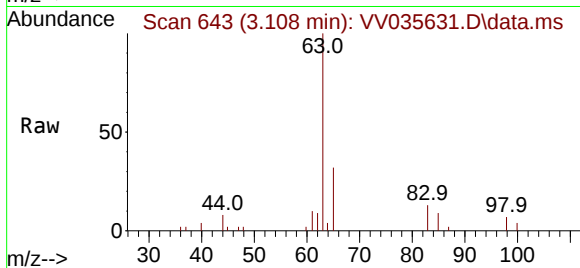
MDL-SOIL-QT2-2024-03

Tgt Ion:	63	Resp:	1618
Ion Ratio	Lower	Upper	
63	100		
65	32.1	22.7	42.3
83	12.6	9.7	17.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#20

cis-1,2-Dichloroethene

Concen: 1.130 ug/L

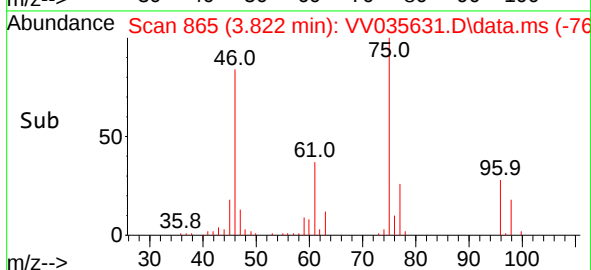
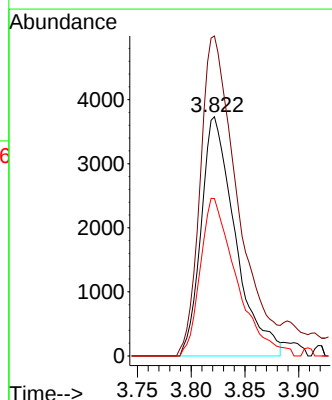
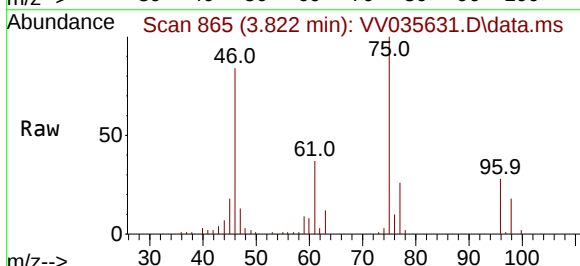
RT: 3.822 min Scan# 865

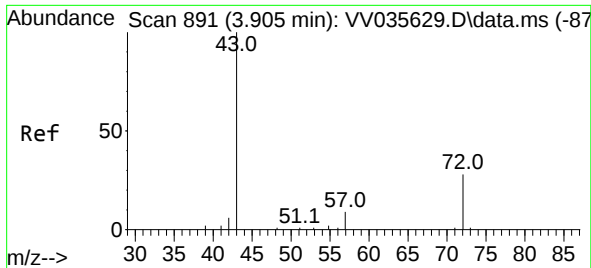
Delta R.T. 0.013 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

Tgt Ion:	96	Resp:	8231
Ion Ratio	Lower	Upper	
96	100		
61	133.8	83.9	155.9
98	65.8	44.0	81.8





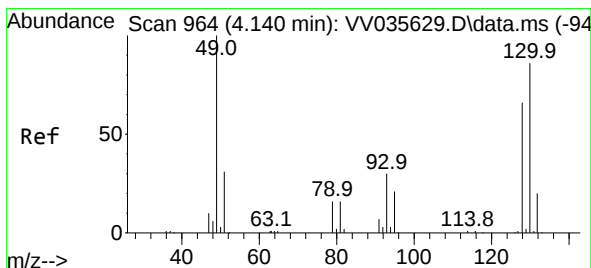
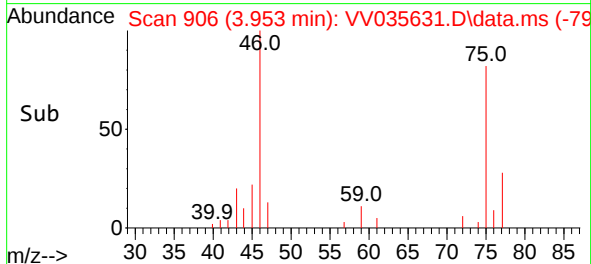
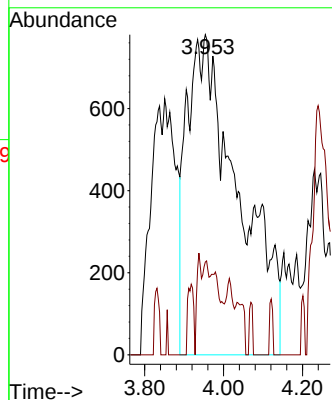
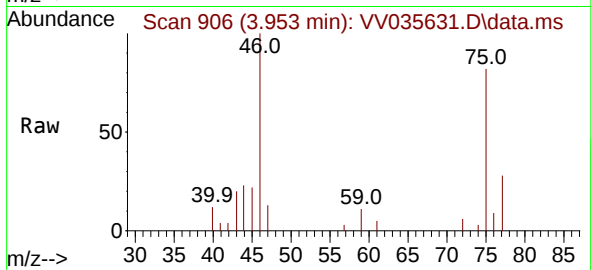
#22
2-Butanone
Concen: 3.087 ug/L m
RT: 3.953 min Scan# 906
Delta R.T. 0.048 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT2-2024-03

Tgt Ion: 43 Resp: 710
Ion Ratio Lower Upper
43 100
72 1.2 12.3 36.9

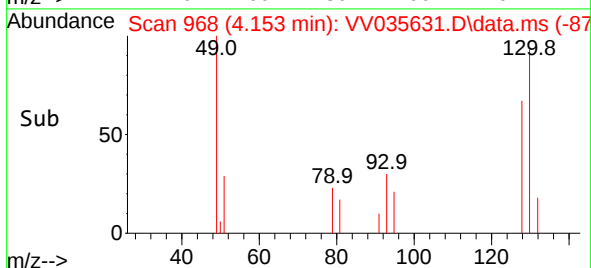
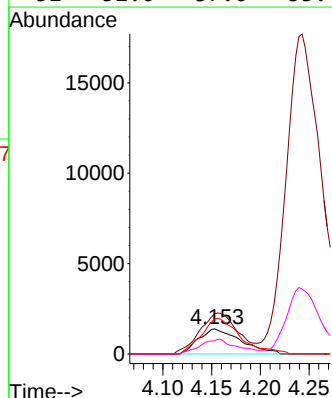
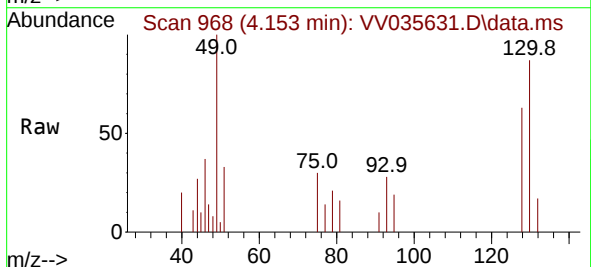
Manual Integrations
APPROVED

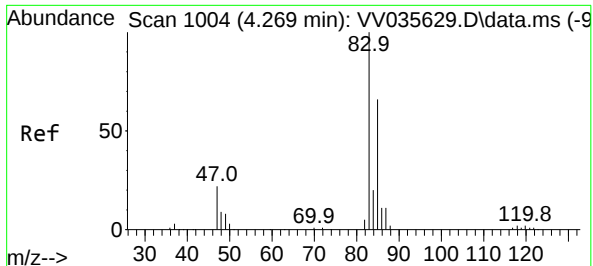
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#23
Bromochloromethane
Concen: 1.181 ug/L
RT: 4.153 min Scan# 968
Delta R.T. 0.013 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Tgt Ion:128 Resp: 4161
Ion Ratio Lower Upper
128 100
49 159.4 103.1 191.5
130 138.3 91.8 170.4
51 52.0 37.0 55.4





#25

Chloroform

Concen: 1.618 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. 0.003 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT2-2024-03

Tgt Ion: 83 Resp: 2104

Ion Ratio Lower Upper

83 100

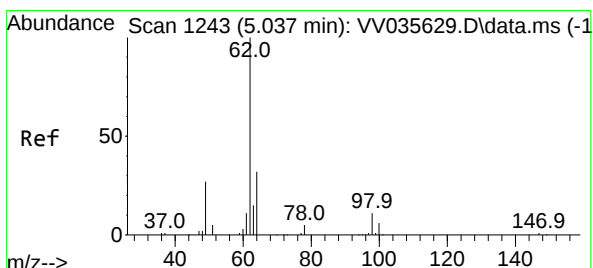
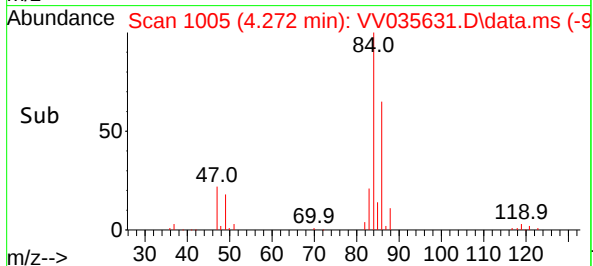
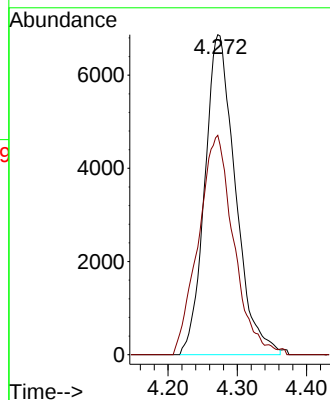
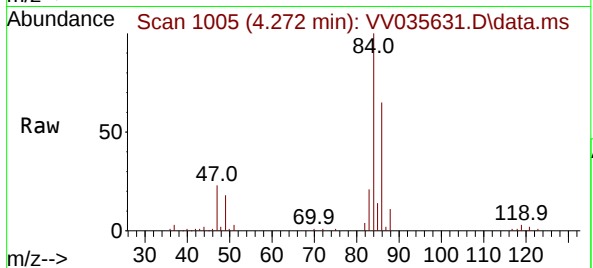
85 68.6 44.7 82.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/21/2024

Supervised By :Semsettin Yesilyurt 05/21/2024



#27

1,2-Dichloroethane

Concen: 1.081 ug/L

RT: 5.059 min Scan# 1250

Delta R.T. 0.023 min

Lab File: VV035631.D

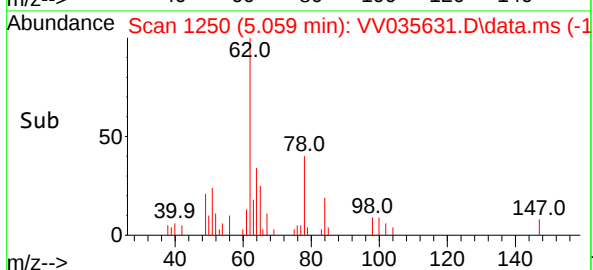
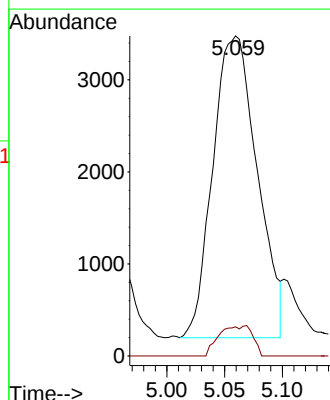
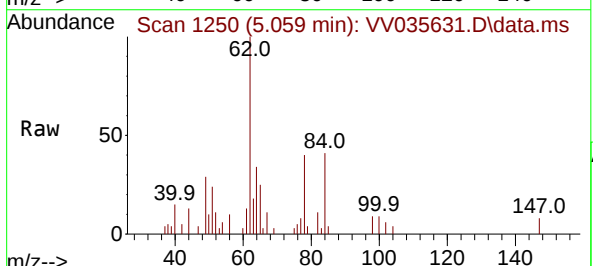
Acq: 20 May 2024 12:24

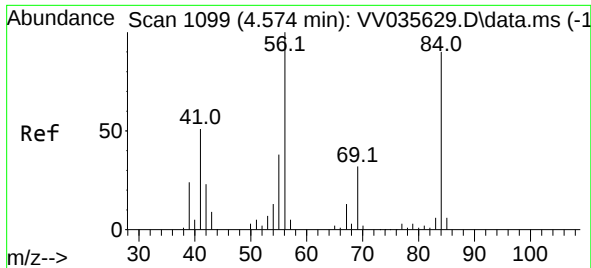
Tgt Ion: 62 Resp: 8757

Ion Ratio Lower Upper

62 100

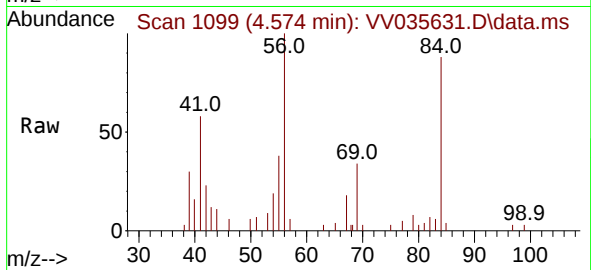
98 9.1 8.2 12.2





#29
Cyclohexane
Concen: 1.101 ug/L
RT: 4.574 min Scan# 1099
Delta R.T. 0.000 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

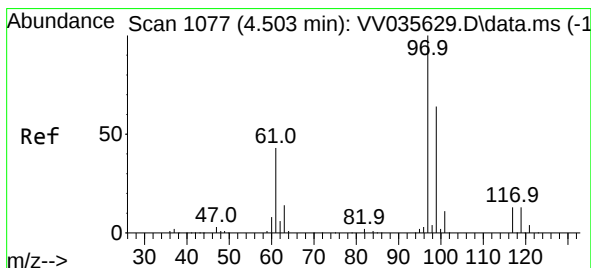
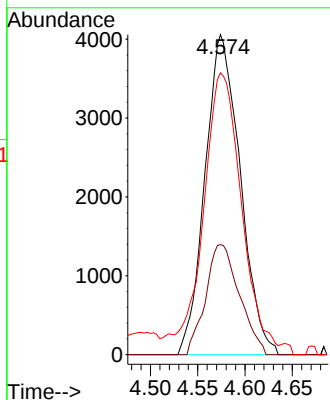
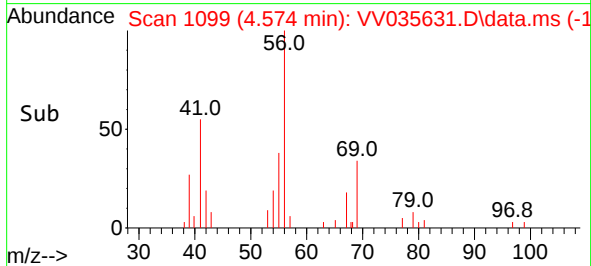
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion: 56 Resp: 1052
Ion Ratio Lower Upper
56 100
69 32.9 25.6 38.4
84 89.1 74.8 112.2

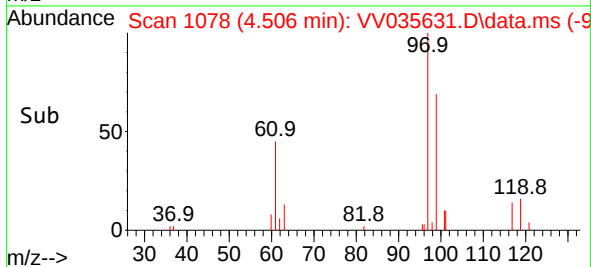
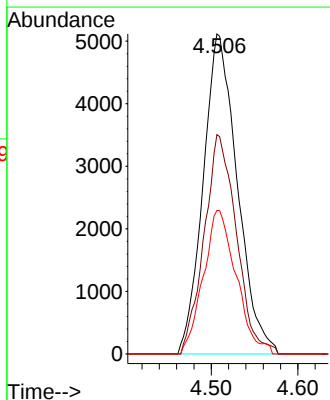
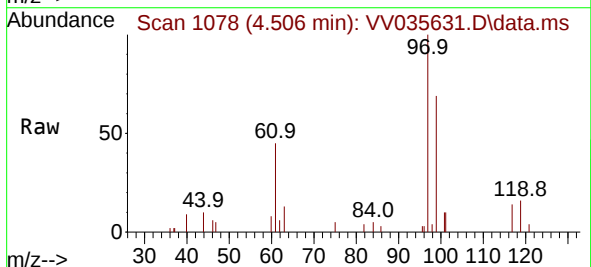
Manual Integrations
APPROVED

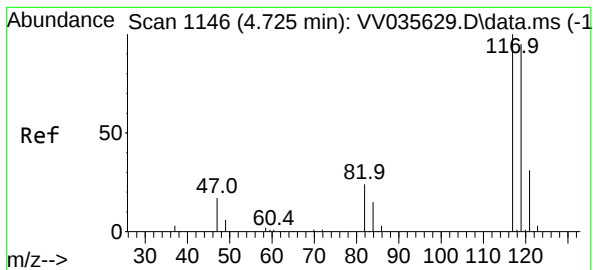
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#30
1,1,1-Trichloroethane
Concen: 1.264 ug/L
RT: 4.506 min Scan# 1078
Delta R.T. 0.003 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

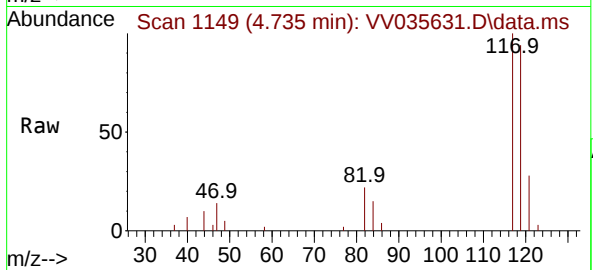
Tgt Ion: 97 Resp: 14011
Ion Ratio Lower Upper
97 100
99 64.9 51.7 77.5
61 42.7 33.5 50.3





#31
Carbon tetrachloride
Concen: 1.262 ug/L
RT: 4.735 min Scan# 1146
Delta R.T. 0.010 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

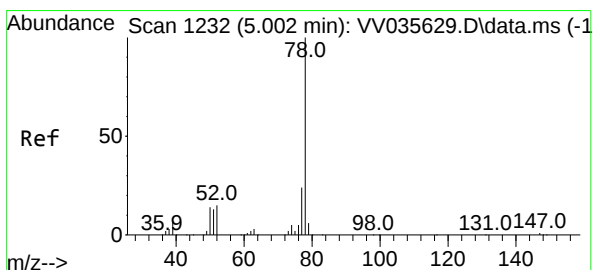
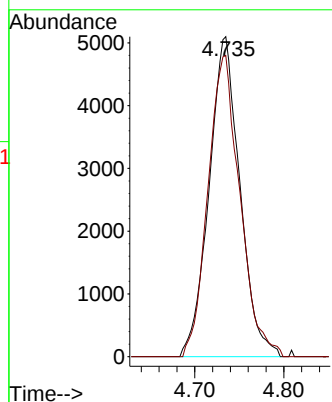
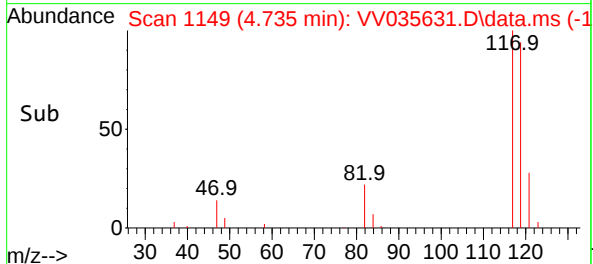
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion:117 Resp: 12270
Ion Ratio Lower Upper
117 100
119 97.5 77.3 115.9

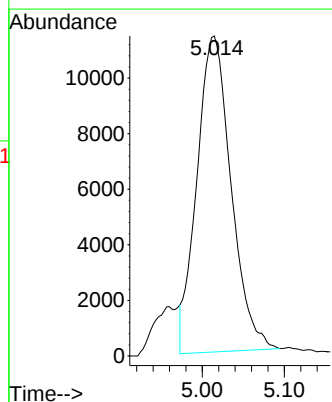
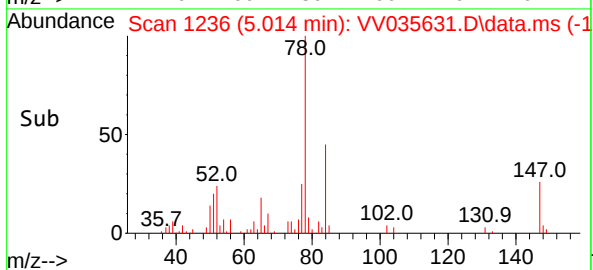
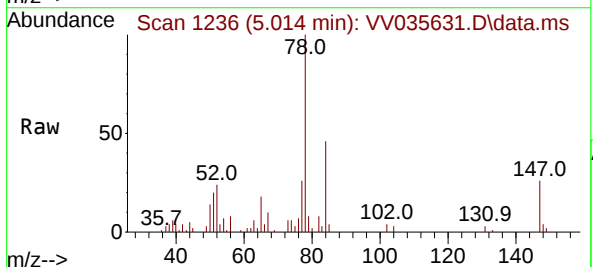
Manual Integrations
APPROVED

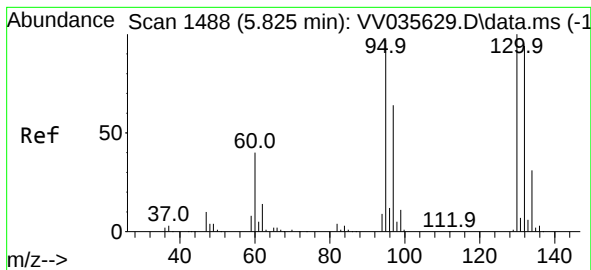
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#33
Benzene
Concen: 1.244 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.013 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Tgt Ion: 78 Resp: 32927





#34

Trichloroethene

Concen: 1.335 ug/L

RT: 5.834 min Scan# 1488

Delta R.T. 0.010 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT2-2024-03

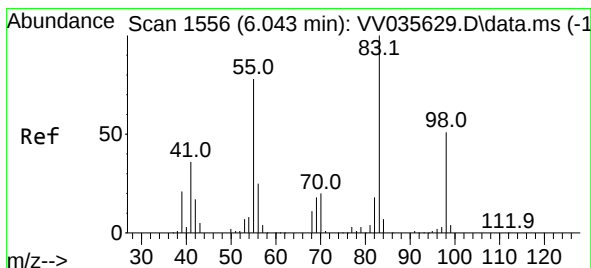
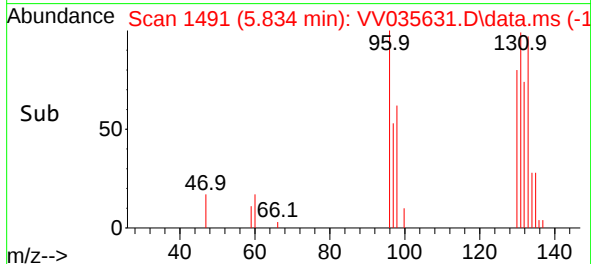
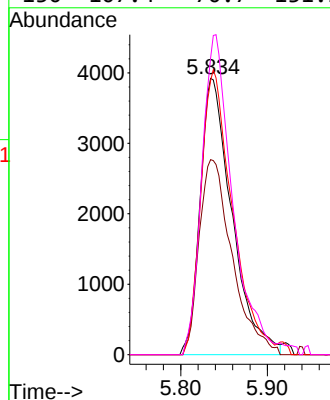
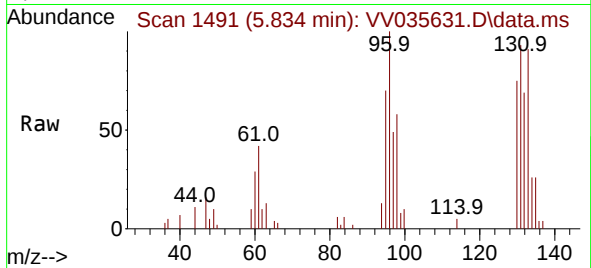
Tgt Ion: 95 Resp: 999

Ion	Ratio	Lower	Upper
95	100		
97	70.6	43.8	81.4
132	99.2	67.1	124.7
130	107.4	70.7	131.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#35

Methylcyclohexane

Concen: 1.009 ug/L

RT: 6.043 min Scan# 1556

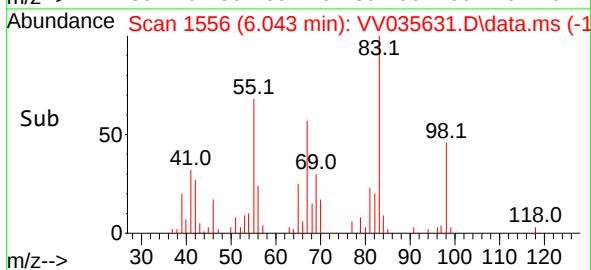
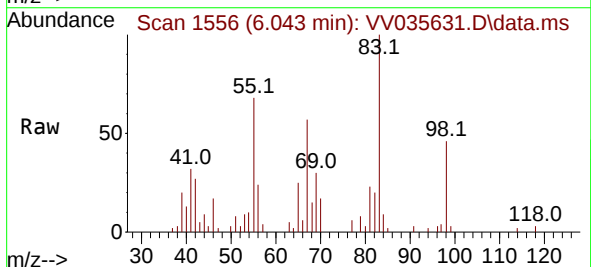
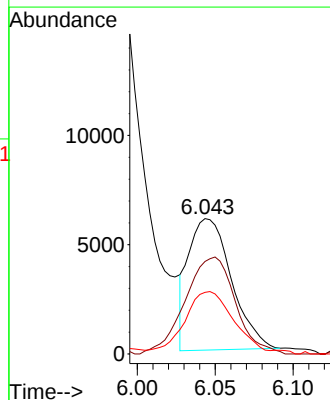
Delta R.T. 0.000 min

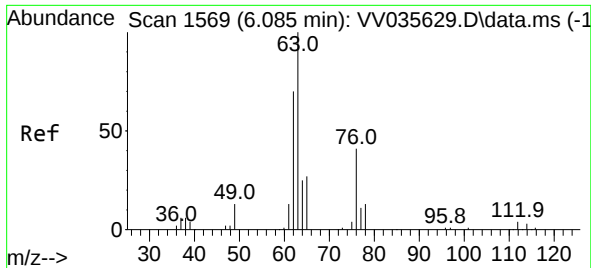
Lab File: VV035631.D

Acq: 20 May 2024 12:24

Tgt Ion: 83 Resp: 11470

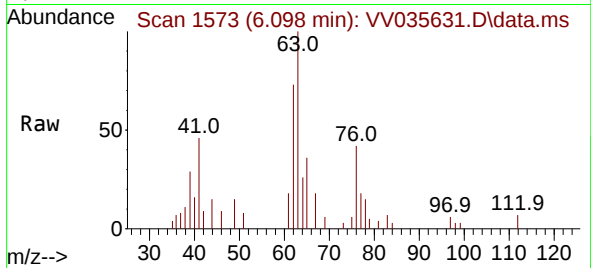
Ion	Ratio	Lower	Upper
83	100		
55	86.5	57.5	86.3#
98	50.5	38.6	58.0





#37
1,2-Dichloropropane
Concen: 1.176 ug/L
RT: 6.098 min Scan# 1569
Delta R.T. 0.013 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

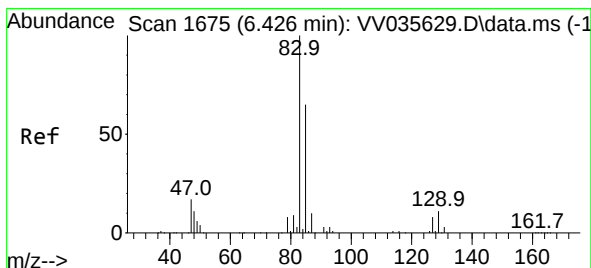
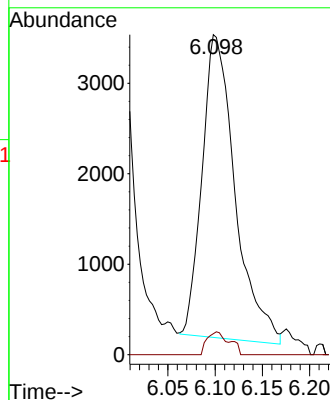
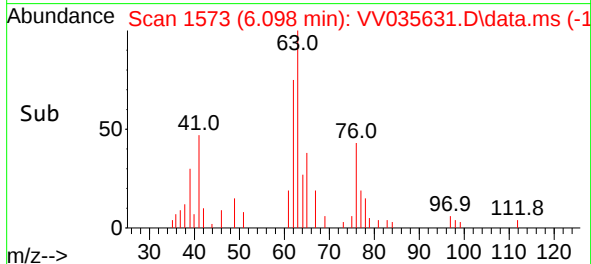
Instrument : MSVOA_V
ClientSampleId : MDL-SOIL-QT2-2024-03



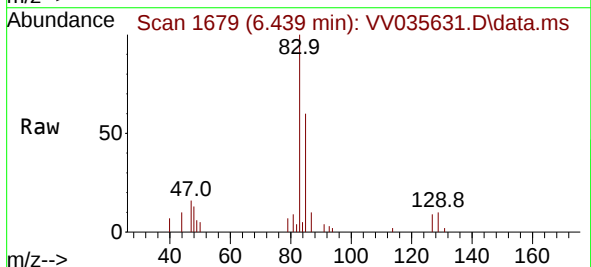
Tgt Ion: 63 Resp: 8118
Ion Ratio Lower Upper
63 100
112 4.1 3.8 5.6

Manual Integrations
APPROVED

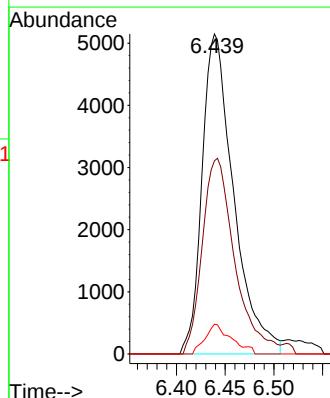
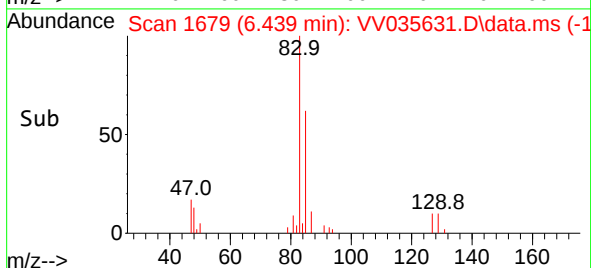
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024

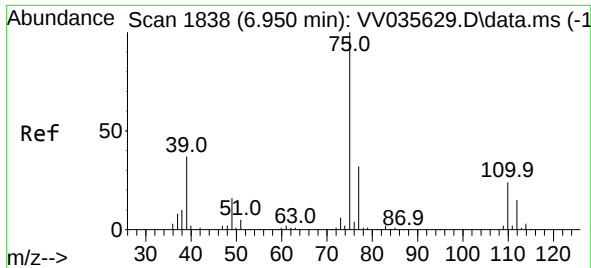


#38
Bromodichloromethane
Concen: 1.241 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. 0.013 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24



Tgt Ion: 83 Resp: 11608
Ion Ratio Lower Upper
83 100
85 60.4 45.1 83.9
127 9.3 7.0 10.6





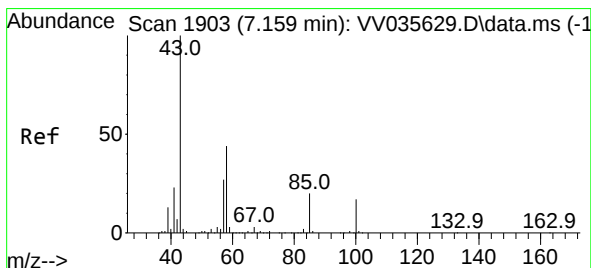
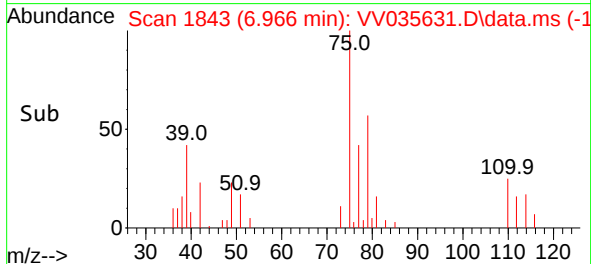
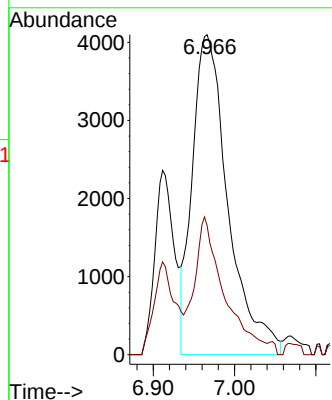
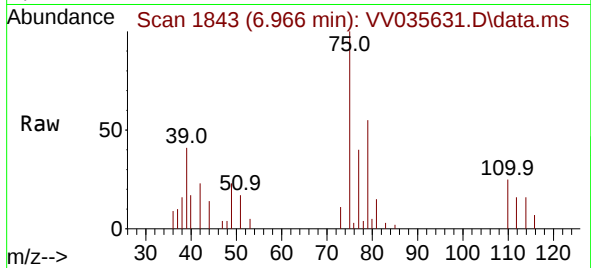
#39
 cis-1,3-Dichloropropene
 Concen: 1.158 ug/L m
 RT: 6.966 min Scan# 11
 Delta R.T. 0.016 min
 Lab File: VV035631.D
 Acq: 20 May 2024 12:24

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT2-2024-03

Tgt Ion: 75 Resp: 1250
 Ion Ratio Lower Upper
 75 100
 77 40.4 22.5 41.9

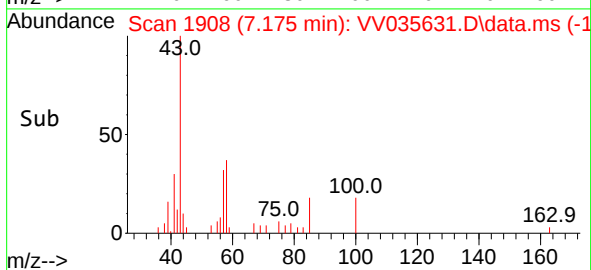
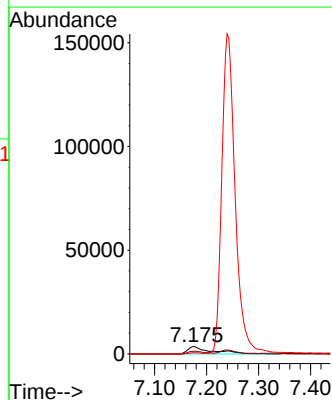
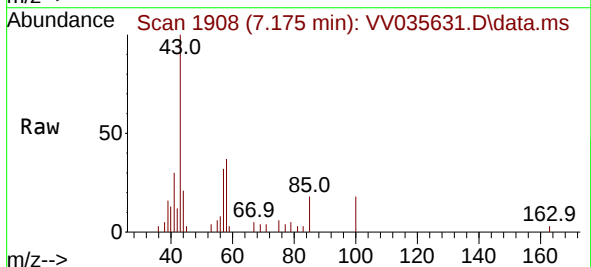
Manual Integrations
 APPROVED

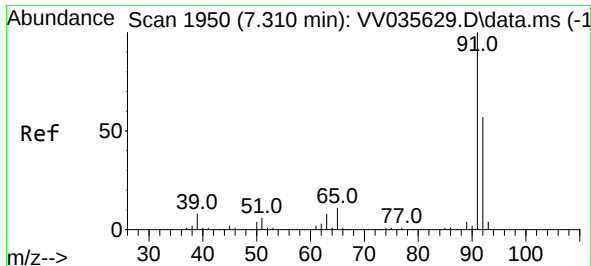
Reviewed By :Mahesh Dadoda 05/21/2024
 Supervised By :Semsettin Yesilyurt 05/21/2024



#40
 4-Methyl-2-pentanone
 Concen: 2.979 ug/L m
 RT: 7.175 min Scan# 1908
 Delta R.T. 0.016 min
 Lab File: VV035631.D
 Acq: 20 May 2024 12:24

Tgt Ion: 43 Resp: 12319
 Ion Ratio Lower Upper
 43 100
 58 20.7 34.8 52.2#
 100 8.6 13.9 20.9#





#42

Toluene

Concen: 1.195 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.013 min

Lab File: VV035631.D

Acq: 20 May 2024 12:24

Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT2-2024-03

Tgt Ion: 91 Resp: 33470

Ion Ratio Lower Upper

91 100

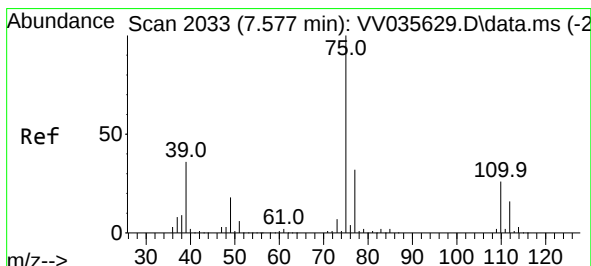
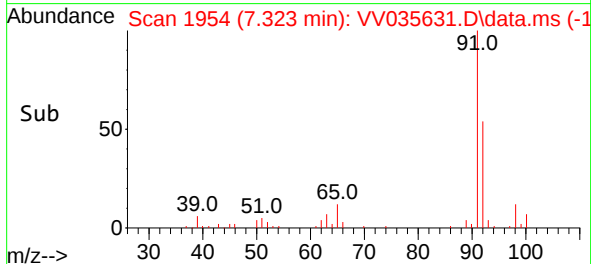
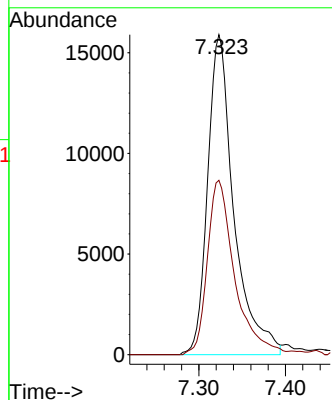
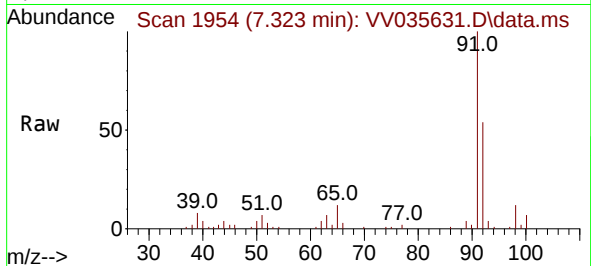
92 54.5 40.2 74.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/21/2024

Supervised By :Semsettin Yesilyurt 05/21/2024



#44

trans-1,3-Dichloropropene

Concen: 1.184 ug/L m

RT: 7.596 min Scan# 2039

Delta R.T. 0.019 min

Lab File: VV035631.D

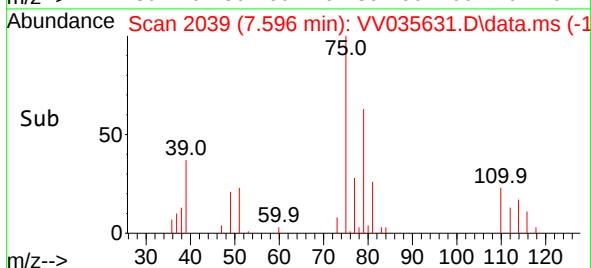
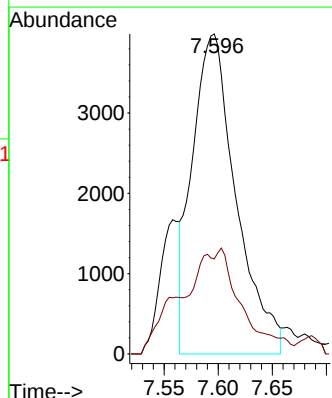
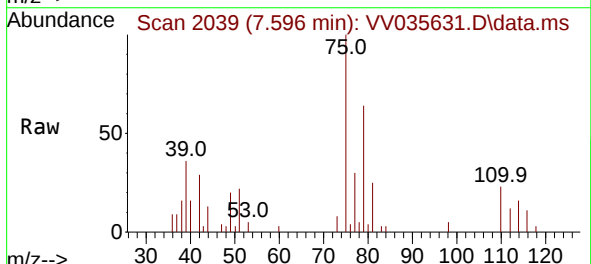
Acq: 20 May 2024 12:24

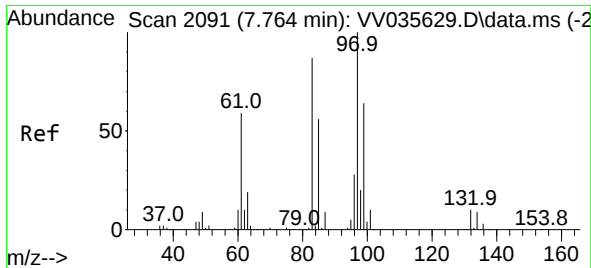
Tgt Ion: 75 Resp: 11189

Ion Ratio Lower Upper

75 100

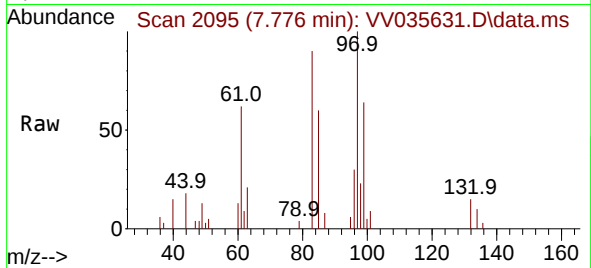
77 29.7 22.4 41.6





#45
1,1,2-Trichloroethane
Concen: 1.183 ug/L
RT: 7.776 min Scan# 2091
Delta R.T. 0.013 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

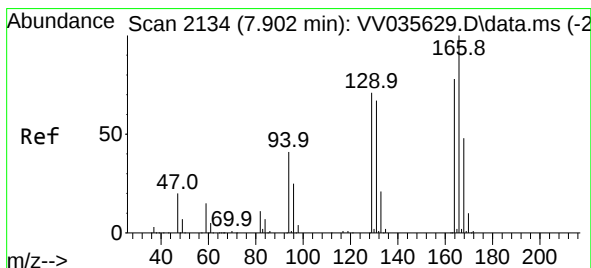
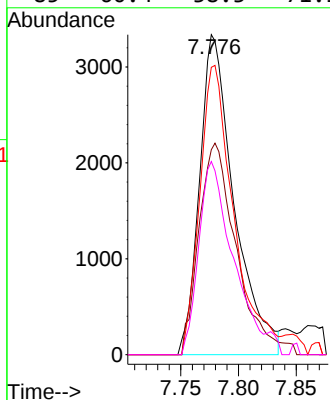
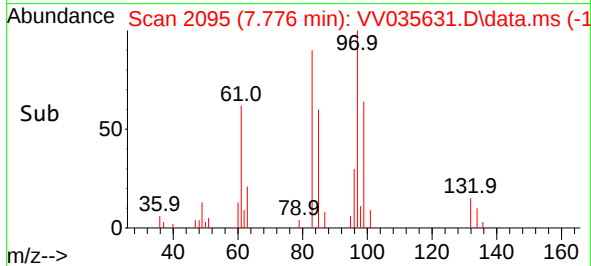
Instrument : MSVOA_V
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	43.3	80.3
83	89.8	60.3	111.9
85	60.4	38.3	71.1

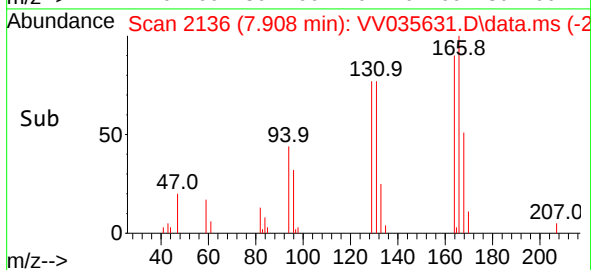
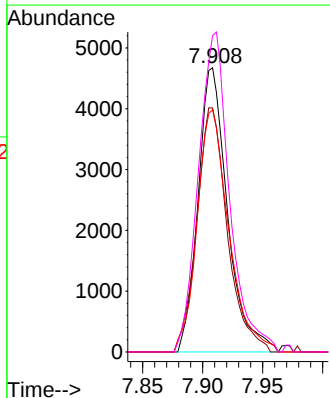
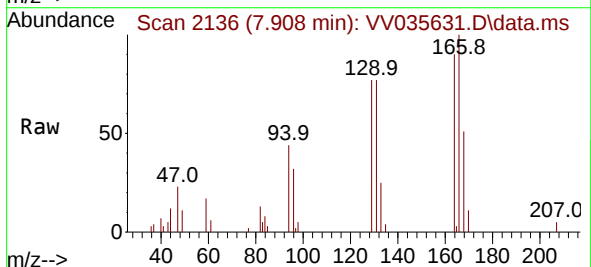
Manual Integrations
APPROVED

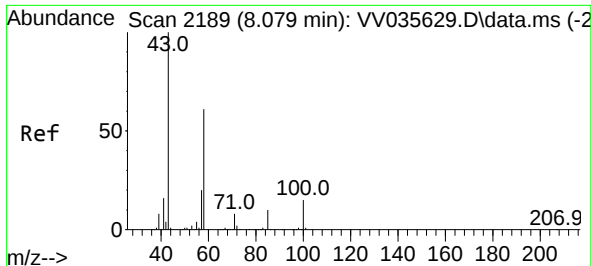
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#46
Tetrachloroethene
Concen: 1.315 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.006 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

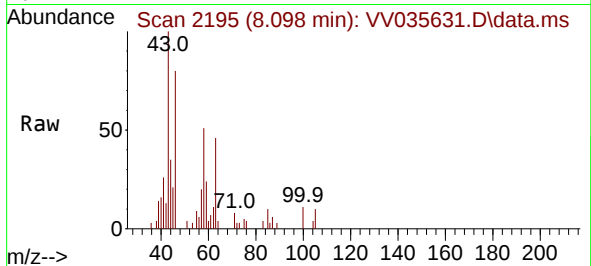
Tgt Ion	Ratio	Lower	Upper
164	100		
129	83.5	63.4	117.8
131	82.8	61.0	113.4
166	108.2	88.8	164.8





#48
2-Hexanone
Concen: 3.579 ug/L m
RT: 8.098 min Scan# 2189
Delta R.T. 0.019 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

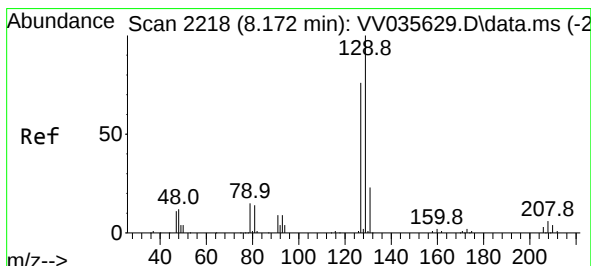
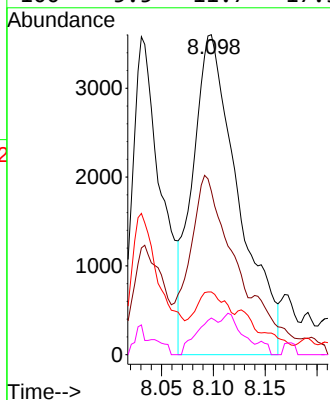
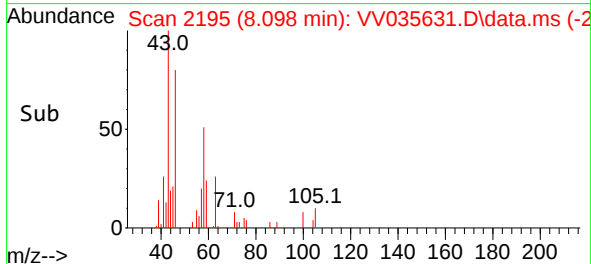
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion: 43 Resp: 11098
Ion Ratio Lower Upper
43 100
58 34.3 48.8 73.2
57 3.2 16.9 25.3
100 5.5 11.7 17.5

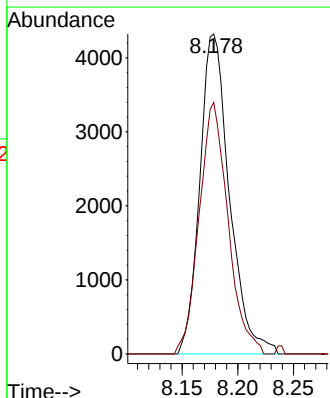
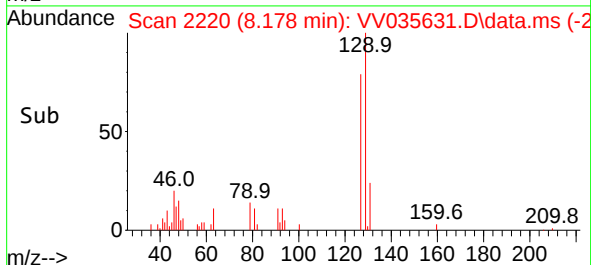
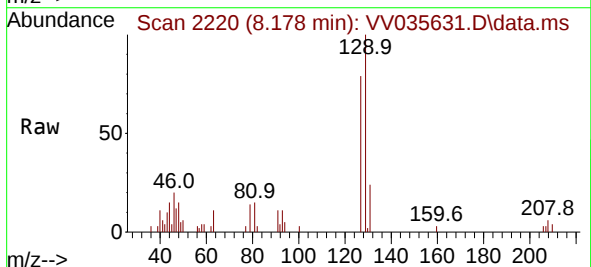
Manual Integrations
APPROVED

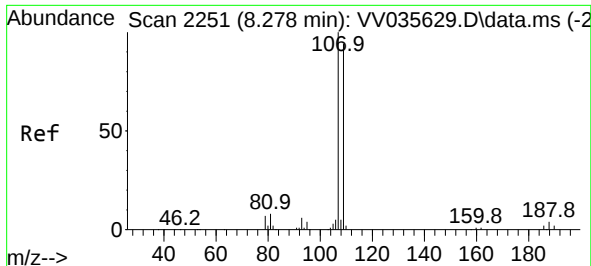
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#49
Dibromochloromethane
Concen: 1.209 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.006 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

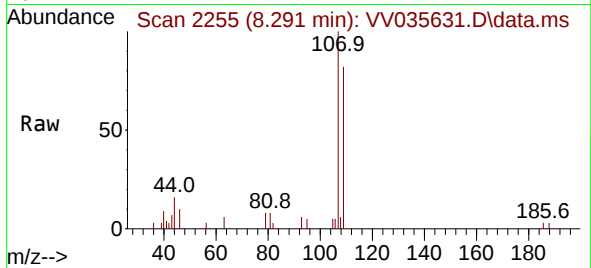
Tgt Ion:129 Resp: 8002
Ion Ratio Lower Upper
129 100
127 78.6 53.8 99.8





#50
1,2-Dibromoethane
Concen: 1.327 ug/L
RT: 8.291 min Scan# 21
Delta R.T. 0.013 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

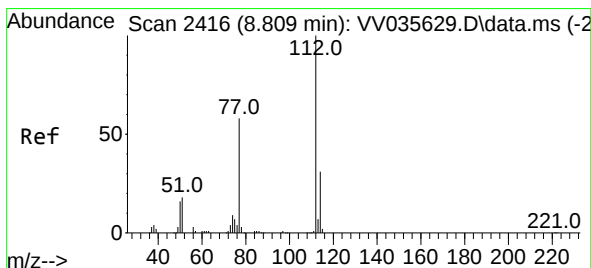
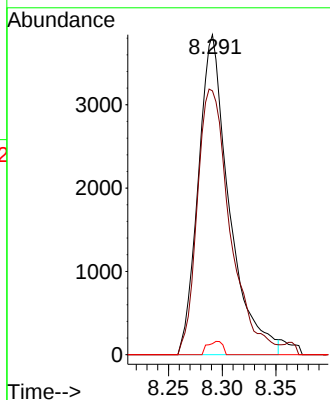
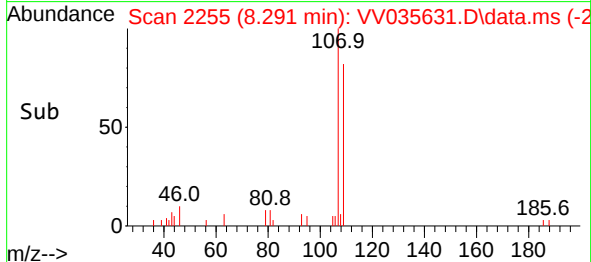
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion:107 Resp: 7670
Ion Ratio Lower Upper
107 100
109 82.4 65.4 121.4
188 3.5 2.9 4.3

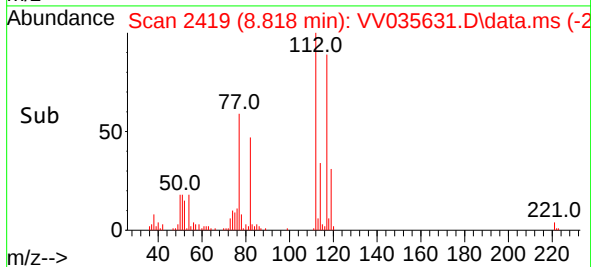
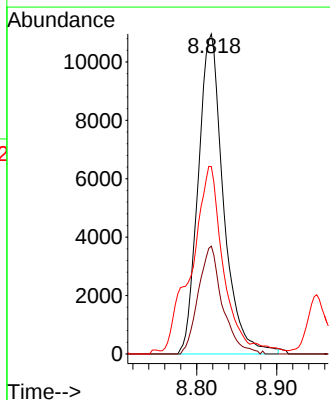
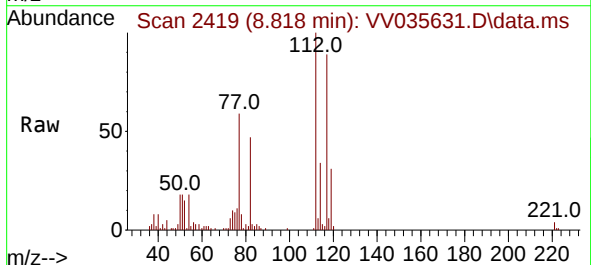
Manual Integrations
APPROVED

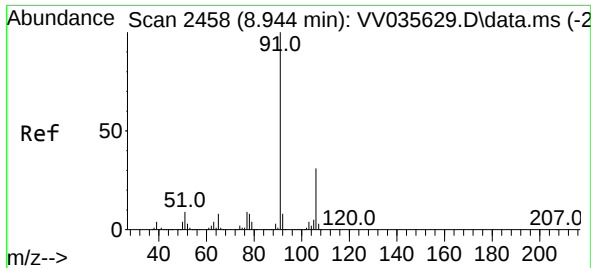
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#51
Chlorobenzene
Concen: 1.239 ug/L
RT: 8.818 min Scan# 2419
Delta R.T. 0.010 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Tgt Ion:112 Resp: 24082
Ion Ratio Lower Upper
112 100
114 33.7 22.5 41.7
77 58.5 46.6 69.8





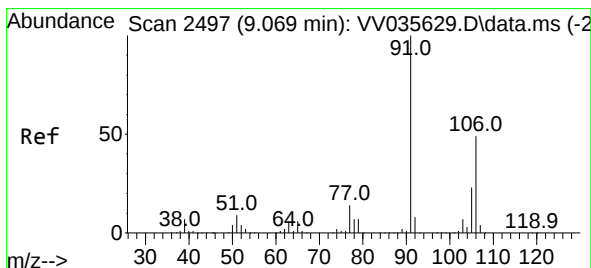
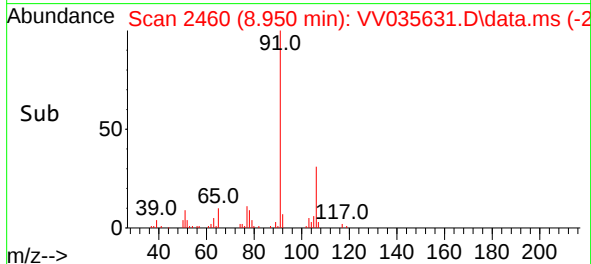
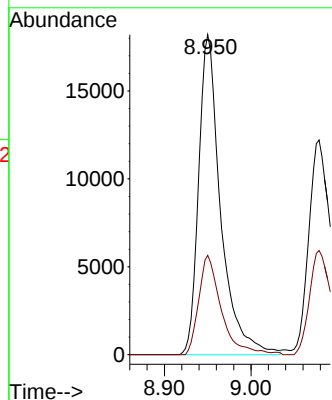
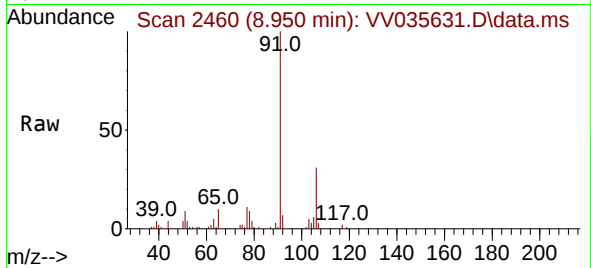
#52
Ethylbenzene
Concen: 1.039 ug/L
RT: 8.950 min Scan# 2458
Delta R.T. 0.006 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT2-2024-03

Tgt Ion: 91 Resp: 3213
Ion Ratio Lower Upper
91 100
106 31.0 21.7 40.3

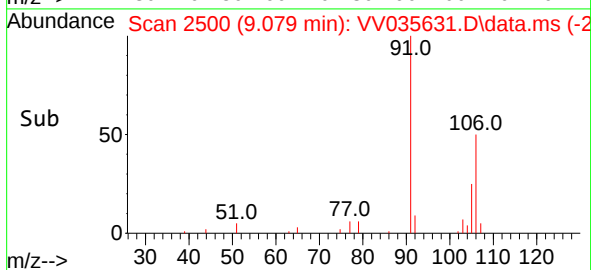
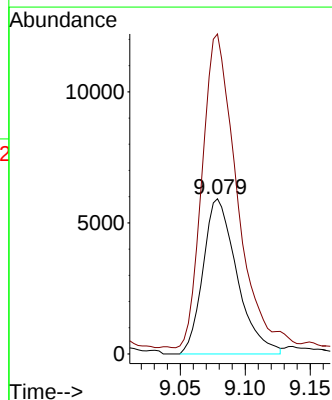
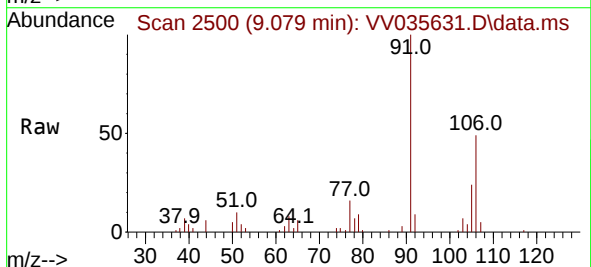
Manual Integrations
APPROVED

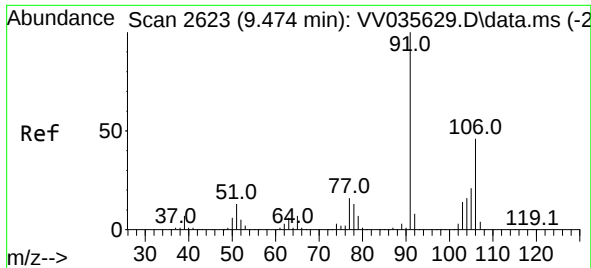
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#53
m,p-Xylene
Concen: 0.917 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. 0.010 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Tgt Ion:106 Resp: 10759
Ion Ratio Lower Upper
106 100
91 206.1 142.7 264.9





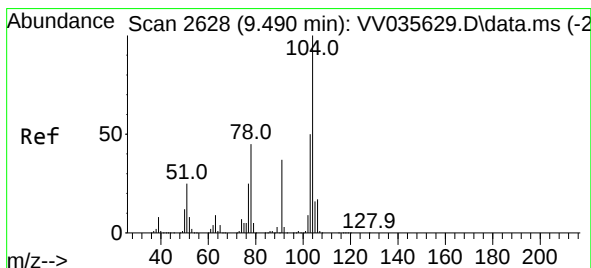
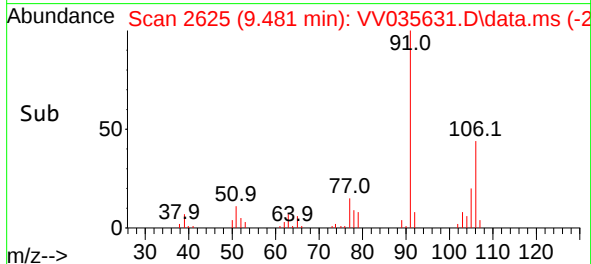
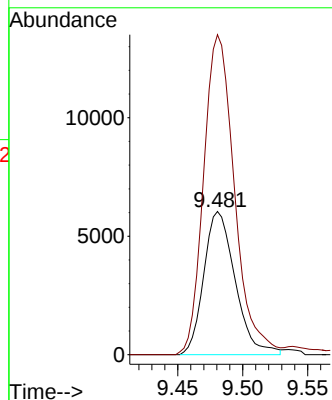
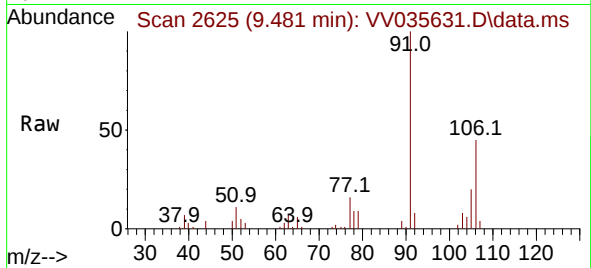
#54
o-Xylene
Concen: 0.914 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.006 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Instrument : MSVOA_V
ClientSampleId :
MDL-SOIL-QT2-2024-03

Tgt Ion:106 Resp: 1016
Ion Ratio Lower Upper
106 100
91 223.4 150.9 280.3

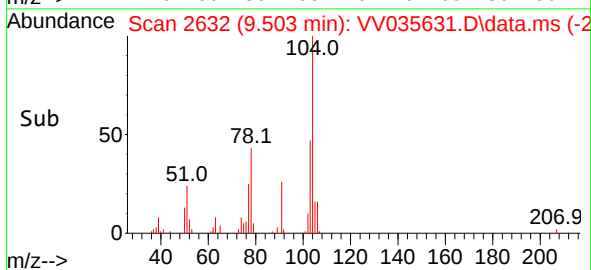
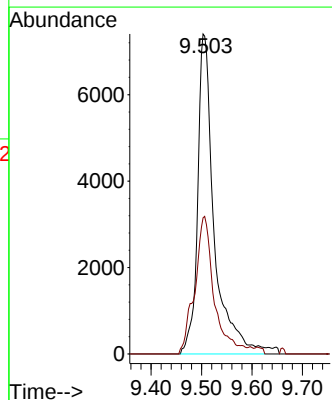
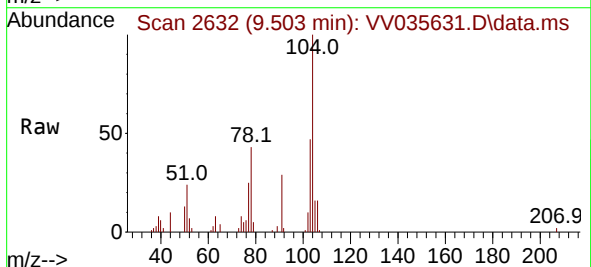
Manual Integrations
APPROVED

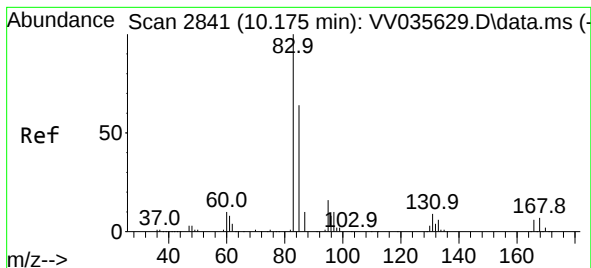
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#55
Styrene
Concen: 0.877 ug/L m
RT: 9.503 min Scan# 2632
Delta R.T. 0.013 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

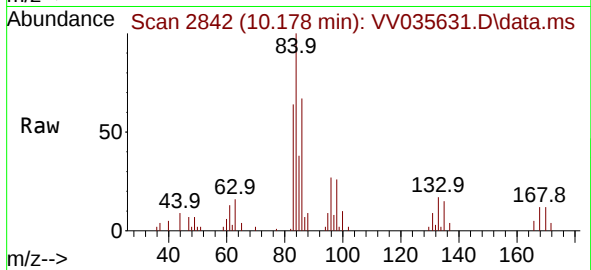
Tgt Ion:104 Resp: 17016
Ion Ratio Lower Upper
104 100
78 42.6 30.0 55.6





#57
1,1,2,2-Tetrachloroethane
Concen: 1.229 ug/L
RT: 10.178 min Scan# 2841
Delta R.T. 0.003 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

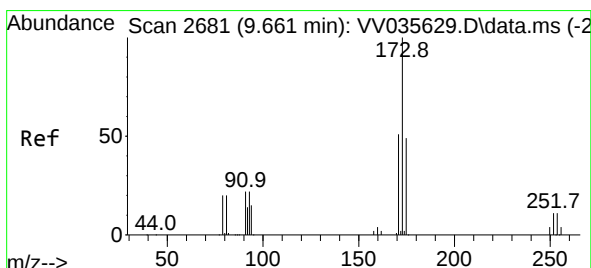
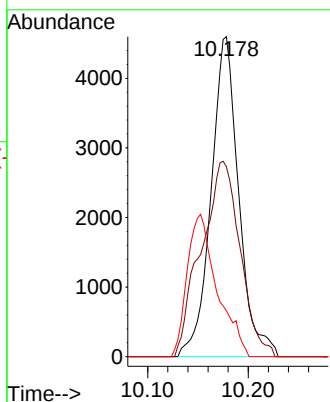
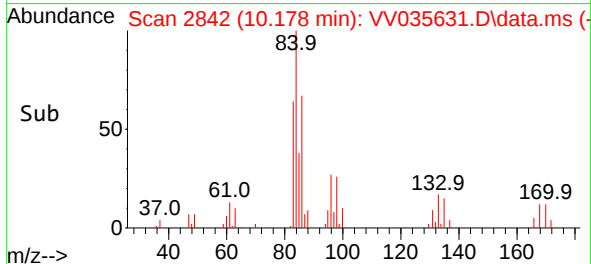
Instrument : MSVOA_V
ClientSampleId : MDL-SOIL-QT2-2024-03



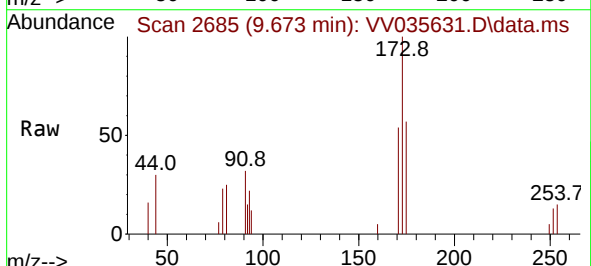
Tgt Ion: 83 Resp: 878
Ion Ratio Lower Upper
83 100
85 59.4 44.7 83.1
131 14.4 8.0 12.0

Manual Integrations
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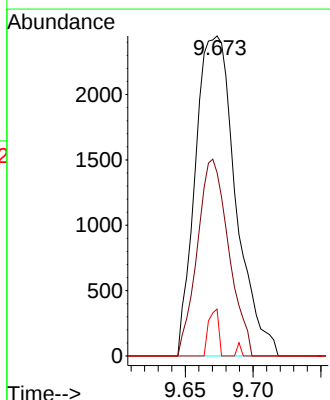
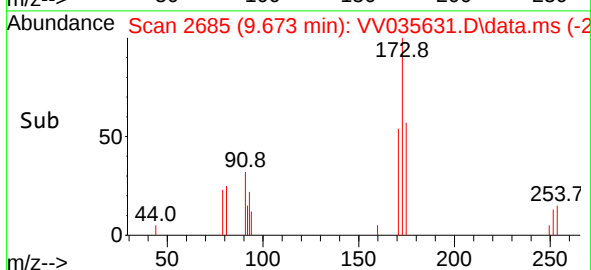
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024

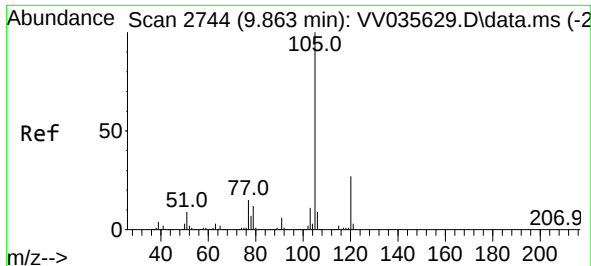


#59
Bromoform
Concen: 1.289 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. 0.013 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24



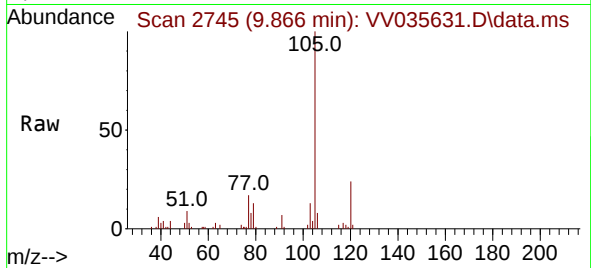
Tgt Ion:173 Resp: 5059
Ion Ratio Lower Upper
173 100
175 47.9 38.7 58.1
254 3.7 8.3 12.5





#60
Isopropylbenzene
Concen: 1.023 ug/L
RT: 9.866 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

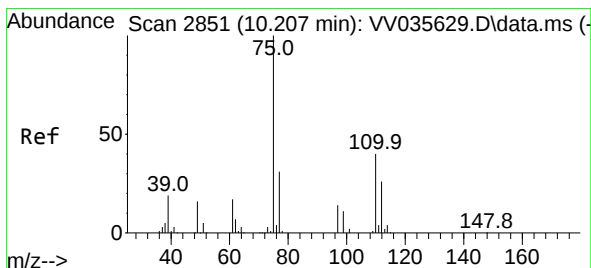
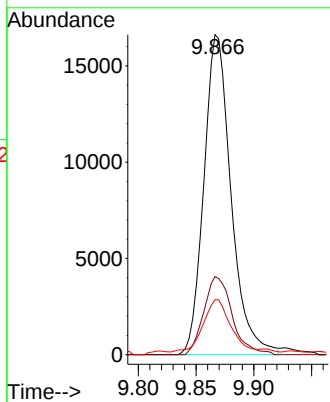
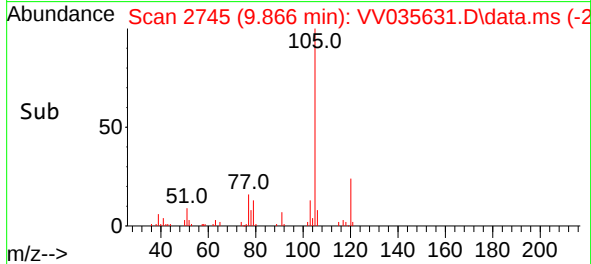
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion:105 Resp: 27228
Ion Ratio Lower Upper
105 100
120 25.4 21.3 31.9
77 16.3 12.2 18.2

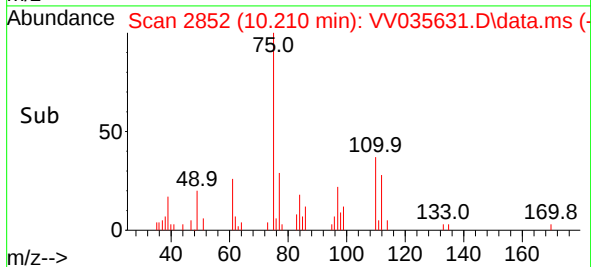
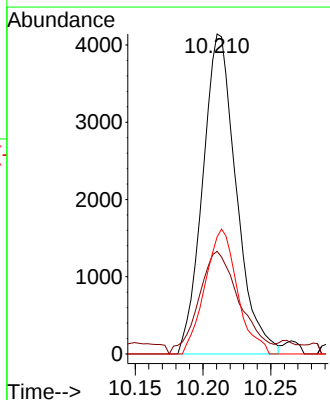
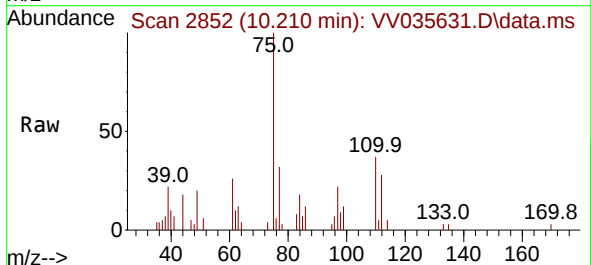
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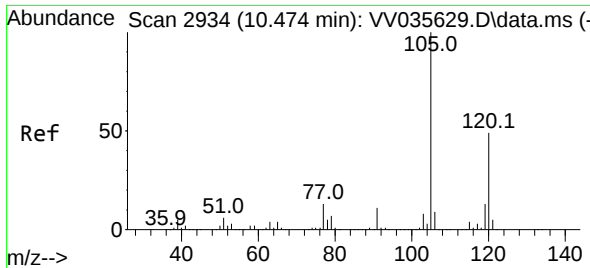
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#61
1,2,3-Trichloropropane
Concen: 1.524 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.003 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

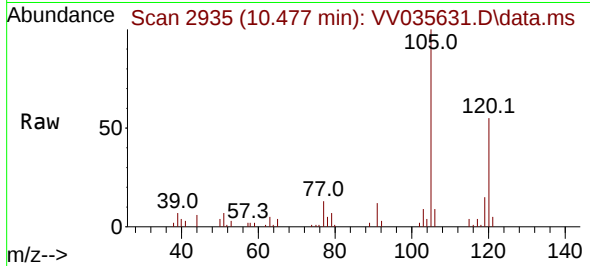
Tgt Ion: 75 Resp: 7132
Ion Ratio Lower Upper
75 100
77 39.0 25.7 38.5#
110 37.5 31.8 47.8





#62
1,3,5-Trimethylbenzene
Concen: 0.926 ug/L
RT: 10.477 min Scan# 2934
Delta R.T. 0.003 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

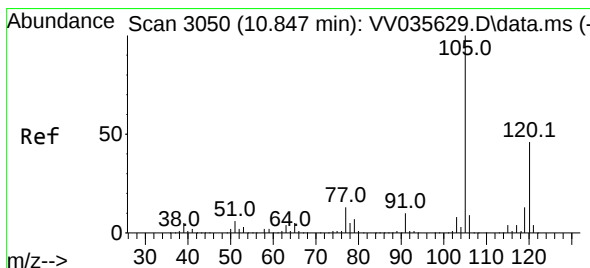
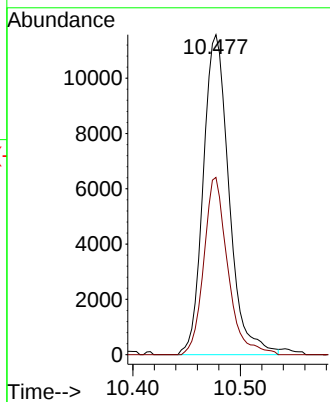
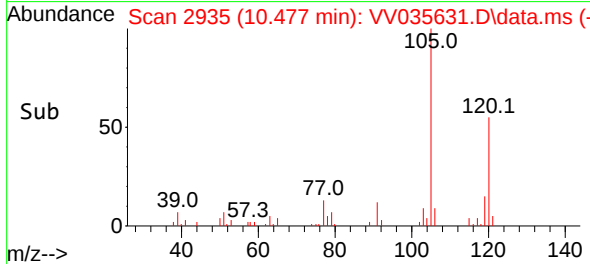
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT2-2024-03



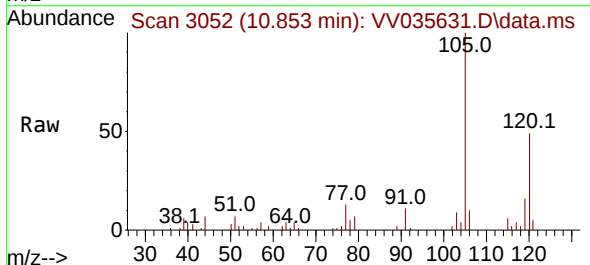
Tgt Ion:105 Resp: 19320
Ion Ratio Lower Upper
105 100
120 51.4 39.4 59.0

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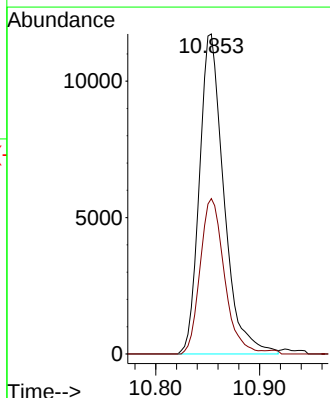
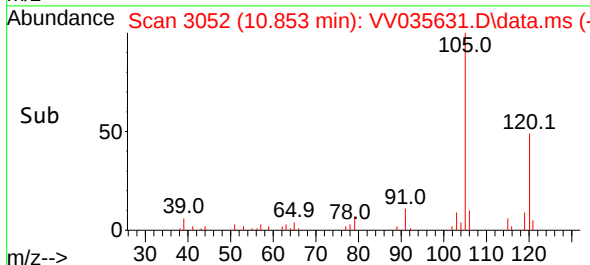
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024

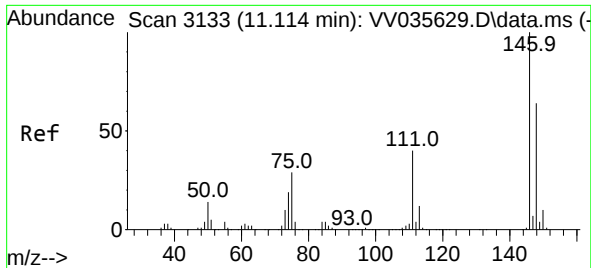


#63
1,2,4-Trimethylbenzene
Concen: 0.894 ug/L
RT: 10.853 min Scan# 3052
Delta R.T. 0.006 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24



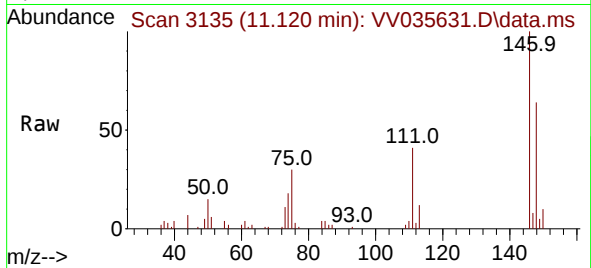
Tgt Ion:105 Resp: 19173
Ion Ratio Lower Upper
105 100
120 48.2 36.6 55.0





#64
1,3-Dichlorobenzene
Concen: 1.189 ug/L
RT: 11.120 min Scan# 3135
Delta R.T. 0.006 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

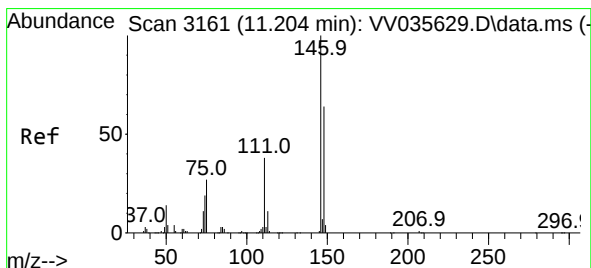
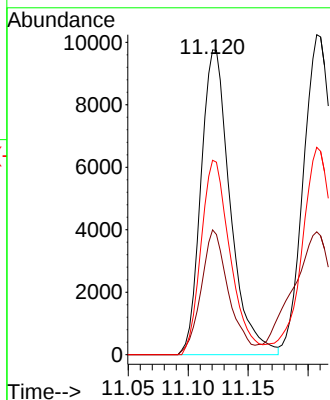
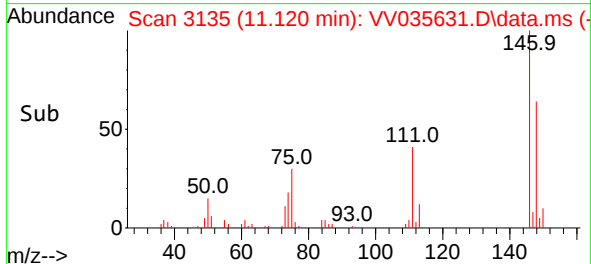
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT2-2024-03



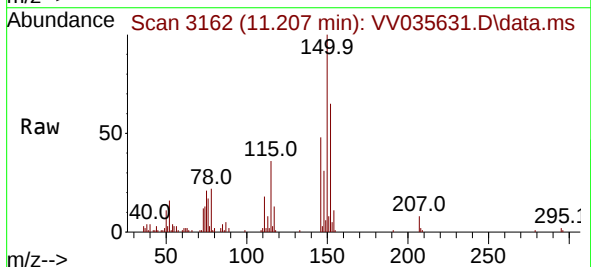
Tgt Ion:146 Resp: 1659
Ion Ratio Lower Upper
146 100
111 41.0 27.0 50.2
148 63.8 44.3 82.3

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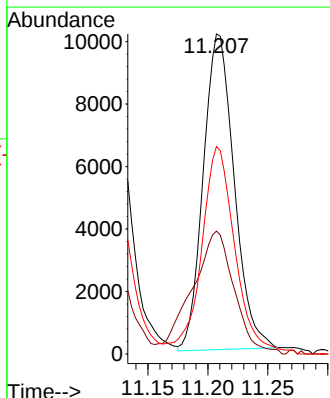
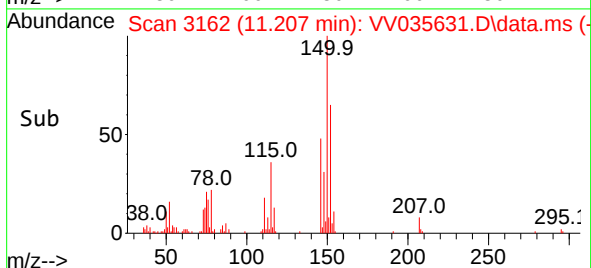
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024

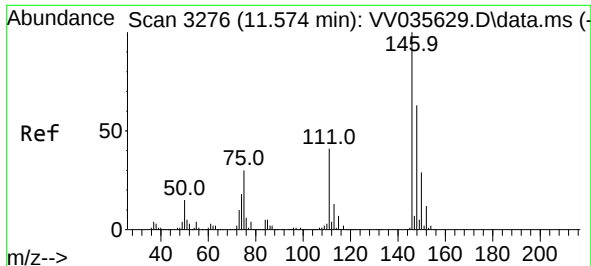


#65
1,4-Dichlorobenzene
Concen: 1.255 ug/L
RT: 11.207 min Scan# 3162
Delta R.T. 0.003 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24



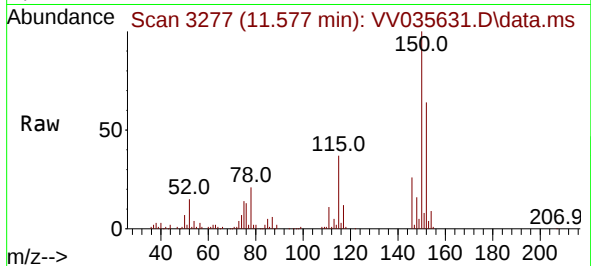
Tgt Ion:146 Resp: 18136
Ion Ratio Lower Upper
146 100
111 38.4 26.2 48.6
148 64.8 44.9 83.3





#67
1,2-Dichlorobenzene
Concen: 1.369 ug/L
RT: 11.577 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

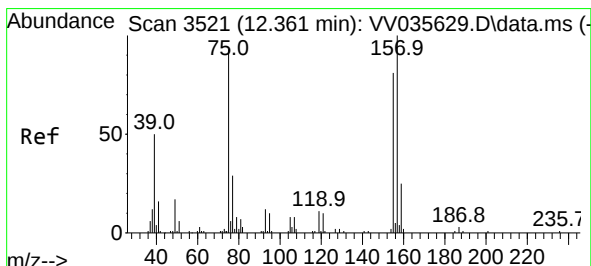
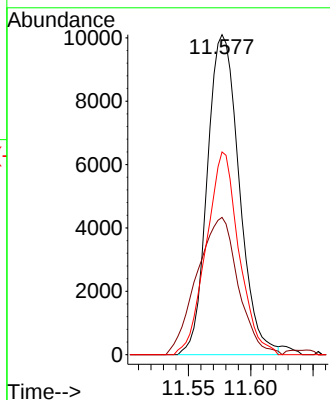
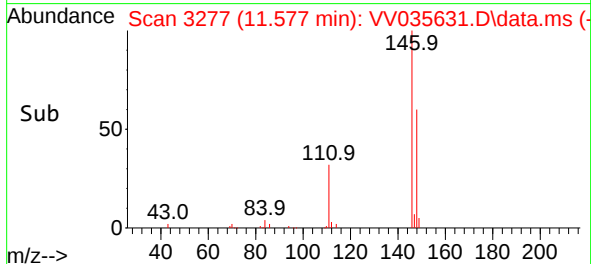
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT2-2024-03



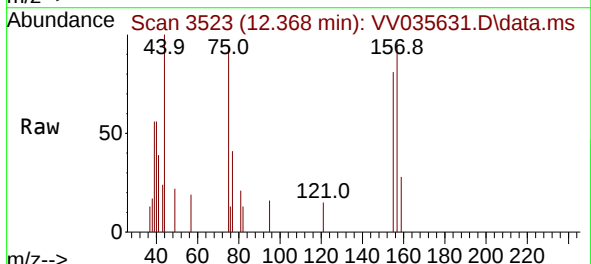
Tgt Ion:146 Resp: 1799
Ion Ratio Lower Upper
146 100
111 42.9 32.6 48.8
148 63.4 51.1 76.7

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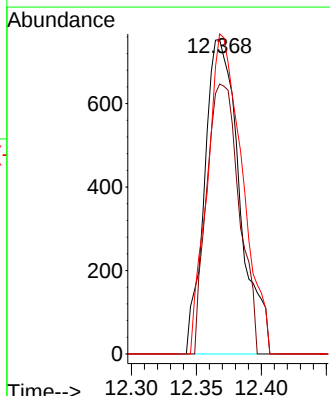
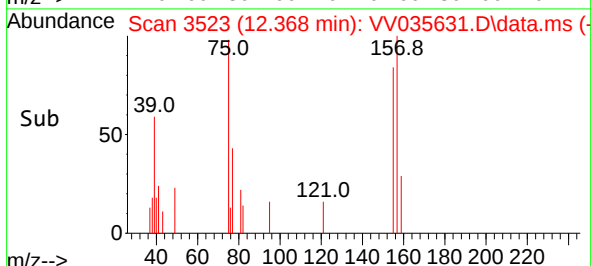
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024

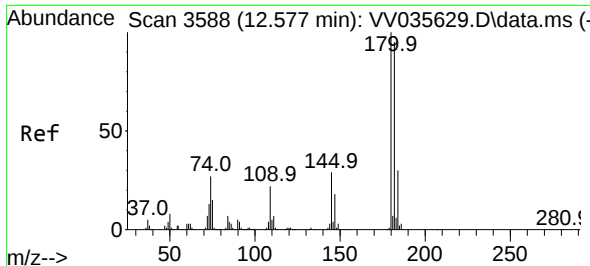


#68
1,2-Dibromo-3-chloropropane
Concen: 1.302 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. 0.006 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24



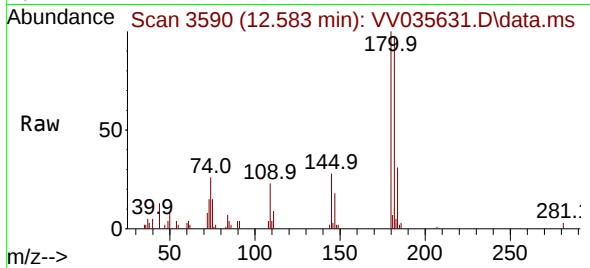
Tgt Ion: 75 Resp: 1413
Ion Ratio Lower Upper
75 100
155 85.8 69.8 104.6
157 101.7 95.0 142.6





#69
1,3,5-Trichlorobenzene
Concen: 1.127 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. 0.006 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

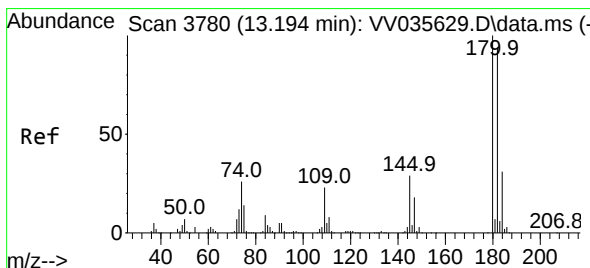
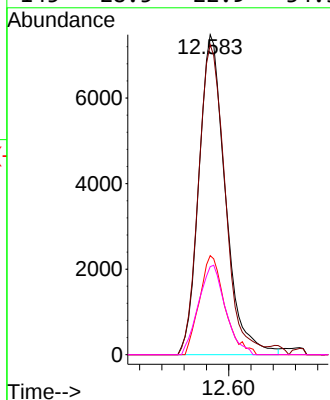
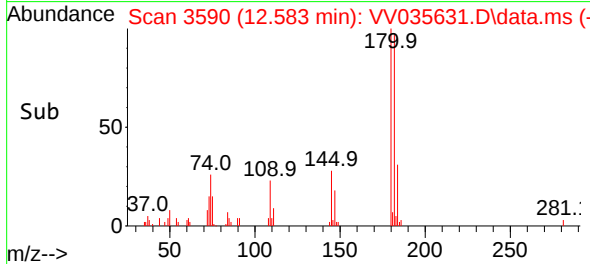
Instrument : MSVOA_V
ClientSampleId :
MDL-SOIL-QT2-2024-03



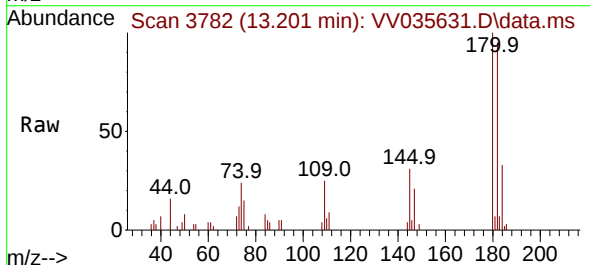
Tgt Ion:180 Resp: 12298
Ion Ratio Lower Upper
180 100
182 97.1 76.2 114.2
184 29.1 24.1 36.1
145 28.5 22.9 34.3

Manual Integrations
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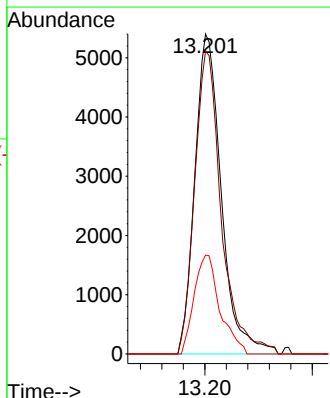
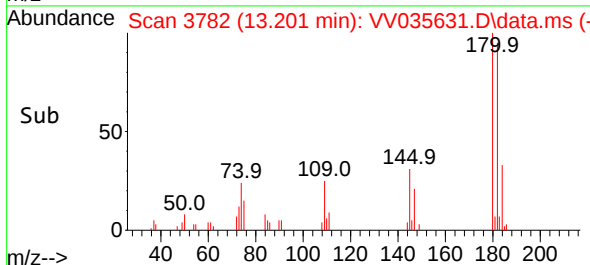
Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024

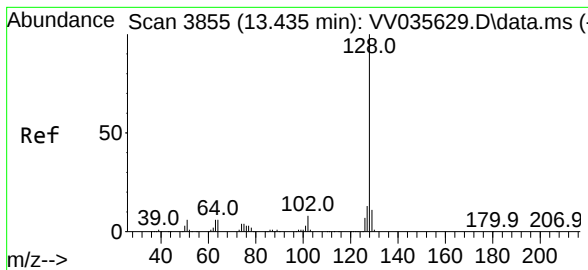


#70
1,2,4-trichlorobenzene
Concen: 1.013 ug/L
RT: 13.201 min Scan# 3782
Delta R.T. 0.006 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24



Tgt Ion:180 Resp: 9226
Ion Ratio Lower Upper
180 100
182 94.9 76.6 114.8
145 30.0 23.2 34.8





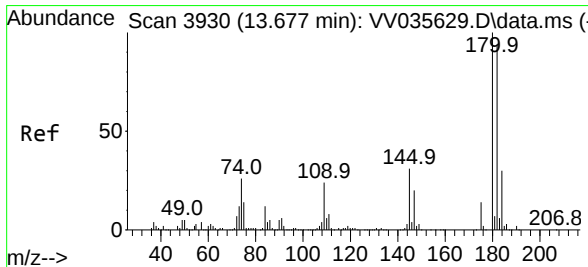
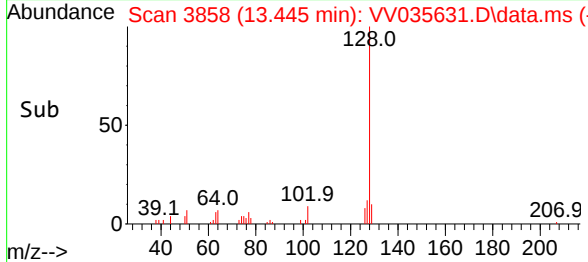
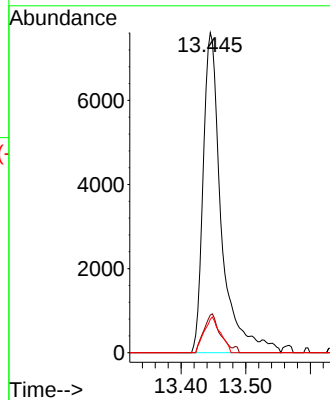
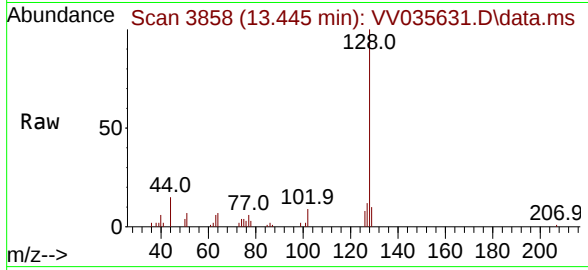
#71
Naphthalene
Concen: 0.932 ug/L m
RT: 13.445 min Scan# 3855
Delta R.T. 0.010 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Instrument : MSVOA_V
ClientSampleId :
MDL-SOIL-QT2-2024-03

Tgt Ion:	128	Resp:	1490
Ion Ratio	Lower	Upper	
128	100		
127	10.9	10.4	15.6
129	9.9	8.6	13.0

Manual Integrations
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Reviewed By :Mahesh Dadoda 05/21/2024
Supervised By :Semsettin Yesilyurt 05/21/2024



#72
1,2,3-Trichlorobenzene
Concen: 1.005 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. 0.006 min
Lab File: VV035631.D
Acq: 20 May 2024 12:24

Tgt Ion:	180	Resp:	8237
Ion Ratio	Lower	Upper	
180	100		
182	96.4	75.8	113.6
145	33.9	25.2	37.8

