

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\ VX033125\
 Data File : VX045515.D
 Acq On : 31 Mar 2025 12:18
 Operator : JC/MD
 Sample : Q1546-05
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT1-2025-01

Quant Time: Apr 07 12:13:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML032825WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Apr 07 12:12:10 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/07/2025
 Supervised By : Mahesh Dadoda 04/07/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	151532	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.049	117	138436	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	59421	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.367	65	50288	44.381	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.760%		
7) Chloroethane-d5	1.648	69	38368	51.689	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	103.380%		
11) 1,1-Dichloroethene-d2	2.294	65	27341	46.310	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.620%		
21) 2-Butanone-d5	4.452	46	89050	118.129	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	118.130%		
24) Chloroform-d	5.044	84	119865	47.667	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.340%		
26) 1,2-Dichloroethane-d4	5.946	65	87869	49.947	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.900%		
32) Benzene-d6	5.964	84	222281	49.527	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.060%		
36) 1,2-Dichloropropane-d6	7.299	67	72827	50.389	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.780%		
41) Toluene-d8	8.647	98	194298	47.944	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.880%		
43) trans-1,3-Dichloroprop...	8.945	79	29351	49.459	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	98.920%		
47) 2-Hexanone-d5	9.378	63	62980	114.256	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	114.260%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	100160	52.207	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	104.420%		
66) 1,2-Dichlorobenzene-d4	12.317	152	66115	52.342	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.680%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	4235	2.615	ug/L	91
3) Chloromethane	1.307	50	3791	2.651	ug/L	92
5) Vinyl chloride	1.374	62	3391	2.550	ug/L	89
6) Bromomethane	1.593	94	1616	2.718	ug/L	92
8) Chloroethane	1.666	64	1822	2.741	ug/L	100
9) Trichlorofluoromethane	1.873	101	4703	2.575	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	3656	3.141	ug/L	85
12) 1,1-Dichloroethene	2.306	96	3116	2.999	ug/L #	1
13) Acetone	2.379	43	3839	5.375	ug/L	87
14) Carbon disulfide	2.501	76	6380	2.383	ug/L	97
15) Methyl Acetate	2.703	43	4053	2.857	ug/L	91
16) Methylene chloride	2.782	84	3397	2.822	ug/L	84
17) trans-1,2-Dichloroethene	3.087	96	2601	2.504	ug/L	82
18) Methyl tert-butyl Ether	3.111	73	9575	2.656	ug/L	96
19) 1,1-Dichloroethane	3.605	63	5230	2.413	ug/L	97
20) cis-1,2-Dichloroethene	4.489	96	3249	2.716	ug/L	93
22) 2-Butanone	4.574	43	5761m	5.558	ug/L	
23) Bromochloromethane	4.897	128	1515m	2.559	ug/L	
27) 1,2-Dichloroethane	6.080	62	4958	2.540	ug/L	96

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 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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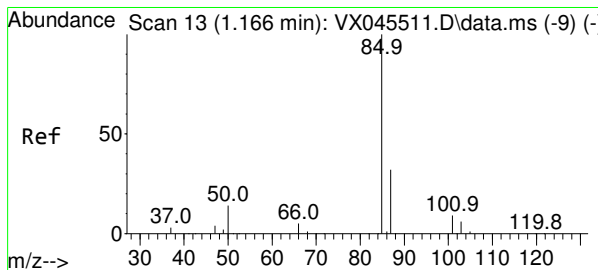
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 Quant Title : VOC Analysis
 QLast Update : Mon Apr 07 12:12:10 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/07/2025
 Supervised By :Mahesh Dadoda 04/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.458	56	5255	2.504	ug/L	96
30) 1,1,1-Trichloroethane	5.373	97	4732	2.492	ug/L #	51
31) Carbon tetrachloride	5.672	117	4029m	2.447	ug/L	
33) Benzene	6.025	78	11692	2.574	ug/L	100
35) Methylcyclohexane	7.372	83	4828	2.504	ug/L	98
37) 1,2-Dichloropropane	7.427	63	3382	2.746	ug/L #	93
38) Bromodichloromethane	7.818	83	4274	2.526	ug/L	94
39) cis-1,3-Dichloropropene	8.366	75	4826	2.675	ug/L	96
40) 4-Methyl-2-pentanone	8.580	43	8712	4.620	ug/L	96
42) Toluene	8.714	91	11998	2.574	ug/L	94
44) trans-1,3-Dichloropropene	8.976	75	3430	2.041	ug/L	95
45) 1,1,2-Trichloroethane	9.153	97	2927	2.474	ug/L	96
46) Tetrachloroethene	9.268	164	2104	2.541	ug/L	98
48) 2-Hexanone	9.433	43	7699	5.416	ug/L	97
49) Dibromochloromethane	9.518	129	2905	2.461	ug/L	87
50) 1,2-Dibromoethane	9.610	107	3240	2.632	ug/L #	96
51) Chlorobenzene	10.073	112	7671	2.623	ug/L	94
52) Ethylbenzene	10.195	91	12444	2.372	ug/L	92
53) m,p-Xylene	10.299	106	4419	2.323	ug/L	95
54) o-Xylene	10.640	106	4544	2.432	ug/L	93
55) Styrene	10.658	104	6848	2.190	ug/L	97
57) 1,1,2,2-Tetrachloroethane	11.207	83	5513	2.965	ug/L	95
59) Bromoform	10.799	173	1759	2.345	ug/L #	86
60) Isopropylbenzene	10.963	105	11602	2.393	ug/L	98
61) 1,2,3-Trichloropropane	11.238	75	4001	2.761	ug/L	97
62) 1,3,5-Trimethylbenzene	11.451	105	9244	2.331	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	8741	2.246	ug/L	97
64) 1,3-Dichlorobenzene	11.969	146	4782	2.428	ug/L	89
65) 1,4-Dichlorobenzene	12.036	146	5390	2.744	ug/L	99
67) 1,2-Dichlorobenzene	12.335	146	5527	2.821	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.945	75	972m	2.495	ug/L	
69) 1,3,5-Trichlorobenzene	13.115	180	3038	2.436	ug/L	95
70) 1,2,4-trichlorobenzene	13.591	180	2458	2.235	ug/L	98
71) Naphthalene	13.780	128	9273	2.230	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	2976	2.633	ug/L	91

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



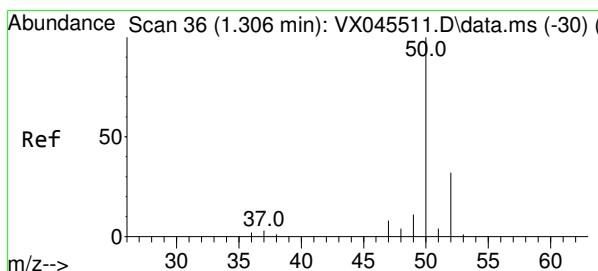
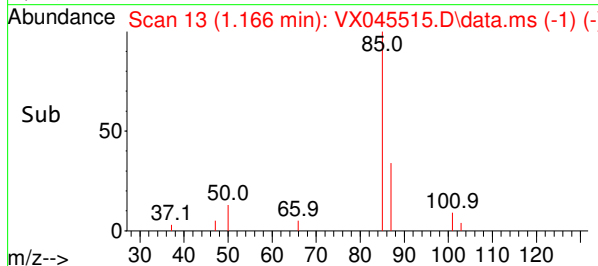
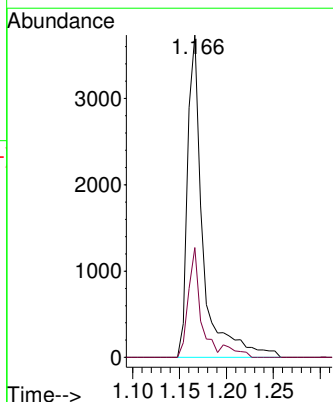
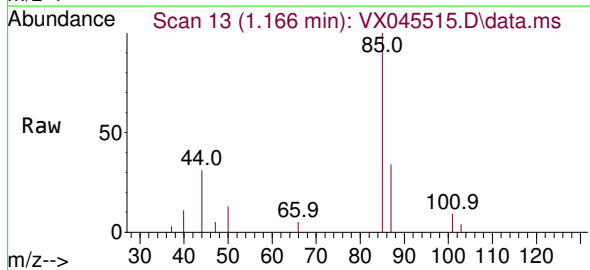
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Dichlorodifluoromethane
Concen: 2.615 ug/L
RT: 1.166 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion: 85 Resp: 423
Ion Ratio Lower Upper
85 100
87 27.2 25.9 38.9

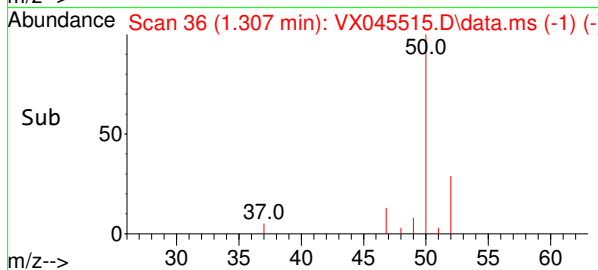
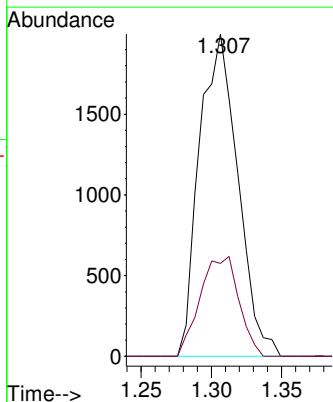
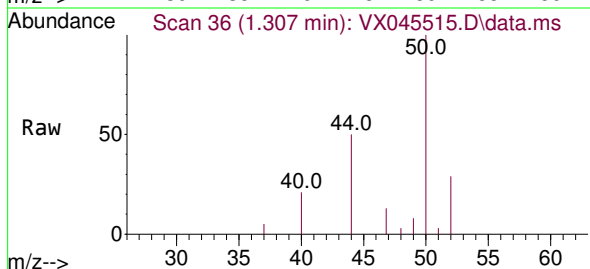
Manual Integrations
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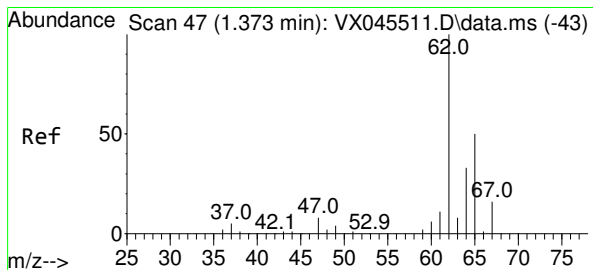
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#3
Chloromethane
Concen: 2.651 ug/L
RT: 1.307 min Scan# 36
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion: 50 Resp: 3791
Ion Ratio Lower Upper
50 100
52 28.8 23.3 43.3





#5
 Vinyl chloride
 Concen: 2.550 ug/L
 RT: 1.374 min Scan# 4
 Delta R.T. 0.000 min
 Lab File: VX045515.D
 Acq: 31 Mar 2025 12:18

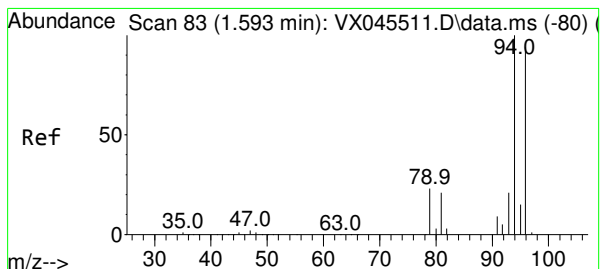
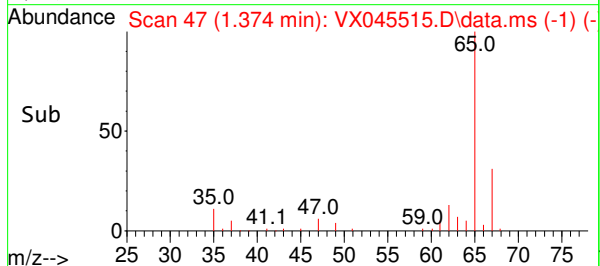
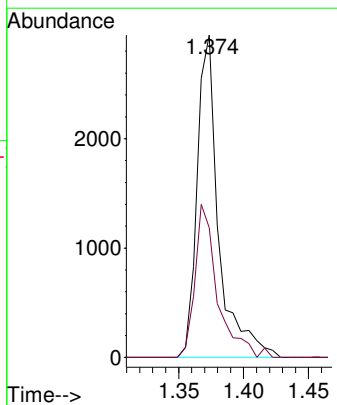
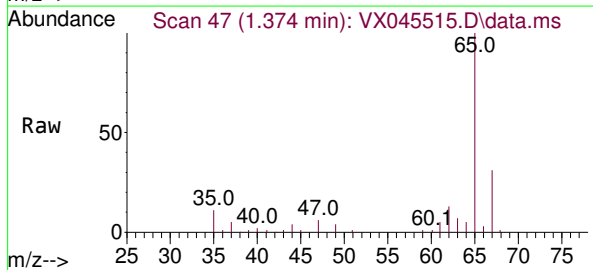
Instrument : MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT1-2025-01

Tgt Ion: 62 Resp: 339

Ion	Ratio	Lower	Upper
62	100		
64	40.2	23.7	44.1

Manual Integrations
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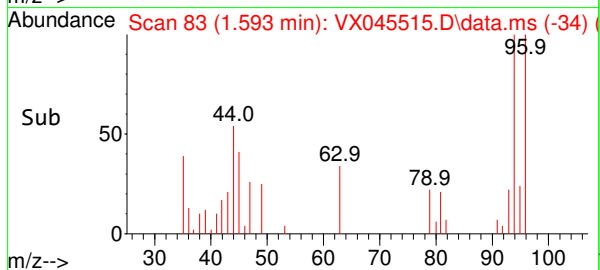
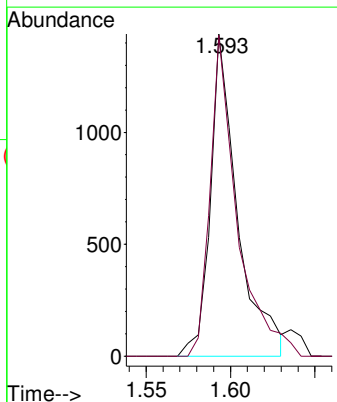
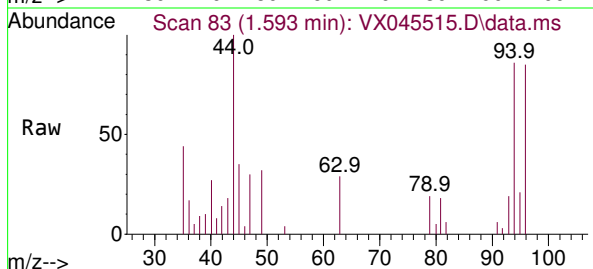
Reviewed By :John Carlone 04/07/2025
 Supervised By :Mahesh Dadoda 04/07/2025

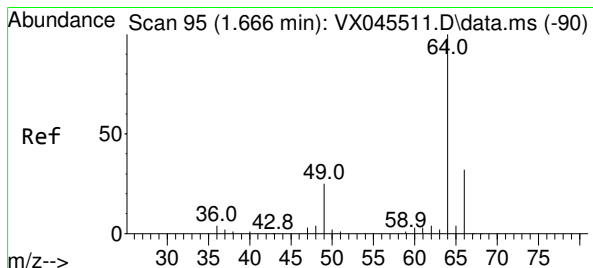


#6
 Bromomethane
 Concen: 2.718 ug/L
 RT: 1.593 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VX045515.D
 Acq: 31 Mar 2025 12:18

Tgt Ion: 94 Resp: 1616

Ion	Ratio	Lower	Upper
94	100		
96	99.6	64.3	119.3





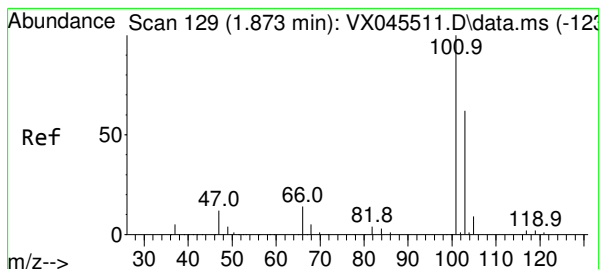
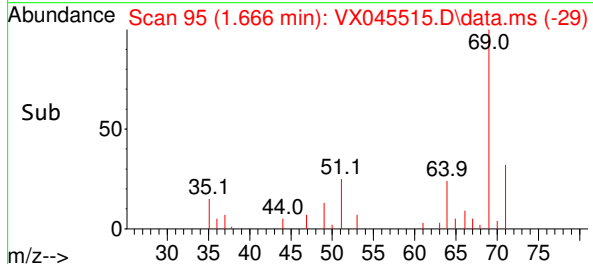
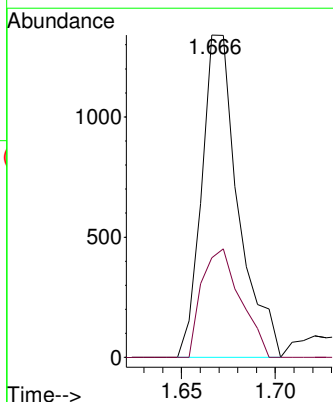
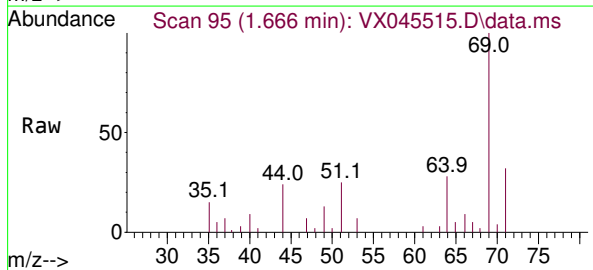
#8
Chloroethane
Concen: 2.741 ug/L
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion: 64 Resp: 182
Ion Ratio Lower Upper
64 100
66 30.9 21.4 39.8

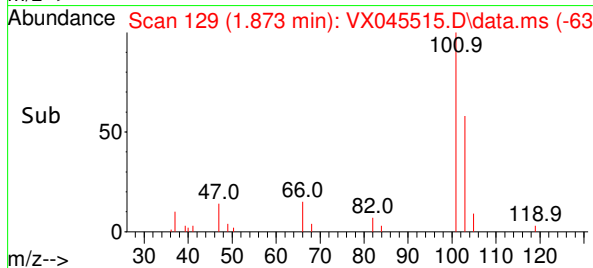
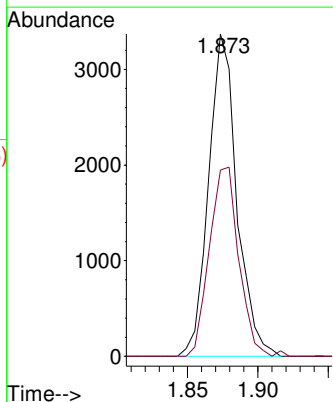
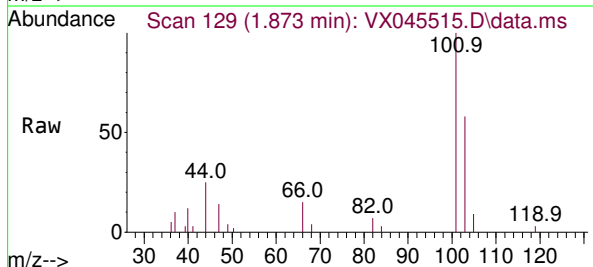
Manual Integrations
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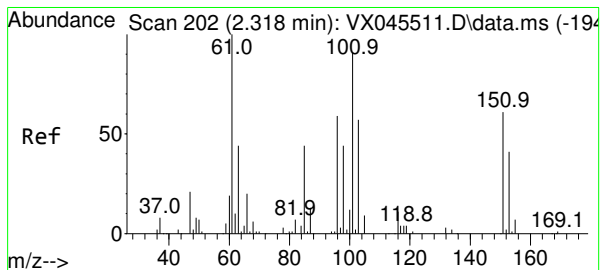
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#9
Trichlorofluoromethane
Concen: 2.575 ug/L
RT: 1.873 min Scan# 129
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion:101 Resp: 4703
Ion Ratio Lower Upper
101 100
103 60.8 52.2 78.2





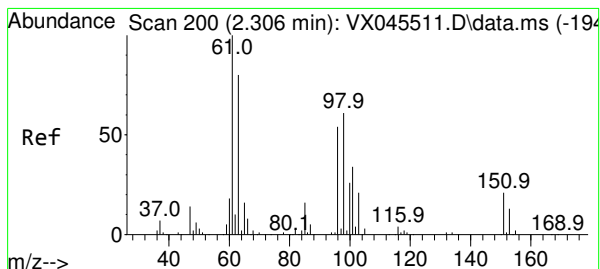
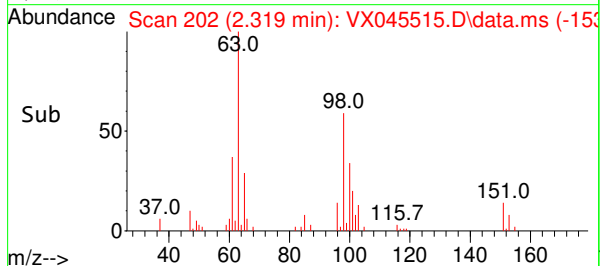
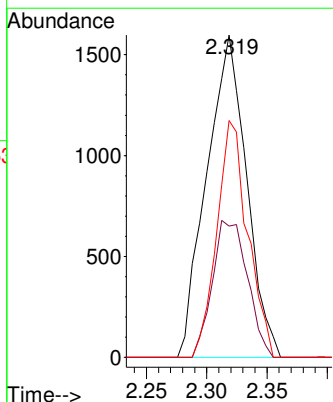
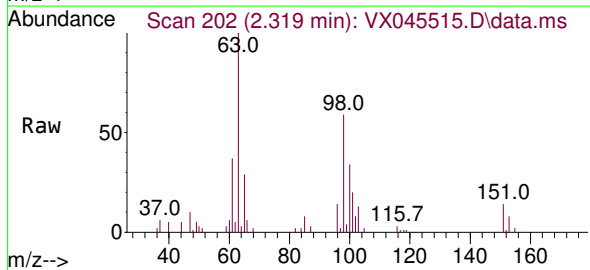
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.141 ug/L
RT: 2.319 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion: 101 Resp: 365
Ion Ratio Lower Upper
101 100
85 37.4 35.4 53.6
151 57.1 57.0 85.4

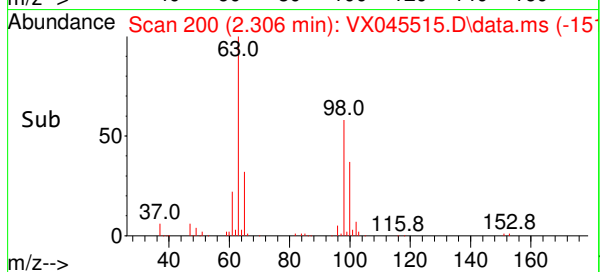
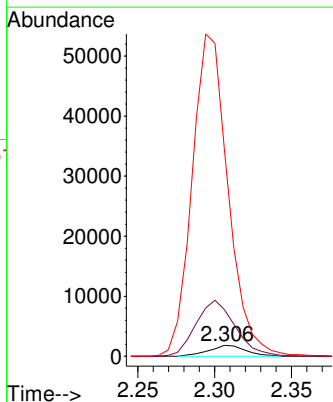
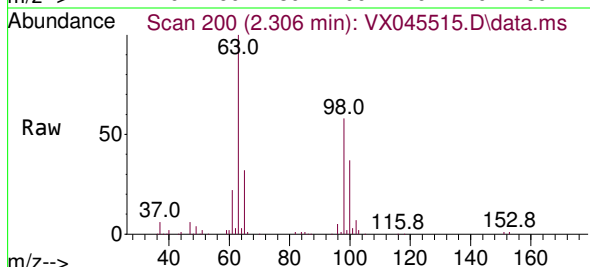
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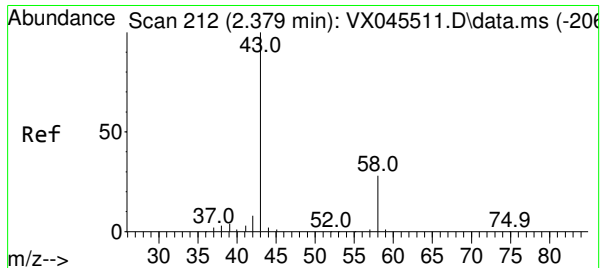
Reviewed By : John Carlone 04/07/2025
Supervised By : Mahesh Dadoda 04/07/2025



#12
1,1-Dichloroethene
Concen: 2.999 ug/L
RT: 2.306 min Scan# 200
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion: 96 Resp: 3116
Ion Ratio Lower Upper
96 100
61 420.0 115.1 213.8#
63 1873.6 74.1 137.5#





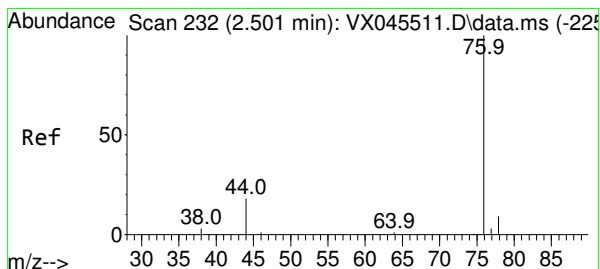
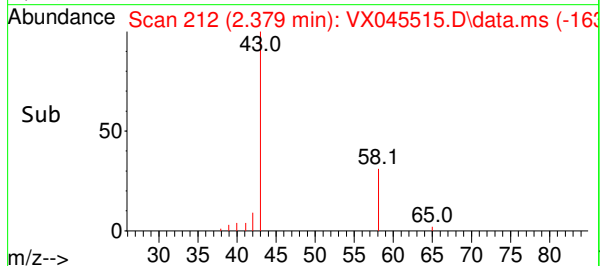
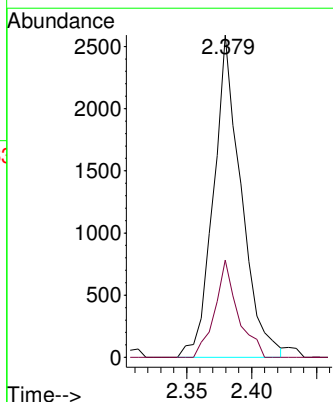
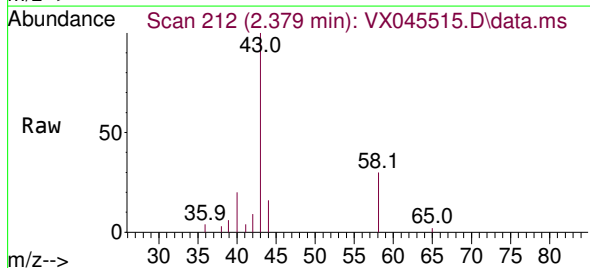
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Acetone
Concen: 5.375 ug/L
RT: 2.379 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion: 43 Resp: 383
Ion Ratio Lower Upper
43 100
58 25.1 0.0 64.6

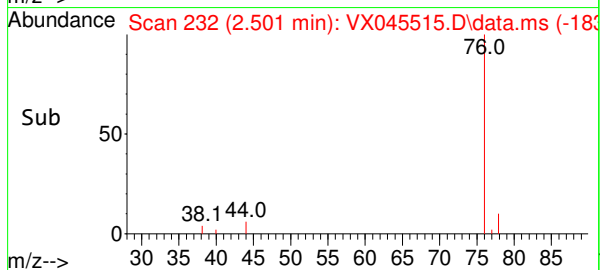
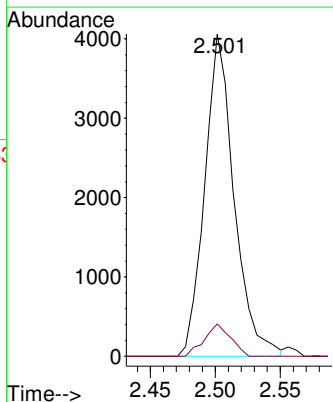
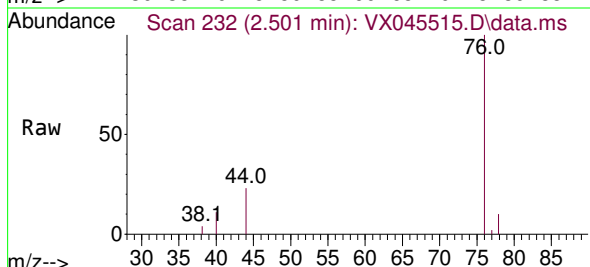
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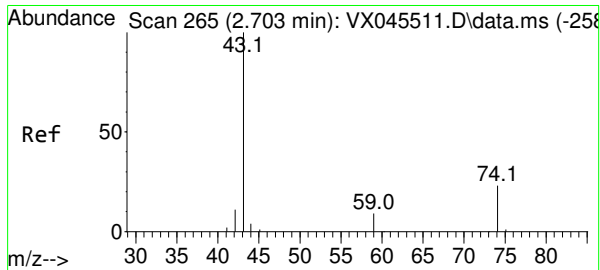
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#14
Carbon disulfide
Concen: 2.383 ug/L
RT: 2.501 min Scan# 232
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion: 76 Resp: 6380
Ion Ratio Lower Upper
76 100
78 10.1 7.2 10.8





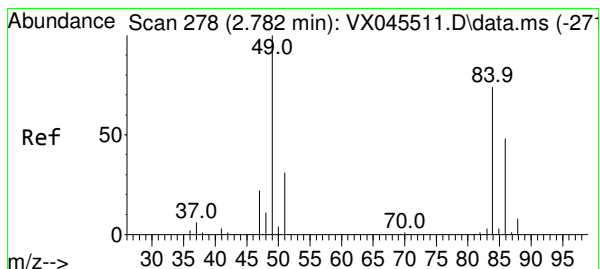
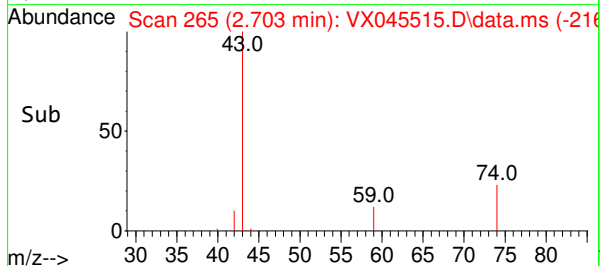
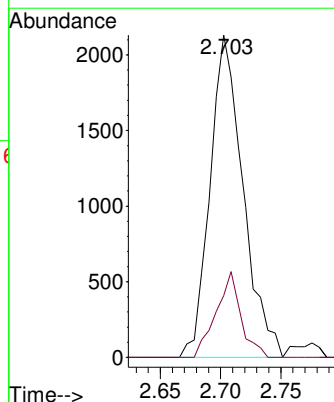
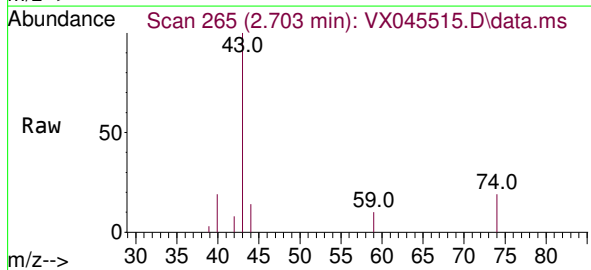
#15
Methyl Acetate
Concen: 2.857 ug/L
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion: 43 Resp: 405
Ion Ratio Lower Upper
43 100
74 19.9 19.7 29.5

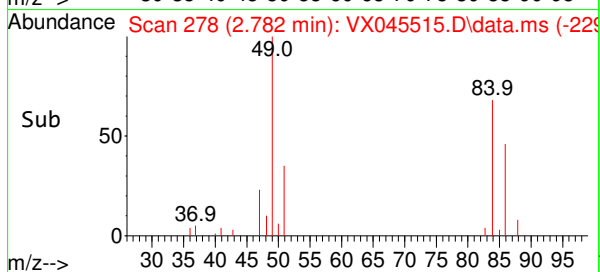
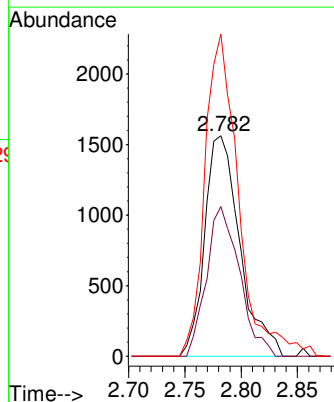
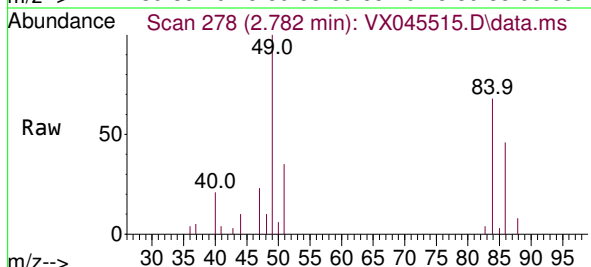
Manual Integrations
APPROVED

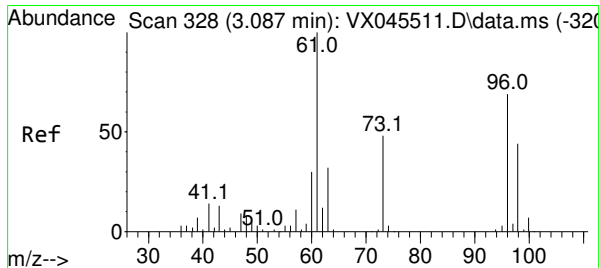
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#16
Methylene chloride
Concen: 2.822 ug/L
RT: 2.782 min Scan# 278
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion: 84 Resp: 3397
Ion Ratio Lower Upper
84 100
86 67.9 45.6 84.8
49 146.2 84.6 157.0





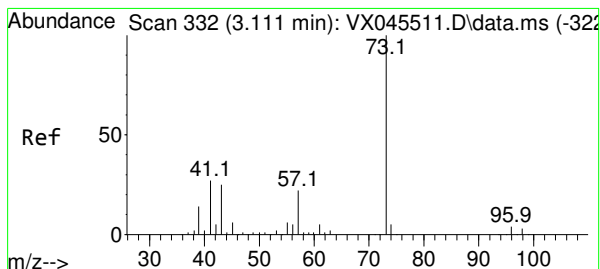
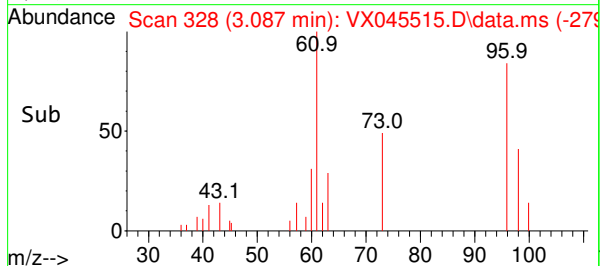
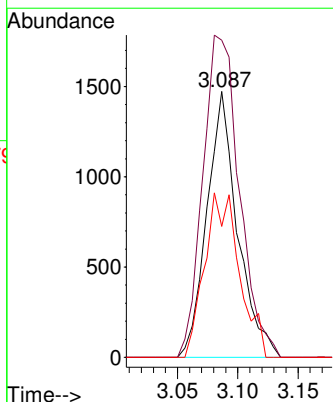
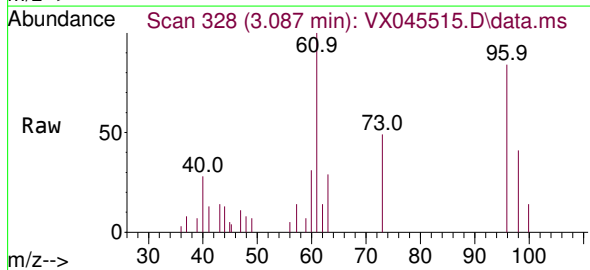
#17
trans-1,2-Dichloroethene
Concen: 2.504 ug/L
RT: 3.087 min Scan# 328
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion: 96 Resp: 266
Ion Ratio Lower Upper
96 100
61 119.1 98.3 182.7
98 49.2 44.1 81.9

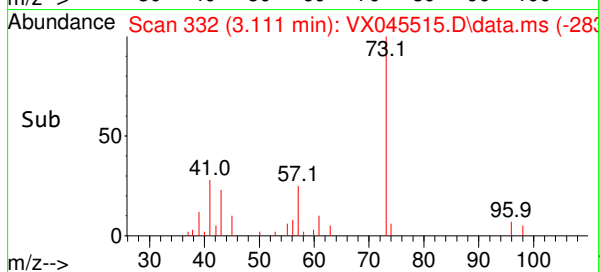
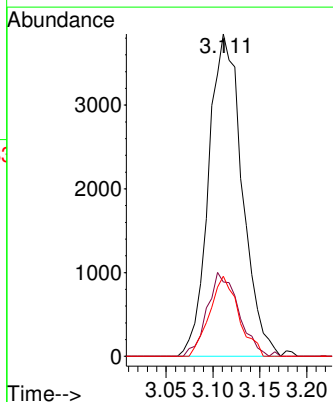
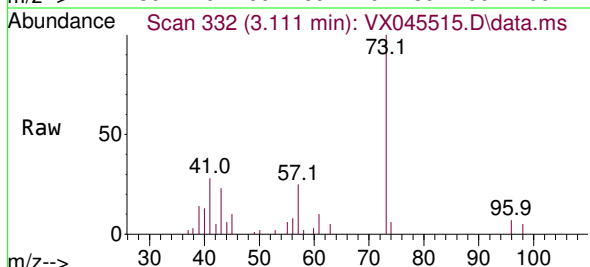
Manual Integrations
APPROVED

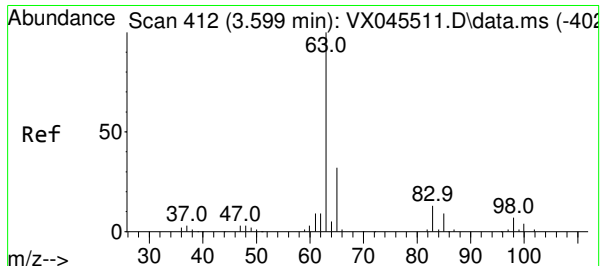
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#18
Methyl tert-butyl Ether
Concen: 2.656 ug/L
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion: 73 Resp: 9575
Ion Ratio Lower Upper
73 100
43 24.2 16.9 25.3
57 21.5 17.4 26.0





#19
1,1-Dichloroethane
Concen: 2.413 ug/L
RT: 3.605 min Scan# 412
Delta R.T. 0.006 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

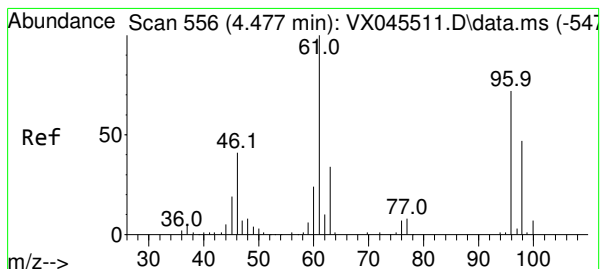
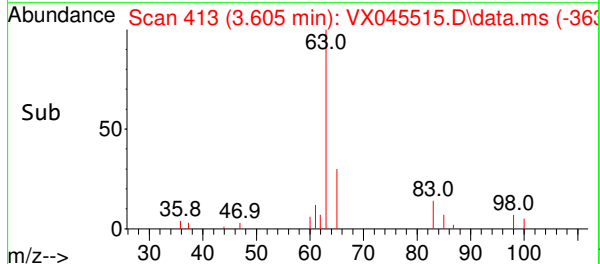
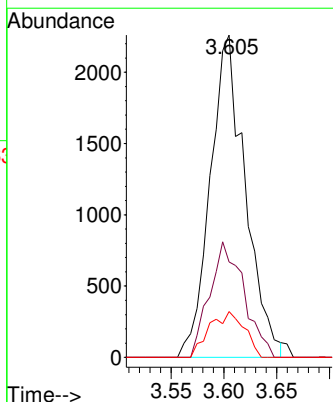
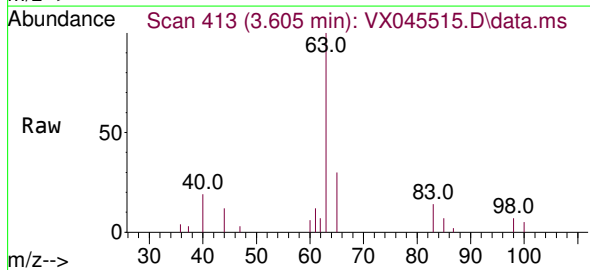
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion: 63 Resp: 523

Ion	Ratio	Lower	Upper
63	100		
65	29.6	21.8	40.6
83	14.2	9.4	17.4

Manual Integrations
APPROVED

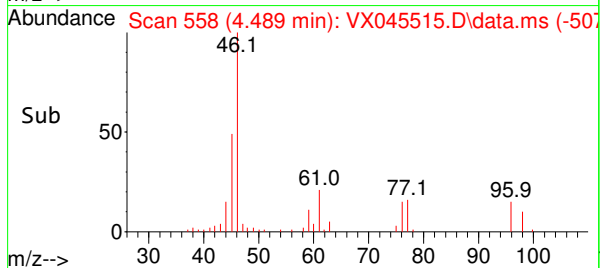
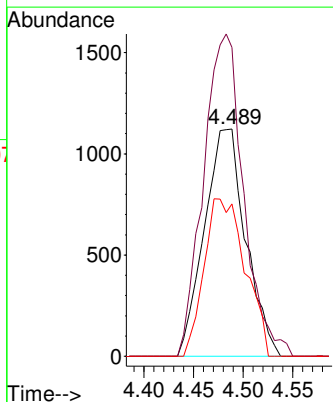
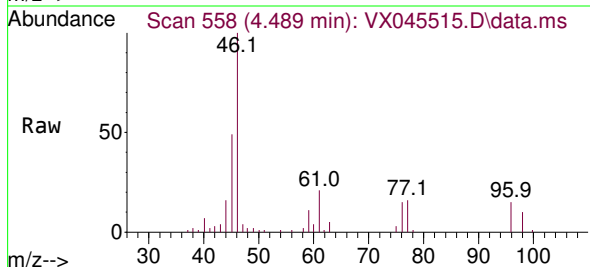
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025

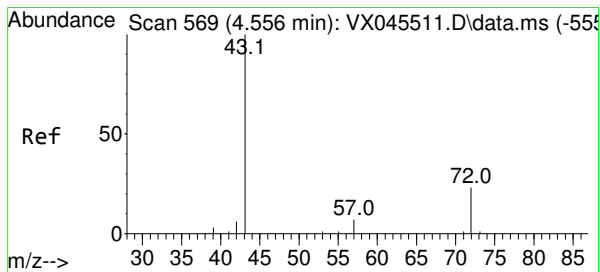


#20
cis-1,2-Dichloroethene
Concen: 2.716 ug/L
RT: 4.489 min Scan# 558
Delta R.T. 0.012 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion: 96 Resp: 3249

Ion	Ratio	Lower	Upper
96	100		
61	136.0	88.3	163.9
98	67.1	44.6	82.8





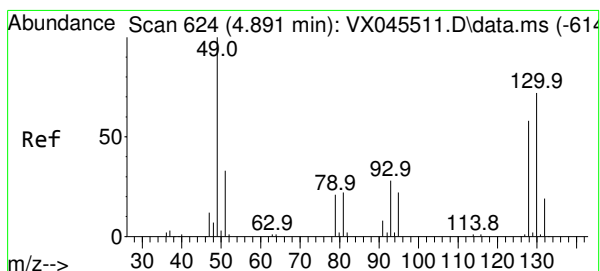
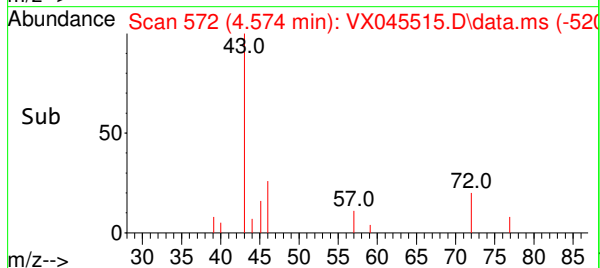
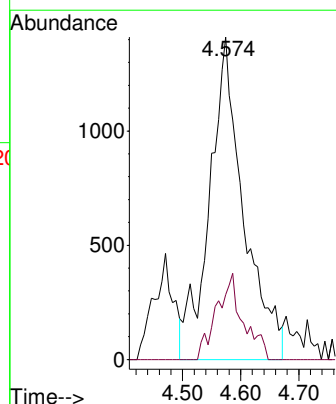
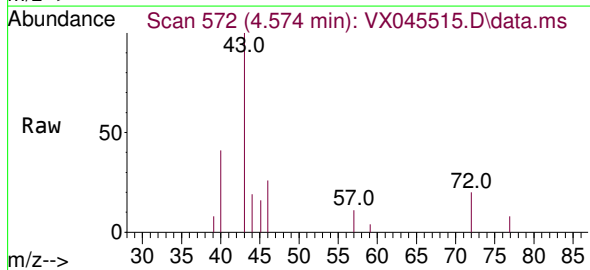
#22
2-Butanone
Concen: 5.558 ug/L m
RT: 4.574 min Scan# 518
Delta R.T. 0.018 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion: 43 Resp: 576
Ion Ratio Lower Upper
43 100
72 1.6 13.4 40.2

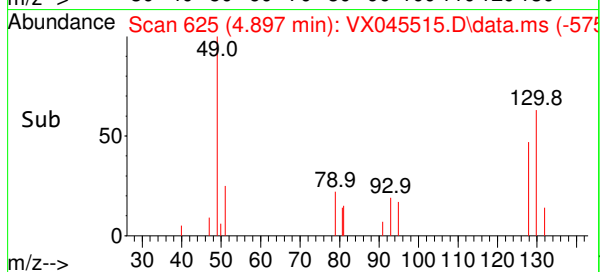
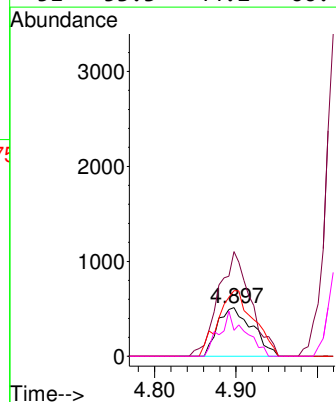
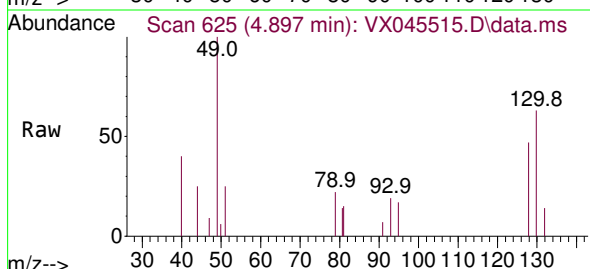
Manual Integrations
APPROVED

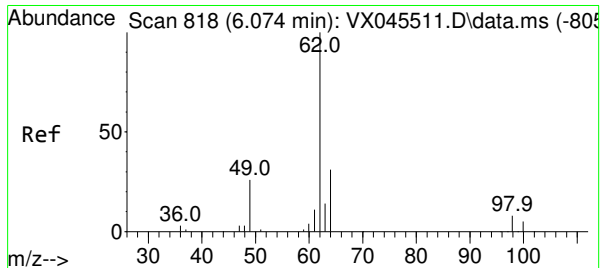
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#23
Bromochloromethane
Concen: 2.559 ug/L m
RT: 4.897 min Scan# 625
Delta R.T. 0.006 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion:128 Resp: 1515
Ion Ratio Lower Upper
128 100
49 214.8 117.6 218.4
130 134.8 92.0 170.9
51 53.3 44.2 66.4





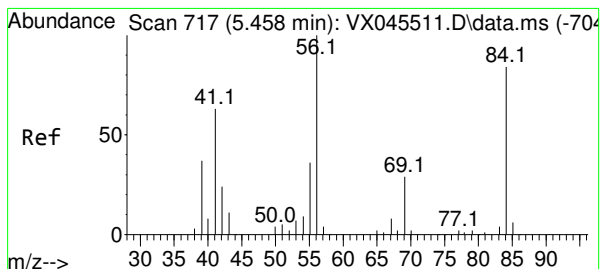
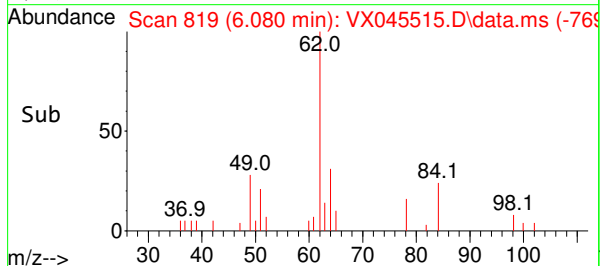
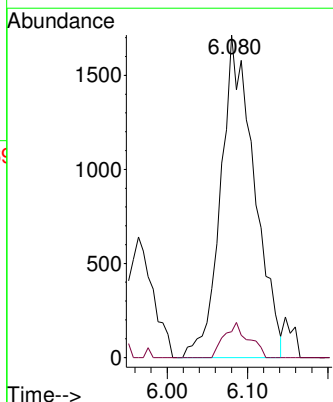
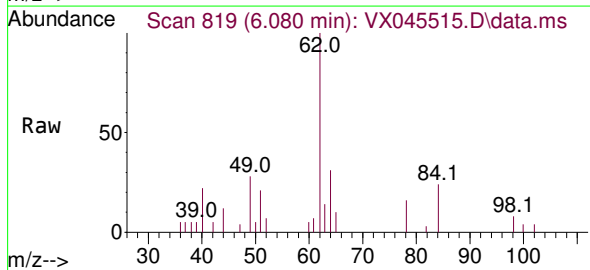
#27
1,2-Dichloroethane
Concen: 2.540 ug/L
RT: 6.080 min Scan# 818
Delta R.T. 0.006 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion: 62 Resp: 495
Ion Ratio Lower Upper
62 100
98 8.0 7.4 11.2

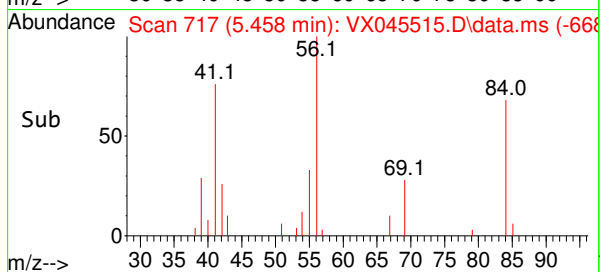
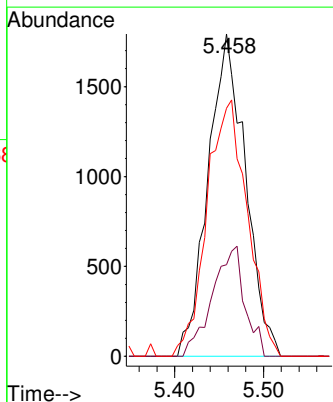
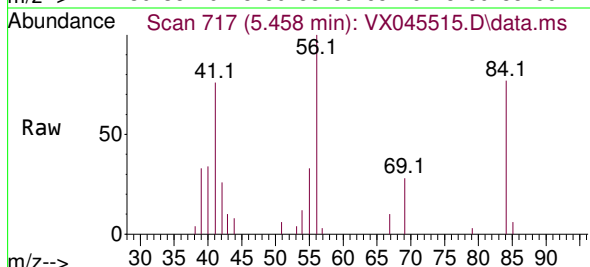
Manual Integrations
APPROVED

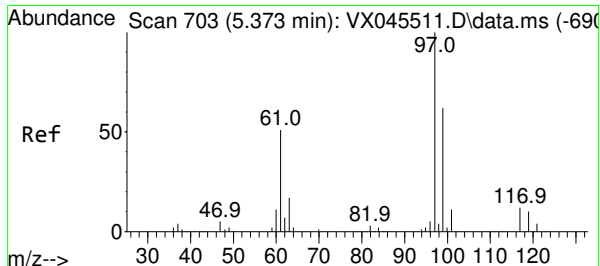
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#29
Cyclohexane
Concen: 2.504 ug/L
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion: 56 Resp: 5255
Ion Ratio Lower Upper
56 100
69 29.6 25.4 38.2
84 85.8 71.6 107.4





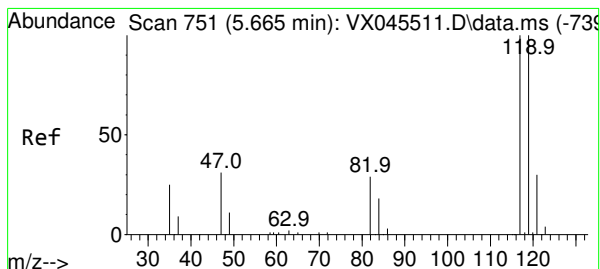
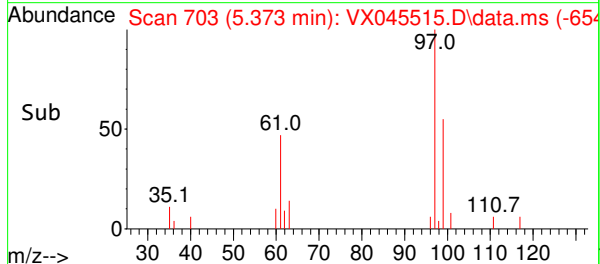
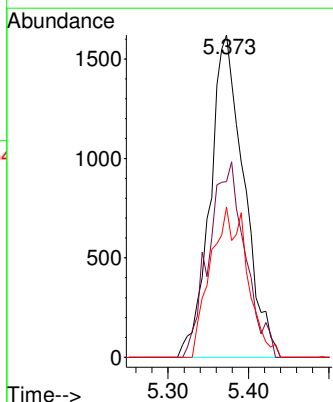
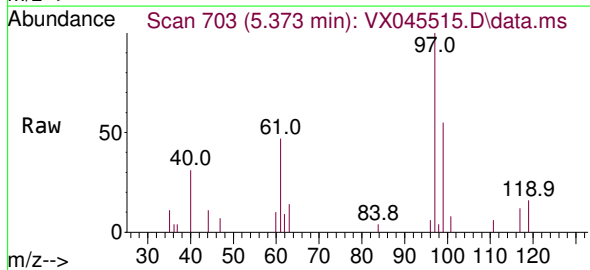
#30
1,1,1-Trichloroethane
Concen: 2.492 ug/L
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion: 97 Resp: 473
Ion Ratio Lower Upper
97 100
99 10.2 51.0 76.4
61 30.2 35.8 53.6

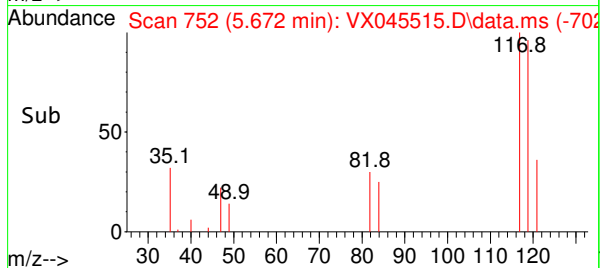
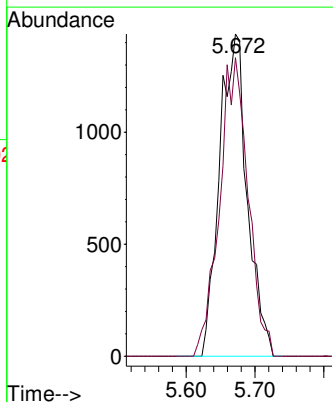
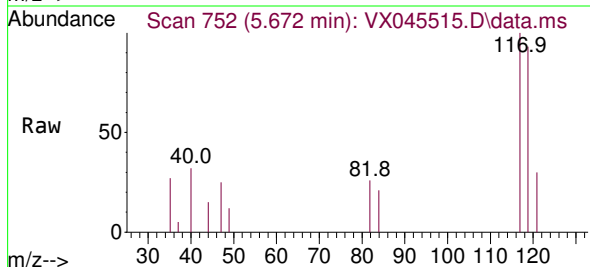
Manual Integrations
APPROVED

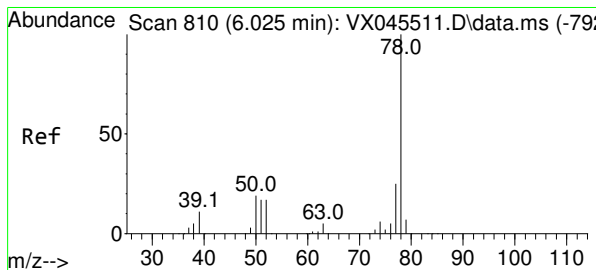
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#31
Carbon tetrachloride
Concen: 2.447 ug/L m
RT: 5.672 min Scan# 752
Delta R.T. 0.006 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion:117 Resp: 4029
Ion Ratio Lower Upper
117 100
119 0.0 77.1 115.7#





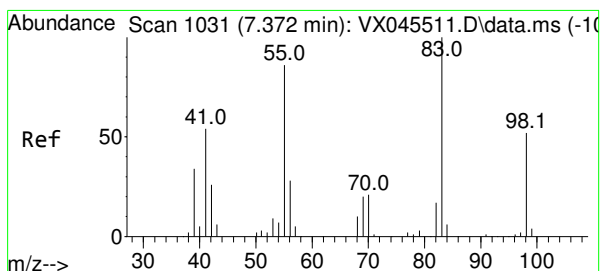
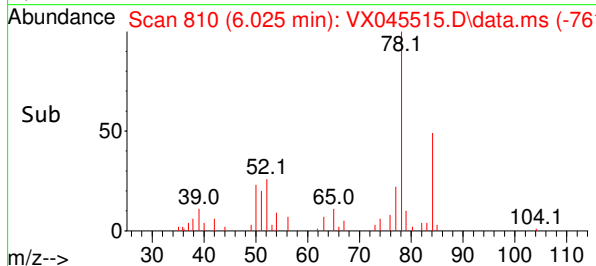
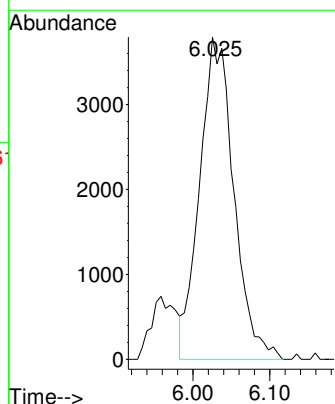
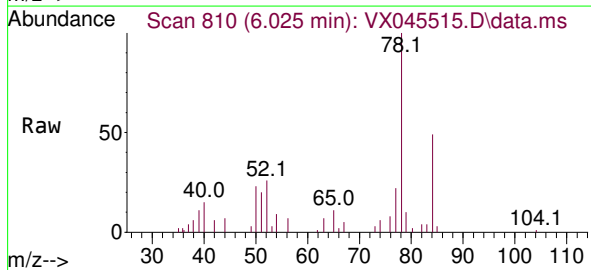
#33
Benzene
Concen: 2.574 ug/L
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion: 78 Resp: 1169

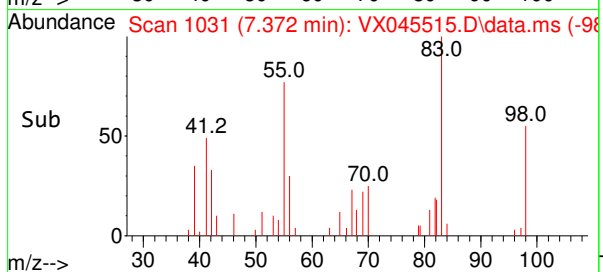
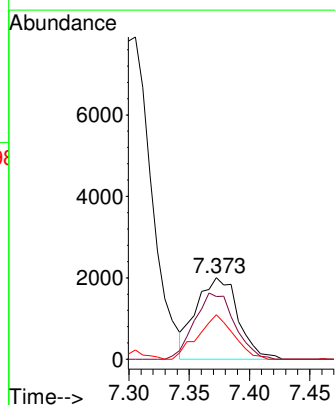
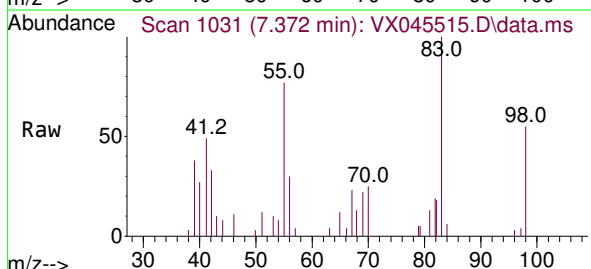
Manual Integrations
APPROVED

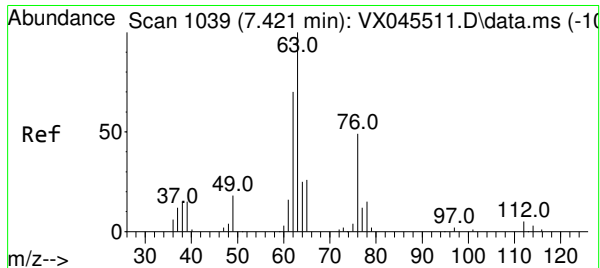
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#35
Methylcyclohexane
Concen: 2.504 ug/L
RT: 7.372 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion: 83 Resp: 4828
Ion Ratio Lower Upper
83 100
55 77.6 60.6 90.8
98 46.8 38.9 58.3





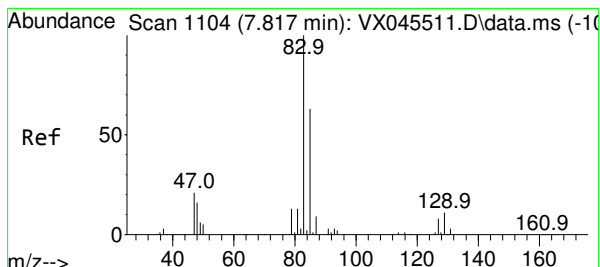
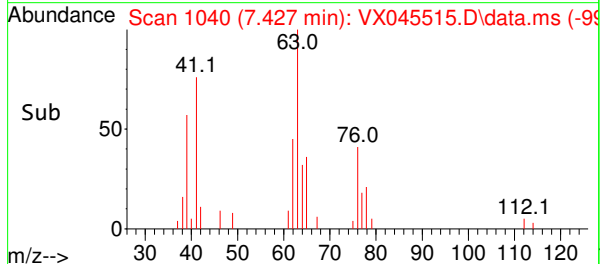
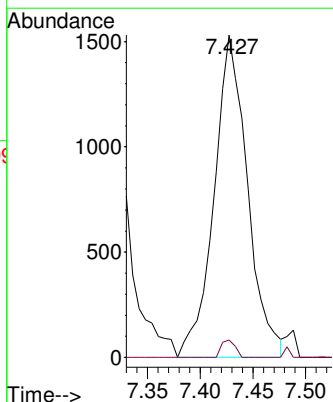
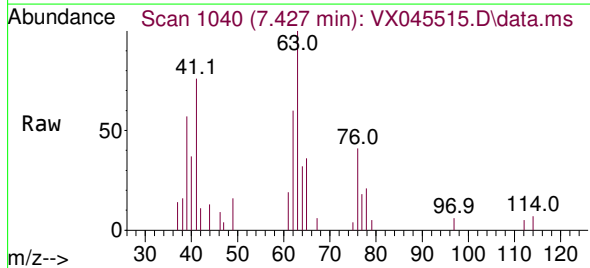
#37
1,2-Dichloropropane
Concen: 2.746 ug/L
RT: 7.427 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion: 63 Resp: 338
Ion Ratio Lower Upper
63 100
112 2.2 3.5 5.3

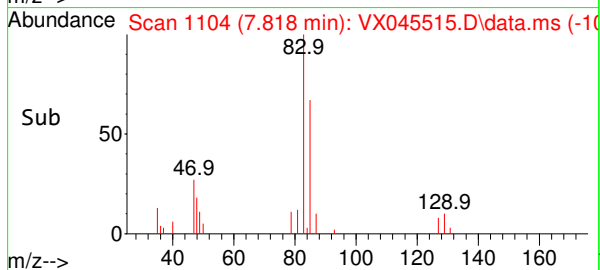
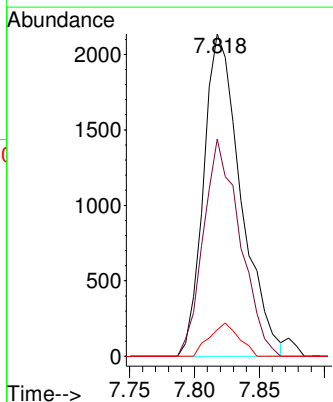
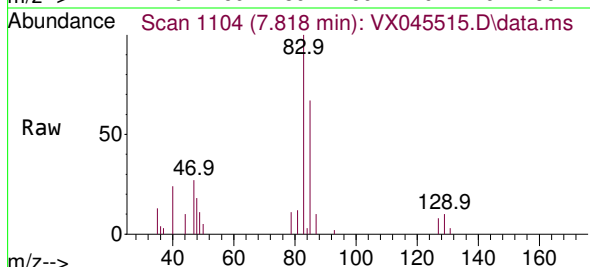
Manual Integrations
APPROVED

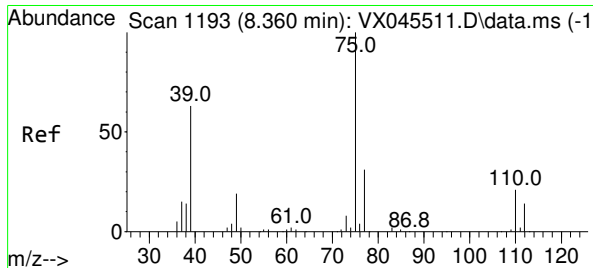
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#38
Bromodichloromethane
Concen: 2.526 ug/L
RT: 7.818 min Scan# 1104
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion: 83 Resp: 4274
Ion Ratio Lower Upper
83 100
85 67.4 43.8 81.3
127 8.2 6.5 9.7





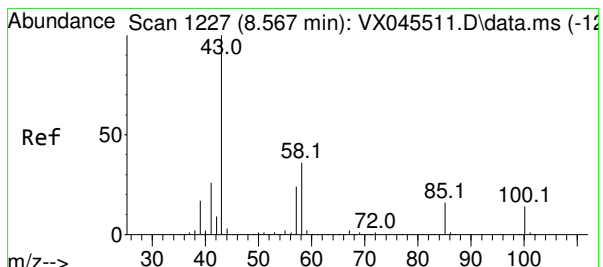
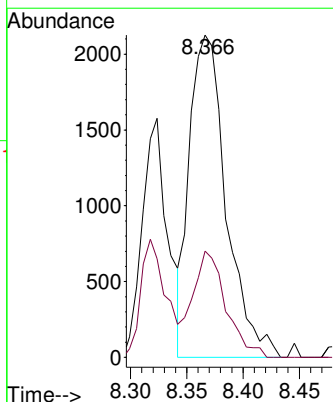
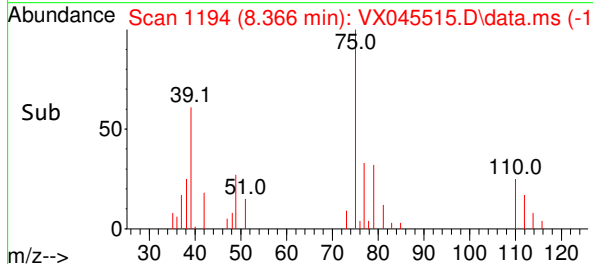
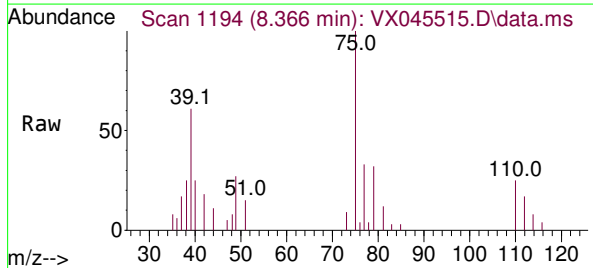
#39
 cis-1,3-Dichloropropene
 Concen: 2.675 ug/L
 RT: 8.366 min Scan# 1193
 Delta R.T. 0.006 min
 Lab File: VX045515.D
 Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
 ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion: 75 Resp: 482
 Ion Ratio Lower Upper
 75 100
 77 33.0 21.7 40.3

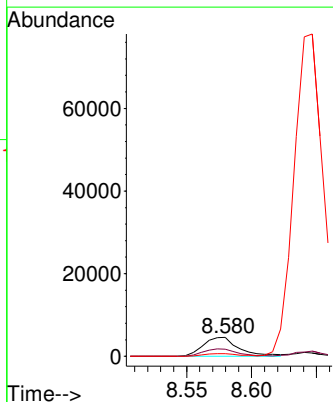
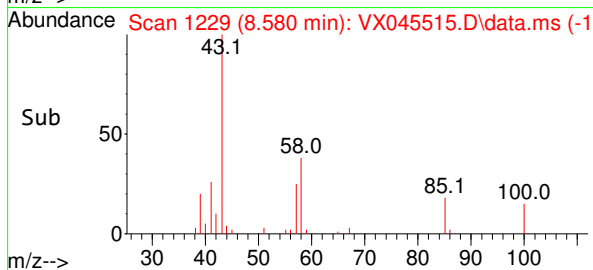
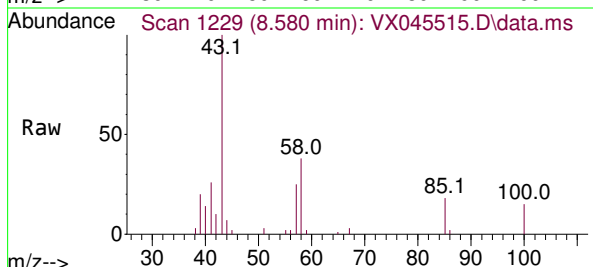
Manual Integrations
 APPROVED

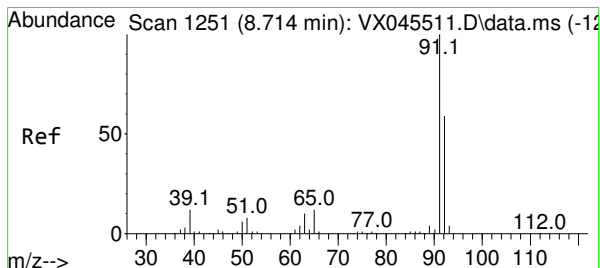
Reviewed By :John Carlone 04/07/2025
 Supervised By :Mahesh Dadoda 04/07/2025



#40
 4-Methyl-2-pentanone
 Concen: 4.620 ug/L
 RT: 8.580 min Scan# 1229
 Delta R.T. 0.012 min
 Lab File: VX045515.D
 Acq: 31 Mar 2025 12:18

Tgt Ion: 43 Resp: 8712
 Ion Ratio Lower Upper
 43 100
 58 37.9 32.1 48.1
 100 13.9 12.9 19.3





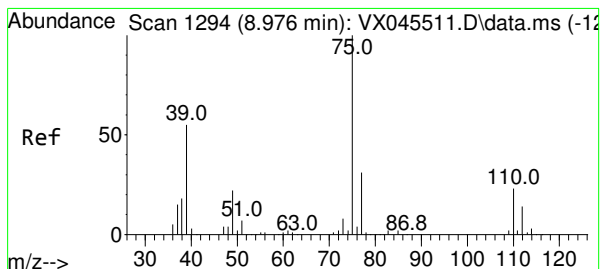
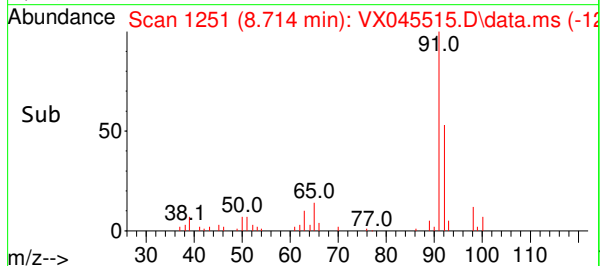
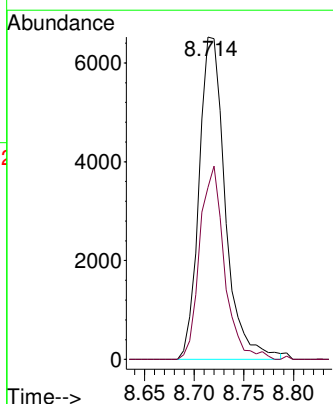
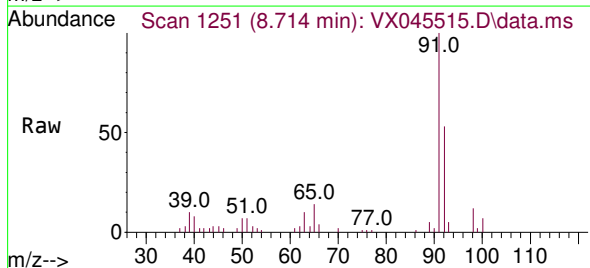
#42
Toluene
Concen: 2.574 ug/L
RT: 8.714 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion: 91 Resp: 1199
Ion Ratio Lower Upper
91 100
92 53.4 40.7 75.5

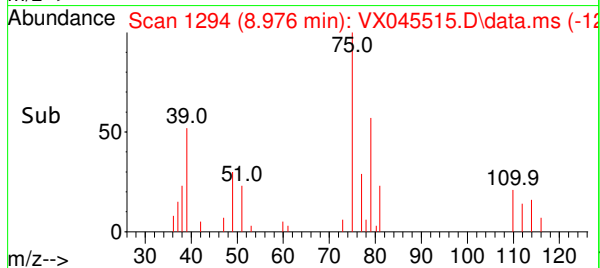
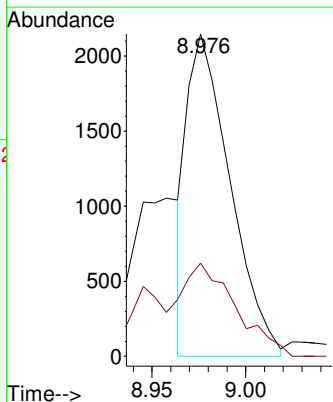
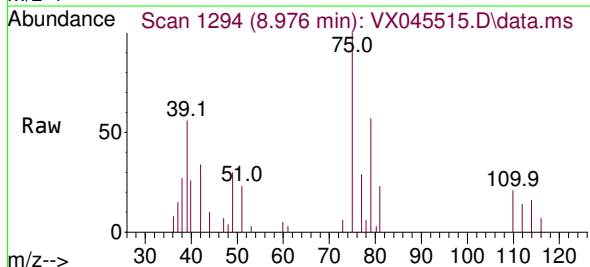
Manual Integrations
APPROVED

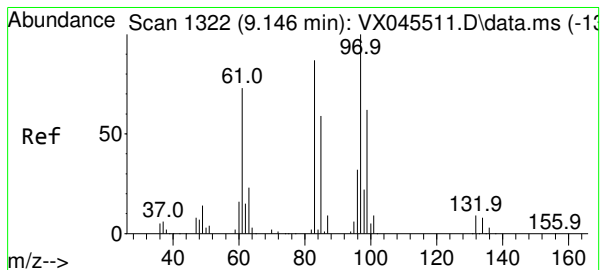
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#44
trans-1,3-Dichloropropene
Concen: 2.041 ug/L
RT: 8.976 min Scan# 1294
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion: 75 Resp: 3430
Ion Ratio Lower Upper
75 100
77 29.0 22.4 41.6





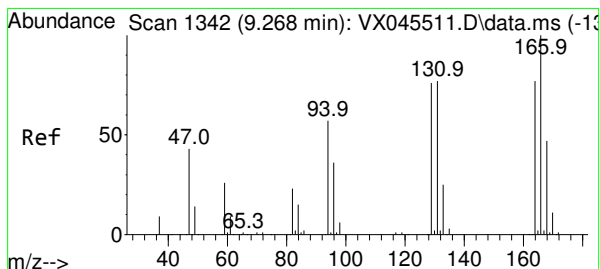
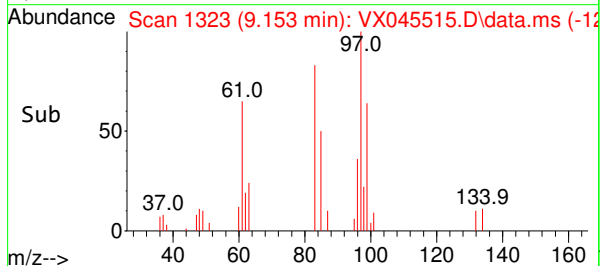
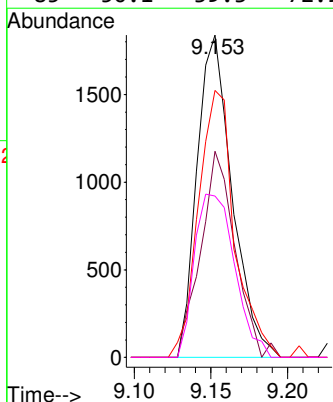
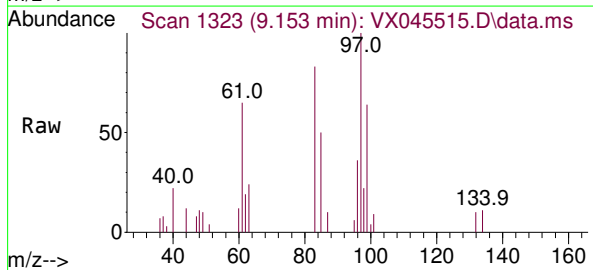
#45
1,1,2-Trichloroethane
Concen: 2.474 ug/L
RT: 9.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion:	97	Resp:	292
Ion	Ratio	Lower	Upper
97	100		
99	64.0	44.8	83.2
83	82.8	60.8	113.6
85	50.1	39.3	72.9

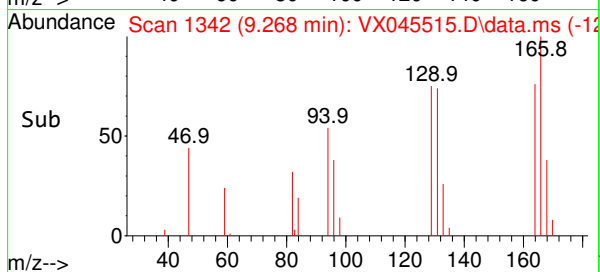
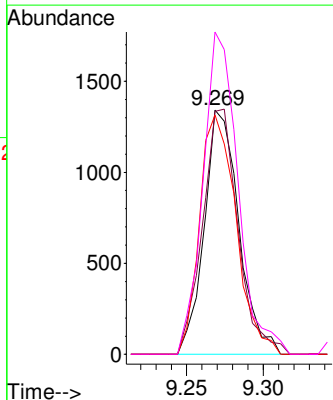
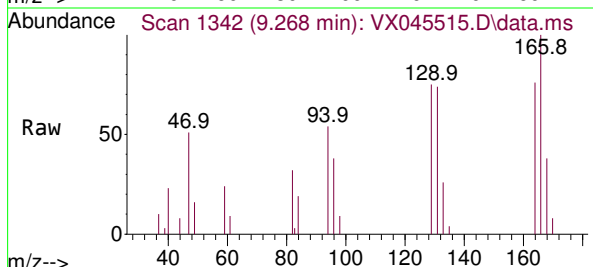
Manual Integrations
APPROVED

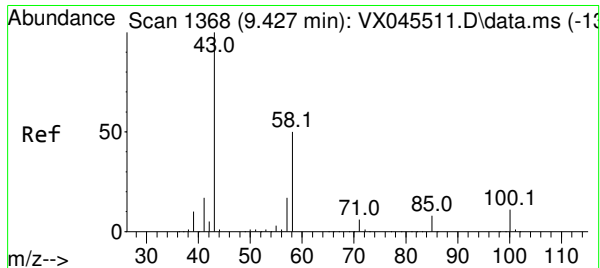
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#46
Tetrachloroethene
Concen: 2.541 ug/L
RT: 9.268 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion:	164	Resp:	2104
Ion	Ratio	Lower	Upper
164	100		
129	99.6	71.2	132.2
131	98.1	67.2	124.8
166	132.0	90.0	167.2





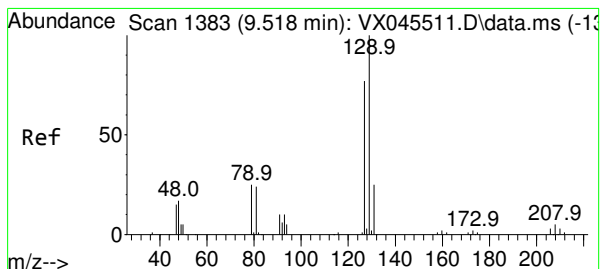
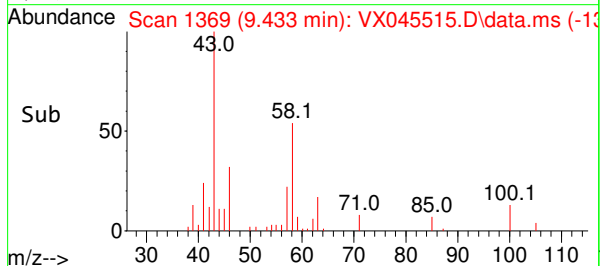
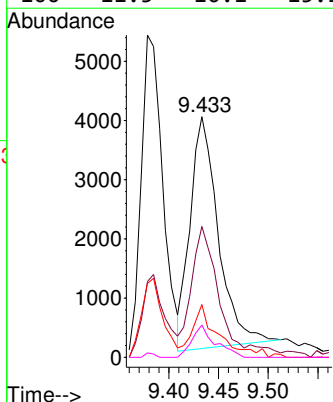
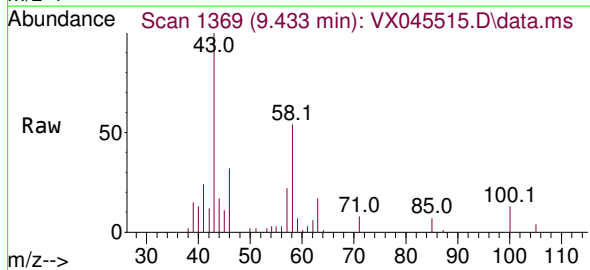
#48
2-Hexanone
Concen: 5.416 ug/L
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion:	43	Resp:	769
Ion	Ratio	Lower	Upper
43	100		
58	52.4	44.3	66.5
57	19.5	15.9	23.9
100	11.5	10.1	15.1

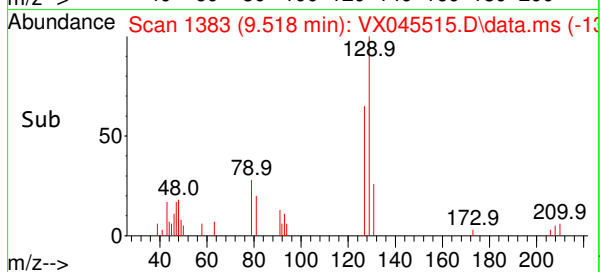
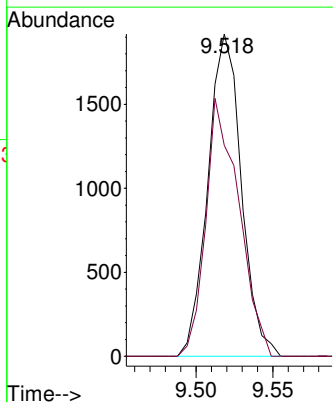
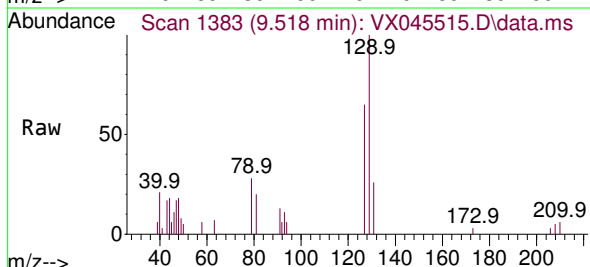
Manual Integrations
APPROVED

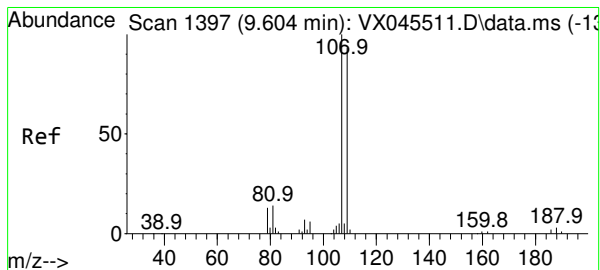
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#49
Dibromochloromethane
Concen: 2.461 ug/L
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

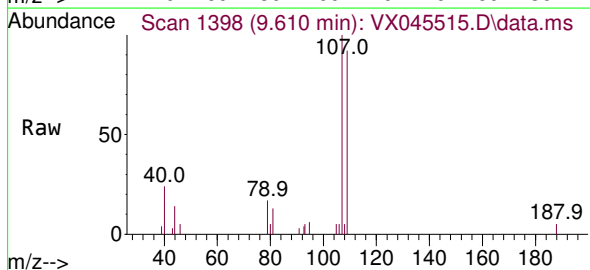
Tgt Ion:	129	Resp:	2905
Ion	Ratio	Lower	Upper
129	100		
127	65.4	53.6	99.6





#50
1,2-Dibromoethane
Concen: 2.632 ug/L
RT: 9.610 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

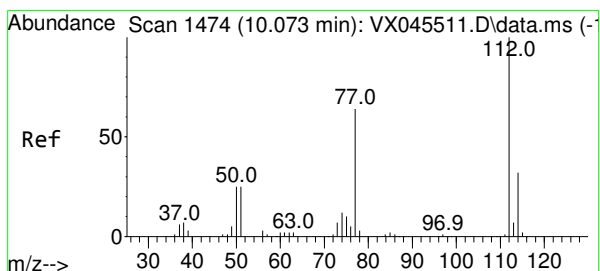
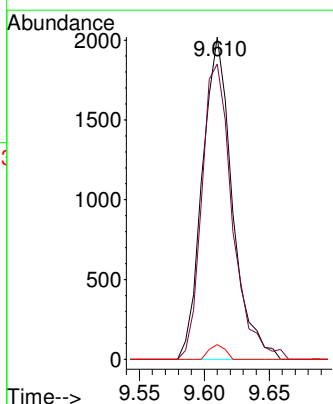
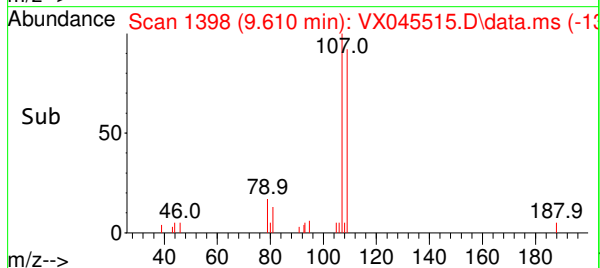
Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01



Tgt Ion:107 Resp: 324
Ion Ratio Lower Upper
107 100
109 91.6 67.2 124.8
188 4.6 2.2 3.4

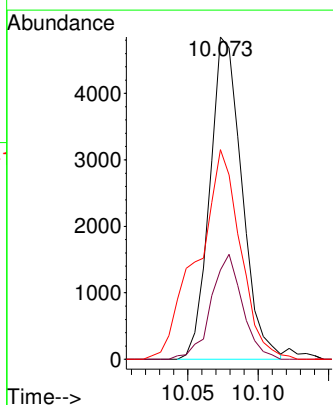
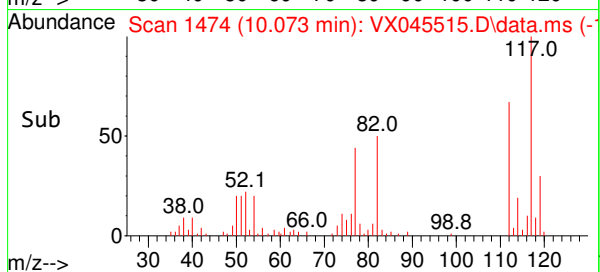
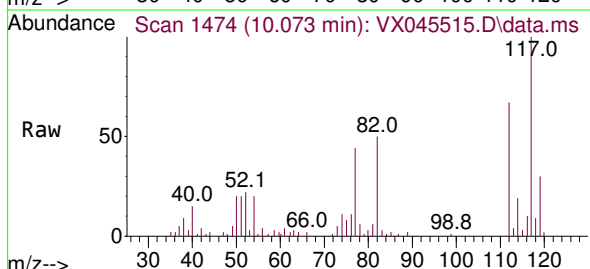
Manual Integrations
APPROVED

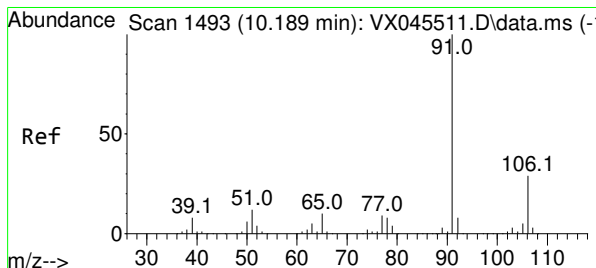
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#51
Chlorobenzene
Concen: 2.623 ug/L
RT: 10.073 min Scan# 1474
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion:112 Resp: 7671
Ion Ratio Lower Upper
112 100
114 27.7 22.4 41.6
77 65.0 49.2 73.8





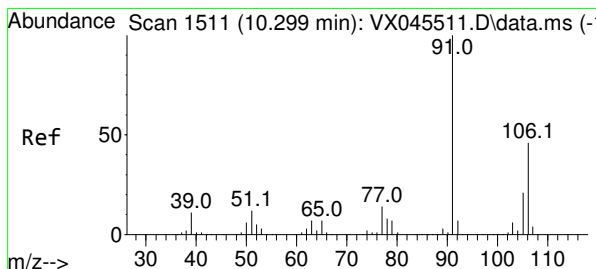
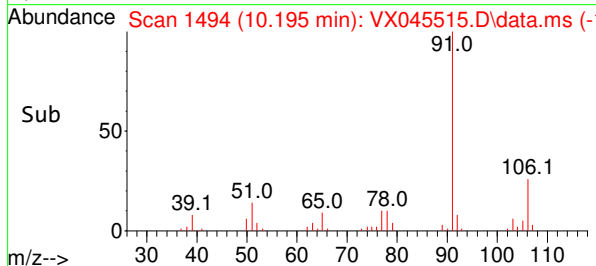
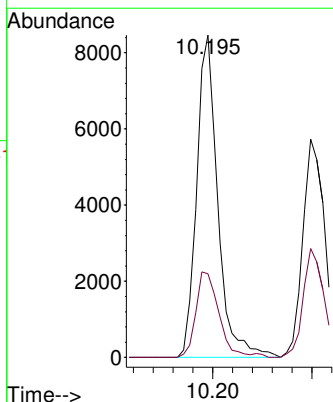
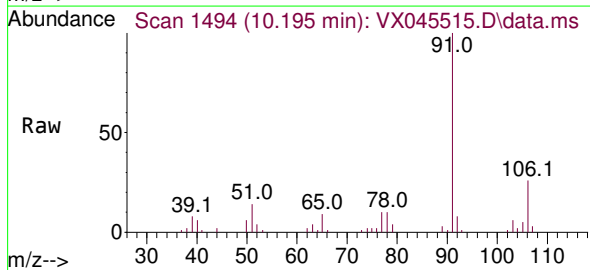
#52
Ethylbenzene
Concen: 2.372 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion: 91 Resp: 1244
Ion Ratio Lower Upper
91 100
106 26.0 21.1 39.3

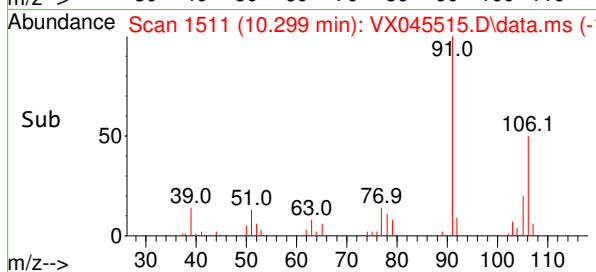
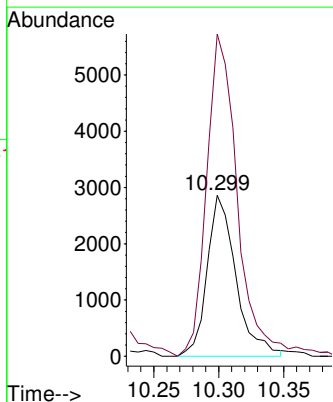
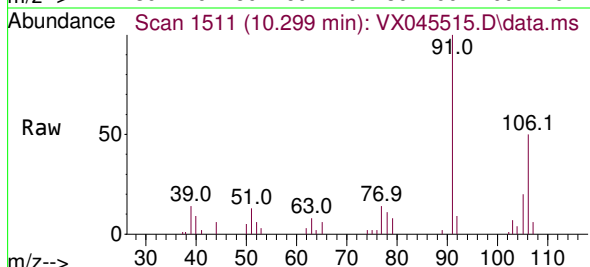
Manual Integrations
APPROVED

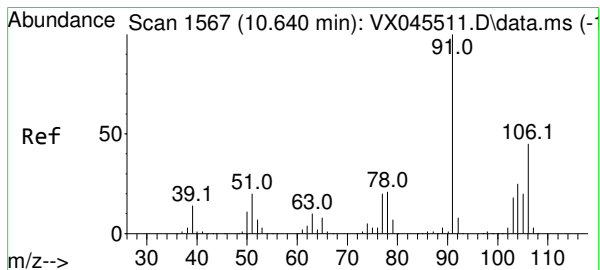
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#53
m,p-Xylene
Concen: 2.323 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion:106 Resp: 4419
Ion Ratio Lower Upper
106 100
91 200.3 145.2 269.6





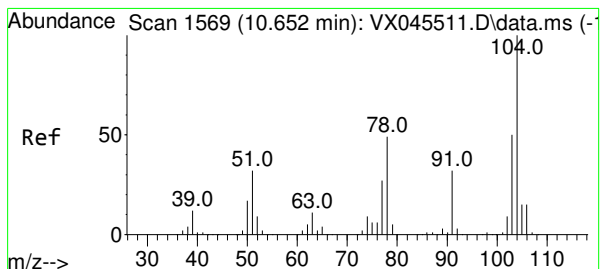
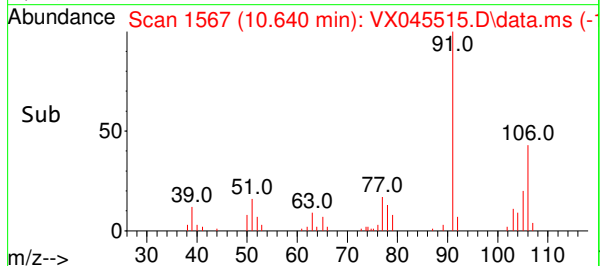
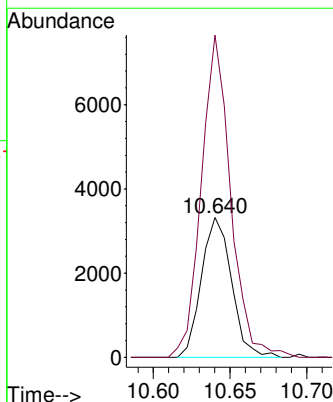
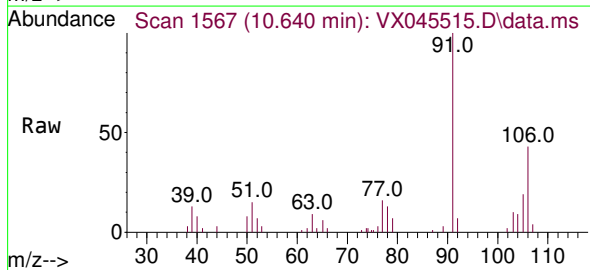
#54
o-Xylene
Concen: 2.432 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion:106 Resp: 454
Ion Ratio Lower Upper
106 100
91 230.4 153.2 284.4

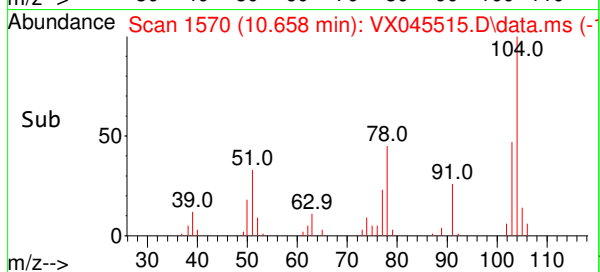
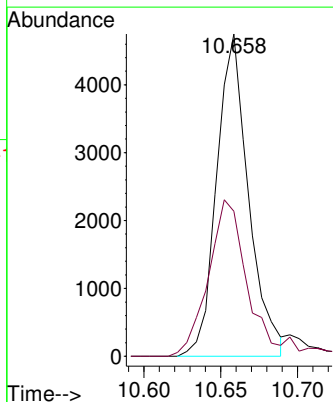
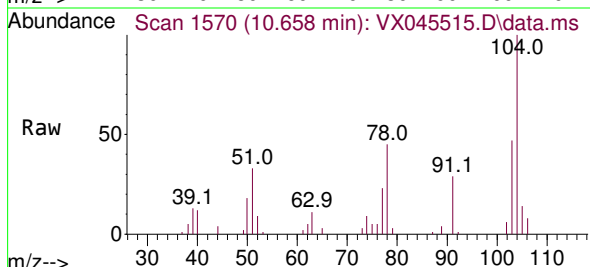
Manual Integrations
APPROVED

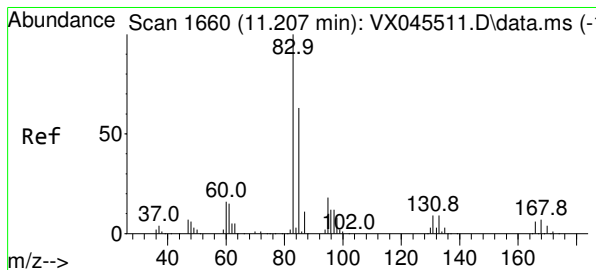
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#55
Styrene
Concen: 2.190 ug/L
RT: 10.658 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion:104 Resp: 6848
Ion Ratio Lower Upper
104 100
78 45.0 32.7 60.7





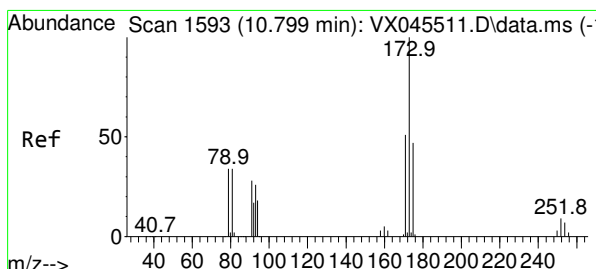
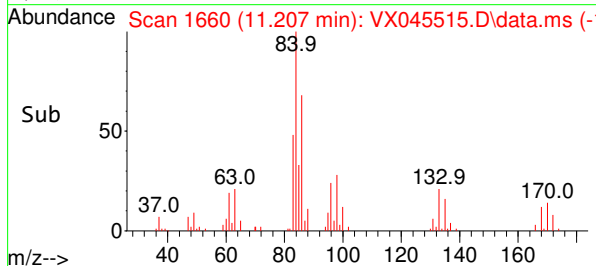
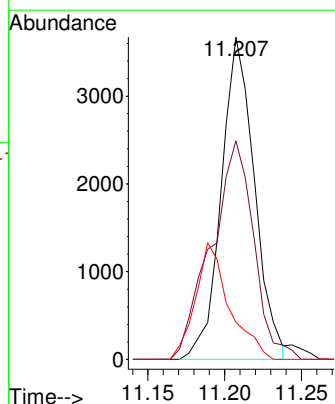
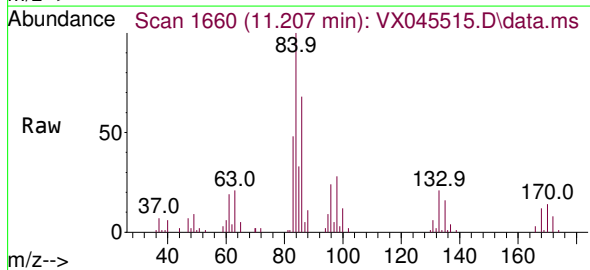
#57
1,1,2,2-Tetrachloroethane
Concen: 2.965 ug/L
RT: 11.207 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion: 83 Resp: 551
Ion Ratio Lower Upper
83 100
85 67.8 44.9 83.5
131 11.6 8.0 12.0

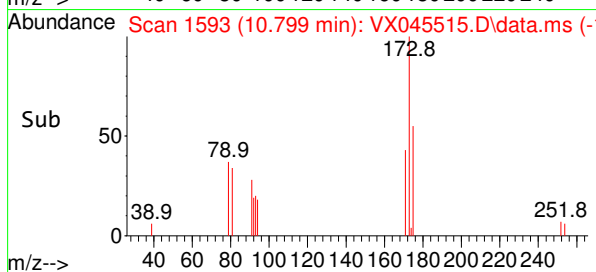
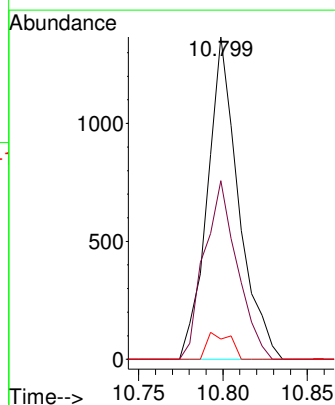
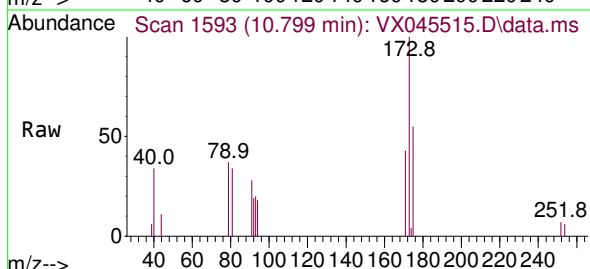
Manual Integrations
APPROVED

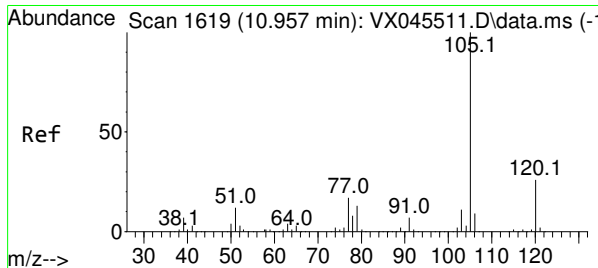
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#59
Bromoform
Concen: 2.345 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion:173 Resp: 1759
Ion Ratio Lower Upper
173 100
175 58.6 38.6 58.0#
254 6.3 6.6 10.0#





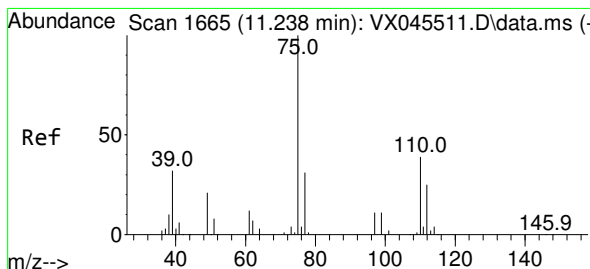
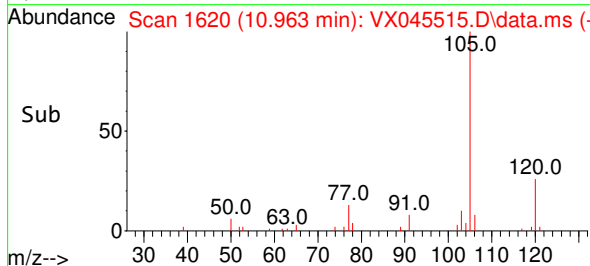
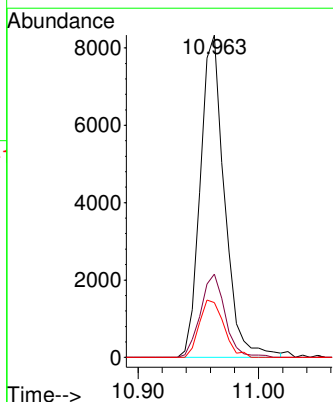
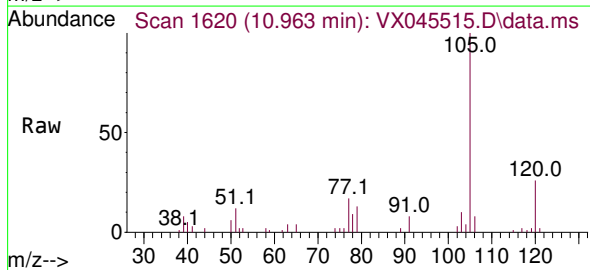
#60
Isopropylbenzene
Concen: 2.393 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion: 105 Resp: 1166
Ion Ratio Lower Upper
105 100
120 25.9 20.9 31.3
77 18.0 12.6 19.6

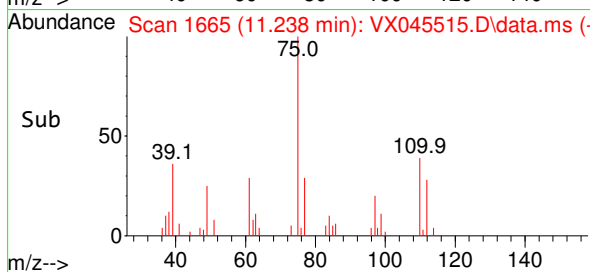
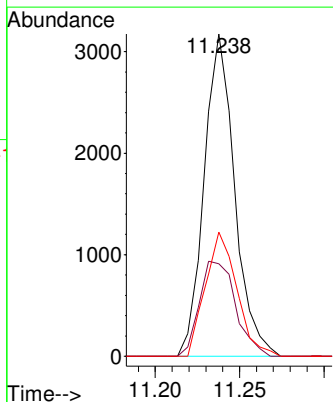
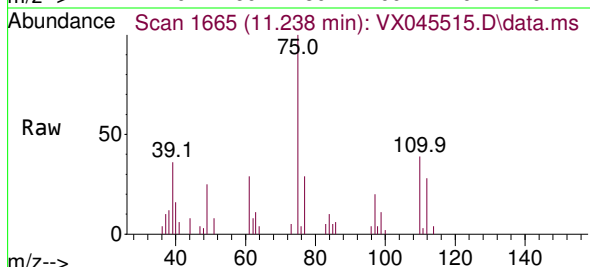
Manual Integrations
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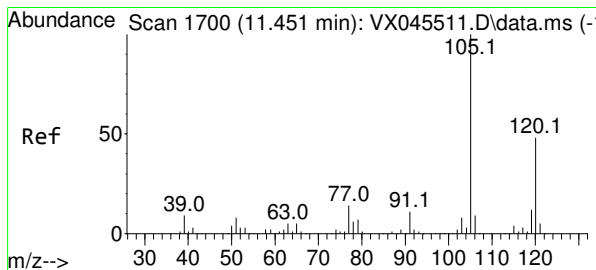
Reviewed By : John Carlone 04/07/2025
Supervised By : Mahesh Dadoda 04/07/2025



#61
1,2,3-Trichloropropane
Concen: 2.761 ug/L
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion: 75 Resp: 4001
Ion Ratio Lower Upper
75 100
77 34.9 25.8 38.6
110 39.8 30.8 46.2





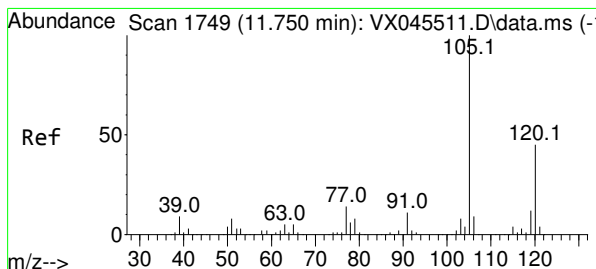
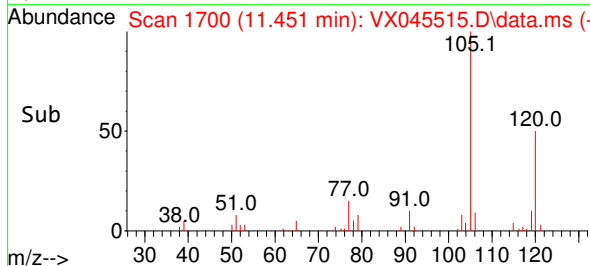
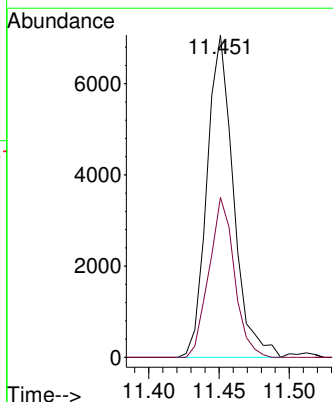
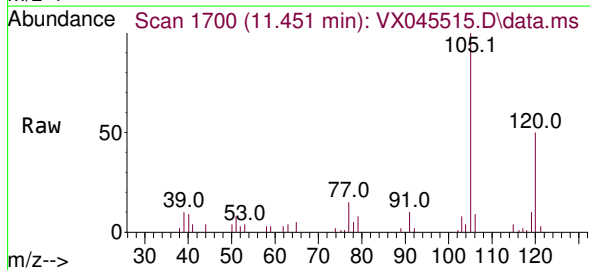
#62
1,3,5-Trimethylbenzene
Concen: 2.331 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2025-01

Tgt Ion:105 Resp: 924
Ion Ratio Lower Upper
105 100
120 47.5 38.3 57.5

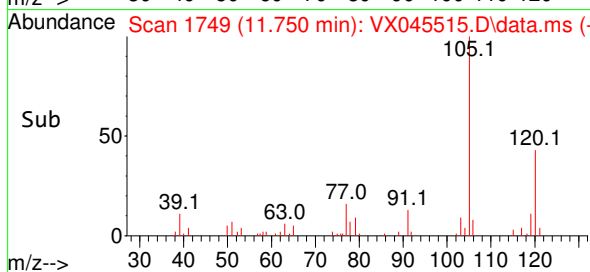
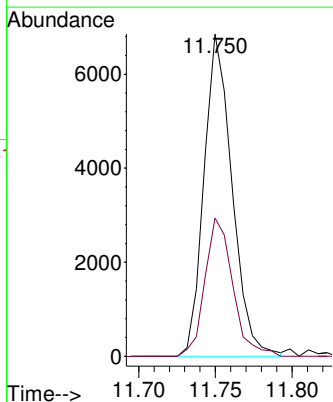
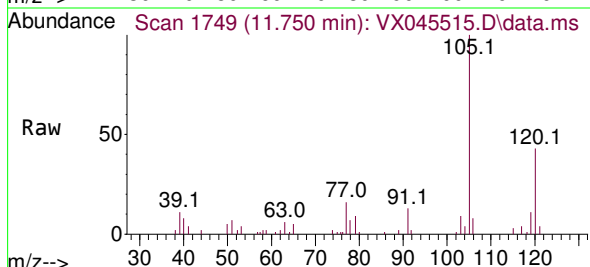
Manual Integrations
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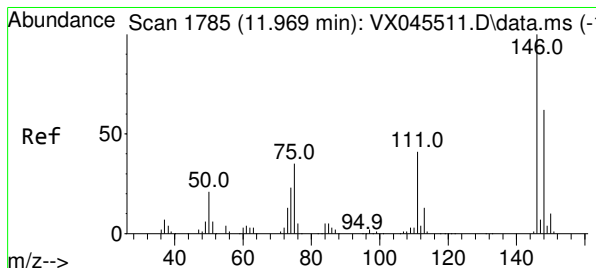
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#63
1,2,4-Trimethylbenzene
Concen: 2.246 ug/L
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion:105 Resp: 8741
Ion Ratio Lower Upper
105 100
120 42.5 35.7 53.5





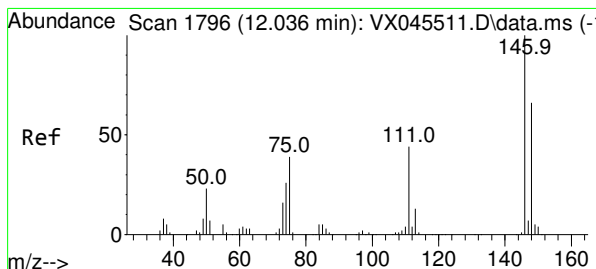
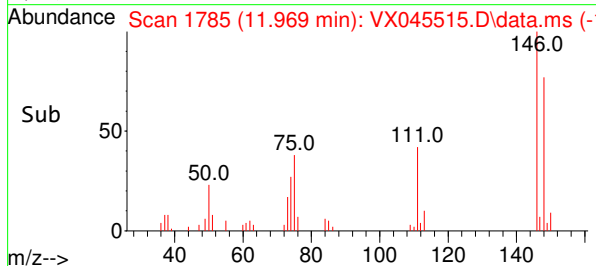
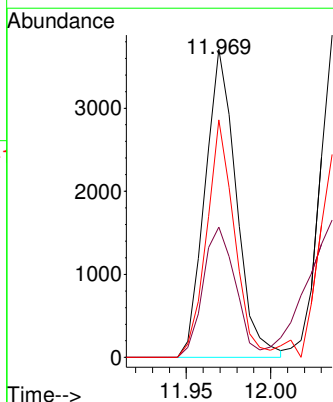
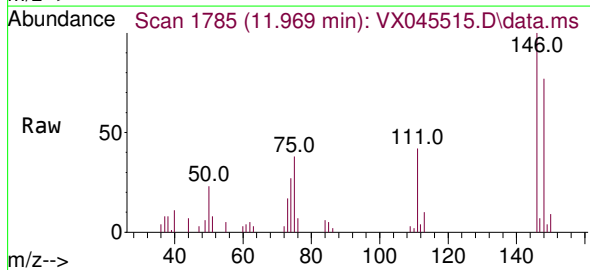
#64
1,3-Dichlorobenzene
Concen: 2.428 ug/L
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion:146 Resp: 478
Ion Ratio Lower Upper
146 100
111 42.4 29.5 54.9
148 77.1 44.4 82.5

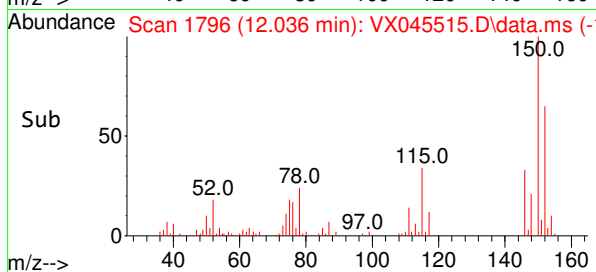
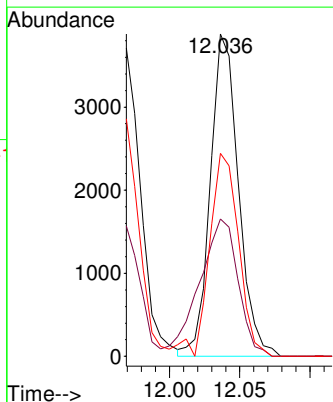
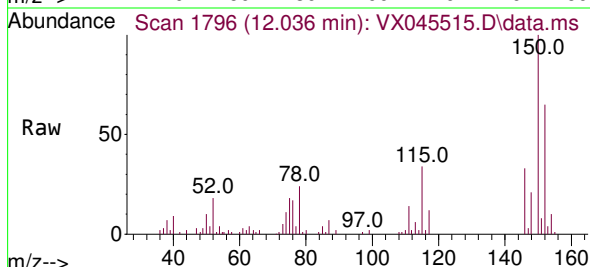
Manual Integrations
APPROVED

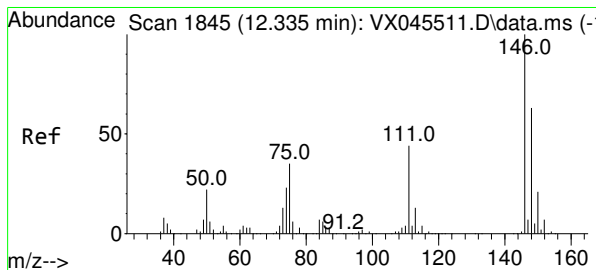
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#65
1,4-Dichlorobenzene
Concen: 2.744 ug/L
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion:146 Resp: 5390
Ion Ratio Lower Upper
146 100
111 42.6 29.7 55.1
148 63.0 43.5 80.7





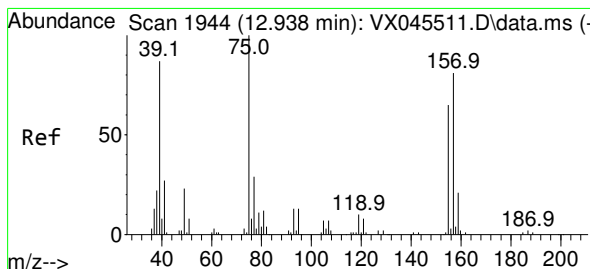
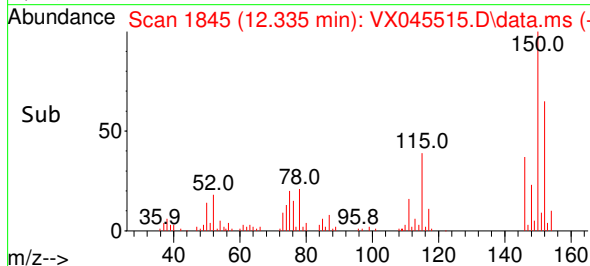
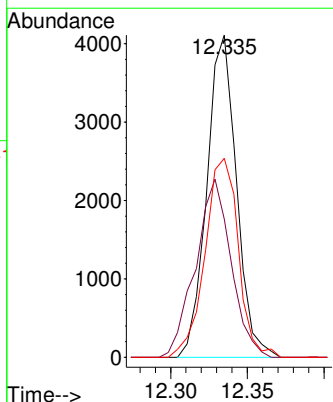
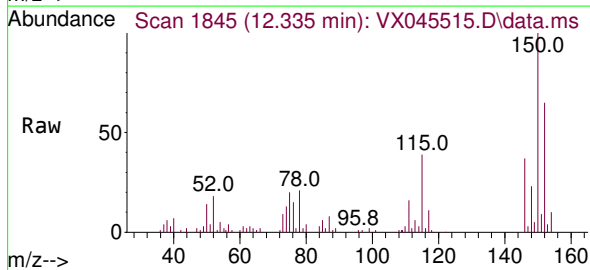
#67
1,2-Dichlorobenzene
Concen: 2.821 ug/L
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion:	146	Resp:	552
Ion	Ratio	Lower	Upper
146	100		
111	42.9	36.1	54.1
148	61.8	51.5	77.3

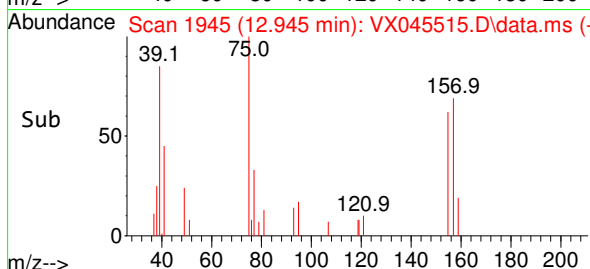
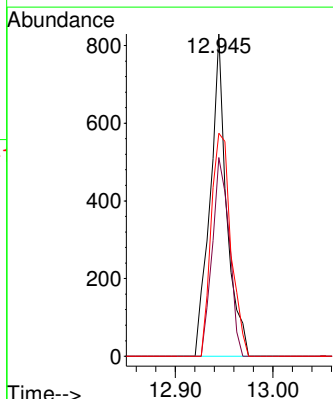
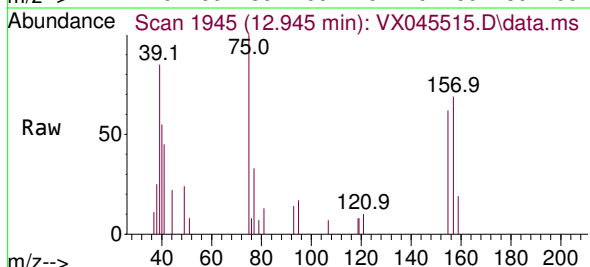
Manual Integrations
APPROVED

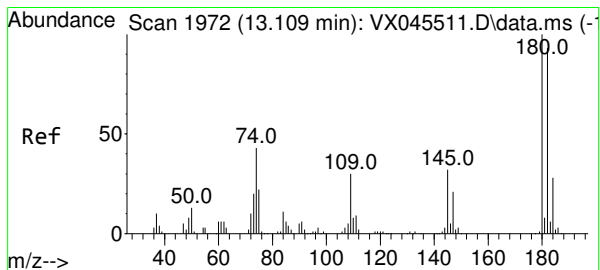
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#68
1,2-Dibromo-3-chloropropane
Concen: 2.495 ug/L m
RT: 12.945 min Scan# 1945
Delta R.T. 0.006 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion:	75	Resp:	972
Ion	Ratio	Lower	Upper
75	100		
155	61.7	62.5	93.7#
157	69.2	83.5	125.3#





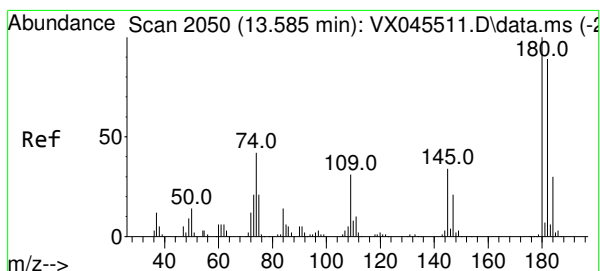
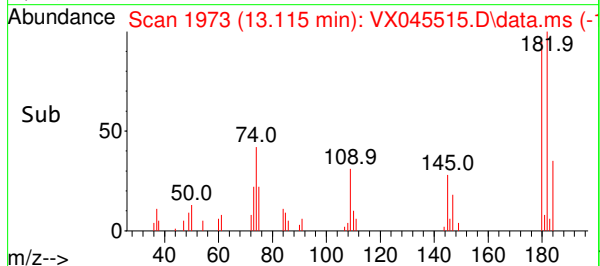
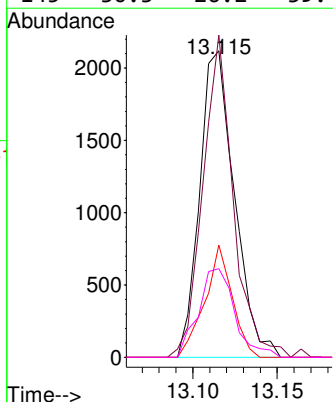
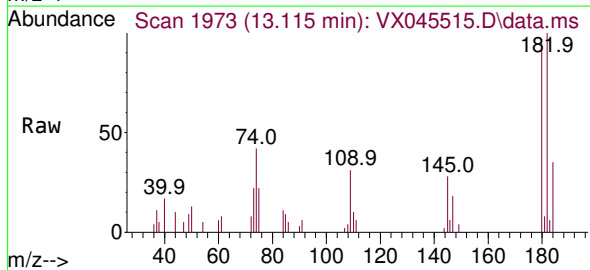
#69
1,3,5-Trichlorobenzene
Concen: 2.436 ug/L
RT: 13.115 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument : MSVOA_X
ClientSampleId : MDL-MED-SOIL-QT1-2025-01

Tgt Ion:180 Resp: 303
Ion Ratio Lower Upper
180 100
182 90.8 77.0 115.6
184 28.9 24.0 36.0
145 30.3 26.2 39.4

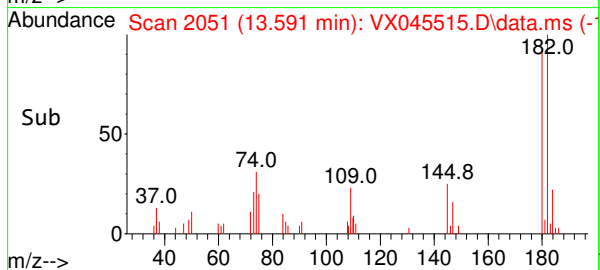
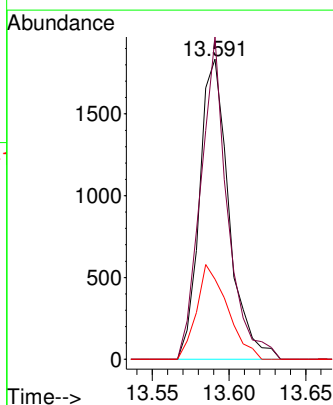
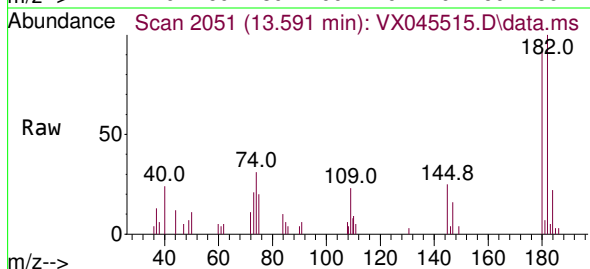
Manual Integrations
APPROVED

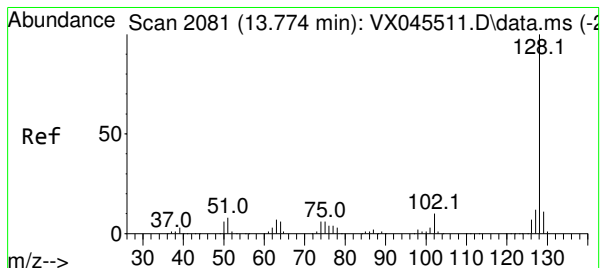
Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#70
1,2,4-trichlorobenzene
Concen: 2.235 ug/L
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion:180 Resp: 2458
Ion Ratio Lower Upper
180 100
182 97.8 76.5 114.7
145 33.0 27.0 40.4





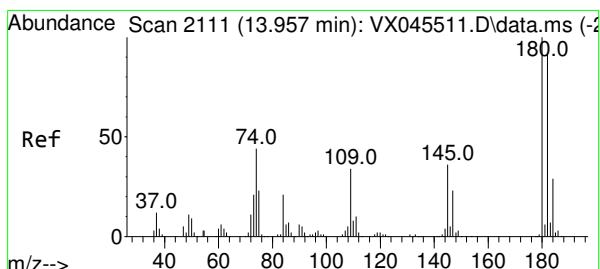
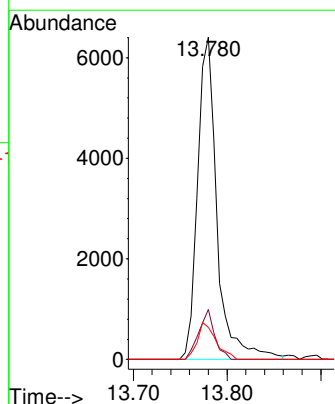
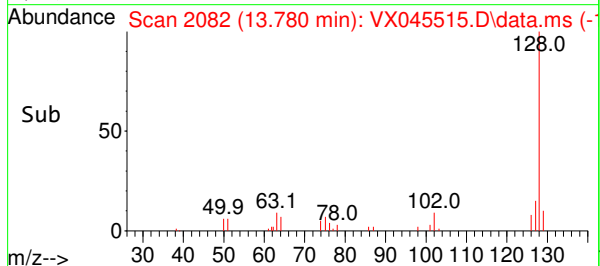
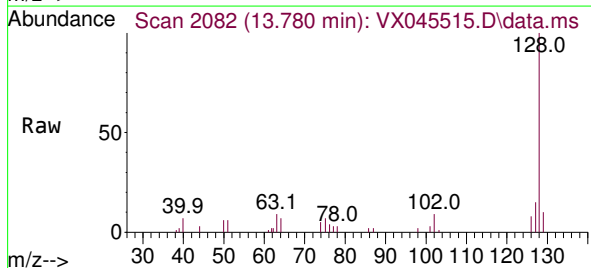
#71
Naphthalene
Concen: 2.230 ug/L
RT: 13.780 min Scan# 2111
Delta R.T. 0.006 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Instrument :
MSVOA_X
ClientSampleId :
MDL-MED-SOIL-QT1-2025-01

Tgt Ion:128 Resp: 927
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 10.9 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/07/2025
Supervised By :Mahesh Dadoda 04/07/2025



#72
1,2,3-Trichlorobenzene
Concen: 2.633 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX045515.D
Acq: 31 Mar 2025 12:18

Tgt Ion:180 Resp: 2976
Ion Ratio Lower Upper
180 100
182 86.2 77.1 115.7
145 31.8 28.3 42.5

