

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102423\
 Data File : VD077388.D
 Acq On : 24 Oct 2023 11:18
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/25/2023
 Supervised By : Mahesh Dadoda 10/25/2023

Quant Time: Oct 25 04:01:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 18 03:02:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	209198	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	338491	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	318337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	166180	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	75863	40.612	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.220%		
35) Dibromofluoromethane	7.805	113	94486	39.733	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	79.460%		
50) Toluene-d8	10.269	98	346447	40.679	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	81.360%		
62) 4-Bromofluorobenzene	12.575	95	101872	41.554	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	83.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	104700	53.834	ug/l	96
3) Chloromethane	2.152	50	214803	54.236	ug/l	100
4) Vinyl Chloride	2.287	62	260696	55.724	ug/l	97
5) Bromomethane	2.699	94	162119	53.925	ug/l	99
6) Chloroethane	2.840	64	184484	56.095	ug/l	98
7) Trichlorofluoromethane	3.181	101	282814	59.592	ug/l	99
8) Diethyl Ether	3.593	74	52866	41.561	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.969	101	120824	49.209	ug/l	99
10) Methyl Iodide	4.164	142	138473	46.091	ug/l	95
11) Tert butyl alcohol	5.046	59	27369	260.453	ug/l #	91
12) 1,1-Dichloroethene	3.940	96	113300	47.038	ug/l	100
13) Acrolein	3.799	56	43449	238.190	ug/l	100
14) Allyl chloride	4.564	41	115979	50.748	ug/l	99
15) Acrylonitrile	5.252	53	110245	286.003	ug/l	99
16) Acetone	4.022	43	106175	259.196	ug/l #	86
17) Carbon Disulfide	4.275	76	339449	47.940	ug/l	98
18) Methyl Acetate	4.564	43	73877	51.820	ug/l	100
19) Methyl tert-butyl Ether	5.322	73	229187	55.863	ug/l	95
20) Methylene Chloride	4.805	84	142037	58.060	ug/l	95
21) trans-1,2-Dichloroethene	5.311	96	136681	54.558	ug/l	96
22) Diisopropyl ether	6.216	45	276858	61.712	ug/l	96
23) Vinyl Acetate	6.152	43	655313	311.691	ug/l	97
24) 1,1-Dichloroethane	6.111	63	211004	56.568	ug/l	99
25) 2-Butanone	7.081	43	124064	291.967	ug/l	97
26) 2,2-Dichloropropane	7.075	77	190309	55.955	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	150300	53.506	ug/l	99
28) Bromochloromethane	7.428	49	69649	51.116	ug/l	95
29) Tetrahydrofuran	7.452	42	71749	292.712	ug/l	99
30) Chloroform	7.599	83	232843	54.406	ug/l	98
31) Cyclohexane	7.875	56	163186	56.148	ug/l	99
32) 1,1,1-Trichloroethane	7.793	97	200653	54.346	ug/l	97
36) 1,1-Dichloropropene	8.010	75	172786	55.297	ug/l	99
37) Ethyl Acetate	7.163	43	56098	57.154	ug/l	95
38) Carbon Tetrachloride	7.993	117	184027	52.942	ug/l	98
39) Methylcyclohexane	9.275	83	204252	53.796	ug/l	97
40) Benzene	8.252	78	518434	54.673	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	21046	44.929	ug/l #	60
42) 1,2-Dichloroethane	8.322	62	119524	53.513	ug/l	100
43) Isopropyl Acetate	8.357	43	99396	56.251	ug/l	100
44) Trichloroethene	9.028	130	139801	50.426	ug/l	98
45) 1,2-Dichloropropane	9.310	63	122123	55.869	ug/l	97
46) Dibromomethane	9.393	93	70816	51.821	ug/l	96
47) Bromodichloromethane	9.581	83	174973	53.696	ug/l	99
48) Methyl methacrylate	9.381	41	46596	58.292	ug/l	89
49) 1,4-Dioxane	9.381	88	14134	1050.929	ug/l	96
51) 4-Methyl-2-Pentanone	10.157	43	265021	299.201	ug/l	97
52) Toluene	10.334	92	338281	54.638	ug/l	97
53) t-1,3-Dichloropropene	10.552	75	159874	54.659	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	195052	54.503	ug/l	97
55) 1,1,2-Trichloroethane	10.734	97	99442	52.539	ug/l	94
56) Ethyl methacrylate	10.599	69	101346	56.027	ug/l	100
57) 1,3-Dichloropropane	10.881	76	156102	53.690	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.869	63	245993	274.996	ug/l	99
59) 2-Hexanone	10.922	43	194420	305.610	ug/l	96
60) Dibromochloromethane	11.075	129	122377	50.636	ug/l	95
61) 1,2-Dibromoethane	11.181	107	93010	52.149	ug/l	99
64) Tetrachloroethene	10.810	164	113299	47.884	ug/l	92
65) Chlorobenzene	11.610	112	355897	51.290	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	135017	51.189	ug/l	95
67) Ethyl Benzene	11.687	91	628870	54.673	ug/l	97
68) m/p-Xylenes	11.793	106	511594	108.313	ug/l	94
69) o-Xylene	12.122	106	230916	53.107	ug/l	95
70) Styrene	12.134	104	406233	54.760	ug/l	99
71) Bromoform	12.298	173	72230	49.955	ug/l #	96
73) Isopropylbenzene	12.422	105	611543	55.636	ug/l	97
74) N-amyl acetate	12.234	43	91990	58.174	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.675	83	110122	55.132	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	84111m	37.980	ug/l	
77) Bromobenzene	12.698	156	143847	49.848	ug/l	97
78) n-propylbenzene	12.763	91	760053	57.415	ug/l	96
79) 2-Chlorotoluene	12.851	91	396871	55.042	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	506839	55.877	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	36188	58.351	ug/l	94
82) 4-Chlorotoluene	12.945	91	421348	56.129	ug/l	98
83) tert-Butylbenzene	13.169	119	444332	55.252	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	519258	56.858	ug/l	96
85) sec-Butylbenzene	13.345	105	687159	56.783	ug/l	96
86) p-Isopropyltoluene	13.463	119	581471	55.309	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	308608	50.816	ug/l	99
88) 1,4-Dichlorobenzene	13.540	146	300848	49.991	ug/l	100
89) n-Butylbenzene	13.787	91	526478	57.511	ug/l	98
90) Hexachloroethane	14.051	117	113477	53.398	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	263127	51.291	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	14255	58.307	ug/l	92
93) 1,2,4-Trichlorobenzene	15.098	180	154488	48.333	ug/l	98
94) Hexachlorobutadiene	15.210	225	87421	48.158	ug/l	97
95) Naphthalene	15.334	128	278988	51.696	ug/l	100
96) 1,2,3-Trichlorobenzene	15.522	180	138065	49.765	ug/l	99

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

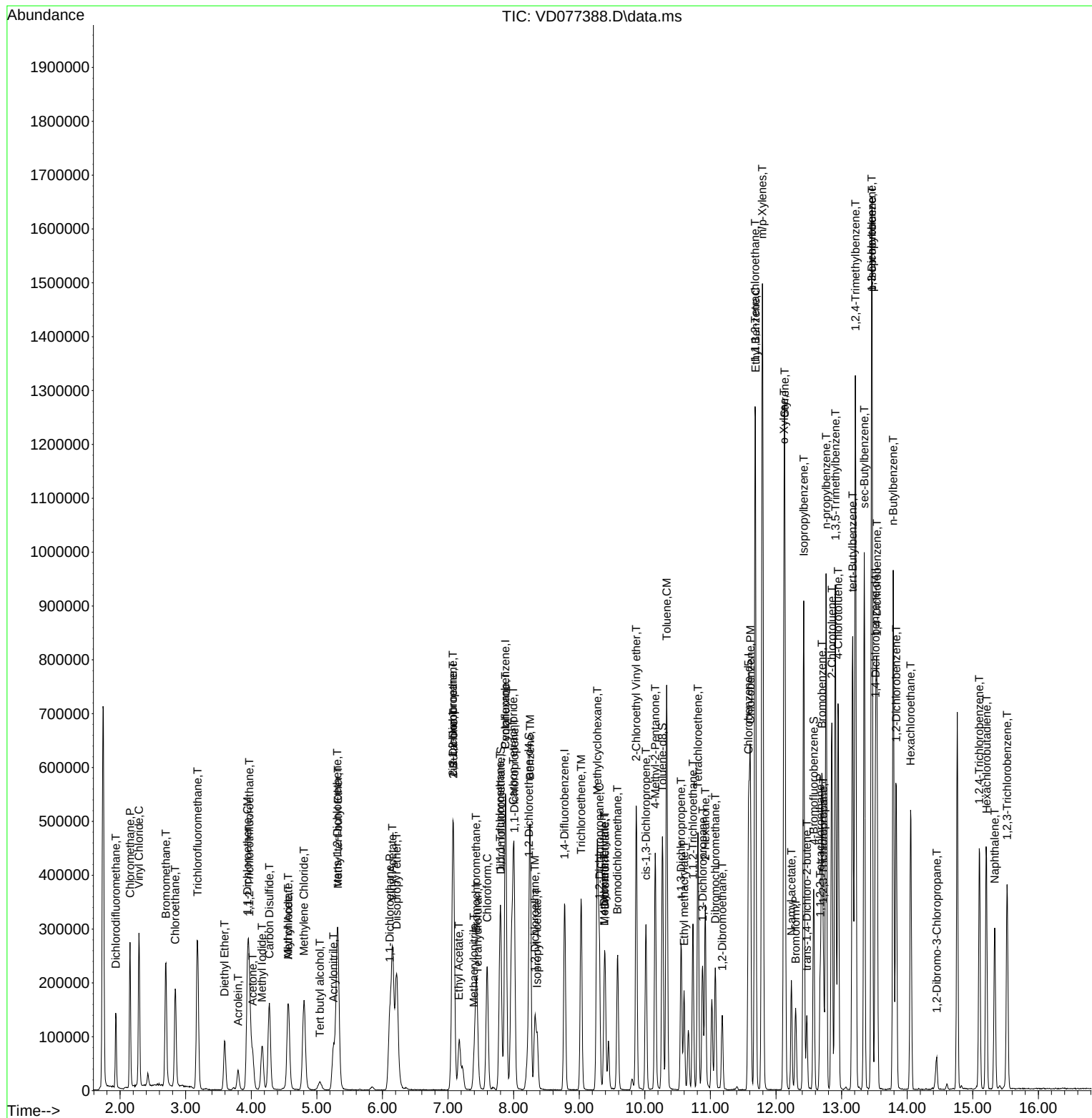
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102423\
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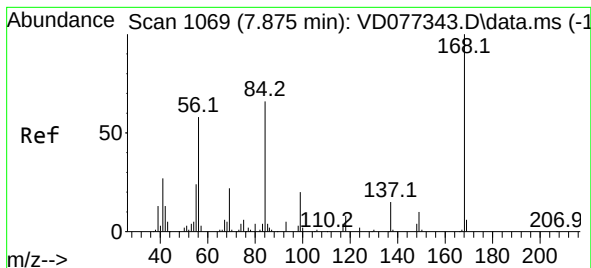
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD077388.D

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MSVOA_D

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VSTDCCC050

Tgt Ion:168 Resp: 209198

Ion Ratio Lower Upper

168 100

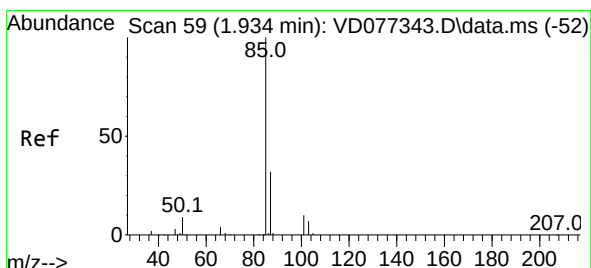
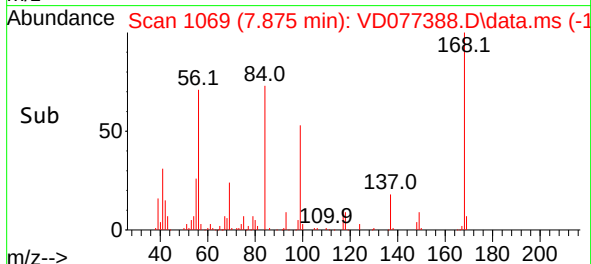
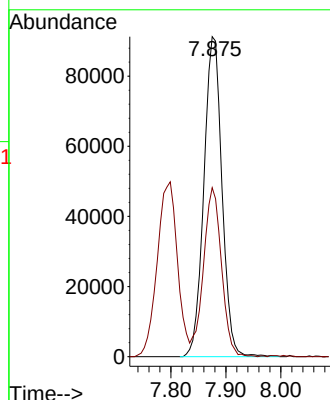
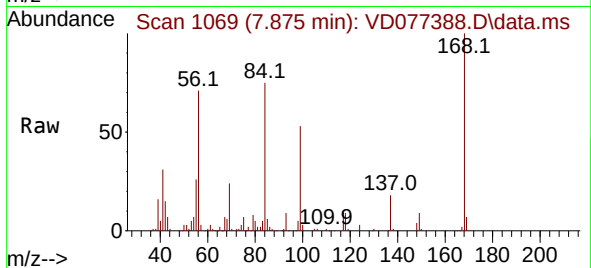
99 52.7 36.7 55.1

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 53.834 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD077388.D

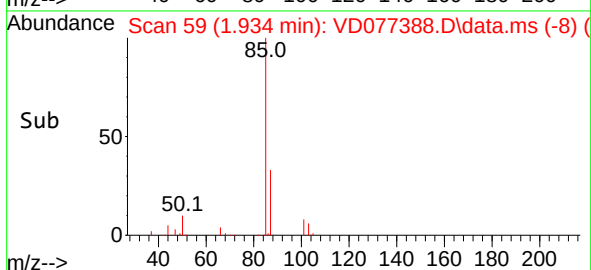
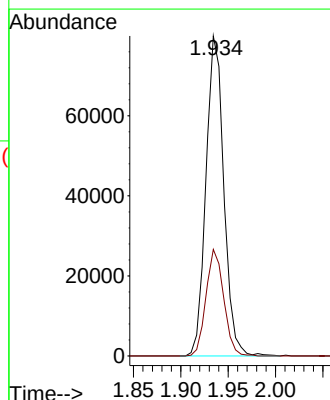
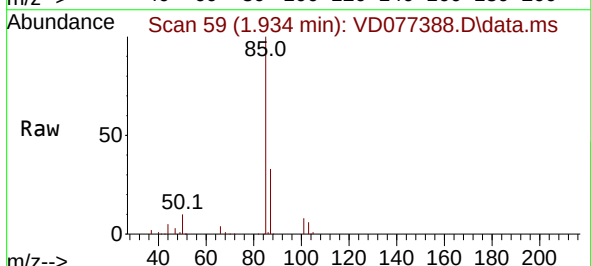
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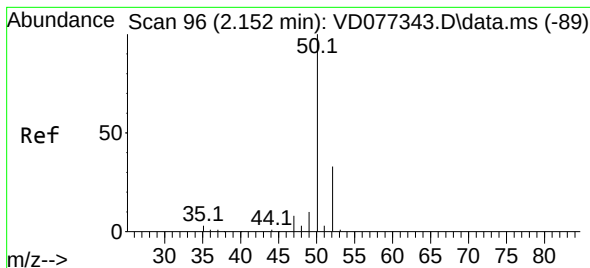
Tgt Ion: 85 Resp: 104700

Ion Ratio Lower Upper

85 100

87 33.3 15.7 47.0





#3

Chloromethane

Concen: 54.236 ug/l

RT: 2.152 min Scan# 96

Delta R.T. -0.000 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 21480

Ion Ratio Lower Upper

50 100

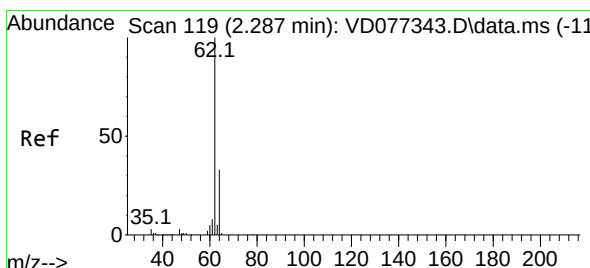
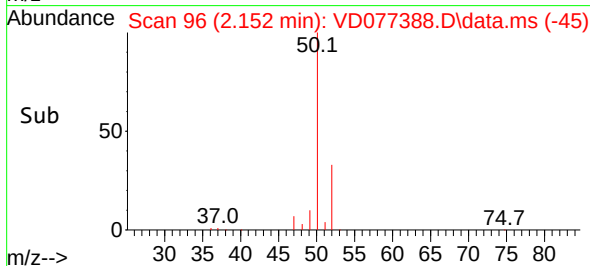
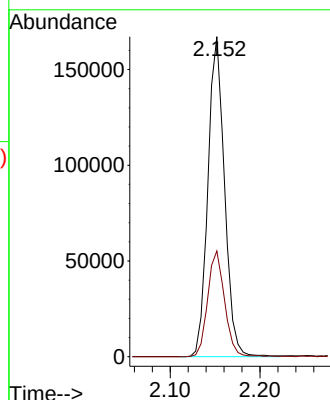
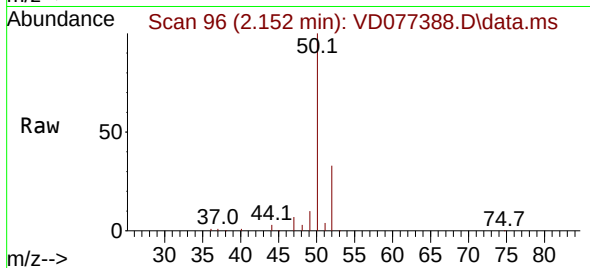
52 33.1 26.6 40.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 55.724 ug/l

RT: 2.287 min Scan# 119

Delta R.T. 0.000 min

Lab File: VD077388.D

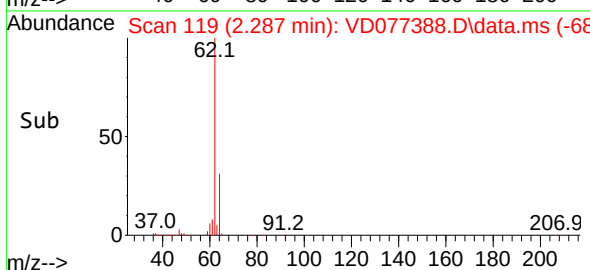
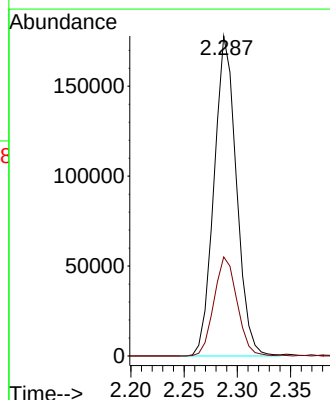
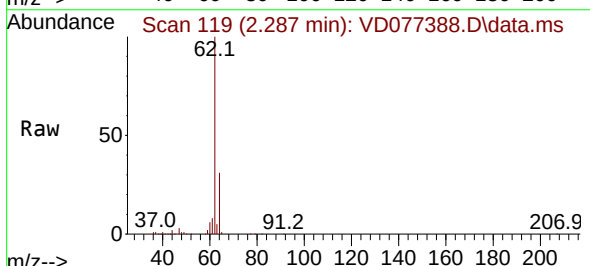
Acq: 24 Oct 2023 11:18

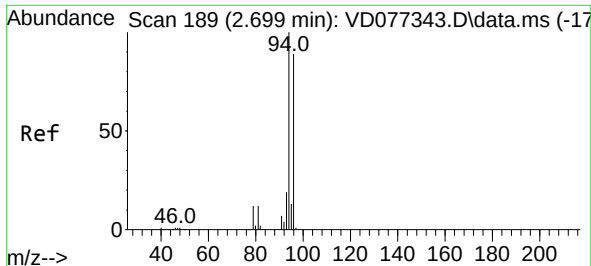
Tgt Ion: 62 Resp: 260696

Ion Ratio Lower Upper

62 100

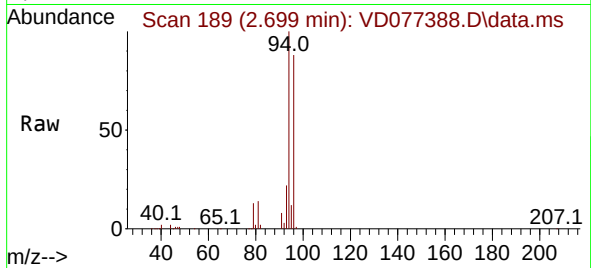
64 31.0 26.0 39.0





#5
Bromomethane
Concen: 53.925 ug/l
RT: 2.699 min Scan# 189
Delta R.T. -0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

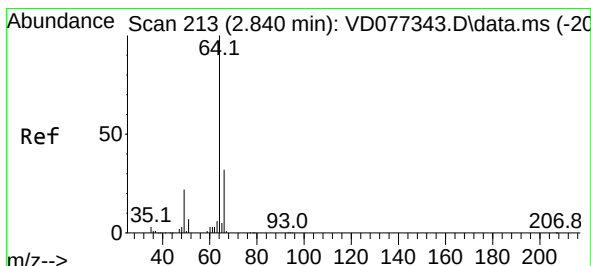
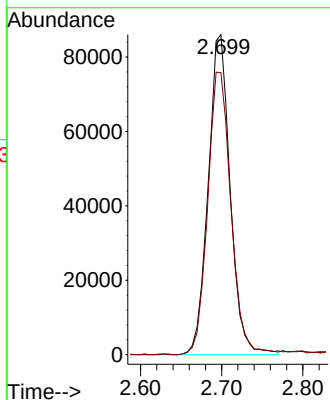
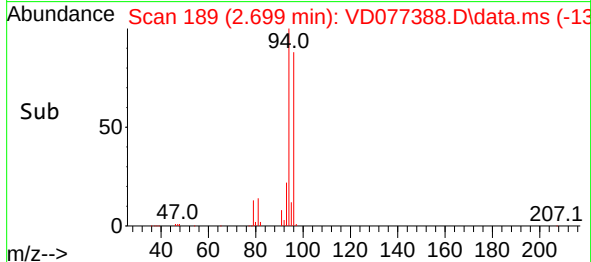
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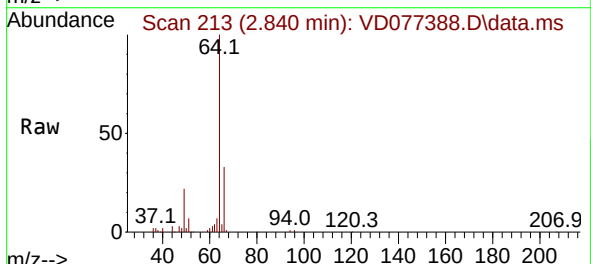
Tgt Ion: 94 Resp: 162119
Ion Ratio Lower Upper
94 100
96 93.7 75.8 113.8

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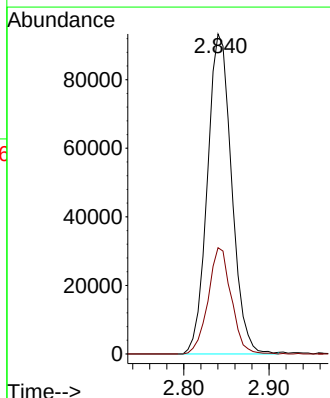
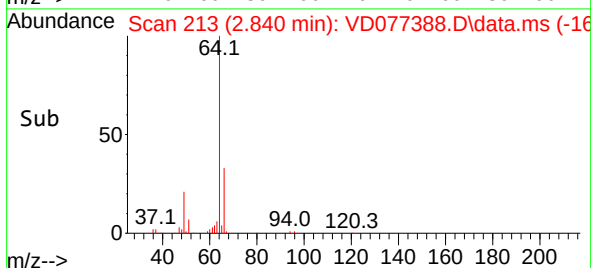
Reviewed By :John Carlone 10/25/2023
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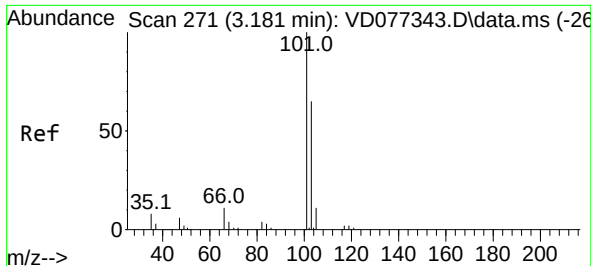


#6
Chloroethane
Concen: 56.095 ug/l
RT: 2.840 min Scan# 213
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18



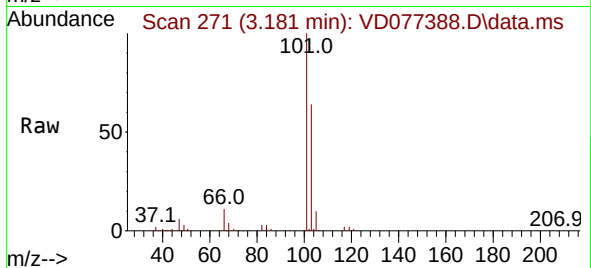
Tgt Ion: 64 Resp: 184484
Ion Ratio Lower Upper
64 100
66 33.2 25.5 38.3





#7
 Trichlorofluoromethane
 Concen: 59.592 ug/l
 RT: 3.181 min Scan# 271
 Delta R.T. 0.000 min
 Lab File: VD077388.D
 Acq: 24 Oct 2023 11:18

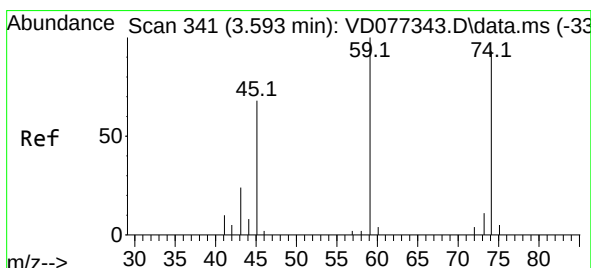
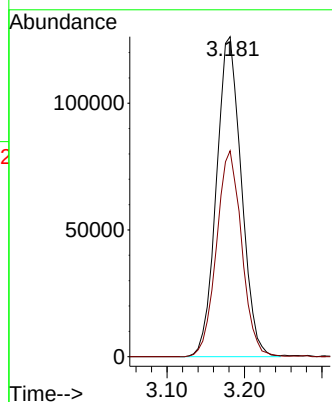
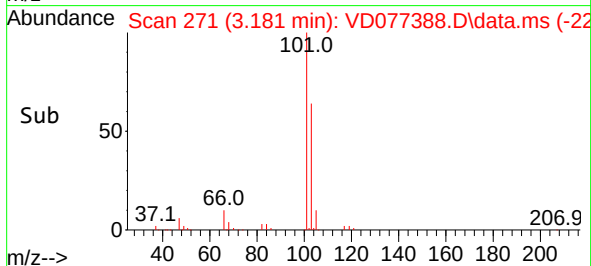
Instrument :
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Tgt Ion: 101 Resp: 282814
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.3 78.5

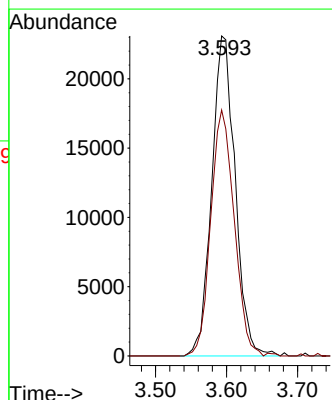
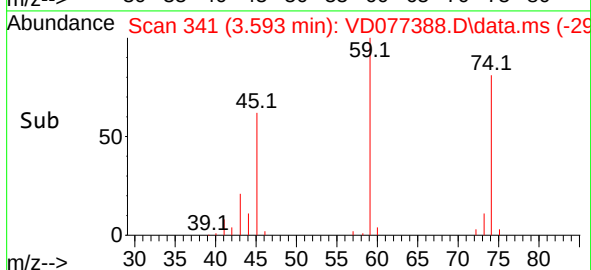
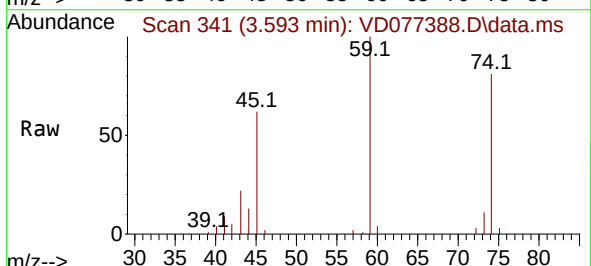
Manual Integrations
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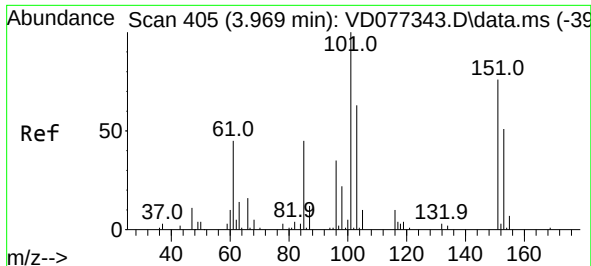
Reviewed By : John Carlone 10/25/2023
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#8
 Diethyl Ether
 Concen: 41.561 ug/l
 RT: 3.593 min Scan# 341
 Delta R.T. 0.000 min
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Tgt Ion: 74 Resp: 52866
 Ion Ratio Lower Upper
 74 100
 45 76.8 37.5 112.7





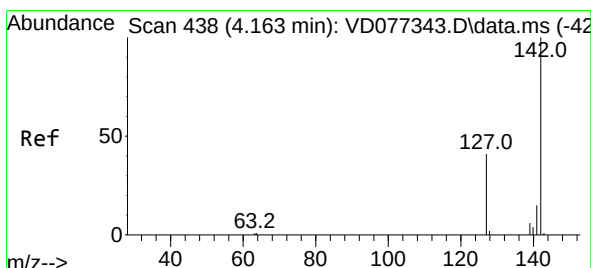
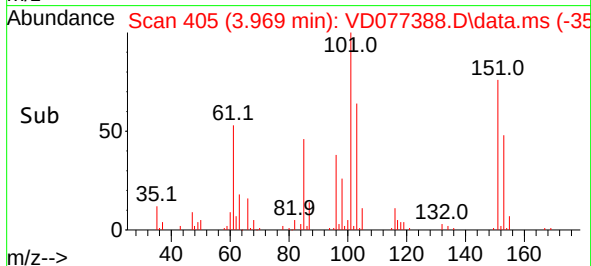
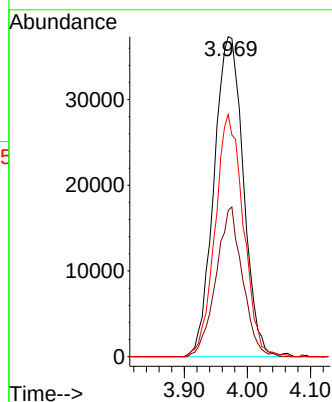
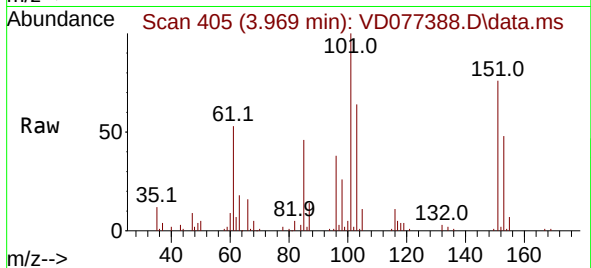
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.209 ug/l
RT: 3.969 min Scan# 405
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 120824
Ion Ratio Lower Upper
101 100
85 42.2 33.8 50.6
151 72.8 59.8 89.6

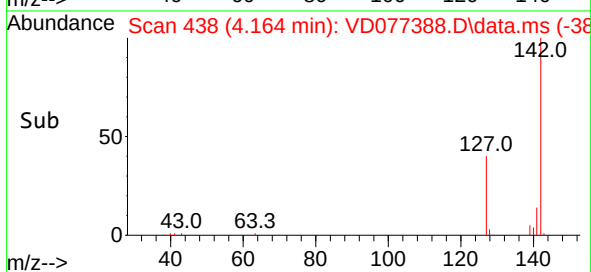
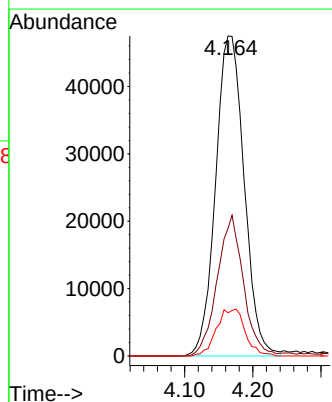
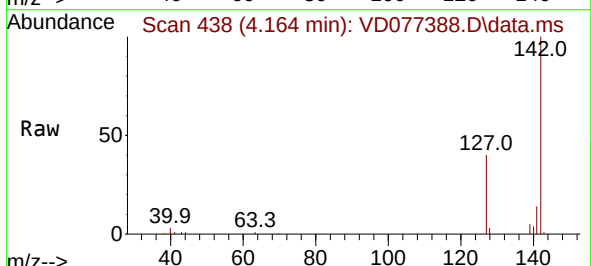
Manual Integrations
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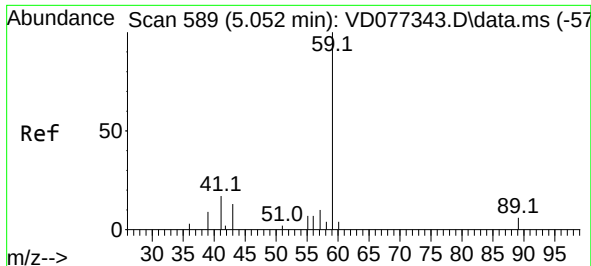
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#10
Methyl Iodide
Concen: 46.091 ug/l
RT: 4.164 min Scan# 438
Delta R.T. 0.001 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

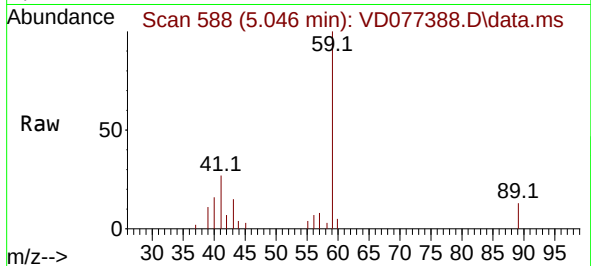
Tgt Ion:142 Resp: 138473
Ion Ratio Lower Upper
142 100
127 40.3 29.4 44.0
141 14.7 11.1 16.7





#11
Tert butyl alcohol
Concen: 260.453 ug/l
RT: 5.046 min Scan# 588
Delta R.T. -0.006 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

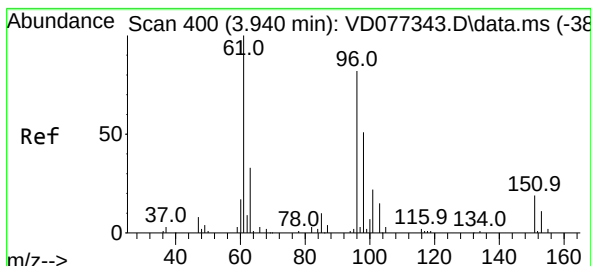
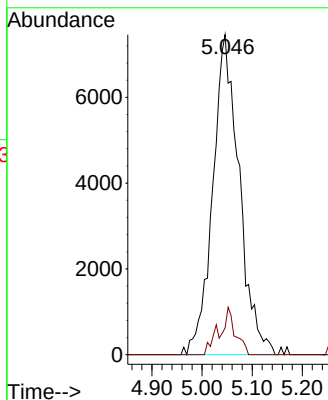
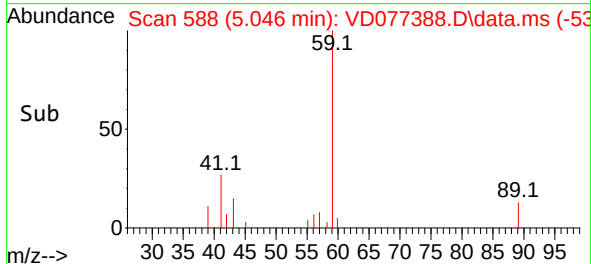
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



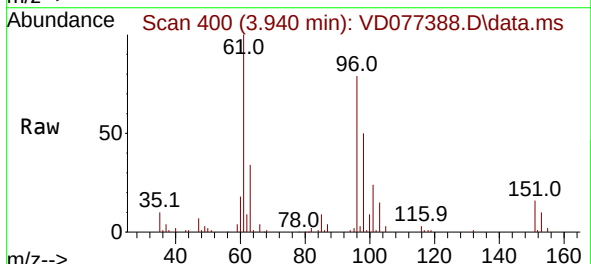
Tgt Ion: 59 Resp: 27369
Ion Ratio Lower Upper
59 100
57 6.3 7.8 11.8

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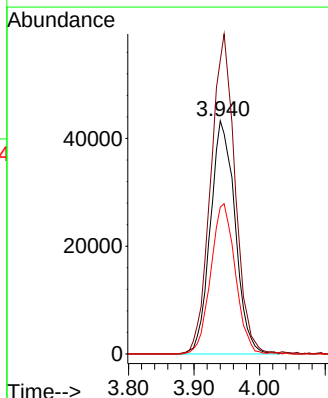
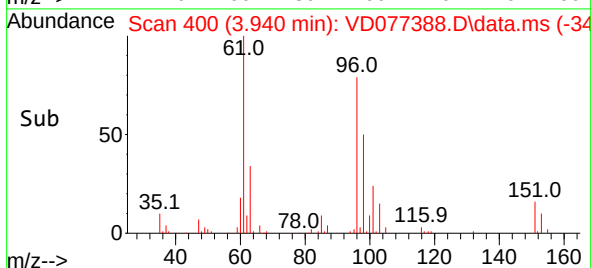
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

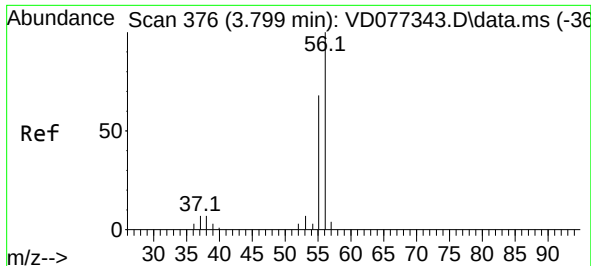


#12
1,1-Dichloroethene
Concen: 47.038 ug/l
RT: 3.940 min Scan# 400
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18



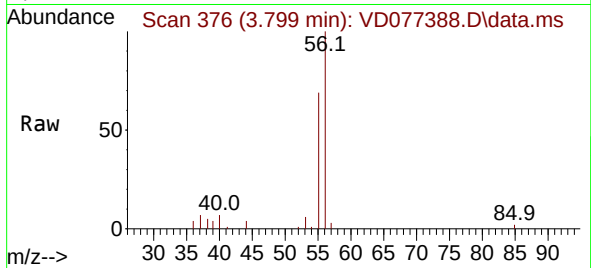
Tgt Ion: 96 Resp: 113300
Ion Ratio Lower Upper
96 100
61 126.0 100.6 150.8
98 63.0 50.2 75.2





#13
Acrolein
Concen: 238.190 ug/l
RT: 3.799 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

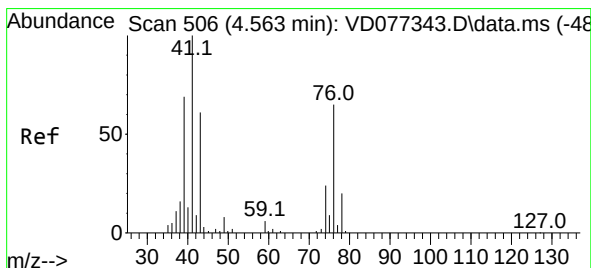
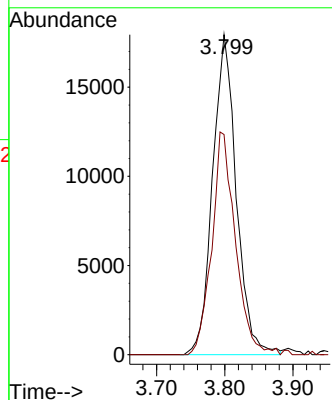
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



Tgt Ion: 56 Resp: 43449
Ion Ratio Lower Upper
56 100
55 69.3 55.1 82.7

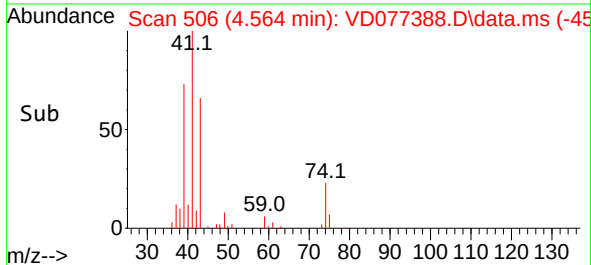
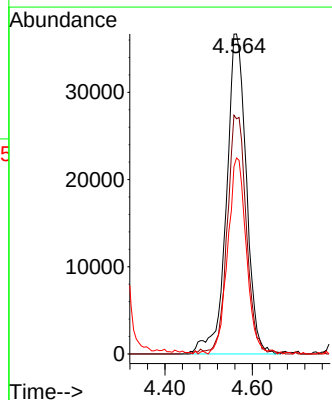
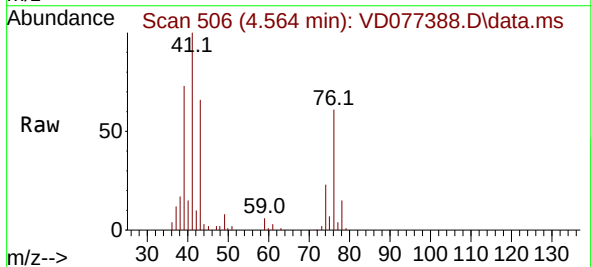
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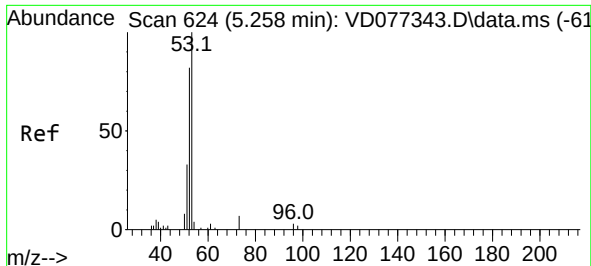
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#14
Allyl chloride
Concen: 50.748 ug/l
RT: 4.564 min Scan# 506
Delta R.T. 0.001 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

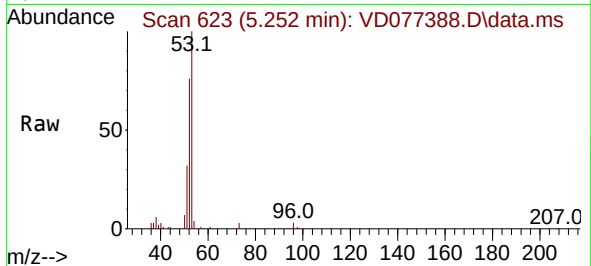
Tgt Ion: 41 Resp: 115979
Ion Ratio Lower Upper
41 100
39 68.9 53.8 80.6
76 56.9 45.8 68.8





#15
Acrylonitrile
Concen: 286.003 ug/l
RT: 5.252 min Scan# 61
Delta R.T. -0.006 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

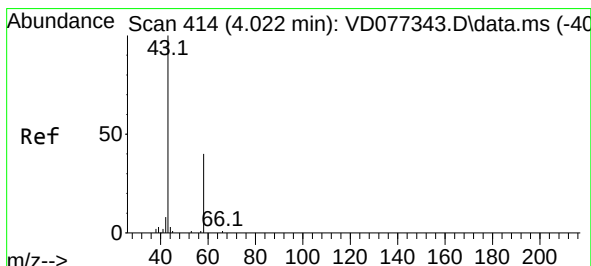
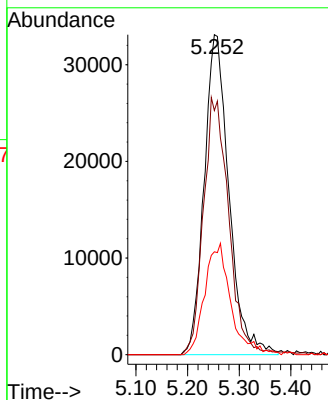
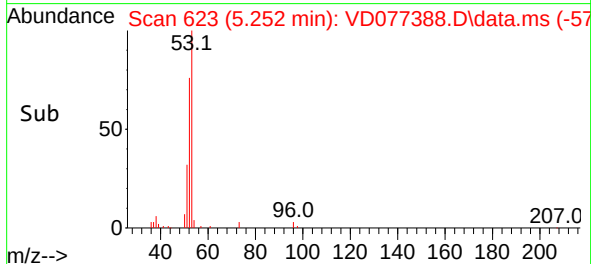
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



Tgt Ion: 53 Resp: 110245
Ion Ratio Lower Upper
53 100
52 82.2 65.0 97.4
51 36.5 28.3 42.5

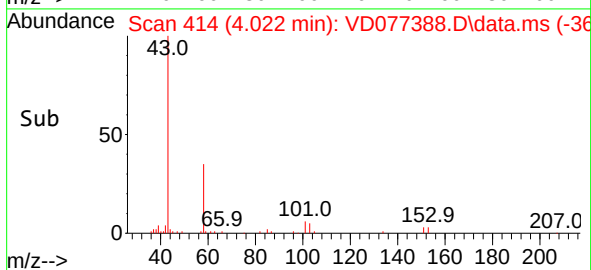
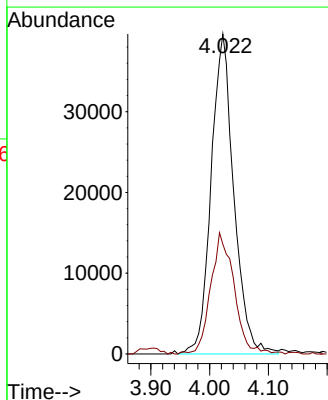
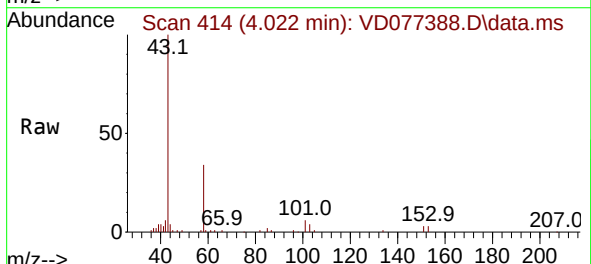
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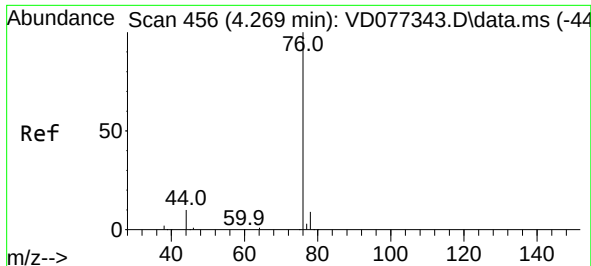
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#16
Acetone
Concen: 259.196 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Tgt Ion: 43 Resp: 106175
Ion Ratio Lower Upper
43 100
58 34.3 34.7 52.1#





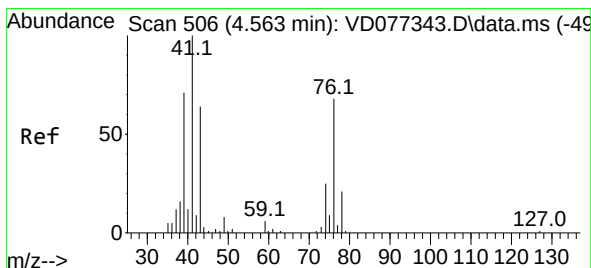
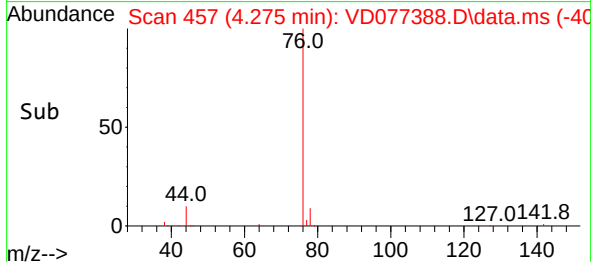
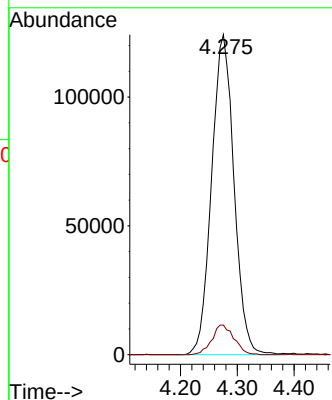
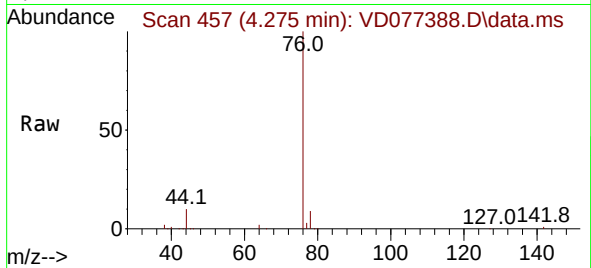
#17
Carbon Disulfide
Concen: 47.940 ug/l
RT: 4.275 min Scan# 456
Delta R.T. 0.006 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 339449
Ion Ratio Lower Upper
76 100
78 9.3 6.8 10.2

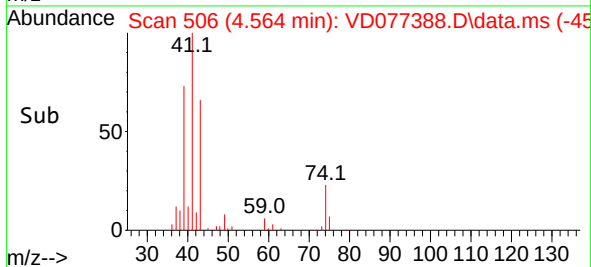
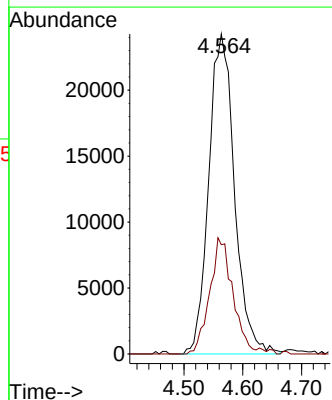
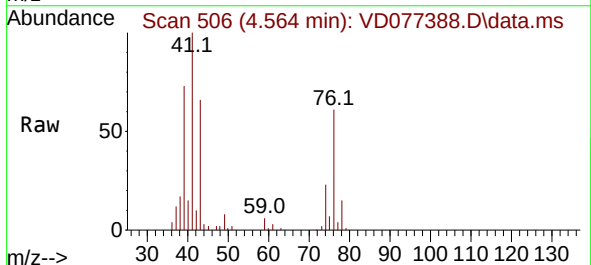
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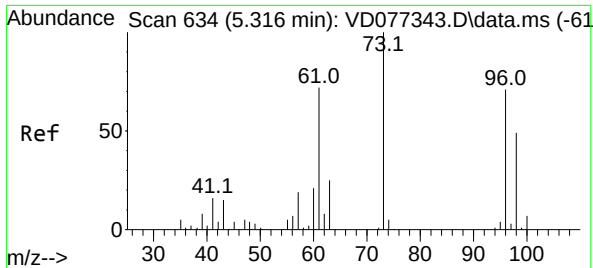
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#18
Methyl Acetate
Concen: 51.820 ug/l
RT: 4.564 min Scan# 506
Delta R.T. 0.001 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Tgt Ion: 43 Resp: 73877
Ion Ratio Lower Upper
43 100
74 33.2 26.4 39.6





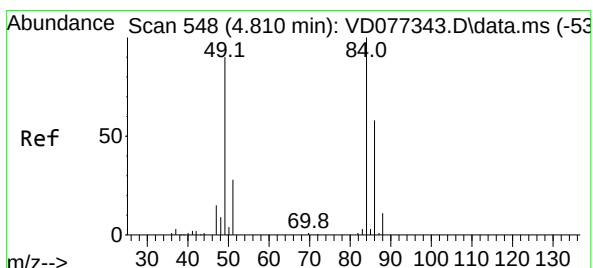
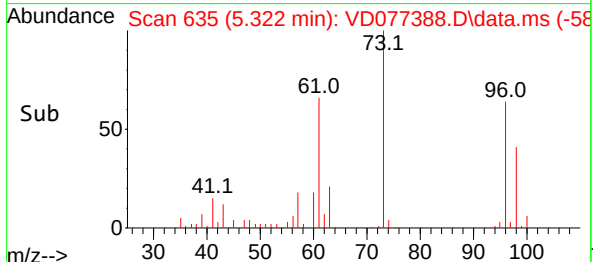
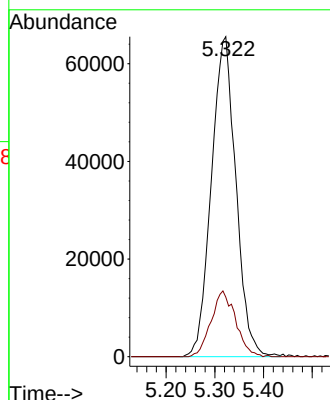
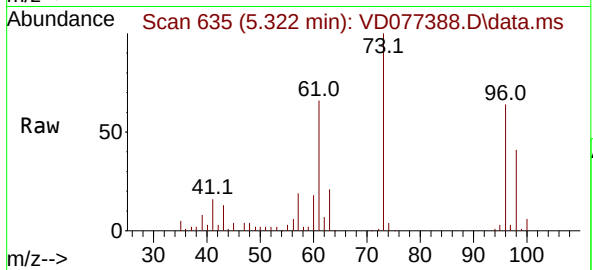
#19
Methyl tert-butyl Ether
Concen: 55.863 ug/l
RT: 5.322 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 22918
Ion Ratio Lower Upper
73 100
57 18.6 16.6 25.0

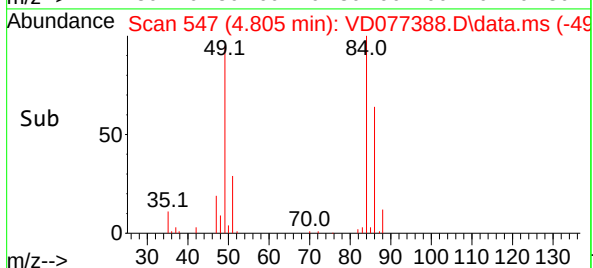
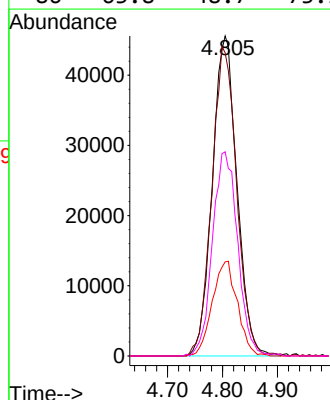
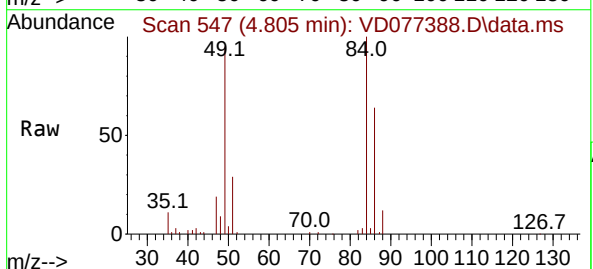
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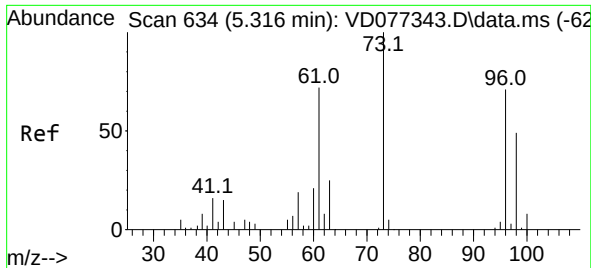
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#20
Methylene Chloride
Concen: 58.060 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.005 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

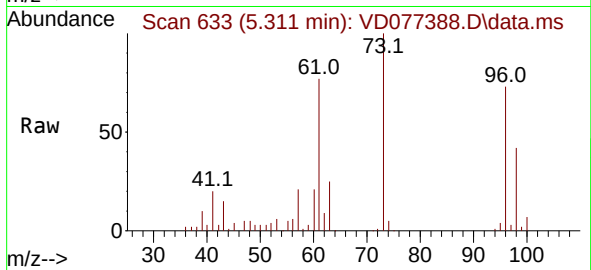
Tgt Ion: 84 Resp: 142037
Ion Ratio Lower Upper
84 100
49 94.8 71.4 107.2
51 29.4 24.5 36.7
86 63.8 48.7 73.1





#21
trans-1,2-Dichloroethene
Concen: 54.558 ug/l
RT: 5.311 min Scan# 611
Delta R.T. -0.005 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

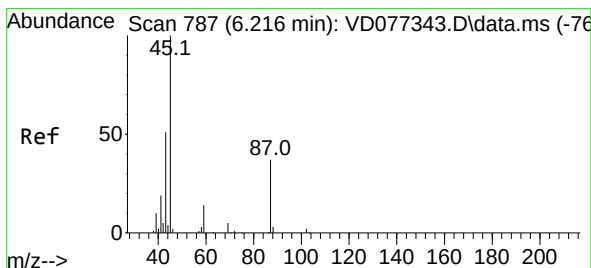
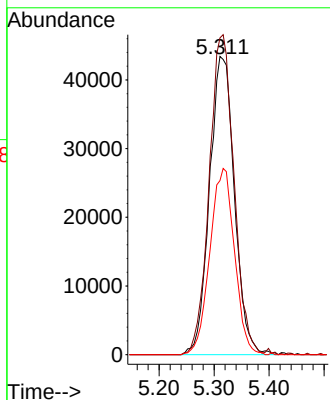
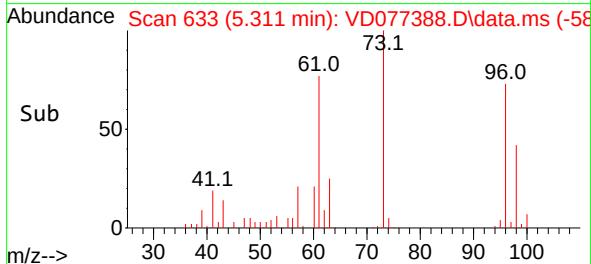
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



Tgt Ion: 96 Resp: 13668
Ion Ratio Lower Upper
96 100
61 106.2 89.3 133.9
98 58.3 48.6 73.0

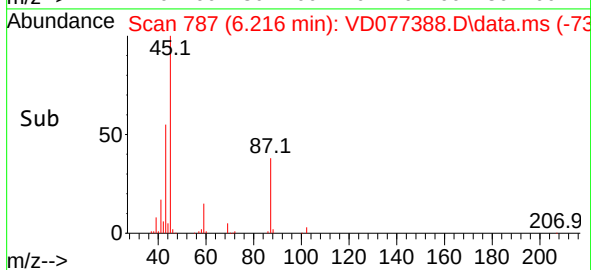
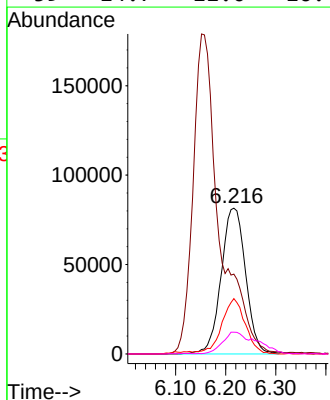
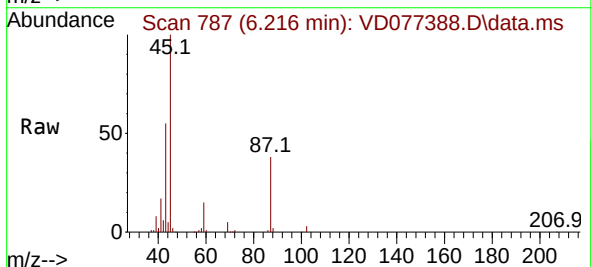
Manual Integrations
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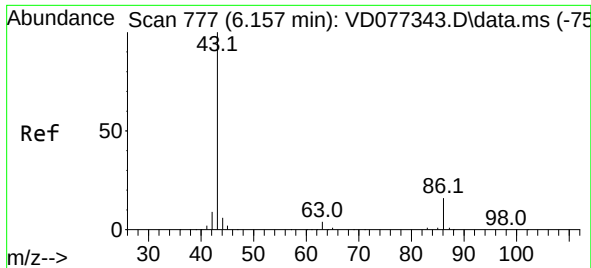
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#22
Diisopropyl ether
Concen: 61.712 ug/l
RT: 6.216 min Scan# 787
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Tgt Ion: 45 Resp: 276858
Ion Ratio Lower Upper
45 100
43 53.3 40.0 60.0
87 38.0 28.2 42.4
59 14.7 11.0 16.4





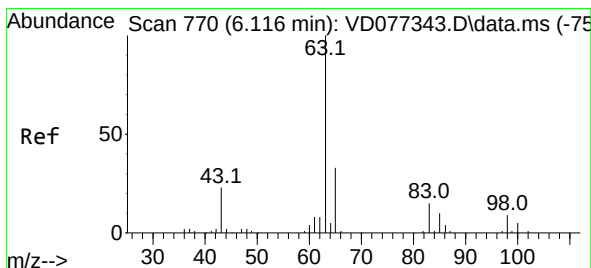
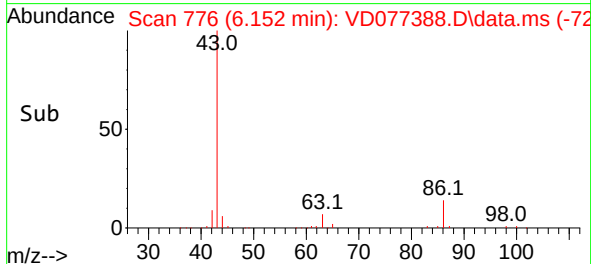
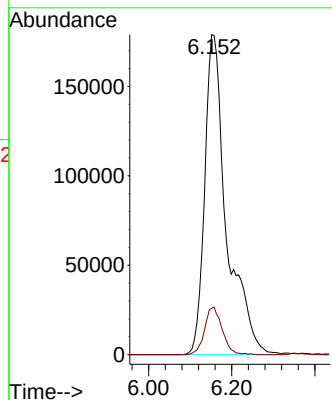
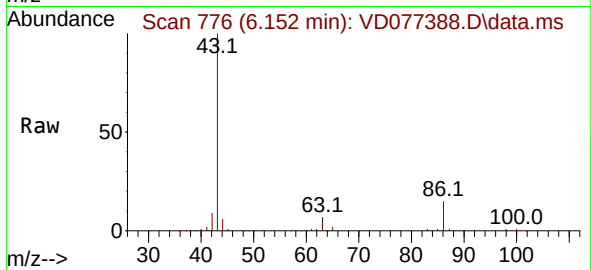
#23
 Vinyl Acetate
 Concen: 311.691 ug/l
 RT: 6.152 min Scan# 71
 Delta R.T. -0.005 min
 Lab File: VD077388.D
 Acq: 24 Oct 2023 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 65531
 Ion Ratio Lower Upper
 43 100
 86 14.5 12.5 18.7

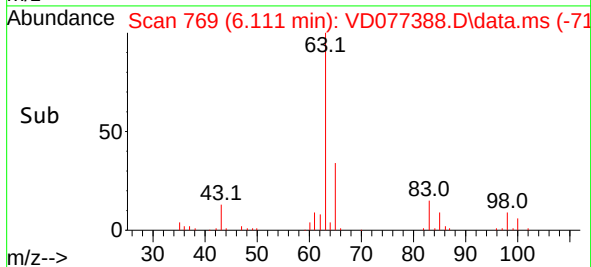
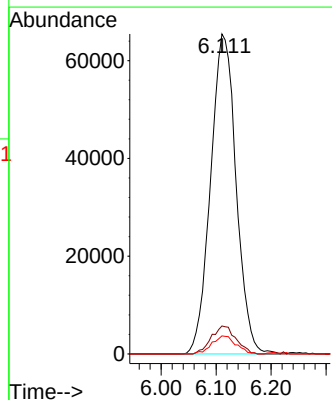
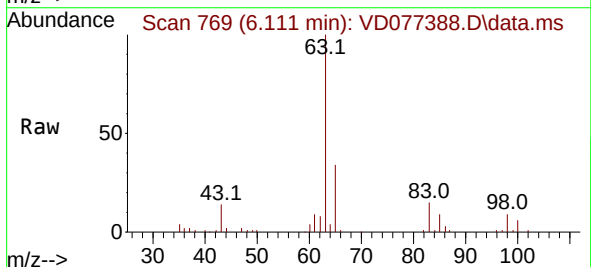
Manual Integrations
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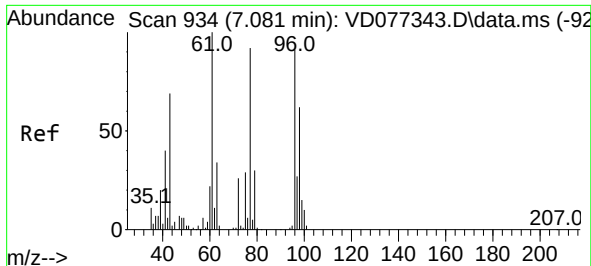
Reviewed By :John Carlone 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#24
 1,1-Dichloroethane
 Concen: 56.568 ug/l
 RT: 6.111 min Scan# 769
 Delta R.T. -0.005 min
 Lab File: VD077388.D
 Acq: 24 Oct 2023 11:18

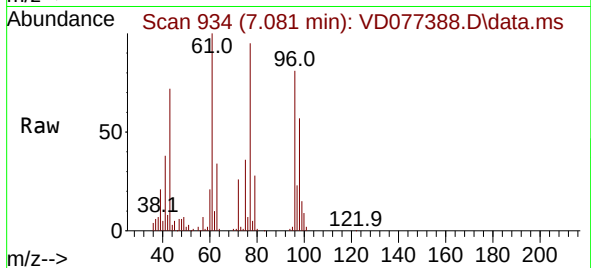
Tgt Ion: 63 Resp: 211004
 Ion Ratio Lower Upper
 63 100
 98 8.7 4.5 13.7
 100 5.7 2.5 7.5





#25
2-Butanone
Concen: 291.967 ug/l
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

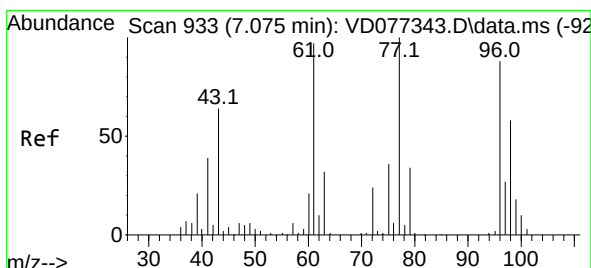
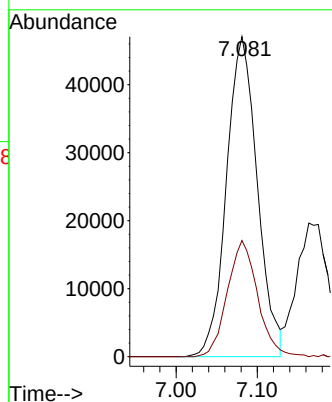
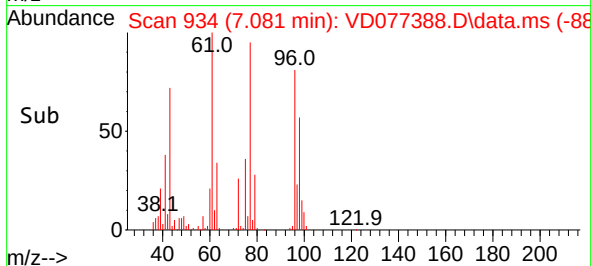
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



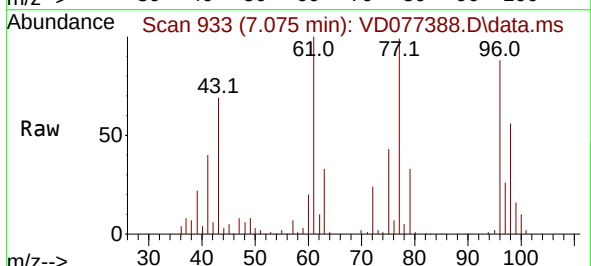
Tgt Ion: 43 Resp: 124064
Ion Ratio Lower Upper
43 100
72 36.3 30.7 46.1

Manual Integrations
APPROVED

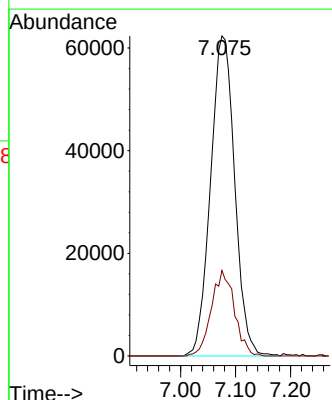
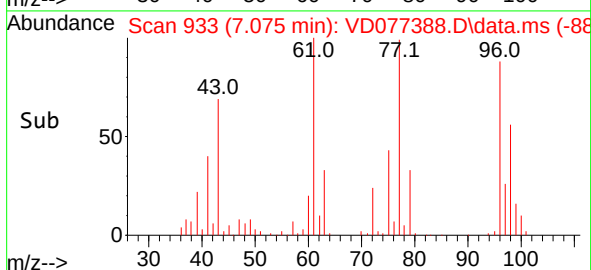
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

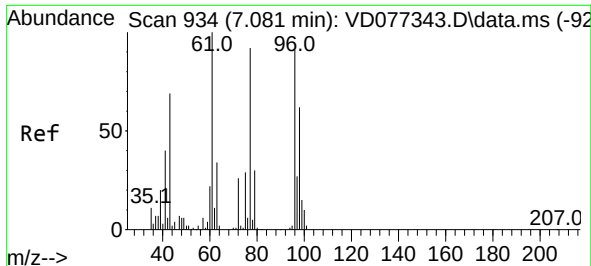


#26
2,2-Dichloropropane
Concen: 55.955 ug/l
RT: 7.075 min Scan# 933
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18



Tgt Ion: 77 Resp: 190309
Ion Ratio Lower Upper
77 100
97 25.4 13.2 39.6





#27

cis-1,2-Dichloroethene

Concen: 53.506 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD077388.D

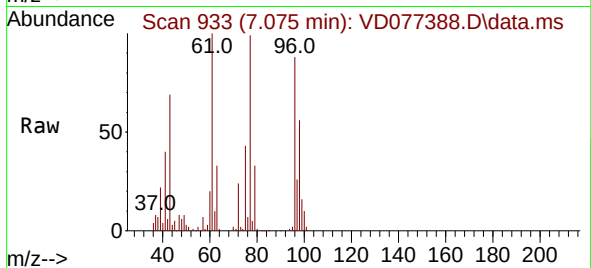
Acq: 24 Oct 2023 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050



Tgt Ion: 96 Resp: 150300

Ion Ratio Lower Upper

96 100

61 118.2 0.0 239.2

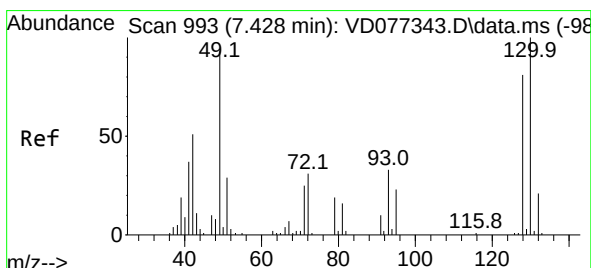
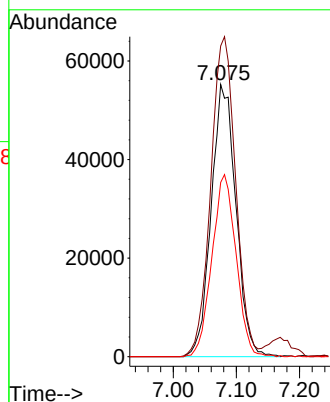
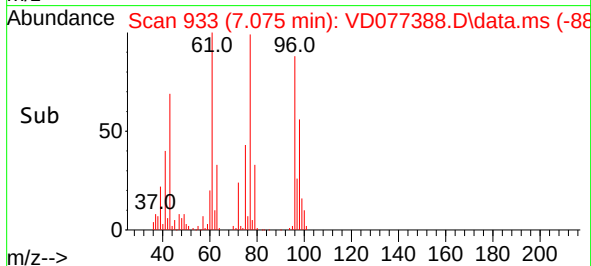
98 65.3 0.0 128.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#28

Bromochloromethane

Concen: 51.116 ug/l

RT: 7.428 min Scan# 993

Delta R.T. 0.000 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

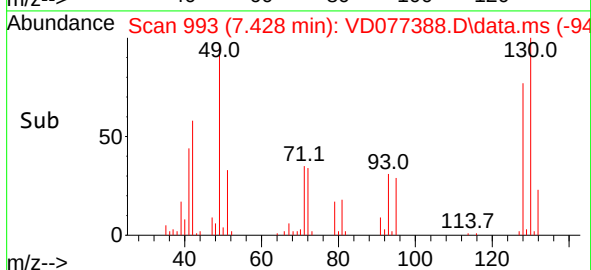
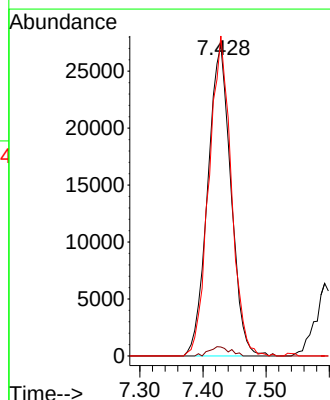
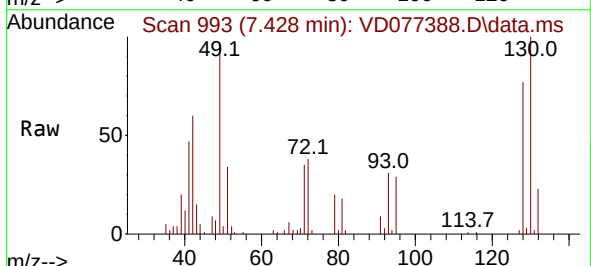
Tgt Ion: 49 Resp: 69649

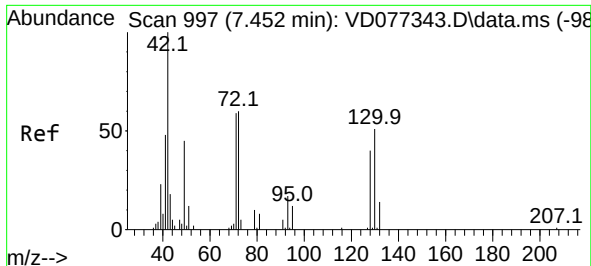
Ion Ratio Lower Upper

49 100

129 2.7 0.0 6.0

130 99.0 83.2 124.8





#29

Tetrahydrofuran

Concen: 292.712 ug/l

RT: 7.452 min Scan# 997

Delta R.T. -0.000 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

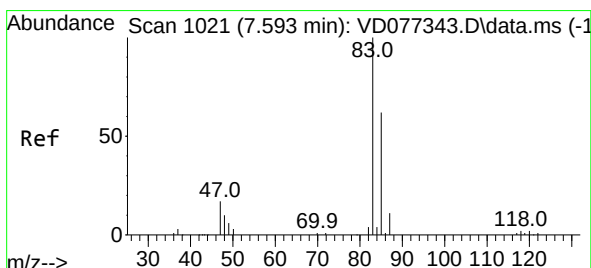
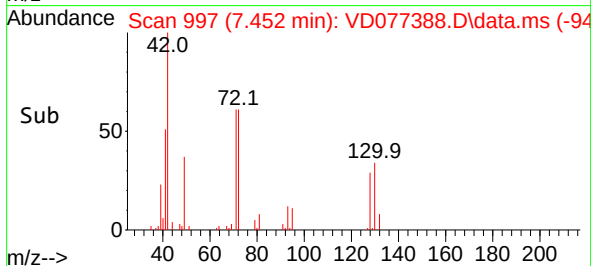
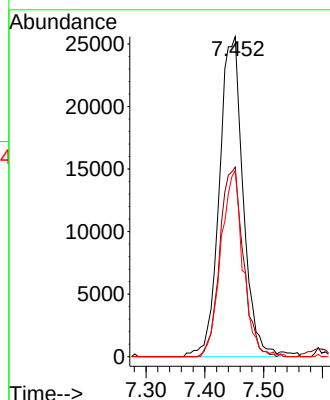
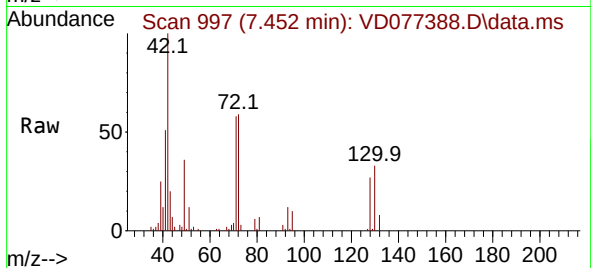
Tgt Ion:	42	Resp:	71749
Ion Ratio	Lower	Upper	
42	100		
72	58.6	46.5	69.7
71	54.4	44.5	66.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#30

Chloroform

Concen: 54.406 ug/l

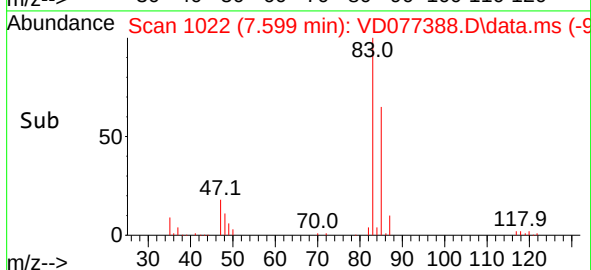
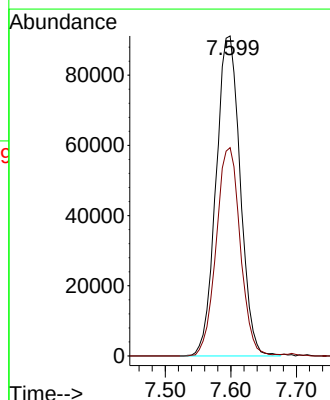
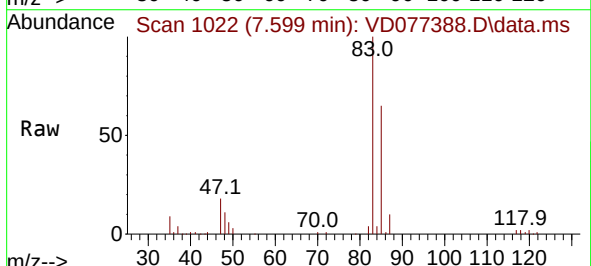
RT: 7.599 min Scan# 1022

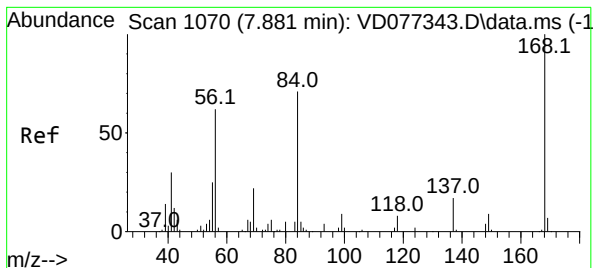
Delta R.T. 0.006 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

Tgt Ion:	83	Resp:	232843
Ion Ratio	Lower	Upper	
83	100		
85	65.1	53.4	80.2





#31

Cyclohexane

Concen: 56.148 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 163180

Ion Ratio Lower Upper

56 100

69 34.0 28.6 43.0

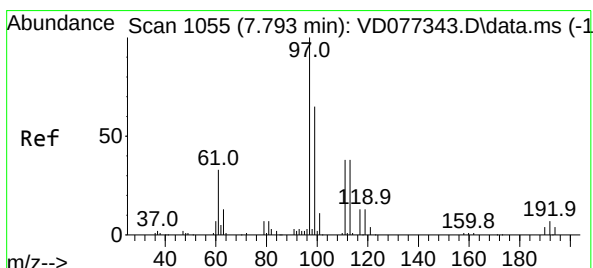
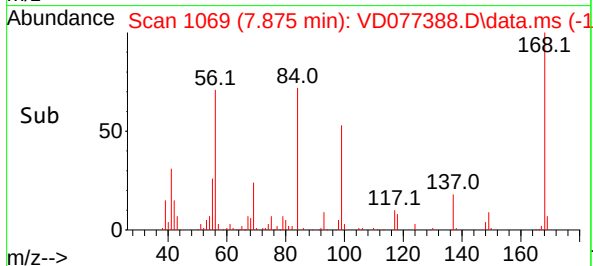
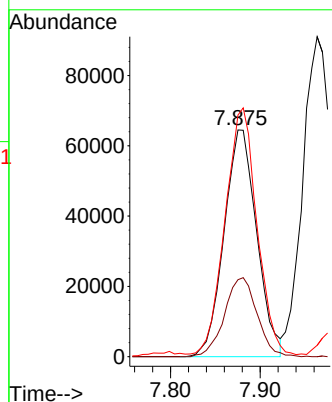
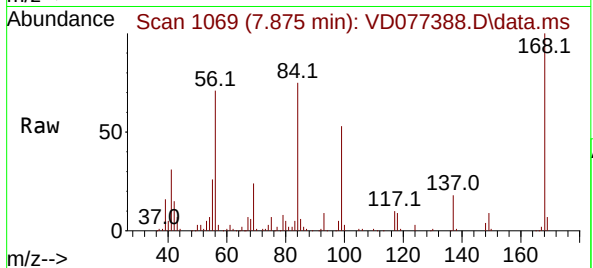
84 105.1 84.8 127.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#32

1,1,1-Trichloroethane

Concen: 54.346 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

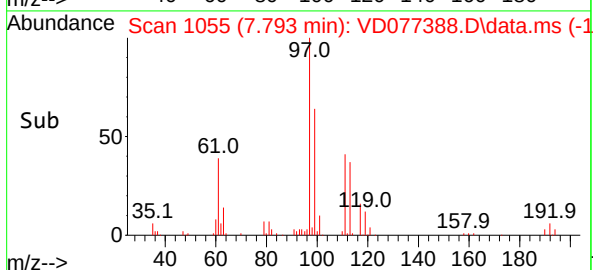
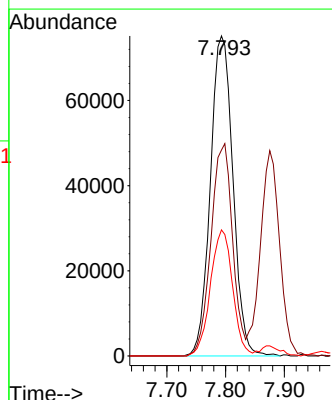
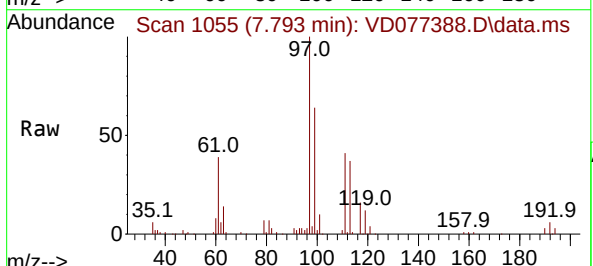
Tgt Ion: 97 Resp: 200653

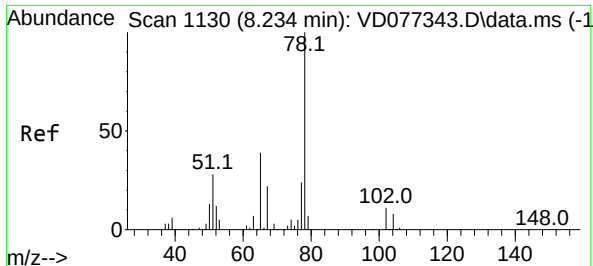
Ion Ratio Lower Upper

97 100

99 63.7 52.0 78.0

61 38.6 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 40.612 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 7586

Ion Ratio Lower Upper

65 100

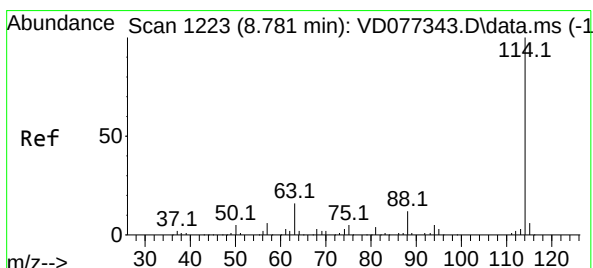
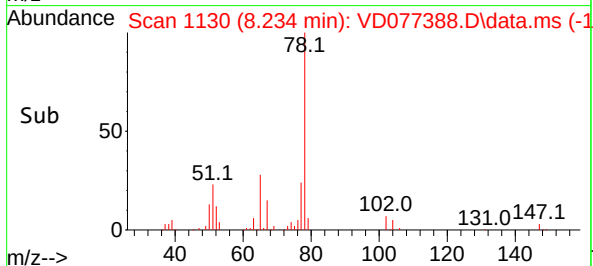
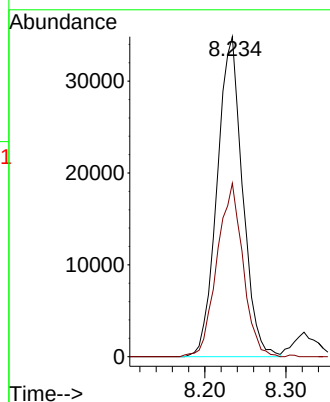
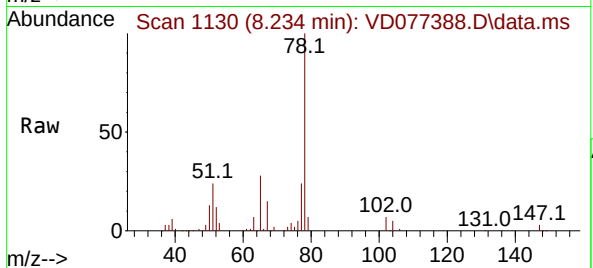
67 55.2 0.0 115.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

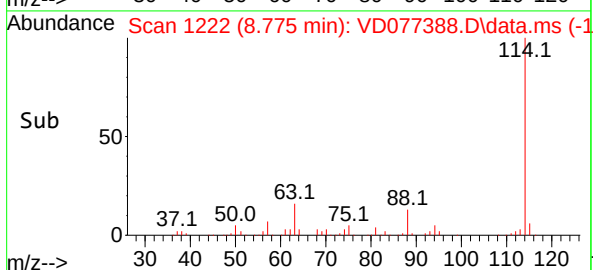
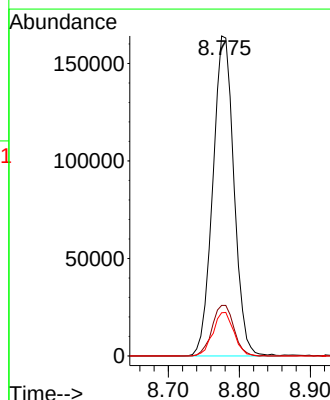
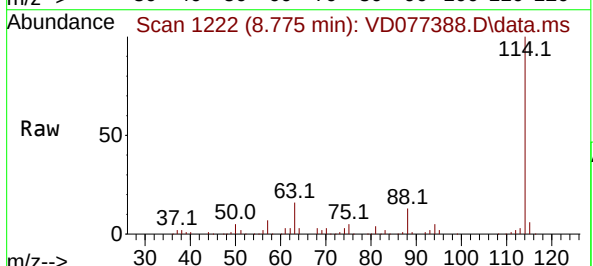
Tgt Ion:114 Resp: 338491

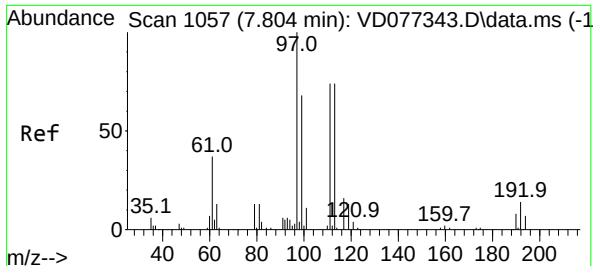
Ion Ratio Lower Upper

114 100

63 15.8 0.0 33.4

88 13.5 0.0 26.2





#35

Dibromofluoromethane

Concen: 39.733 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 113 Resp: 9448

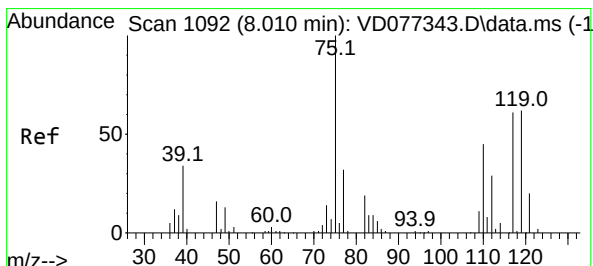
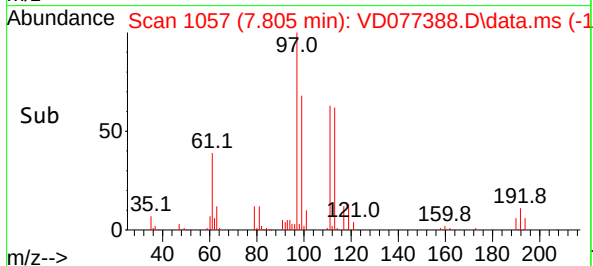
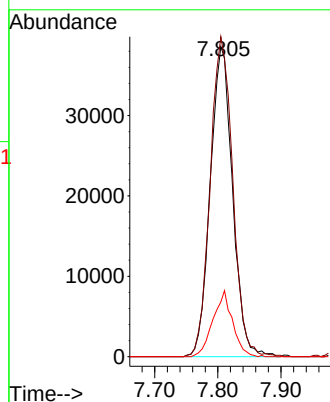
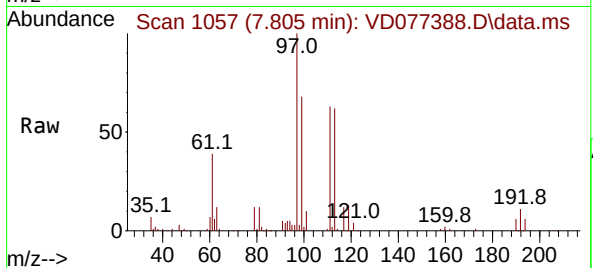
Ion	Ratio	Lower	Upper
113	100		
111	104.3	84.7	127.1
192	18.8	16.8	25.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#36

1,1-Dichloropropene

Concen: 55.297 ug/l

RT: 8.010 min Scan# 1092

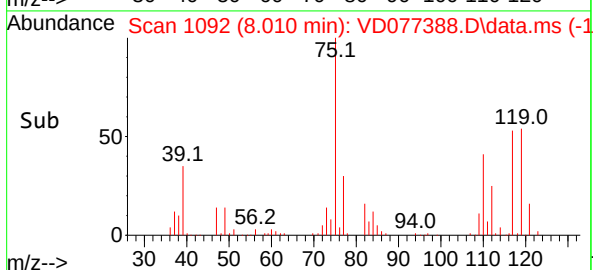
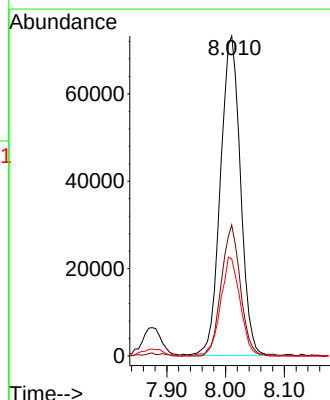
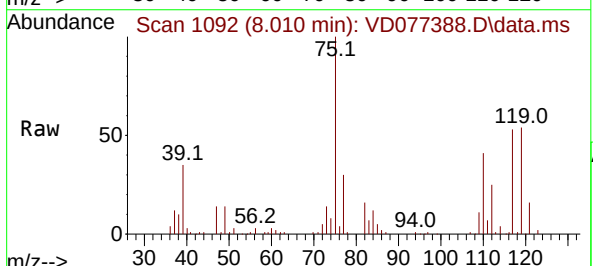
Delta R.T. 0.000 min

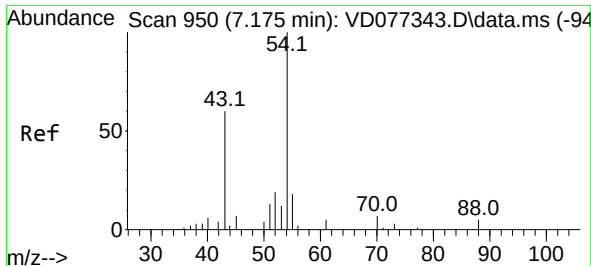
Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

Tgt Ion: 75 Resp: 172786

Ion	Ratio	Lower	Upper
75	100		
110	39.0	19.9	59.6
77	30.3	24.7	37.1





#37

Ethyl Acetate

Concen: 57.154 ug/l

RT: 7.163 min Scan# 948

Delta R.T. -0.012 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 56098

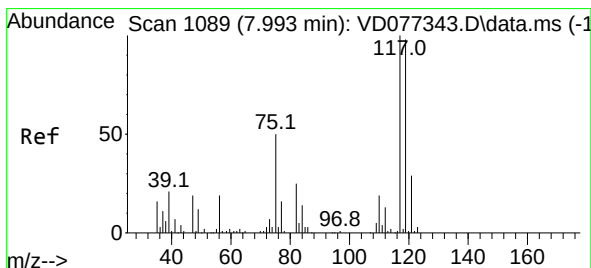
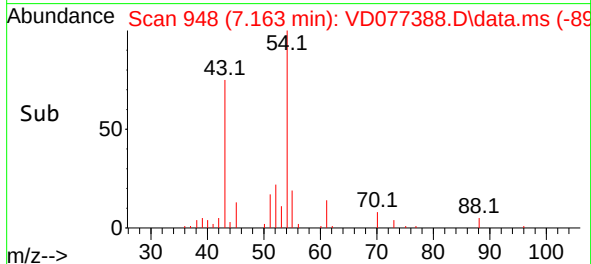
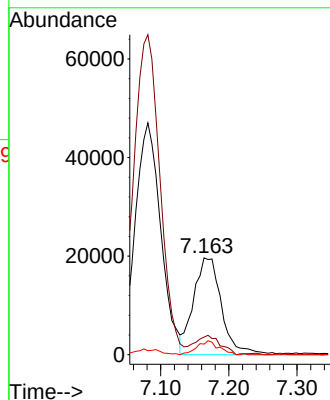
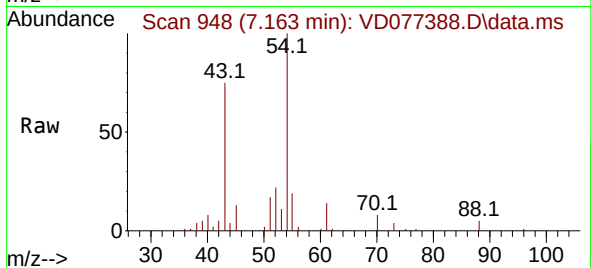
Ion	Ratio	Lower	Upper
43	100		
61	16.3	14.9	22.3
70	11.0	10.0	15.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#38

Carbon Tetrachloride

Concen: 52.942 ug/l

RT: 7.993 min Scan# 1089

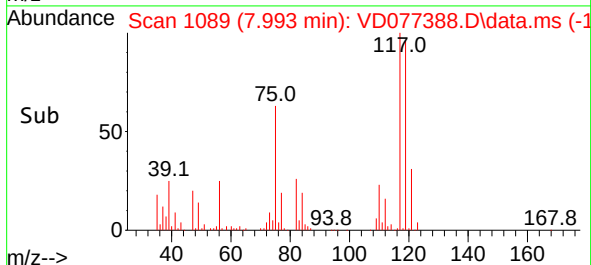
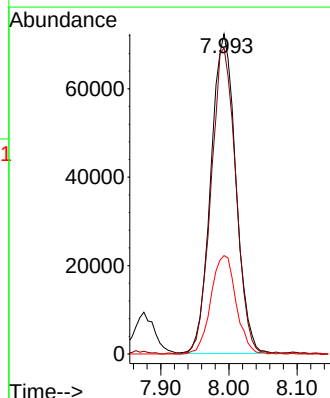
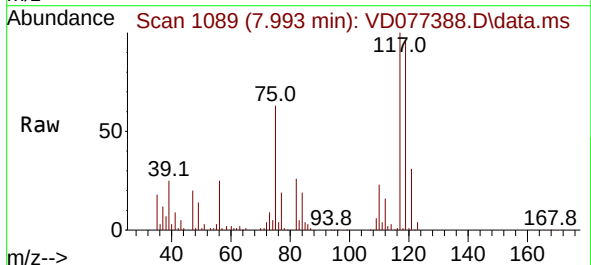
Delta R.T. -0.000 min

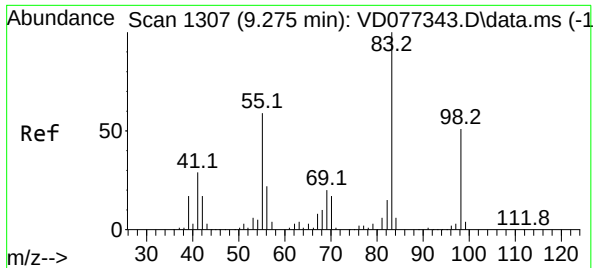
Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

Tgt Ion:117 Resp: 184027

Ion	Ratio	Lower	Upper
117	100		
119	95.9	78.0	117.0
121	30.8	24.2	36.2





#39

Methylcyclohexane

Concen: 53.796 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.000 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 20425

Ion Ratio Lower Upper

83 100

55 58.9 49.4 74.0

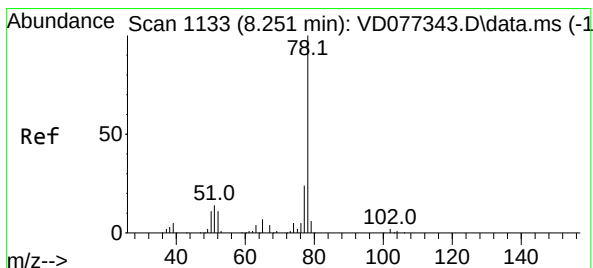
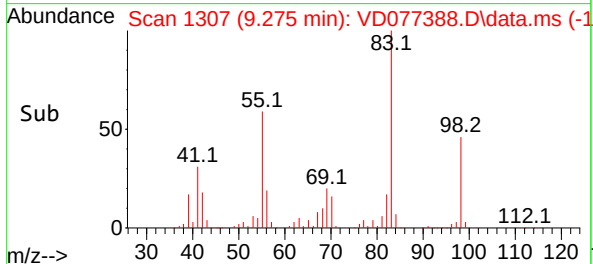
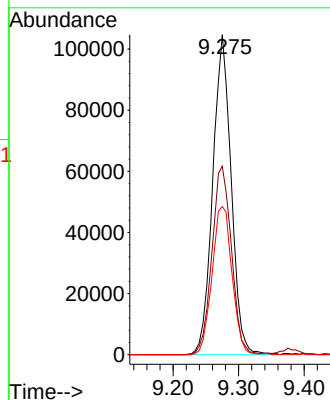
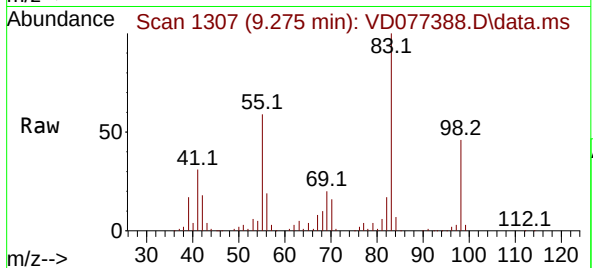
98 46.3 38.4 57.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#40

Benzene

Concen: 54.673 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. 0.001 min

Lab File: VD077388.D

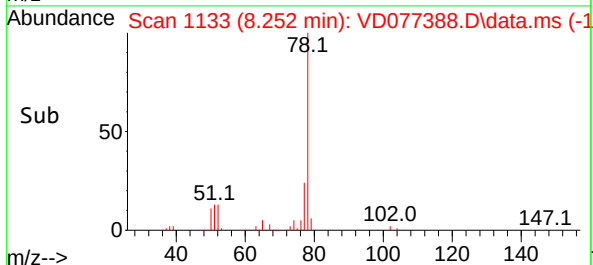
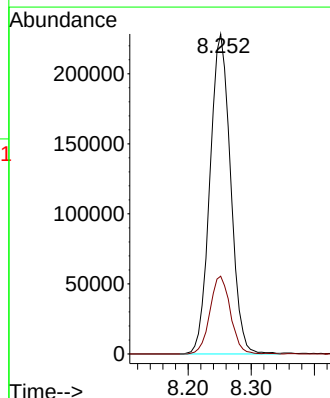
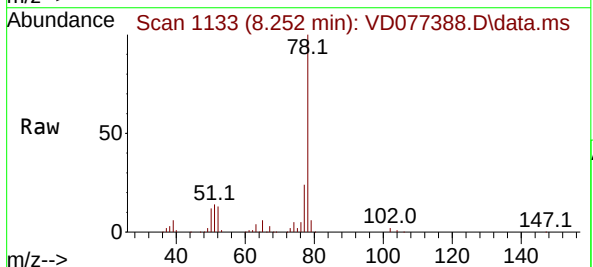
Acq: 24 Oct 2023 11:18

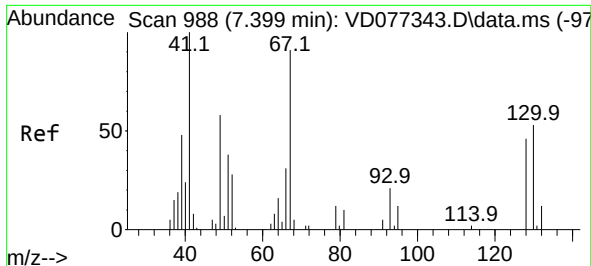
Tgt Ion: 78 Resp: 518434

Ion Ratio Lower Upper

78 100

77 24.3 19.4 29.0





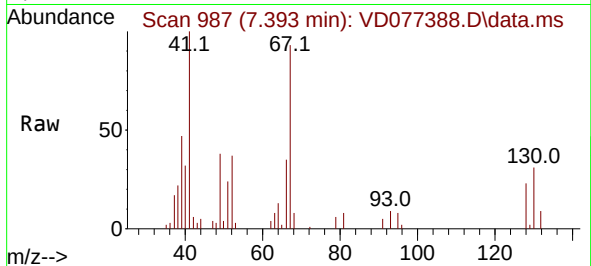
#41
Methacrylonitrile
Concen: 44.929 ug/l
RT: 7.393 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050



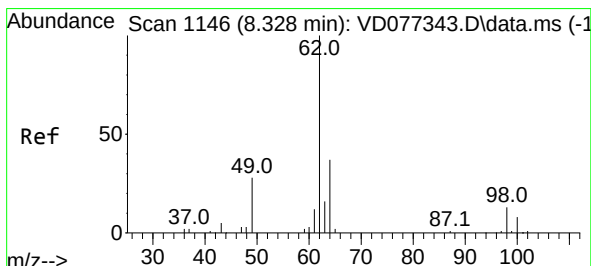
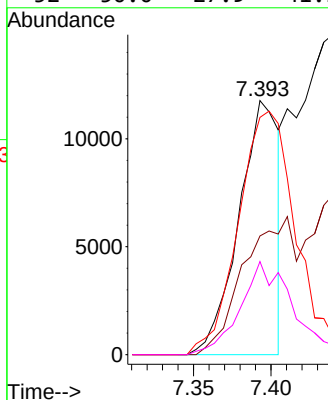
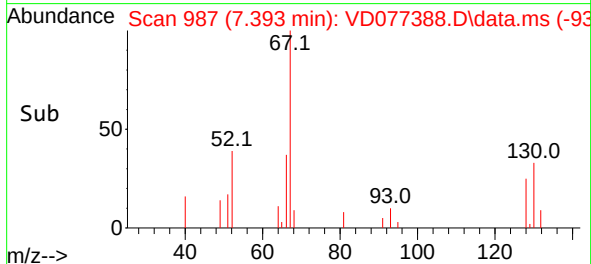
Tgt Ion: 41 Resp: 21040
Ion Ratio Lower Upper
41 100
39 69.2 34.0 51.0
67 139.0 77.0 115.4
52 50.0 27.9 41.9

Manual Integrations

APPROVED

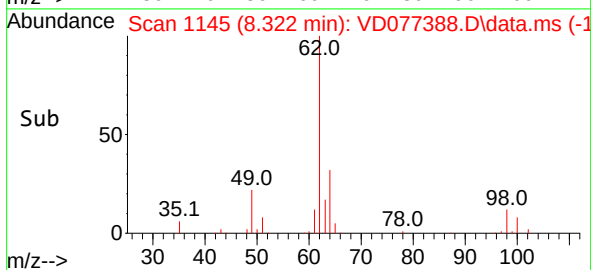
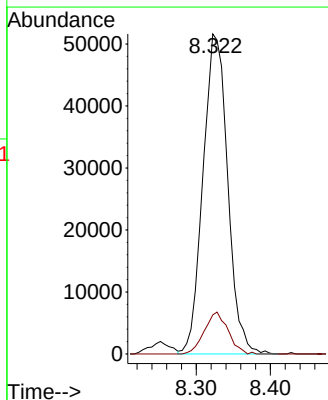
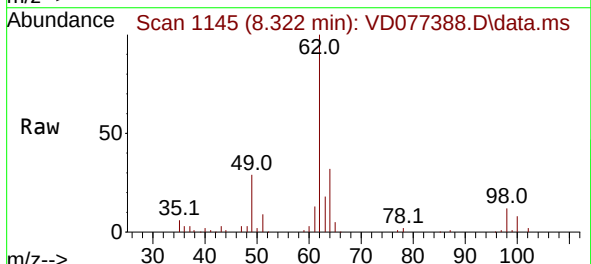
Reviewed By :John Carlone 10/25/2023

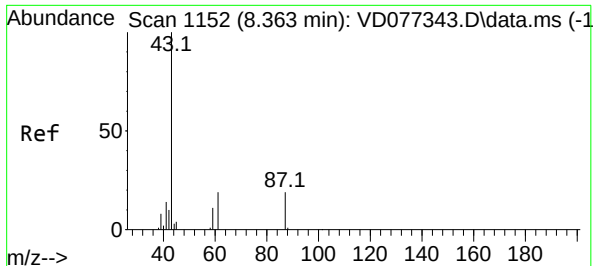
Supervised By :Mahesh Dadoda 10/25/2023



#42
1,2-Dichloroethane
Concen: 53.513 ug/l
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Tgt Ion: 62 Resp: 119524
Ion Ratio Lower Upper
62 100
98 12.5 0.0 25.4





#43

Isopropyl Acetate

Concen: 56.251 ug/l

RT: 8.357 min Scan# 1151

Delta R.T. -0.006 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 99390

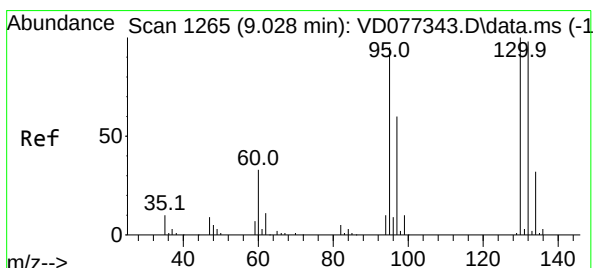
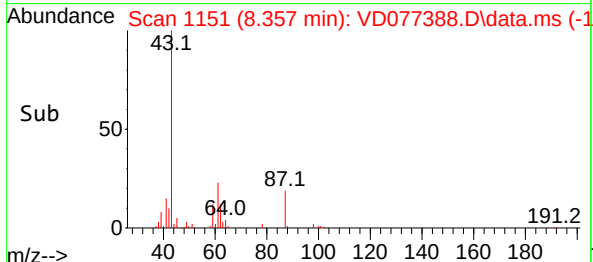
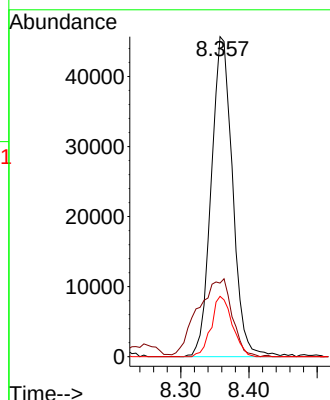
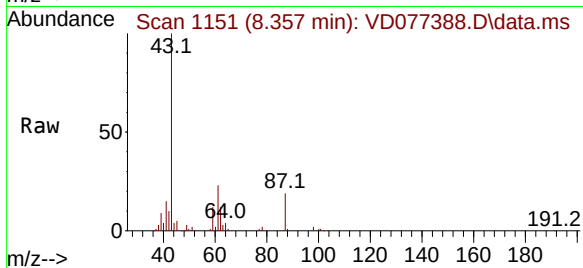
Ion	Ratio	Lower	Upper
43	100		
61	38.9	31.4	47.0
87	18.7	14.9	22.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#44

Trichloroethene

Concen: 50.426 ug/l

RT: 9.028 min Scan# 1265

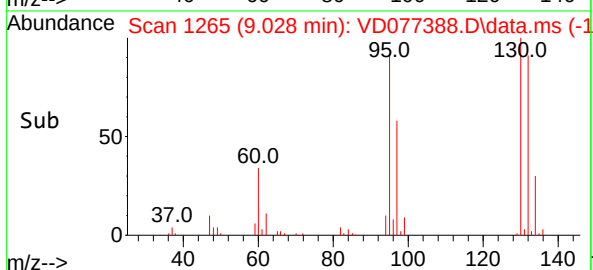
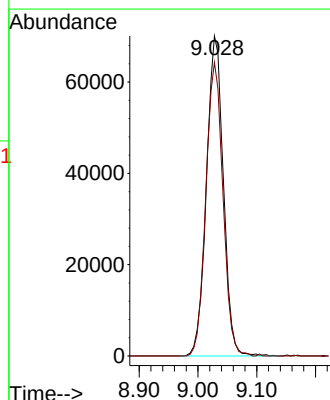
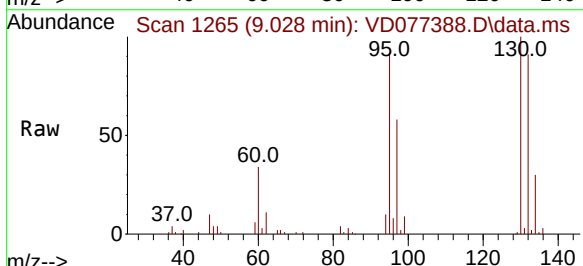
Delta R.T. 0.000 min

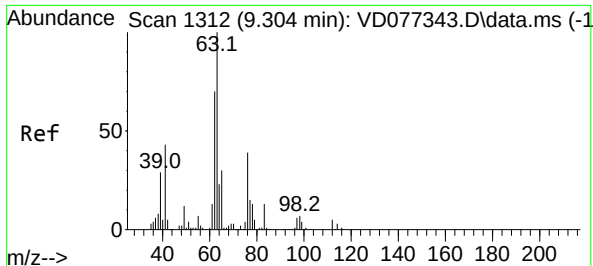
Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

Tgt Ion:130 Resp: 139801

Ion	Ratio	Lower	Upper
130	100		
95	91.7	0.0	179.2





#45

1,2-Dichloropropane

Concen: 55.869 ug/l

RT: 9.310 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 12212

Ion Ratio Lower Upper

63 100

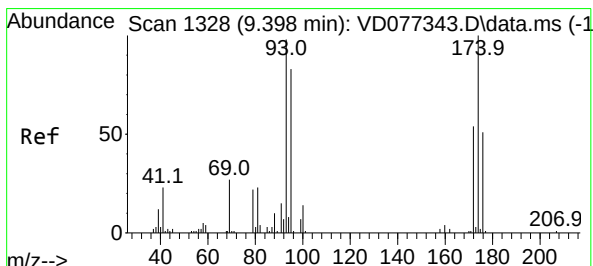
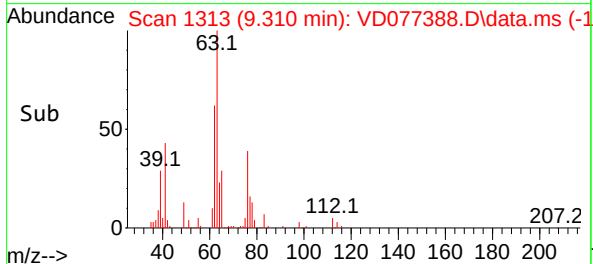
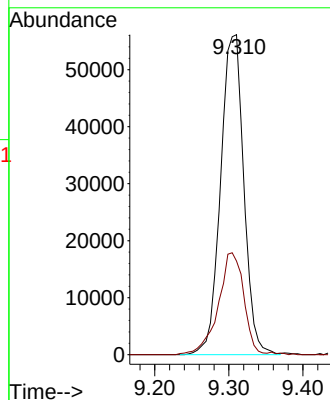
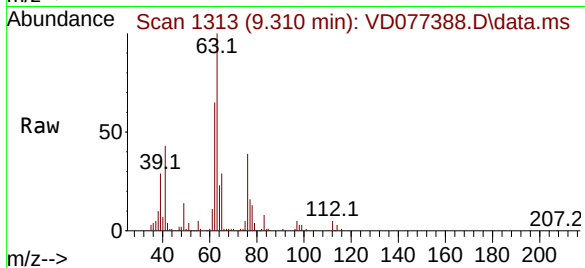
65 28.9 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#46

Dibromomethane

Concen: 51.821 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. -0.005 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

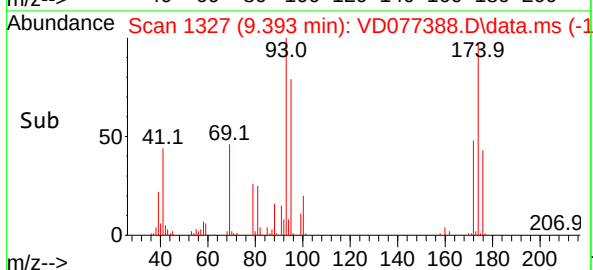
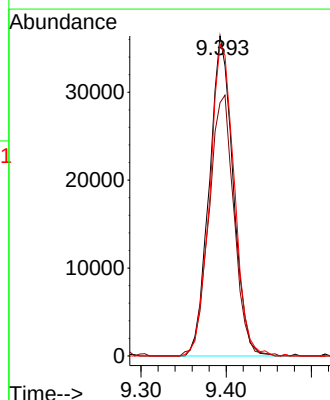
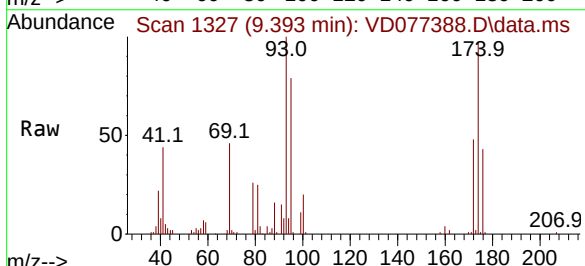
Tgt Ion: 93 Resp: 70816

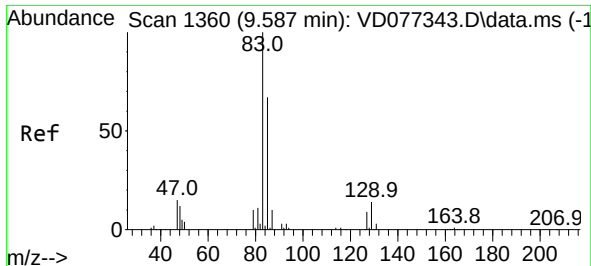
Ion Ratio Lower Upper

93 100

95 85.8 67.7 101.5

174 100.0 85.4 128.2





#47

Bromodichloromethane

Concen: 53.696 ug/l

RT: 9.581 min Scan# 1359

Delta R.T. -0.006 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

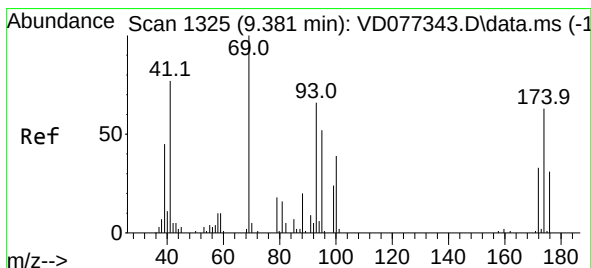
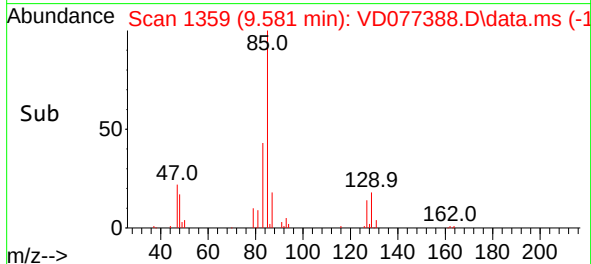
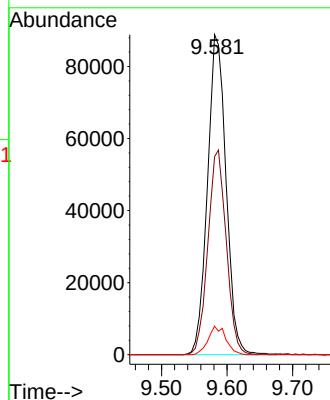
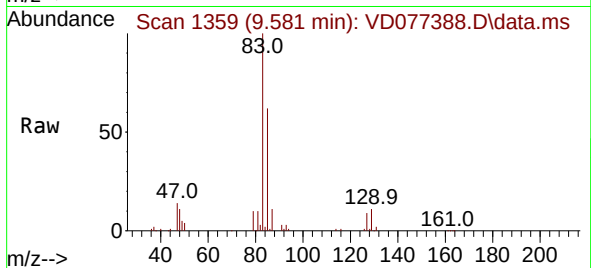
Tgt Ion:	83	Resp:	17497
Ion	Ratio	Lower	Upper
83	100		
85	61.9	50.2	75.4
127	8.9	6.3	9.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#48

Methyl methacrylate

Concen: 58.292 ug/l

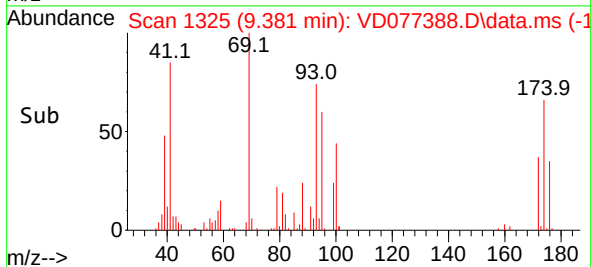
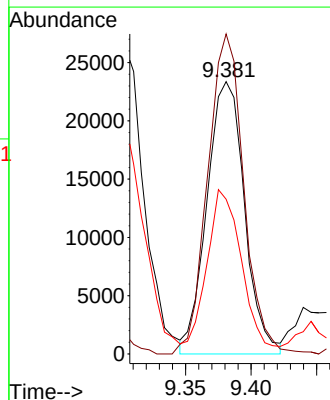
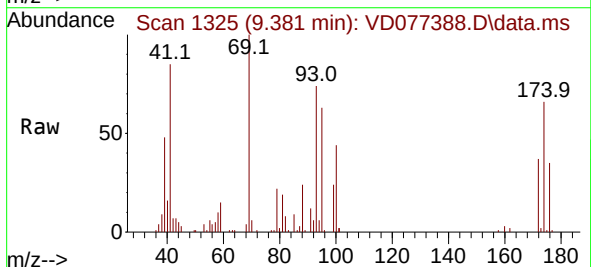
RT: 9.381 min Scan# 1325

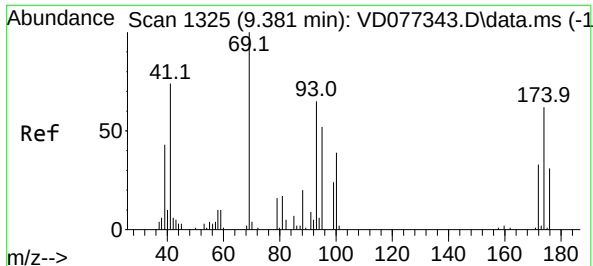
Delta R.T. -0.000 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

Tgt Ion:	41	Resp:	46596
Ion	Ratio	Lower	Upper
41	100		
69	112.6	102.2	153.2
39	56.8	41.4	62.2





#49

1,4-Dioxane

Concen: 1050.929 ug/l

RT: 9.381 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

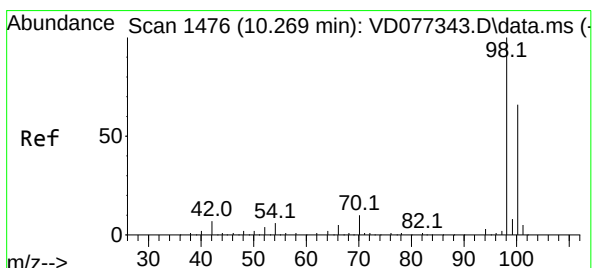
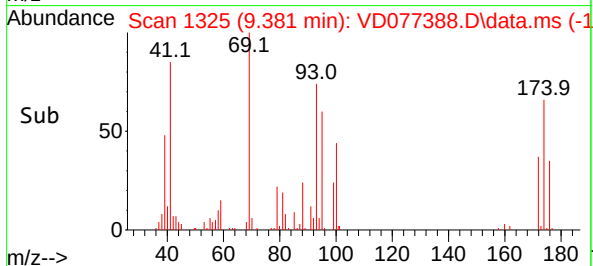
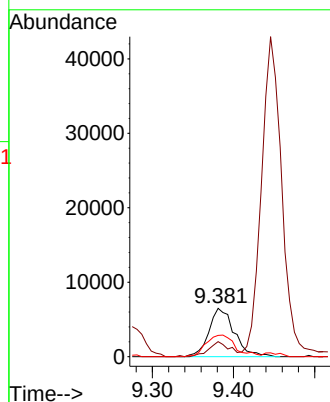
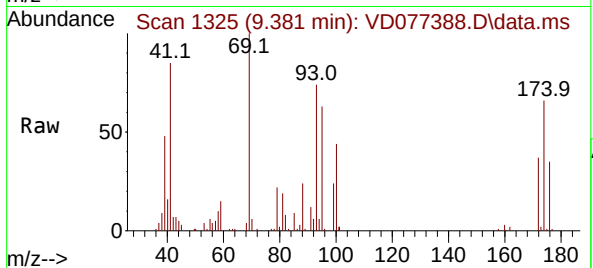
Tgt Ion: 88 Resp: 14134
 Ion Ratio Lower Upper
 88 100
 43 25.1 19.0 28.6
 58 51.5 43.5 65.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#50

Toluene-d8

Concen: 40.679 ug/l

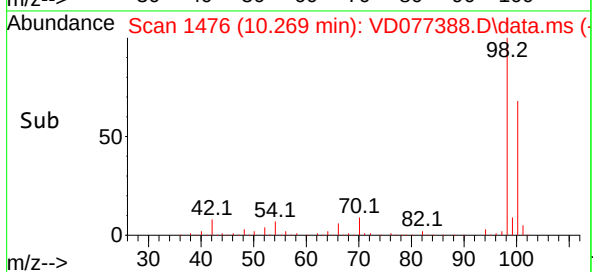
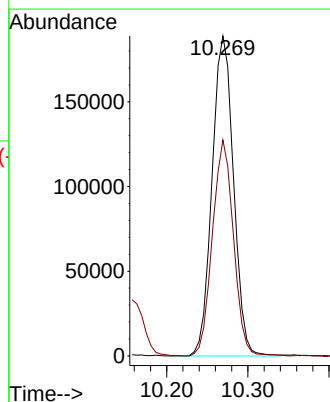
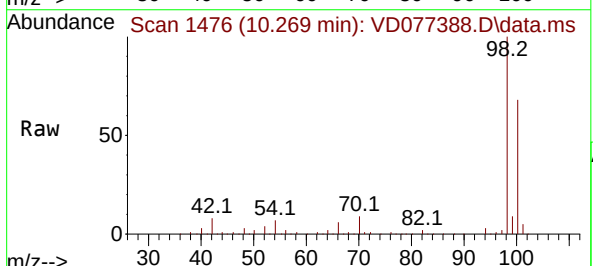
RT: 10.269 min Scan# 1476

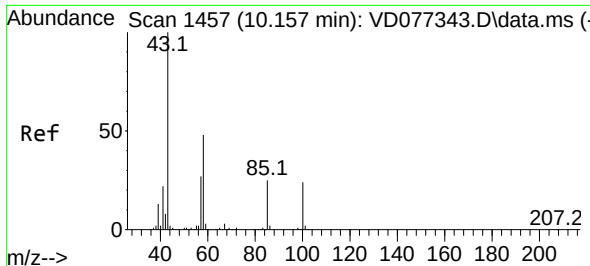
Delta R.T. 0.000 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

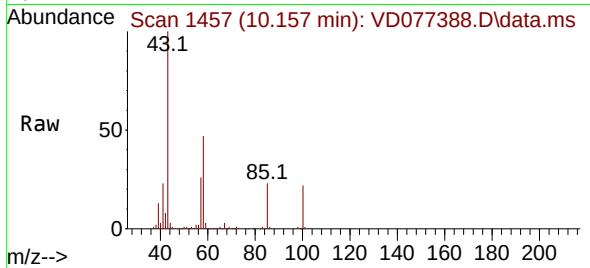
Tgt Ion: 98 Resp: 346447
 Ion Ratio Lower Upper
 98 100
 100 66.3 50.3 75.5





#51
4-Methyl-2-Pentanone
Concen: 299.201 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

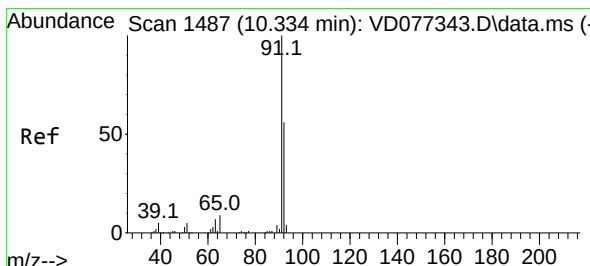
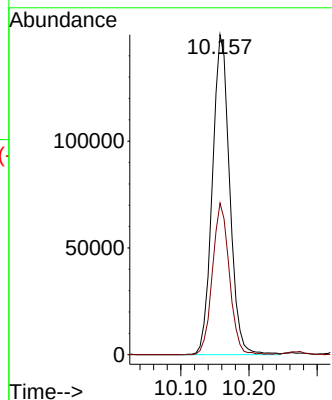
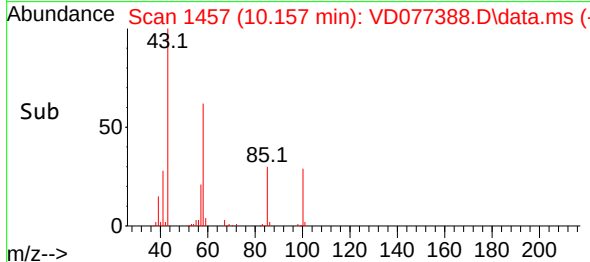
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



Tgt Ion: 43 Resp: 26502
Ion Ratio Lower Upper
43 100
58 46.3 38.9 58.3

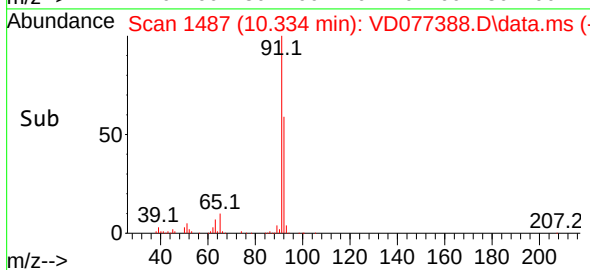
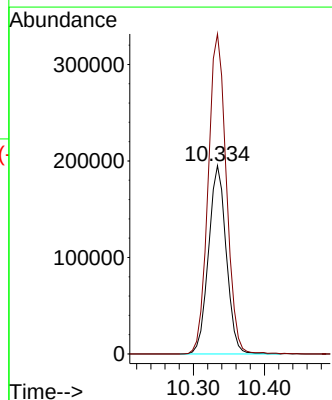
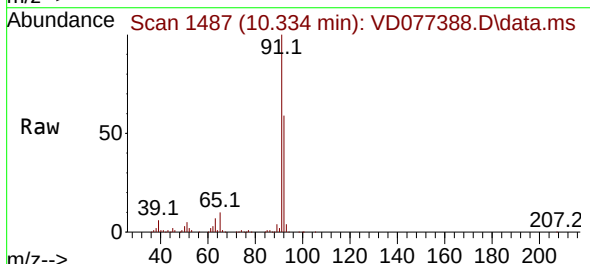
Manual Integrations
APPROVED

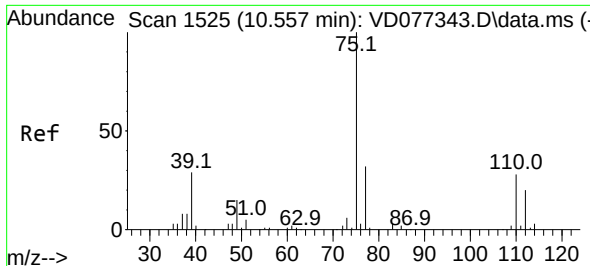
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#52
Toluene
Concen: 54.638 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Tgt Ion: 92 Resp: 338281
Ion Ratio Lower Upper
92 100
91 174.3 143.0 214.4





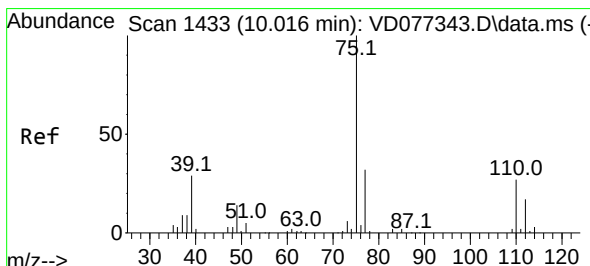
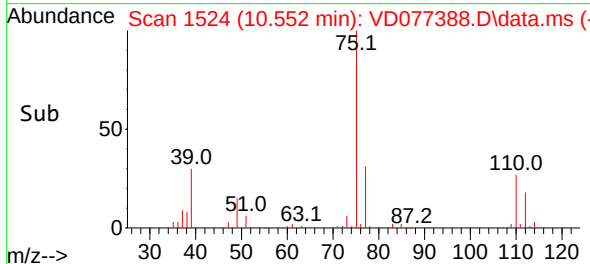
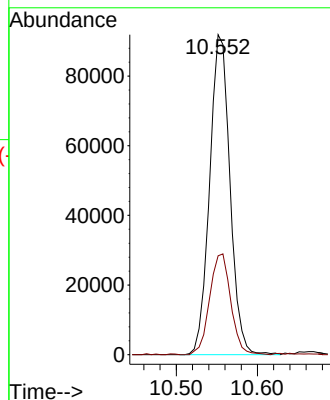
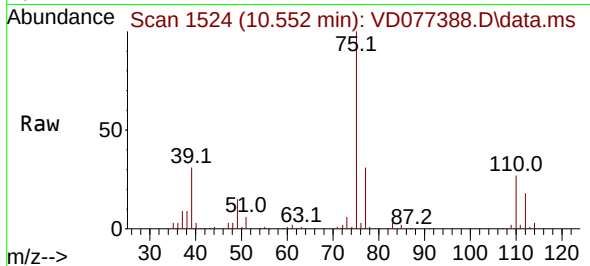
#53
t-1,3-Dichloropropene
Concen: 54.659 ug/l
RT: 10.552 min Scan# 1525
Delta R.T. -0.005 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 159874
Ion Ratio Lower Upper
75 100
77 30.9 25.3 37.9

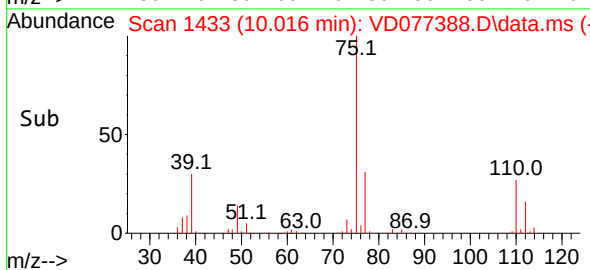
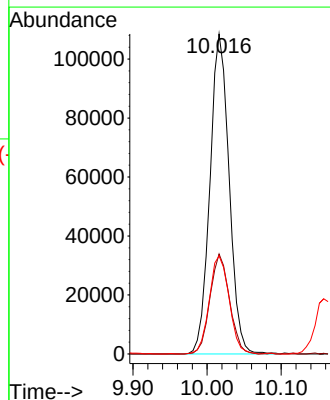
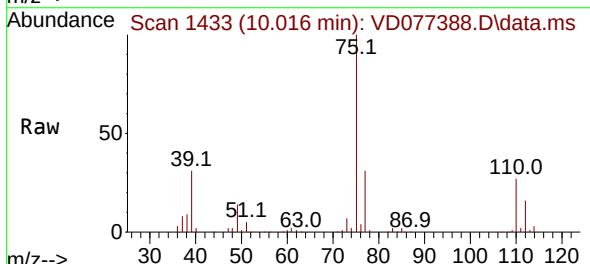
Manual Integrations
APPROVED

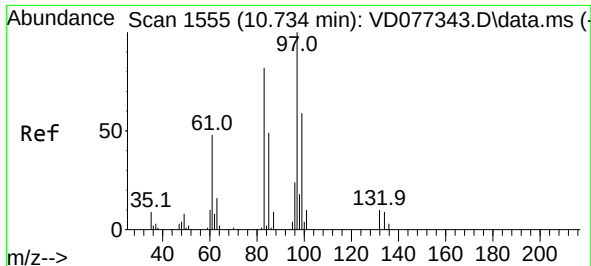
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#54
cis-1,3-Dichloropropene
Concen: 54.503 ug/l
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

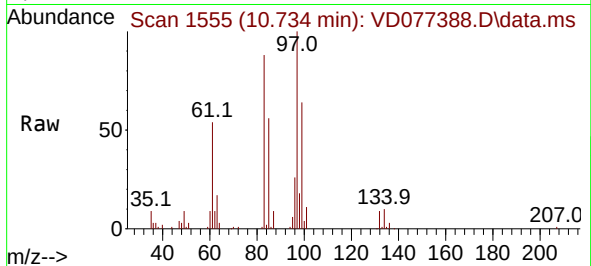
Tgt Ion: 75 Resp: 195052
Ion Ratio Lower Upper
75 100
77 31.3 25.5 38.3
39 30.6 22.1 33.1





#55
1,1,2-Trichloroethane
Concen: 52.539 ug/l
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

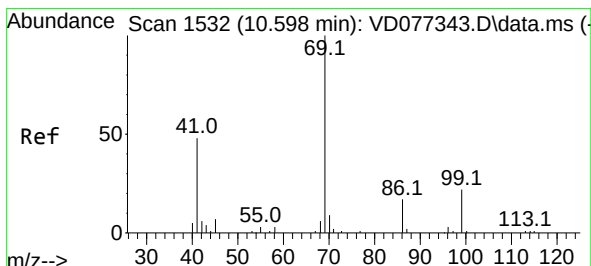
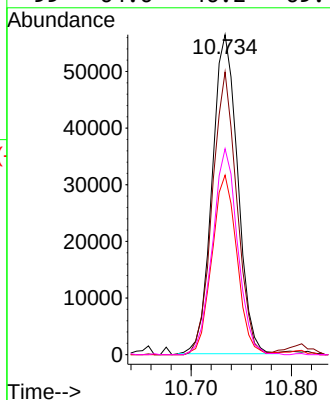
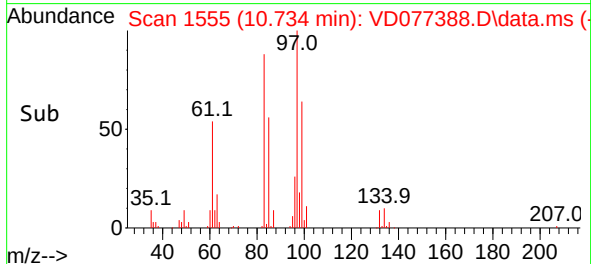
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.6	65.8	98.6
85	56.3	45.7	68.5
99	64.6	46.2	69.4

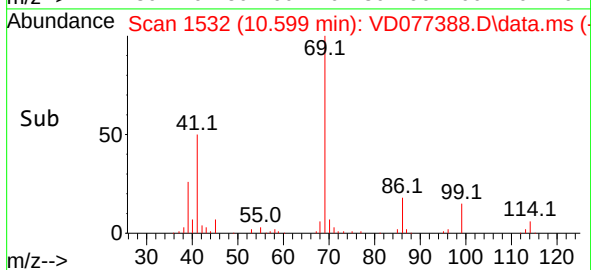
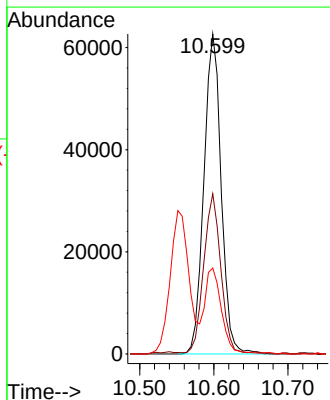
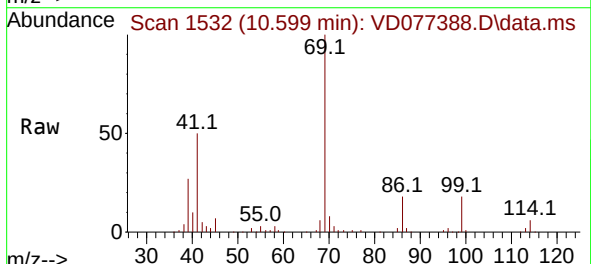
Manual Integrations
APPROVED

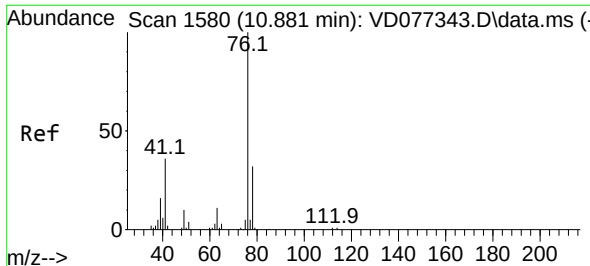
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#56
Ethyl methacrylate
Concen: 56.027 ug/l
RT: 10.599 min Scan# 1532
Delta R.T. 0.001 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

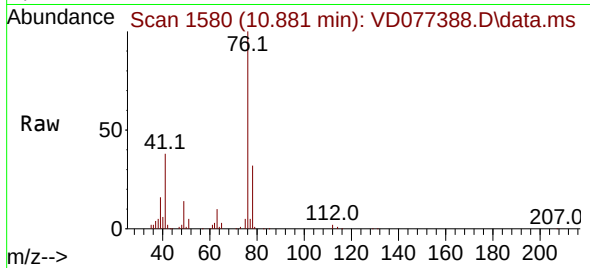
Tgt Ion	Ratio	Lower	Upper
69	100		
41	48.6	39.1	58.7
39	24.9	20.0	30.0





#57
1,3-Dichloropropane
Concen: 53.690 ug/l
RT: 10.881 min Scan# 1580
Delta R.T. -0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

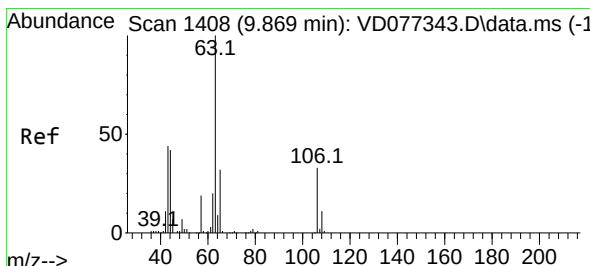
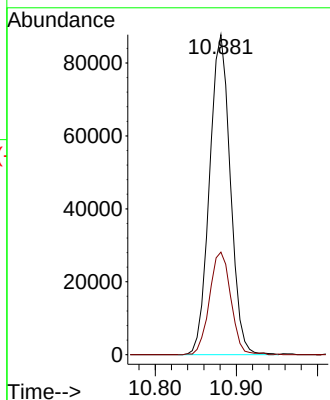
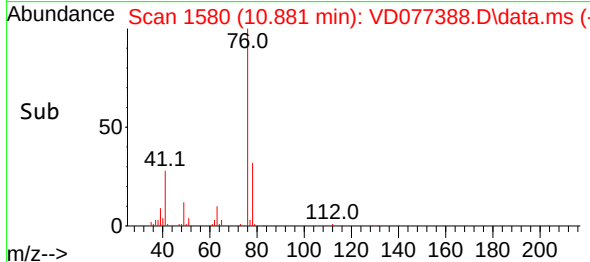
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



Tgt Ion: 76 Resp: 156102
Ion Ratio Lower Upper
76 100
78 33.0 26.4 39.6

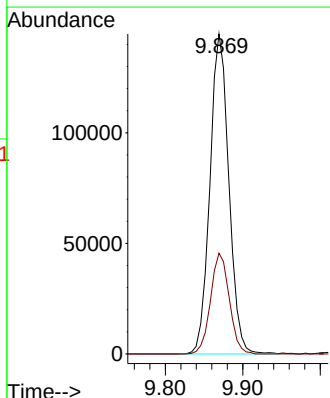
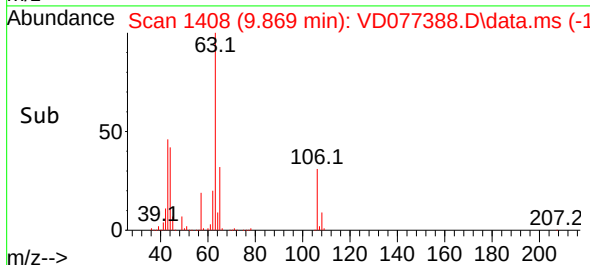
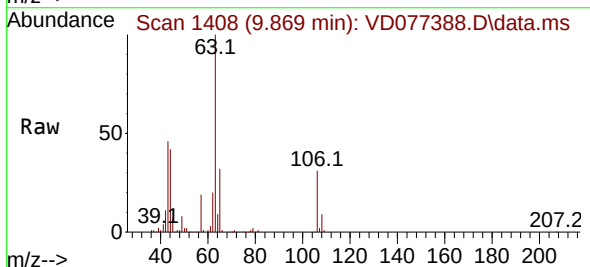
Manual Integrations
APPROVED

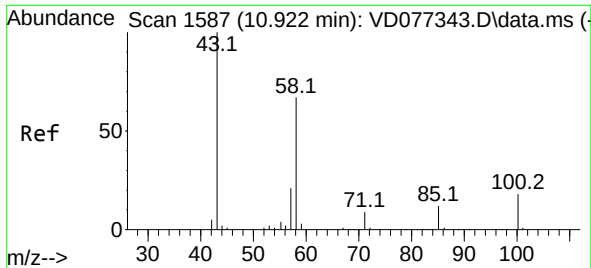
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#58
2-Chloroethyl Vinyl ether
Concen: 274.996 ug/l
RT: 9.869 min Scan# 1408
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Tgt Ion: 63 Resp: 245993
Ion Ratio Lower Upper
63 100
106 31.2 25.3 37.9





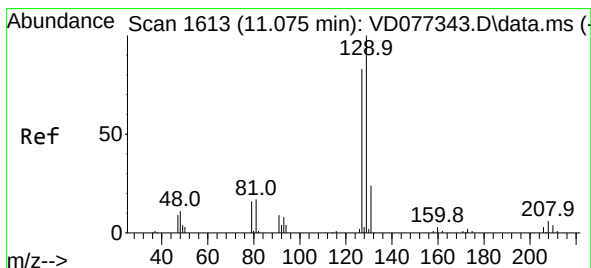
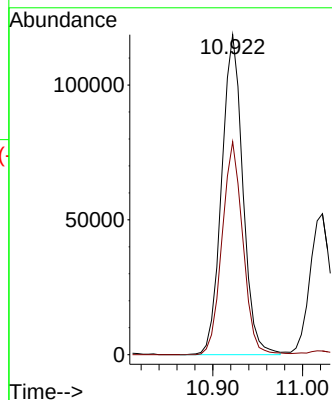
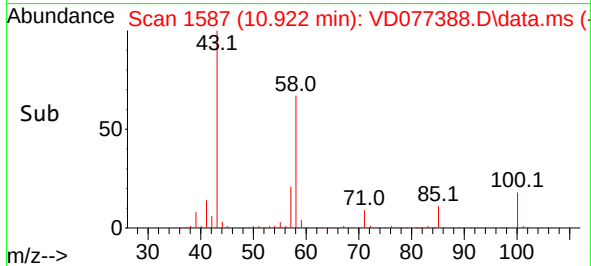
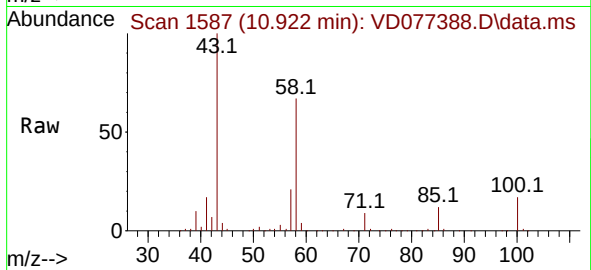
#59
2-Hexanone
Concen: 305.610 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 194420
Ion Ratio Lower Upper
43 100
58 65.3 34.1 102.2

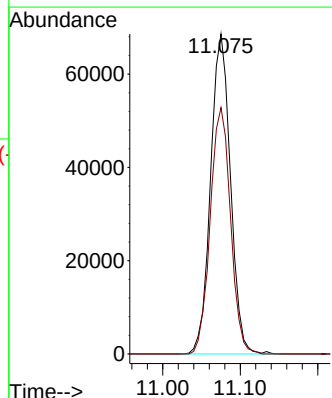
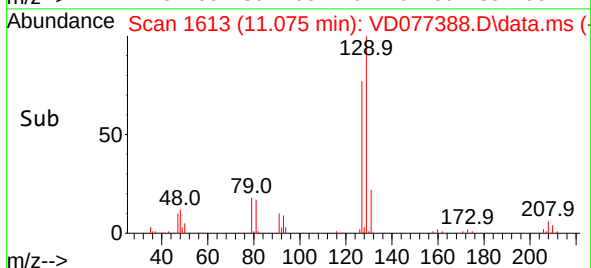
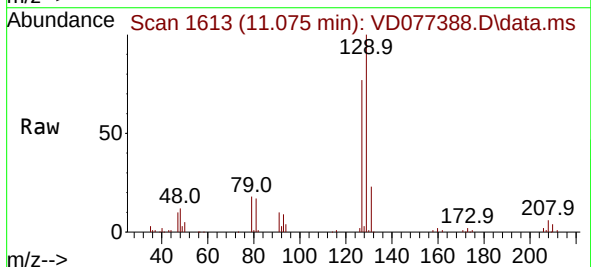
Manual Integrations
APPROVED

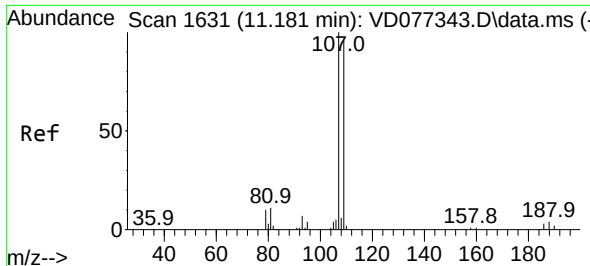
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#60
Dibromochloromethane
Concen: 50.636 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

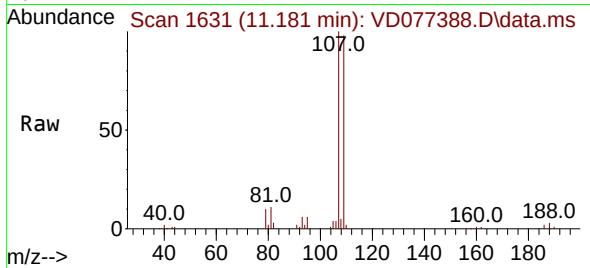
Tgt Ion:129 Resp: 122377
Ion Ratio Lower Upper
129 100
127 78.6 37.1 111.5





#61
1,2-Dibromoethane
Concen: 52.149 ug/l
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

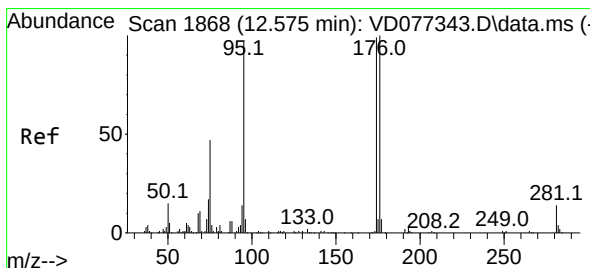
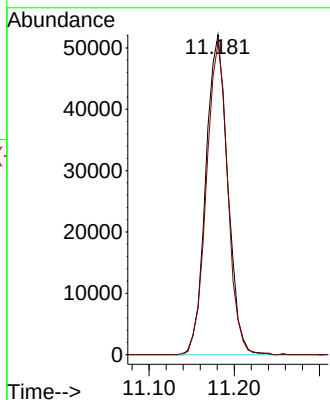
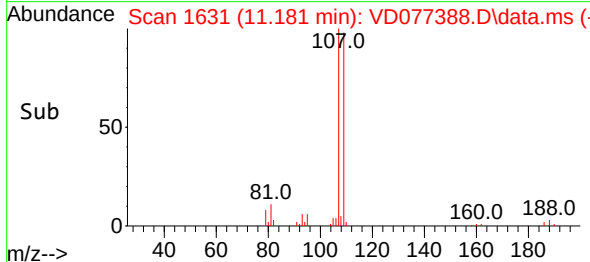
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



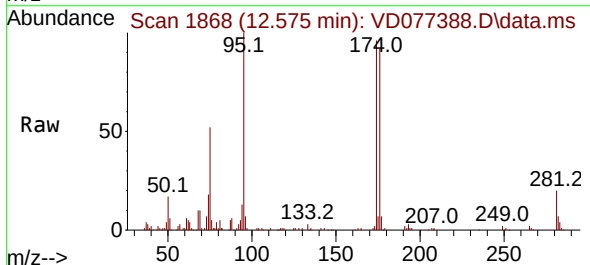
Tgt Ion:107 Resp: 93010
Ion Ratio Lower Upper
107 100
109 95.0 75.6 113.4

Manual Integrations
APPROVED

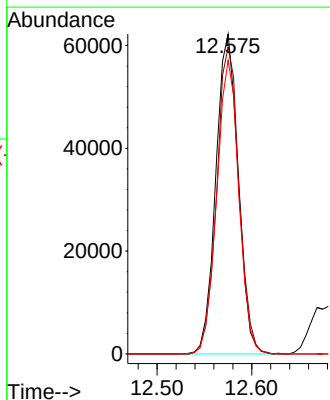
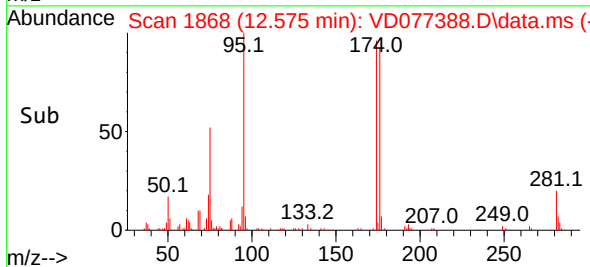
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

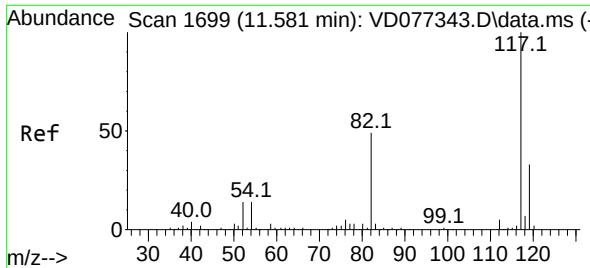


#62
4-Bromofluorobenzene
Concen: 41.554 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18



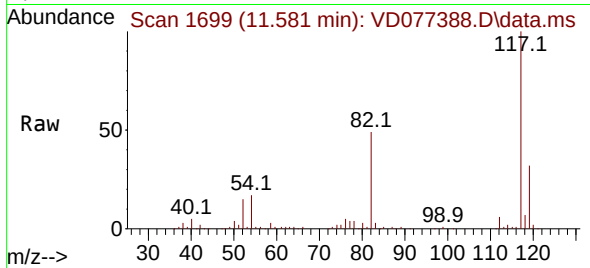
Tgt Ion: 95 Resp: 101872
Ion Ratio Lower Upper
95 100
174 96.2 0.0 201.8
176 90.8 0.0 191.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

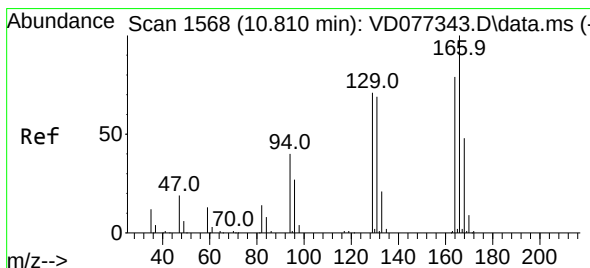
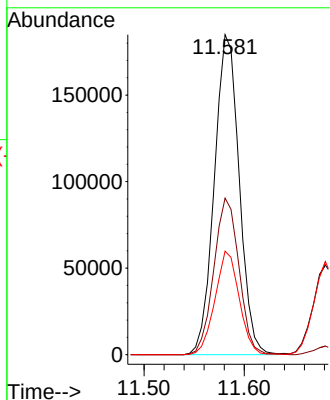
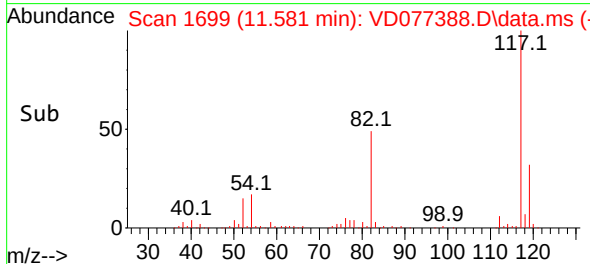
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



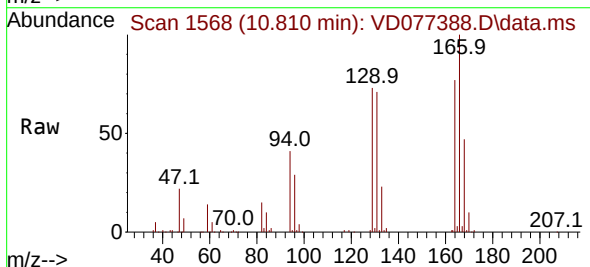
Tgt Ion:117 Resp: 31833
Ion Ratio Lower Upper
117 100
82 48.9 38.3 57.5
119 32.4 25.0 37.4

Manual Integrations
APPROVED

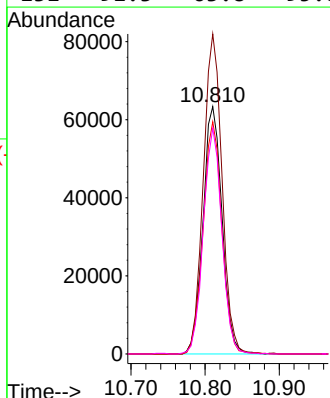
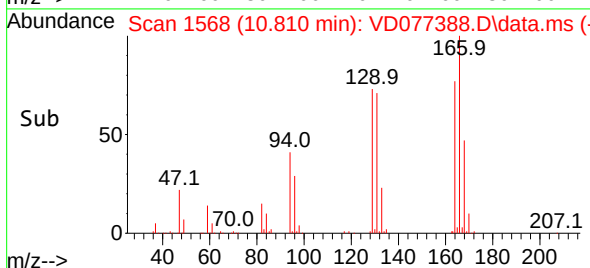
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

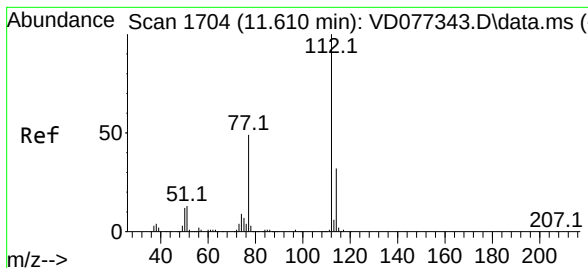


#64
Tetrachloroethene
Concen: 47.884 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18



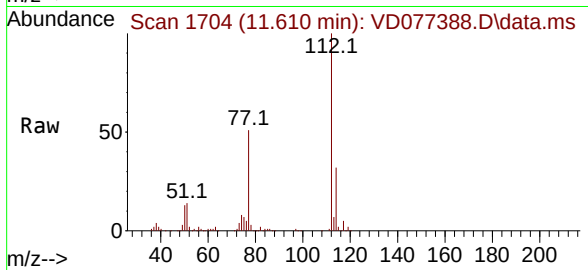
Tgt Ion:164 Resp: 113299
Ion Ratio Lower Upper
164 100
166 129.4 99.2 148.8
129 93.9 68.4 102.6
131 91.3 63.8 95.8





#65
Chlorobenzene
Concen: 51.290 ug/l
RT: 11.610 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

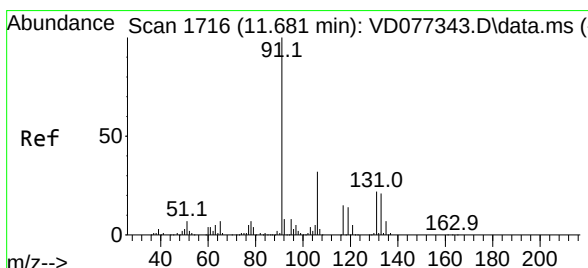
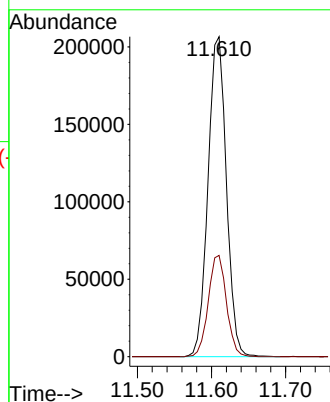
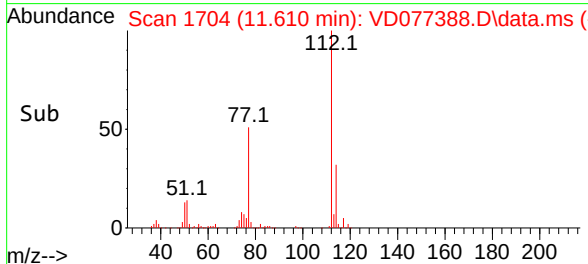
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



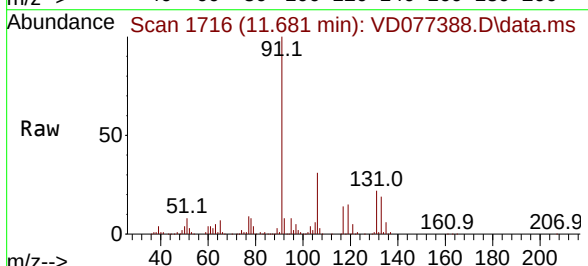
Tgt Ion:112 Resp: 35589
Ion Ratio Lower Upper
112 100
114 31.6 25.1 37.7

Manual Integrations
APPROVED

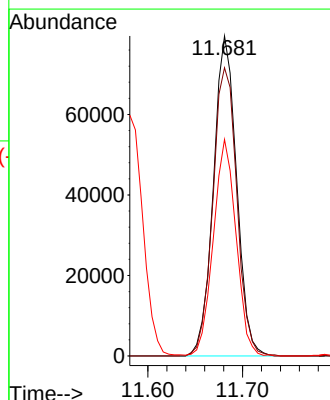
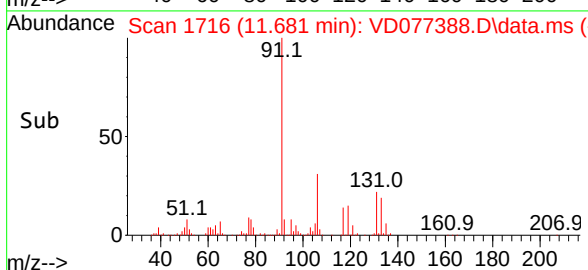
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

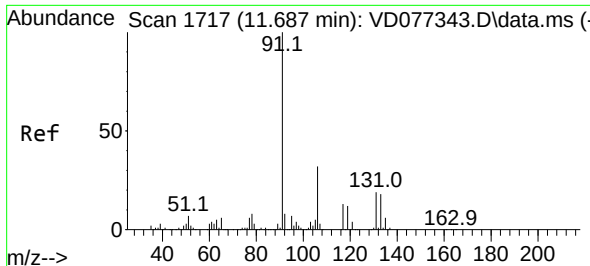


#66
1,1,1,2-Tetrachloroethane
Concen: 51.189 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18



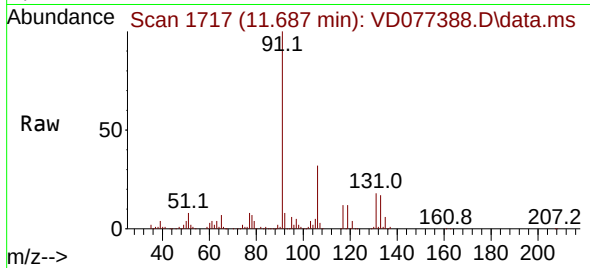
Tgt Ion:131 Resp: 135017
Ion Ratio Lower Upper
131 100
133 93.5 48.5 145.5
119 66.4 35.6 106.9





#67
Ethyl Benzene
Concen: 54.673 ug/l
RT: 11.687 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

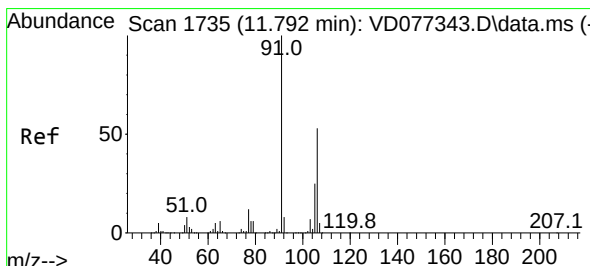
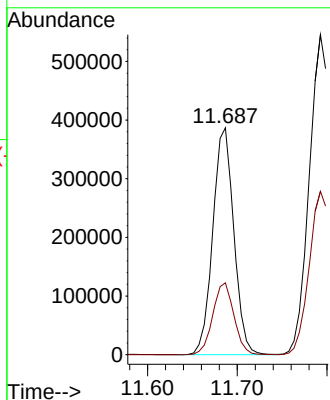
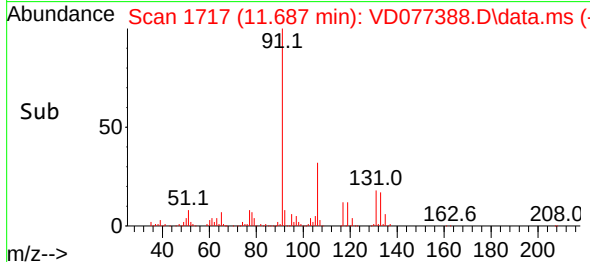
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



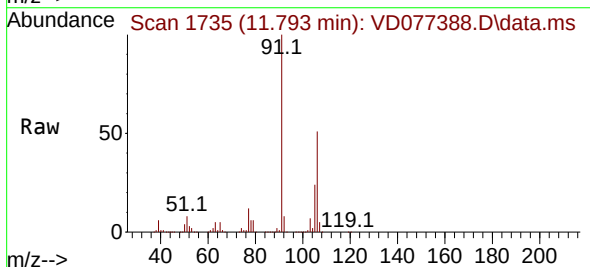
Tgt Ion: 91 Resp: 628870
Ion Ratio Lower Upper
91 100
106 31.7 26.5 39.7

Manual Integrations
APPROVED

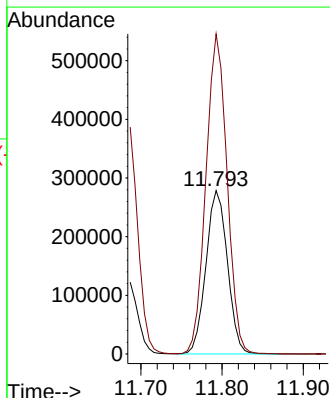
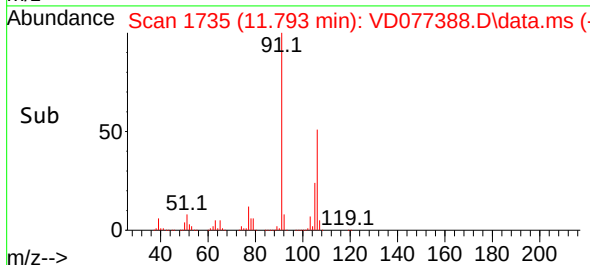
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

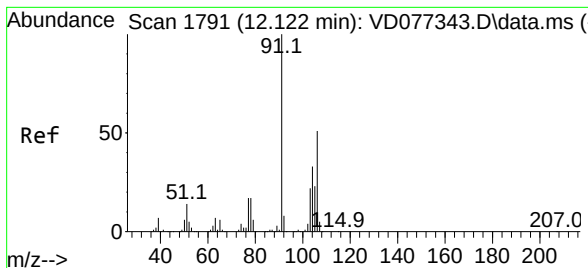


#68
m/p-Xylenes
Concen: 108.313 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. 0.001 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18



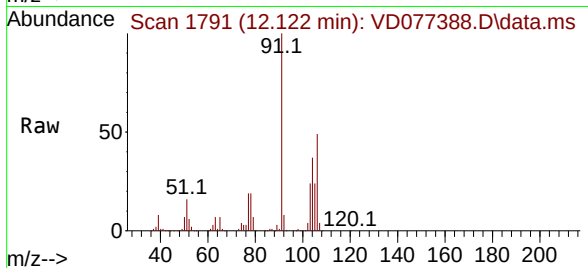
Tgt Ion:106 Resp: 511594
Ion Ratio Lower Upper
106 100
91 193.0 147.0 220.6





#69
o-Xylene
Concen: 53.107 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

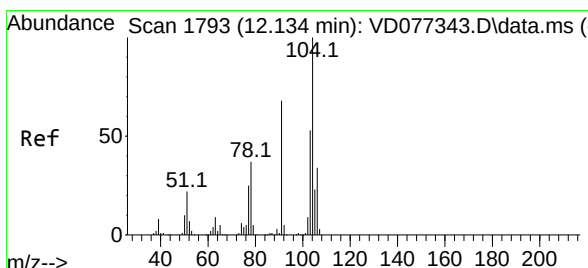
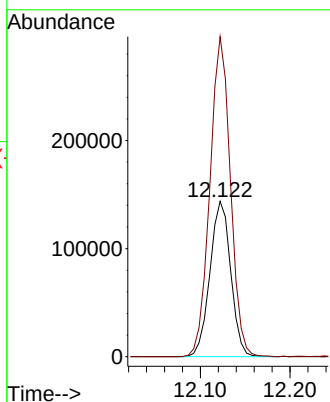
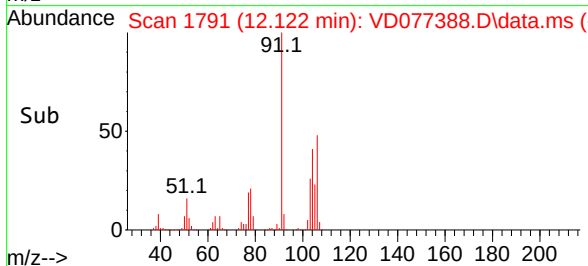
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



Tgt Ion:106 Resp: 230910
Ion Ratio Lower Upper
106 100
91 203.8 97.9 293.6

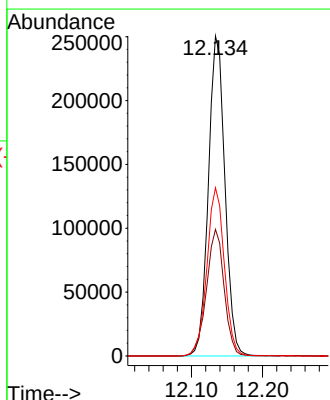
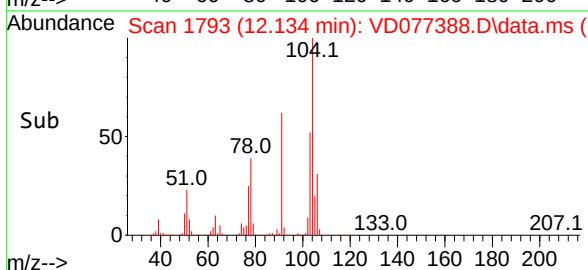
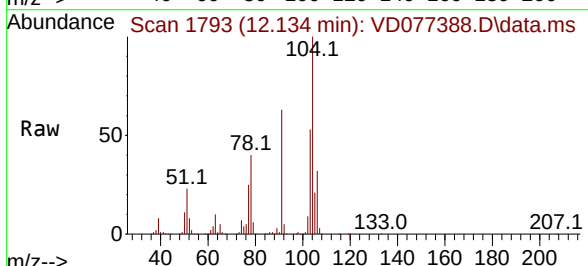
Manual Integrations
APPROVED

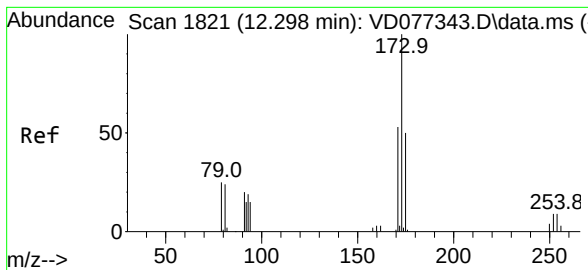
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#70
Styrene
Concen: 54.760 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

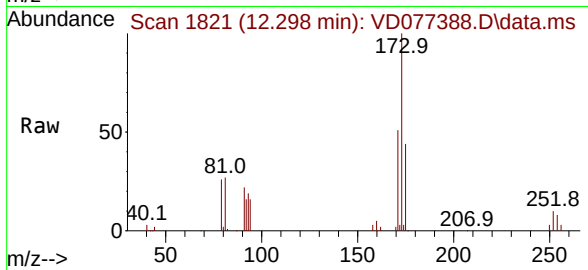
Tgt Ion:104 Resp: 406233
Ion Ratio Lower Upper
104 100
78 42.3 33.2 49.8
103 55.6 43.6 65.4





#71
Bromoform
Concen: 49.955 ug/l
RT: 12.298 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

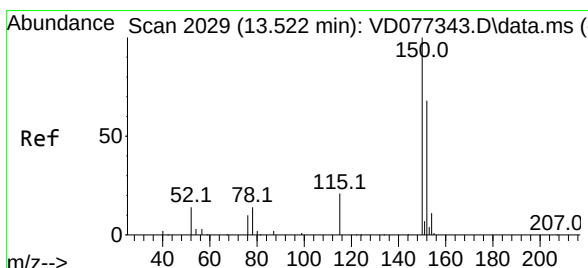
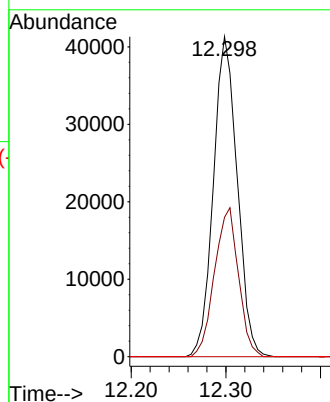
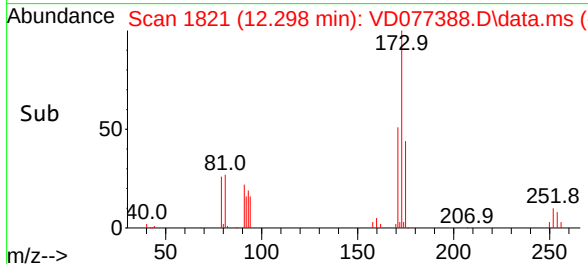
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



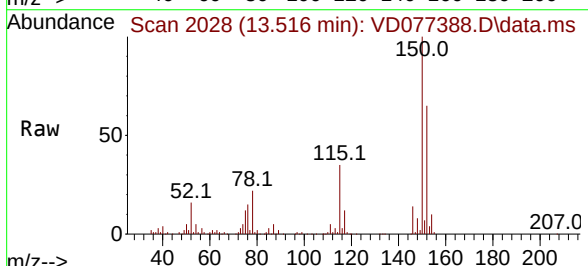
Tgt Ion:173 Resp: 72230
Ion Ratio Lower Upper
173 100
175 46.8 24.6 73.8
254 0.0 0.0 0.0

Manual Integrations
APPROVED

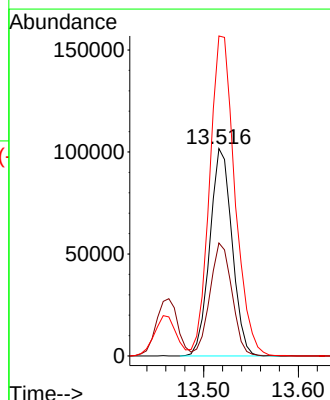
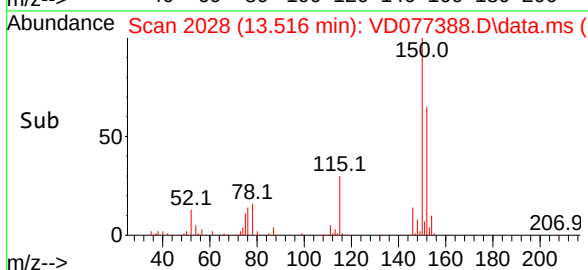
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

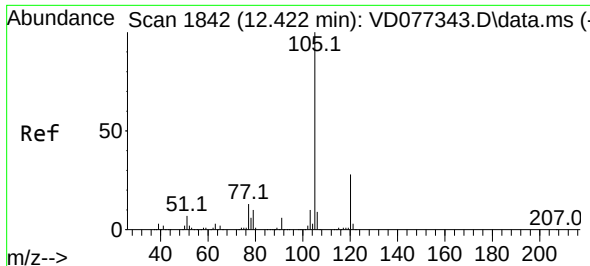


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18



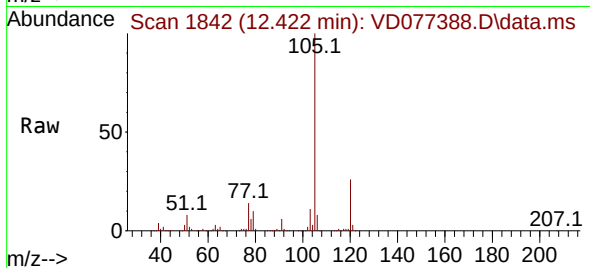
Tgt Ion:152 Resp: 166180
Ion Ratio Lower Upper
152 100
115 53.7 27.1 81.3
150 175.4 0.0 353.6





#73
Isopropylbenzene
Concen: 55.636 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

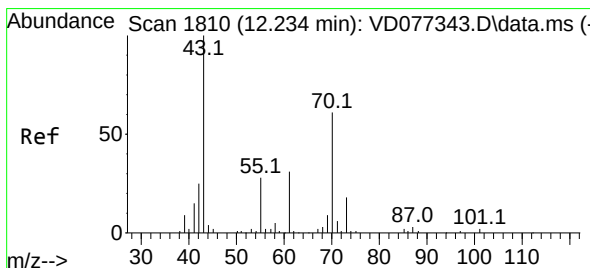
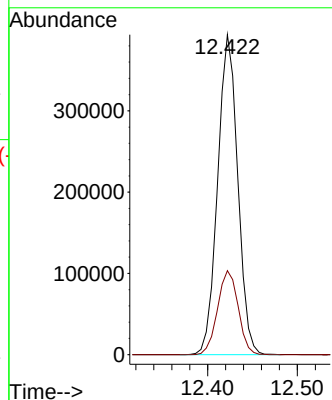
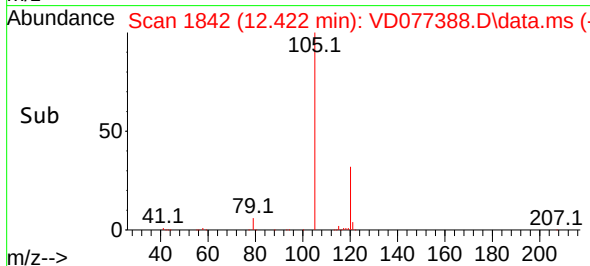
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



Tgt Ion:105 Resp: 61154
Ion Ratio Lower Upper
105 100
120 26.9 14.3 42.9

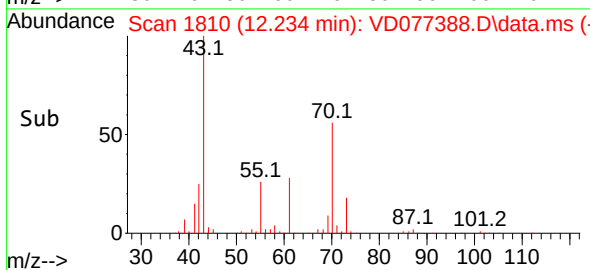
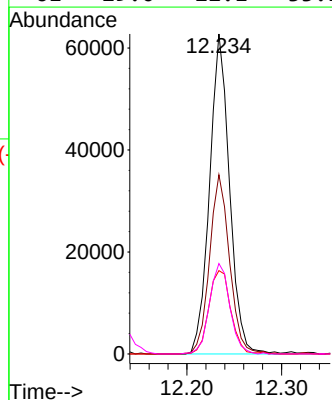
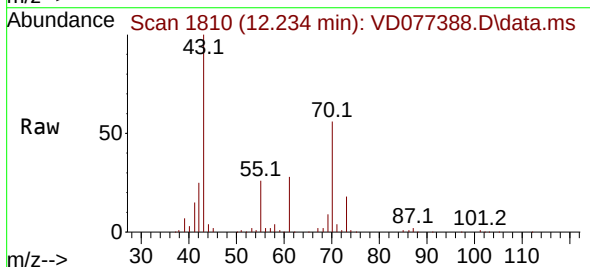
Manual Integrations
APPROVED

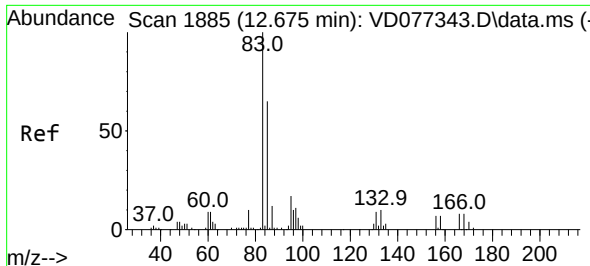
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#74
N-ethyl acetate
Concen: 58.174 ug/l
RT: 12.234 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Tgt Ion: 43 Resp: 91990
Ion Ratio Lower Upper
43 100
70 56.1 45.0 67.4
55 28.9 23.8 35.6
61 29.0 22.1 33.1





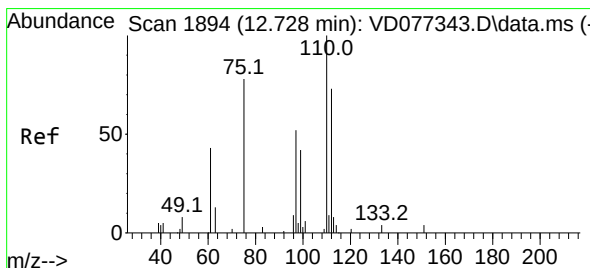
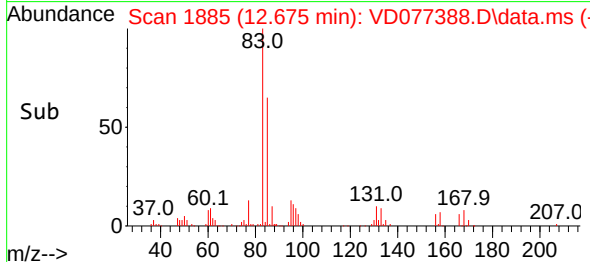
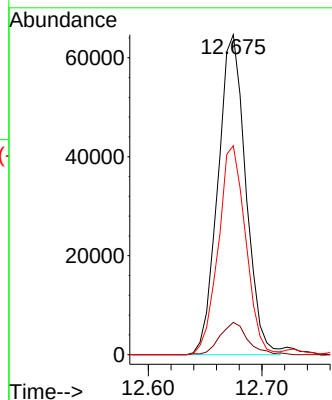
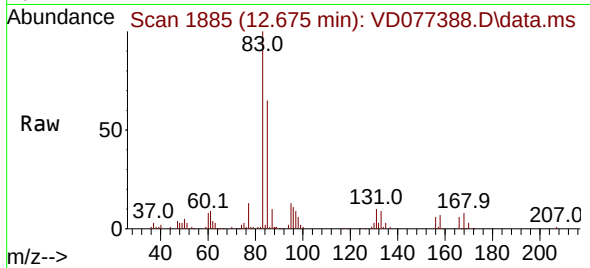
#75
1,1,2,2-Tetrachloroethane
Concen: 55.132 ug/l
RT: 12.675 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 11012
Ion Ratio Lower Upper
83 100
131 10.1 5.1 15.3
85 64.3 32.6 97.8

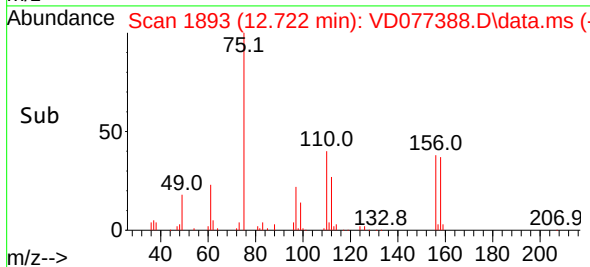
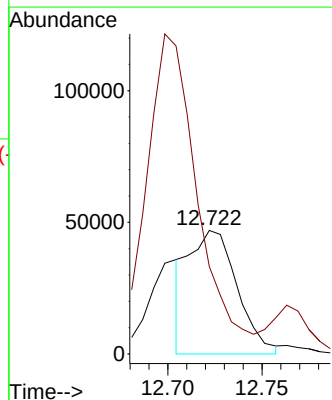
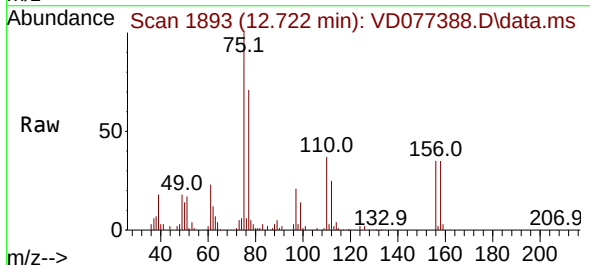
Manual Integrations
APPROVED

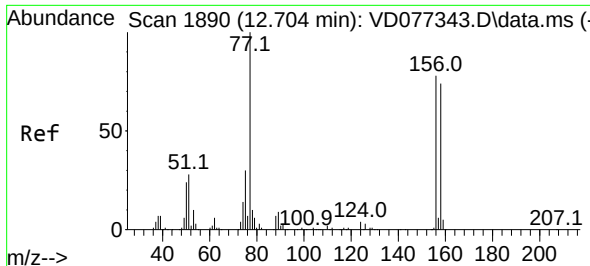
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#76
1,2,3-Trichloropropane
Concen: 37.980 ug/l m
RT: 12.722 min Scan# 1893
Delta R.T. -0.006 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Tgt Ion: 75 Resp: 84111
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





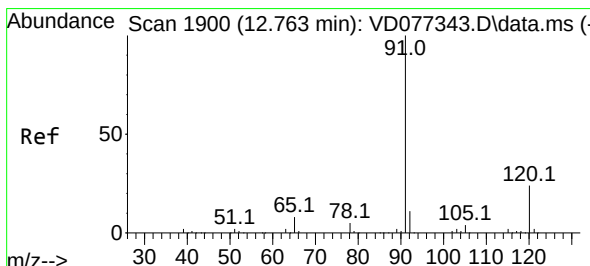
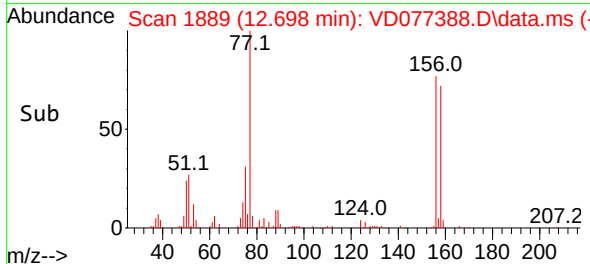
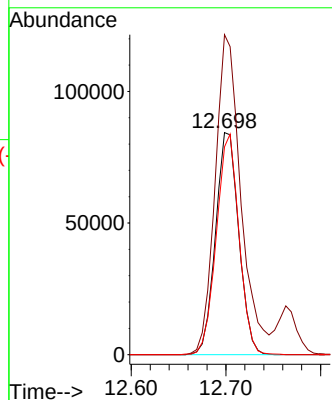
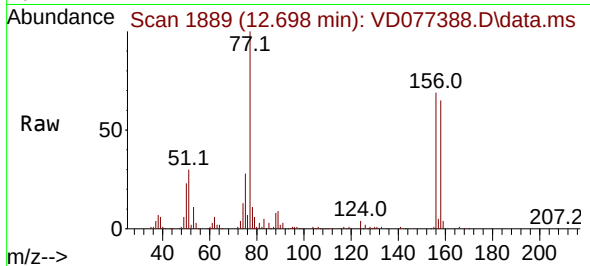
#77
Bromobenzene
Concen: 49.848 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. -0.006 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 14384
Ion Ratio Lower Upper
156 100
77 159.7 76.8 230.4
158 96.9 48.6 145.9

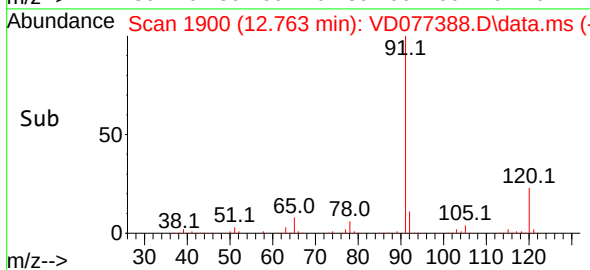
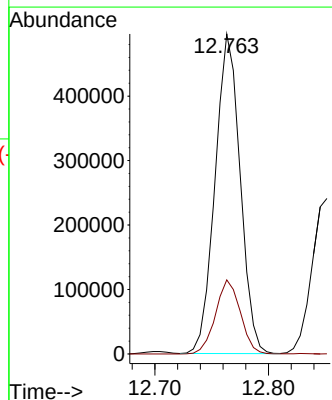
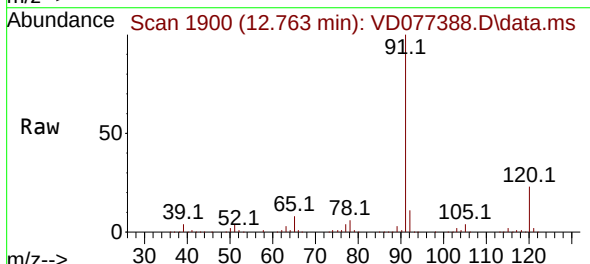
Manual Integrations
APPROVED

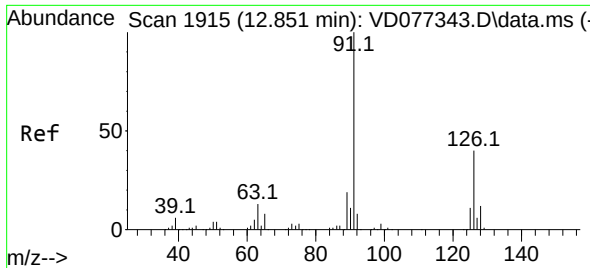
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#78
n-propylbenzene
Concen: 57.415 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Tgt Ion: 91 Resp: 760053
Ion Ratio Lower Upper
91 100
120 23.0 12.4 37.2





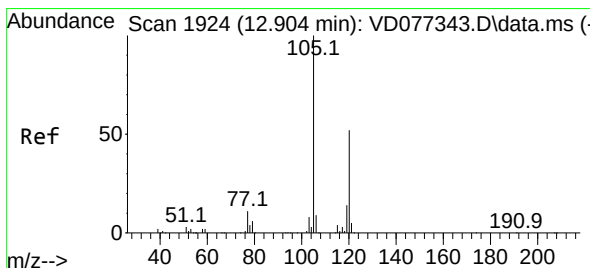
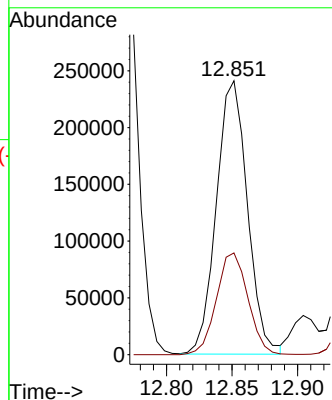
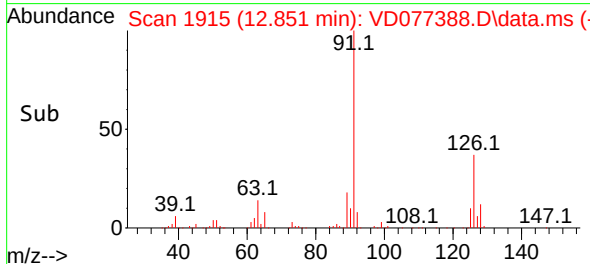
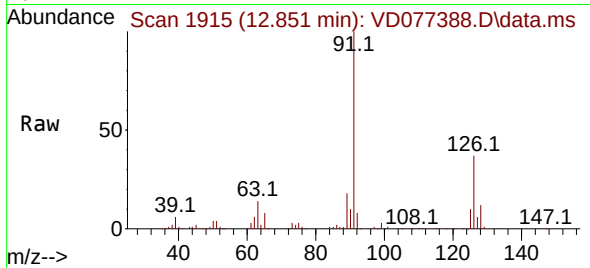
#79
2-Chlorotoluene
Concen: 55.042 ug/l
RT: 12.851 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 39687
Ion Ratio Lower Upper
91 100
126 37.8 19.4 58.1

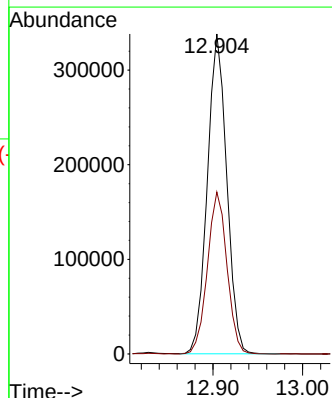
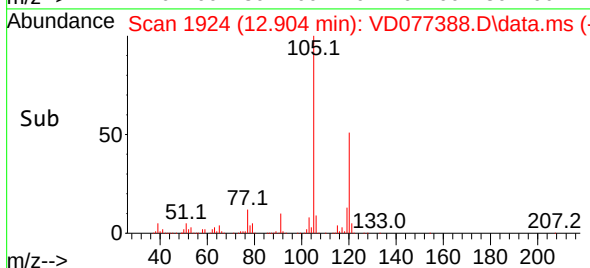
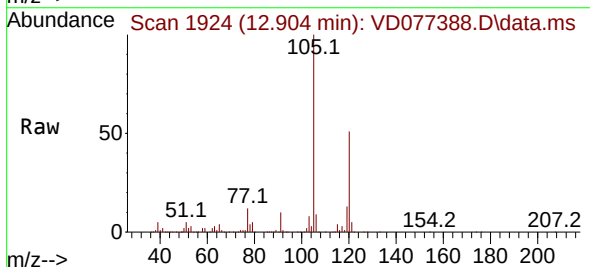
Manual Integrations
APPROVED

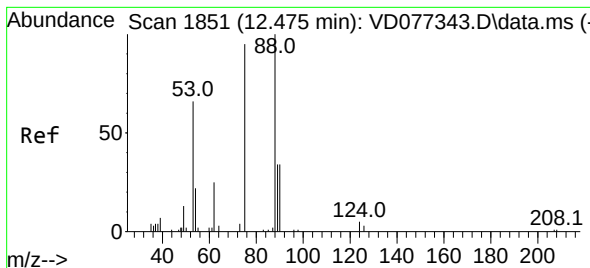
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#80
1,3,5-Trimethylbenzene
Concen: 55.877 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Tgt Ion:105 Resp: 506839
Ion Ratio Lower Upper
105 100
120 51.1 26.4 79.2





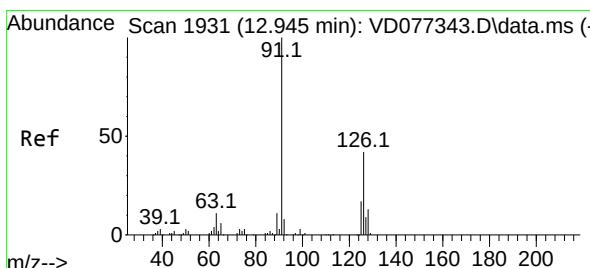
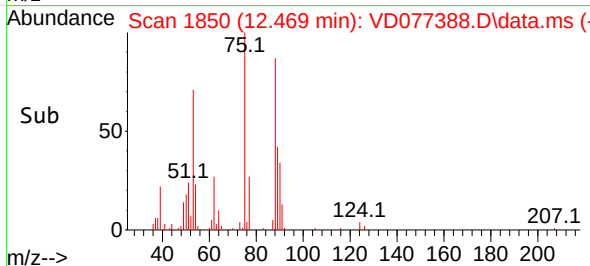
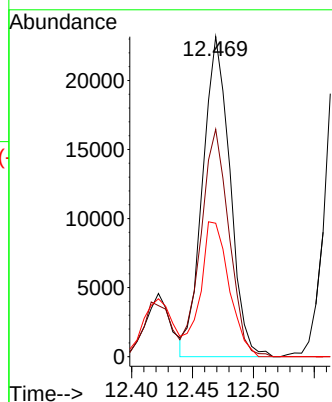
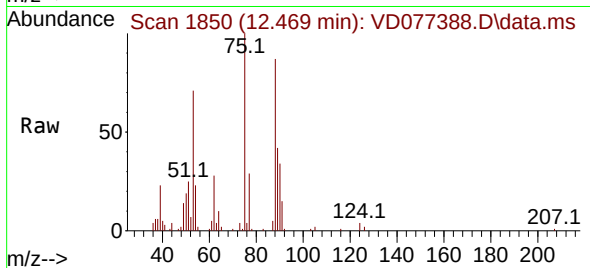
#81
trans-1,4-Dichloro-2-butene
Concen: 58.351 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 36188
Ion Ratio Lower Upper
75 100
53 72.8 63.0 94.4
89 44.4 37.9 56.9

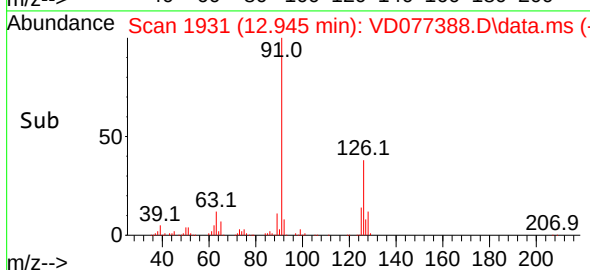
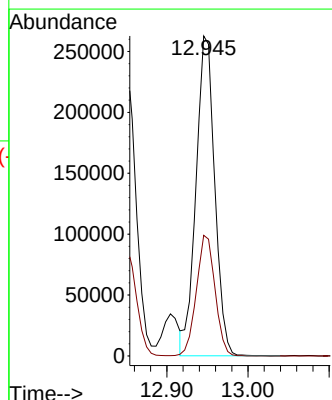
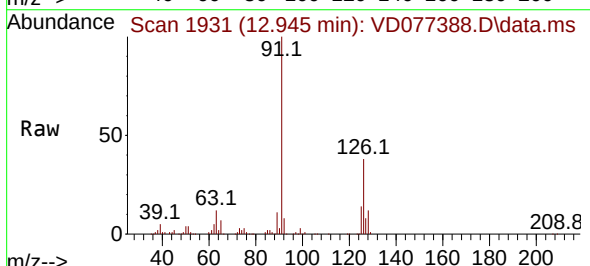
Manual Integrations
APPROVED

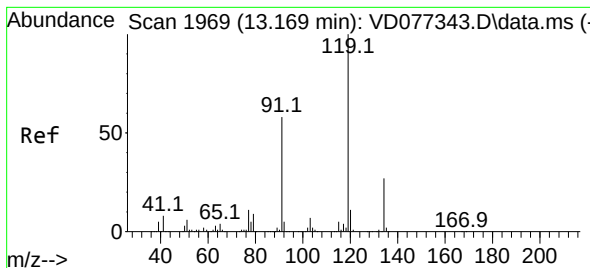
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#82
4-Chlorotoluene
Concen: 56.129 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Tgt Ion: 91 Resp: 421348
Ion Ratio Lower Upper
91 100
126 37.6 19.4 58.4





#83

tert-Butylbenzene

Concen: 55.252 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. 0.000 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

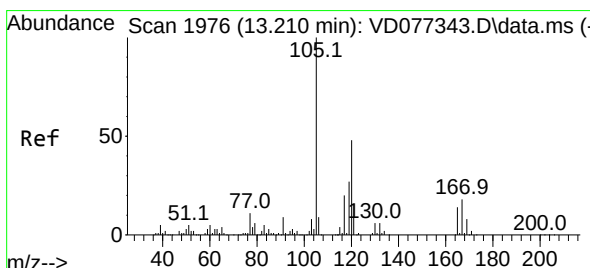
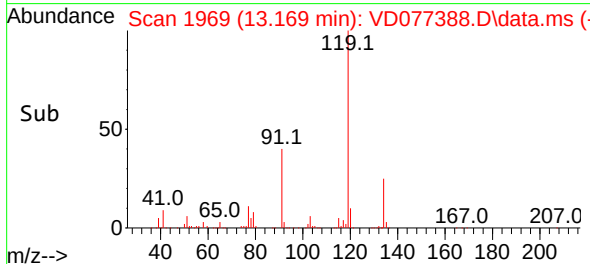
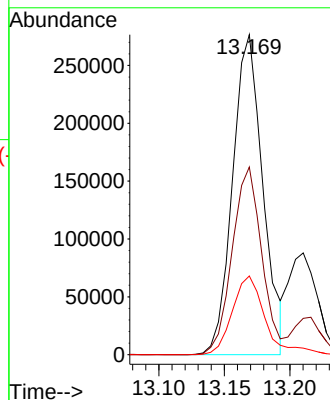
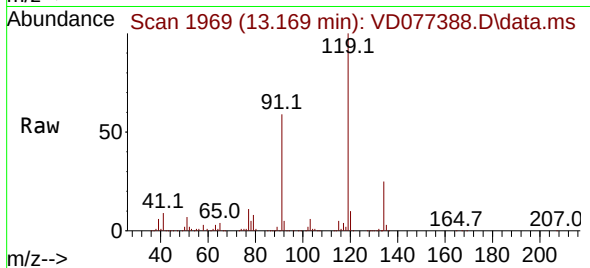
Tgt Ion:	119	Resp:	44433
Ion Ratio	Lower	Upper	
119	100		
91	57.2	29.3	87.8
134	26.8	14.1	42.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#84

1,2,4-Trimethylbenzene

Concen: 56.858 ug/l

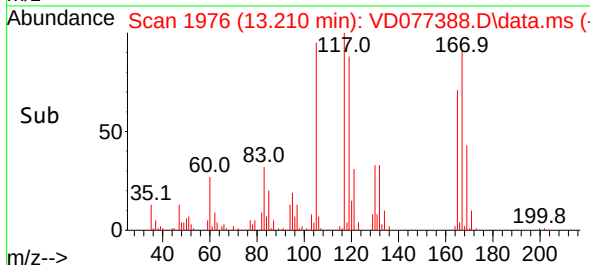
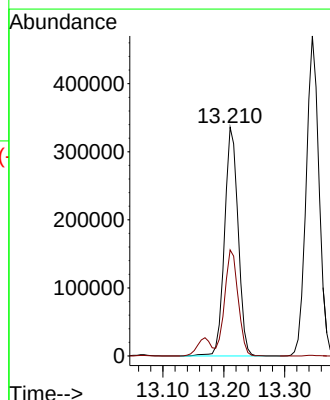
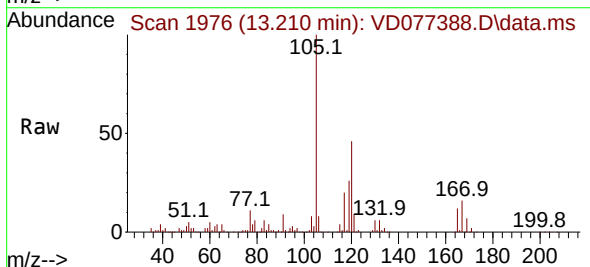
RT: 13.210 min Scan# 1976

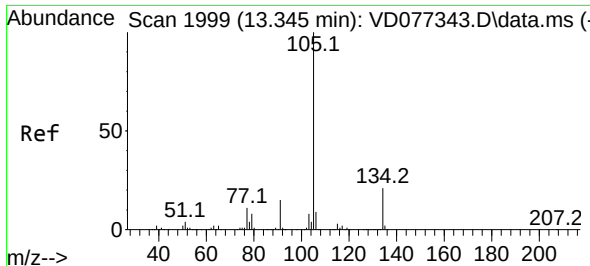
Delta R.T. 0.000 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

Tgt Ion:	105	Resp:	519258
Ion Ratio	Lower	Upper	
105	100		
120	45.8	24.3	72.9





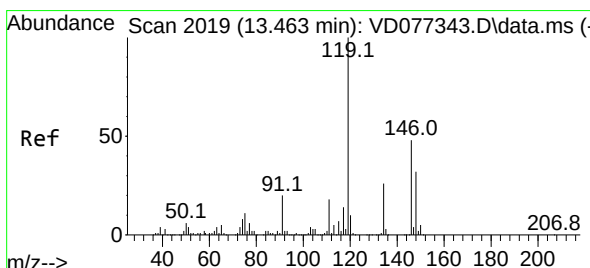
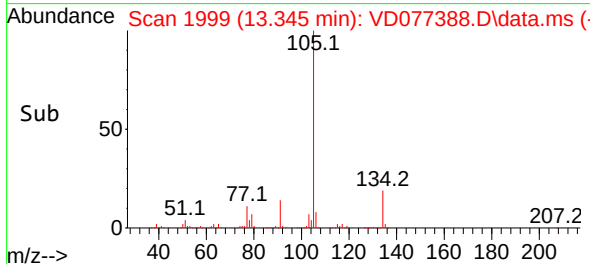
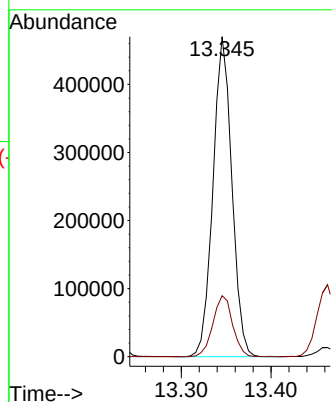
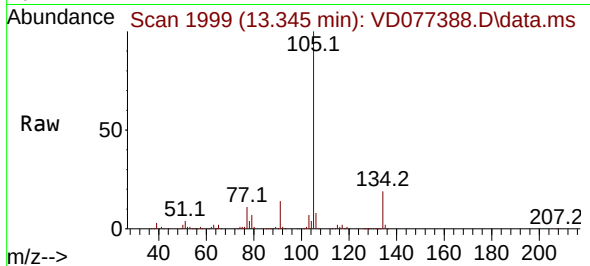
#85
 sec-Butylbenzene
 Concen: 56.783 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VD077388.D
 Acq: 24 Oct 2023 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion:105 Resp: 687159
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.9 32.9

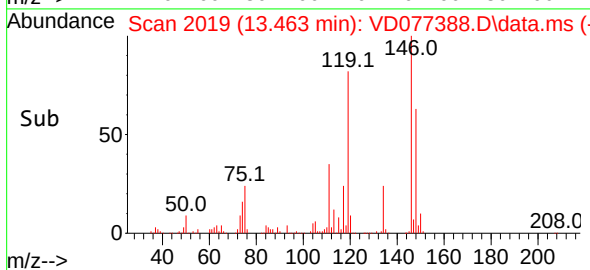
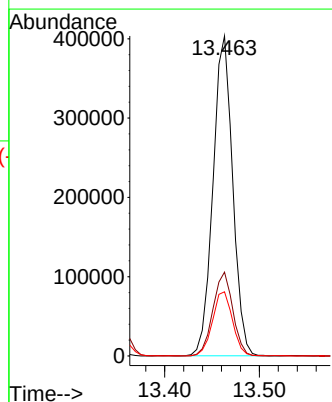
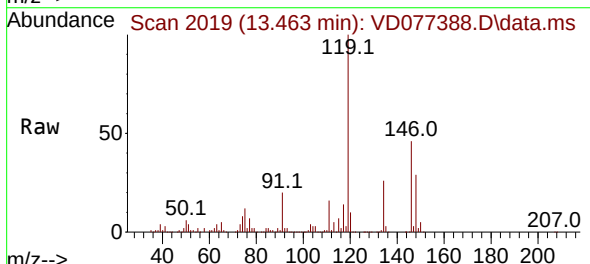
Manual Integrations
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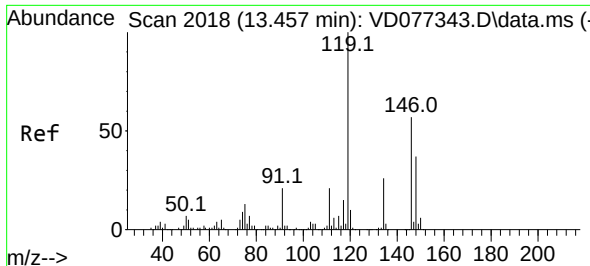
Reviewed By :John Carlone 10/25/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#86
 p-Isopropyltoluene
 Concen: 55.309 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VD077388.D
 Acq: 24 Oct 2023 11:18

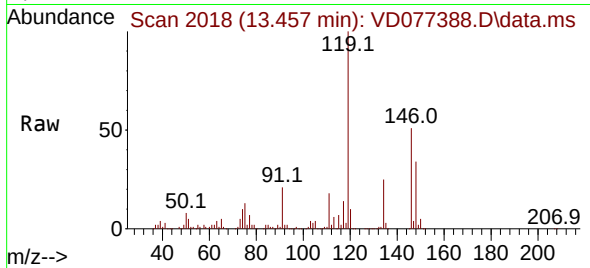
Tgt Ion:119 Resp: 581471
 Ion Ratio Lower Upper
 119 100
 134 26.5 14.2 42.6
 91 20.6 10.5 31.5





#87
1,3-Dichlorobenzene
Concen: 50.816 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

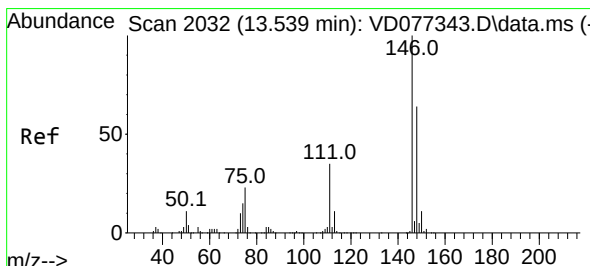
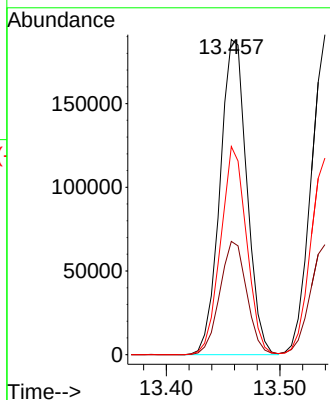
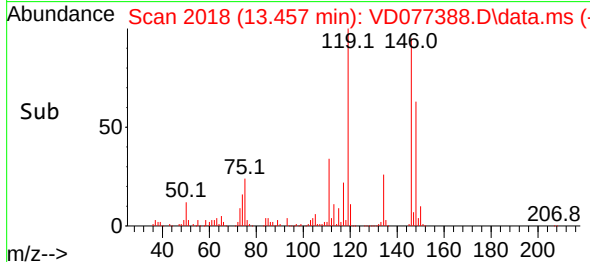
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



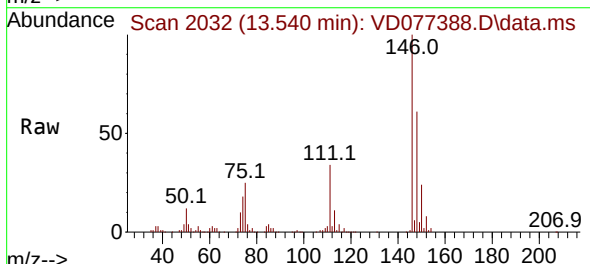
Tgt Ion:146 Resp: 308608
Ion Ratio Lower Upper
146 100
111 36.2 17.9 53.8
148 64.0 32.3 96.8

Manual Integrations
APPROVED

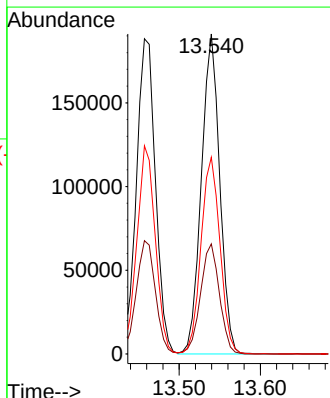
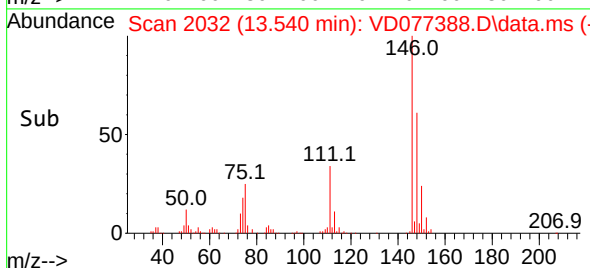
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023

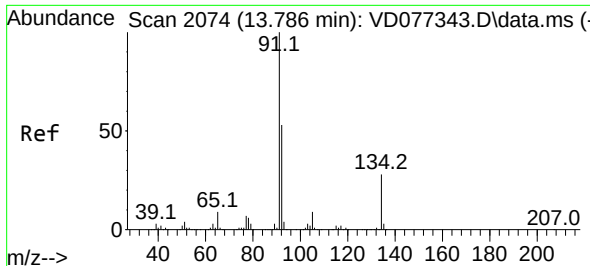


#88
1,4-Dichlorobenzene
Concen: 49.991 ug/l
RT: 13.540 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18



Tgt Ion:146 Resp: 300848
Ion Ratio Lower Upper
146 100
111 35.4 17.4 52.3
148 63.4 31.7 95.1





#89
n-Butylbenzene
Concen: 57.511 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Instrument :

MSVOA_D

ClientSampleId :

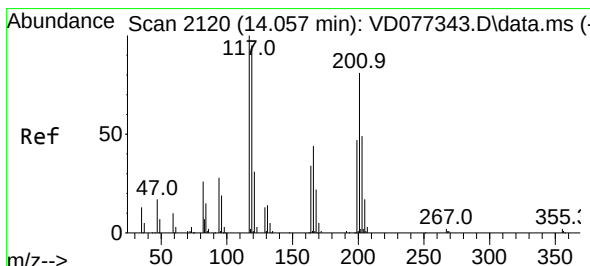
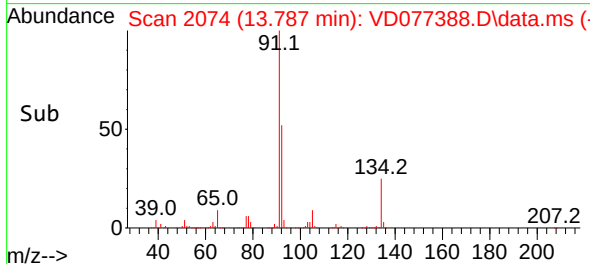
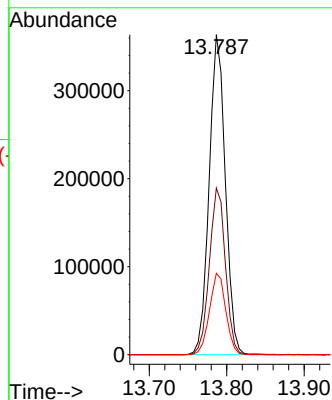
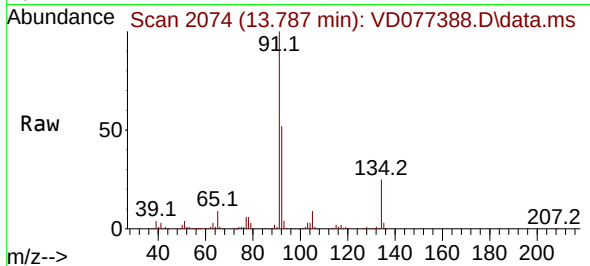
VSTDCCC050

Tgt Ion: 91 Resp: 526478
Ion Ratio Lower Upper
91 100
92 51.8 26.5 79.5
134 25.7 13.8 41.3

Manual Integrations

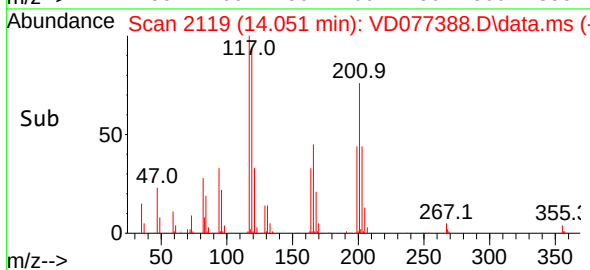
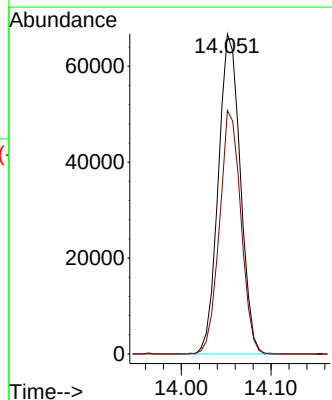
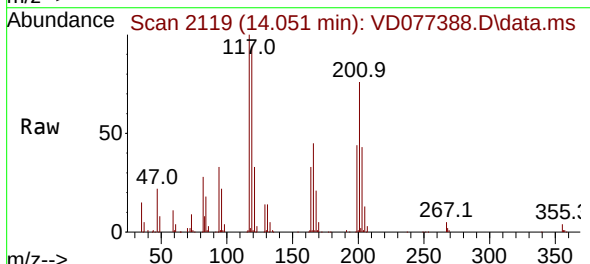
APPROVED

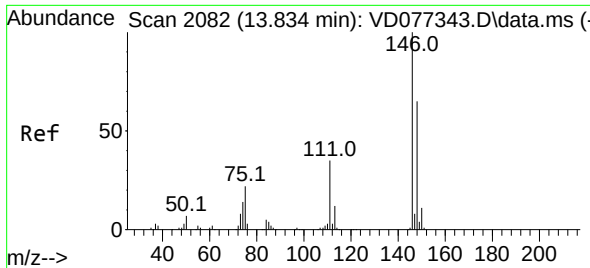
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#90
Hexachloroethane
Concen: 53.398 ug/l
RT: 14.051 min Scan# 2119
Delta R.T. -0.006 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Tgt Ion:117 Resp: 113477
Ion Ratio Lower Upper
117 100
201 74.1 38.5 115.5





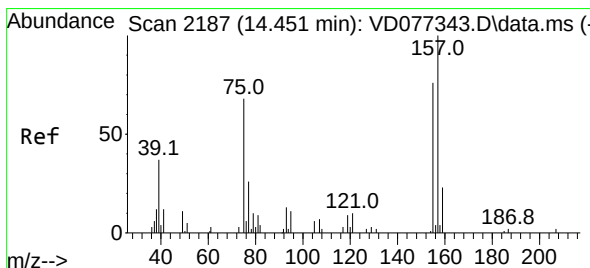
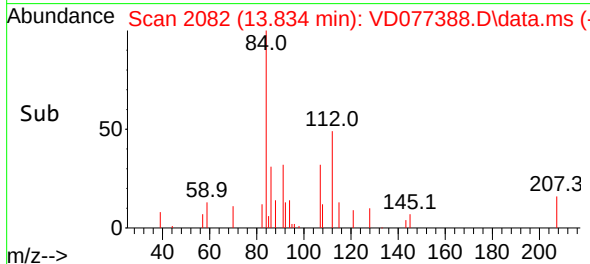
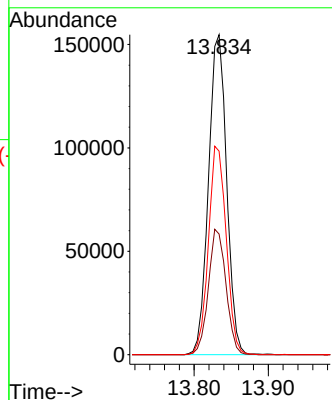
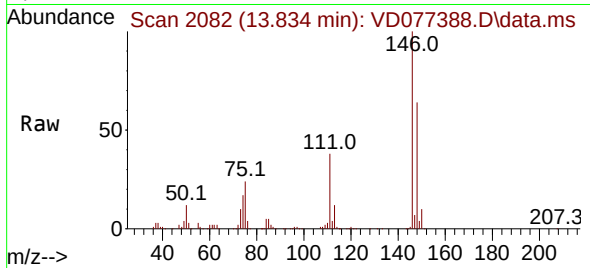
#91
1,2-Dichlorobenzene
Concen: 51.291 ug/l
RT: 13.834 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 26312
Ion Ratio Lower Upper
146 100
111 38.2 18.3 54.8
148 64.1 31.6 94.7

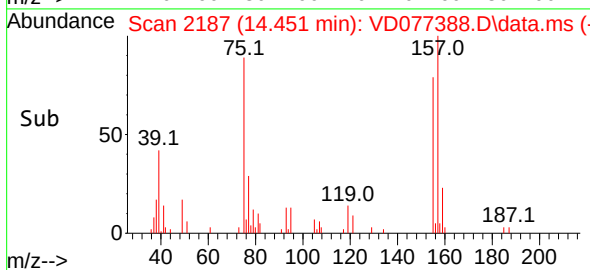
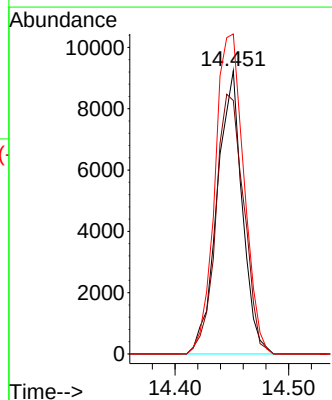
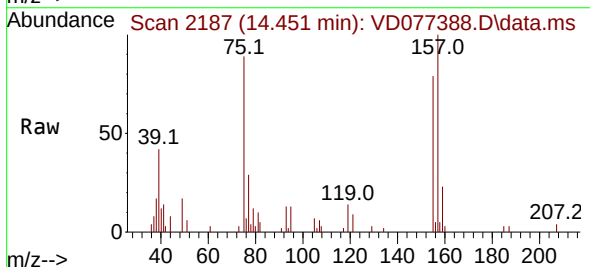
Manual Integrations
APPROVED

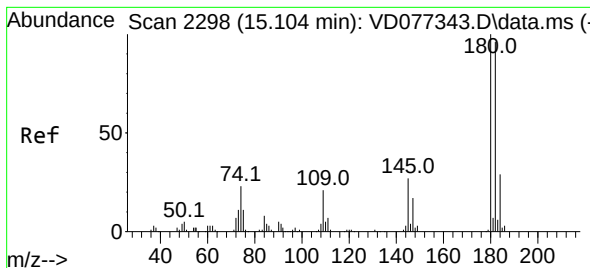
Reviewed By :John Carlone 10/25/2023
Supervised By :Mahesh Dadoda 10/25/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 58.307 ug/l
RT: 14.451 min Scan# 2187
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Tgt Ion: 75 Resp: 14255
Ion Ratio Lower Upper
75 100
155 101.8 47.9 143.8
157 129.4 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 48.333 ug/l

RT: 15.098 min Scan# 2298

Delta R.T. -0.006 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

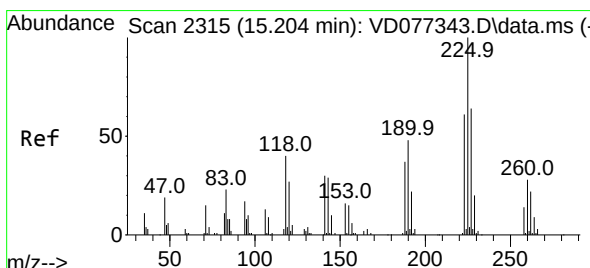
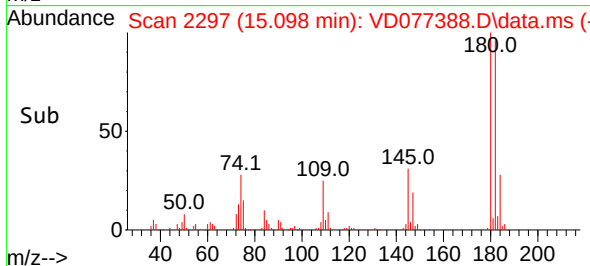
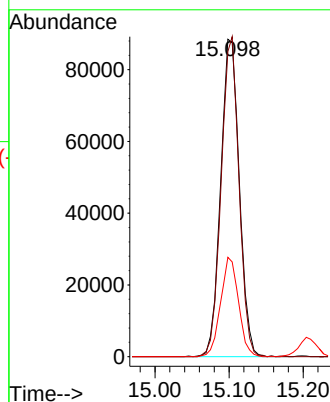
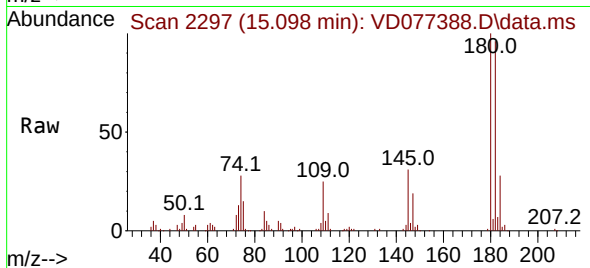
Tgt Ion:180	Resp: 15448
Ion Ratio	Lower Upper
180 100	
182 96.0	48.5 145.6
145 30.1	14.2 42.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2023

Supervised By :Mahesh Dadoda 10/25/2023



#94

Hexachlorobutadiene

Concen: 48.158 ug/l

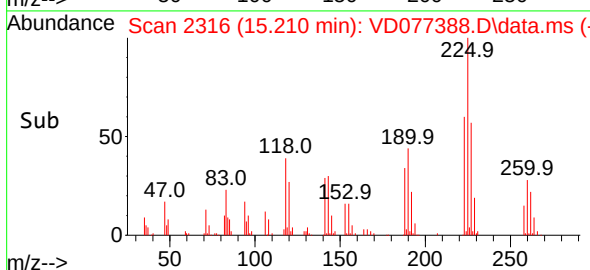
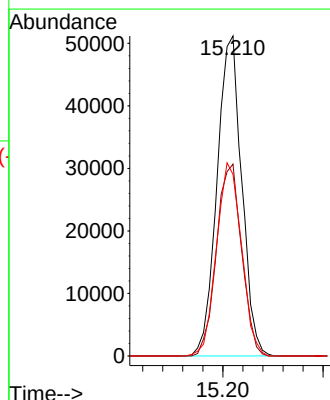
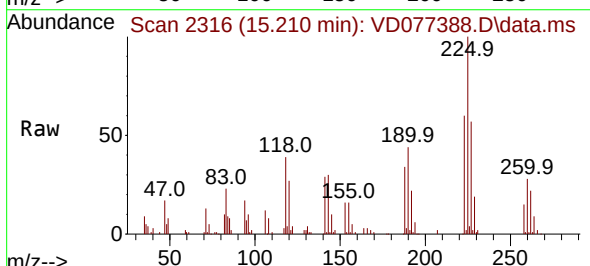
RT: 15.210 min Scan# 2316

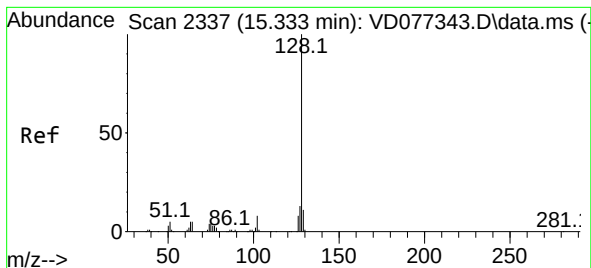
Delta R.T. 0.006 min

Lab File: VD077388.D

Acq: 24 Oct 2023 11:18

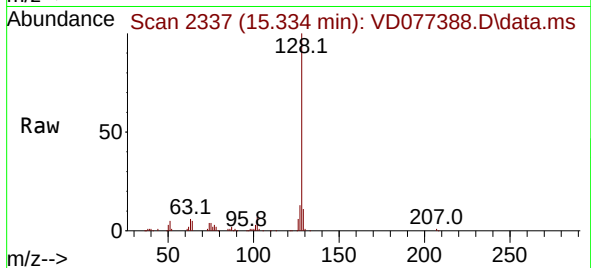
Tgt Ion:225	Resp: 87421
Ion Ratio	Lower Upper
225 100	
223 61.0	31.6 94.8
227 61.2	31.7 95.1





#95
Naphthalene
Concen: 51.696 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

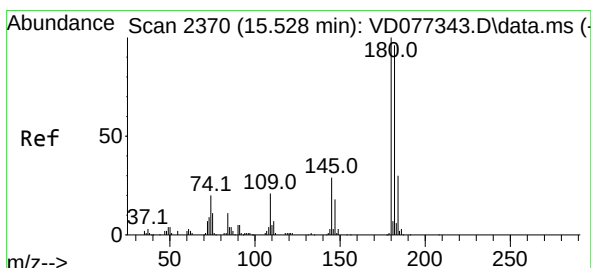
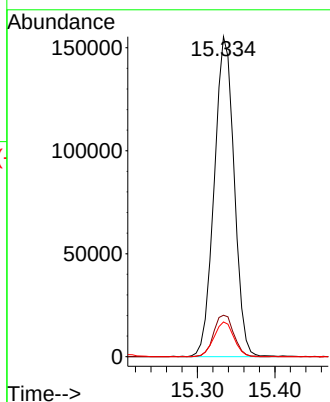
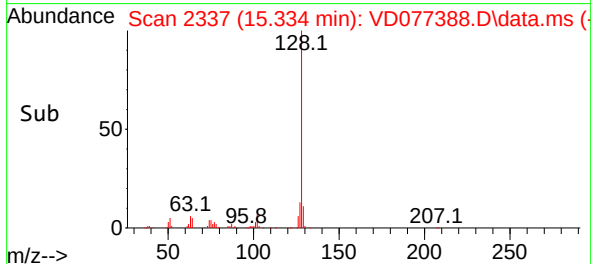
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050



Tgt Ion:128 Resp: 278988
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.8 8.7 13.1

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#96
1,2,3-Trichlorobenzene
Concen: 49.765 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. -0.006 min
Lab File: VD077388.D
Acq: 24 Oct 2023 11:18

Tgt Ion:180 Resp: 138065
Ion Ratio Lower Upper
180 100
182 95.3 47.3 141.9
145 30.1 15.1 45.3

