

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091123\
 Data File : VU055227.D
 Acq On : 11 Sep 2023 10:03
 Operator : MD/SY
 Sample : VSTDICC002
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC002

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/12/2023
 Supervised By : Mahesh Dadoda 09/12/2023

Quant Time: Sep 11 10:27:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U091123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Sep 11 10:15:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Fluorobenzene	6.113	96	59115	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	21960	1.029	ug/l	0.00
Spiked Amount 1.000			Recovery	=	103.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	21873	1.021	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	39840	1.864	ug/l	98
3) Chloromethane	1.515	50	39056	1.794	ug/l	99
4) Vinyl Chloride	1.602	62	42548	1.850	ug/l	100
5) Bromomethane	1.853	94	34257	1.758	ug/l	93
6) Chloroethane	1.930	64	27247	1.853	ug/l	100
7) Trichlorofluoromethane	2.136	101	58713	1.704	ug/l	99
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	29924	1.753	ug/l	98
9) 1,1-Dichloroethene	2.576	96	27861	1.784	ug/l	86
10) Iodomethane	2.718	142	31522	1.990	ug/l	93
11) Allyl Chloride	2.920	41	32873	1.865	ug/l	85
12) Acrylonitrile	3.325	53	9987m	3.292	ug/l	
13) Acetone	2.624	43	46681	7.845	ug/l	98
14) Carbon Disulfide	2.792	76	86676	1.810	ug/l	99
15) Methylene Chloride	3.042	84	31648	0.858	ug/l	99
16) trans-1,2-Dichloroethene	3.351	96	31332	1.942	ug/l	95
17) 1,1-Dichloroethane	3.869	63	60512	2.055	ug/l	99
18) 2-Butanone	4.708	43	51776	8.550	ug/l	98
19) Cyclohexane	5.383	56	44161	1.821	ug/l	89
20) Methylcyclohexane	6.763	83	54302	1.792	ug/l	95
21) 2,2-Dichloropropane	4.660	77	49450	1.961	ug/l	98
22) cis-1,2-Dichloroethene	4.666	96	38374	2.188	ug/l	99
23) Diethyl Ether	2.374	59	22450	1.811	ug/l	95
24) tert-Butyl Alcohol	3.190	59	15807	14.028	ug/l #	1
25) Methyl tert-Butyl Ether	3.361	73	57670	1.666	ug/l	94
26) Bromochloromethane	4.972	128	15688	2.220	ug/l	97
27) Chloroform	5.084	83	65911	2.156	ug/l	99
28) 1,1,1-Trichloroethane	5.312	97	54668	2.074	ug/l	98
29) 1,1-Dichloropropene	5.525	75	46340	2.032	ug/l	96
30) Carbon Tetrachloride	5.525	117	48326	2.304	ug/l	97
31) Isopropyl Ether	3.988	45	78195	1.930	ug/l	97
32) Ethyl-t-butyl ether	4.496	59	73663	1.770	ug/l	95
33) Tert-Amyl methyl ether	5.939	73	64256	1.736	ug/l	96
34) Propionitrile	4.792	54	8783	8.603	ug/l #	13
35) Benzene	5.772	78	135933	2.037	ug/l	99
36) 1,2-Dichloroethane	5.792	62	38230	1.995	ug/l	99
37) Trichloroethene	6.541	130	39527	2.356	ug/l	93
38) 1,2-Dichloropropane	6.788	63	36381	2.128	ug/l	99
39) Methacrylonitrile	4.981	41	7139	1.713	ug/l	91
40) Methyl acrylate	4.859	55	10497	1.389	ug/l #	96
41) Tetrahydrofuran	5.062	42	7680	3.530	ug/l	94
42) 1-Chlorobutane	5.457	56	58329	1.923	ug/l	97
43) Dibromomethane	6.917	93	17167	2.108	ug/l	95
44) Bromodichloromethane	7.103	83	42306	2.077	ug/l	99

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 ALS Vial : 4 Sample Multiplier: 1

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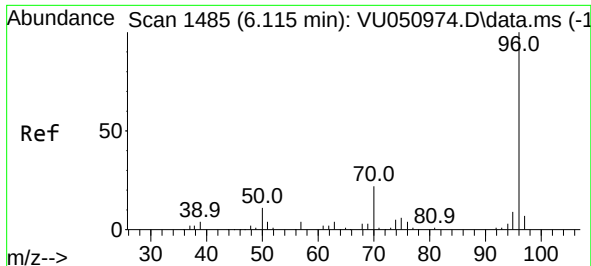
Manual Integrations
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 Supervised By : Mahesh Dadoda 09/12/2023

Quant Time: Sep 11 10:27:19 2023
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Sep 11 10:15:18 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	78199	9.256	ug/l	99
46) t-1,4-Dichloro-2-butene	10.833	75	10350m	2.235	ug/l	
47) Methyl methacrylate	6.962	69	24963	3.334	ug/l	95
48) Ethyl methacrylate	8.335	69	23884	1.645	ug/l	99
49) Toluene	7.968	92	82131	2.008	ug/l	97
50) t-1,3-Dichloropropene	8.209	75	35240	1.868	ug/l	99
51) cis-1,3-Dichloropropene	7.608	75	44169	1.891	ug/l	98
52) 1,1,2-Trichloroethane	8.396	97	23765	2.012	ug/l	96
53) 1,3-Dichloropropane	8.576	76	39740	1.951	ug/l	98
54) 2-Hexanone	8.685	43	79022	8.915	ug/l	100
55) Dibromochloromethane	8.807	129	24925	2.073	ug/l	96
56) 1,2-Dibromoethane	8.923	107	20737	1.906	ug/l	92
58) Tetrachloroethene	8.550	164	41936	2.673	ug/l	94
59) Chlorobenzene	9.447	112	91410	2.030	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.531	131	30683	2.242	ug/l	96
61) Pentachloroethane	11.422	117	14288	1.486	ug/l #	83
62) Hexachloroethane	12.473	117	21448	1.939	ug/l	97
63) Ethyl Benzene	9.570	91	148724	1.884	ug/l	98
64) m/p-Xylenes	9.692	106	117280	3.885	ug/l	96
65) o-Xylene	10.100	106	54491	1.844	ug/l	93
66) Styrene	10.113	104	87204	1.920	ug/l	98
67) Bromoform	10.290	173	12673	2.240	ug/l	99
69) Isopropylbenzene	10.483	105	148081	1.914	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.778	83	25070	1.763	ug/l	93
71) 1,2,3-Trichloropropane	10.823	75	20526m	1.912	ug/l	
72) Bromobenzene	10.782	156	34466	2.127	ug/l	87
73) n-propylbenzene	10.904	120	40392	1.977	ug/l	96
74) 2-Chlorotoluene	10.984	126	36735	2.079	ug/l	96
75) 1,3,5-Trimethylbenzene	11.087	105	124165	1.912	ug/l	99
76) 4-Chlorotoluene	11.097	126	38188	2.082	ug/l	94
77) tert-Butylbenzene	11.418	119	112540	1.869	ug/l	97
78) 1,2,4-Trimethylbenzene	11.467	105	127724	1.931	ug/l	100
79) sec-Butylbenzene	11.640	105	163108	1.881	ug/l	99
80) Nitrobenzene	13.212	77	2392	6.697	ug/l #	78
81) p-Isopropyltoluene	11.791	119	127950	1.878	ug/l	98
82) 1,3-Dichlorobenzene	11.746	146	73326	2.123	ug/l	97
83) 1,4-Dichlorobenzene	11.836	146	71871	2.056	ug/l	98
84) n-Butylbenzene	12.209	91	113770	1.690	ug/l	99
85) 1,2-Dichlorobenzene	12.213	146	67588	2.065	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.000	75	3716	1.721	ug/l	92
87) 1,2,4-Trichlorobenzene	13.839	180	35301	1.849	ug/l	95
88) Hexachlorobutadiene	14.020	225	23965	2.625	ug/l	98
89) Naphthalene	14.087	128	50151	1.306	ug/l	98
90) 1,2,3-Trichlorobenzene	14.328	180	32008	1.946	ug/l	97

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



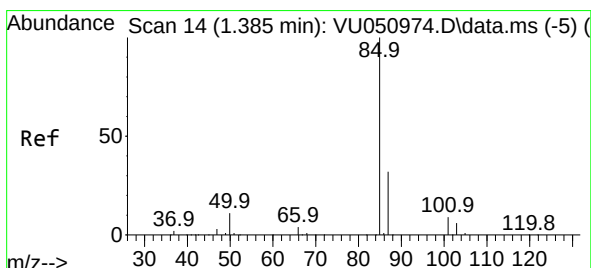
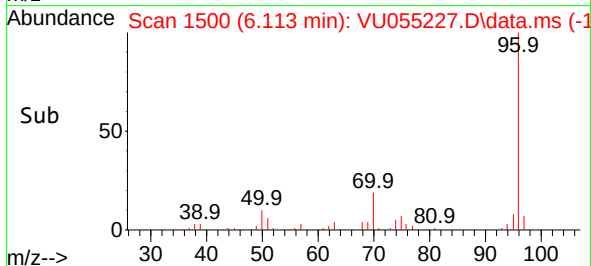
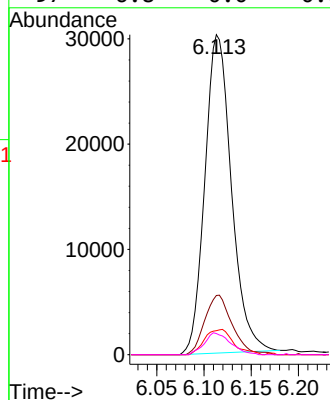
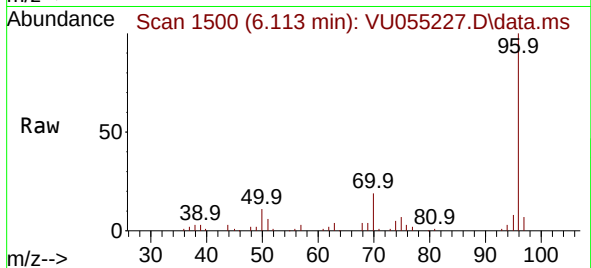
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Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 11
Delta R.T. -0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion: 96	Resp: 5911
Ion Ratio	Lower Upper
96 100	
70 19.3	16.5 24.7
95 8.6	7.4 11.0
97 6.8	0.0 0.0

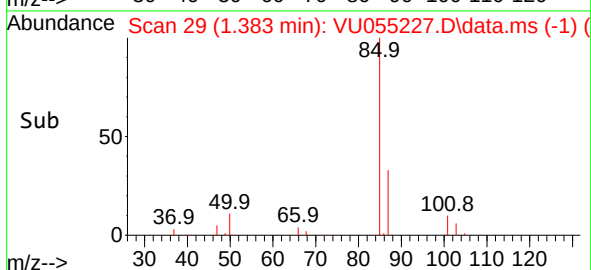
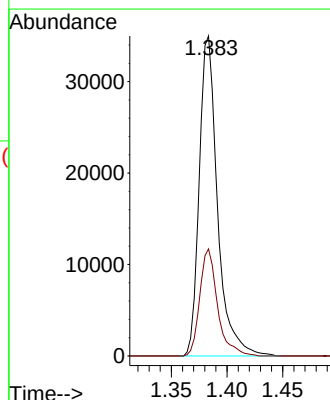
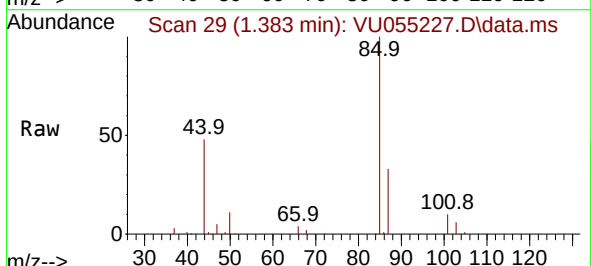
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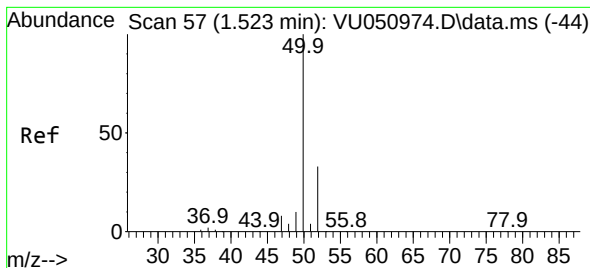
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#2
Dichlorodifluoromethane
Concen: 1.864 ug/l
RT: 1.383 min Scan# 29
Delta R.T. -0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Tgt Ion: 85	Resp: 39840
Ion Ratio	Lower Upper
85 100	
87 33.4	16.2 48.6





#3

Chloromethane

Concen: 1.794 ug/l

RT: 1.515 min Scan# 70

Delta R.T. -0.008 min

Lab File: VU055227.D

Acq: 11 Sep 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC002

Tgt Ion: 50 Resp: 3905

Ion Ratio Lower Upper

50 100

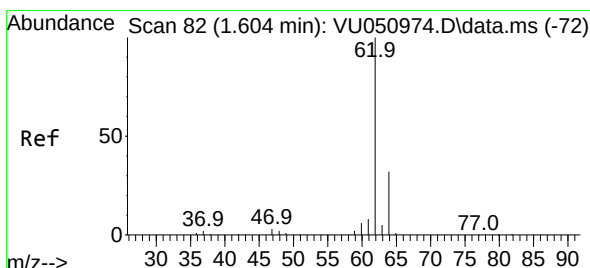
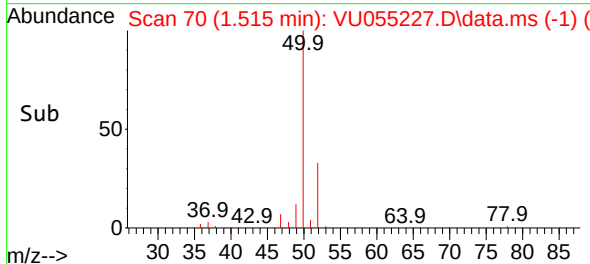
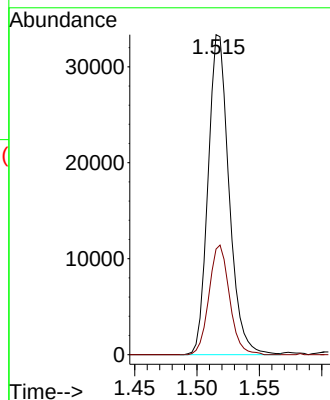
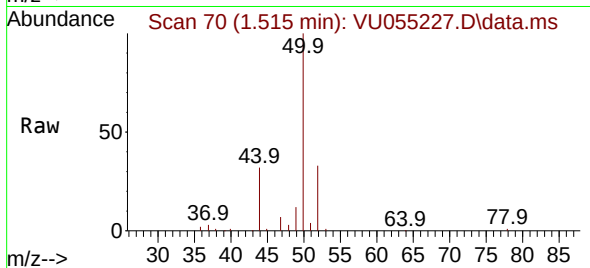
52 33.0 26.6 40.0

Manual Integrations

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Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#4

Vinyl Chloride

Concen: 1.850 ug/l

RT: 1.602 min Scan# 97

Delta R.T. -0.002 min

Lab File: VU055227.D

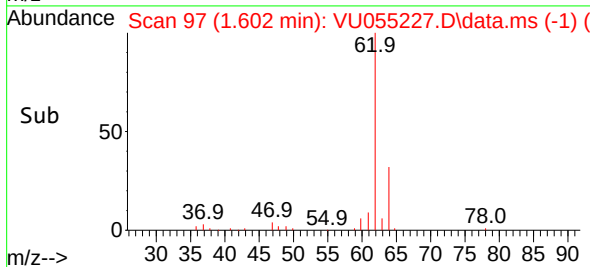
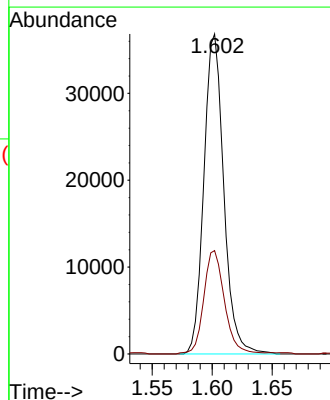
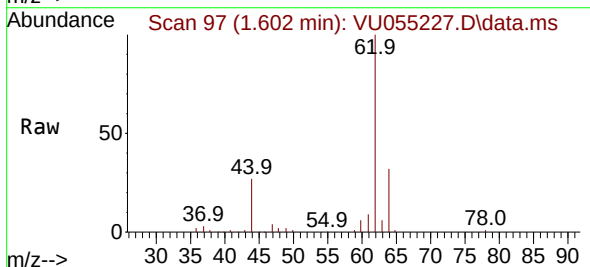
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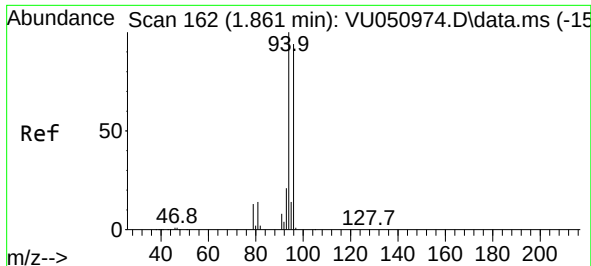
Tgt Ion: 62 Resp: 42548

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.2





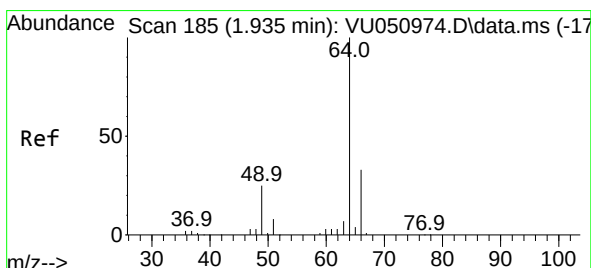
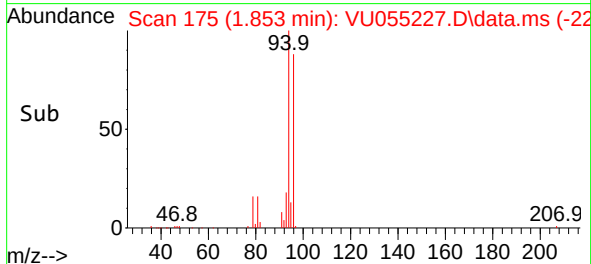
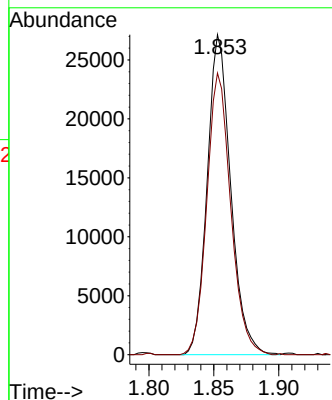
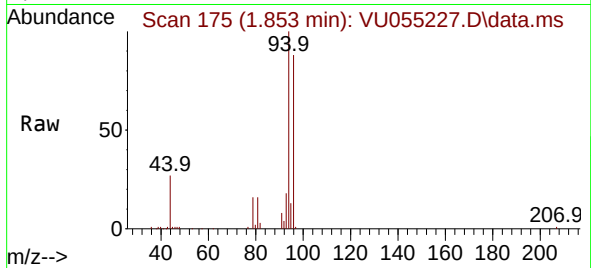
#5
Bromomethane
Concen: 1.758 ug/l
RT: 1.853 min Scan# 11
Delta R.T. -0.008 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion: 94 Resp: 3425
Ion Ratio Lower Upper
94 100
96 88.0 75.4 113.2

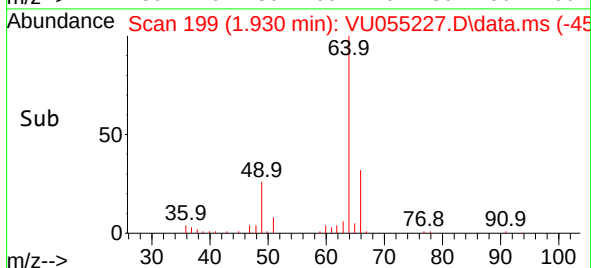
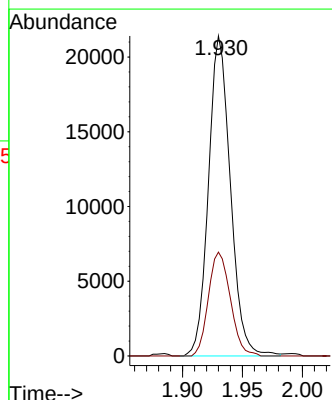
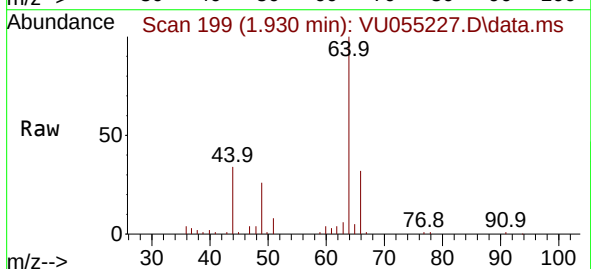
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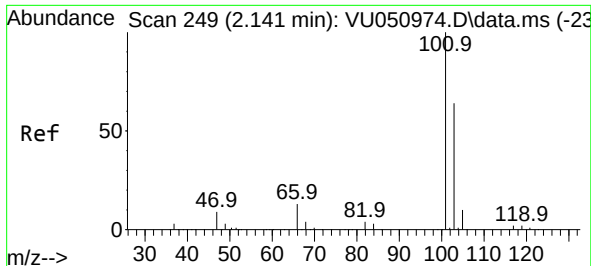
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#6
Chloroethane
Concen: 1.853 ug/l
RT: 1.930 min Scan# 199
Delta R.T. -0.005 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

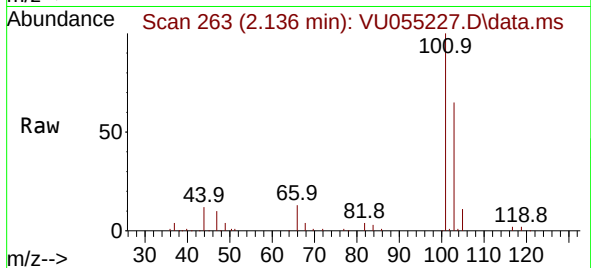
Tgt Ion: 64 Resp: 27247
Ion Ratio Lower Upper
64 100
66 32.5 26.0 39.0





#7
 Trichlorofluoromethane
 Concen: 1.704 ug/l
 RT: 2.136 min Scan# 20
 Delta R.T. -0.005 min
 Lab File: VU055227.D
 Acq: 11 Sep 2023 10:03

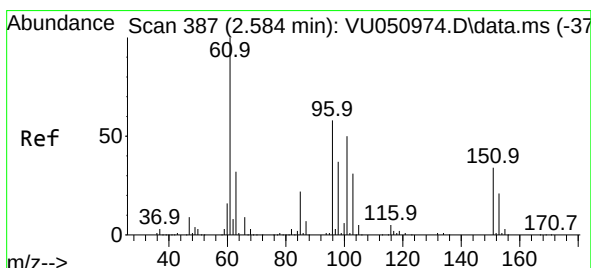
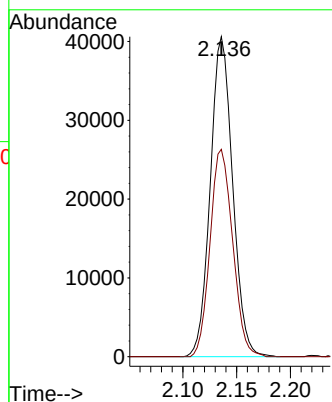
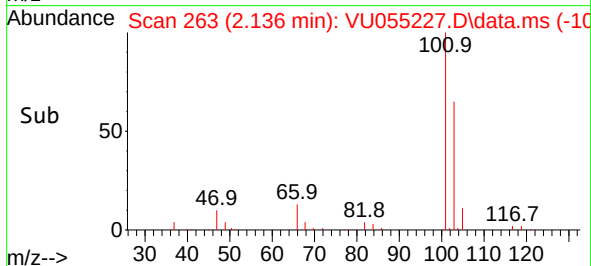
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC002



Tgt Ion:101 Resp: 5871
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.4 77.0

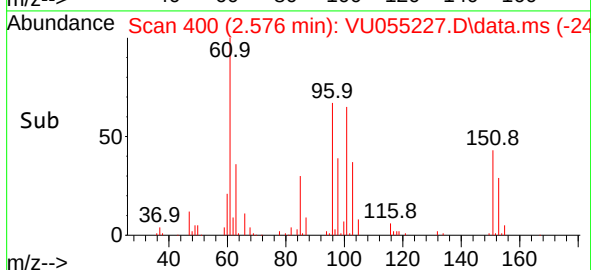
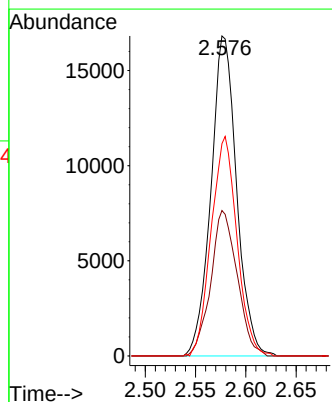
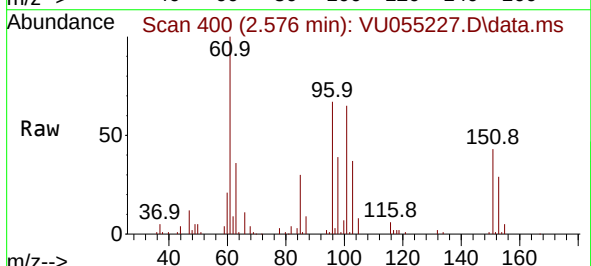
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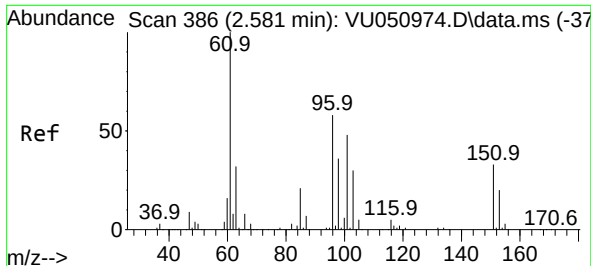
Reviewed By :John Carlone 09/12/2023
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#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.753 ug/l
 RT: 2.576 min Scan# 400
 Delta R.T. -0.008 min
 Lab File: VU055227.D
 Acq: 11 Sep 2023 10:03

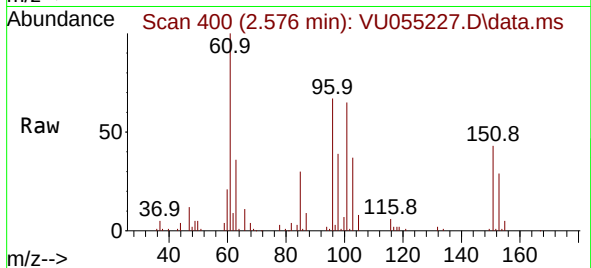
Tgt Ion:101 Resp: 29924
 Ion Ratio Lower Upper
 101 100
 85 46.6 35.4 53.0
 151 68.9 54.0 81.0





#9
1,1-Dichloroethene
Concen: 1.784 ug/l
RT: 2.576 min Scan# 400
Delta R.T. -0.005 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

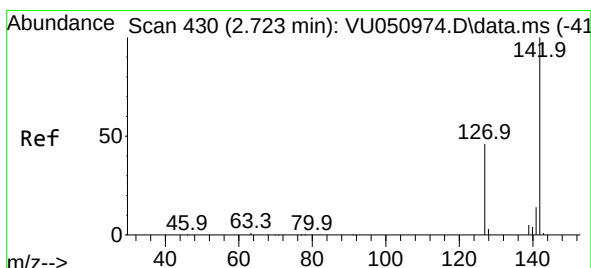
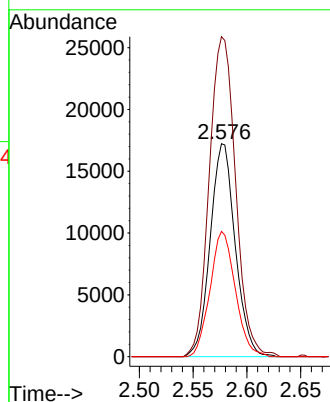
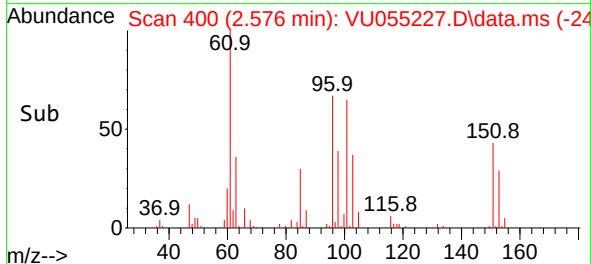
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002



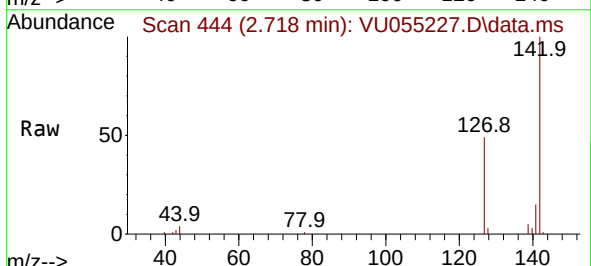
Tgt Ion: 96 Resp: 2786
Ion Ratio Lower Upper
96 100
61 150.2 0.0 521.4
98 58.8 0.0 125.8

Manual Integrations
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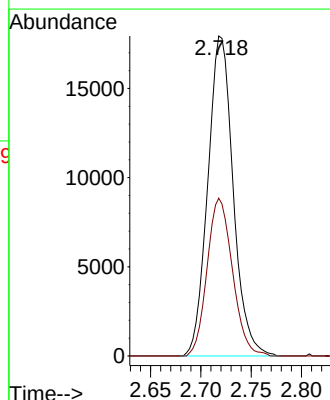
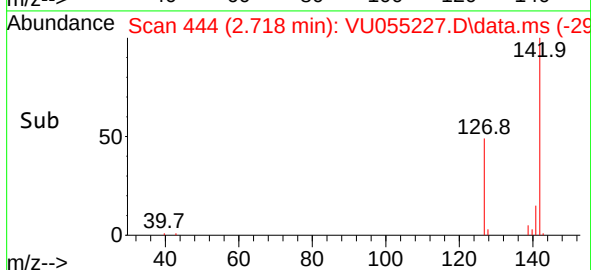
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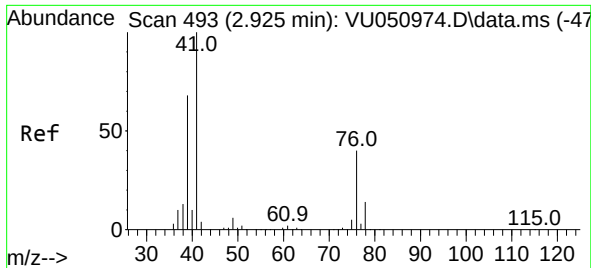


#10
Iodomethane
Concen: 1.990 ug/l
RT: 2.718 min Scan# 444
Delta R.T. -0.005 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03



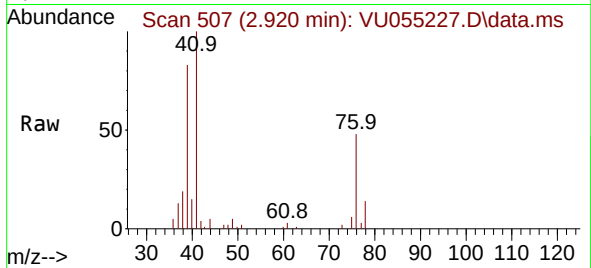
Tgt Ion:142 Resp: 31522
Ion Ratio Lower Upper
142 100
127 49.2 35.9 53.9





#11
 Allyl Chloride
 Concen: 1.865 ug/l
 RT: 2.920 min Scan# 507
 Delta R.T. -0.005 min
 Lab File: VU055227.D
 Acq: 11 Sep 2023 10:03

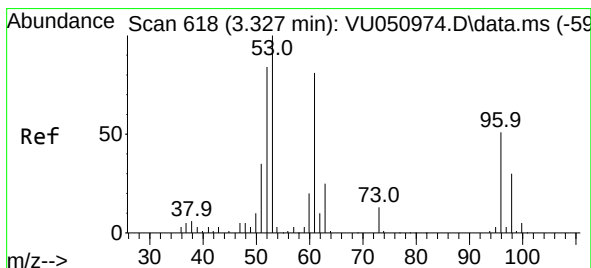
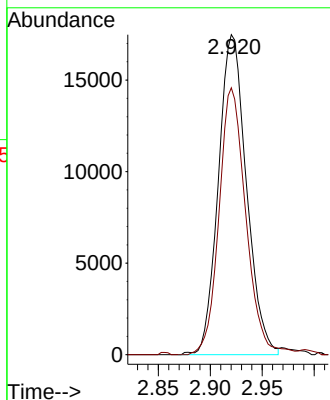
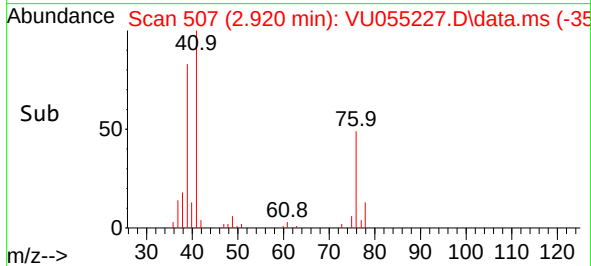
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002



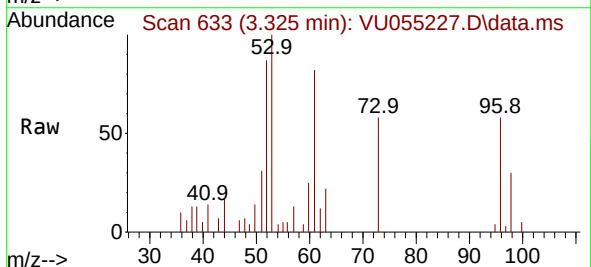
Tgt Ion: 41 Resp: 3287
 Ion Ratio Lower Upper
 41 100
 39 79.7 54.2 81.2

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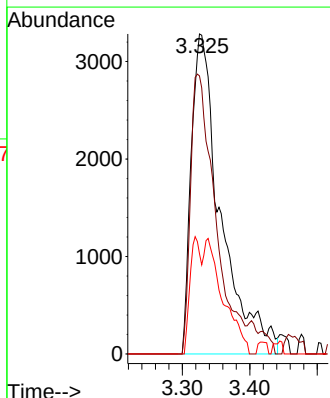
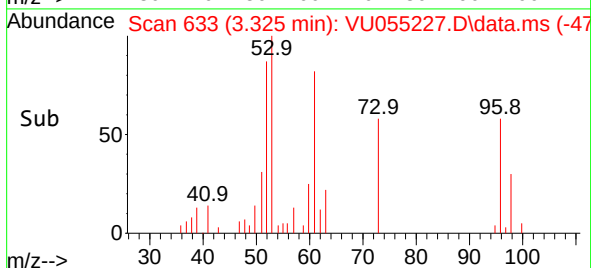
Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023

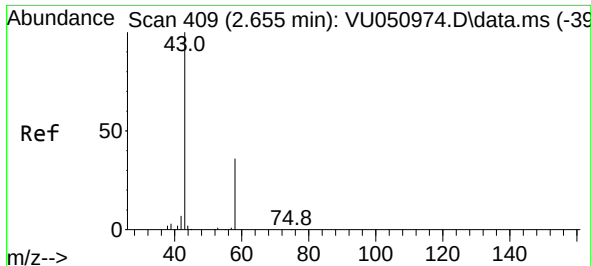


#12
 Acrylonitrile
 Concen: 3.292 ug/l m
 RT: 3.325 min Scan# 633
 Delta R.T. -0.002 min
 Lab File: VU055227.D
 Acq: 11 Sep 2023 10:03



Tgt Ion: 53 Resp: 9987
 Ion Ratio Lower Upper
 53 100
 52 73.1 62.9 94.3
 51 13.7 27.8 41.6#





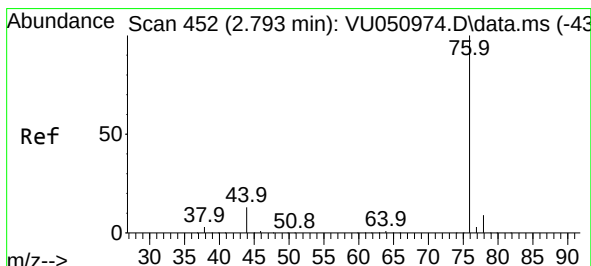
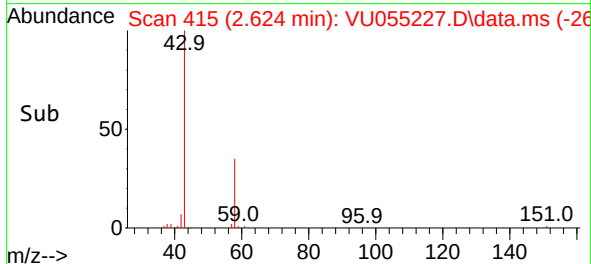
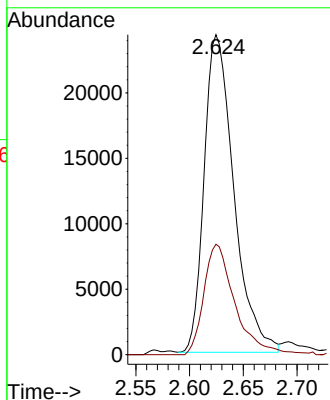
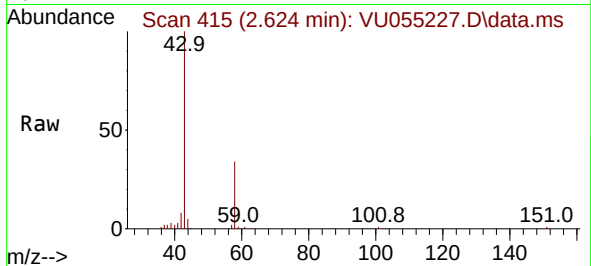
#13
Acetone
Concen: 7.845 ug/l
RT: 2.624 min Scan# 411
Delta R.T. -0.031 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion: 43 Resp: 4668
Ion Ratio Lower Upper
43 100
58 34.8 29.0 43.4

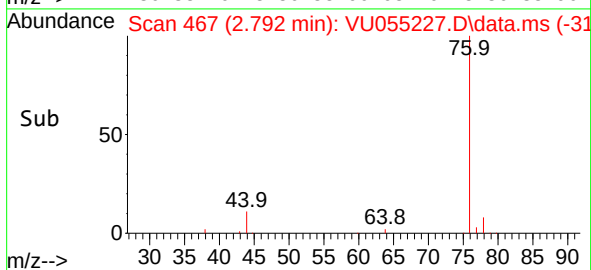
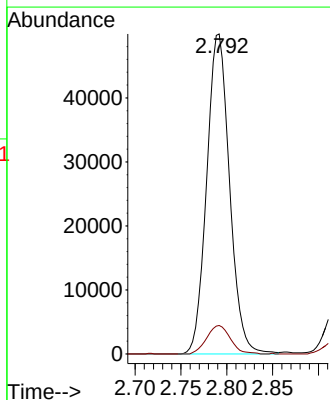
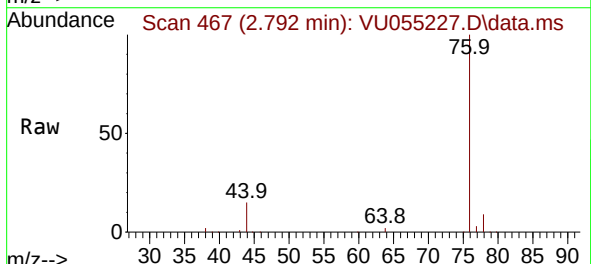
Manual Integrations
APPROVED

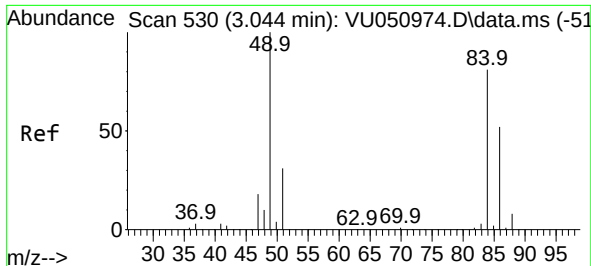
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#14
Carbon Disulfide
Concen: 1.810 ug/l
RT: 2.792 min Scan# 467
Delta R.T. -0.001 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

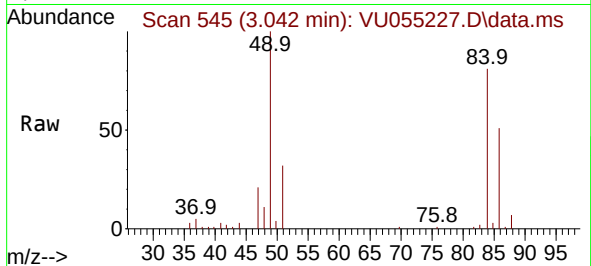
Tgt Ion: 76 Resp: 86676
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0





#15
Methylene Chloride
Concen: 0.858 ug/l
RT: 3.042 min Scan# 54
Delta R.T. -0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

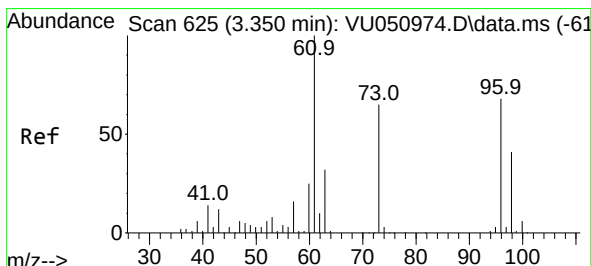
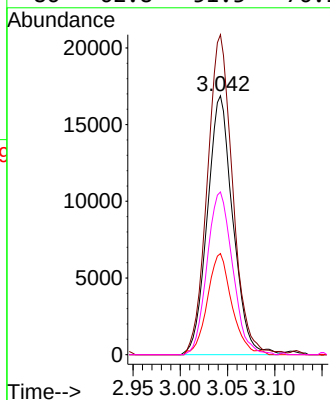
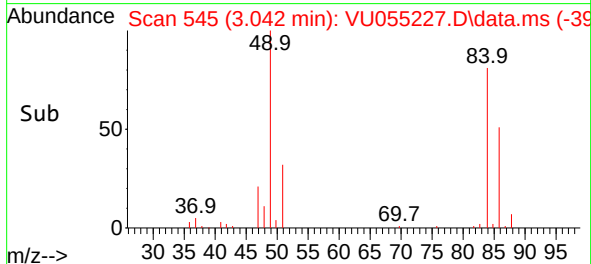
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002



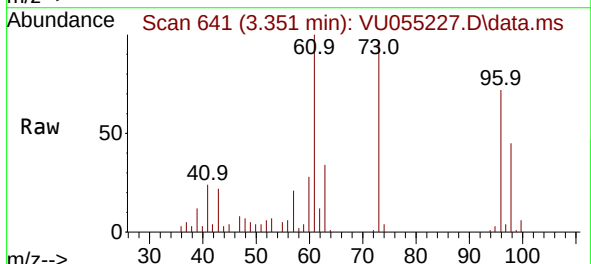
Tgt Ion: 84 Resp: 31648
Ion Ratio Lower Upper
84 100
49 123.6 98.9 148.3
51 39.1 0.0 75.4
86 62.8 51.3 76.9

Manual Integrations
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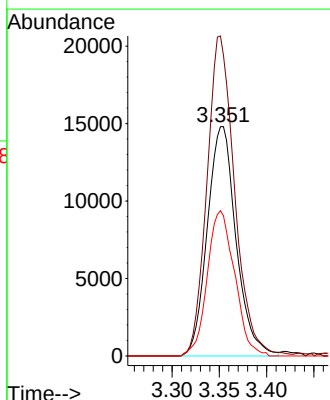
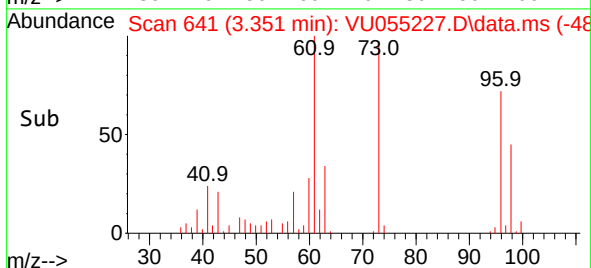
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

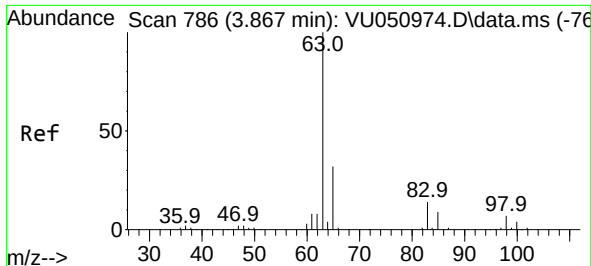


#16
trans-1,2-Dichloroethene
Concen: 1.942 ug/l
RT: 3.351 min Scan# 641
Delta R.T. 0.001 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03



Tgt Ion: 96 Resp: 31332
Ion Ratio Lower Upper
96 100
61 139.5 117.5 176.3
98 63.3 48.3 72.5





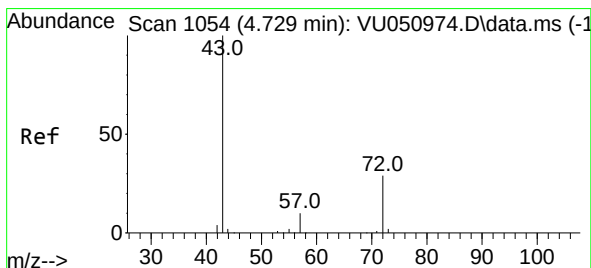
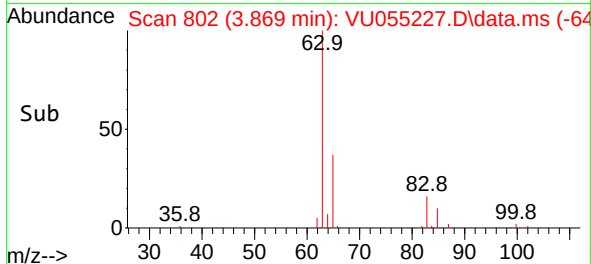
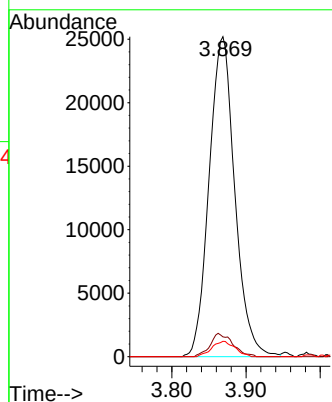
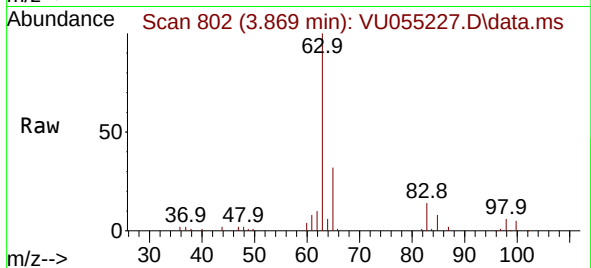
#17
1,1-Dichloroethane
Concen: 2.055 ug/l
RT: 3.869 min Scan# 80
Delta R.T. 0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion: 63 Resp: 6051
Ion Ratio Lower Upper
63 100
98 6.6 3.4 10.1
100 4.8 2.2 6.6

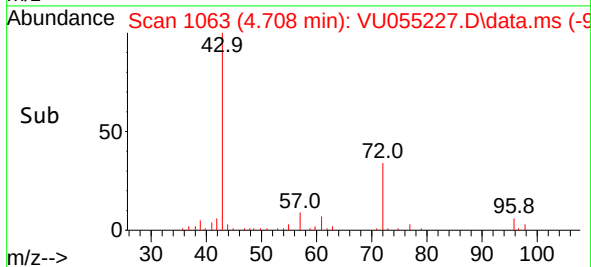
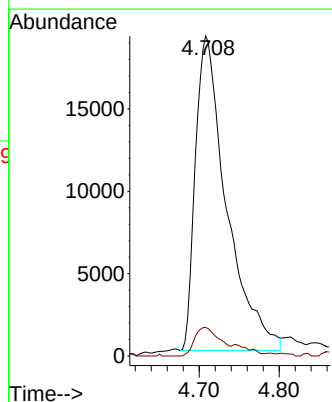
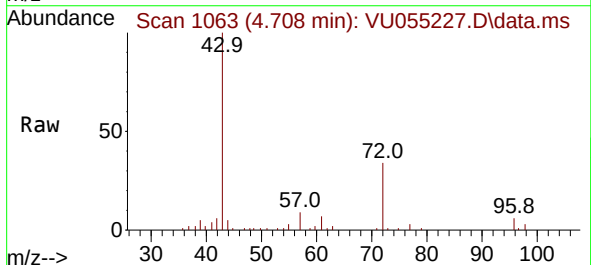
Manual Integrations
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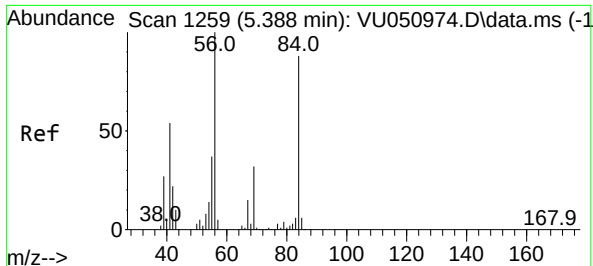
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#18
2-Butanone
Concen: 8.550 ug/l
RT: 4.708 min Scan# 1063
Delta R.T. -0.021 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Tgt Ion: 43 Resp: 51776
Ion Ratio Lower Upper
43 100
57 9.1 0.0 19.6





#19

Cyclohexane

Concen: 1.821 ug/l

RT: 5.383 min Scan# 11

Delta R.T. -0.005 min

Lab File: VU055227.D

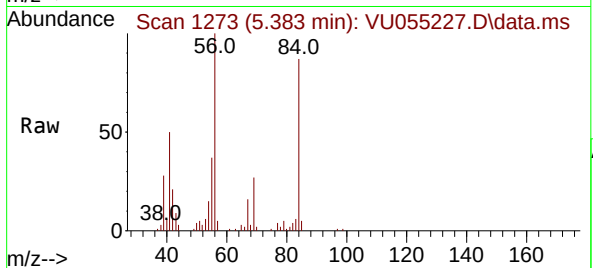
Acq: 11 Sep 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC002



Tgt Ion: 56 Resp: 4416

Ion Ratio Lower Upper

56 100

69 33.8 24.6 37.0

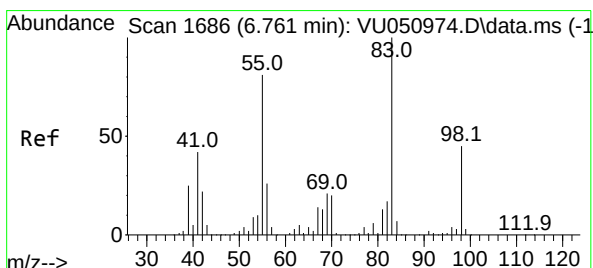
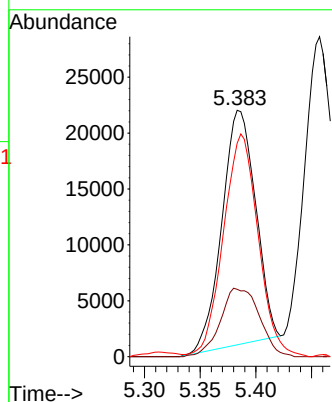
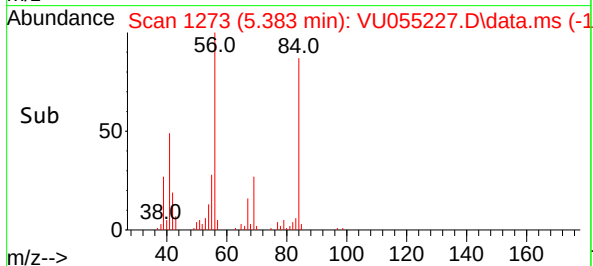
84 96.8 68.4 102.6

Manual Integrations

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Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#20

Methylcyclohexane

Concen: 1.792 ug/l

RT: 6.763 min Scan# 1702

Delta R.T. 0.002 min

Lab File: VU055227.D

Acq: 11 Sep 2023 10:03

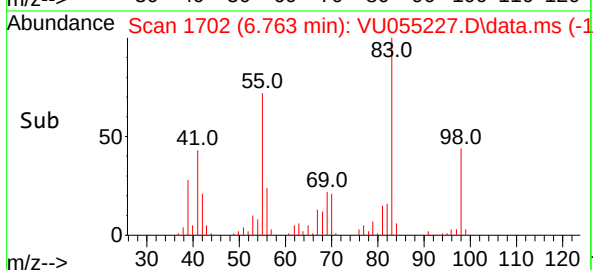
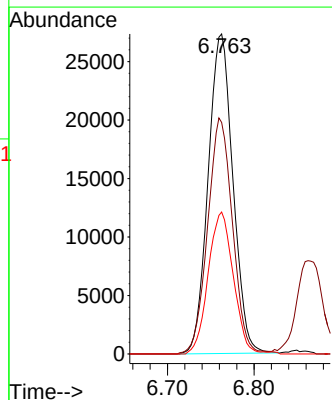
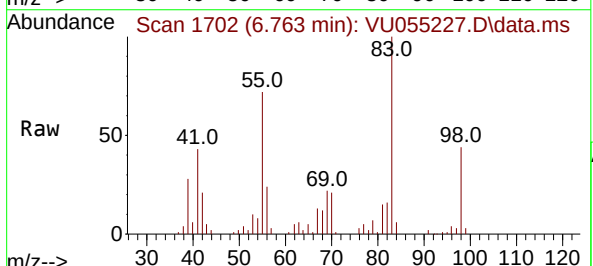
Tgt Ion: 83 Resp: 54302

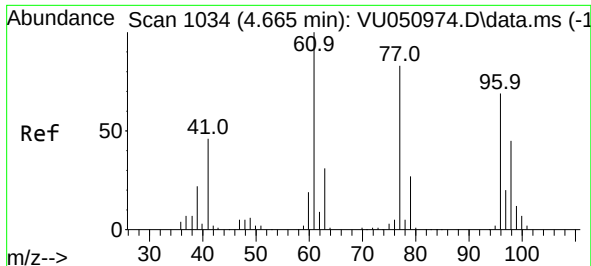
Ion Ratio Lower Upper

83 100

55 72.8 63.5 95.3

98 44.2 36.0 54.0





#21

2,2-Dichloropropane

Concen: 1.961 ug/l

RT: 4.660 min Scan# 1048

Delta R.T. -0.005 min

Lab File: VU055227.D

Acq: 11 Sep 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 77 Resp: 49450

Ion Ratio Lower Upper

77 100

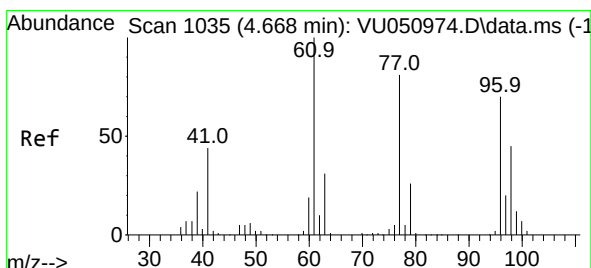
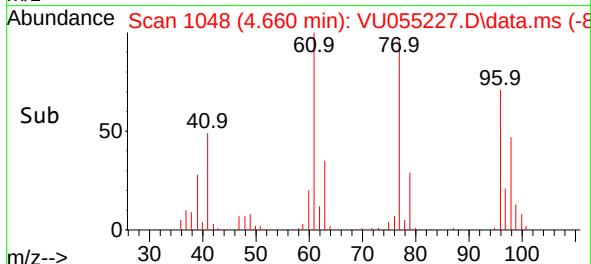
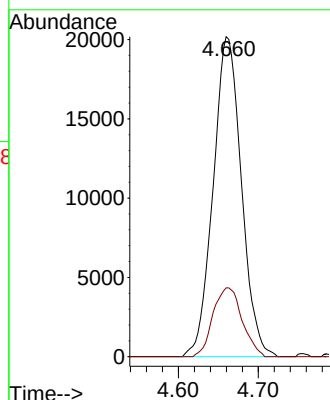
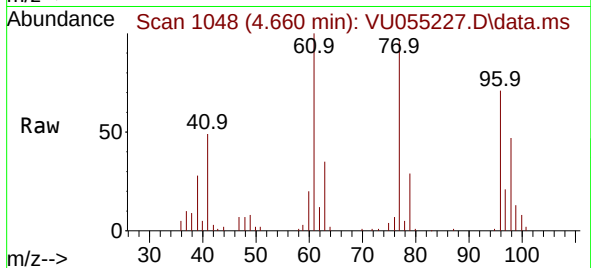
97 22.2 18.4 27.6

Manual Integrations

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Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#22

cis-1,2-Dichloroethene

Concen: 2.188 ug/l

RT: 4.666 min Scan# 1050

Delta R.T. -0.002 min

Lab File: VU055227.D

Acq: 11 Sep 2023 10:03

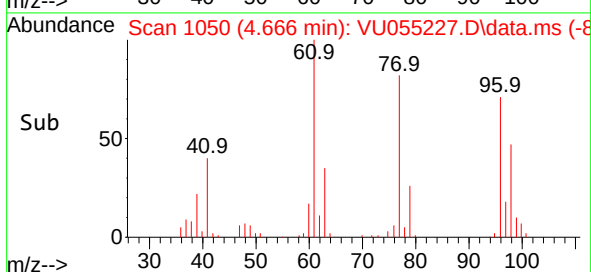
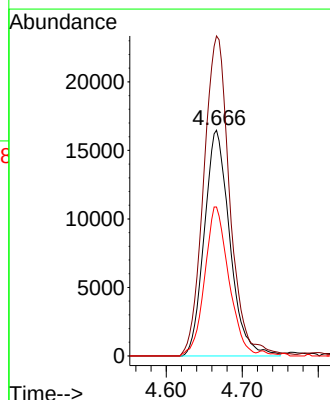
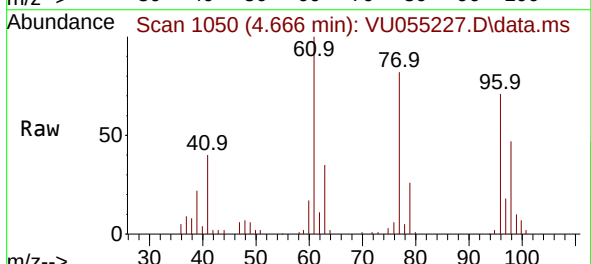
Tgt Ion: 96 Resp: 38374

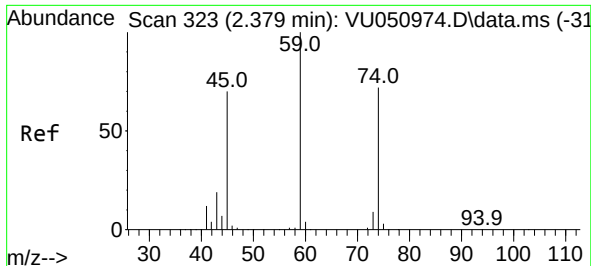
Ion Ratio Lower Upper

96 100

61 145.2 0.0 365.8

98 62.3 32.0 96.0





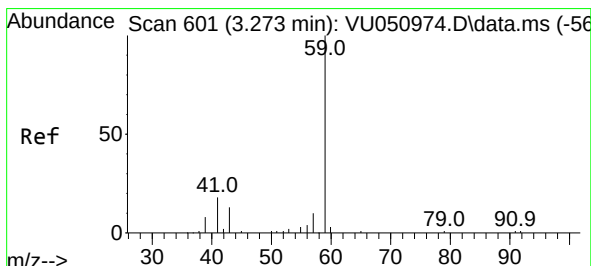
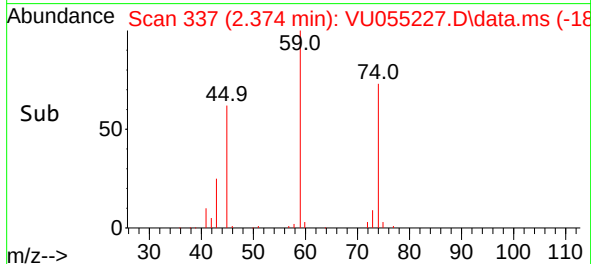
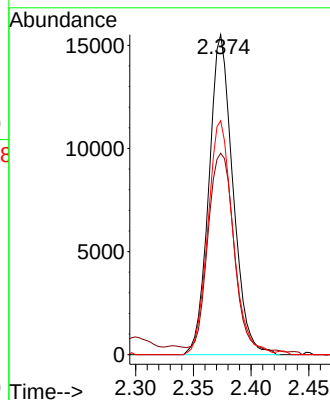
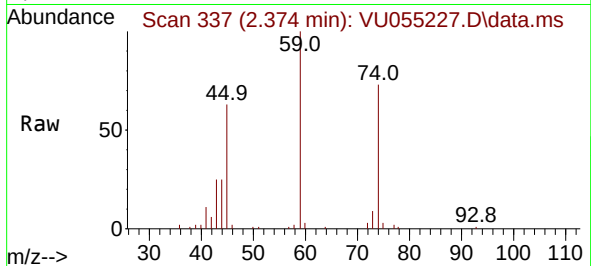
#23
Diethyl Ether
Concen: 1.811 ug/l
RT: 2.374 min Scan# 31
Delta R.T. -0.005 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion: 59 Resp: 22450
Ion Ratio Lower Upper
59 100
45 67.0 56.1 84.1
74 76.1 57.4 86.2

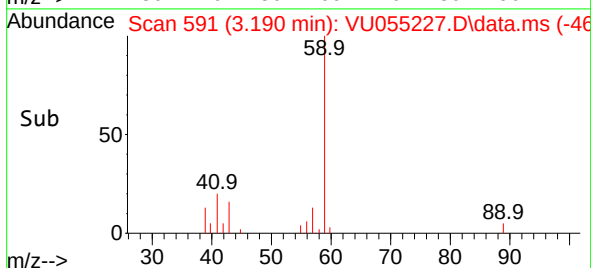
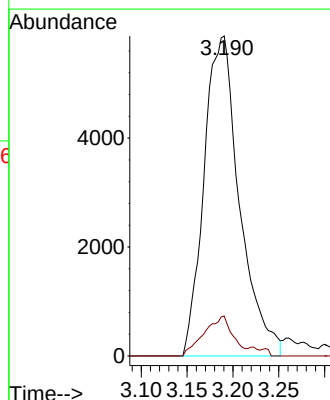
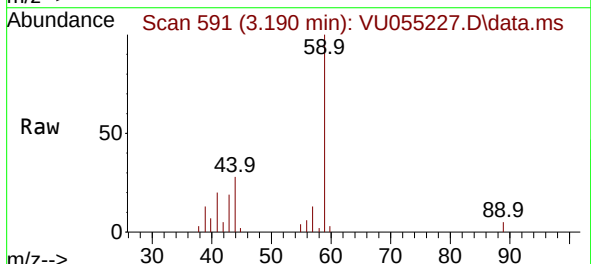
Manual Integrations
APPROVED

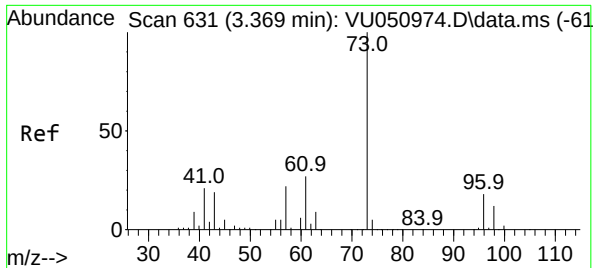
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#24
tert-Butyl Alcohol
Concen: 14.028 ug/l
RT: 3.190 min Scan# 591
Delta R.T. -0.083 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Tgt Ion: 59 Resp: 15807
Ion Ratio Lower Upper
59 100
57 10.2 105.6 158.4#





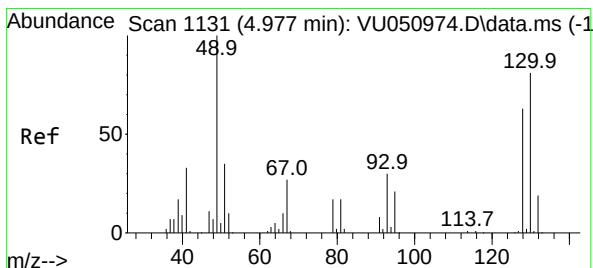
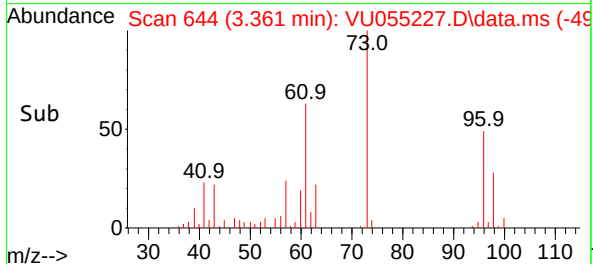
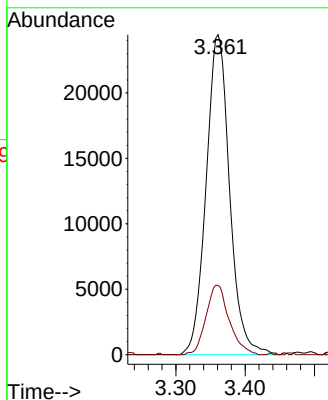
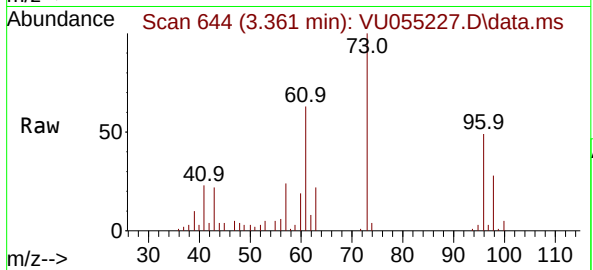
#25
Methyl tert-Butyl Ether
Concen: 1.666 ug/l
RT: 3.361 min Scan# 644
Delta R.T. -0.008 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion: 73 Resp: 57670
Ion Ratio Lower Upper
73 100
43 21.4 15.0 22.6

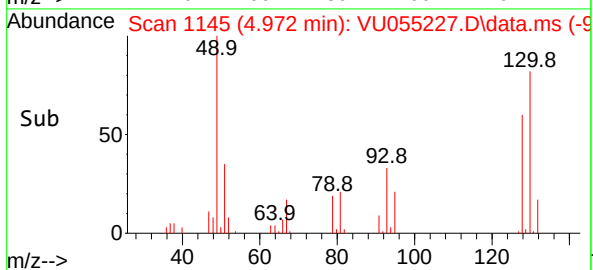
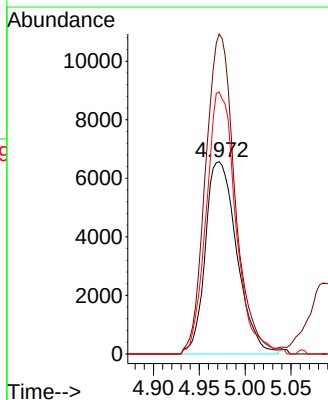
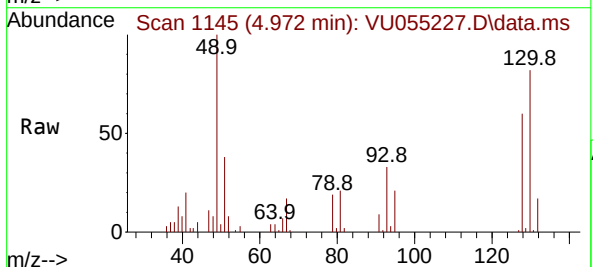
Manual Integrations
APPROVED

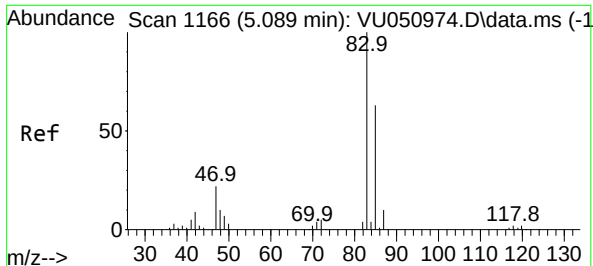
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#26
Bromochloromethane
Concen: 2.220 ug/l
RT: 4.972 min Scan# 1145
Delta R.T. -0.005 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Tgt Ion:128 Resp: 15688
Ion Ratio Lower Upper
128 100
49 155.0 0.0 324.6
130 128.1 103.0 154.4





#27

Chloroform

Concen: 2.156 ug/l

RT: 5.084 min Scan# 1166

Delta R.T. -0.005 min

Lab File: VU055227.D

Acq: 11 Sep 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 83 Resp: 6591

Ion Ratio Lower Upper

83 100

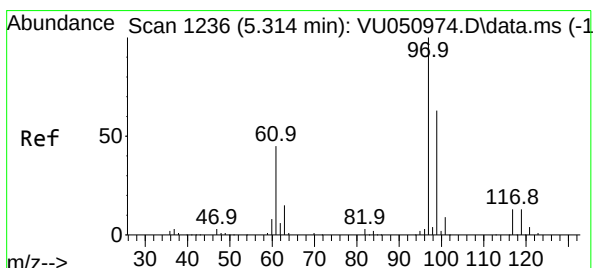
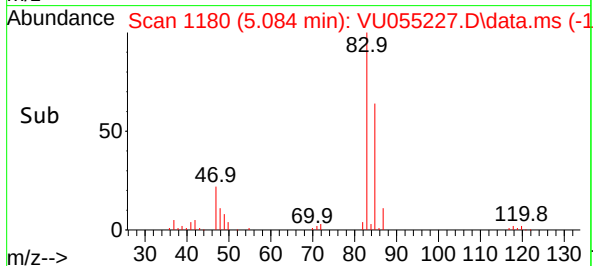
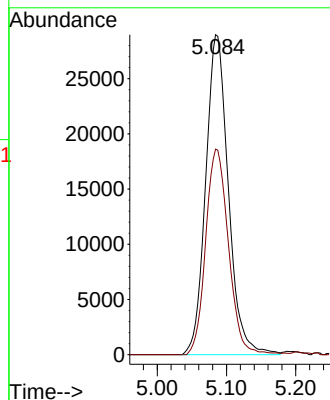
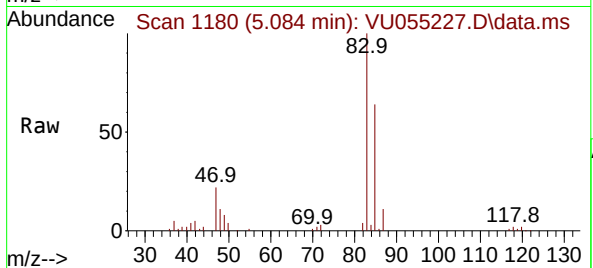
85 64.3 0.0 126.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#28

1,1,1-Trichloroethane

Concen: 2.074 ug/l

RT: 5.312 min Scan# 1251

Delta R.T. -0.002 min

Lab File: VU055227.D

Acq: 11 Sep 2023 10:03

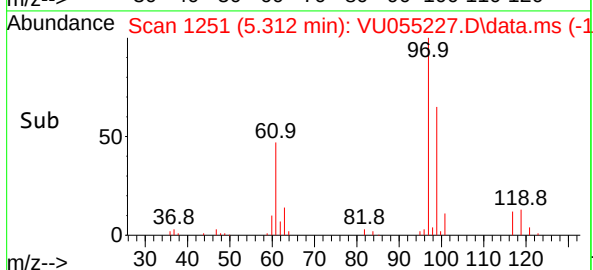
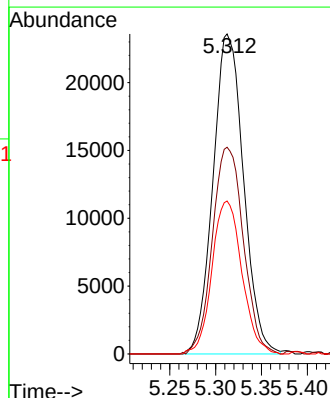
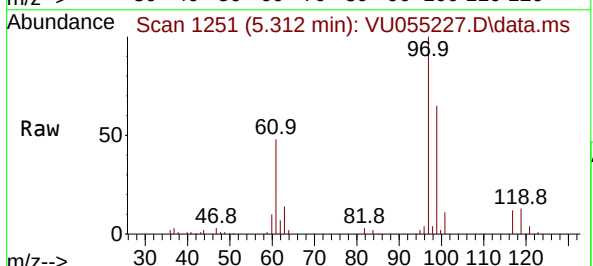
Tgt Ion: 97 Resp: 54668

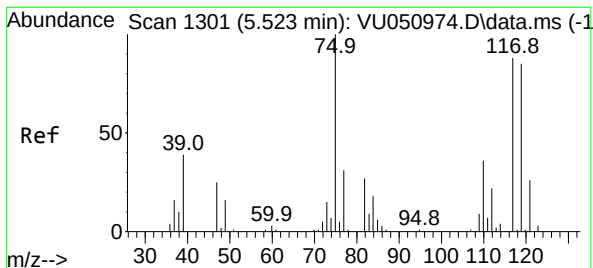
Ion Ratio Lower Upper

97 100

99 65.5 32.0 96.2

61 46.8 22.9 68.5





#29

1,1-Dichloropropene

Concen: 2.032 ug/l

RT: 5.525 min Scan# 11

Delta R.T. 0.002 min

Lab File: VU055227.D

Acq: 11 Sep 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC002

Tgt Ion: 75 Resp: 46340

Ion Ratio Lower Upper

75 100

110 32.5 18.0 54.0

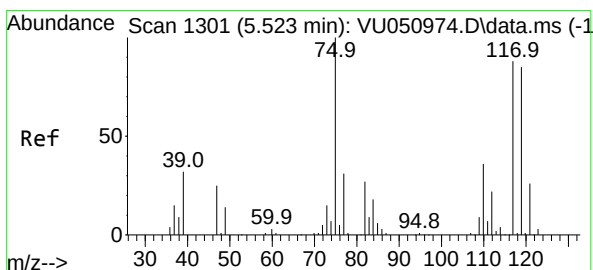
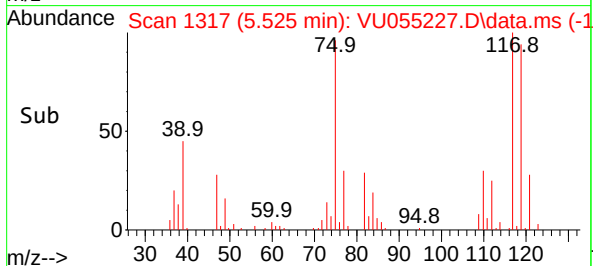
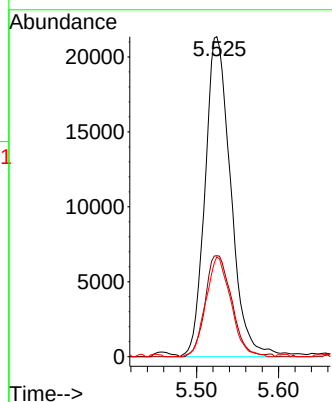
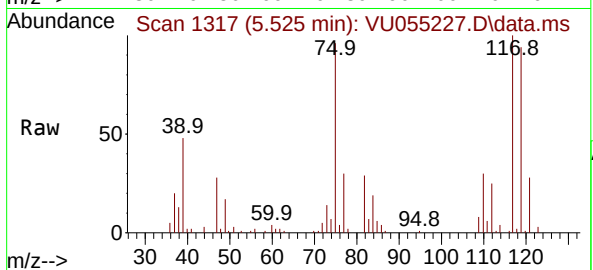
77 30.5 24.7 37.1

Manual Integrations

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Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#30

Carbon Tetrachloride

Concen: 2.304 ug/l

RT: 5.525 min Scan# 1317

Delta R.T. 0.002 min

Lab File: VU055227.D

Acq: 11 Sep 2023 10:03

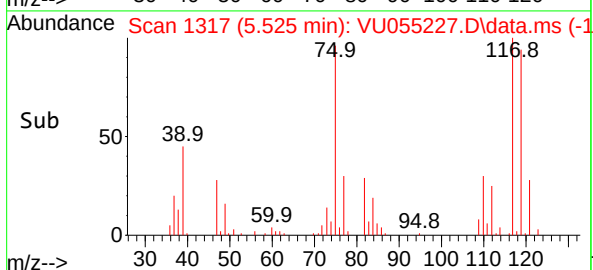
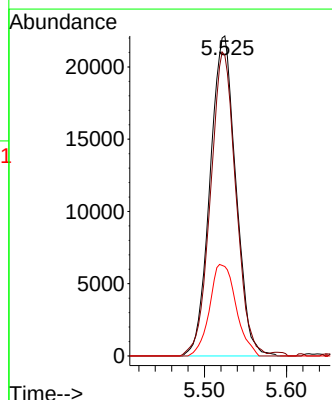
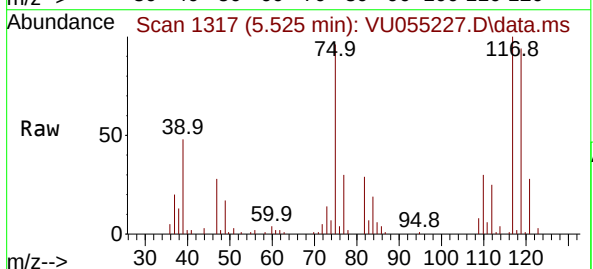
Tgt Ion:117 Resp: 48326

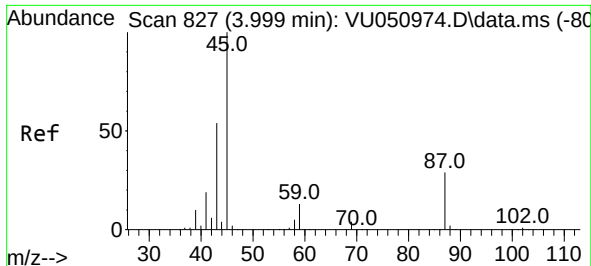
Ion Ratio Lower Upper

117 100

119 94.0 77.4 116.0

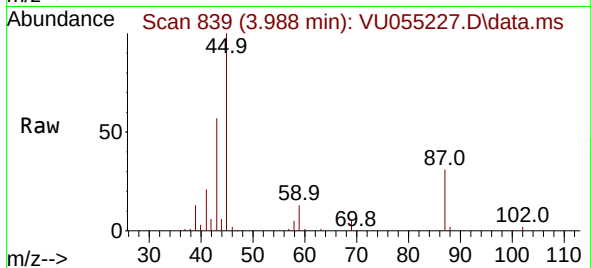
121 27.9 24.0 36.0





#31
Isopropyl Ether
Concen: 1.930 ug/l
RT: 3.988 min Scan# 819
Delta R.T. -0.011 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

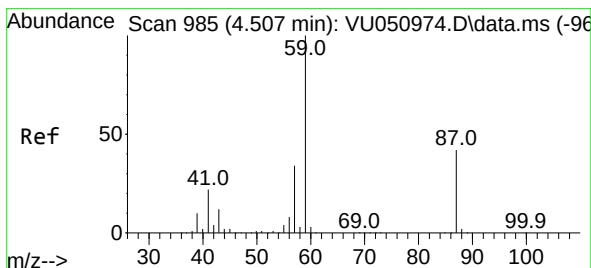
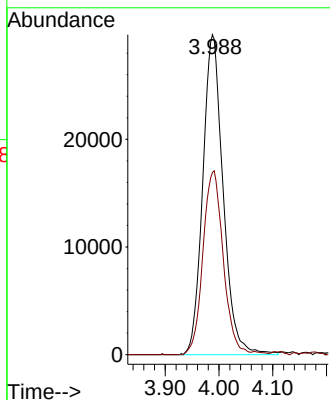
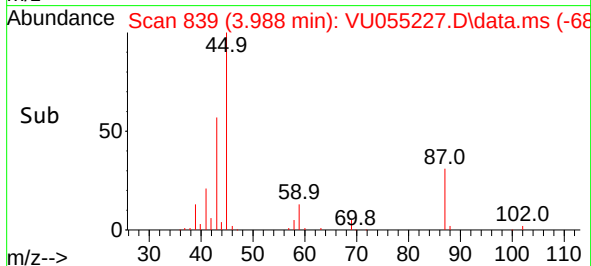
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002



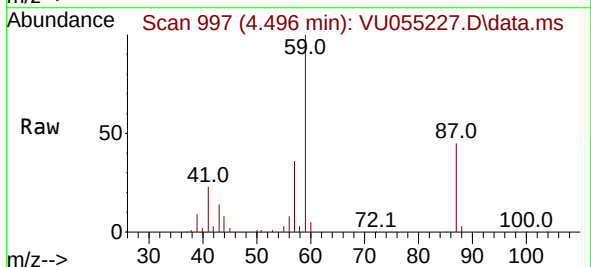
Tgt Ion: 45 Resp: 7819
Ion Ratio Lower Upper
45 100
43 57.2 27.5 82.5

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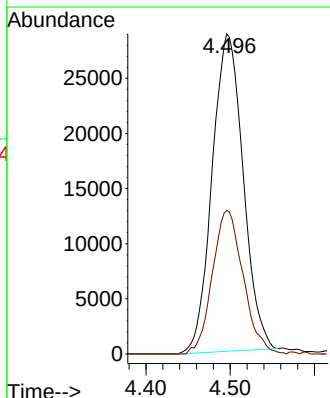
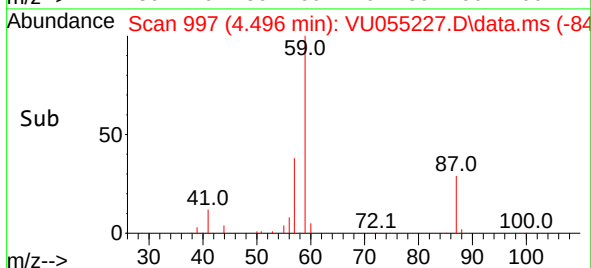
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

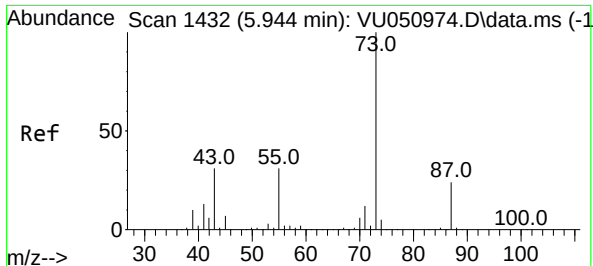


#32
Ethyl-t-butyl ether
Concen: 1.770 ug/l
RT: 4.496 min Scan# 997
Delta R.T. -0.011 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03



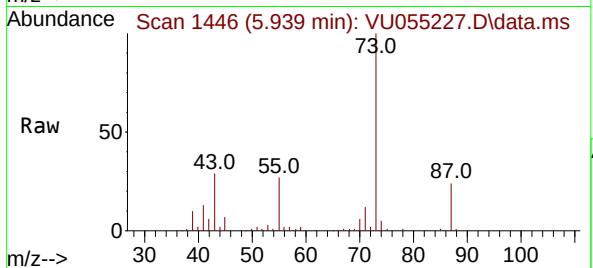
Tgt Ion: 59 Resp: 73663
Ion Ratio Lower Upper
59 100
87 44.8 33.5 50.3





#33
Tert-Amyl methyl ether
Concen: 1.736 ug/l
RT: 5.939 min Scan# 1432
Delta R.T. -0.005 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

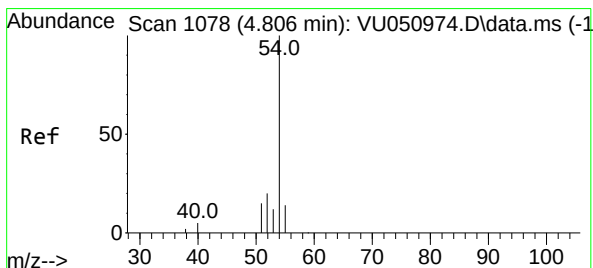
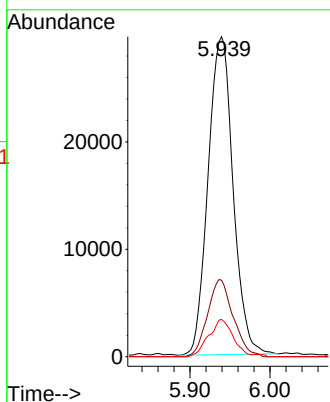
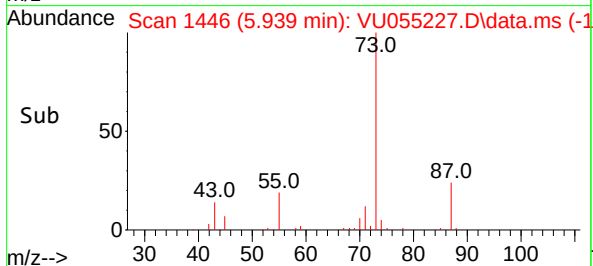
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002



Tgt Ion: 73 Resp: 64250
Ion Ratio Lower Upper
73 100
87 24.8 18.6 28.0
71 10.7 9.9 14.9

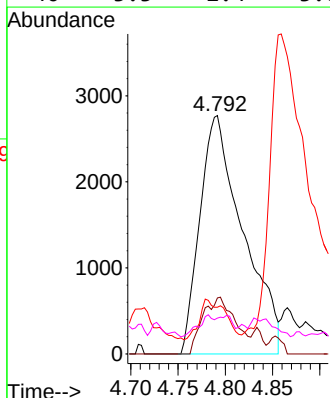
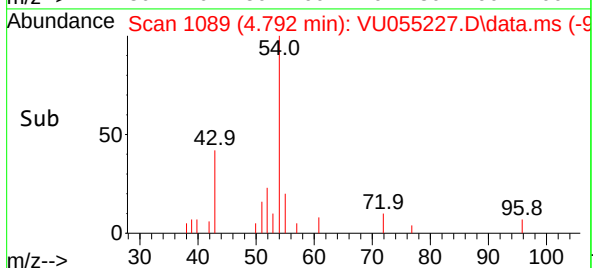
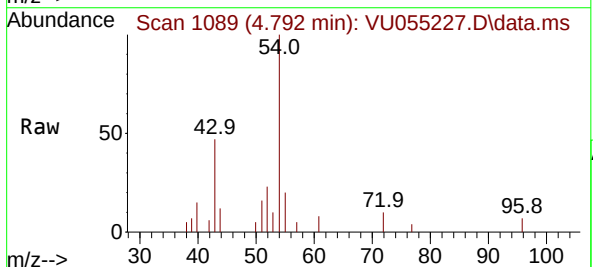
Manual Integrations
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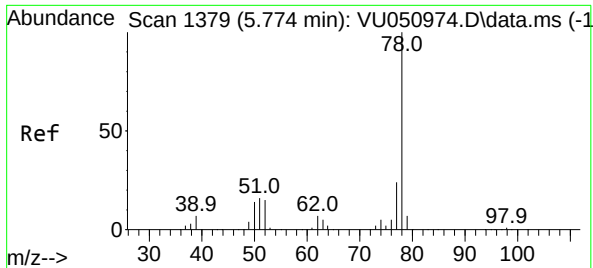
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#34
Propionitrile
Concen: 8.603 ug/l
RT: 4.792 min Scan# 1089
Delta R.T. -0.014 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Tgt Ion: 54 Resp: 8783
Ion Ratio Lower Upper
54 100
52 18.1 17.4 26.0
55 11.5 104.1 156.1#
40 3.3 2.4 3.6





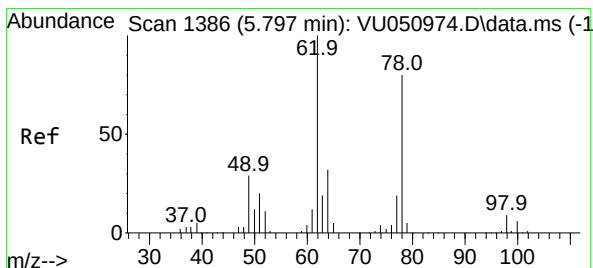
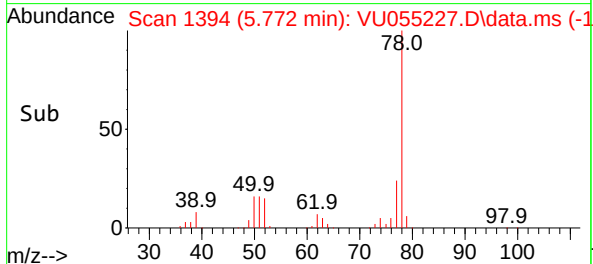
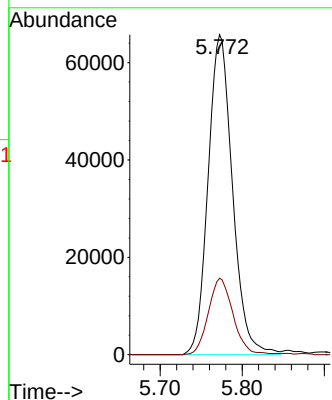
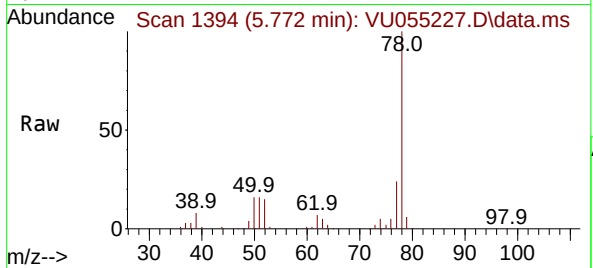
#35
Benzene
Concen: 2.037 ug/l
RT: 5.772 min Scan# 11
Delta R.T. -0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion: 78 Resp: 13593
Ion Ratio Lower Upper
78 100
77 23.9 18.9 28.3

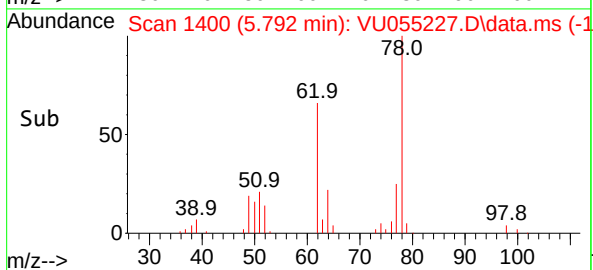
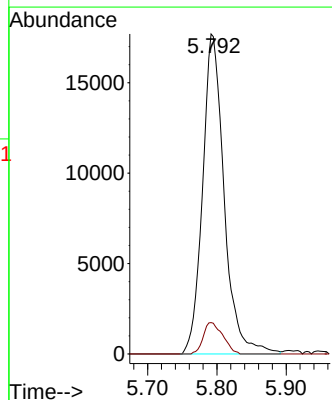
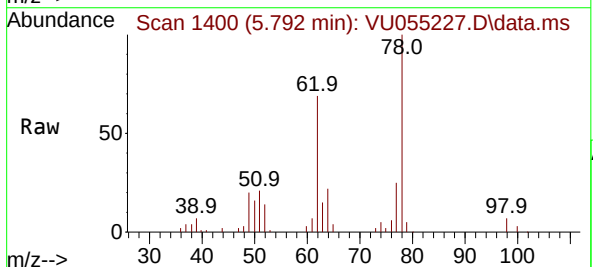
Manual Integrations
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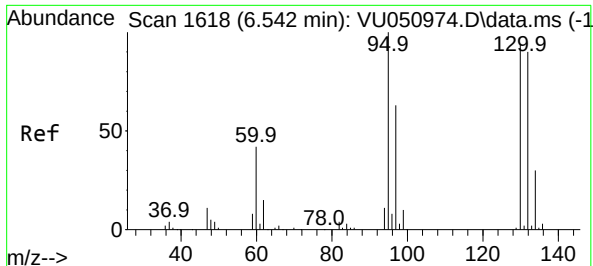
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#36
1,2-Dichloroethane
Concen: 1.995 ug/l
RT: 5.792 min Scan# 1400
Delta R.T. -0.005 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Tgt Ion: 62 Resp: 38230
Ion Ratio Lower Upper
62 100
98 8.9 7.3 10.9





#37

Trichloroethene

Concen: 2.356 ug/l

RT: 6.541 min Scan# 1710

Delta R.T. -0.001 min

Lab File: VU055227.D

Acq: 11 Sep 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC002

Tgt Ion:130 Resp: 3952

Ion Ratio Lower Upper

130 100

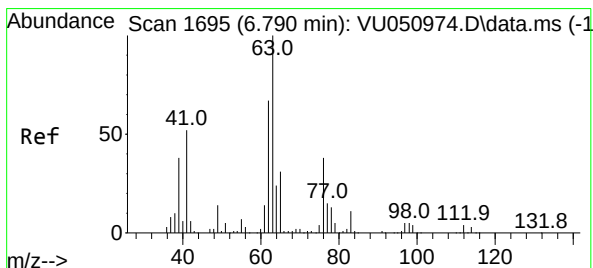
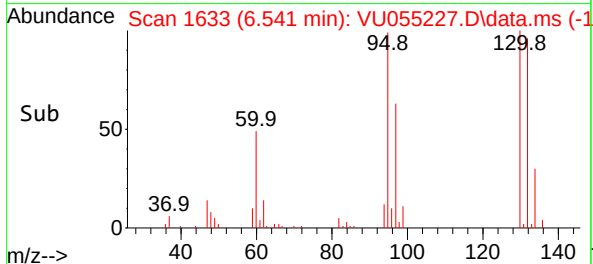
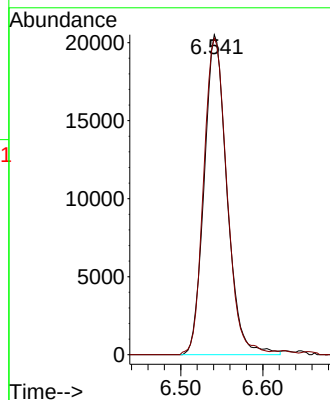
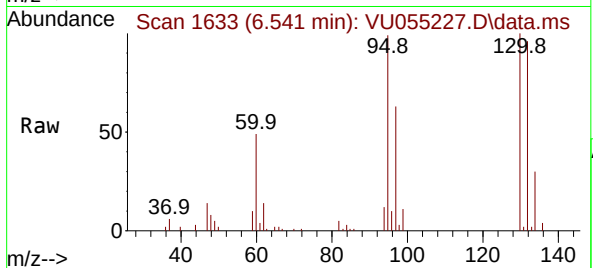
95 98.9 85.0 127.6

Manual Integrations

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Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#38

1,2-Dichloropropane

Concen: 2.128 ug/l

RT: 6.788 min Scan# 1710

Delta R.T. -0.002 min

Lab File: VU055227.D

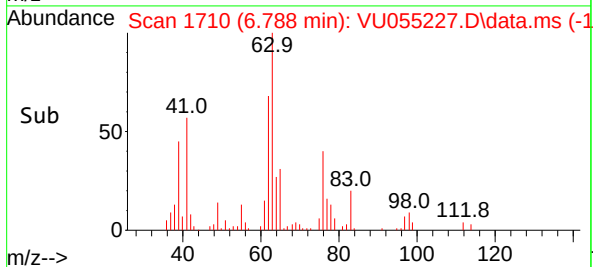
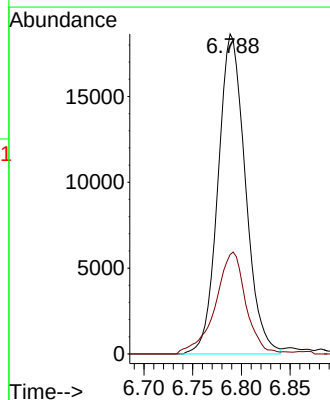
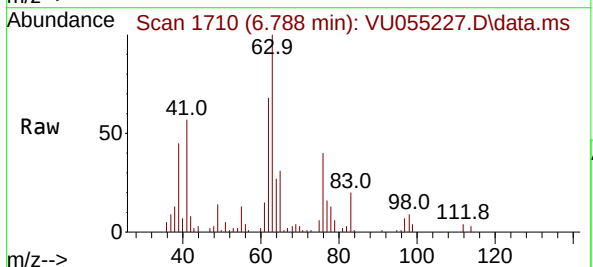
Acq: 11 Sep 2023 10:03

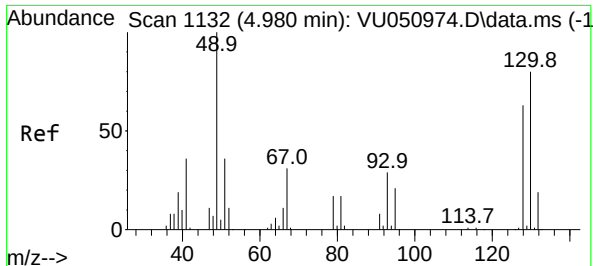
Tgt Ion: 63 Resp: 36381

Ion Ratio Lower Upper

63 100

65 30.4 24.9 37.3





#39

Methacrylonitrile

Concen: 1.713 ug/l

RT: 4.981 min Scan# 1132

Delta R.T. 0.001 min

Lab File: VU055227.D

Acq: 11 Sep 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC002

Tgt Ion: 41 Resp: 7139

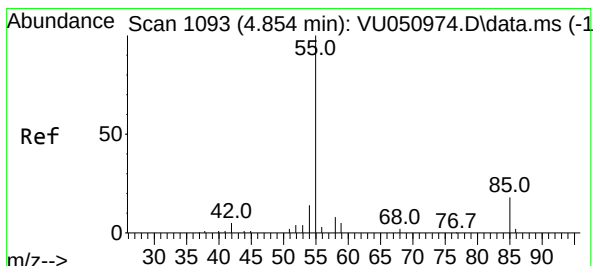
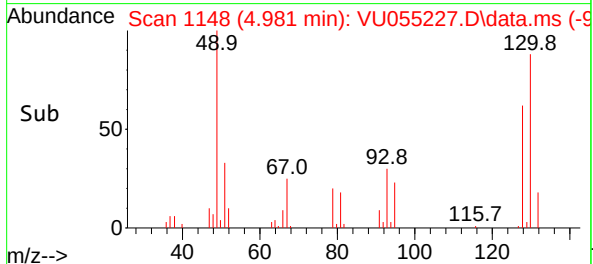
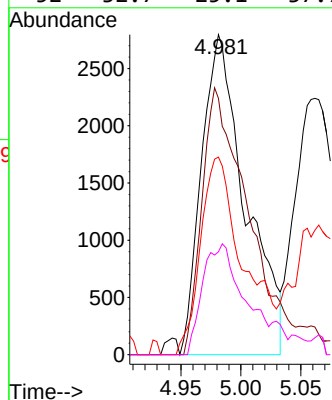
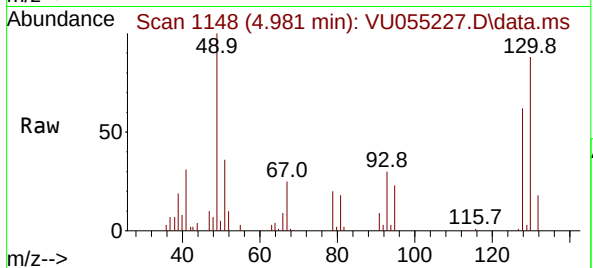
Ion	Ratio	Lower	Upper
41	100		
67	92.4	66.8	100.2
39	60.2	41.2	61.8
52	32.7	25.1	37.7

Manual Integrations

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Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#40

Methyl acrylate

Concen: 1.389 ug/l

RT: 4.859 min Scan# 1110

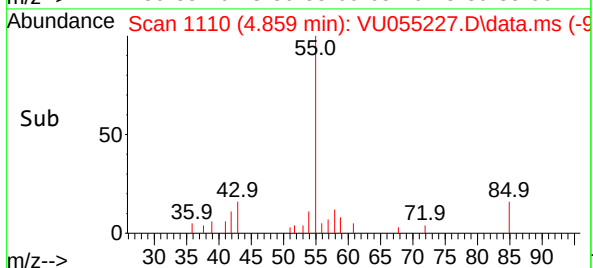
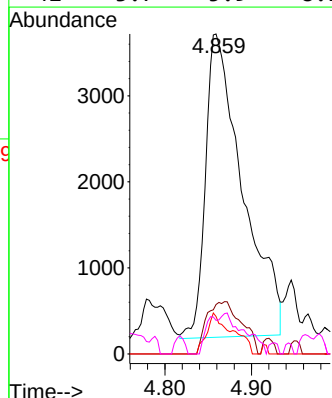
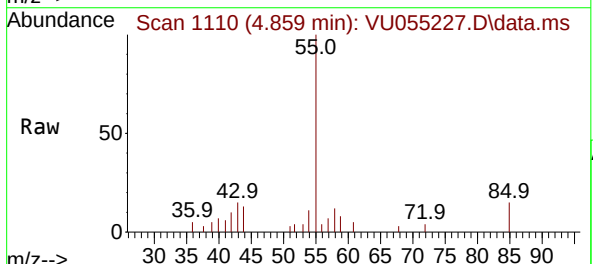
Delta R.T. 0.005 min

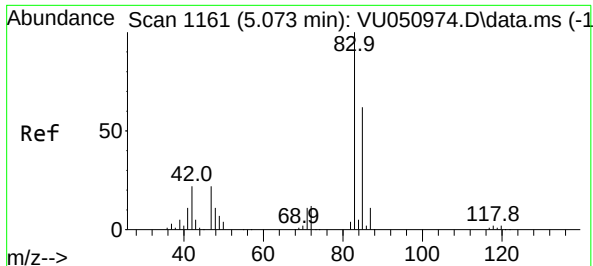
Lab File: VU055227.D

Acq: 11 Sep 2023 10:03

Tgt Ion: 55 Resp: 10497

Ion	Ratio	Lower	Upper
55	100		
85	16.1	13.3	19.9
58	9.3	6.5	9.7
42	3.7	5.9	8.9#





#41

Tetrahydrofuran

Concen: 3.530 ug/l

RT: 5.062 min Scan# 1161

Delta R.T. -0.011 min

Lab File: VU055227.D

Acq: 11 Sep 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC002

Tgt Ion: 42 Resp: 7680

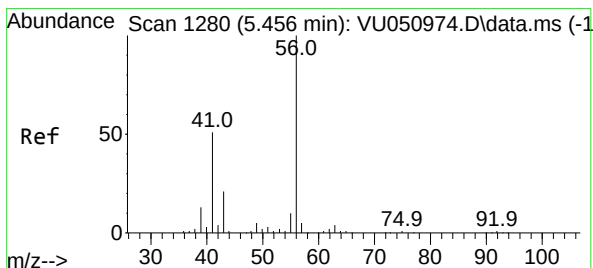
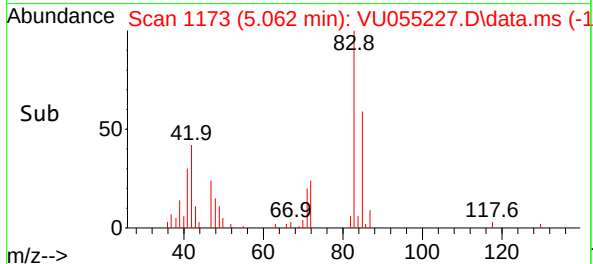
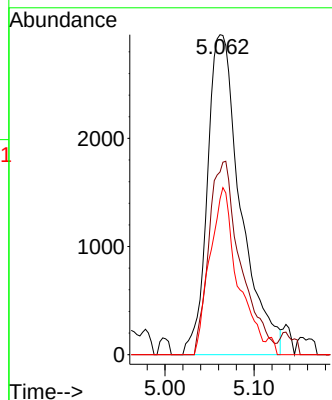
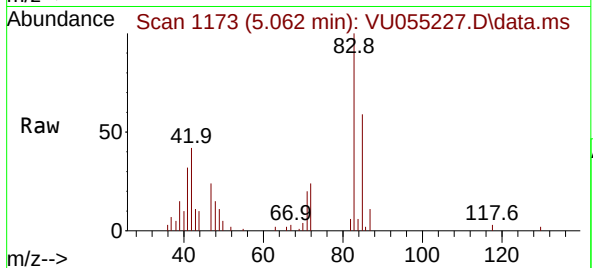
Ion	Ratio	Lower	Upper
42	100		
72	57.6	40.9	61.3
71	44.0	36.9	55.3

Manual Integrations

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Supervised By :Mahesh Dadoda 09/12/2023



#42

1-Chlorobutane

Concen: 1.923 ug/l

RT: 5.457 min Scan# 1296

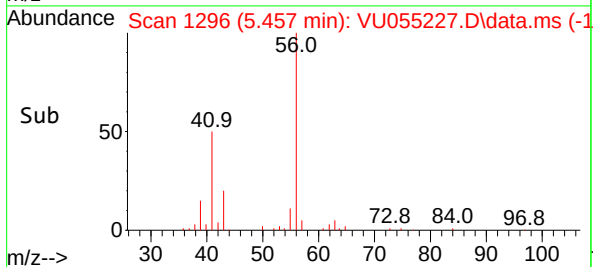
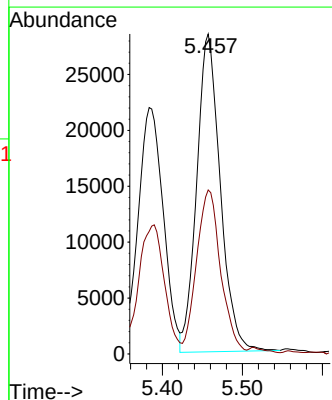
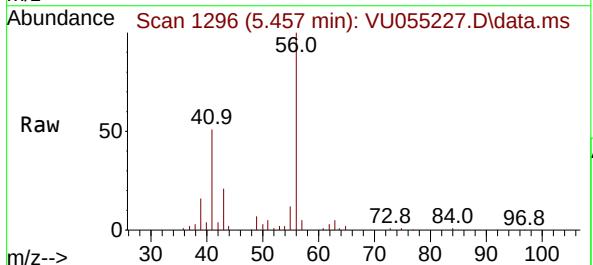
Delta R.T. 0.001 min

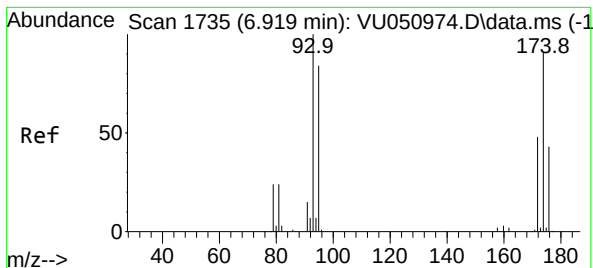
Lab File: VU055227.D

Acq: 11 Sep 2023 10:03

Tgt Ion: 56 Resp: 58329

Ion	Ratio	Lower	Upper
56	100		
41	52.4	25.2	75.6





#43

Dibromomethane

Concen: 2.108 ug/l

RT: 6.917 min Scan# 11

Delta R.T. -0.002 min

Lab File: VU055227.D

Acq: 11 Sep 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC002

Tgt Ion: 93 Resp: 1716

Ion Ratio Lower Upper

93 100

95 80.1 67.0 100.6

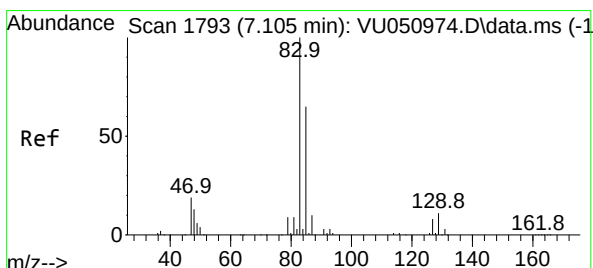
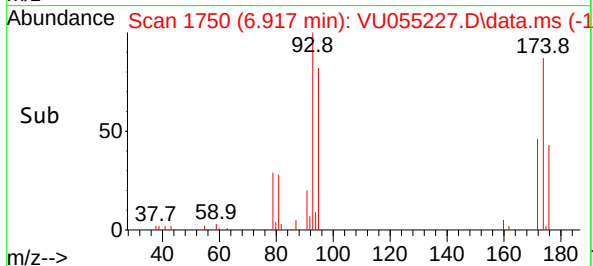
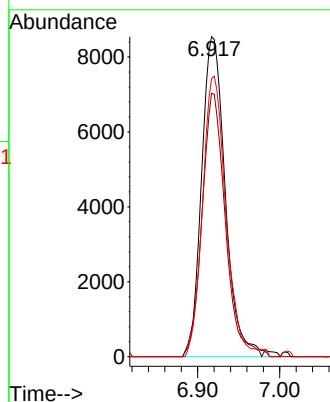
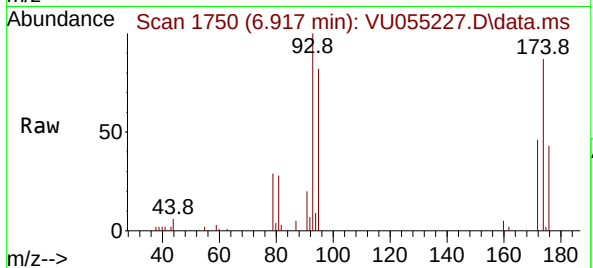
174 86.5 73.8 110.6

Manual Integrations

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Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#44

Bromodichloromethane

Concen: 2.077 ug/l

RT: 7.103 min Scan# 1808

Delta R.T. -0.002 min

Lab File: VU055227.D

Acq: 11 Sep 2023 10:03

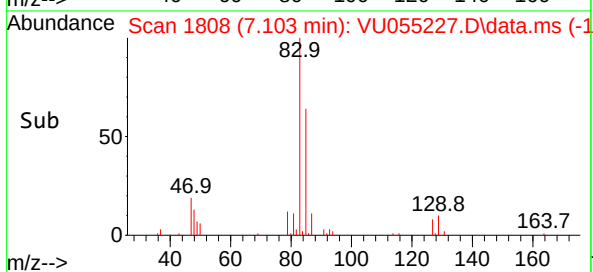
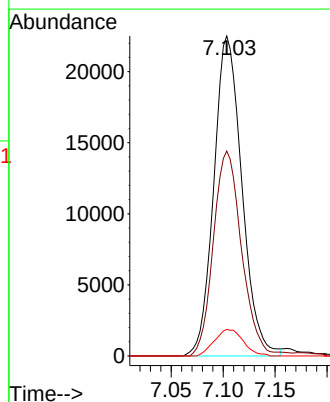
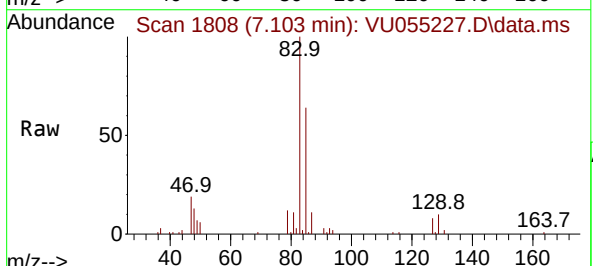
Tgt Ion: 83 Resp: 42306

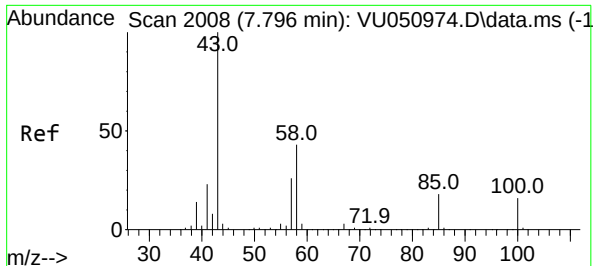
Ion Ratio Lower Upper

83 100

85 64.0 51.9 77.9

127 9.0 6.7 10.1





#45

4-Methyl-2-Pentanone

Concen: 9.256 ug/l

RT: 7.791 min Scan# 2008

Delta R.T. -0.005 min

Lab File: VU055227.D

Acq: 11 Sep 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC002

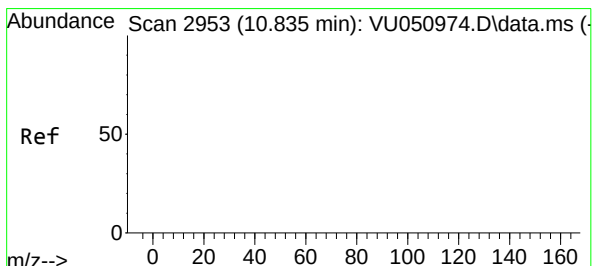
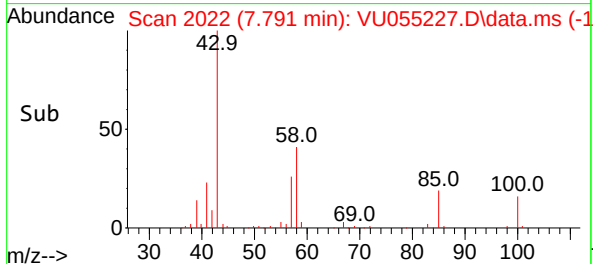
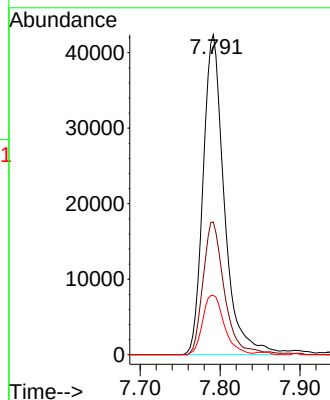
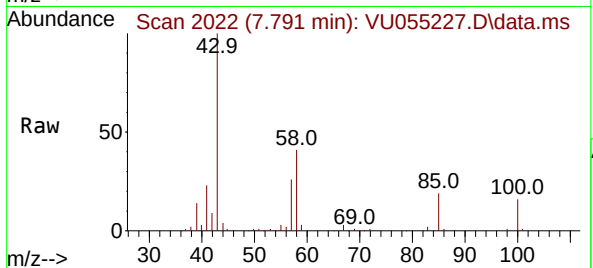
Tgt Ion:	43	Resp:	7819
Ion Ratio	Lower	Upper	
43	100		
58	42.0	20.9	62.8
85	19.0	14.6	21.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#46

t-1,4-Dichloro-2-butene

Concen: 2.235 ug/l m

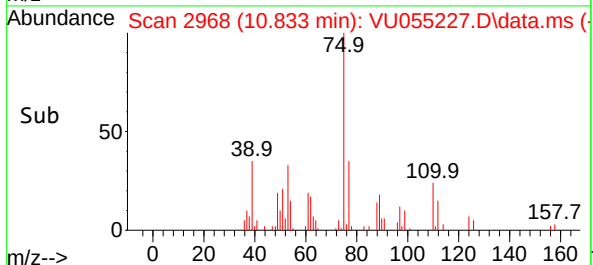
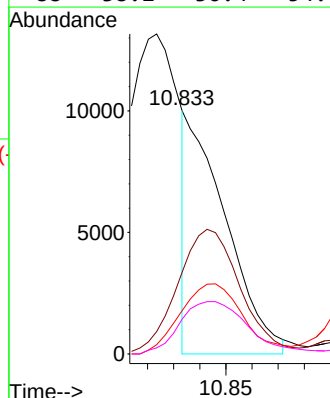
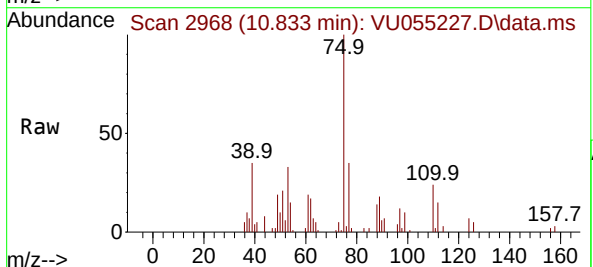
RT: 10.833 min Scan# 2968

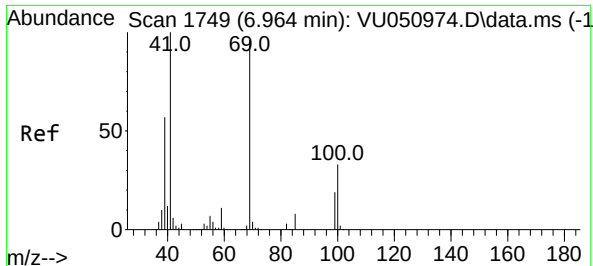
Delta R.T. -0.002 min

Lab File: VU055227.D

Acq: 11 Sep 2023 10:03

Tgt Ion:	75	Resp:	10350
Ion Ratio	Lower	Upper	
75	100		
53	82.8	73.3	109.9
89	46.9	48.2	72.4
88	38.2	36.4	54.6





#47

Methyl methacrylate

Concen: 3.334 ug/l

RT: 6.962 min Scan# 1

Delta R.T. -0.002 min

Lab File: VU055227.D

Acq: 11 Sep 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC002

Tgt Ion: 69 Resp: 2496

Ion Ratio Lower Upper

69 100

41 101.7 0.0 209.2

39 67.5 46.7 70.1

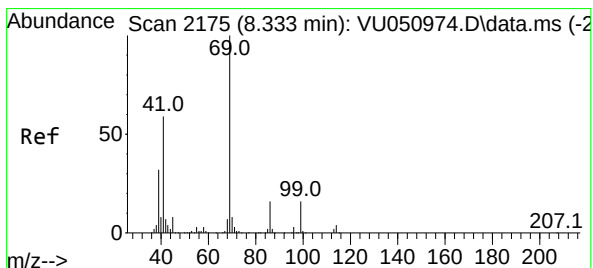
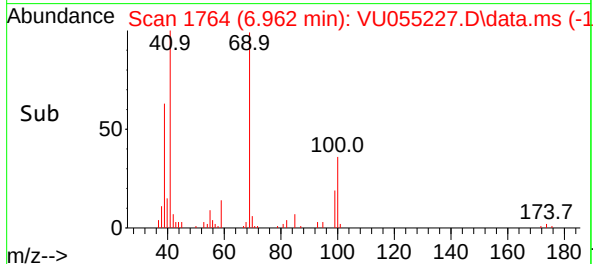
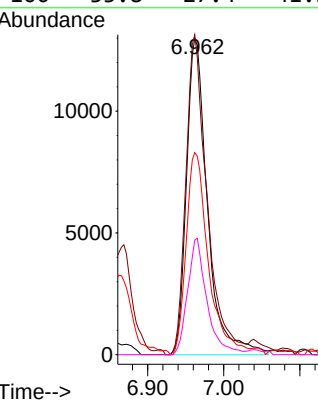
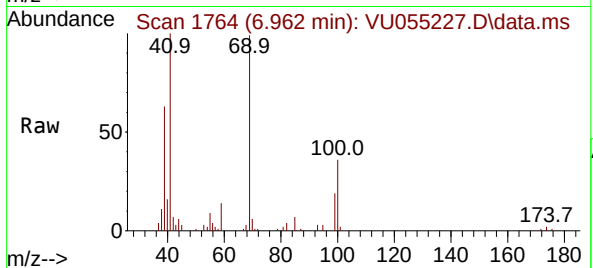
100 33.8 27.4 41.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#48

Ethyl methacrylate

Concen: 1.645 ug/l

RT: 8.335 min Scan# 2191

Delta R.T. 0.002 min

Lab File: VU055227.D

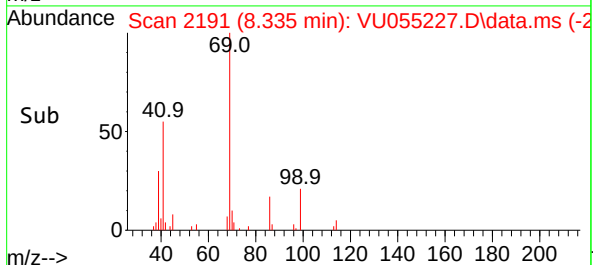
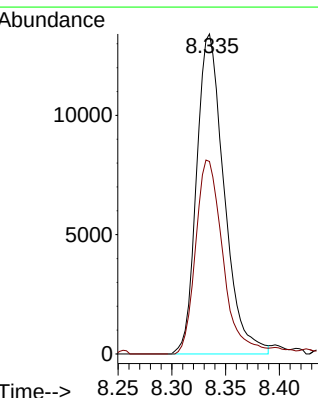
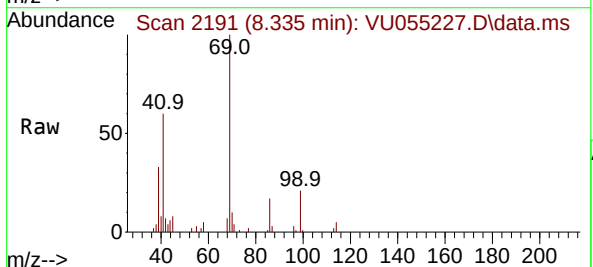
Acq: 11 Sep 2023 10:03

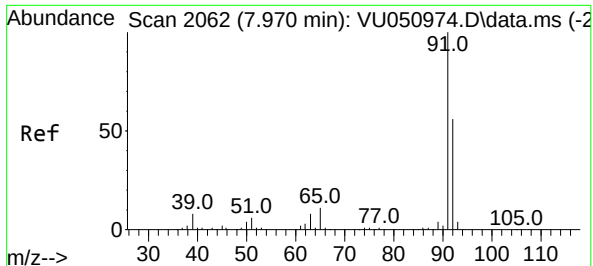
Tgt Ion: 69 Resp: 23884

Ion Ratio Lower Upper

69 100

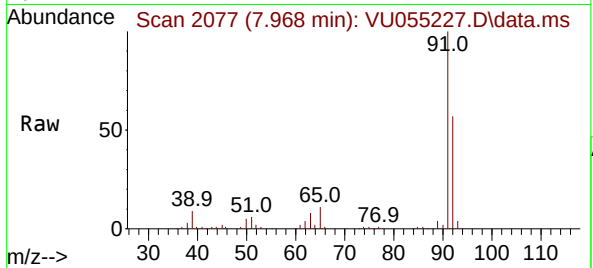
41 59.9 30.3 90.8





#49
Toluene
Concen: 2.008 ug/l
RT: 7.968 min Scan# 2062
Delta R.T. -0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

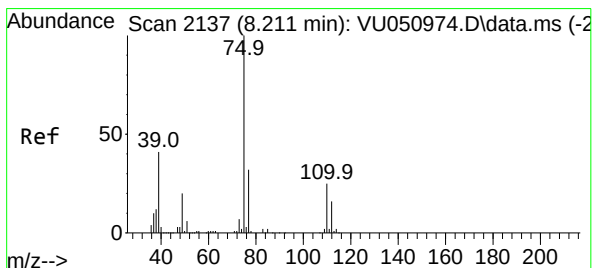
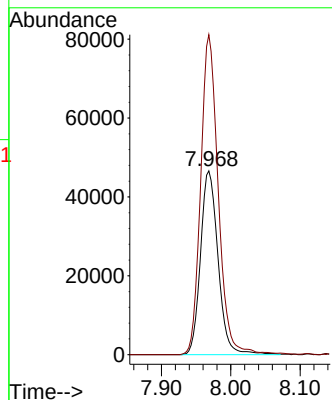
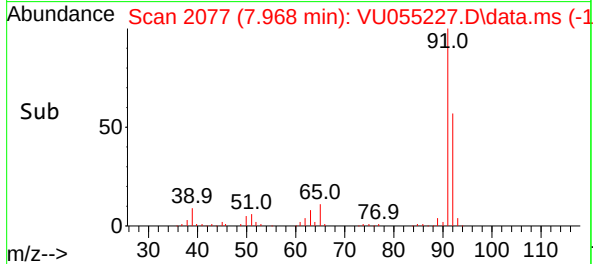
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002



Tgt Ion: 92 Resp: 8213
Ion Ratio Lower Upper
92 100
91 174.5 143.0 214.6

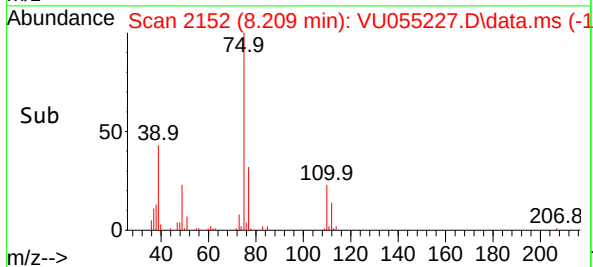
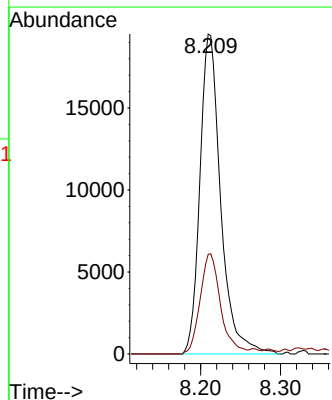
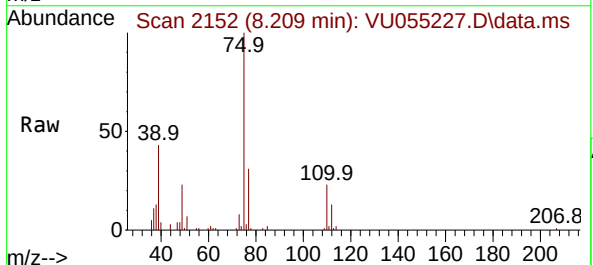
Manual Integrations
APPROVED

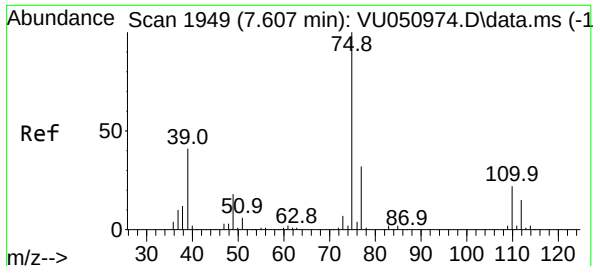
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#50
t-1,3-Dichloropropene
Concen: 1.868 ug/l
RT: 8.209 min Scan# 2152
Delta R.T. -0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

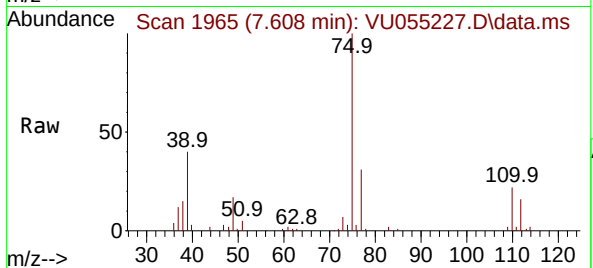
Tgt Ion: 75 Resp: 35240
Ion Ratio Lower Upper
75 100
77 31.2 25.3 37.9





#51
 cis-1,3-Dichloropropene
 Concen: 1.891 ug/l
 RT: 7.608 min Scan# 1949
 Delta R.T. 0.001 min
 Lab File: VU055227.D
 Acq: 11 Sep 2023 10:03

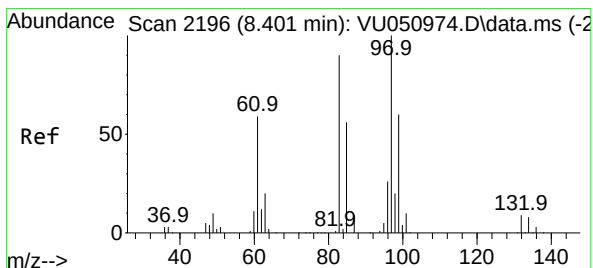
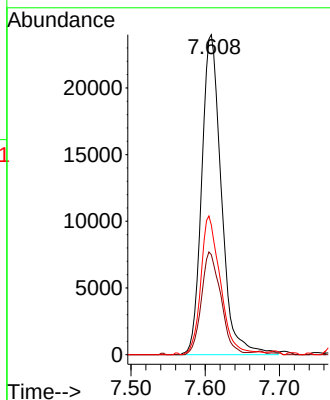
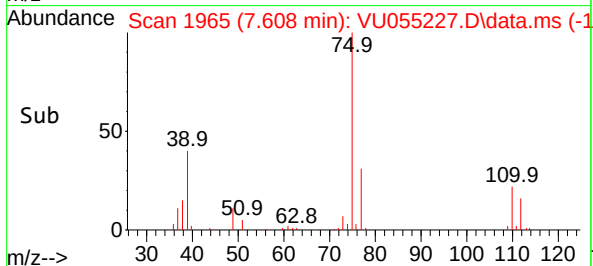
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002



Tgt Ion: 75 Resp: 44169
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.7 38.5
 39 40.0 32.8 49.2

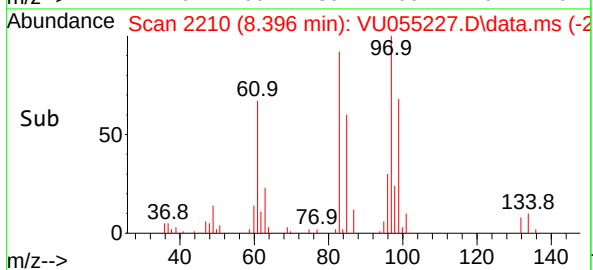
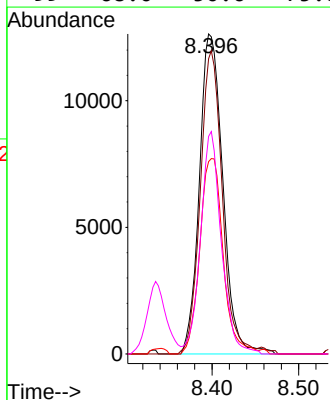
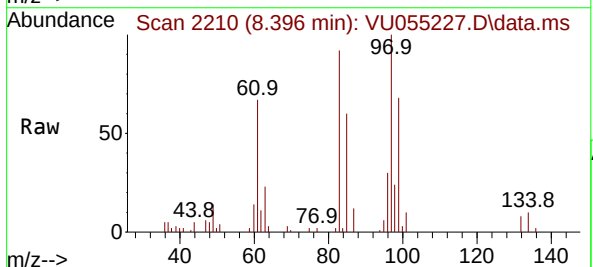
Manual Integrations
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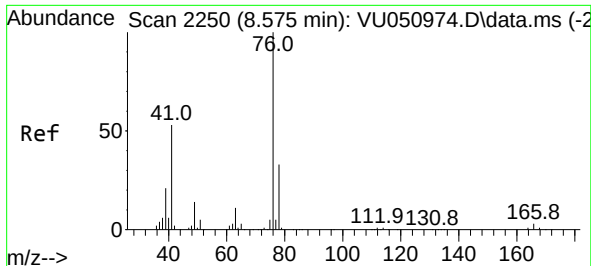
Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023



#52
 1,1,2-Trichloroethane
 Concen: 2.012 ug/l
 RT: 8.396 min Scan# 2210
 Delta R.T. -0.005 min
 Lab File: VU055227.D
 Acq: 11 Sep 2023 10:03

Tgt Ion: 97 Resp: 23765
 Ion Ratio Lower Upper
 97 100
 83 92.2 71.8 107.8
 85 60.1 45.2 67.8
 99 68.0 50.6 75.8





#53

1,3-Dichloropropane

Concen: 1.951 ug/l

RT: 8.576 min Scan# 2100

Delta R.T. 0.001 min

Lab File: VU055227.D

Acq: 11 Sep 2023 10:03

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC002

Tgt Ion: 76 Resp: 39740

Ion Ratio Lower Upper

76 100

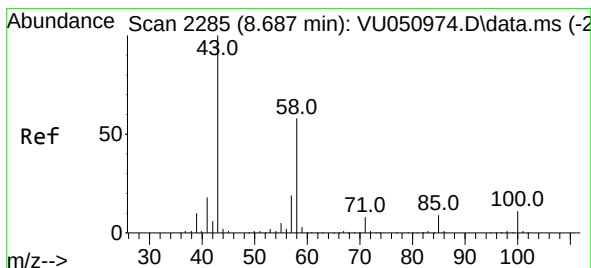
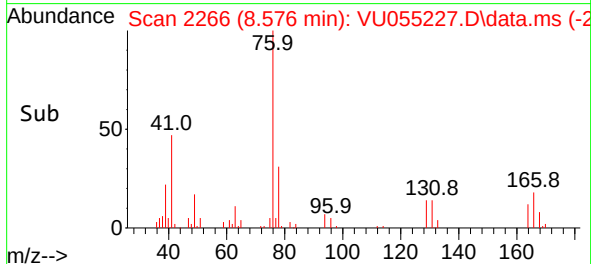
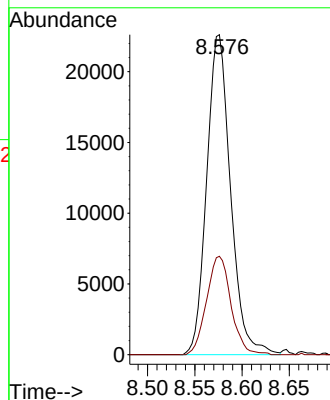
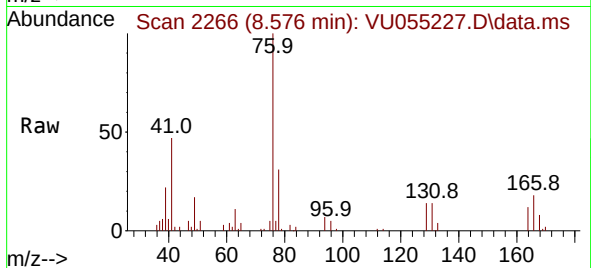
78 31.5 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/12/2023

Supervised By :Mahesh Dadoda 09/12/2023



#54

2-Hexanone

Concen: 8.915 ug/l

RT: 8.685 min Scan# 2300

Delta R.T. -0.002 min

Lab File: VU055227.D

Acq: 11 Sep 2023 10:03

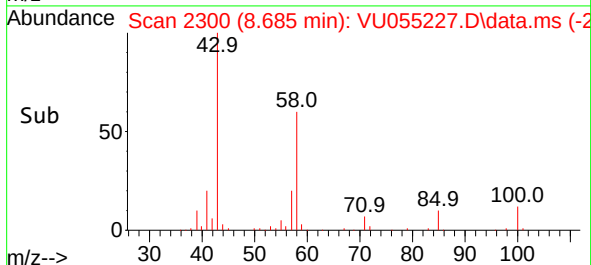
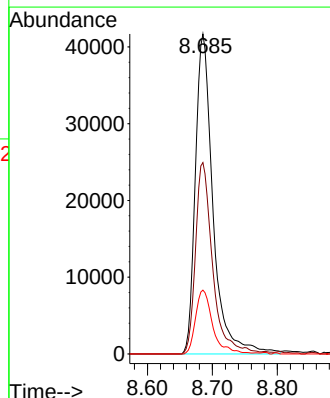
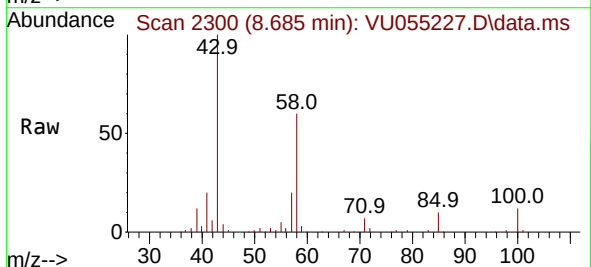
Tgt Ion: 43 Resp: 79022

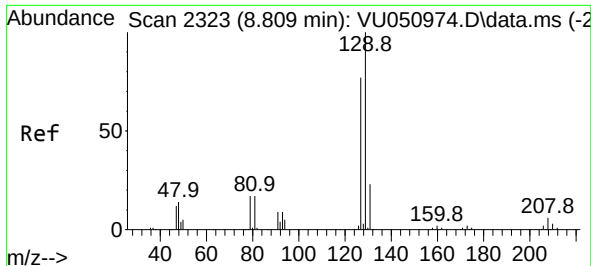
Ion Ratio Lower Upper

43 100

58 57.9 38.2 78.2

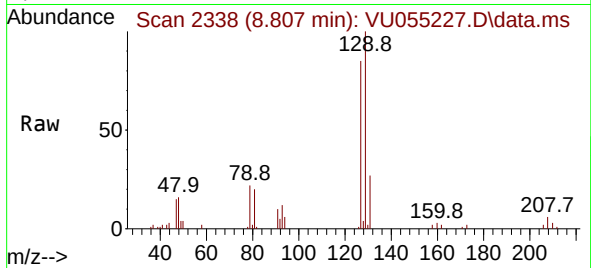
57 19.4 0.0 39.1





#55
Dibromochloromethane
Concen: 2.073 ug/l
RT: 8.807 min Scan# 21
Delta R.T. -0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

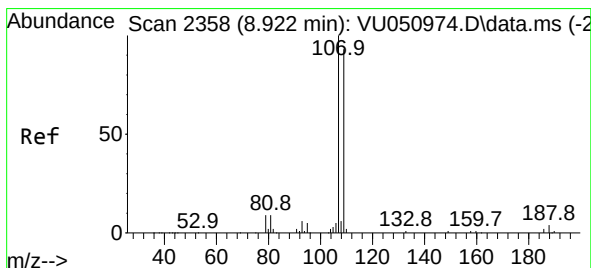
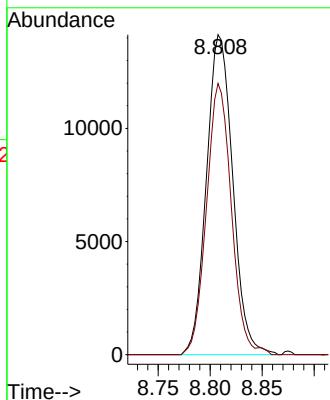
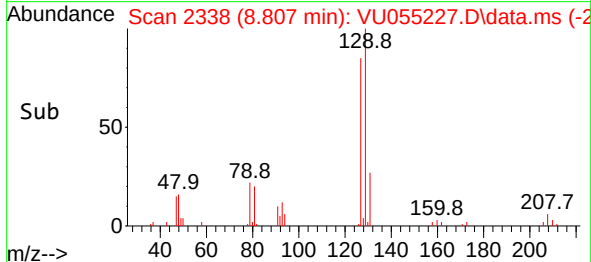
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002



Tgt Ion:129 Resp: 2492
Ion Ratio Lower Upper
129 100
127 80.2 61.4 92.0

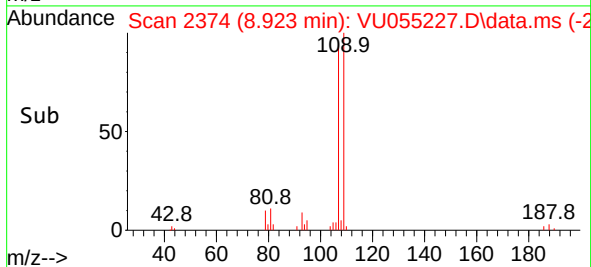
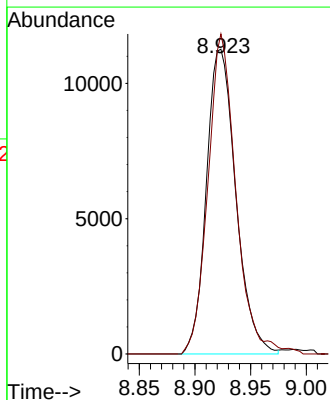
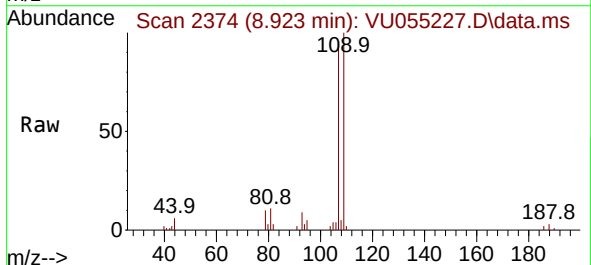
Manual Integrations
APPROVED

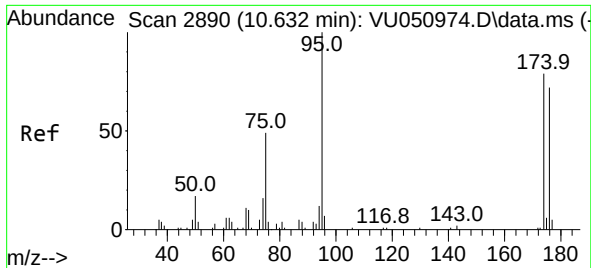
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#56
1,2-Dibromoethane
Concen: 1.906 ug/l
RT: 8.923 min Scan# 2374
Delta R.T. 0.001 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

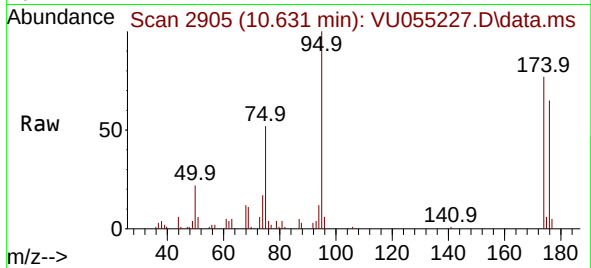
Tgt Ion:107 Resp: 20737
Ion Ratio Lower Upper
107 100
109 100.0 0.0 184.4





#57
 4-Bromofluorobenzene
 Concen: 1.029 ug/l
 RT: 10.631 min Scan# 2905
 Delta R.T. -0.001 min
 Lab File: VU055227.D
 Acq: 11 Sep 2023 10:03

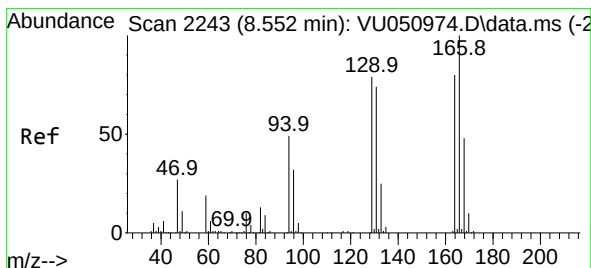
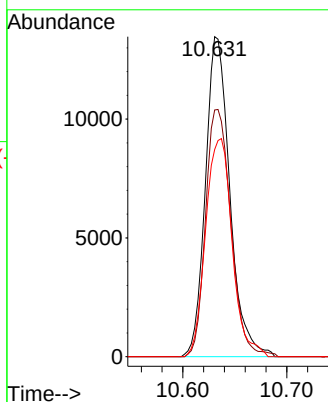
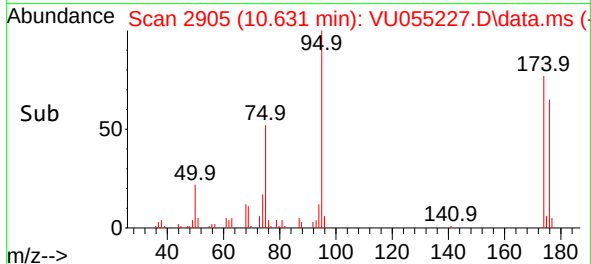
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002



Tgt Ion: 95 Resp: 21960
 Ion Ratio Lower Upper
 95 100
 174 80.2 63.3 94.9
 176 74.1 59.3 88.9

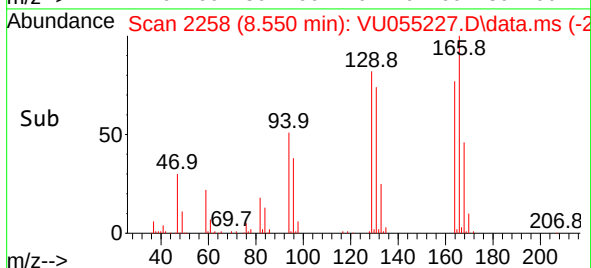
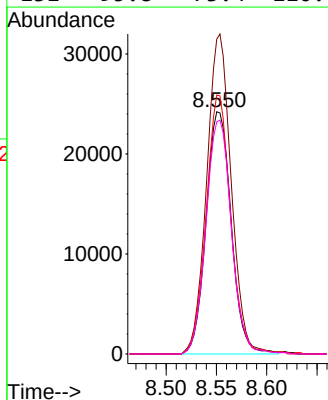
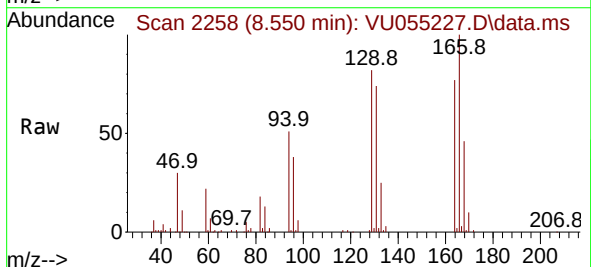
Manual Integrations
 APPROVED

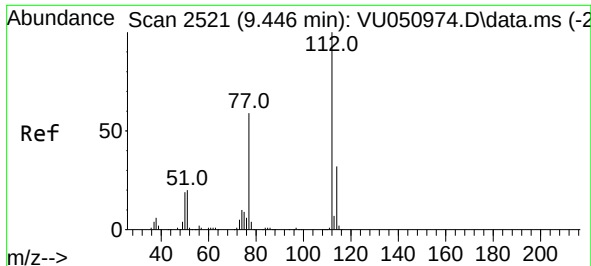
Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023



#58
 Tetrachloroethene
 Concen: 2.673 ug/l
 RT: 8.550 min Scan# 2258
 Delta R.T. -0.002 min
 Lab File: VU055227.D
 Acq: 11 Sep 2023 10:03

Tgt Ion:164 Resp: 41936
 Ion Ratio Lower Upper
 164 100
 166 130.0 99.6 149.4
 129 106.8 78.6 117.8
 131 95.8 73.4 110.0





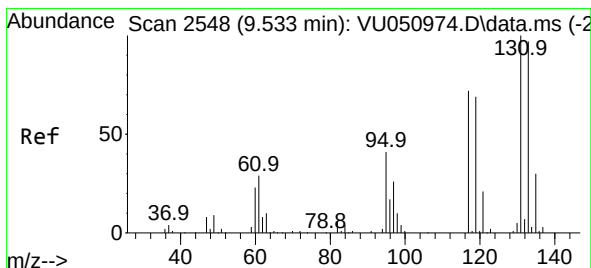
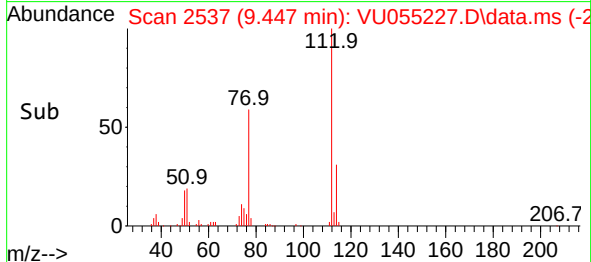
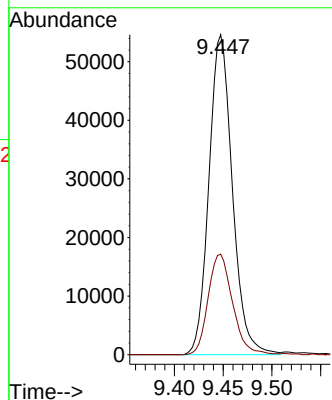
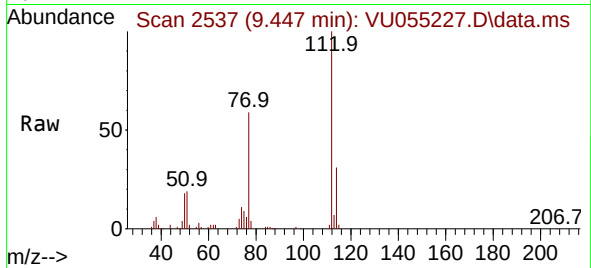
#59
Chlorobenzene
Concen: 2.030 ug/l
RT: 9.447 min Scan# 2537
Delta R.T. 0.001 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion:112 Resp: 91410
Ion Ratio Lower Upper
112 100
114 31.4 25.6 38.4

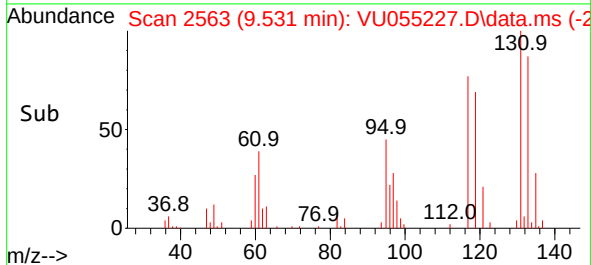
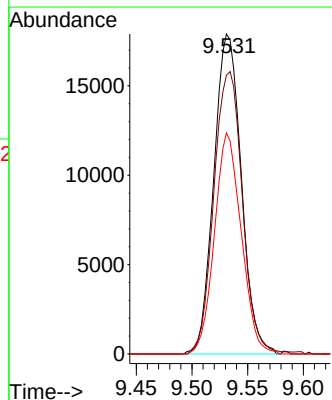
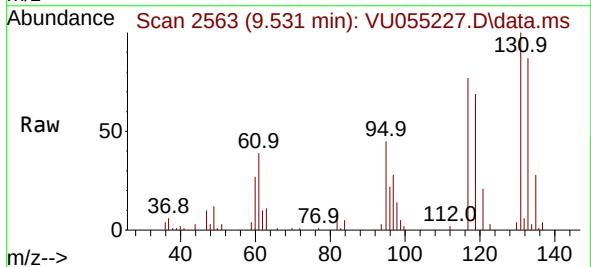
Manual Integrations
APPROVED

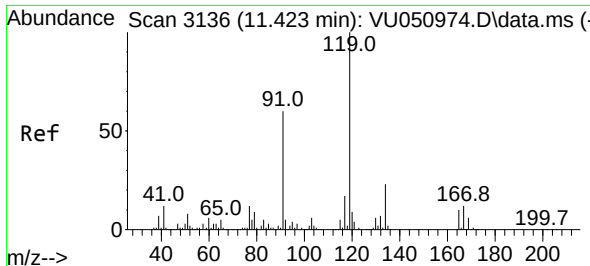
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#60
1,1,1,2-Tetrachloroethane
Concen: 2.242 ug/l
RT: 9.531 min Scan# 2563
Delta R.T. -0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Tgt Ion:131 Resp: 30683
Ion Ratio Lower Upper
131 100
133 91.8 77.8 116.6
119 67.4 55.2 82.8





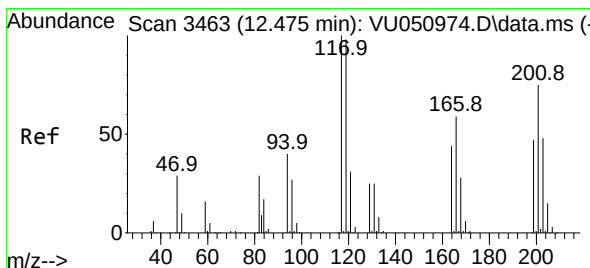
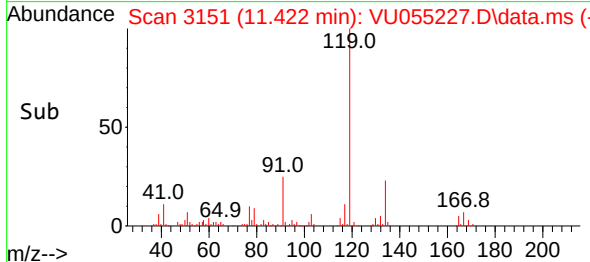
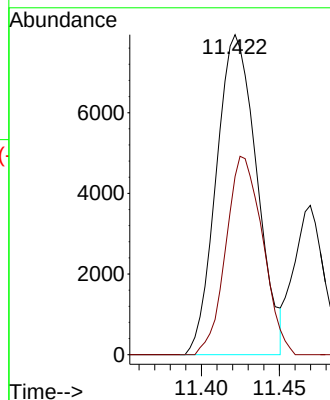
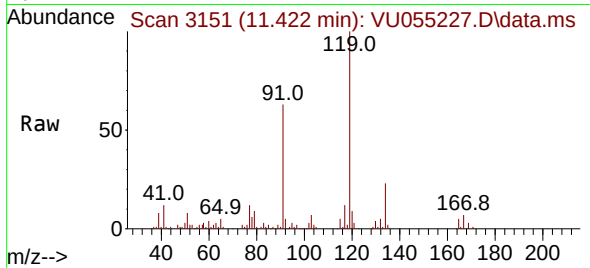
#61
Pentachloroethane
Concen: 1.486 ug/l
RT: 11.422 min Scan# 3136
Delta R.T. -0.001 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion:117 Resp: 1428
Ion Ratio Lower Upper
117 100
167 56.5 56.7 85.1

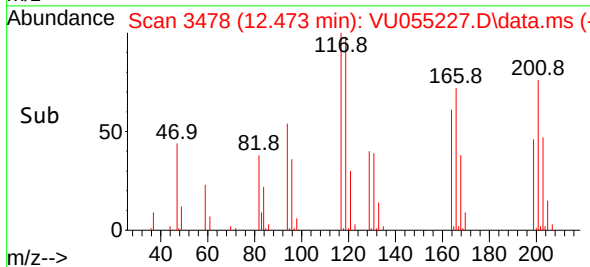
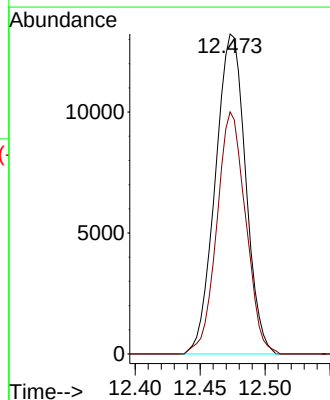
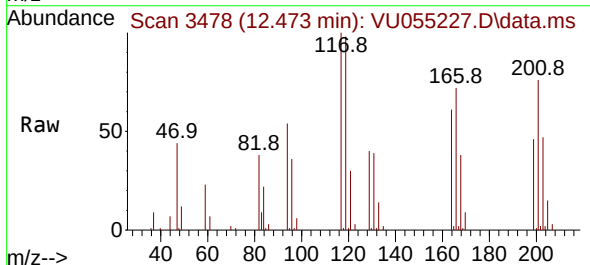
Manual Integrations
APPROVED

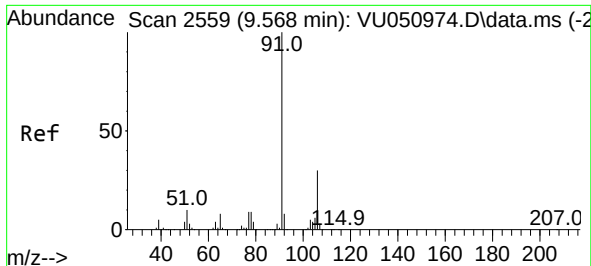
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#62
Hexachloroethane
Concen: 1.939 ug/l
RT: 12.473 min Scan# 3478
Delta R.T. -0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Tgt Ion:117 Resp: 21448
Ion Ratio Lower Upper
117 100
201 72.0 59.6 89.4





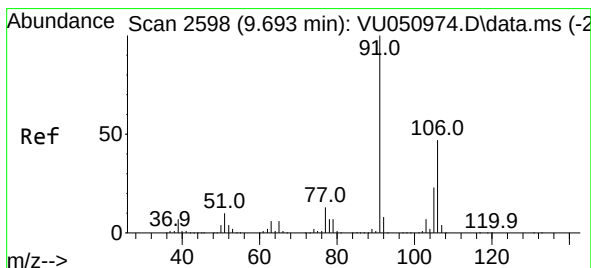
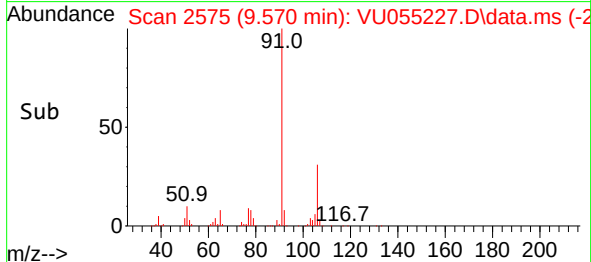
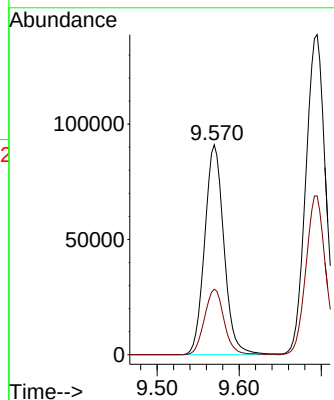
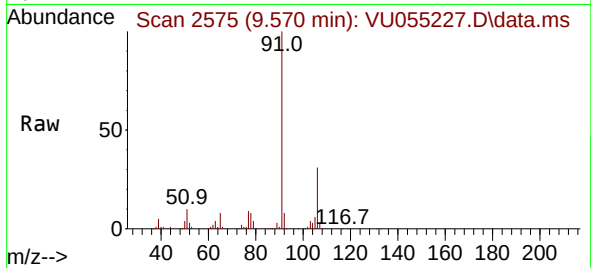
#63
Ethyl Benzene
Concen: 1.884 ug/l
RT: 9.570 min Scan# 21
Delta R.T. 0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion: 91 Resp: 148724
Ion Ratio Lower Upper
91 100
106 31.2 24.2 36.2

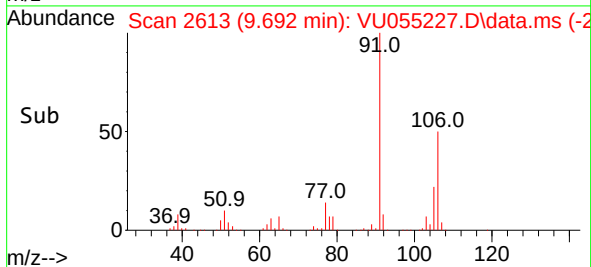
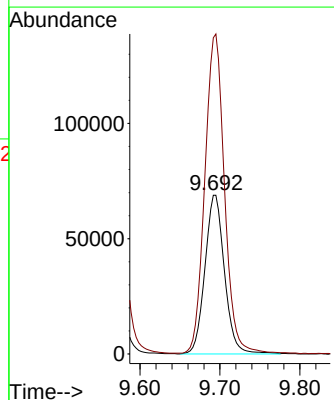
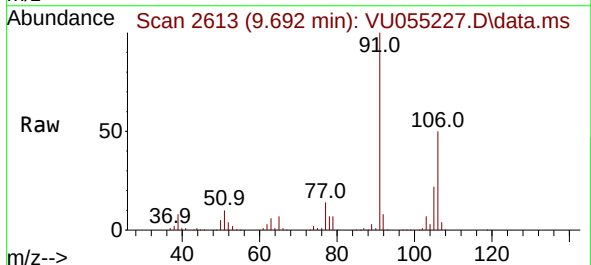
Manual Integrations
APPROVED

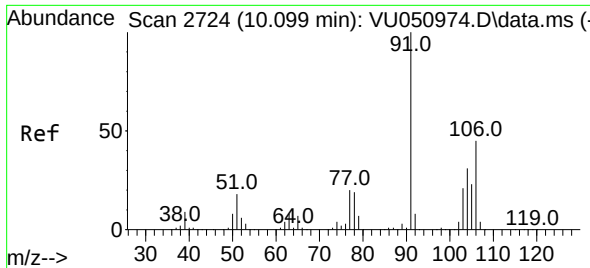
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#64
m/p-Xylenes
Concen: 3.885 ug/l
RT: 9.692 min Scan# 2613
Delta R.T. -0.001 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Tgt Ion:106 Resp: 117280
Ion Ratio Lower Upper
106 100
91 203.1 167.3 250.9





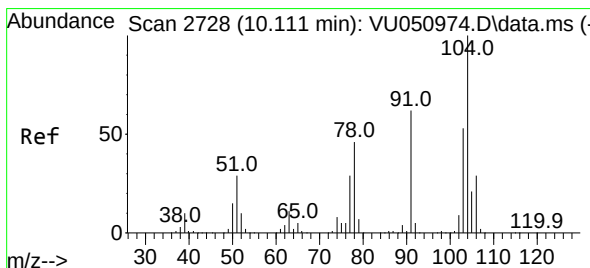
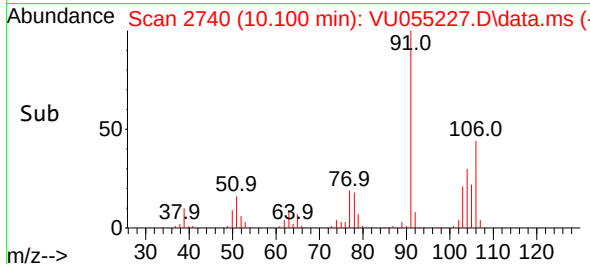
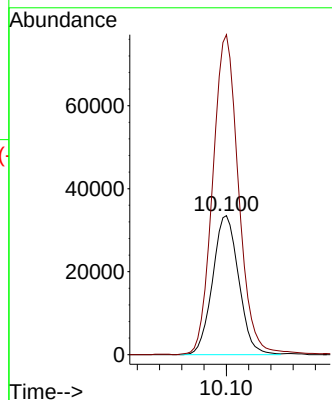
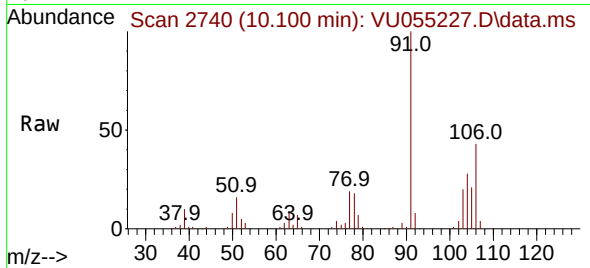
#65
o-Xylene
Concen: 1.844 ug/l
RT: 10.100 min Scan# 2744
Delta R.T. 0.001 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion:106 Resp: 5449
Ion Ratio Lower Upper
106 100
91 229.2 109.3 327.9

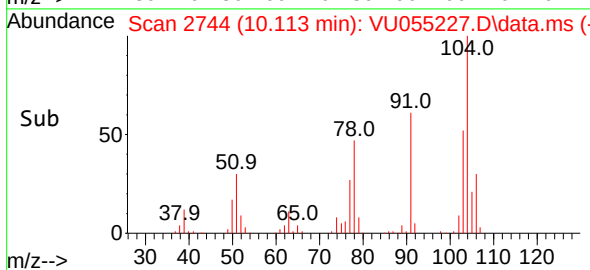
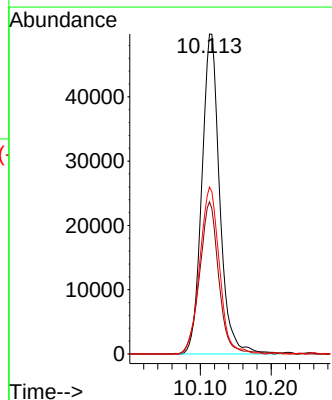
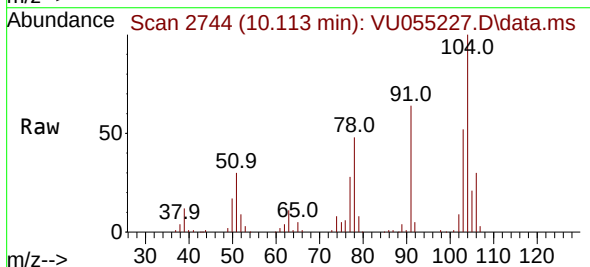
Manual Integrations
APPROVED

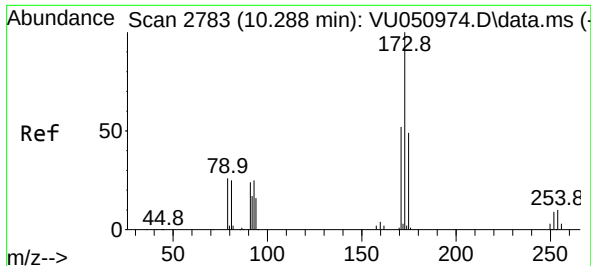
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#66
Styrene
Concen: 1.920 ug/l
RT: 10.113 min Scan# 2744
Delta R.T. 0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

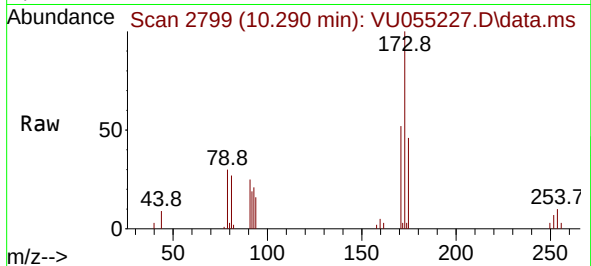
Tgt Ion:104 Resp: 87204
Ion Ratio Lower Upper
104 100
78 50.7 39.7 59.5
103 57.2 44.8 67.2





#67
Bromoform
Concen: 2.240 ug/l
RT: 10.290 min Scan# 21
Delta R.T. 0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

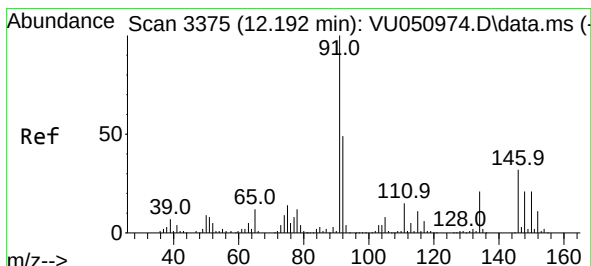
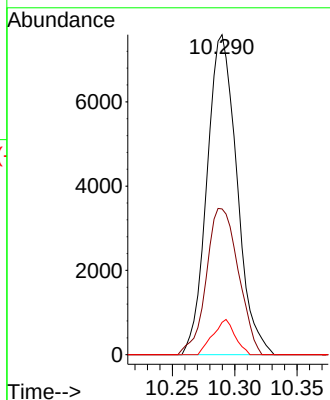
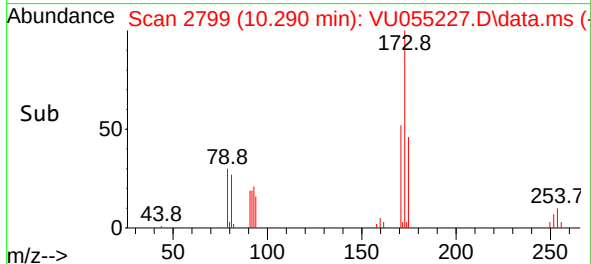
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002



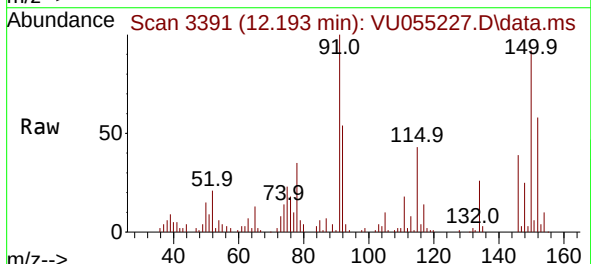
Tgt Ion:173 Resp: 1267
Ion Ratio Lower Upper
173 100
175 48.9 39.0 58.6
254 8.1 7.4 11.0

Manual Integrations
APPROVED

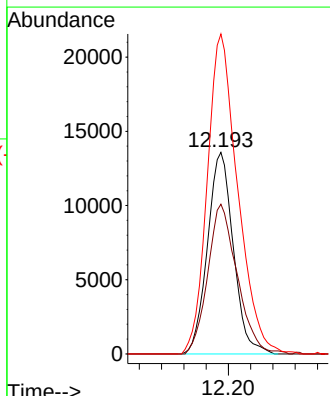
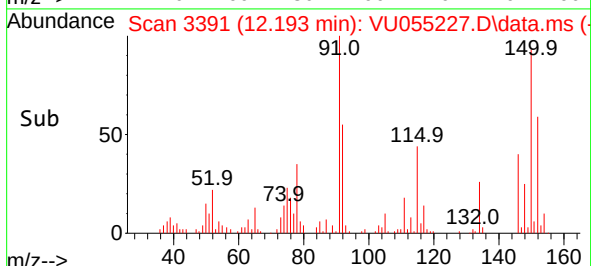
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

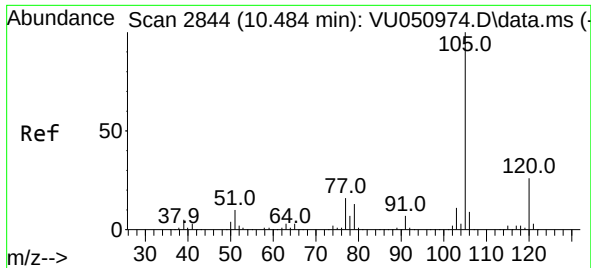


#68
1,2-Dichlorobenzene-d4
Concen: 1.021 ug/l
RT: 12.193 min Scan# 3391
Delta R.T. 0.001 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03



Tgt Ion:152 Resp: 21873
Ion Ratio Lower Upper
152 100
115 84.7 0.0 308.8
150 187.1 0.0 635.0





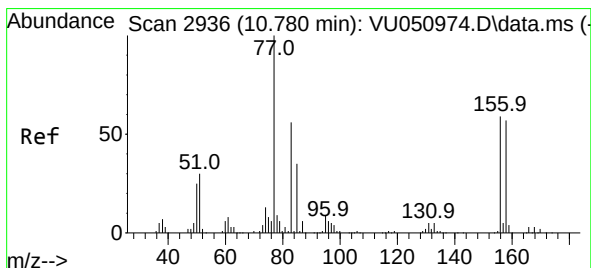
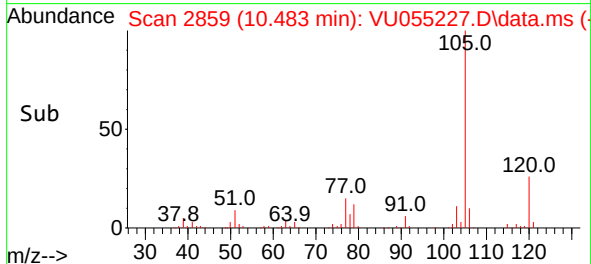
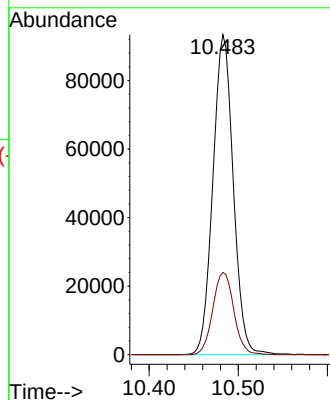
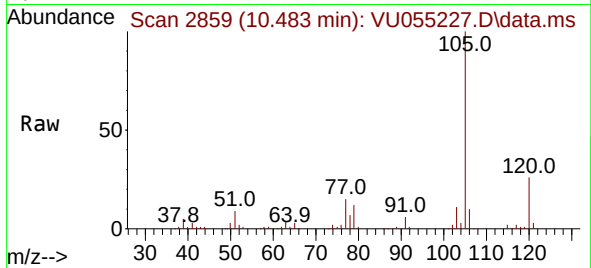
#69
Isopropylbenzene
Concen: 1.914 ug/l
RT: 10.483 min Scan# 21
Delta R.T. -0.001 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion:105 Resp: 14808
Ion Ratio Lower Upper
105 100
120 26.5 12.8 38.4

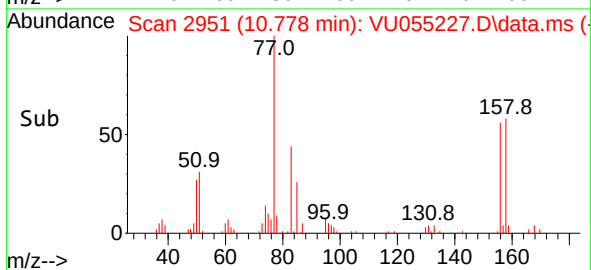
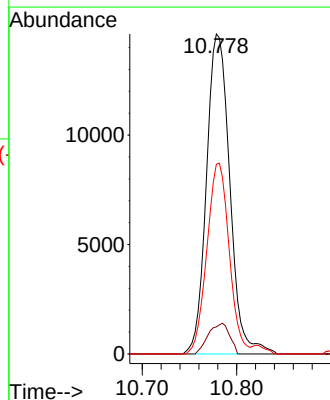
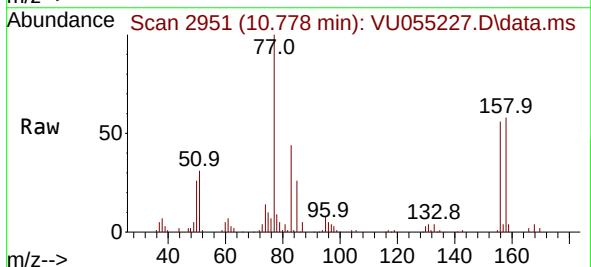
Manual Integrations
APPROVED

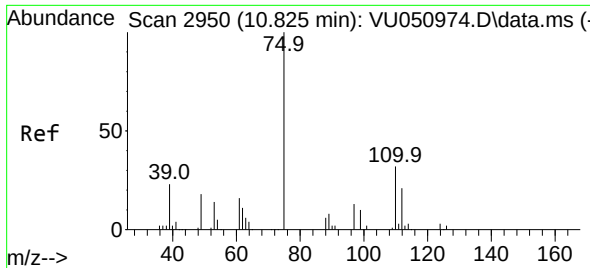
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#70
1,1,2,2-Tetrachloroethane
Concen: 1.763 ug/l
RT: 10.778 min Scan# 2951
Delta R.T. -0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

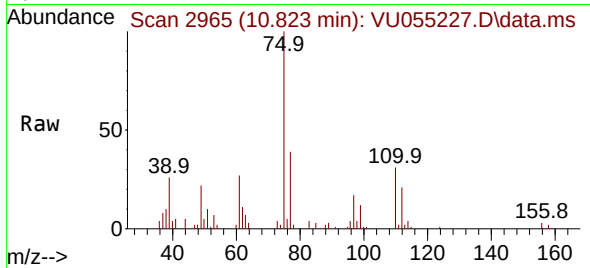
Tgt Ion: 83 Resp: 25070
Ion Ratio Lower Upper
83 100
131 8.7 7.2 10.8
85 56.9 50.5 75.7





#71
1,2,3-Trichloropropane
Concen: 1.912 ug/l m
RT: 10.823 min Scan# 2950
Delta R.T. -0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

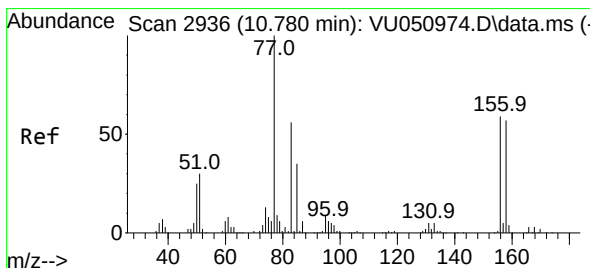
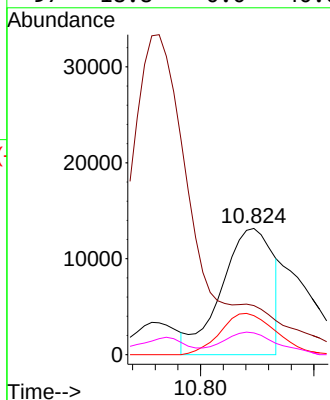
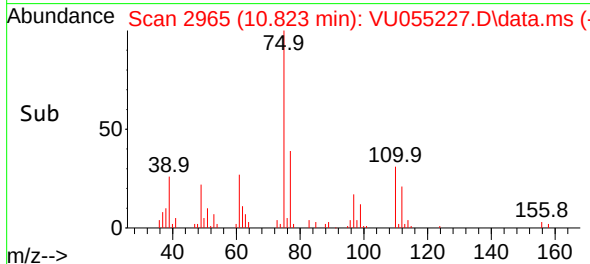
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002



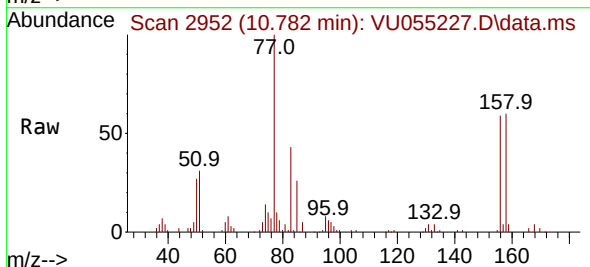
Tgt Ion:	75	Resp:	20520
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	116.4
110	36.0	0.0	74.6
97	18.8	0.0	40.0

Manual Integrations
APPROVED

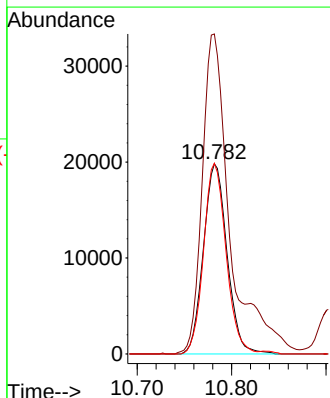
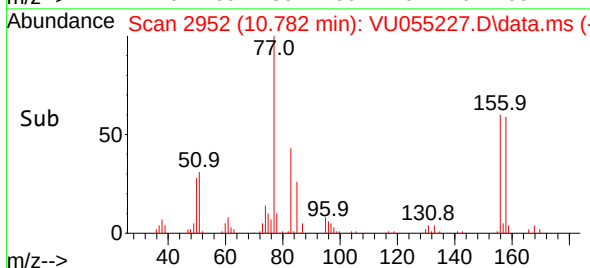
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

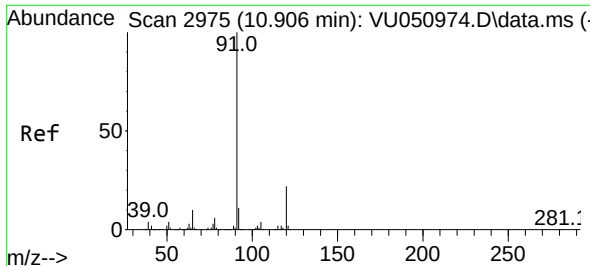


#72
Bromobenzene
Concen: 2.127 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03



Tgt Ion:	156	Resp:	34466
Ion Ratio	Lower	Upper	
156	100		
77	198.3	0.0	343.0
158	95.5	0.0	194.8





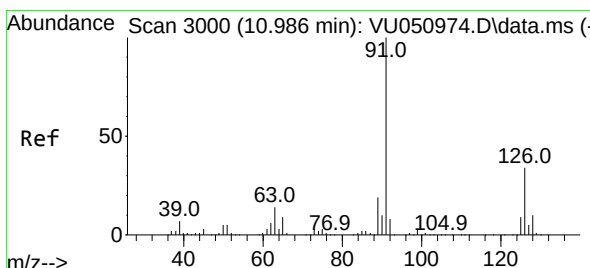
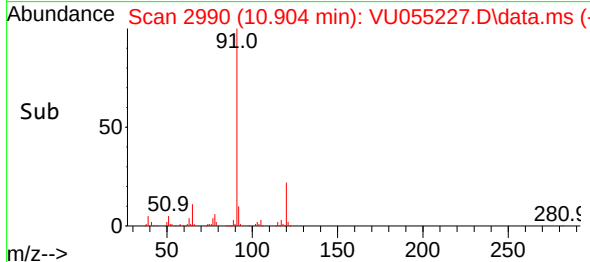
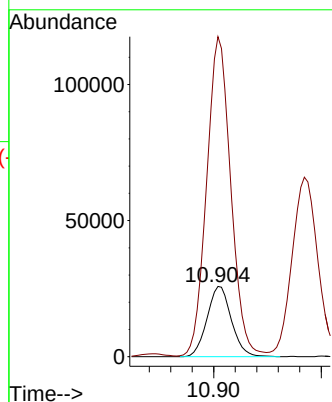
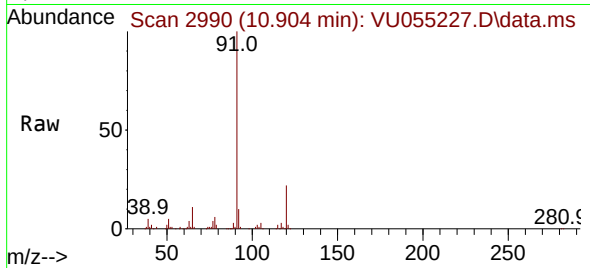
#73
n-propylbenzene
Concen: 1.977 ug/l
RT: 10.904 min Scan# 2975
Delta R.T. -0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion:120 Resp: 40392
Ion Ratio Lower Upper
120 100
91 451.6 369.8 554.6

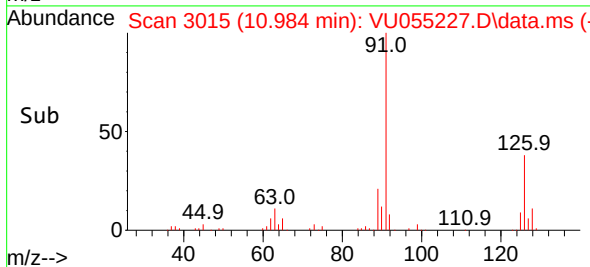
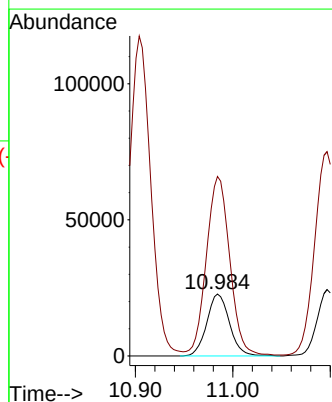
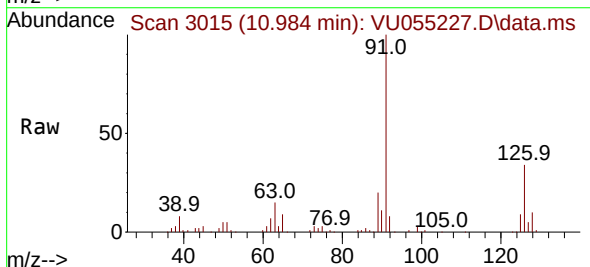
Manual Integrations
APPROVED

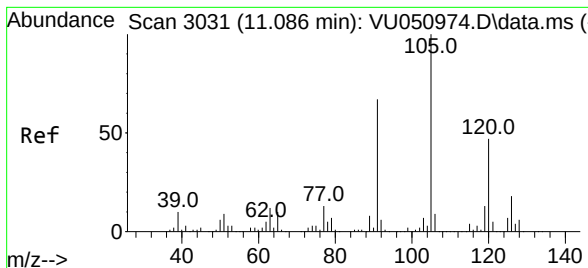
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#74
2-Chlorotoluene
Concen: 2.079 ug/l
RT: 10.984 min Scan# 3015
Delta R.T. -0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

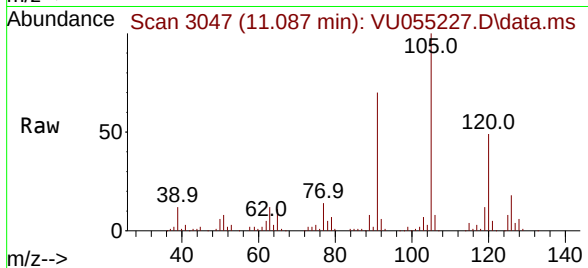
Tgt Ion:126 Resp: 36735
Ion Ratio Lower Upper
126 100
91 296.7 0.0 610.0





#75
1,3,5-Trimethylbenzene
Concen: 1.912 ug/l
RT: 11.087 min Scan# 3031
Delta R.T. 0.001 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

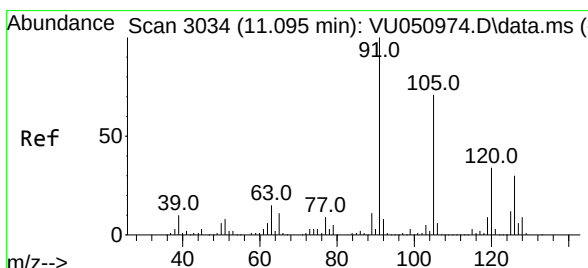
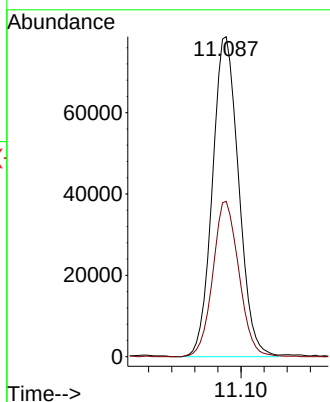
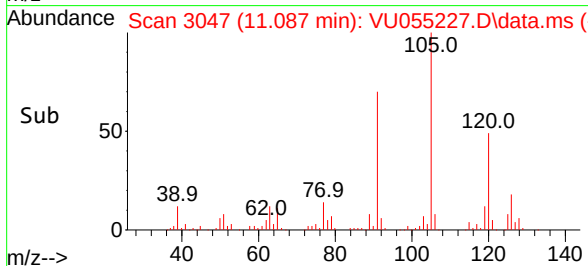
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002



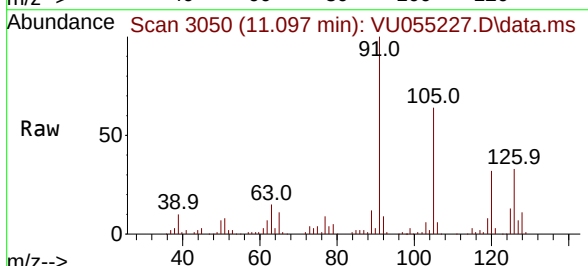
Tgt Ion:105 Resp: 12416
Ion Ratio Lower Upper
105 100
120 48.3 37.8 56.8

Manual Integrations
APPROVED

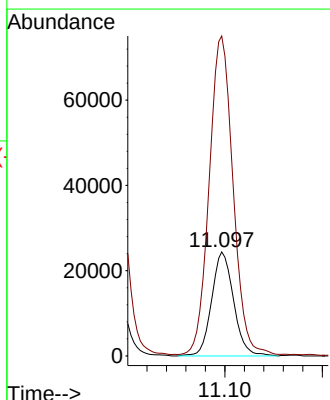
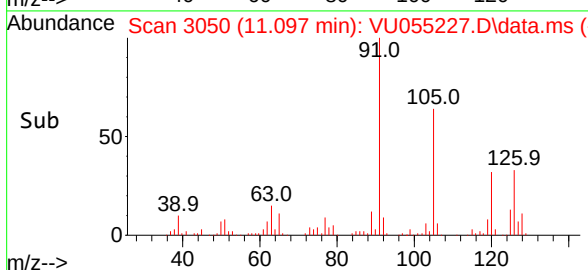
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

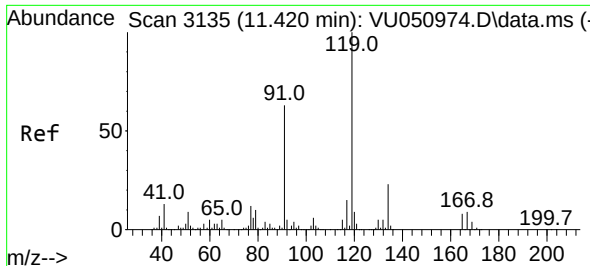


#76
4-Chlorotoluene
Concen: 2.082 ug/l
RT: 11.097 min Scan# 3050
Delta R.T. 0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03



Tgt Ion:126 Resp: 38188
Ion Ratio Lower Upper
126 100
91 330.9 0.0 686.2





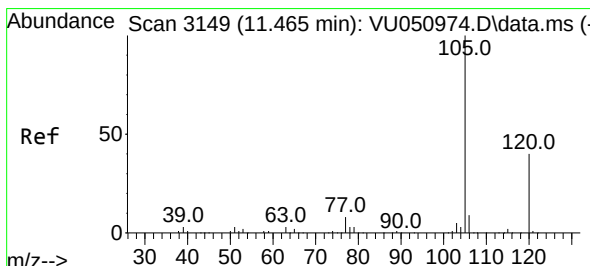
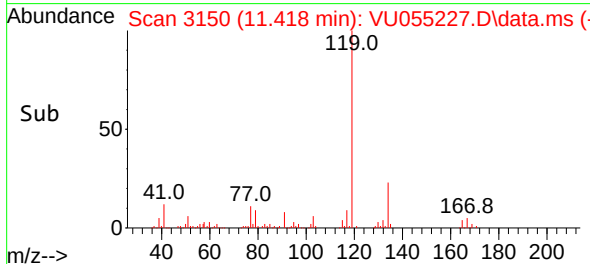
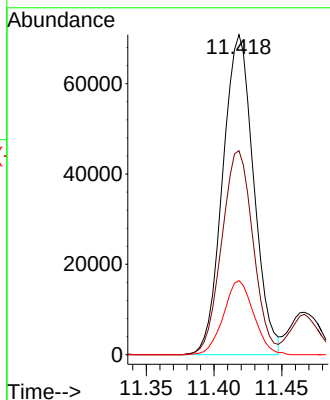
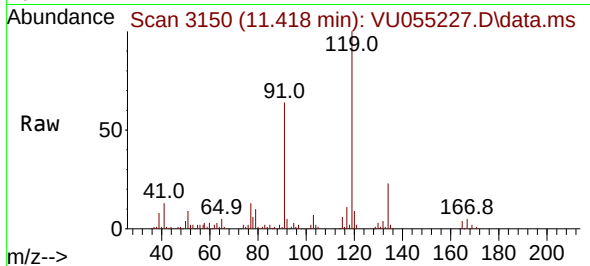
#77
tert-Butylbenzene
Concen: 1.869 ug/l
RT: 11.418 min Scan# 3115
Delta R.T. -0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002

Tgt Ion:119 Resp: 112540
Ion Ratio Lower Upper
119 100
91 64.8 30.8 92.4
134 22.6 18.0 27.0

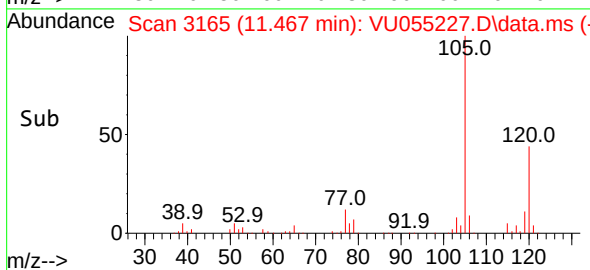
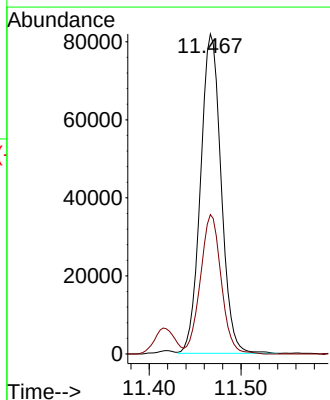
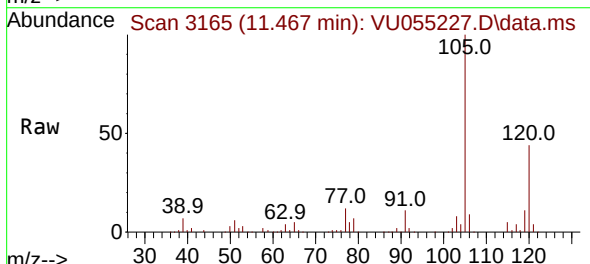
Manual Integrations
APPROVED

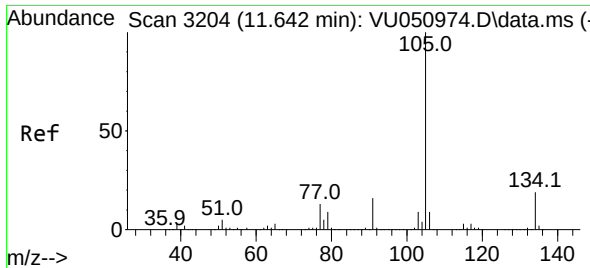
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#78
1,2,4-Trimethylbenzene
Concen: 1.931 ug/l
RT: 11.467 min Scan# 3165
Delta R.T. 0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

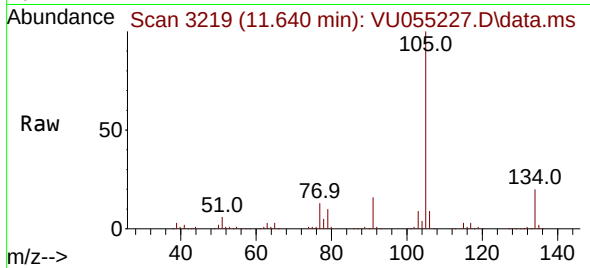
Tgt Ion:105 Resp: 127724
Ion Ratio Lower Upper
105 100
120 44.1 21.9 65.8





#79
 sec-Butylbenzene
 Concen: 1.881 ug/l
 RT: 11.640 min Scan# 3108
 Delta R.T. -0.002 min
 Lab File: VU055227.D
 Acq: 11 Sep 2023 10:03

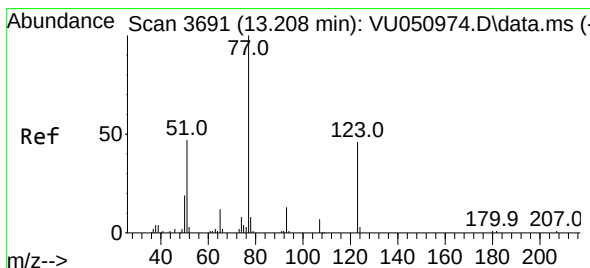
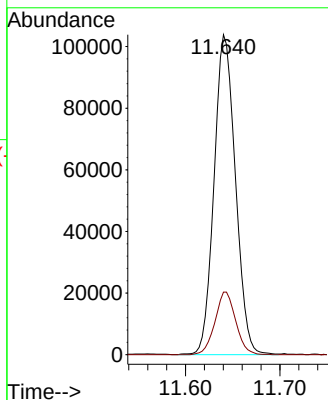
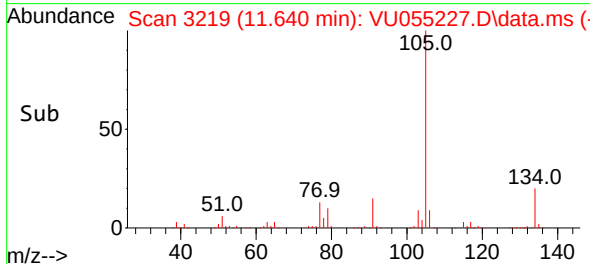
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC002



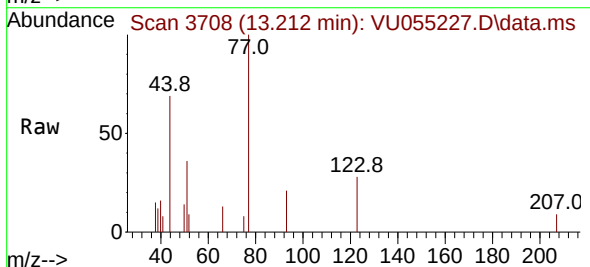
Tgt Ion:105 Resp: 163108
 Ion Ratio Lower Upper
 105 100
 134 19.0 14.9 22.3

Manual Integrations
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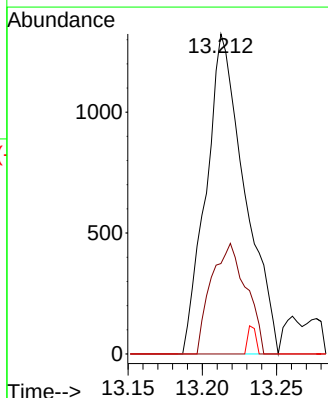
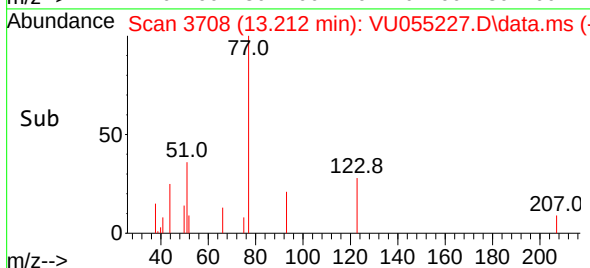
Reviewed By :John Carlone 09/12/2023
 Supervised By :Mahesh Dadoda 09/12/2023

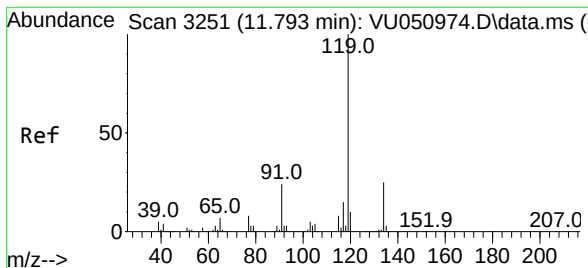


#80
 Nitrobenzene
 Concen: 6.697 ug/l
 RT: 13.212 min Scan# 3708
 Delta R.T. 0.004 min
 Lab File: VU055227.D
 Acq: 11 Sep 2023 10:03



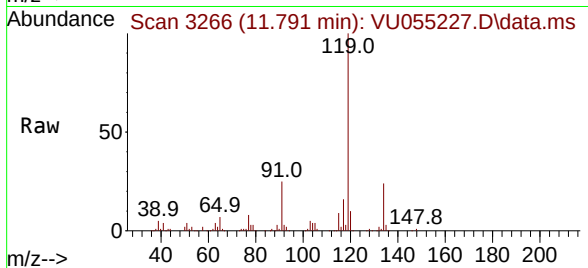
Tgt Ion: 77 Resp: 2392
 Ion Ratio Lower Upper
 77 100
 123 31.3 19.7 69.7
 65 1.8 11.5 14.7#





#81
p-Isopropyltoluene
Concen: 1.878 ug/l
RT: 11.791 min Scan# 31
Delta R.T. -0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

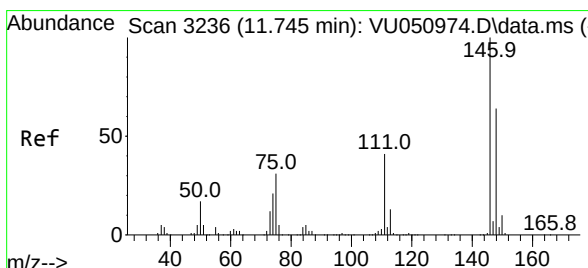
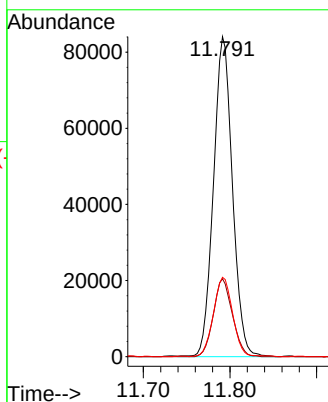
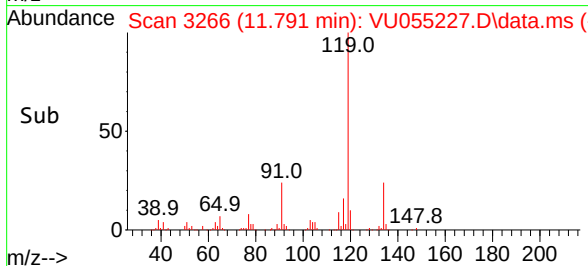
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002



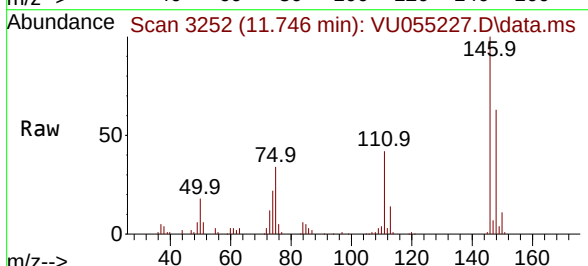
Tgt Ion:119 Resp: 127950
Ion Ratio Lower Upper
119 100
134 24.4 20.2 30.4
91 25.2 19.3 28.9

Manual Integrations
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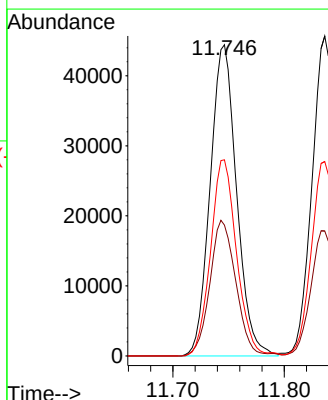
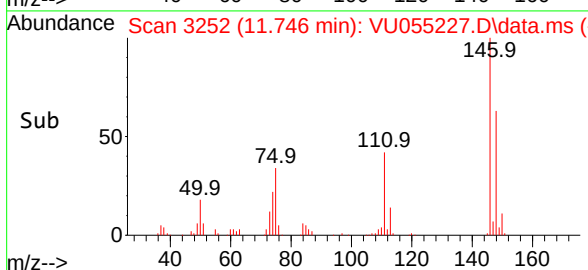
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

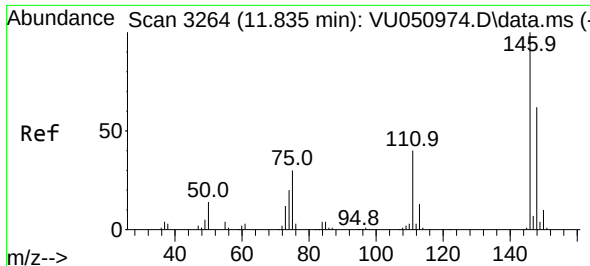


#82
1,3-Dichlorobenzene
Concen: 2.123 ug/l
RT: 11.746 min Scan# 3252
Delta R.T. 0.001 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03



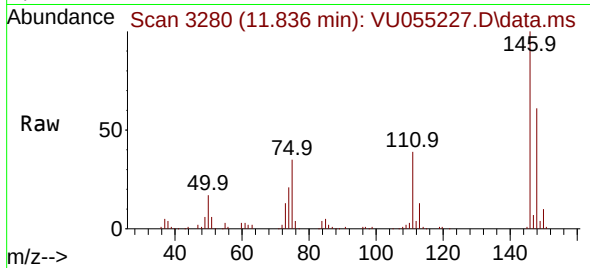
Tgt Ion:146 Resp: 73326
Ion Ratio Lower Upper
146 100
111 42.9 32.6 49.0
148 62.0 51.0 76.4





#83
1,4-Dichlorobenzene
Concen: 2.056 ug/l
RT: 11.836 min Scan# 31
Delta R.T. 0.001 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

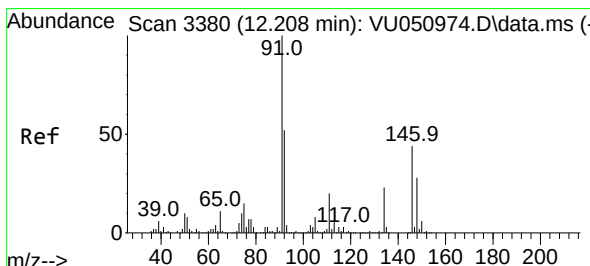
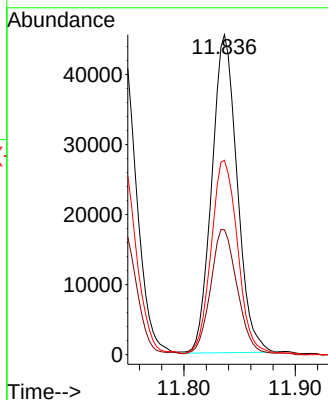
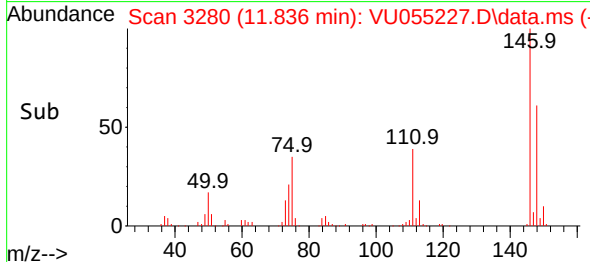
Instrument :
MSVOA_U
ClientSampleId :
VSTDICC002



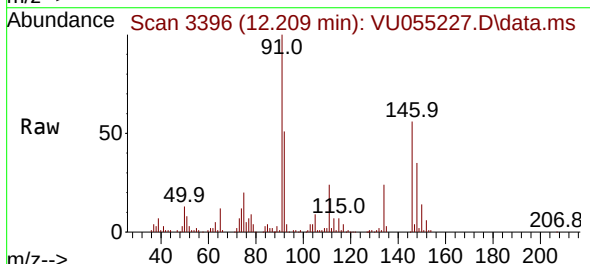
Tgt Ion:146 Resp: 7187
Ion Ratio Lower Upper
146 100
111 40.6 31.6 47.4
148 64.6 50.3 75.5

Manual Integrations
APPROVED

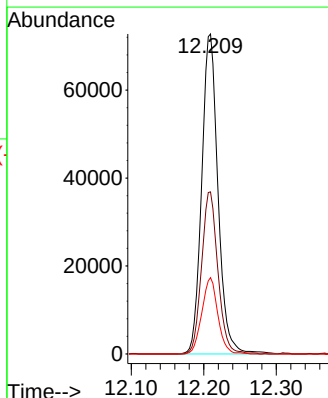
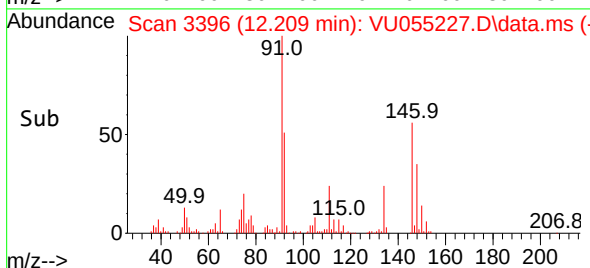
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

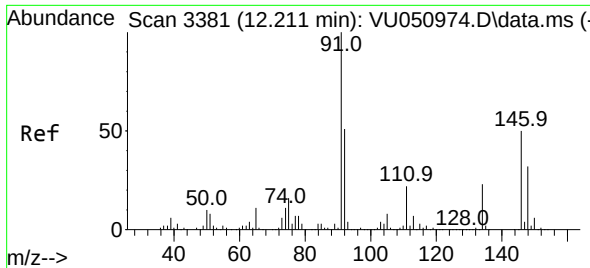


#84
n-Butylbenzene
Concen: 1.690 ug/l
RT: 12.209 min Scan# 3396
Delta R.T. 0.001 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03



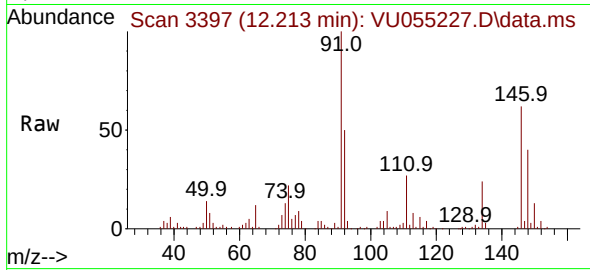
Tgt Ion: 91 Resp: 113770
Ion Ratio Lower Upper
91 100
92 50.5 40.8 61.2
134 23.3 18.4 27.6





#85
1,2-Dichlorobenzene
Concen: 2.065 ug/l
RT: 12.213 min Scan# 3111
Delta R.T. 0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

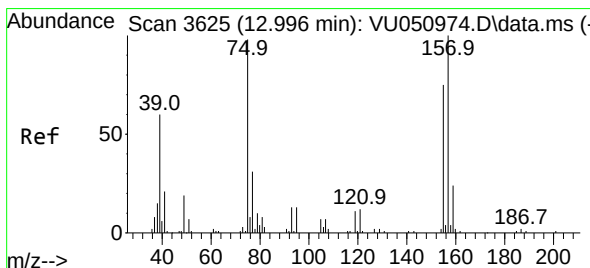
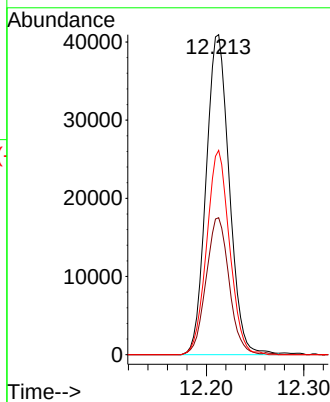
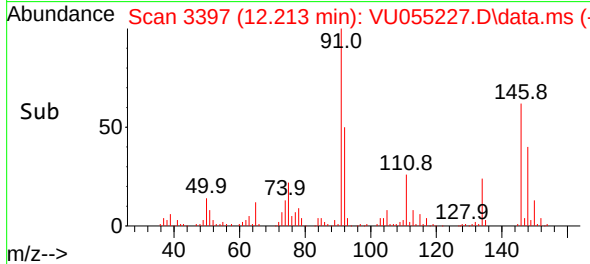
Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002



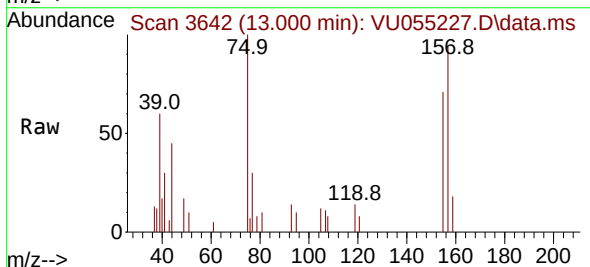
Tgt Ion:146 Resp: 67588
Ion Ratio Lower Upper
146 100
111 42.6 21.6 64.6
148 63.2 32.1 96.5

Manual Integrations
APPROVED

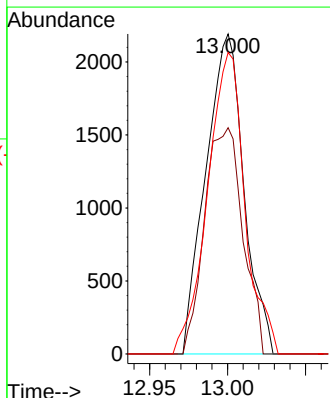
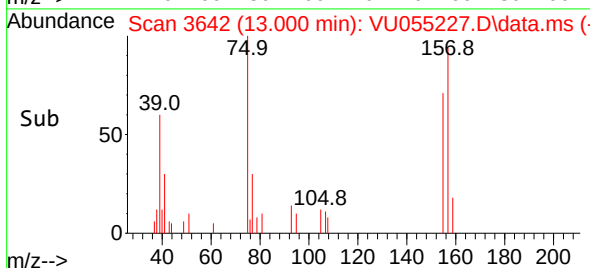
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023

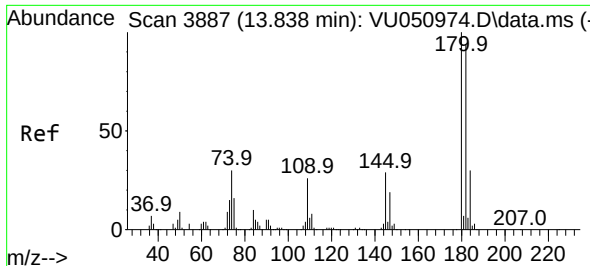


#86
1,2-Dibromo-3-Chloropropane
Concen: 1.721 ug/l
RT: 13.000 min Scan# 3642
Delta R.T. 0.004 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03



Tgt Ion: 75 Resp: 3716
Ion Ratio Lower Upper
75 100
155 71.3 61.8 92.8
157 92.3 80.2 120.4





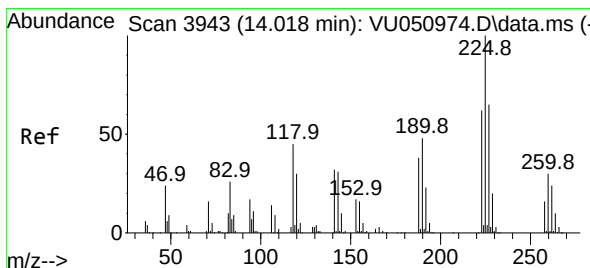
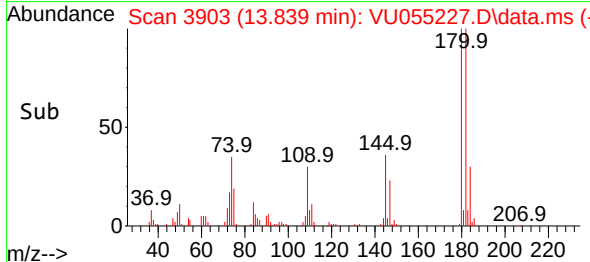
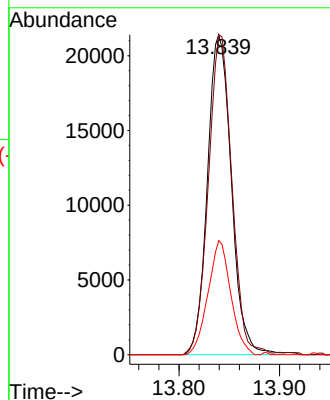
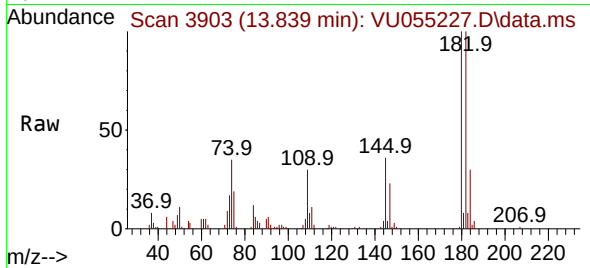
#87
1,2,4-Trichlorobenzene
Concen: 1.849 ug/l
RT: 13.839 min Scan# 3903
Delta R.T. 0.001 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion:180 Resp: 3530
Ion Ratio Lower Upper
180 100
182 98.4 75.8 113.6
145 34.0 23.9 35.9

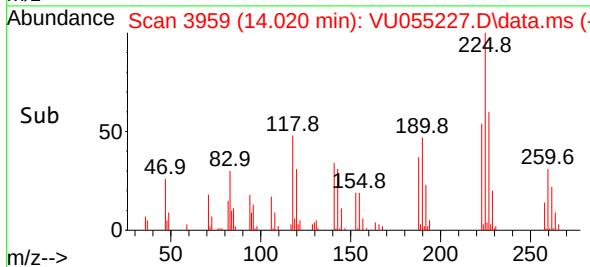
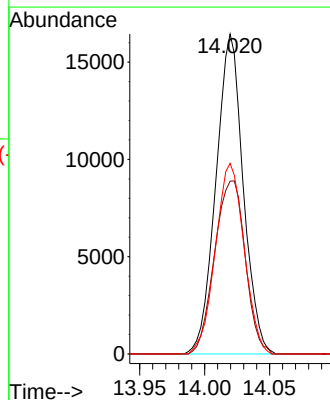
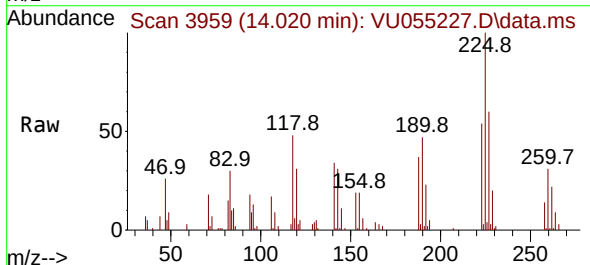
Manual Integrations
APPROVED

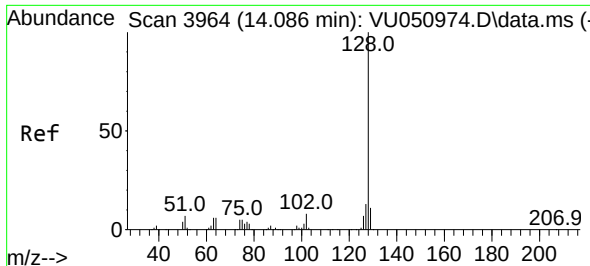
Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#88
Hexachlorobutadiene
Concen: 2.625 ug/l
RT: 14.020 min Scan# 3959
Delta R.T. 0.002 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Tgt Ion:225 Resp: 23965
Ion Ratio Lower Upper
225 100
223 60.8 50.2 75.4
227 62.5 51.5 77.3





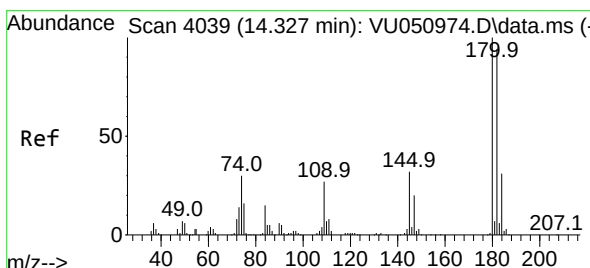
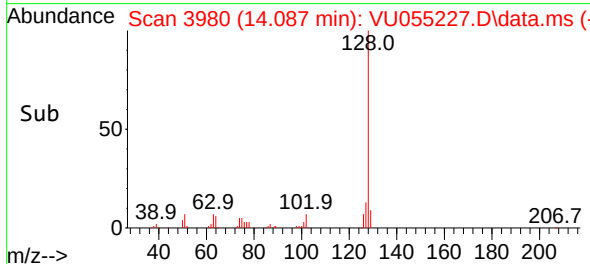
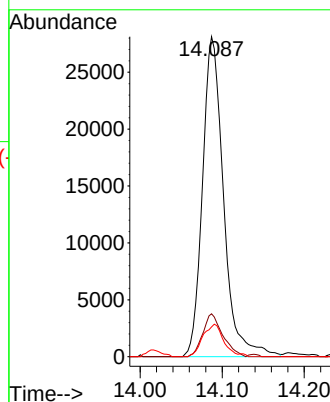
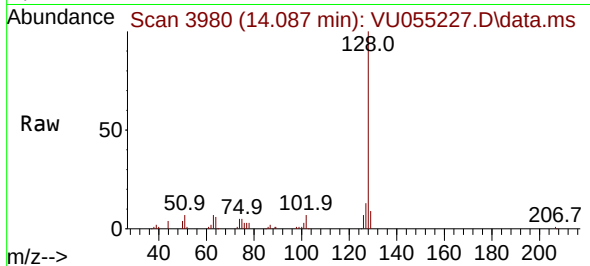
#89
Naphthalene
Concen: 1.306 ug/l
RT: 14.087 min Scan# 3964
Delta R.T. 0.001 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC002

Tgt Ion:128 Resp: 5015
Ion Ratio Lower Upper
128 100
127 12.7 10.9 16.3
129 10.1 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/12/2023
Supervised By :Mahesh Dadoda 09/12/2023



#90
1,2,3-Trichlorobenzene
Concen: 1.946 ug/l
RT: 14.328 min Scan# 4055
Delta R.T. 0.001 min
Lab File: VU055227.D
Acq: 11 Sep 2023 10:03

Tgt Ion:180 Resp: 32008
Ion Ratio Lower Upper
180 100
182 91.1 75.7 113.5
145 31.9 26.1 39.1

