

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111721\
 Data File : VU045850.D
 Acq On : 17 Nov 2021 19:16
 Operator : SY/MD
 Sample : M4664-04MSD
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 H4649MSD

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/18/2021
 Supervised By : Mahesh Dadoda 11/22/2021

Quant Time: Nov 18 02:23:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 18 02:11:55 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	100317	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	103725	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	54994	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	40560	5.103	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.000%
7) Chloroethane-d5	1.916	69	29586	5.113	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.200%
11) 1,1-Dichloroethene-d2	2.572	65	16718	5.015	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.400%
20) 2-Butanone-d5	4.646	46	105984	49.759	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.520%
24) Chloroform-d	5.067	84	64926	4.903	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.000%
26) 1,2-Dichloroethane-d4	5.707	65	35288	4.542	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
32) Benzene-d6	5.729	84	130605	4.572	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.400%
36) 1,2-Dichloropropane-d6	6.694	67	40375	4.485	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.600%
41) Toluene-d8	7.899	98	118608	4.590	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
43) trans-1,3-Dichloroprop...	8.182	79	16990	4.649	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.000%
46) 2-Hexanone-d5	8.636	63	78443	47.689	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.380%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	36423	4.789	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	43658	4.624	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	34919	4.275	ug/L	99
3) Chloromethane	1.520	50	36344	4.199	ug/L	98
5) Vinyl chloride	1.604	62	159636	18.375	ug/L	100
6) Bromomethane	1.861	94	13632	2.646	ug/L	97
8) Chloroethane	1.938	64	31118m	6.282	ug/L	
9) Trichlorofluoromethane	2.141	101	49511	4.414	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.585	101	28534	4.339	ug/L	96
12) 1,1-Dichloroethene	2.585	96	27850	4.485	ug/L	89
13) Acetone	2.665	43	58404	46.587	ug/L	100
14) Carbon disulfide	2.797	76	85674	4.362	ug/L	99
15) Methyl Acetate	2.964	43	14161	4.604	ug/L	96
16) Methylene chloride	3.051	84	32458	3.540	ug/L	96
17) Methyl tert-butyl Ether	3.369	73	231721	14.333	ug/L	100
18) trans-1,2-Dichloroethene	3.359	96	46377	6.967	ug/L	95
19) 1,1-Dichloroethane	3.874	63	66374	5.323	ug/L	99
21) 2-Butanone	4.723	43	106150	50.324	ug/L	98
22) cis-1,2-Dichloroethene	4.671	96	45377	6.287	ug/L	97
23) Bromochloromethane	4.977	128	15601	4.959	ug/L	97
25) Chloroform	5.092	83	60063	4.440	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	38979	4.515	ug/L	99
29) 1,1,1-Trichloroethane	5.321	97	50011	4.438	ug/L	100
30) Cyclohexane	5.395	56	46907	4.197	ug/L	99
31) Carbon tetrachloride	5.527	117	43929	4.635	ug/L	97
33) Benzene	5.777	78	137236	4.741	ug/L	100
34) Trichloroethene	6.546	95	32469	4.353	ug/L	98
35) Methylcyclohexane	6.768	83	48728	4.254	ug/L	98
37) 1,2-Dichloropropane	6.797	63	34598	4.542	ug/L	100
38) Bromodichloromethane	7.108	83	43356	4.613	ug/L	98
39) cis-1,3-Dichloropropene	7.610	75	47861	4.422	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	242352	48.507	ug/L	99
42) Toluene	7.970	91	141374	4.732	ug/L	98
44) trans-1,3-Dichloropropene	8.211	75	42613	4.525	ug/L	97
45) 1,1,2-Trichloroethane	8.404	97	26246	4.641	ug/L	98
47) Tetrachloroethene	8.555	164	23423	4.485	ug/L	100
48) 2-Hexanone	8.687	43	184626	51.151	ug/L	100
49) Dibromochloromethane	8.813	129	30663	4.761	ug/L	91
50) 1,2-Dibromoethane	8.925	107	24347	4.570	ug/L	95
51) Chlorobenzene	9.449	112	87560	4.672	ug/L	99
52) Ethylbenzene	9.571	91	144782	4.629	ug/L	100
53) m,p-Xylene	9.697	106	56845	4.745	ug/L	97
54) o-Xylene	10.105	106	55070	4.764	ug/L	97
55) Styrene	10.115	104	96474	4.957	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.784	83	35310	4.875	ug/L	96
59) Bromoform	10.292	173	16093	4.418	ug/L	99
60) Isopropylbenzene	10.488	105	146535	4.539	ug/L	99
61) 1,2,3-Trichloropropane	10.825	75	25510	4.468	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	119234	4.517	ug/L	100
63) 1,2,4-Trimethylbenzene	11.472	105	121143	4.580	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	69318	4.602	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	69406	4.536	ug/L	100
67) 1,2-Dichlorobenzene	12.214	146	66870	4.630	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	4940	4.159	ug/L	83
69) 1,3,5-Trichlorobenzene	13.221	180	50296	4.464	ug/L	98
70) 1,2,4-trichlorobenzene	13.841	180	44362	4.653	ug/L	98
71) Naphthalene	14.086	128	89878	4.588	ug/L	100
72) 1,2,3-Trichlorobenzene	14.330	180	43496	4.585	ug/L	99

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

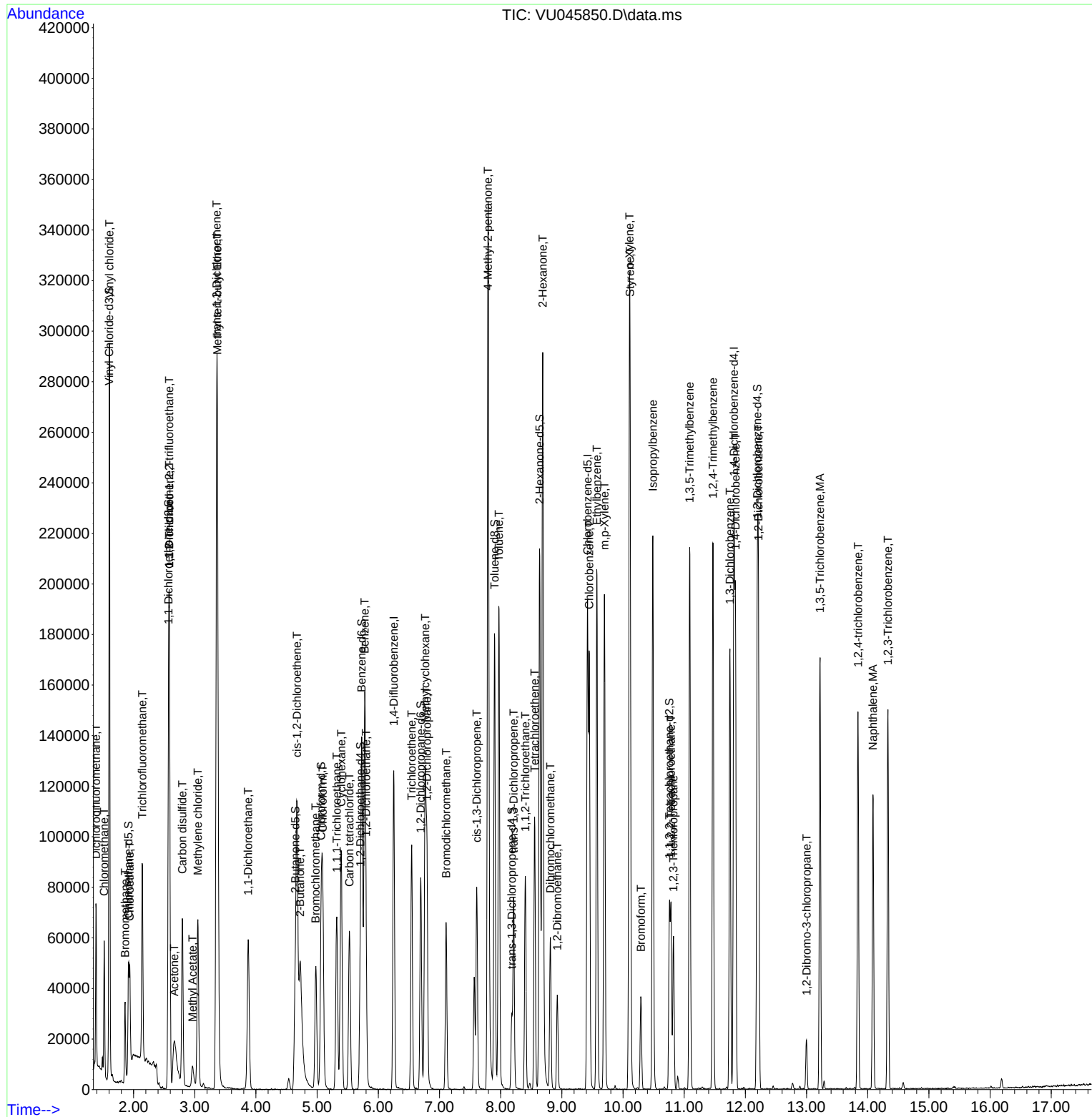
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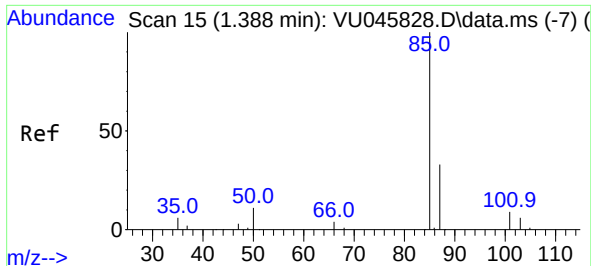
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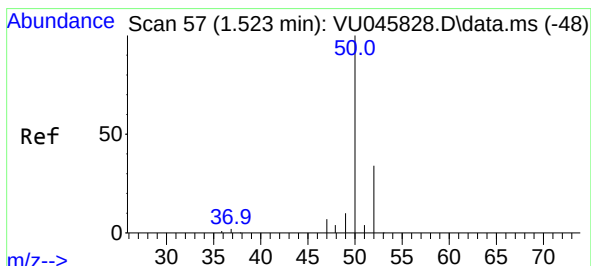
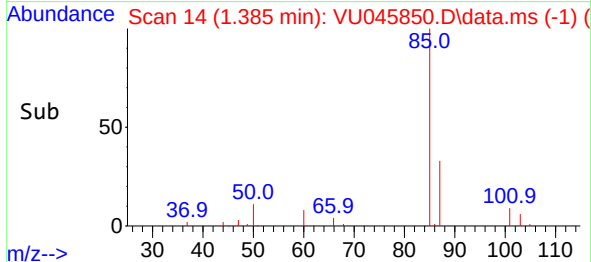
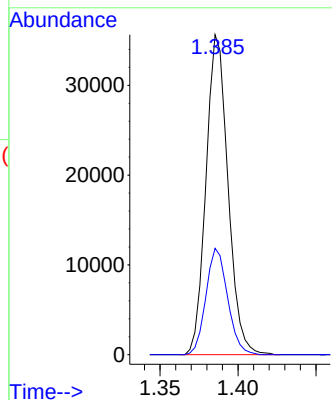
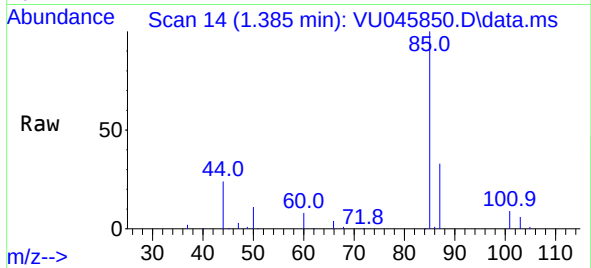
#2
Dichlorodifluoromethane
Concen: 4.275 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.003 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

Instrument :
MSVOA_U
ClientSampleId :
H4649MSD

Tgt Ion: 85 Resp: 34919
Ion Ratio Lower Upper
85 100
87 32.7 25.8 38.6

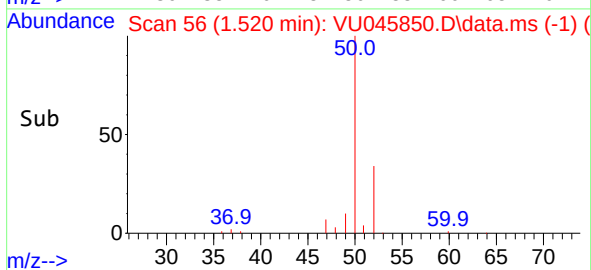
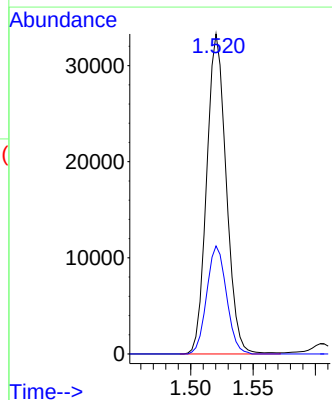
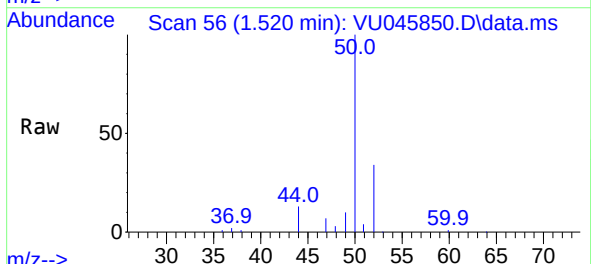
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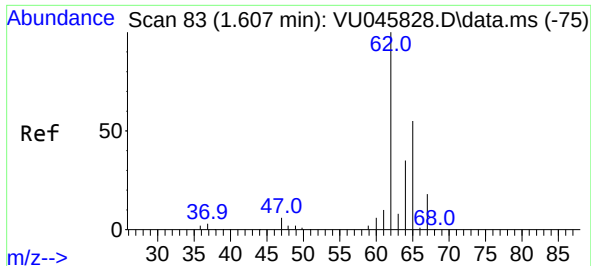
Reviewed By :John Carlone 11/18/2021
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#3
Chloromethane
Concen: 4.199 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

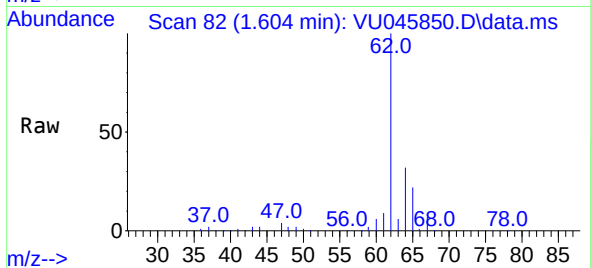
Tgt Ion: 50 Resp: 36344
Ion Ratio Lower Upper
50 100
52 33.8 23.0 42.8





#5
 Vinyl chloride
 Concen: 18.375 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU045850.D
 Acq: 17 Nov 2021 19:16

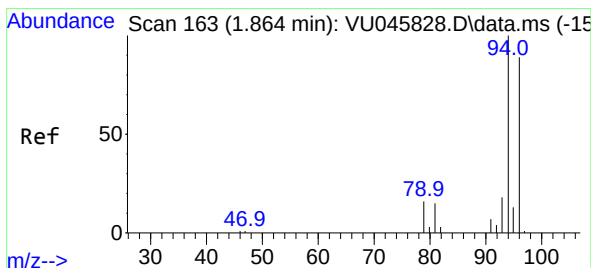
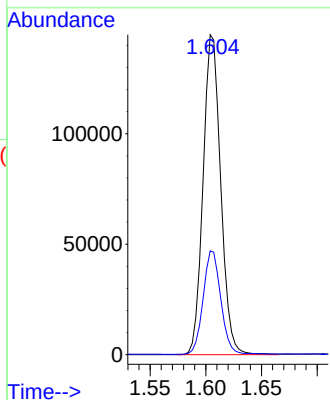
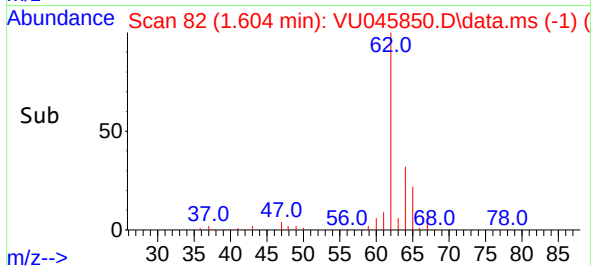
Instrument :
 MSVOA_U
 ClientSampleId :
 H4649MSD



Tgt Ion: 62 Resp: 159630
 Ion Ratio Lower Upper
 62 100
 64 32.5 22.9 42.5

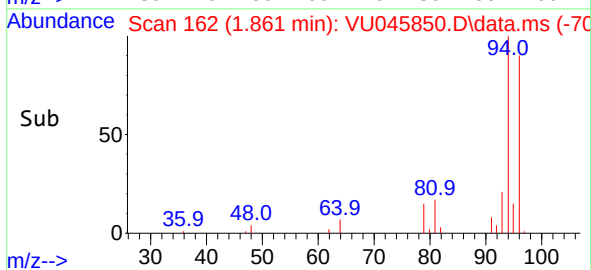
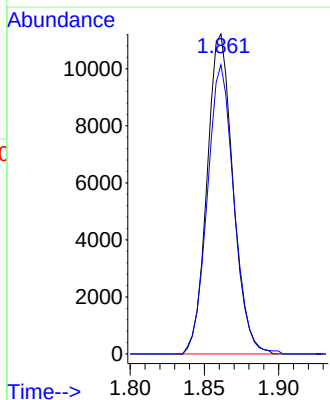
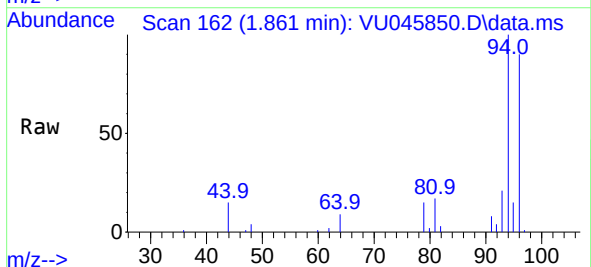
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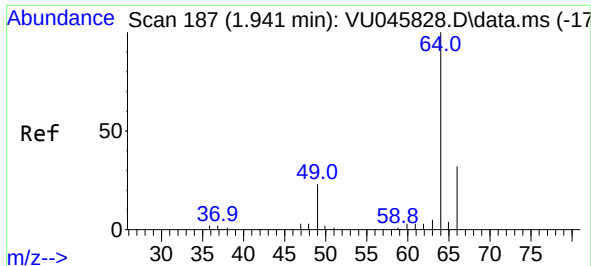
Reviewed By :John Carlone 11/18/2021
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#6
 Bromomethane
 Concen: 2.646 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. -0.003 min
 Lab File: VU045850.D
 Acq: 17 Nov 2021 19:16

Tgt Ion: 94 Resp: 13632
 Ion Ratio Lower Upper
 94 100
 96 90.3 65.5 121.6





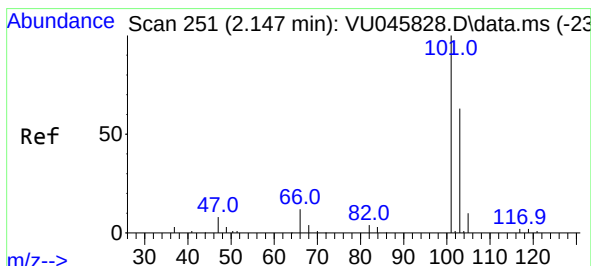
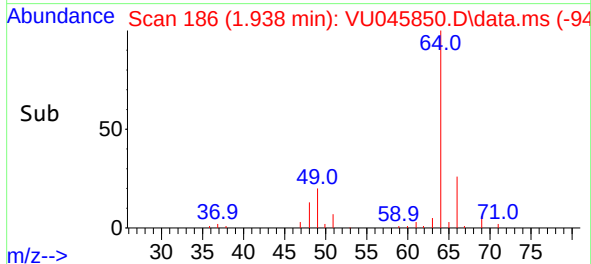
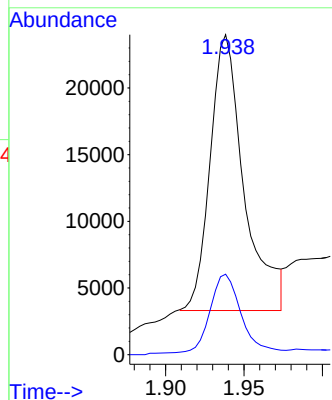
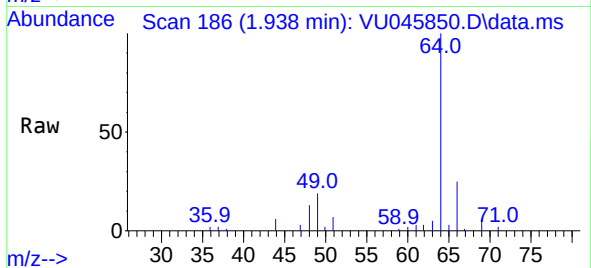
#8
Chloroethane
Concen: 6.282 ug/L m
RT: 1.938 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

Instrument :
MSVOA_U
ClientSampleId :
H4649MSD

Tgt Ion: 64 Resp: 31118
Ion Ratio Lower Upper
64 100
66 25.2 22.1 41.1

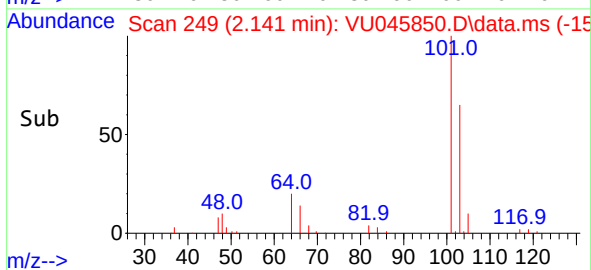
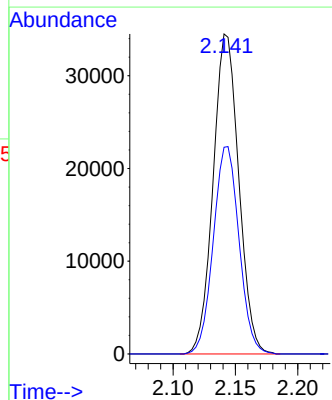
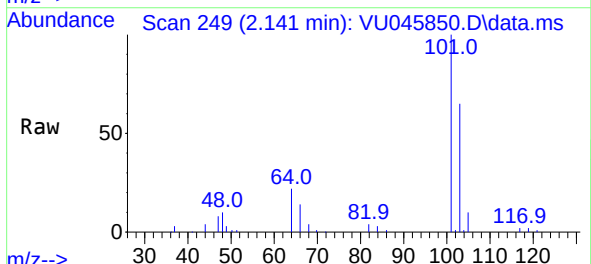
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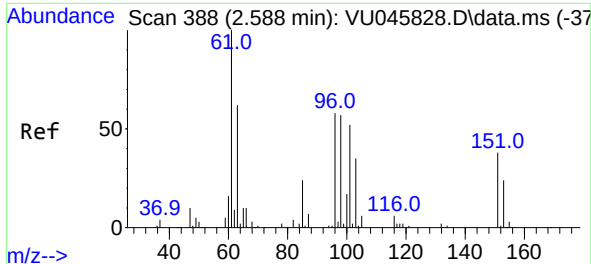
Reviewed By :John Carlone 11/18/2021
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#9
Trichlorofluoromethane
Concen: 4.414 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.006 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

Tgt Ion:101 Resp: 49511
Ion Ratio Lower Upper
101 100
103 64.9 51.5 77.3





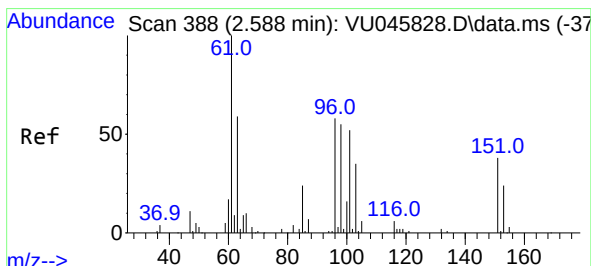
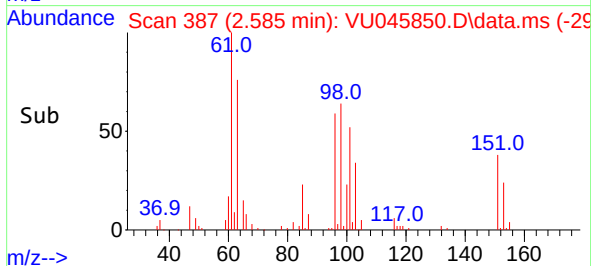
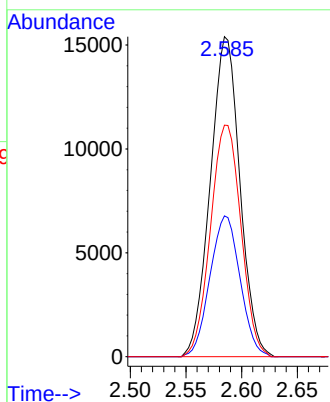
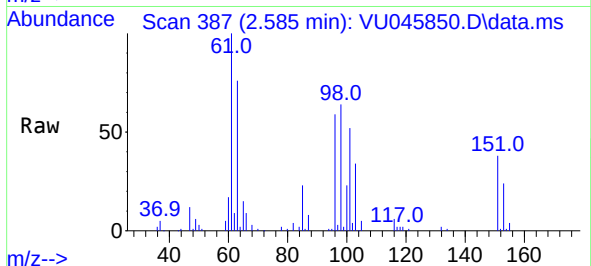
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.339 ug/L
RT: 2.585 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU045850.D
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Tgt Ion:101 Resp: 28534
Ion Ratio Lower Upper
101 100
85 44.6 34.6 51.8
151 74.3 56.1 84.1

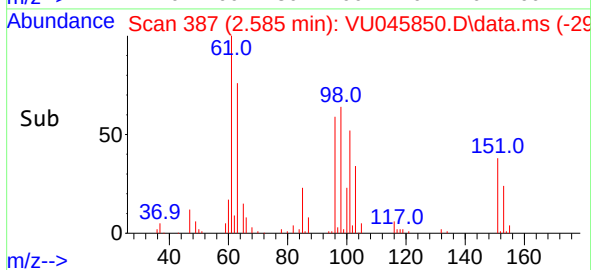
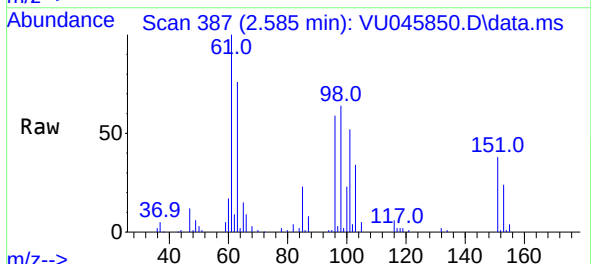
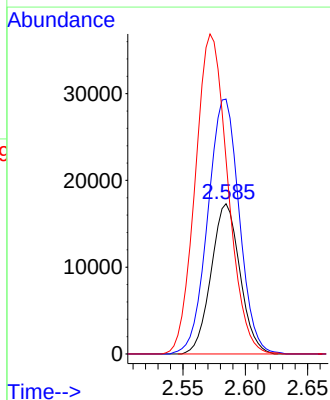
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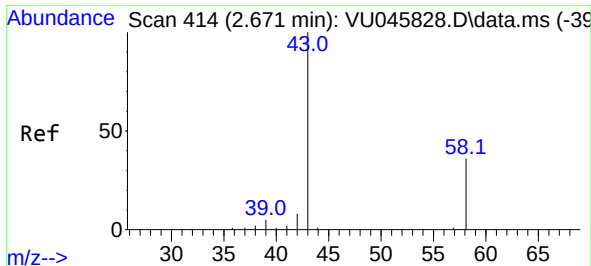
Reviewed By :John Carlone 11/18/2021
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#12
1,1-Dichloroethene
Concen: 4.485 ug/L
RT: 2.585 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

Tgt Ion: 96 Resp: 27850
Ion Ratio Lower Upper
96 100
61 169.6 124.7 231.5
63 129.5 105.2 195.4





#13

Acetone

Concen: 46.587 ug/L

RT: 2.665 min Scan# 41

Delta R.T. -0.006 min

Lab File: VU045850.D

Acq: 17 Nov 2021 19:16

Instrument :

MSVOA_U

ClientSampleId :

H4649MSD

Tgt Ion: 43 Resp: 5840

Ion Ratio Lower Upper

43 100

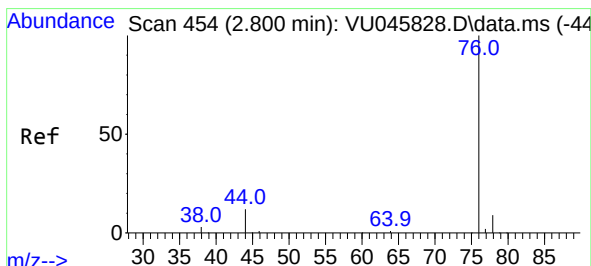
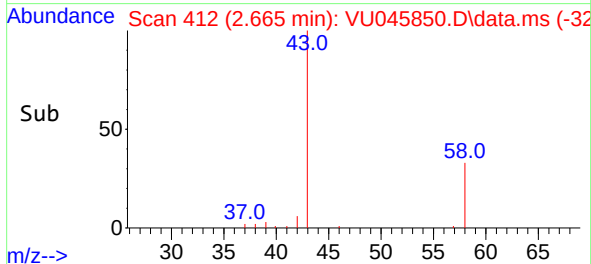
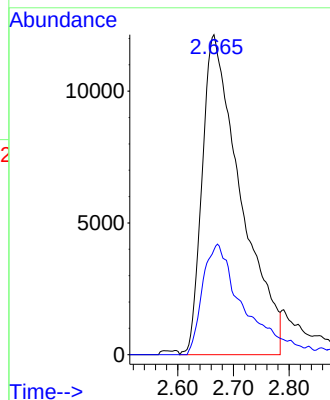
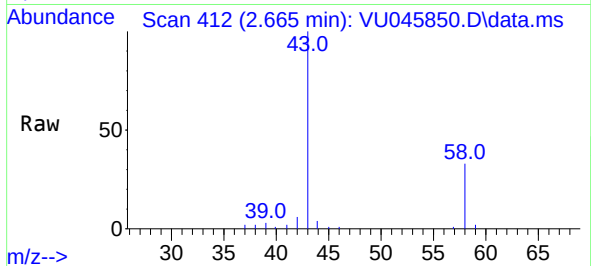
58 35.5 0.0 71.6

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#14

Carbon disulfide

Concen: 4.362 ug/L

RT: 2.797 min Scan# 453

Delta R.T. -0.003 min

Lab File: VU045850.D

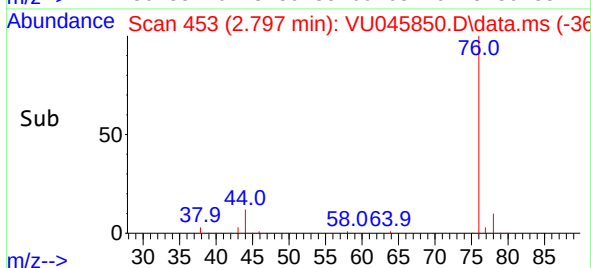
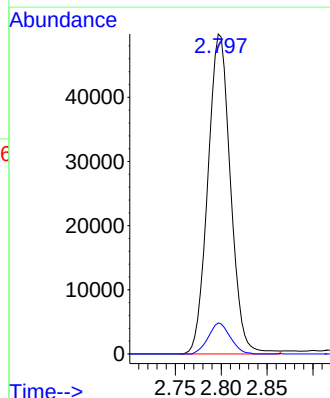
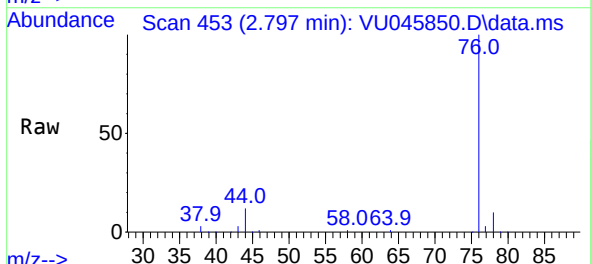
Acq: 17 Nov 2021 19:16

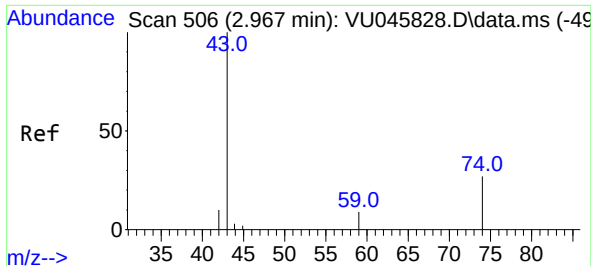
Tgt Ion: 76 Resp: 85674

Ion Ratio Lower Upper

76 100

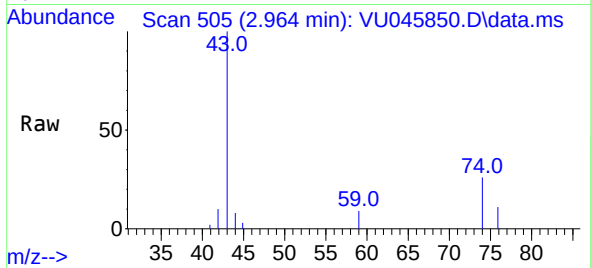
78 9.7 7.5 11.3





#15
Methyl Acetate
Concen: 4.604 ug/L
RT: 2.964 min Scan# 506
Delta R.T. -0.003 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

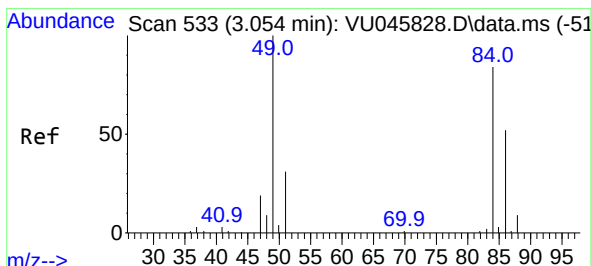
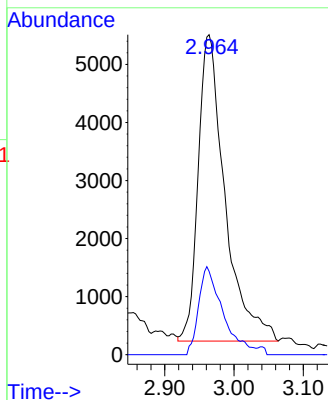
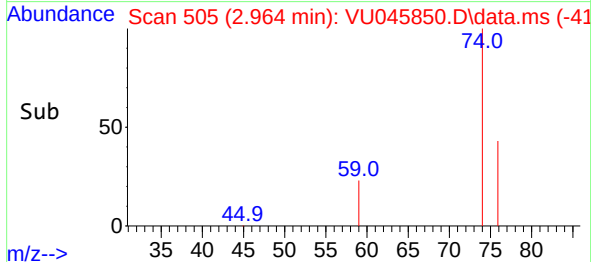
Instrument :
MSVOA_U
ClientSampleId :
H4649MSD



Tgt Ion: 43 Resp: 1416
Ion Ratio Lower Upper
43 100
74 25.9 19.1 28.7

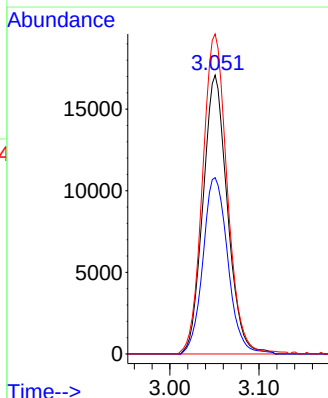
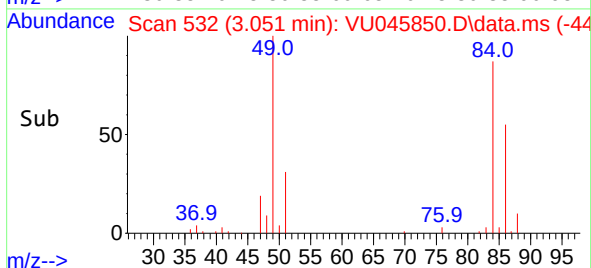
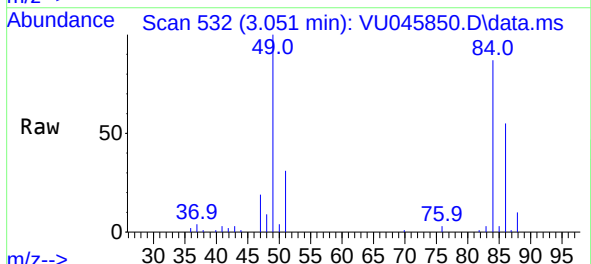
Manual Integrations
APPROVED

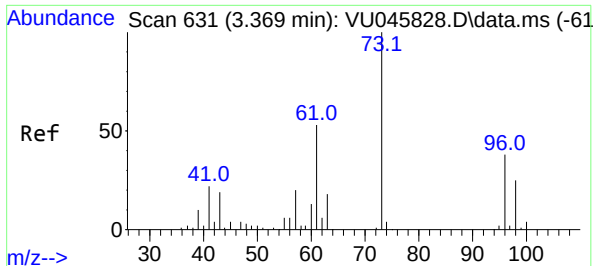
Reviewed By :John Carlone 11/18/2021
Supervised By :Mahesh Dadoda 11/22/2021



#16
Methylene chloride
Concen: 3.540 ug/L
RT: 3.051 min Scan# 532
Delta R.T. -0.003 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

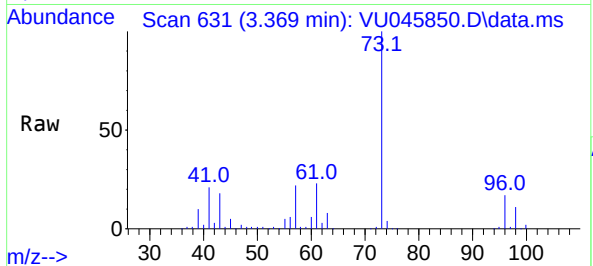
Tgt Ion: 84 Resp: 32458
Ion Ratio Lower Upper
84 100
86 63.2 45.8 85.0
49 114.7 84.5 156.9





#17
Methyl tert-butyl Ether
Concen: 14.333 ug/L
RT: 3.369 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

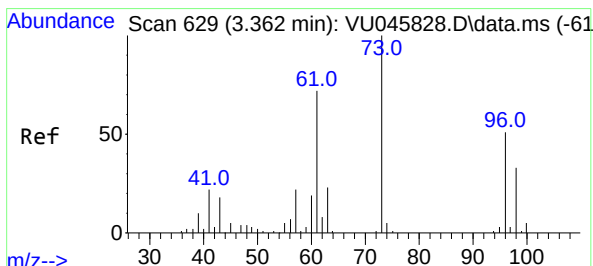
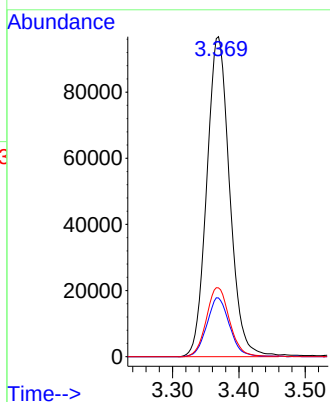
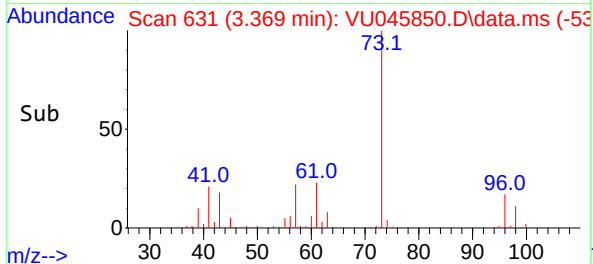
Instrument :
MSVOA_U
ClientSampleId :
H4649MSD



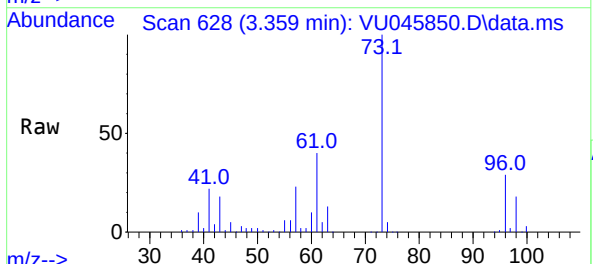
Tgt Ion: 73 Resp: 23172
Ion Ratio Lower Upper
73 100
43 18.3 14.8 22.2
57 21.9 17.4 26.0

Manual Integrations
APPROVED

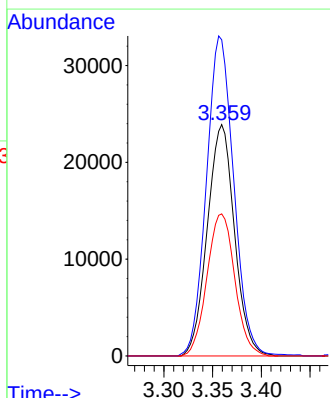
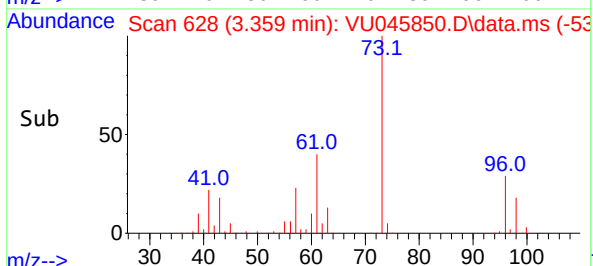
Reviewed By :John Carlone 11/18/2021
Supervised By :Mahesh Dadoda 11/22/2021

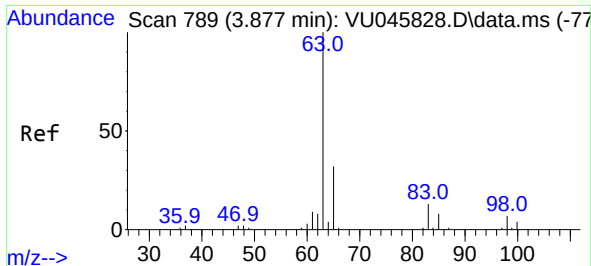


#18
trans-1,2-Dichloroethene
Concen: 6.967 ug/L
RT: 3.359 min Scan# 628
Delta R.T. -0.003 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16



Tgt Ion: 96 Resp: 46377
Ion Ratio Lower Upper
96 100
61 136.6 100.8 187.2
98 61.4 45.1 83.7





#19

1,1-Dichloroethane

Concen: 5.323 ug/L

RT: 3.874 min Scan# 71

Delta R.T. -0.003 min

Lab File: VU045850.D

Acq: 17 Nov 2021 19:16

Instrument :

MSVOA_U

ClientSampleId :

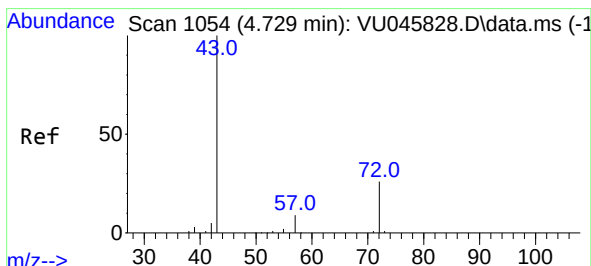
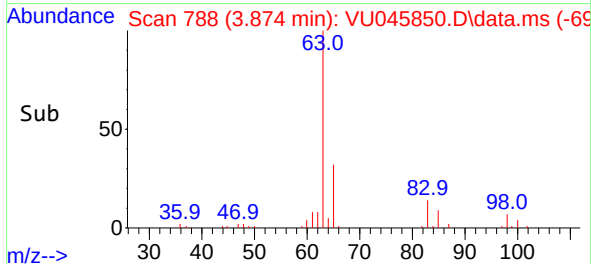
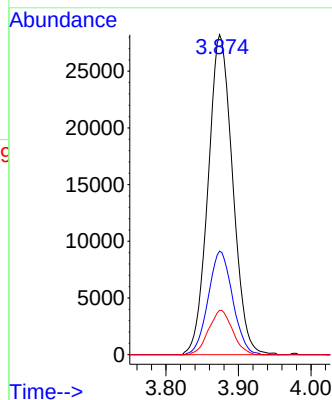
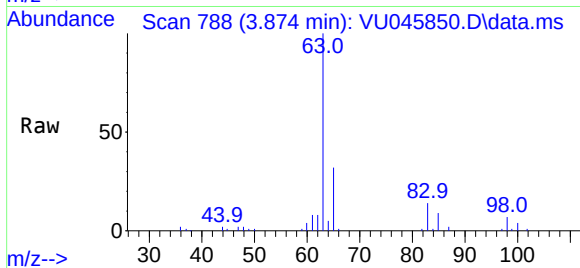
H4649MSD

Tgt Ion: 63 Resp: 66374
 Ion Ratio Lower Upper
 63 100
 65 32.3 22.3 41.5
 83 13.8 9.6 17.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/18/2021
 Supervised By :Mahesh Dadoda 11/22/2021



#21

2-Butanone

Concen: 50.324 ug/L

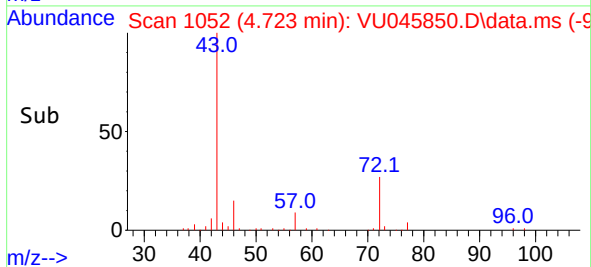
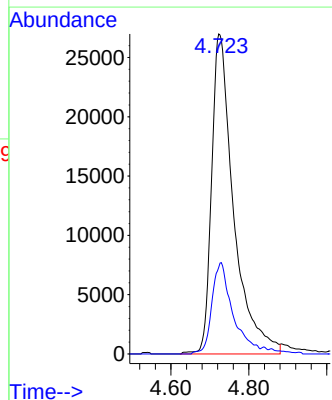
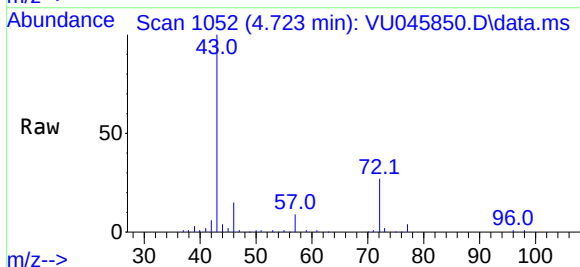
RT: 4.723 min Scan# 1052

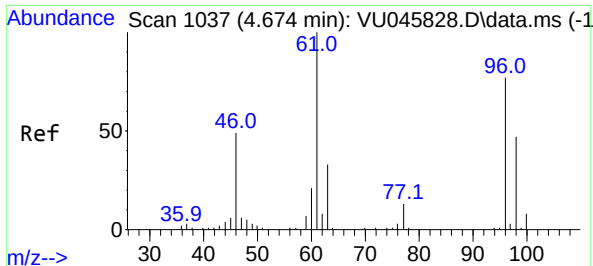
Delta R.T. -0.006 min

Lab File: VU045850.D

Acq: 17 Nov 2021 19:16

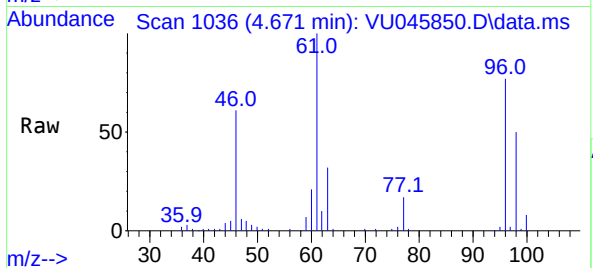
Tgt Ion: 43 Resp: 106150
 Ion Ratio Lower Upper
 43 100
 72 27.0 14.1 42.3





#22
cis-1,2-Dichloroethene
Concen: 6.287 ug/L
RT: 4.671 min Scan# 1037
Delta R.T. -0.003 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

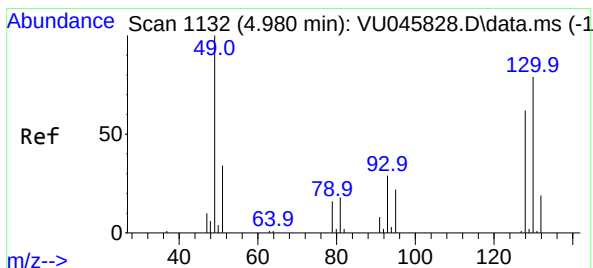
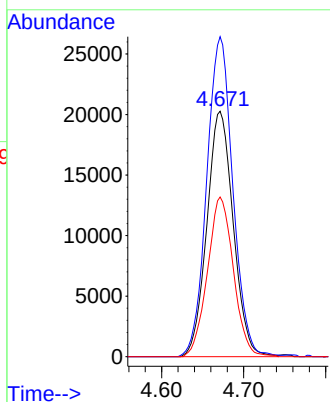
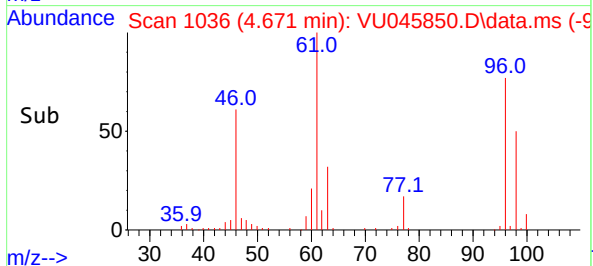
Instrument :
MSVOA_U
ClientSampleId :
H4649MSD



Tgt Ion: 96 Resp: 4537
Ion Ratio Lower Upper
96 100
61 130.3 88.5 164.3
98 65.1 44.4 82.5

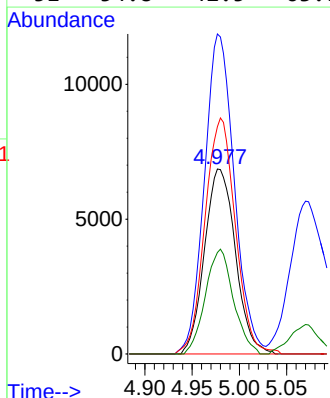
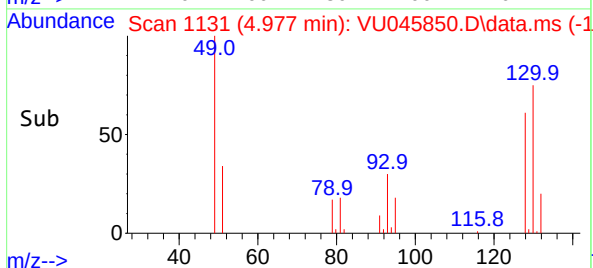
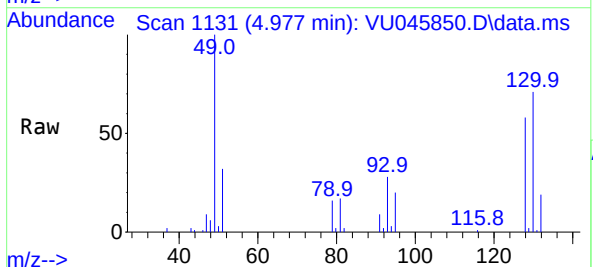
Manual Integrations
APPROVED

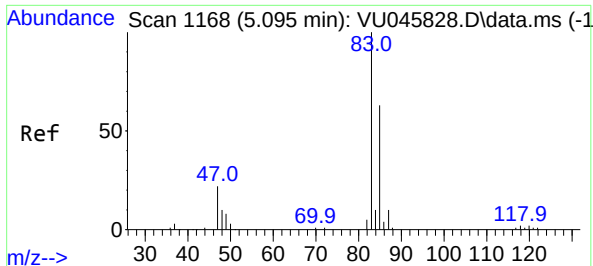
Reviewed By :John Carlone 11/18/2021
Supervised By :Mahesh Dadoda 11/22/2021



#23
Bromochloromethane
Concen: 4.959 ug/L
RT: 4.977 min Scan# 1131
Delta R.T. -0.003 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

Tgt Ion:128 Resp: 15601
Ion Ratio Lower Upper
128 100
49 173.0 117.0 217.2
130 122.9 88.2 163.8
51 54.8 42.5 63.7





#25

Chloroform

Concen: 4.440 ug/L

RT: 5.092 min Scan# 1168

Delta R.T. -0.003 min

Lab File: VU045850.D

Acq: 17 Nov 2021 19:16

Instrument :

MSVOA_U

ClientSampleId :

H4649MSD

Tgt Ion: 83 Resp: 6006

Ion Ratio Lower Upper

83 100

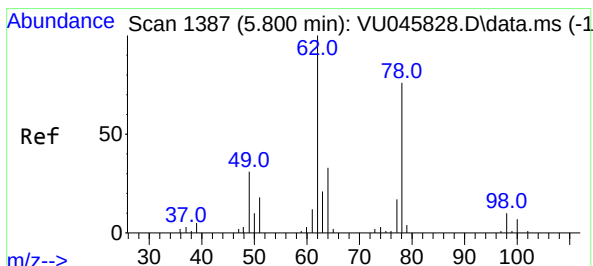
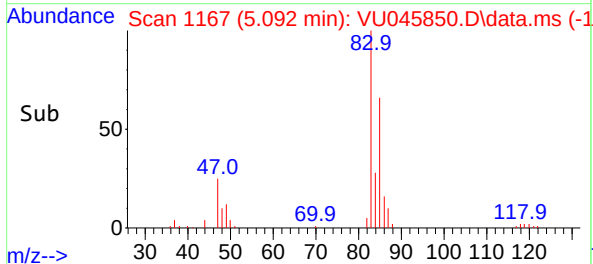
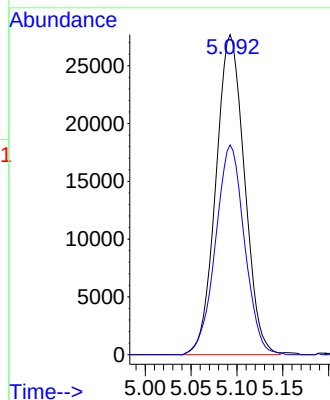
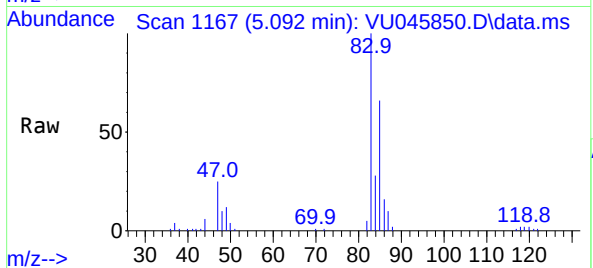
85 65.5 46.9 87.1

Manual Integrations

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Reviewed By :John Carlone 11/18/2021

Supervised By :Mahesh Dadoda 11/22/2021



#27

1,2-Dichloroethane

Concen: 4.515 ug/L

RT: 5.800 min Scan# 1387

Delta R.T. 0.000 min

Lab File: VU045850.D

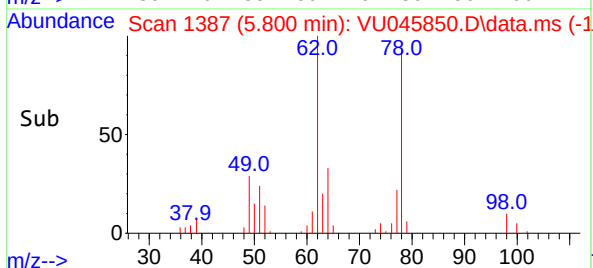
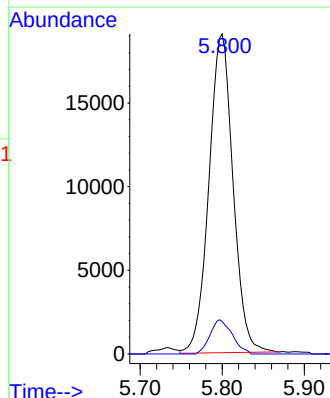
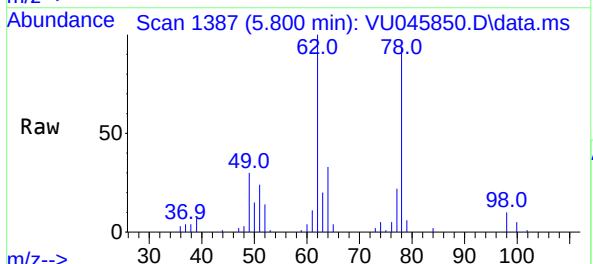
Acq: 17 Nov 2021 19:16

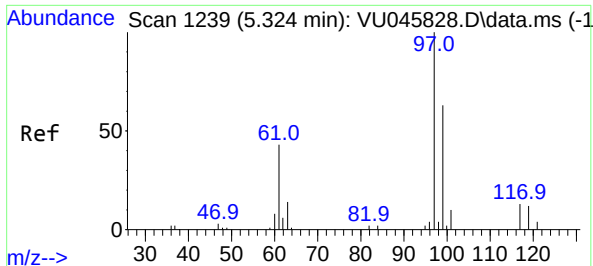
Tgt Ion: 62 Resp: 38979

Ion Ratio Lower Upper

62 100

98 10.1 7.8 11.8





#29
1,1,1-Trichloroethane
Concen: 4.438 ug/L
RT: 5.321 min Scan# 1239
Delta R.T. -0.003 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

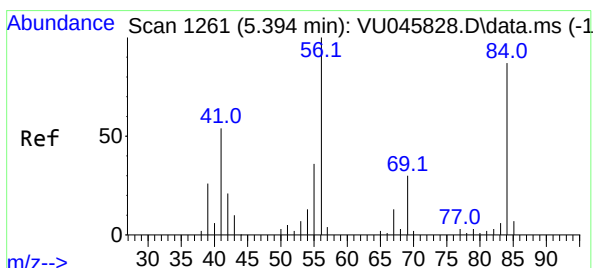
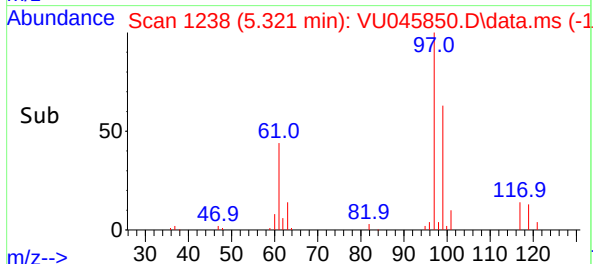
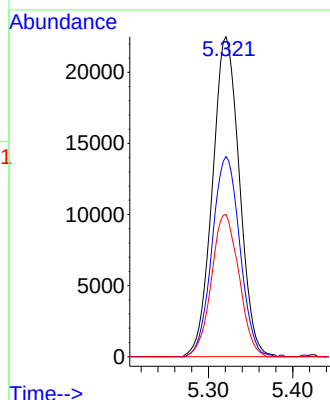
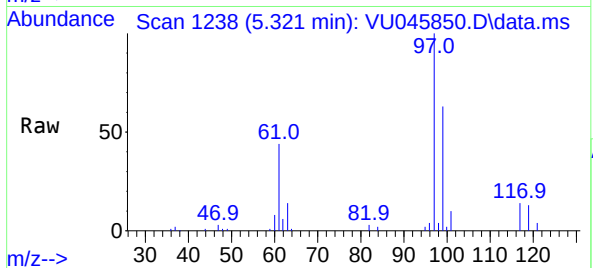
Instrument :
MSVOA_U
ClientSampleId :
H4649MSD

Tgt Ion: 97 Resp: 5001

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.3	76.9
61	45.4	36.1	54.1

Manual Integrations
APPROVED

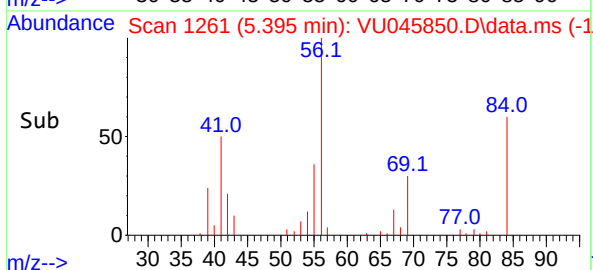
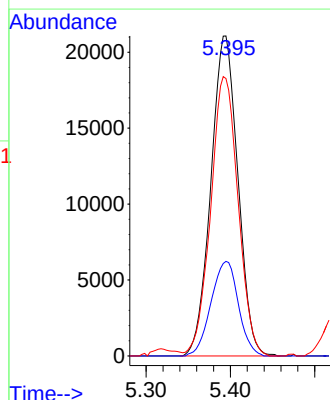
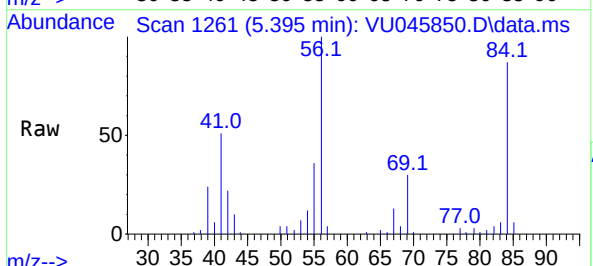
Reviewed By :John Carlone 11/18/2021
Supervised By :Mahesh Dadoda 11/22/2021

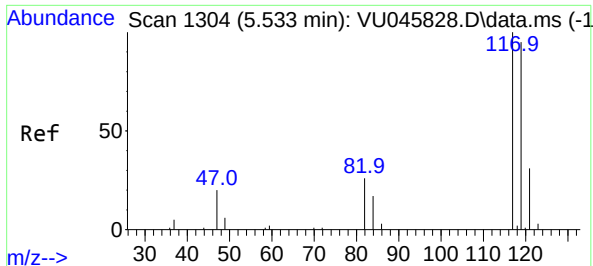


#30
Cyclohexane
Concen: 4.197 ug/L
RT: 5.395 min Scan# 1261
Delta R.T. 0.000 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

Tgt Ion: 56 Resp: 46907

Ion	Ratio	Lower	Upper
56	100		
69	29.9	24.7	37.1
84	88.6	71.8	107.6





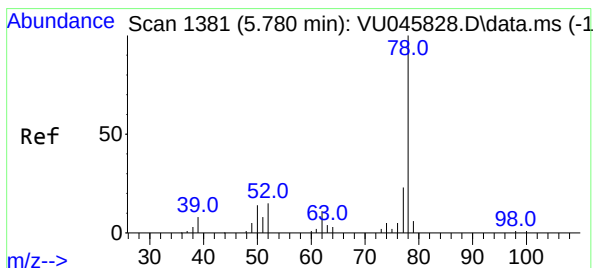
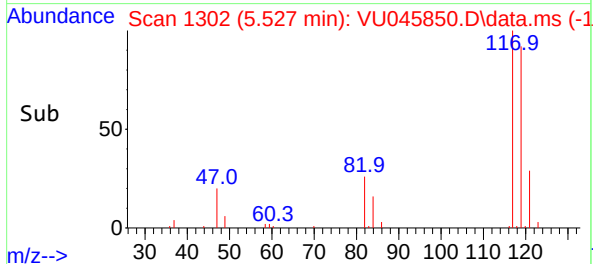
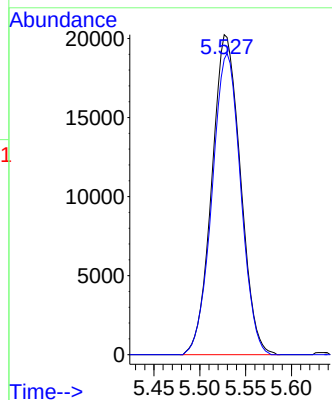
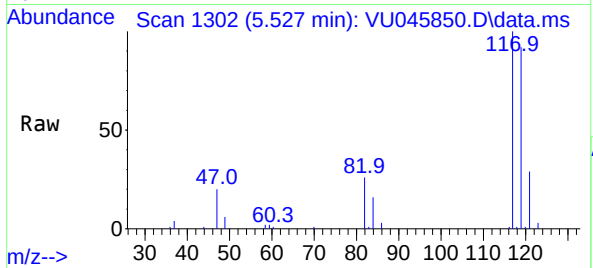
#31
Carbon tetrachloride
Concen: 4.635 ug/L
RT: 5.527 min Scan# 117
Delta R.T. -0.006 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

Instrument :
MSVOA_U
ClientSampleId :
H4649MSD

Tgt Ion:117 Resp: 43929
Ion Ratio Lower Upper
117 100
119 93.9 77.5 116.3

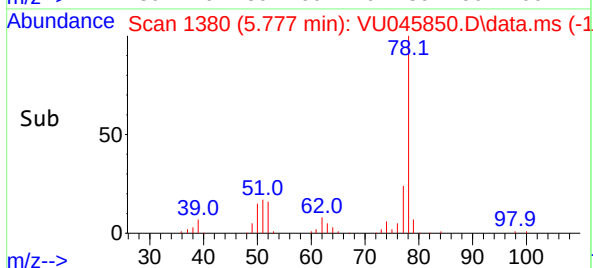
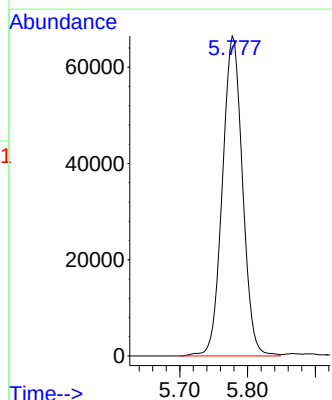
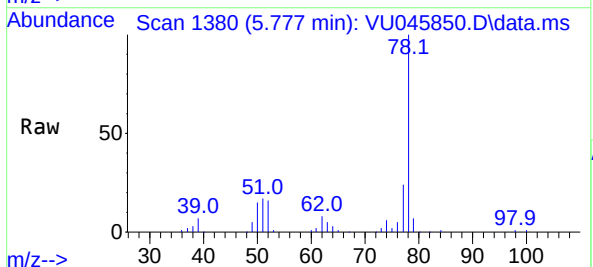
Manual Integrations
APPROVED

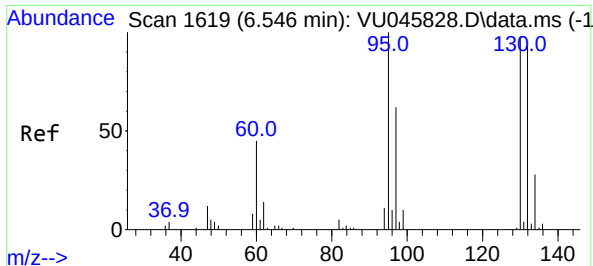
Reviewed By :John Carlone 11/18/2021
Supervised By :Mahesh Dadoda 11/22/2021



#33
Benzene
Concen: 4.741 ug/L
RT: 5.777 min Scan# 1380
Delta R.T. -0.003 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

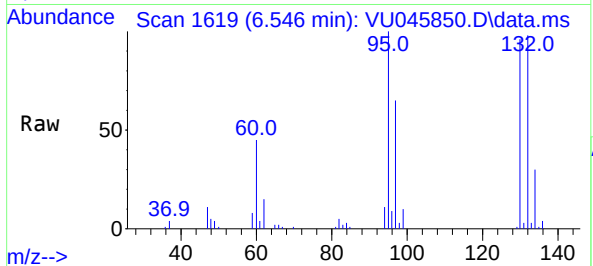
Tgt Ion: 78 Resp: 137236





#34
Trichloroethene
Concen: 4.353 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

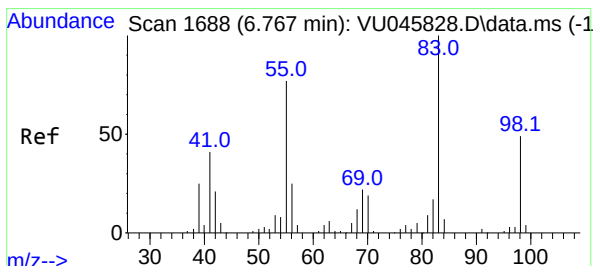
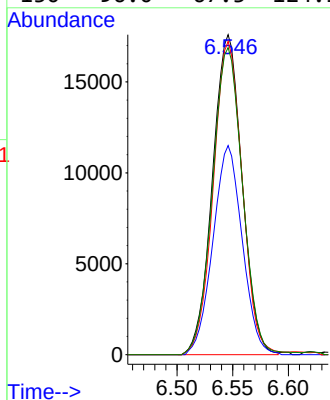
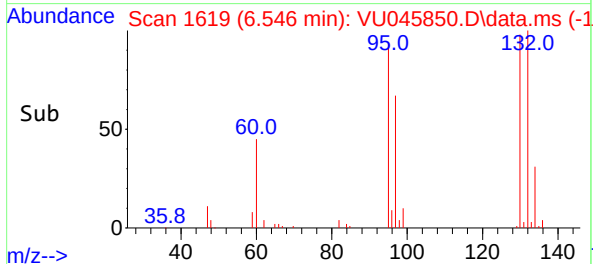
Instrument :
MSVOA_U
ClientSampleId :
H4649MSD



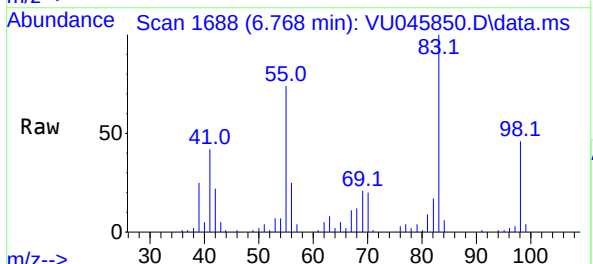
Tgt Ion: 95 Resp: 32469
Ion Ratio Lower Upper
95 100
97 65.3 46.5 86.5
132 97.9 65.1 120.9
130 96.0 67.3 124.9

Manual Integrations
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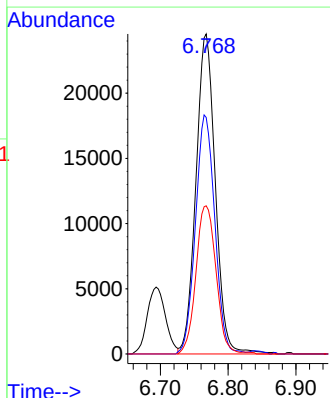
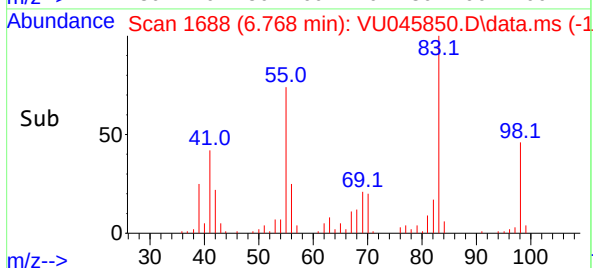
Reviewed By :John Carlone 11/18/2021
Supervised By :Mahesh Dadoda 11/22/2021

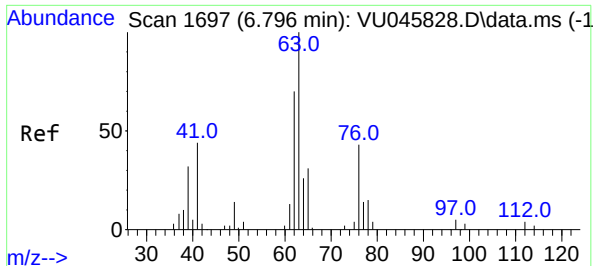


#35
Methylcyclohexane
Concen: 4.254 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16



Tgt Ion: 83 Resp: 48728
Ion Ratio Lower Upper
83 100
55 74.7 61.9 92.9
98 48.0 39.0 58.6





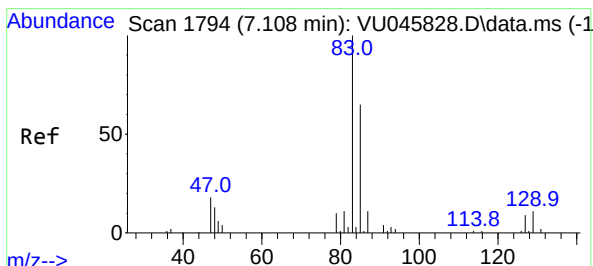
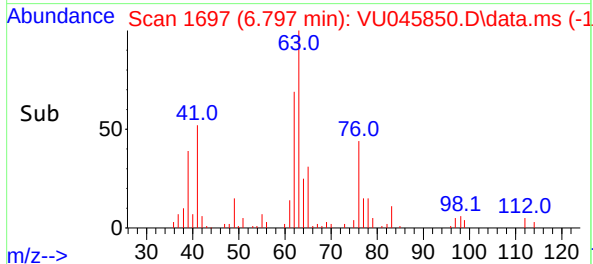
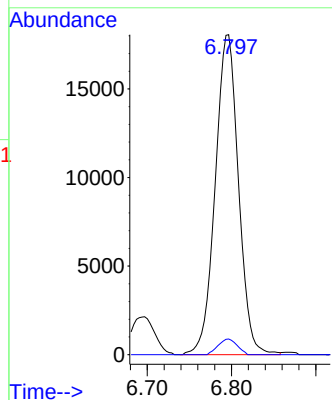
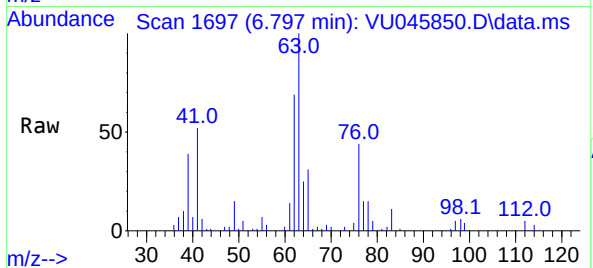
#37
1,2-Dichloropropane
Concen: 4.542 ug/L
RT: 6.797 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

Instrument :
MSVOA_U
ClientSampleId :
H4649MSD

Tgt Ion: 63 Resp: 34598
Ion Ratio Lower Upper
63 100
112 4.0 3.2 4.8

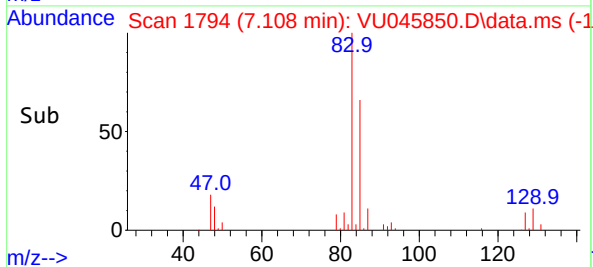
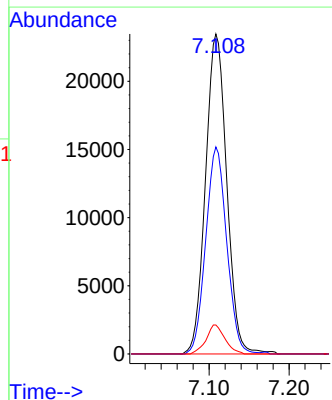
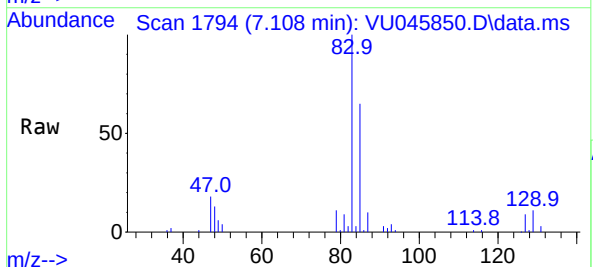
Manual Integrations
APPROVED

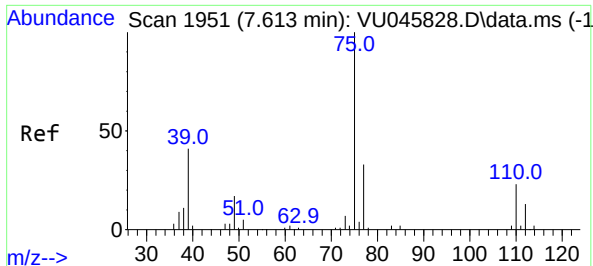
Reviewed By :John Carlone 11/18/2021
Supervised By :Mahesh Dadoda 11/22/2021



#38
Bromodichloromethane
Concen: 4.613 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

Tgt Ion: 83 Resp: 43356
Ion Ratio Lower Upper
83 100
85 64.7 44.0 81.8
127 9.0 6.3 9.5





#39

cis-1,3-Dichloropropene

Concen: 4.422 ug/L

RT: 7.610 min Scan# 1951

Delta R.T. -0.003 min

Lab File: VU045850.D

Acq: 17 Nov 2021 19:16

Instrument :

MSVOA_U

ClientSampleId :

H4649MSD

Tgt Ion: 75 Resp: 4786

Ion Ratio Lower Upper

75 100

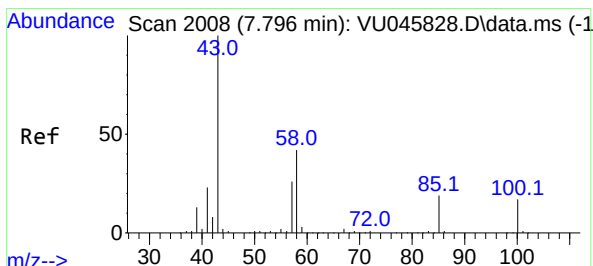
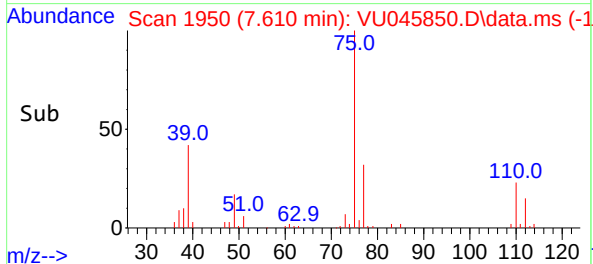
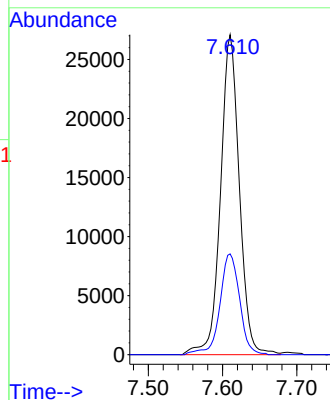
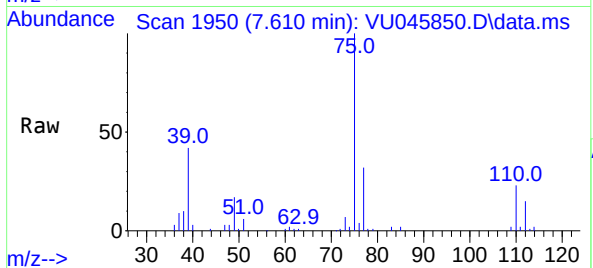
77 31.5 22.5 41.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/18/2021

Supervised By :Mahesh Dadoda 11/22/2021



#40

4-Methyl-2-pentanone

Concen: 48.507 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU045850.D

Acq: 17 Nov 2021 19:16

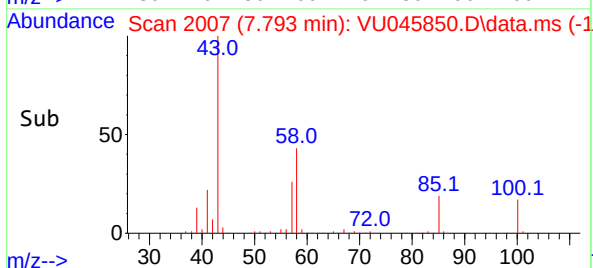
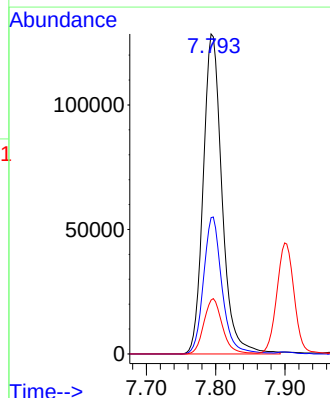
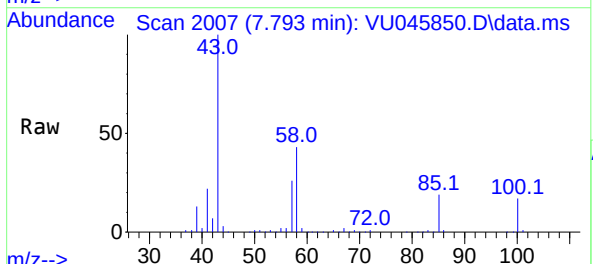
Tgt Ion: 43 Resp: 242352

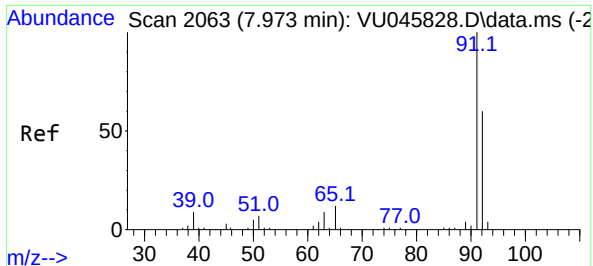
Ion Ratio Lower Upper

43 100

58 42.2 33.1 49.7

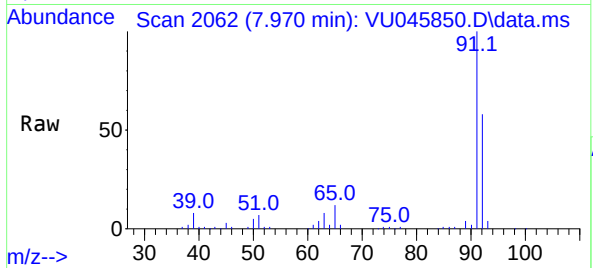
100 17.0 13.2 19.8





#42
Toluene
Concen: 4.732 ug/L
RT: 7.970 min Scan# 2063
Delta R.T. -0.003 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

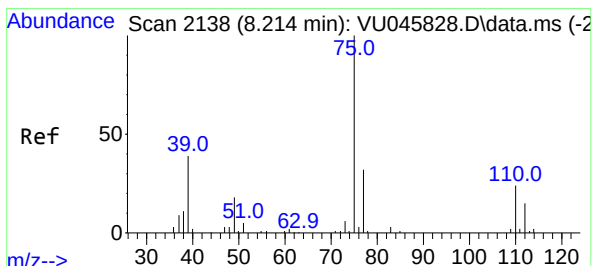
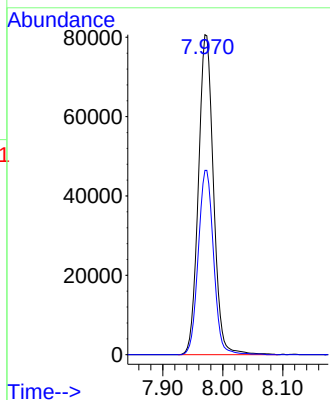
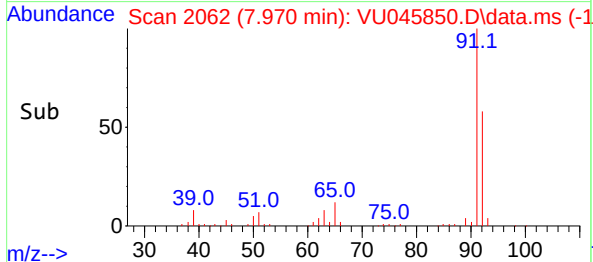
Instrument :
MSVOA_U
ClientSampleId :
H4649MSD



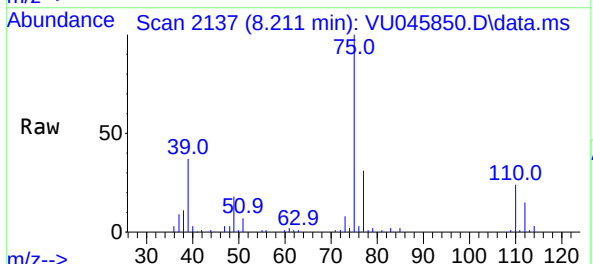
Tgt Ion: 91 Resp: 141374
Ion Ratio Lower Upper
91 100
92 57.6 41.3 76.7

Manual Integrations
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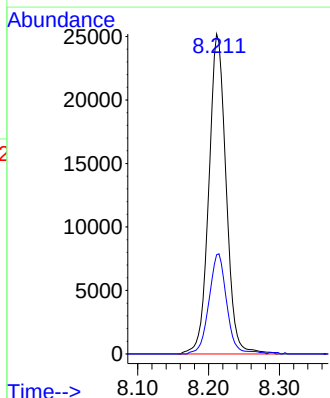
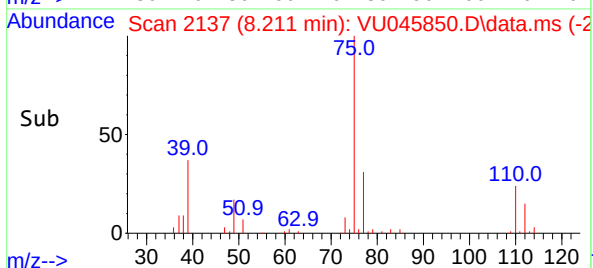
Reviewed By :John Carlone 11/18/2021
Supervised By :Mahesh Dadoda 11/22/2021

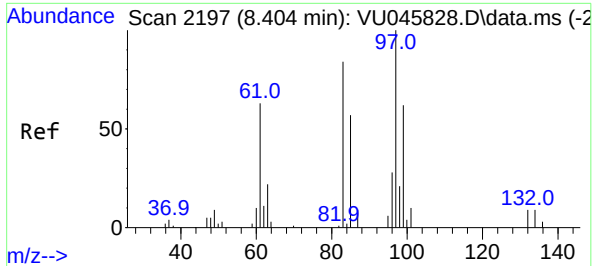


#44
trans-1,3-Dichloropropene
Concen: 4.525 ug/L
RT: 8.211 min Scan# 2137
Delta R.T. -0.003 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16



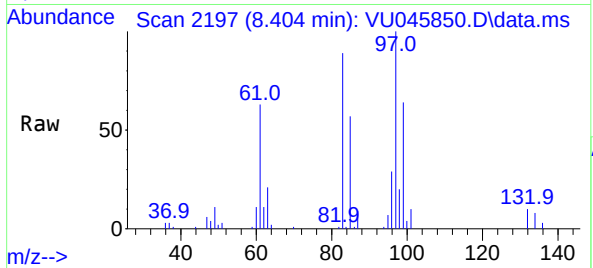
Tgt Ion: 75 Resp: 42613
Ion Ratio Lower Upper
75 100
77 31.0 22.7 42.3





#45
1,1,2-Trichloroethane
Concen: 4.641 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

Instrument :
MSVOA_U
ClientSampleId :
H4649MSD

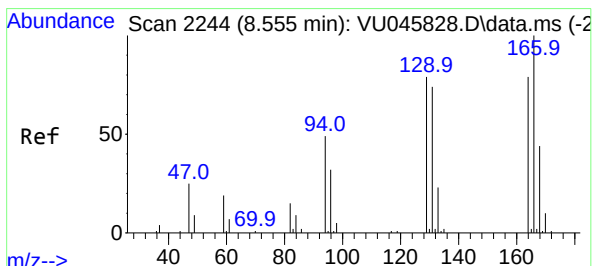
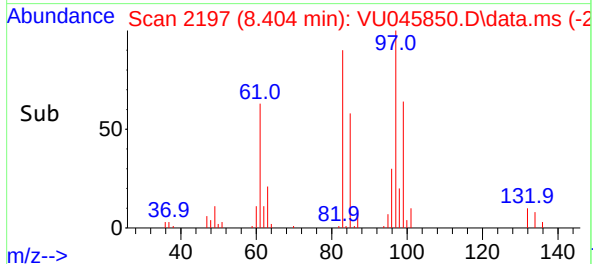
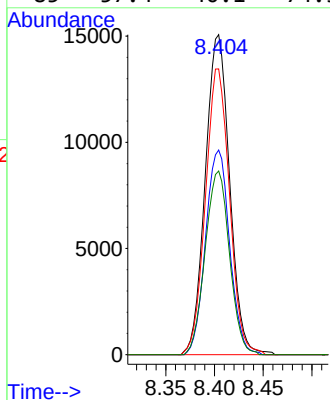


Tgt Ion: 97 Resp: 26240

Ion	Ratio	Lower	Upper
97	100		
99	64.0	42.3	78.5
83	89.3	62.0	115.2
85	57.4	40.1	74.5

Manual Integrations
APPROVED

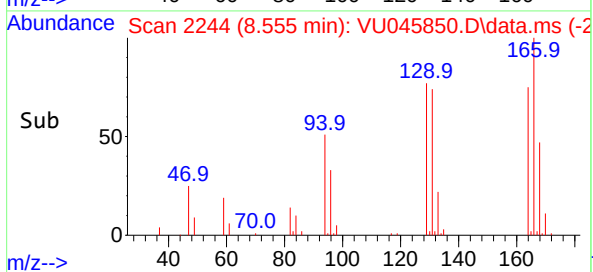
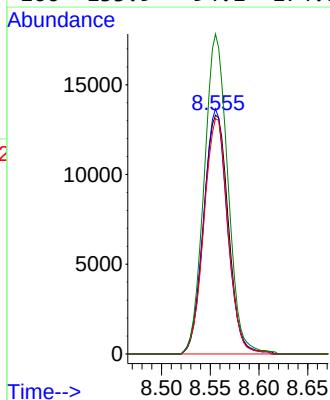
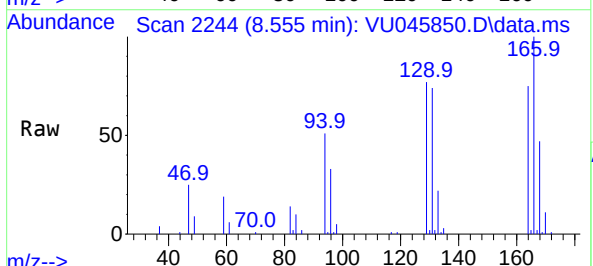
Reviewed By :John Carlone 11/18/2021
Supervised By :Mahesh Dadoda 11/22/2021

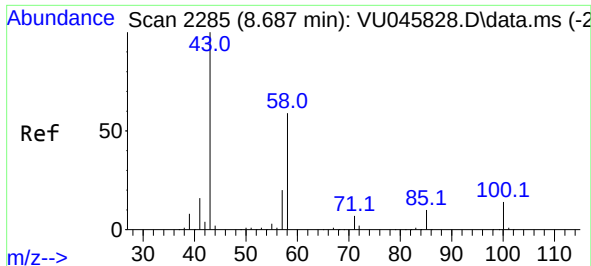


#47
Tetrachloroethene
Concen: 4.485 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

Tgt Ion:164 Resp: 23423

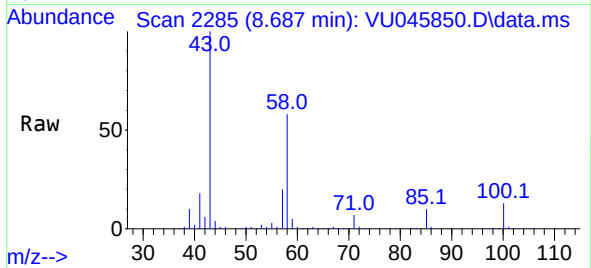
Ion	Ratio	Lower	Upper
164	100		
129	102.6	71.8	133.4
131	98.5	68.5	127.3
166	133.9	94.1	174.8





#48
2-Hexanone
Concen: 51.151 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. 0.000 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

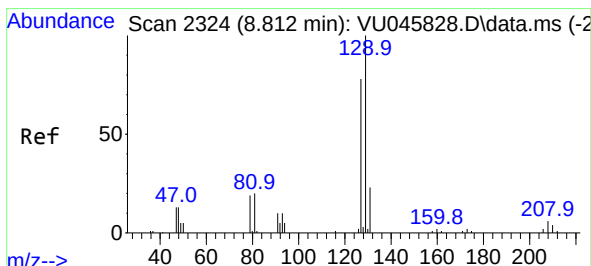
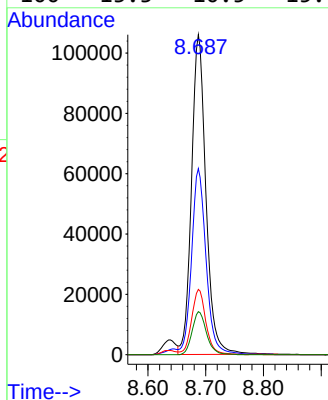
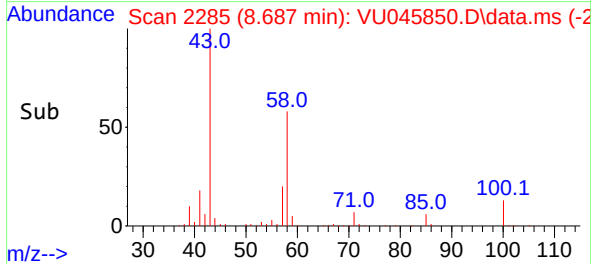
Instrument :
MSVOA_U
ClientSampleId :
H4649MSD



Tgt Ion: 43 Resp: 184620
Ion Ratio Lower Upper
43 100
58 58.3 46.7 70.1
57 20.3 16.3 24.5
100 13.3 10.5 15.7

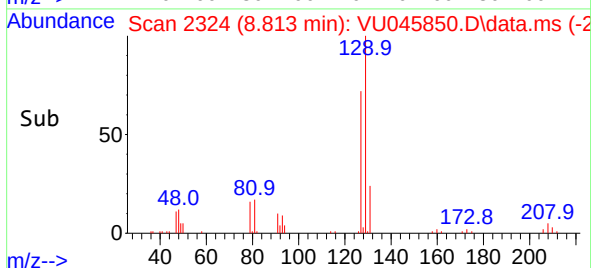
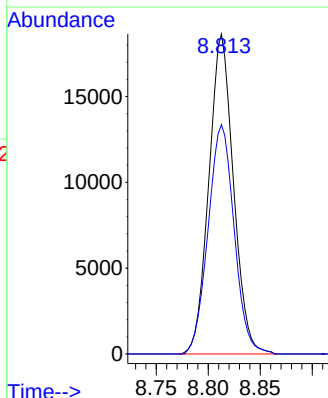
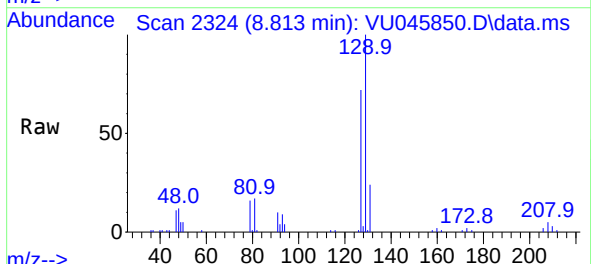
Manual Integrations
APPROVED

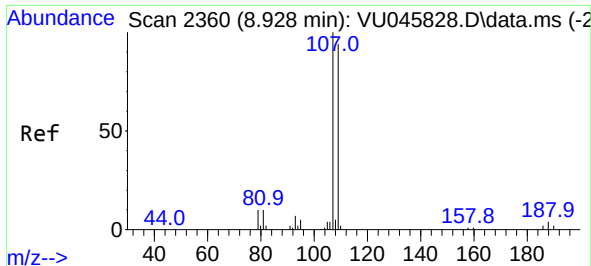
Reviewed By :John Carlone 11/18/2021
Supervised By :Mahesh Dadoda 11/22/2021



#49
Dibromochloromethane
Concen: 4.761 ug/L
RT: 8.813 min Scan# 2324
Delta R.T. 0.000 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

Tgt Ion:129 Resp: 30663
Ion Ratio Lower Upper
129 100
127 71.6 55.4 102.8





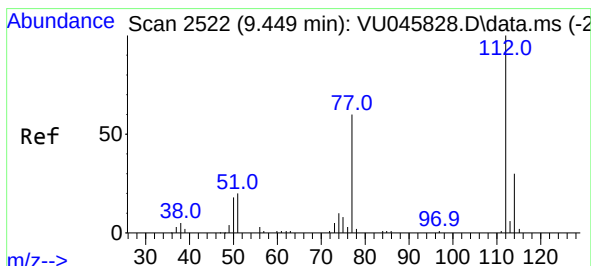
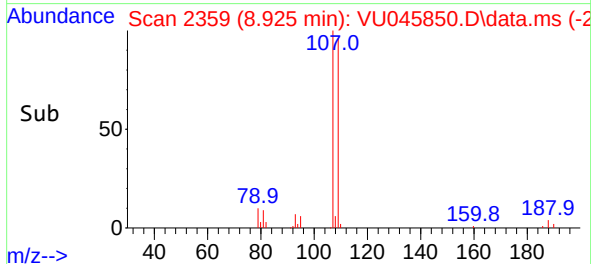
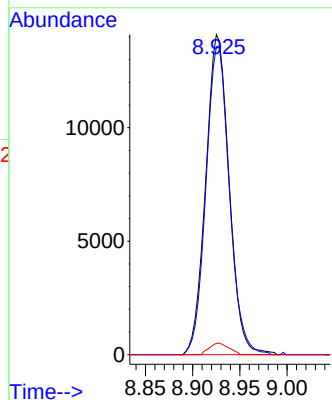
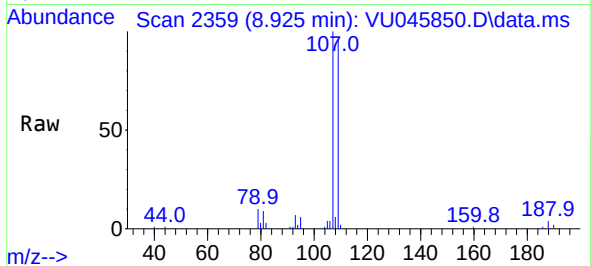
#50
1,2-Dibromoethane
Concen: 4.570 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

Instrument :
MSVOA_U
ClientSampleId :
H4649MSD

Tgt Ion:107 Resp: 2434
Ion Ratio Lower Upper
107 100
109 96.3 64.0 119.0
188 3.5 2.4 3.6

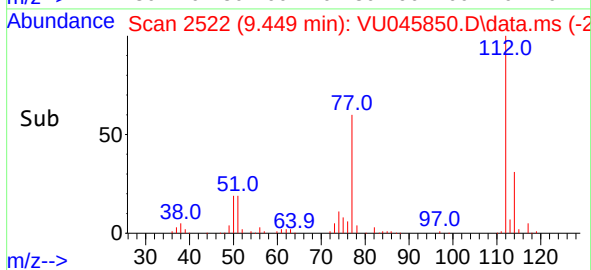
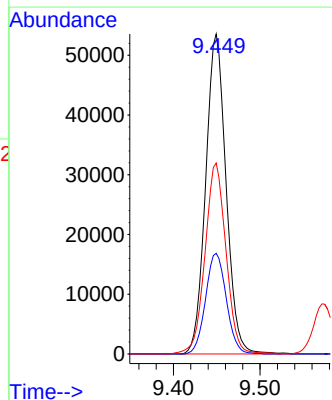
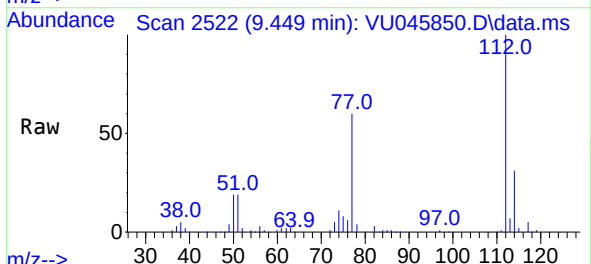
Manual Integrations
APPROVED

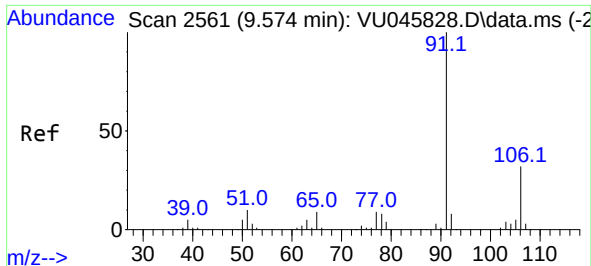
Reviewed By :John Carlone 11/18/2021
Supervised By :Mahesh Dadoda 11/22/2021



#51
Chlorobenzene
Concen: 4.672 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

Tgt Ion:112 Resp: 87560
Ion Ratio Lower Upper
112 100
114 31.5 22.1 41.1
77 59.6 48.3 72.5





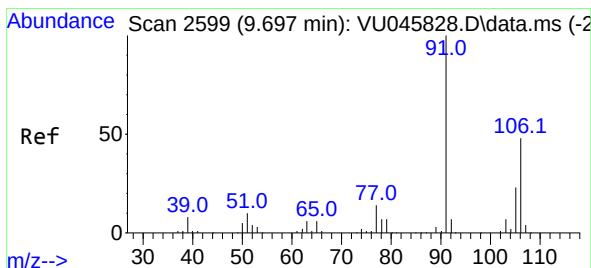
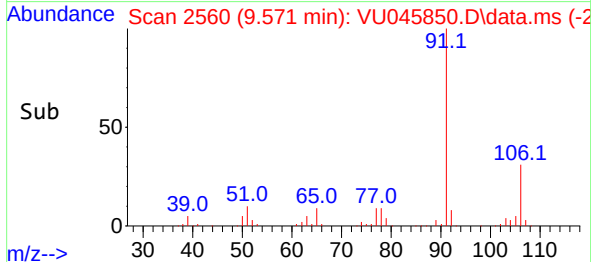
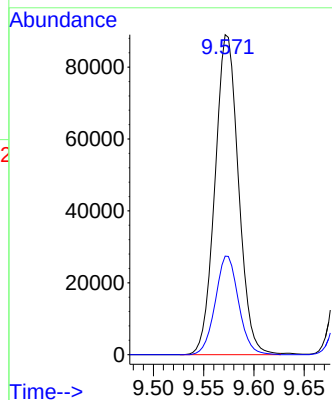
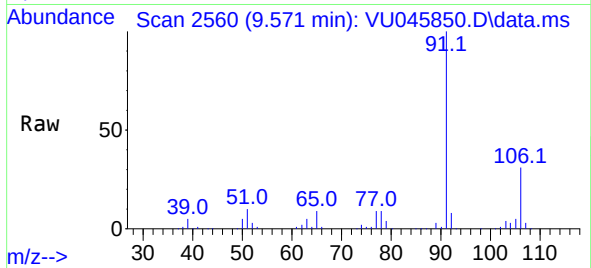
#52
Ethylbenzene
Concen: 4.629 ug/L
RT: 9.571 min Scan# 2561
Delta R.T. -0.003 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

Instrument :
MSVOA_U
ClientSampleId :
H4649MSD

Tgt Ion: 91 Resp: 14478
Ion Ratio Lower Upper
91 100
106 30.8 21.5 39.9

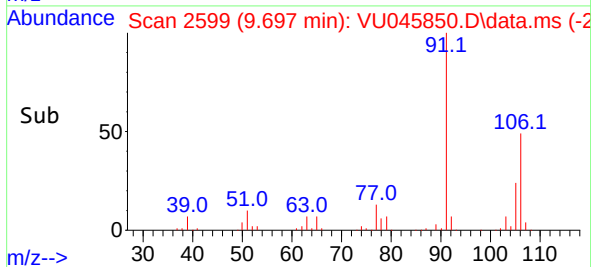
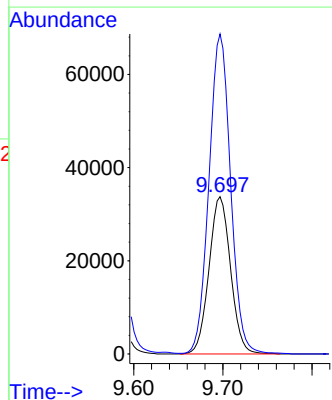
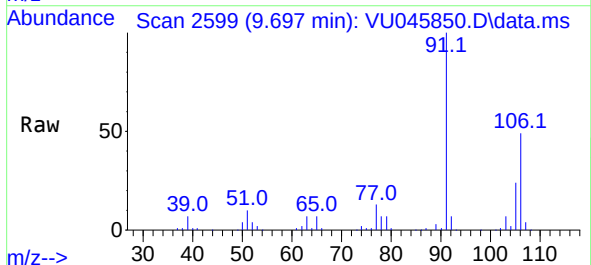
Manual Integrations
APPROVED

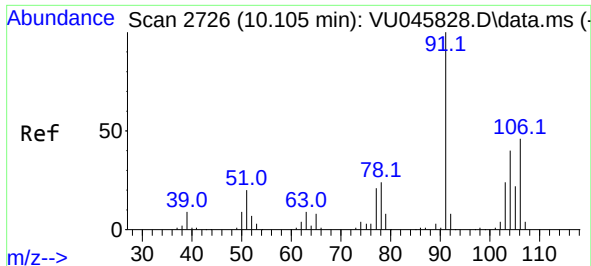
Reviewed By :John Carlone 11/18/2021
Supervised By :Mahesh Dadoda 11/22/2021



#53
m,p-Xylene
Concen: 4.745 ug/L
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

Tgt Ion:106 Resp: 56845
Ion Ratio Lower Upper
106 100
91 203.4 139.4 259.0





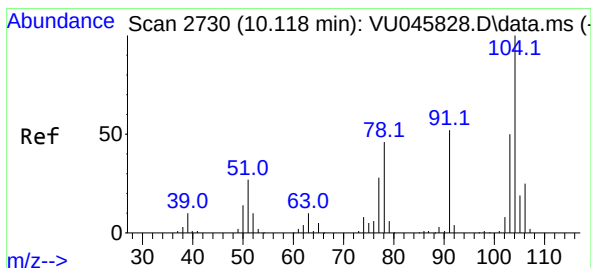
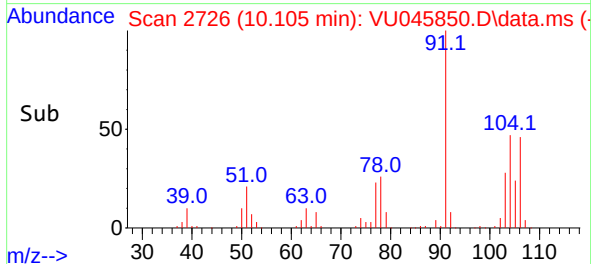
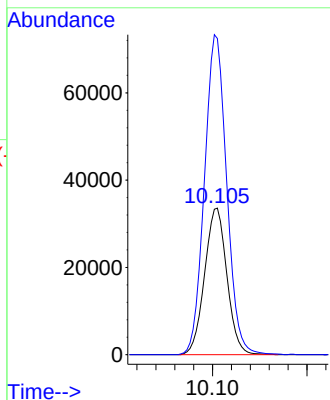
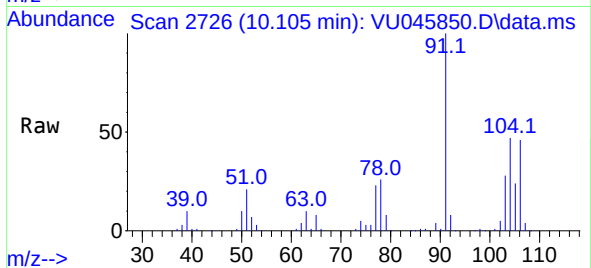
#54
o-Xylene
Concen: 4.764 ug/L
RT: 10.105 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

Instrument :
MSVOA_U
ClientSampleId :
H4649MSD

Tgt Ion:106 Resp: 55070
Ion Ratio Lower Upper
106 100
91 215.7 147.5 273.9

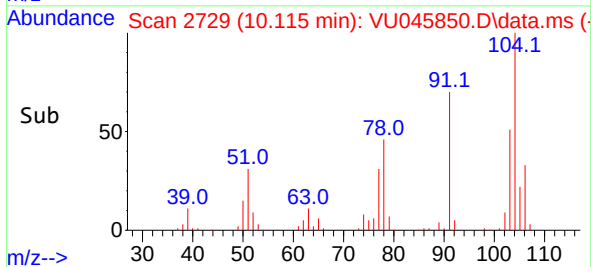
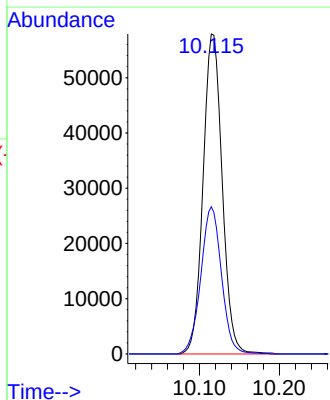
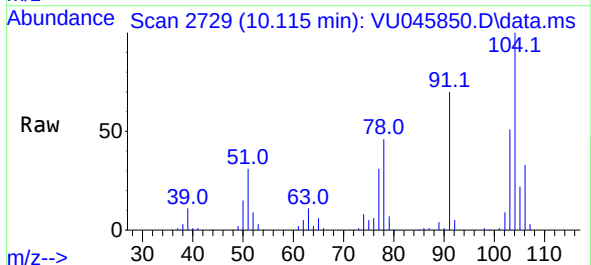
Manual Integrations
APPROVED

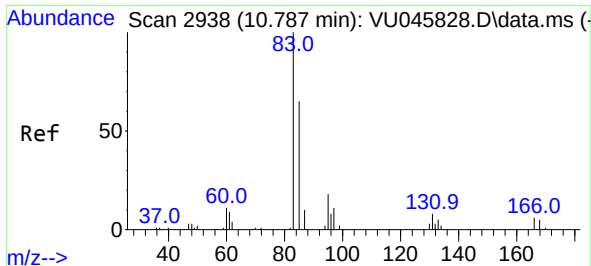
Reviewed By :John Carlone 11/18/2021
Supervised By :Mahesh Dadoda 11/22/2021



#55
Styrene
Concen: 4.957 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.003 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

Tgt Ion:104 Resp: 96474
Ion Ratio Lower Upper
104 100
78 46.0 33.0 61.4





#57

1,1,2,2-Tetrachloroethane

Concen: 4.875 ug/L

RT: 10.784 min Scan# 2938

Delta R.T. -0.003 min

Lab File: VU045850.D

Acq: 17 Nov 2021 19:16

Instrument :

MSVOA_U

ClientSampleId :

H4649MSD

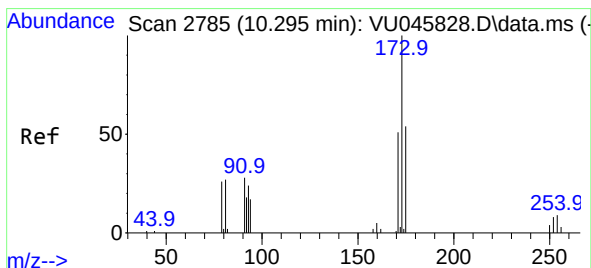
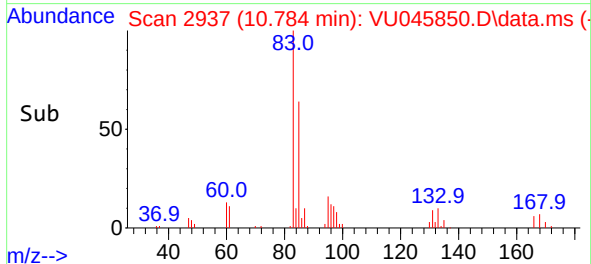
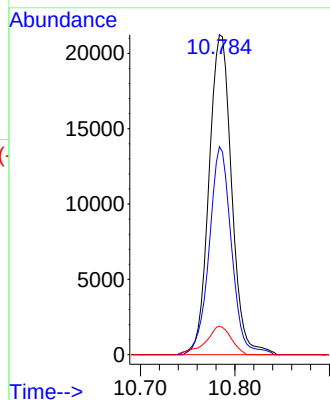
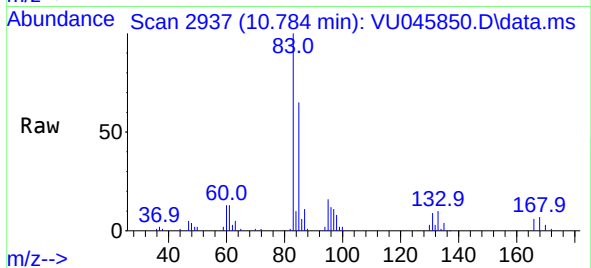
Tgt Ion:	83	Resp:	35310
Ion	Ratio	Lower	Upper
83	100		
85	65.0	47.9	89.1
131	8.9	8.1	12.1

Manual Integrations

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Reviewed By :John Carlone 11/18/2021

Supervised By :Mahesh Dadoda 11/22/2021



#59

Bromoform

Concen: 4.418 ug/L

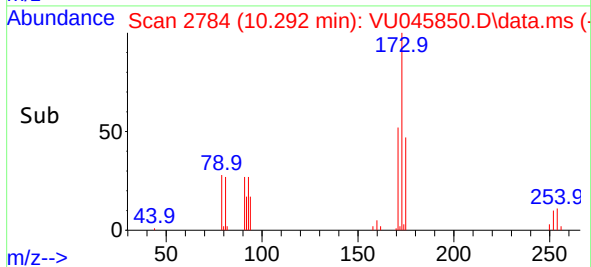
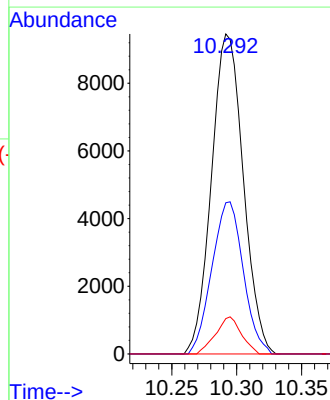
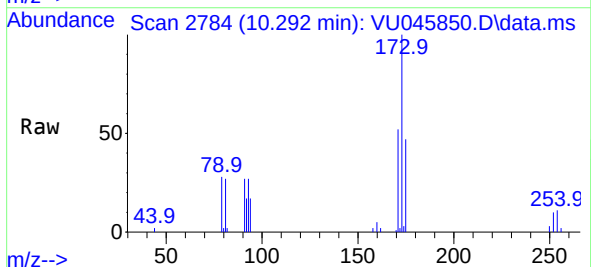
RT: 10.292 min Scan# 2784

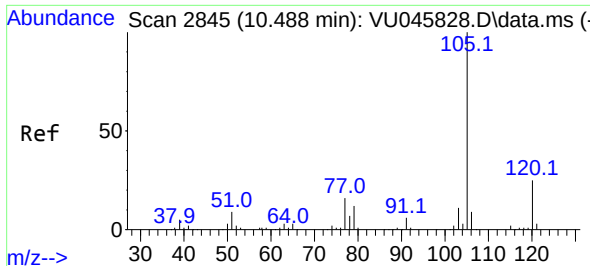
Delta R.T. -0.003 min

Lab File: VU045850.D

Acq: 17 Nov 2021 19:16

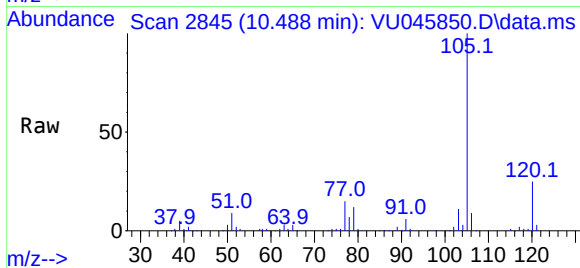
Tgt Ion:	173	Resp:	16093
Ion	Ratio	Lower	Upper
173	100		
175	46.8	37.8	56.6
254	9.3	7.3	10.9





#60
Isopropylbenzene
Concen: 4.539 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. 0.000 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

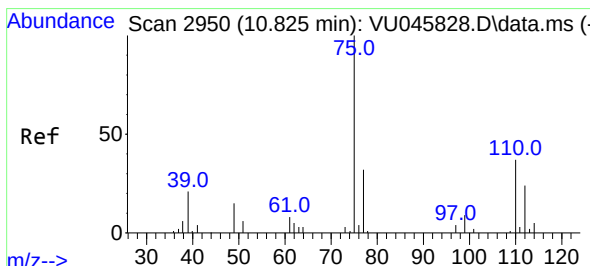
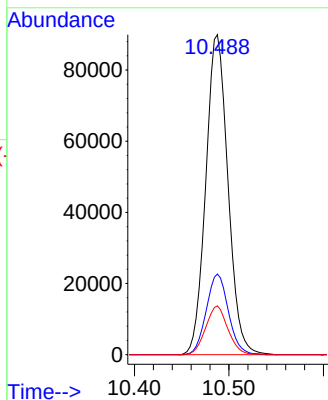
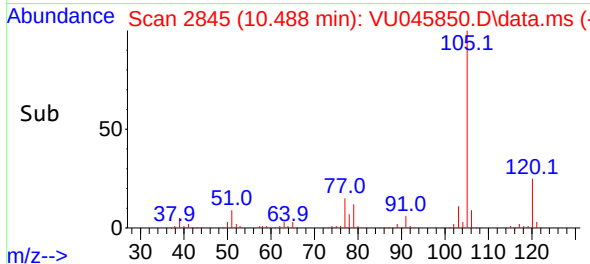
Instrument :
MSVOA_U
ClientSampleId :
H4649MSD



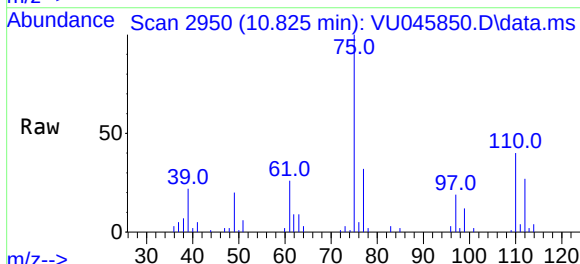
Tgt Ion:105 Resp: 146538
Ion Ratio Lower Upper
105 100
120 25.2 20.7 31.1
77 15.3 12.6 19.0

Manual Integrations
APPROVED

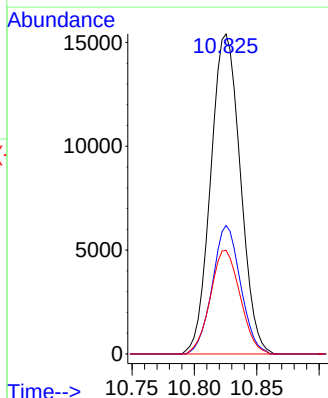
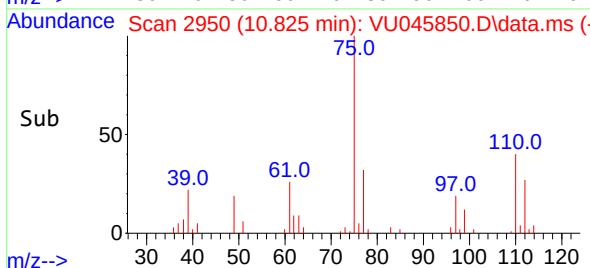
Reviewed By :John Carlone 11/18/2021
Supervised By :Mahesh Dadoda 11/22/2021

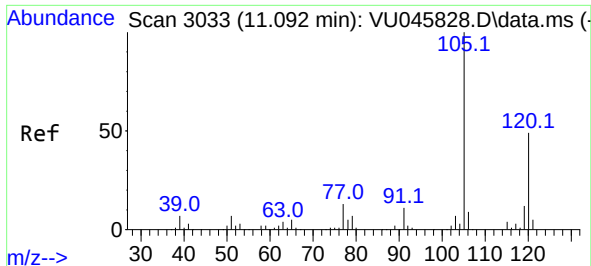


#61
1,2,3-Trichloropropane
Concen: 4.468 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16



Tgt Ion: 75 Resp: 25510
Ion Ratio Lower Upper
75 100
110 38.2 29.9 44.9
77 32.5 25.5 38.3





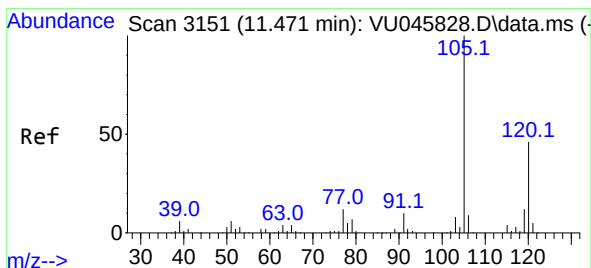
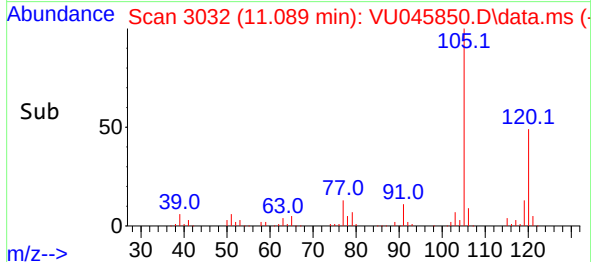
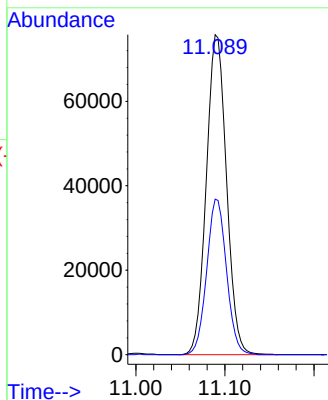
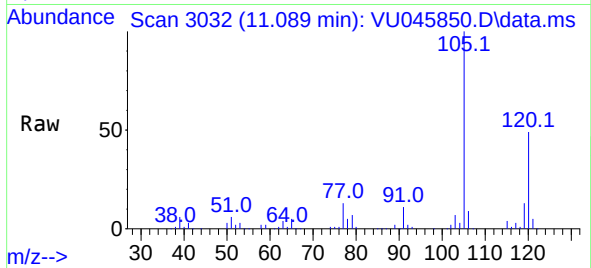
#62
1,3,5-Trimethylbenzene
Concen: 4.517 ug/L
RT: 11.089 min Scan# 3033
Delta R.T. -0.003 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

Instrument :
MSVOA_U
ClientSampleId :
H4649MSD

Tgt Ion:105 Resp: 119234
Ion Ratio Lower Upper
105 100
120 47.6 38.3 57.5

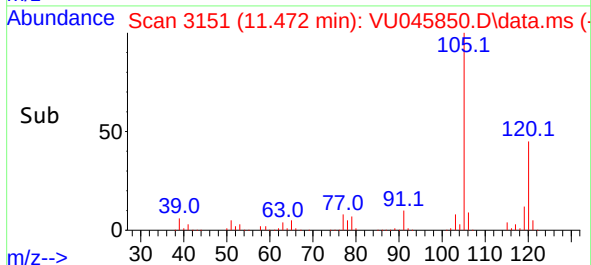
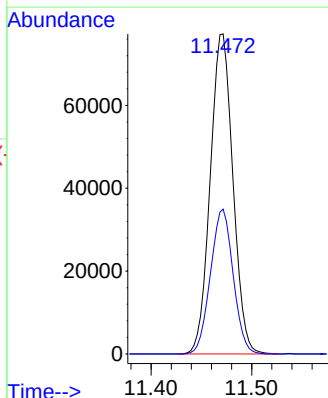
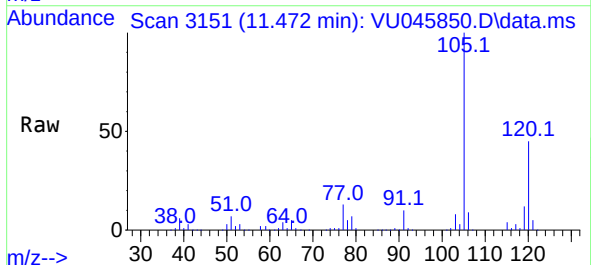
Manual Integrations
APPROVED

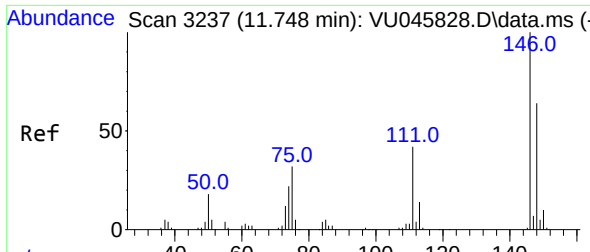
Reviewed By :John Carlone 11/18/2021
Supervised By :Mahesh Dadoda 11/22/2021



#63
1,2,4-Trimethylbenzene
Concen: 4.580 ug/L
RT: 11.472 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

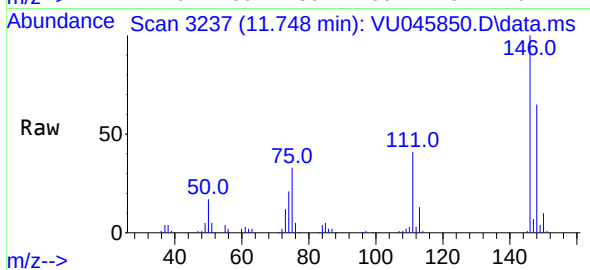
Tgt Ion:105 Resp: 121143
Ion Ratio Lower Upper
105 100
120 45.2 35.8 53.8





#64
1,3-Dichlorobenzene
Concen: 4.602 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.000 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

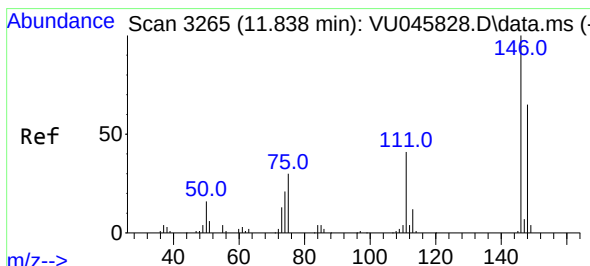
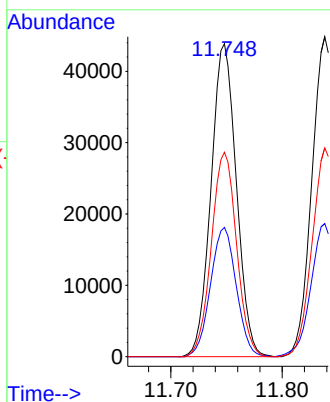
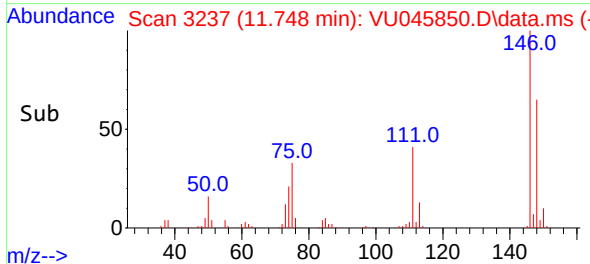
Instrument :
MSVOA_U
ClientSampleId :
H4649MSD



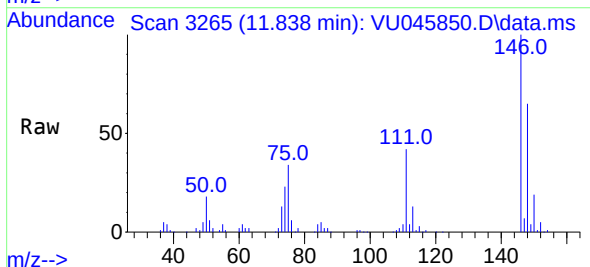
Tgt Ion:146 Resp: 69318
Ion Ratio Lower Upper
146 100
111 41.3 29.9 55.5
148 65.4 44.3 82.3

Manual Integrations
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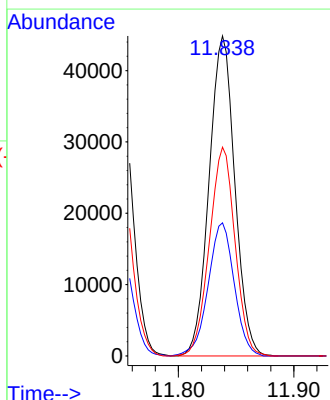
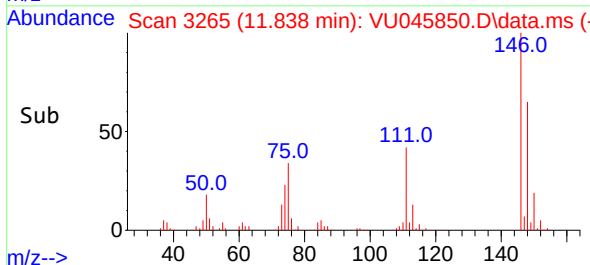
Reviewed By :John Carlone 11/18/2021
Supervised By :Mahesh Dadoda 11/22/2021

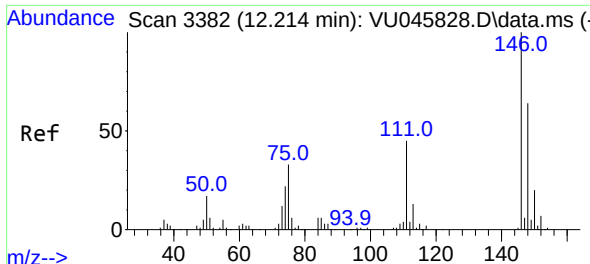


#65
1,4-Dichlorobenzene
Concen: 4.536 ug/L
RT: 11.838 min Scan# 3265
Delta R.T. 0.000 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16



Tgt Ion:146 Resp: 69406
Ion Ratio Lower Upper
146 100
111 41.6 28.7 53.3
148 65.3 45.8 85.0





#67

1,2-Dichlorobenzene

Concen: 4.630 ug/L

RT: 12.214 min Scan# 3382

Delta R.T. 0.000 min

Lab File: VU045850.D

Acq: 17 Nov 2021 19:16

Instrument :

MSVOA_U

ClientSampleId :

H4649MSD

Tgt Ion:146 Resp: 66870

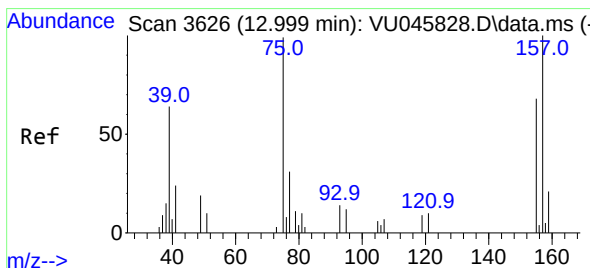
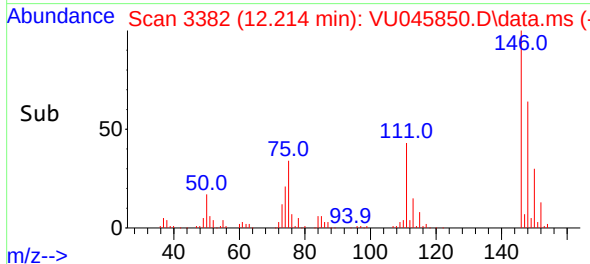
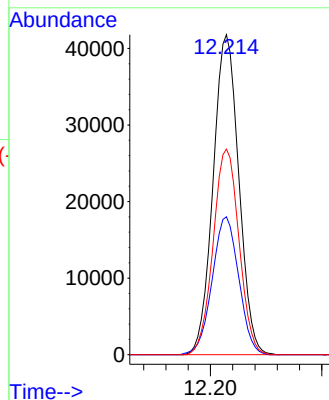
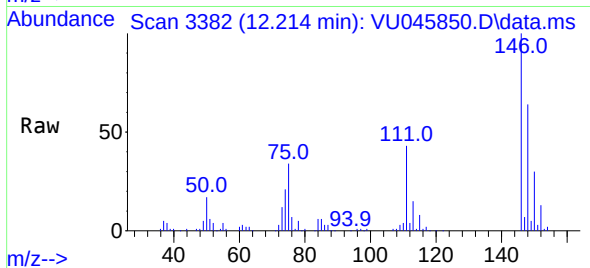
Ion	Ratio	Lower	Upper
146	100		
111	43.1	35.4	53.0
148	64.3	51.1	76.7

Manual Integrations

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Reviewed By :John Carlone 11/18/2021

Supervised By :Mahesh Dadoda 11/22/2021



#68

1,2-Dibromo-3-chloropropane

Concen: 4.159 ug/L

RT: 12.999 min Scan# 3626

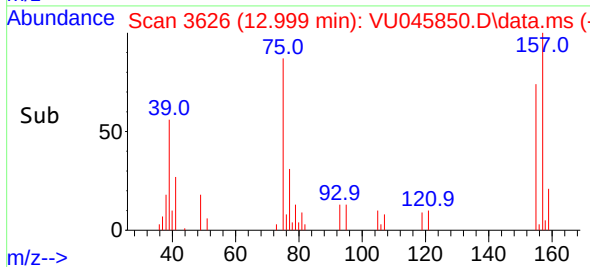
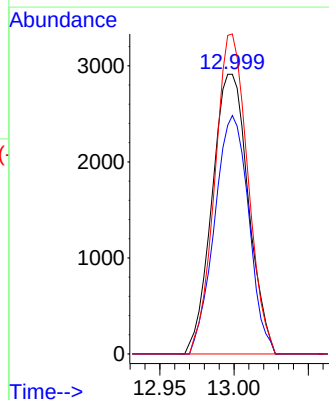
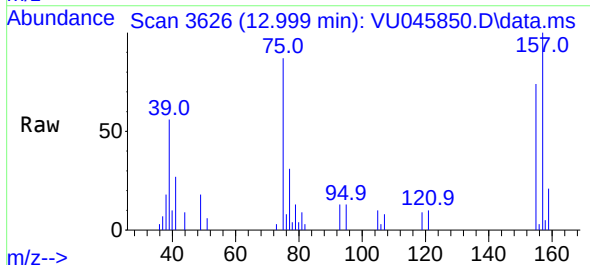
Delta R.T. 0.000 min

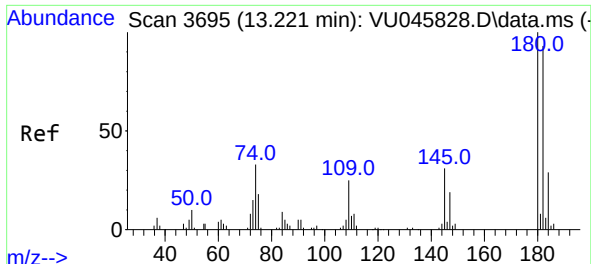
Lab File: VU045850.D

Acq: 17 Nov 2021 19:16

Tgt Ion: 75 Resp: 4940

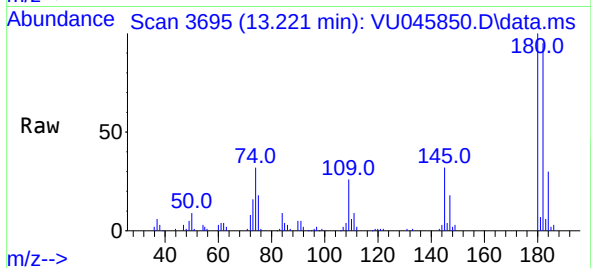
Ion	Ratio	Lower	Upper
75	100		
155	85.2	59.2	88.8
157	114.4	76.5	114.7





#69
1,3,5-Trichlorobenzene
Concen: 4.464 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. 0.000 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

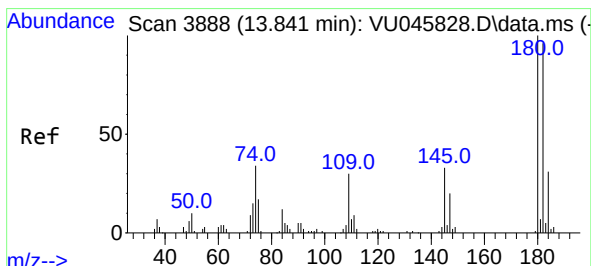
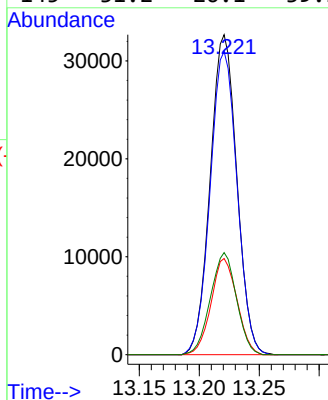
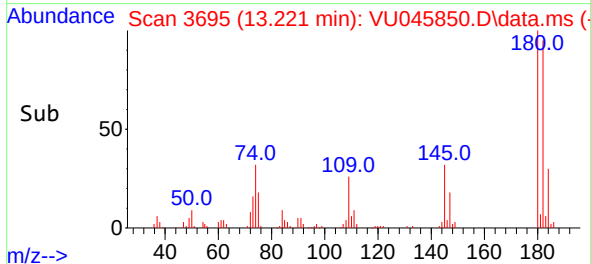
Instrument :
MSVOA_U
ClientSampleId :
H4649MSD



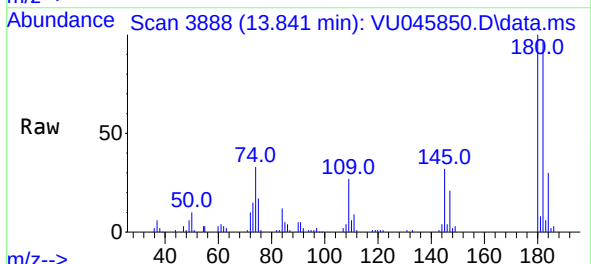
Tgt Ion:180 Resp: 50290
Ion Ratio Lower Upper
180 100
182 95.8 76.1 114.1
184 29.3 25.0 37.4
145 31.2 26.1 39.1

Manual Integrations
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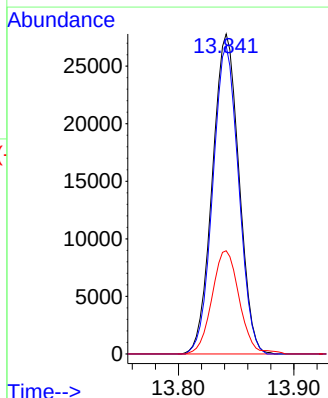
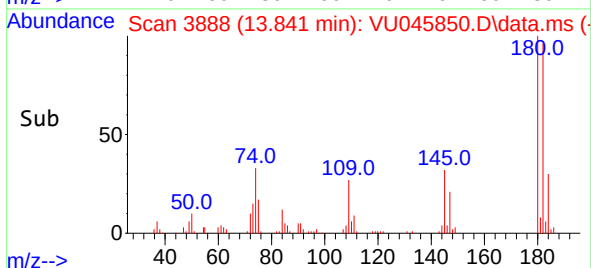
Reviewed By :John Carlone 11/18/2021
Supervised By :Mahesh Dadoda 11/22/2021

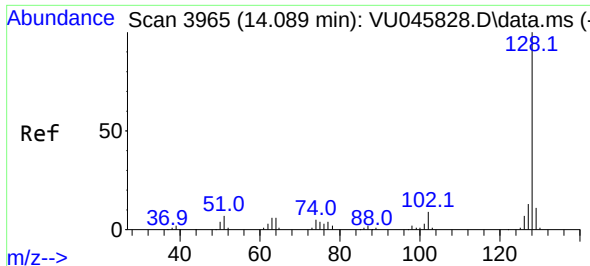


#70
1,2,4-trichlorobenzene
Concen: 4.653 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. 0.000 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16



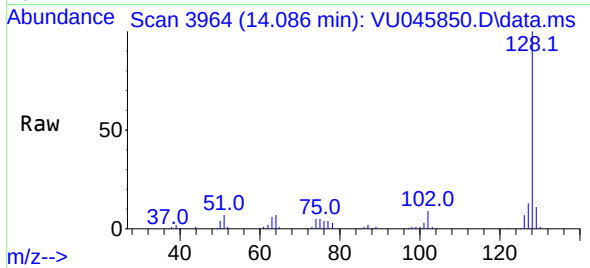
Tgt Ion:180 Resp: 44362
Ion Ratio Lower Upper
180 100
182 93.2 76.4 114.6
145 33.3 25.6 38.4





#71
Naphthalene
Concen: 4.588 ug/L
RT: 14.086 min Scan# 3965
Delta R.T. -0.003 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16

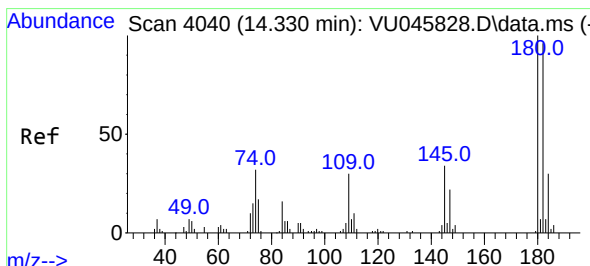
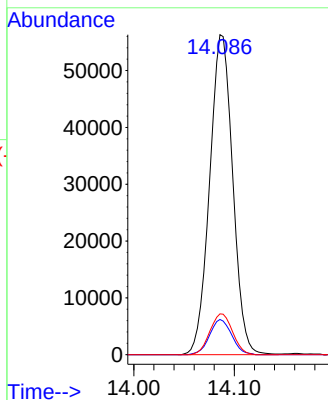
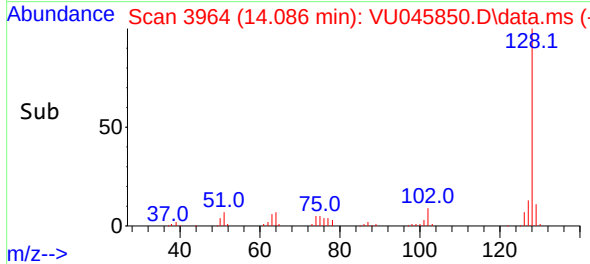
Instrument :
MSVOA_U
ClientSampleId :
H4649MSD



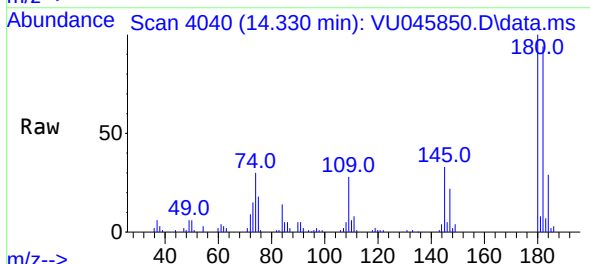
Tgt Ion:128 Resp: 89878
Ion Ratio Lower Upper
128 100
129 10.5 8.4 12.6
127 12.5 10.2 15.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/18/2021
Supervised By :Mahesh Dadoda 11/22/2021



#72
1,2,3-Trichlorobenzene
Concen: 4.585 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU045850.D
Acq: 17 Nov 2021 19:16



Tgt Ion:180 Resp: 43496
Ion Ratio Lower Upper
180 100
182 95.3 76.2 114.4
145 33.9 28.4 42.6

