

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121222\
 Data File : VX033363.D
 Acq On : 12 Dec 2022 10:35
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/13/2022
 Supervised By : Mahesh Dadoda 12/13/2022

Quant Time: Dec 12 12:25:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X121222W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Dec 12 12:25:09 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	4.897	128	12167	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	84063	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	89935	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	33578	28.607	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	95.367%		
60) 4-Bromofluorobenzene	11.079	95	50247	29.208	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.367%		
63) Toluene-d8	8.647	98	91654	30.198	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.667%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	5151	4.784	ug/l	91
3) Chloromethane	1.294	50	5120	4.792	ug/l	94
4) Vinyl Chloride	1.374	62	6282	5.199	ug/l	93
5) Bromomethane	1.618	94	4805	4.479	ug/l	95
6) Chloroethane	1.691	64	5197	5.446	ug/l	92
7) Trichlorofluoromethane	1.892	101	13911	5.973	ug/l	100
8) Diethyl Ether	2.130	74	4384	5.822	ug/l	76
9) 1,1,2-Trichlorotrifluo...	2.331	101	7069	5.706	ug/l	95
10) 1,1-Dichloroethene	2.319	96	6504	5.495	ug/l	93
11) Methyl Iodide	2.453	142	5920	4.652	ug/l	90
12) Methyl Acetate	2.703	43	8061	4.598	ug/l	90
13) Acrolein	2.239	56	6499	27.796	ug/l	97
14) Acrylonitrile	3.068	53	14933	23.759	ug/l	98
15) Acetone	2.392	58	5154	31.535	ug/l	85
16) Carbon Disulfide	2.514	76	17691	6.004	ug/l	99
17) Allyl chloride	2.666	41	9798	5.210	ug/l	88
18) Methylene Chloride	2.788	84	7320	5.363	ug/l	89
19) trans-1,2-Dichloroethene	3.093	96	6955	5.334	ug/l #	76
20) Diisopropyl ether	3.757	45	20566	4.877	ug/l #	93
21) 1,1-Dichloroethane	3.611	63	12410	5.242	ug/l	97
22) cis-1,2-Dichloroethene	4.489	96	7940	5.216	ug/l	87
23) tert-Butyl Alcohol	3.008	59	7088m	34.731	ug/l	
24) Methyl tert-Butyl Ether	3.111	73	21531	5.080	ug/l	92
25) Chloroform	5.093	83	14333	5.428	ug/l	97
26) Cyclohexane	5.477	56	10916	5.280	ug/l #	83
29) 1,1-Dichloropropene	5.690	75	9879	5.299	ug/l	98
30) 2-Butanone	4.568	43	21878	25.167	ug/l #	89
31) 2,2-Dichloropropane	4.477	77	10535	6.607	ug/l	95
32) 1,1,1-Trichloroethane	5.379	97	12904	5.502	ug/l	94
33) Carbon Tetrachloride	5.678	117	12165	5.908	ug/l	96
34) Benzene	6.031	78	28625	5.449	ug/l	96
35) Methacrylonitrile	4.922	41	4573	4.645	ug/l	94
36) 1,2-Dichloroethane	6.086	62	11218	5.187	ug/l #	93
37) Trichloroethene	7.129	130	7870	5.355	ug/l #	81
38) Methylcyclohexane	7.379	83	11841	5.669	ug/l	90
39) 1,2-Dichloropropane	7.434	63	6995	5.261	ug/l	100
40) Dibromomethane	7.586	93	5569	5.486	ug/l	98
41) Bromodichloromethane	7.818	83	11158	5.766	ug/l	95
42) Vinyl Acetate	3.721	43	75895	22.721	ug/l #	92

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Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	4.715	43	8035m	4.595	ug/l	
44) Isopropyl Acetate	6.336	43	13528	4.616	ug/l	95
45) 1,4-Dioxane	7.714	88	3098m	110.059	ug/l	
46) Methyl methacrylate	7.696	41	6495	4.403	ug/l	85
47) n-amyl Acetate	10.841	43	10264	3.940	ug/l	96
48) t-1,3-Dichloropropene	8.982	75	10115	5.095	ug/l	95
49) cis-1,3-Dichloropropene	8.366	75	11206	5.346	ug/l #	86
50) 1,1,2-Trichloroethane	9.153	97	7120	5.101	ug/l	93
51) Ethyl methacrylate	9.116	69	9487	4.551	ug/l	89
52) 1,3-Dichloropropane	9.311	76	12043	5.277	ug/l	99
53) Dibromochloromethane	9.519	129	8804	5.800	ug/l	100
54) 1,2-Dibromoethane	9.610	107	7683	5.110	ug/l	98
55) 2-Chloroethyl vinyl ether	8.238	63	25637	25.448	ug/l	94
56) Bromoform	10.799	173	6001	5.522	ug/l	98
58) 4-Methyl-2-Pentanone	8.574	43	41903	23.801	ug/l	92
59) 2-Hexanone	9.433	43	31130	24.016	ug/l	93
61) Tetrachloroethene	9.275	164	7471	5.944	ug/l	93
62) Toluene	8.720	91	31863	5.448	ug/l	99
64) Chlorobenzene	10.079	112	20249	5.600	ug/l	95
65) 1,1,1,2-Tetrachloroethane	10.165	131	7977	5.791	ug/l	98
66) Ethyl Benzene	10.195	91	34942	5.325	ug/l	94
67) m/p-Xylenes	10.299	106	27194	10.652	ug/l	90
68) o-Xylene	10.640	106	13081	5.222	ug/l	89
69) Styrene	10.659	104	20959	5.033	ug/l	95
70) Isopropylbenzene	10.963	105	35158	5.256	ug/l	98
71) 1,1,2,2-Tetrachloroethane	11.213	83	10671	5.260	ug/l	97
72) 1,2,3-Trichloropropane	11.238	75	9058m	5.141	ug/l	
73) Bromobenzene	11.201	156	8804	5.418	ug/l	89
74) n-propylbenzene	11.305	91	40009	5.264	ug/l	93
75) 2-Chlorotoluene	11.366	91	25089	5.452	ug/l	93
76) 1,3,5-Trimethylbenzene	11.451	105	29051	5.137	ug/l	96
77) t-1,4-Dichloro-2-butene	11.018	75	2667	4.960	ug/l	87
78) 4-Chlorotoluene	11.457	91	27835	5.251	ug/l	94
79) tert-butylbenzene	11.713	119	29297	5.331	ug/l	95
80) 1,2,4-Trimethylbenzene	11.750	105	28826	5.213	ug/l	94
81) sec-Butylbenzene	11.890	105	34850	5.267	ug/l	93
82) p-Isopropyltoluene	12.012	119	29762	5.338	ug/l	95
83) 1,3-Dichlorobenzene	11.969	146	15779	5.292	ug/l	97
84) 1,4-Dichlorobenzene	12.042	146	16407	5.480	ug/l	99
85) n-Butylbenzene	12.335	91	24079	5.095	ug/l	94
86) Hexachloroethane	12.536	117	5431	5.933	ug/l	98
87) 1,2-Dichlorobenzene	12.335	146	15974	5.389	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	12.945	75	2242	5.209	ug/l #	77
89) 1,2,4-Trichlorobenzene	13.591	180	9061	4.978	ug/l	96
90) Hexachlorobutadiene	13.725	225	4230	5.774	ug/l	97
91) Naphthalene	13.774	128	28454	4.631	ug/l	99
92) 1,2,3-Trichlorobenzene	13.963	180	9360	5.113	ug/l	95

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

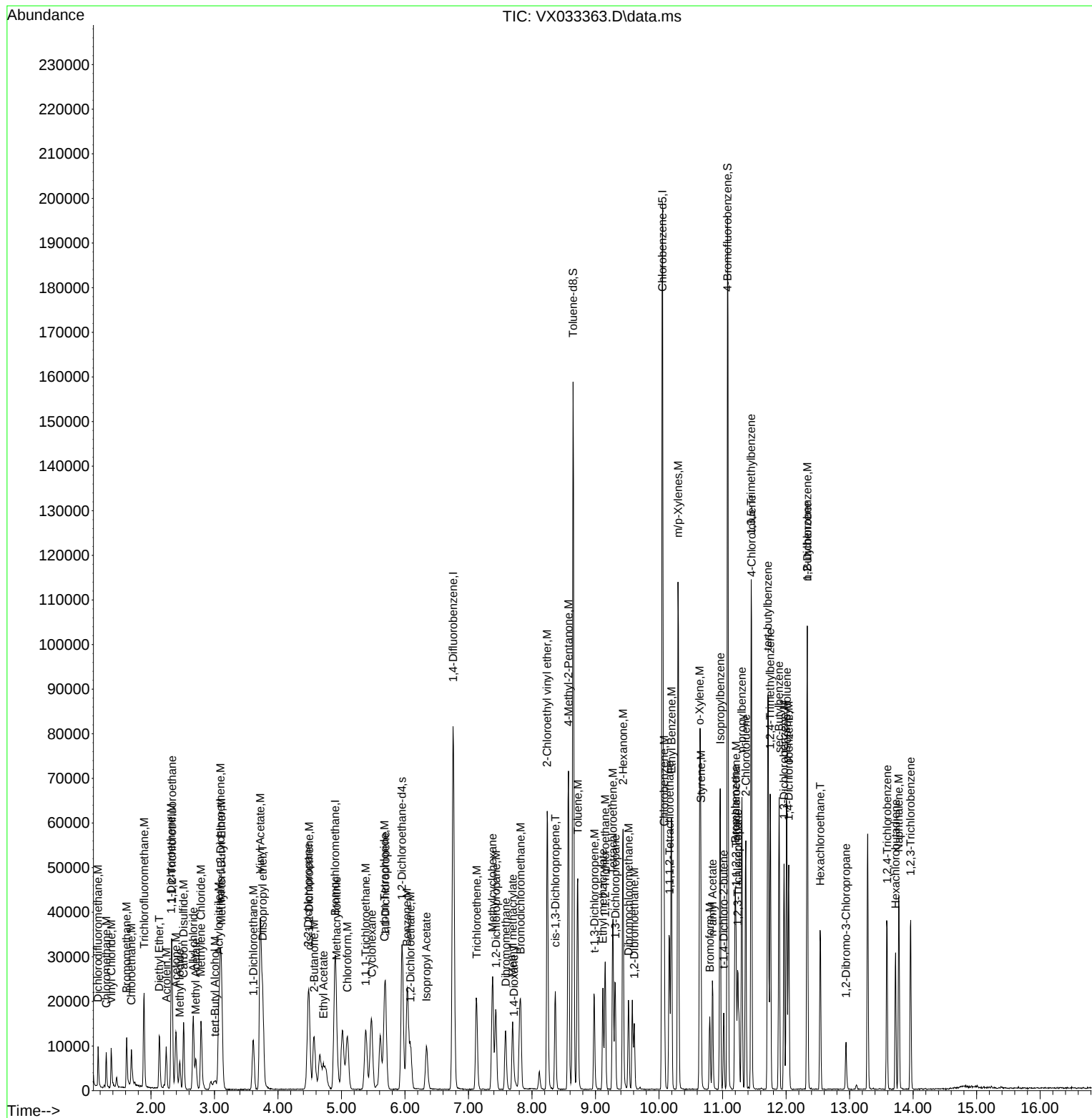
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121222\
 Data File : VX033363.D
 Acq On : 12 Dec 2022 10:35
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 Sample : VSTDIC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

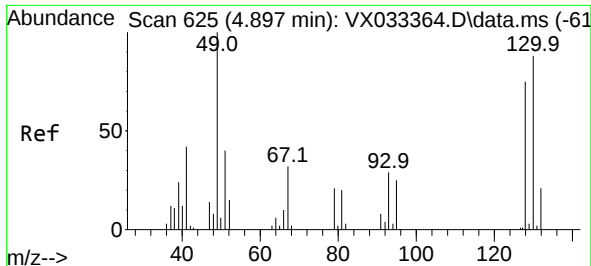
Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Manual Integrations APPROVED

Reviewed By : John Carlone 12/13/2022
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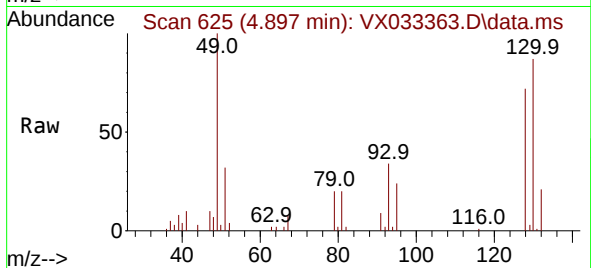
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

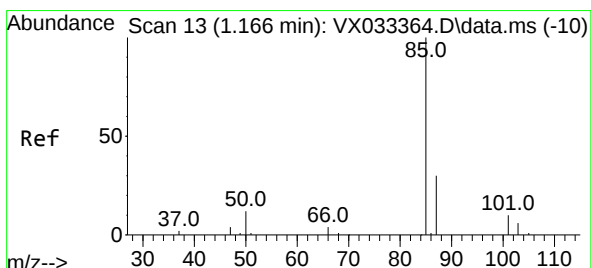
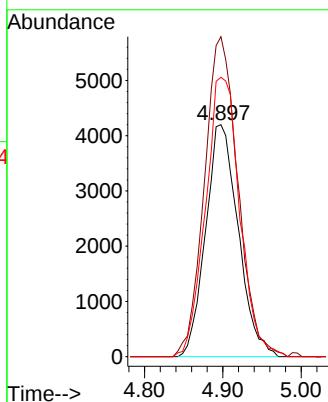
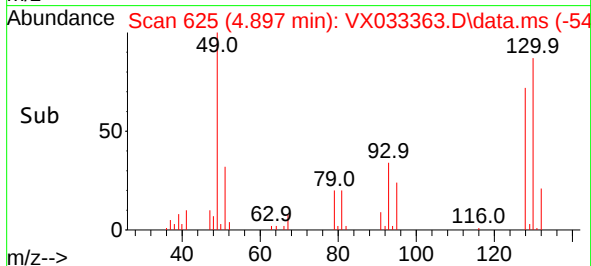
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:128 Resp: 1216
Ion Ratio Lower Upper
128 100
49 141.6 0.0 293.0
130 126.4 0.0 321.5

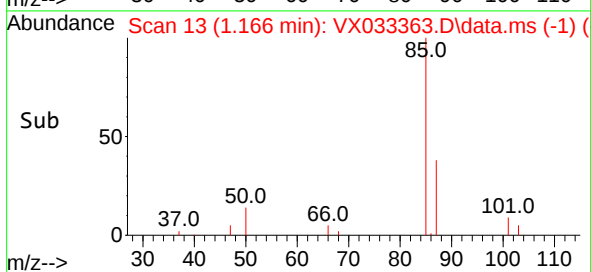
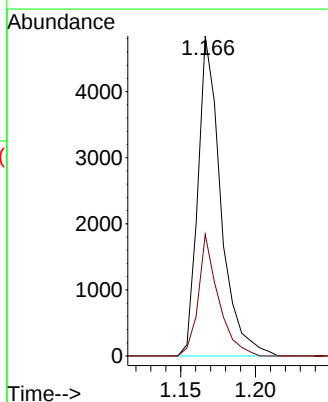
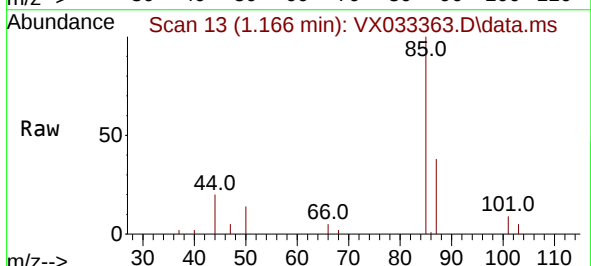
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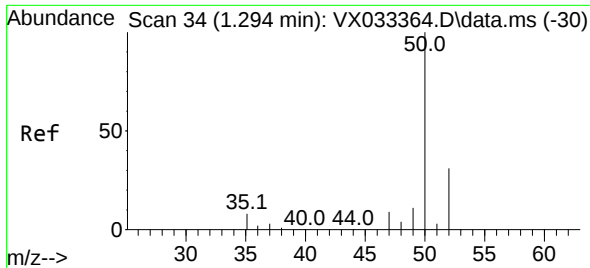
Reviewed By :John Carlone 12/13/2022
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#2
Dichlorodifluoromethane
Concen: 4.784 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Tgt Ion: 85 Resp: 5151
Ion Ratio Lower Upper
85 100
87 38.0 16.5 49.5





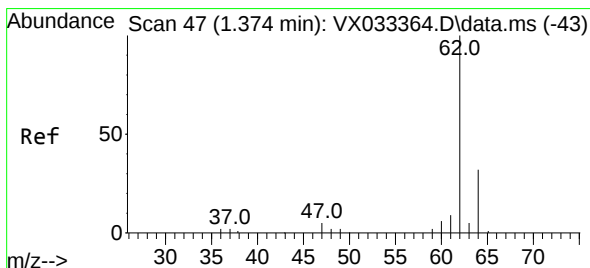
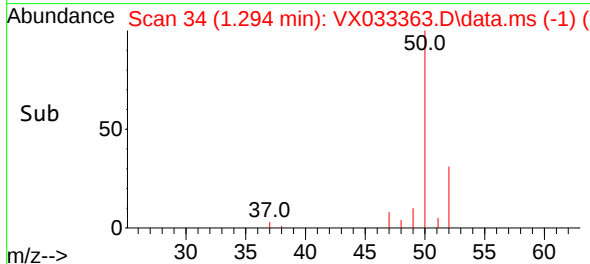
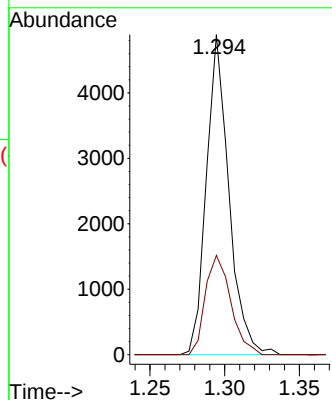
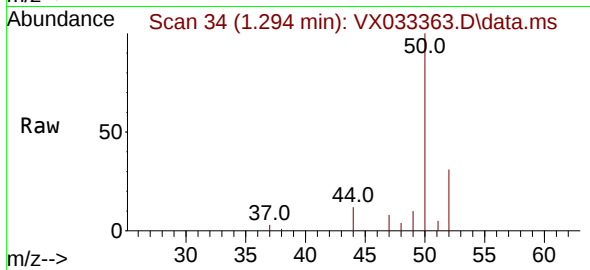
#3
Chloromethane
Concen: 4.792 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 50 Resp: 5120
Ion Ratio Lower Upper
50 100
52 31.0 27.6 41.4

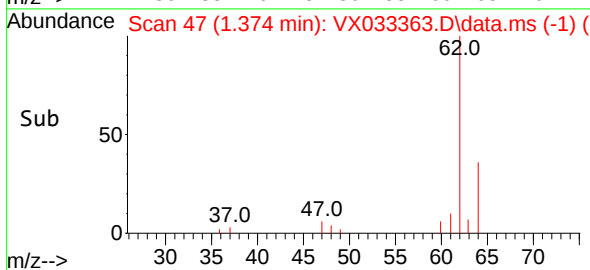
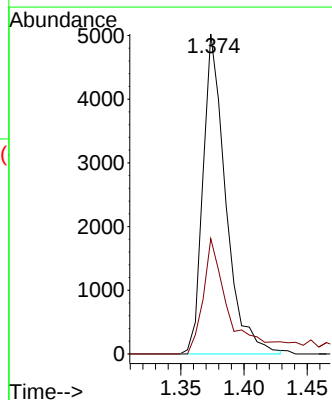
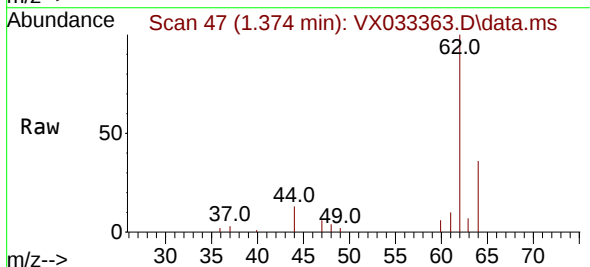
Manual Integrations
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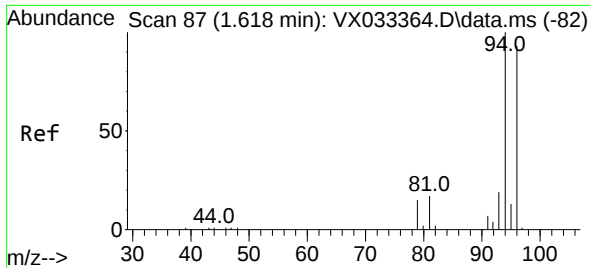
Reviewed By :John Carlone 12/13/2022
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#4
Vinyl Chloride
Concen: 5.199 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Tgt Ion: 62 Resp: 6282
Ion Ratio Lower Upper
62 100
64 36.0 25.7 38.5





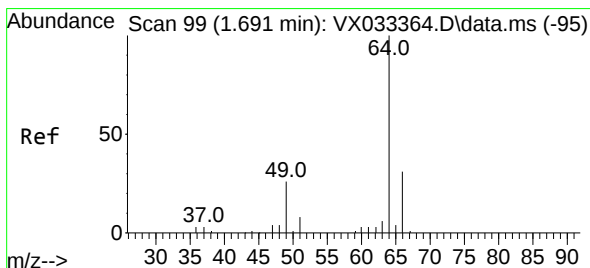
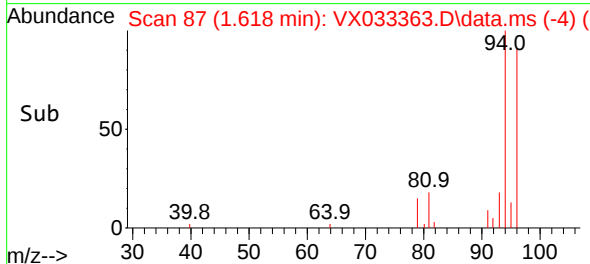
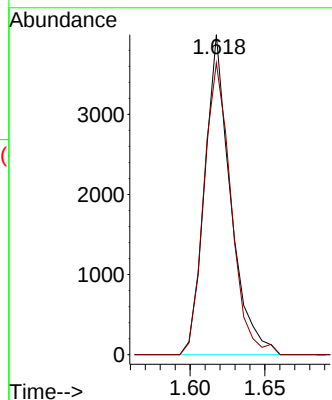
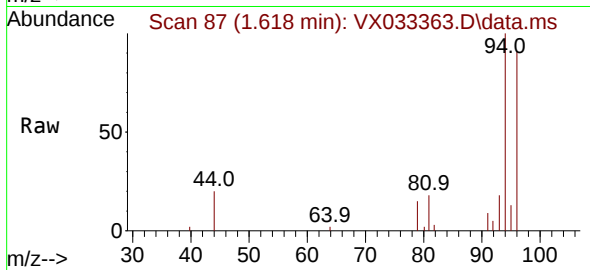
#5
Bromomethane
Concen: 4.479 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 94 Resp: 480
Ion Ratio Lower Upper
94 100
96 91.1 76.8 115.2

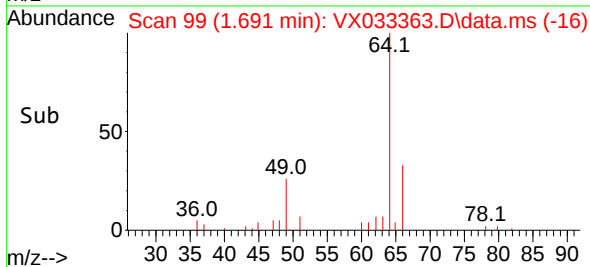
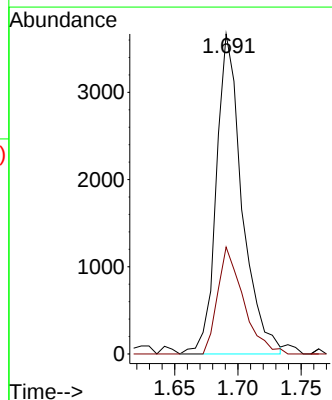
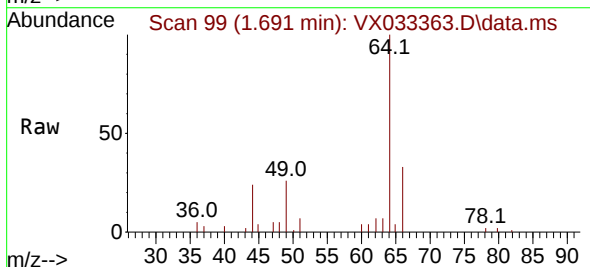
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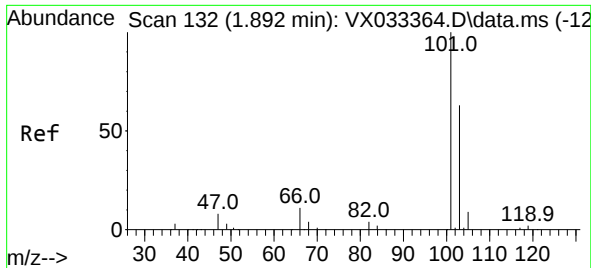
Reviewed By :John Carlone 12/13/2022
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#6
Chloroethane
Concen: 5.446 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Tgt Ion: 64 Resp: 5197
Ion Ratio Lower Upper
64 100
66 33.4 30.6 46.0





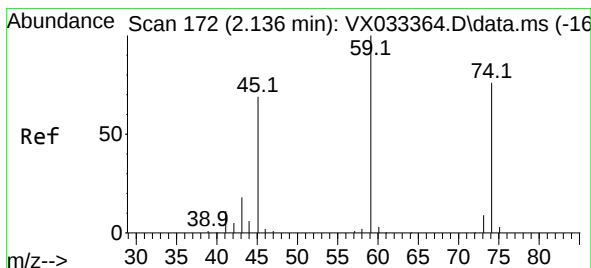
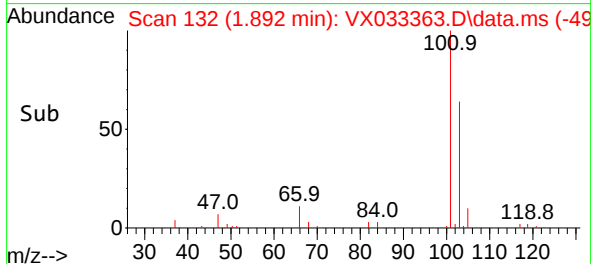
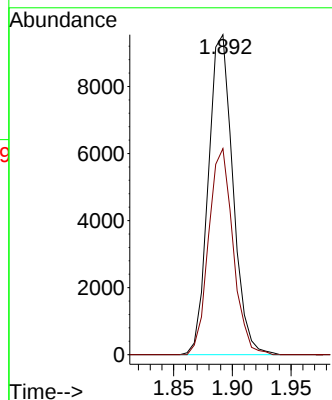
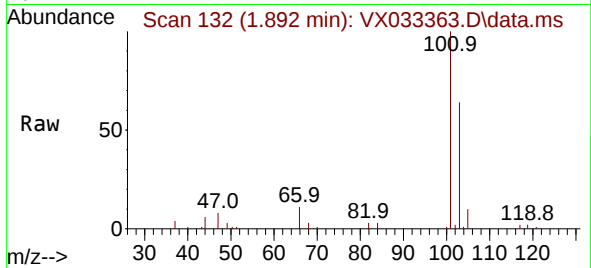
#7
 Trichlorofluoromethane
 Concen: 5.973 ug/l
 RT: 1.892 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX033363.D
 Acq: 12 Dec 2022 10:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion:101 Resp: 1391
 Ion Ratio Lower Upper
 101 100
 103 64.4 51.7 77.5

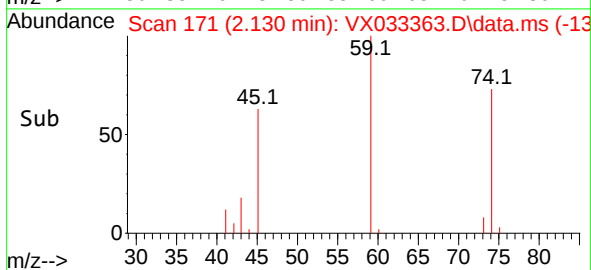
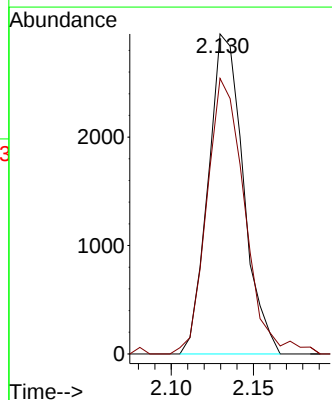
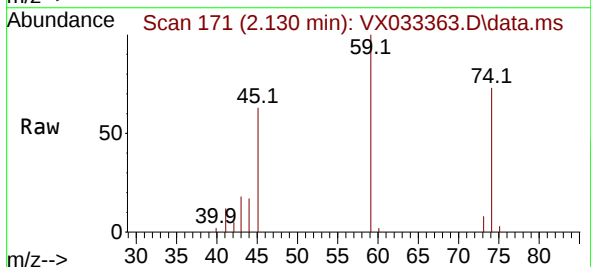
Manual Integrations
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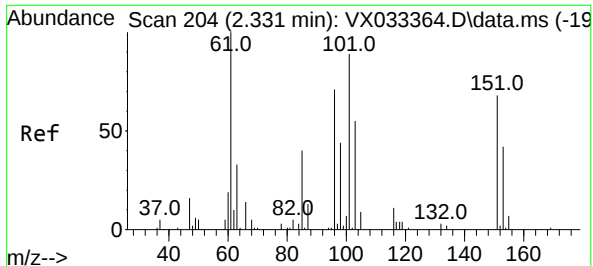
Reviewed By :John Carlone 12/13/2022
 Supervised By :Mahesh Dadoda 12/13/2022



#8
 Diethyl Ether
 Concen: 5.822 ug/l
 RT: 2.130 min Scan# 171
 Delta R.T. 0.000 min
 Lab File: VX033363.D
 Acq: 12 Dec 2022 10:35

Tgt Ion: 74 Resp: 4384
 Ion Ratio Lower Upper
 74 100
 45 90.8 14.2 127.8





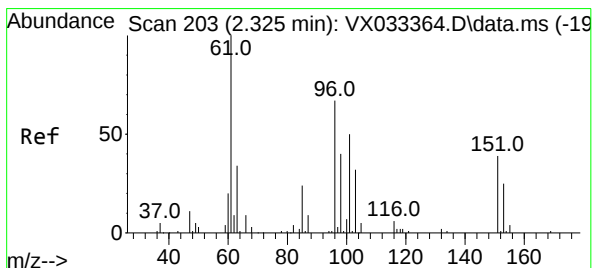
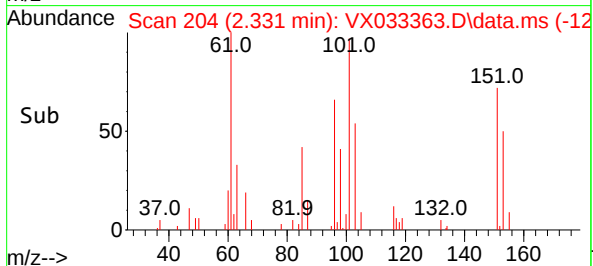
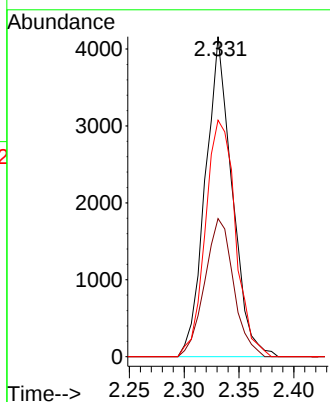
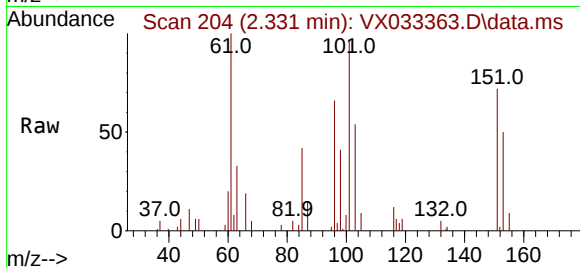
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.706 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.000 min
 Lab File: VX033363.D
 Acq: 12 Dec 2022 10:35

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC005

Tgt Ion:101 Resp: 7069
 Ion Ratio Lower Upper
 101 100
 85 46.4 0.0 88.8
 151 83.0 0.0 156.6

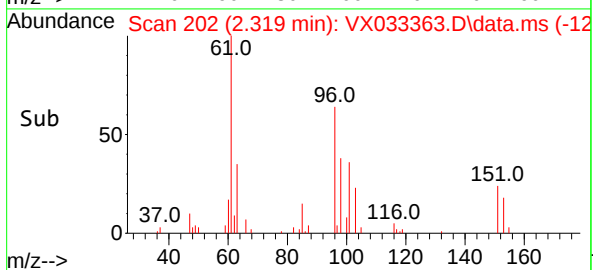
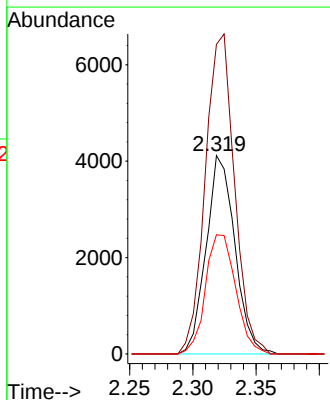
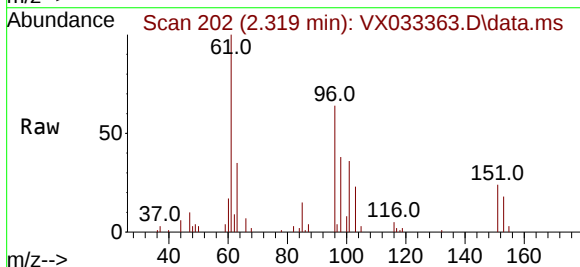
Manual Integrations
 APPROVED

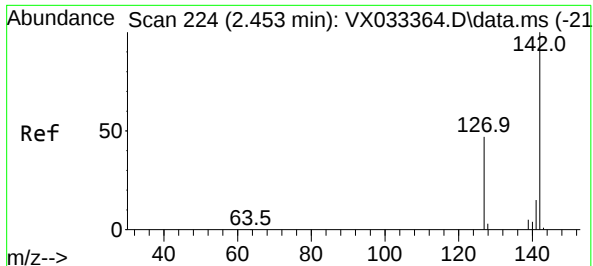
Reviewed By :John Carlone 12/13/2022
 Supervised By :Mahesh Dadoda 12/13/2022



#10
 1,1-Dichloroethene
 Concen: 5.495 ug/l
 RT: 2.319 min Scan# 202
 Delta R.T. 0.000 min
 Lab File: VX033363.D
 Acq: 12 Dec 2022 10:35

Tgt Ion: 96 Resp: 6504
 Ion Ratio Lower Upper
 96 100
 61 156.0 115.8 173.6
 98 60.0 49.7 74.5





#11

Methyl Iodide

Concen: 4.652 ug/l

RT: 2.453 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

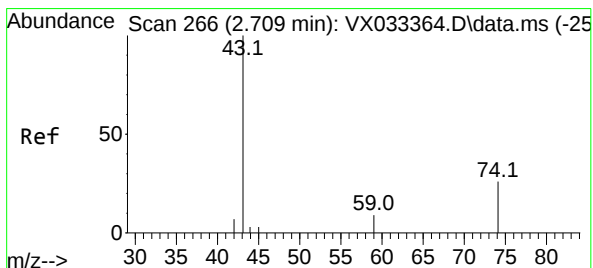
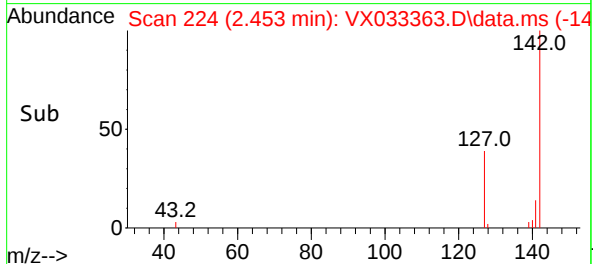
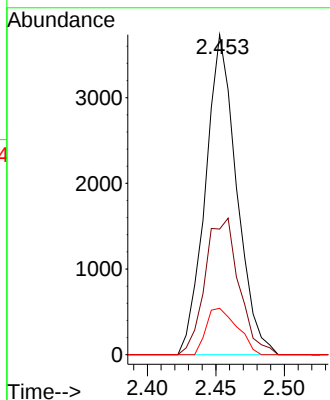
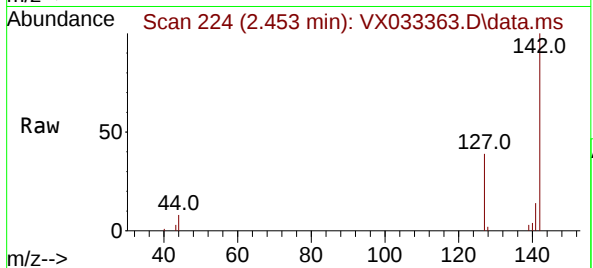
Tgt Ion:	142	Resp:	5920
Ion Ratio	Lower	Upper	
142	100		
127	39.3	23.8	71.2
141	14.5	7.6	22.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#12

Methyl Acetate

Concen: 4.598 ug/l

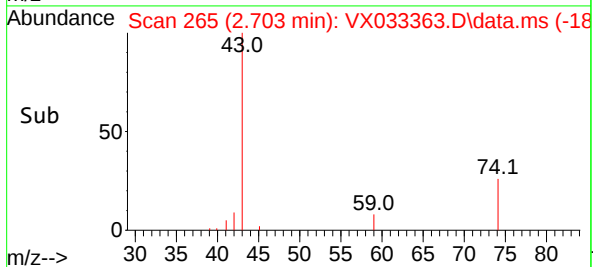
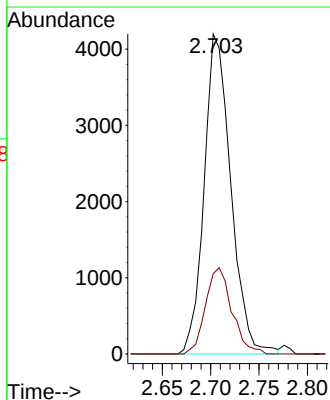
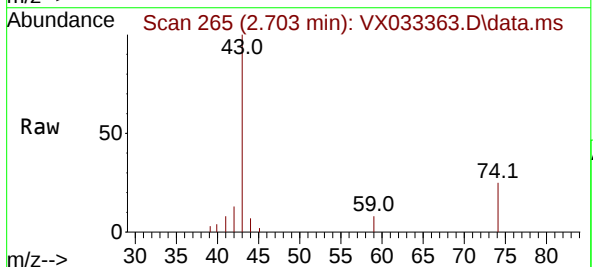
RT: 2.703 min Scan# 265

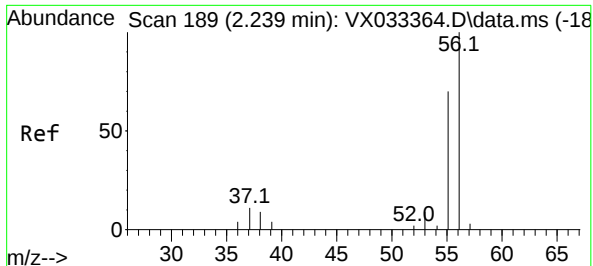
Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

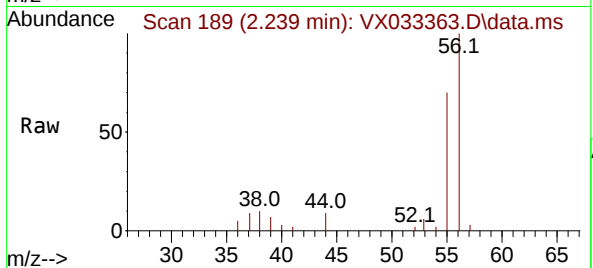
Tgt Ion:	43	Resp:	8061
Ion Ratio	Lower	Upper	
43	100		
74	25.3	24.8	37.2





#13
Acrolein
Concen: 27.796 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

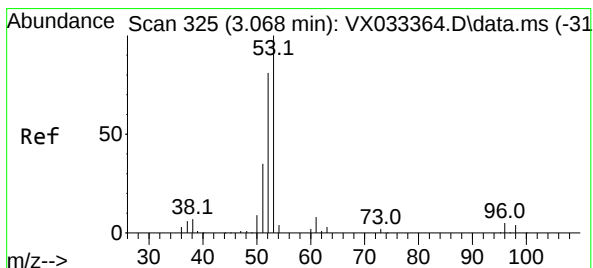
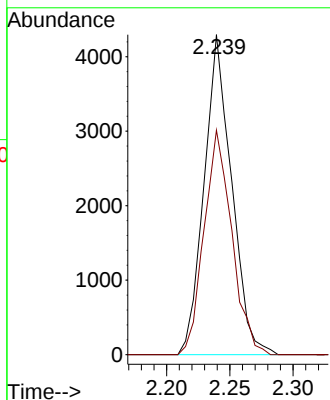
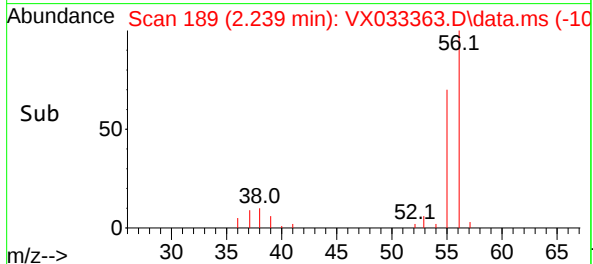
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



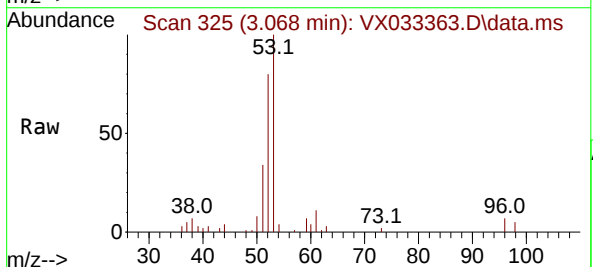
Tgt Ion: 56 Resp: 6499
Ion Ratio Lower Upper
56 100
55 70.7 58.4 87.6

Manual Integrations
APPROVED

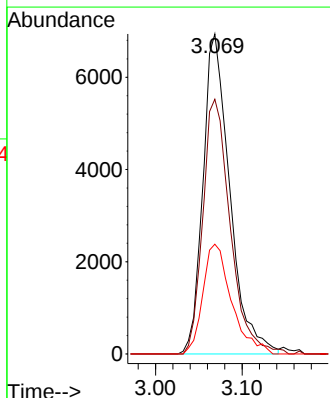
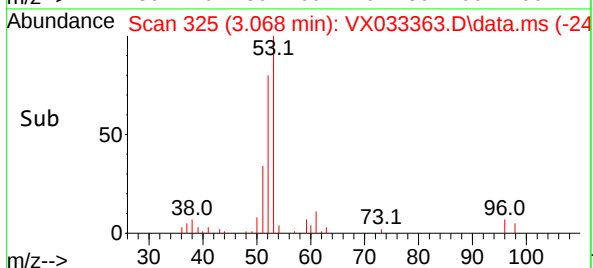
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022

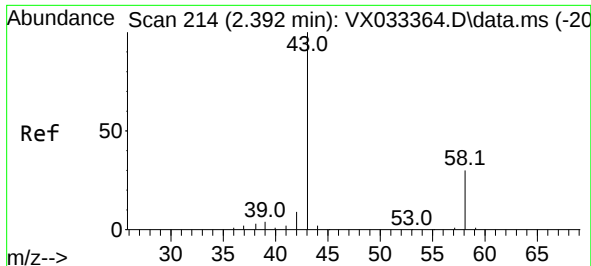


#14
Acrylonitrile
Concen: 23.759 ug/l
RT: 3.068 min Scan# 325
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35



Tgt Ion: 53 Resp: 14933
Ion Ratio Lower Upper
53 100
52 80.9 41.5 124.5
51 36.7 18.3 54.9





#15

Acetone

Concen: 31.535 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 58 Resp: 5154

Ion Ratio Lower Upper

58 100

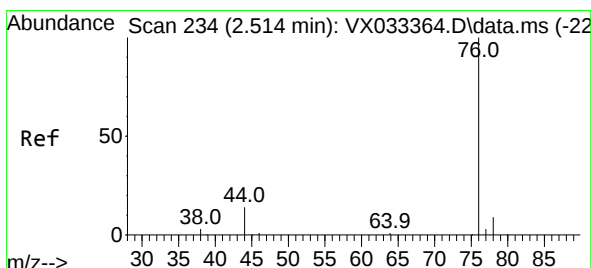
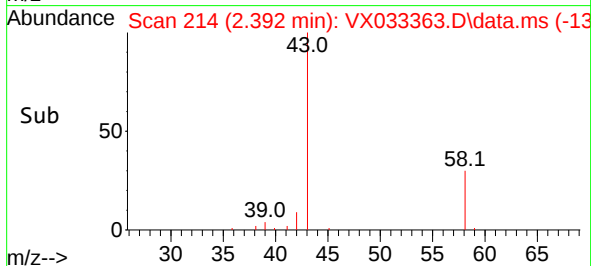
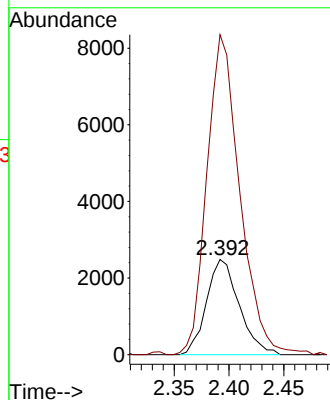
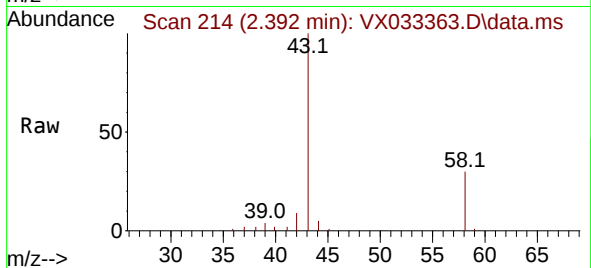
43 333.9 242.6 364.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#16

Carbon Disulfide

Concen: 6.004 ug/l

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

Lab File: VX033363.D

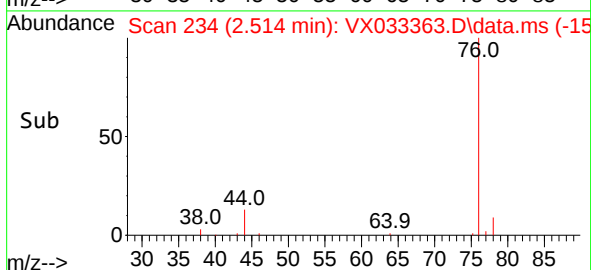
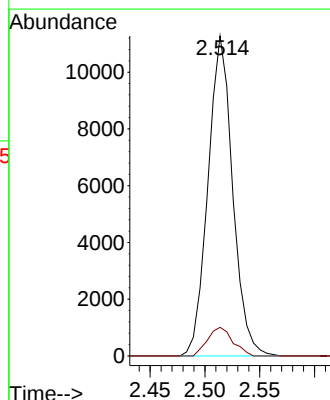
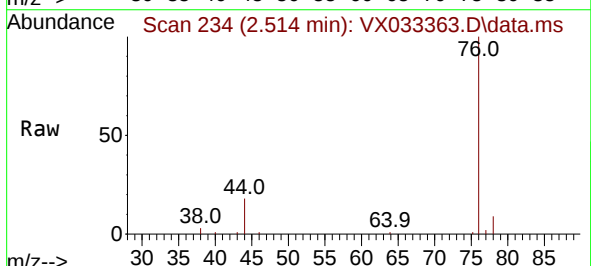
Acq: 12 Dec 2022 10:35

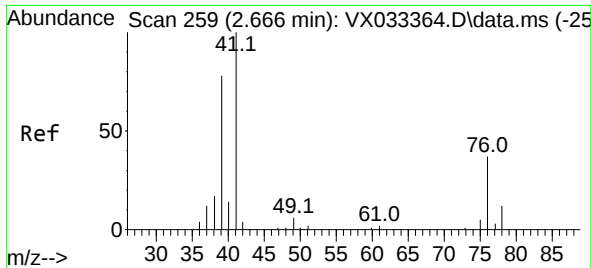
Tgt Ion: 76 Resp: 17691

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3





#17
 Allyl chloride
 Concen: 5.210 ug/l
 RT: 2.666 min Scan# 259
 Delta R.T. 0.000 min
 Lab File: VX033363.D
 Acq: 12 Dec 2022 10:35

Instrument :

MSVOA_X

ClientSampleId :

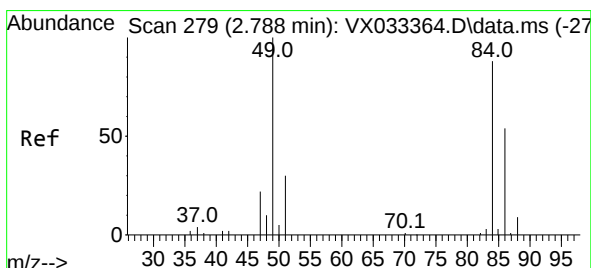
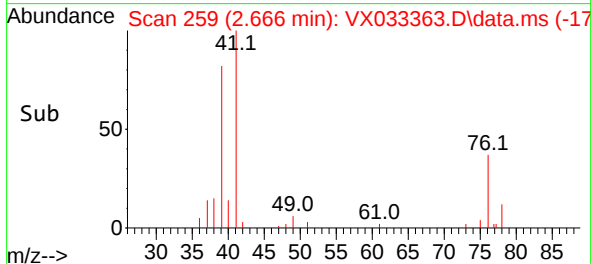
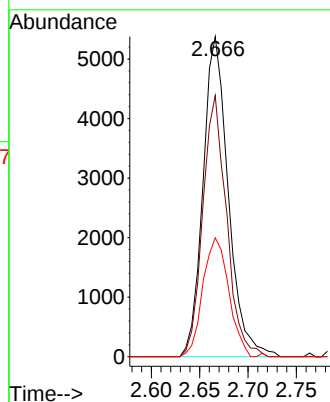
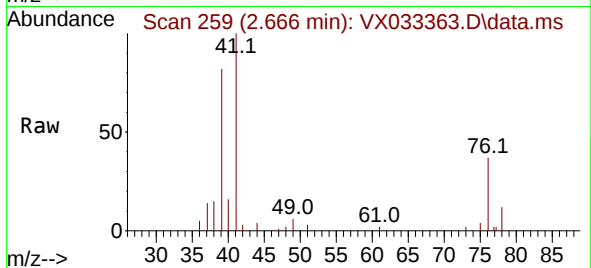
VSTDICC005

Tgt Ion: 41 Resp: 9798
 Ion Ratio Lower Upper
 41 100
 39 81.6 37.0 111.0
 76 37.2 23.8 71.5

Manual Integrations

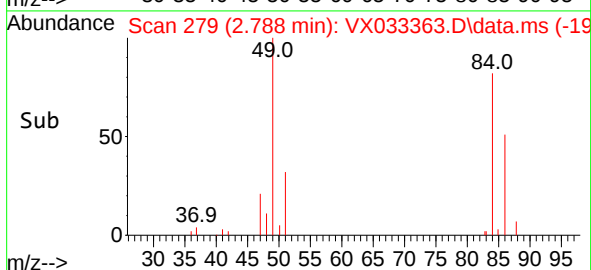
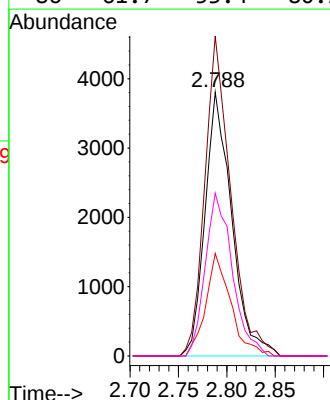
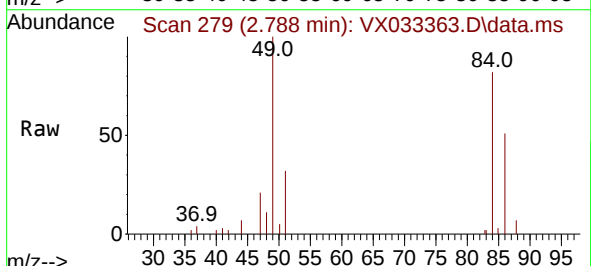
APPROVED

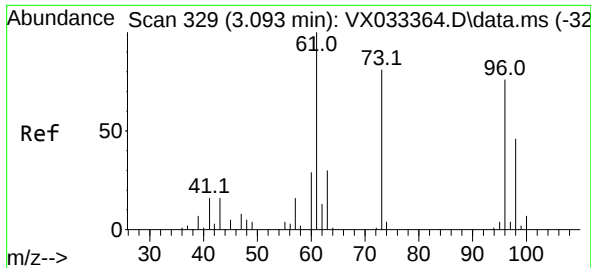
Reviewed By :John Carlone 12/13/2022
 Supervised By :Mahesh Dadoda 12/13/2022



#18
 Methylene Chloride
 Concen: 5.363 ug/l
 RT: 2.788 min Scan# 279
 Delta R.T. 0.000 min
 Lab File: VX033363.D
 Acq: 12 Dec 2022 10:35

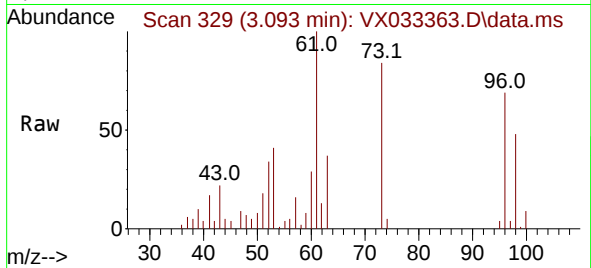
Tgt Ion: 84 Resp: 7320
 Ion Ratio Lower Upper
 84 100
 49 121.3 84.6 127.0
 51 38.8 26.5 39.7
 86 61.7 53.4 80.2





#19
trans-1,2-Dichloroethene
Concen: 5.334 ug/l
RT: 3.093 min Scan# 329
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

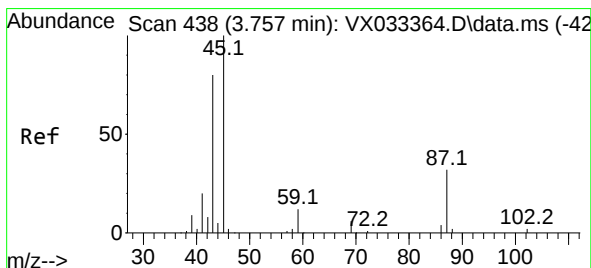
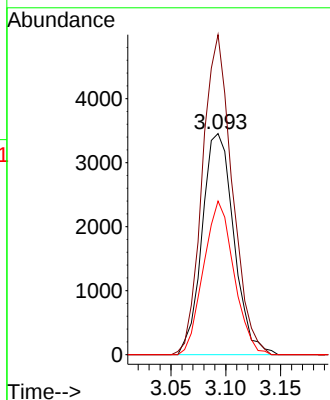
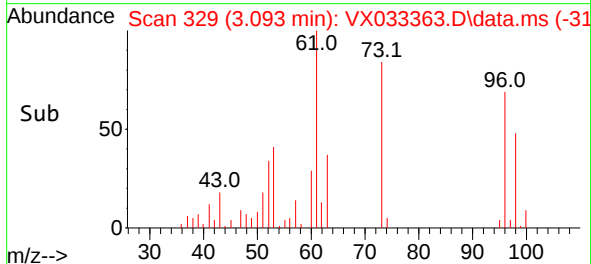
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 96 Resp: 6958
Ion Ratio Lower Upper
96 100
61 144.7 87.4 131.0
98 69.5 51.5 77.3

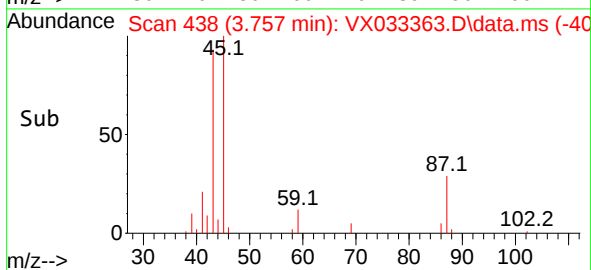
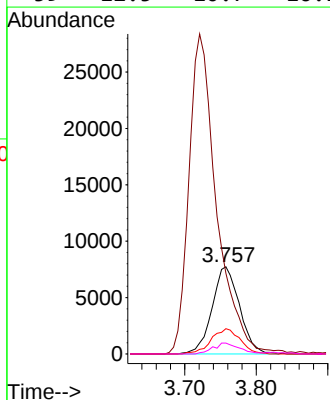
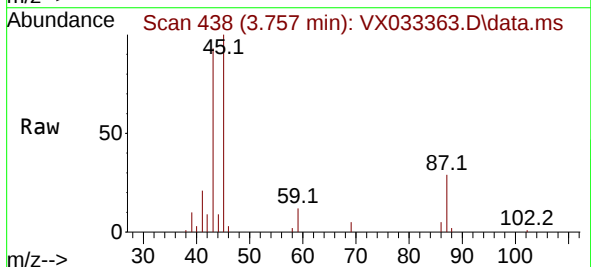
Manual Integrations
APPROVED

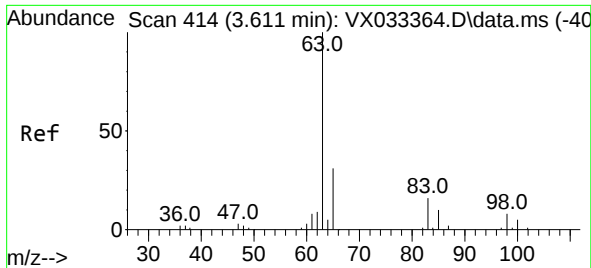
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#20
Diisopropyl ether
Concen: 4.877 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Tgt Ion: 45 Resp: 20566
Ion Ratio Lower Upper
45 100
43 88.6 74.5 111.7
87 29.0 30.4 45.6
59 12.5 10.7 16.1





#21

1,1-Dichloroethane

Concen: 5.242 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

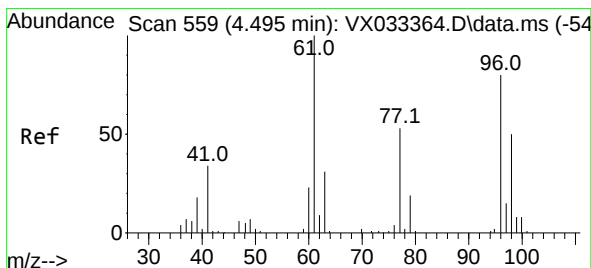
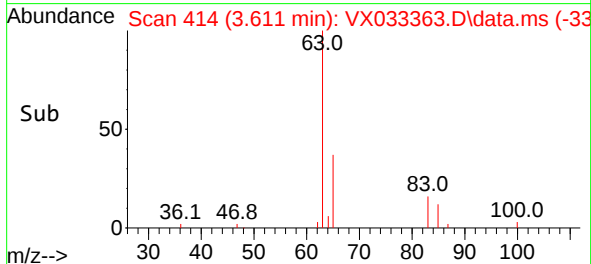
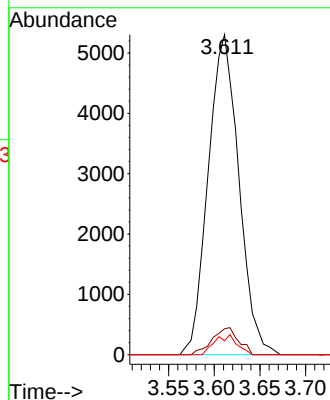
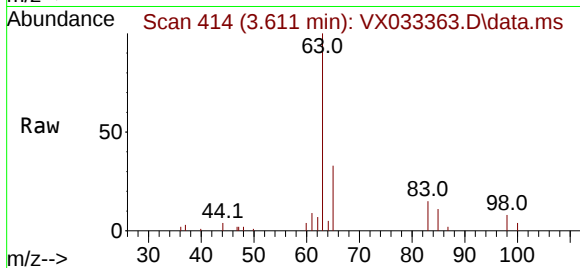
Tgt Ion:	63	Resp:	12410
Ion Ratio	Lower	Upper	
63	100		
98	8.1	4.5	13.7
100	4.4	2.8	8.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#22

cis-1,2-Dichloroethene

Concen: 5.216 ug/l

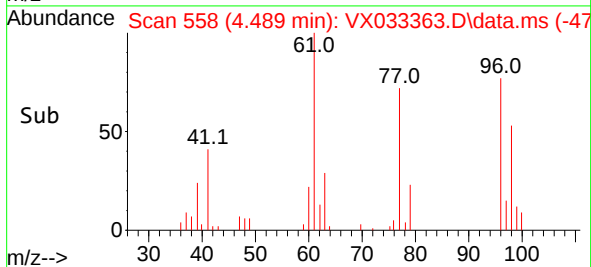
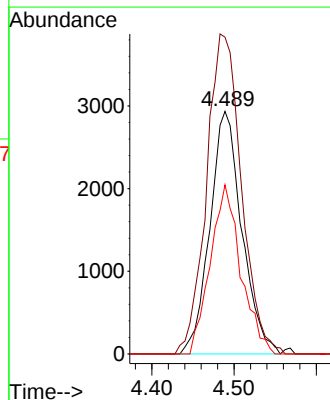
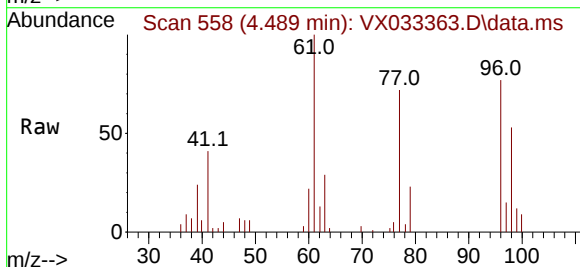
RT: 4.489 min Scan# 558

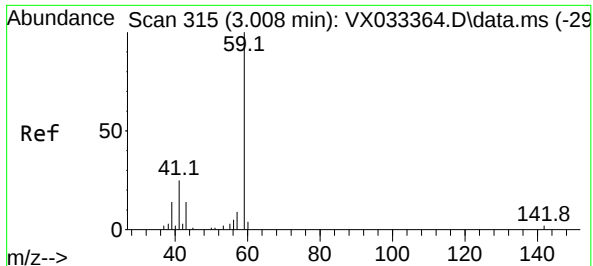
Delta R.T. -0.006 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Tgt Ion:	96	Resp:	7940
Ion Ratio	Lower	Upper	
96	100		
61	143.6	98.0	147.0
98	66.4	52.2	78.4





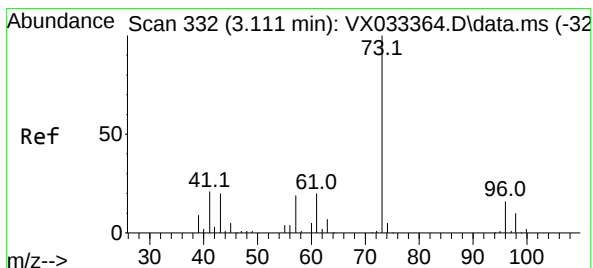
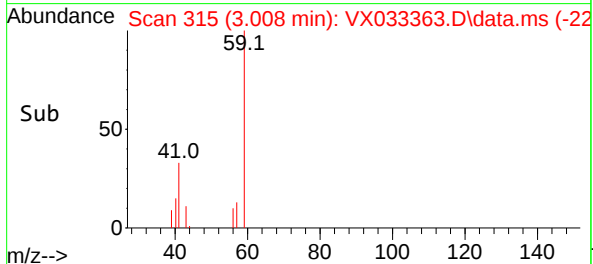
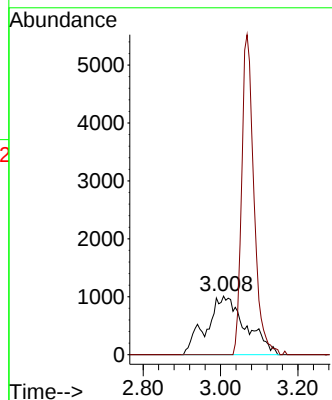
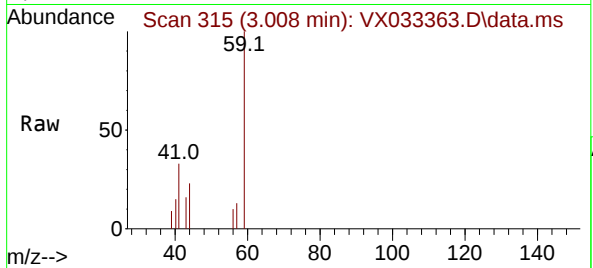
#23
tert-Butyl Alcohol
Concen: 34.731 ug/l m
RT: 3.008 min Scan# 315
Delta R.T. 0.024 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 59 Resp: 7088
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

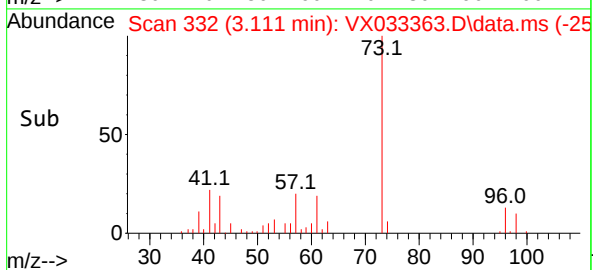
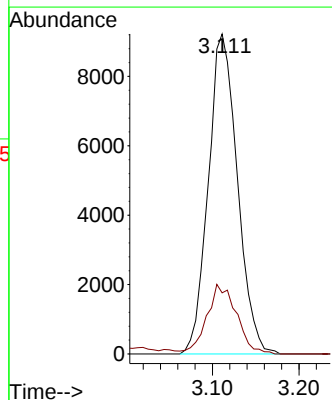
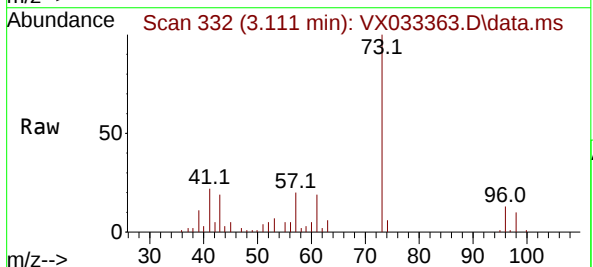
Manual Integrations
APPROVED

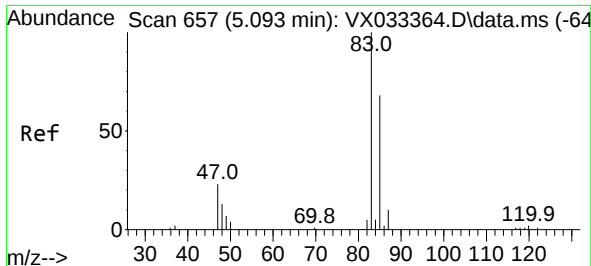
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#24
Methyl tert-Butyl Ether
Concen: 5.080 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Tgt Ion: 73 Resp: 21531
Ion Ratio Lower Upper
73 100
43 22.2 14.8 22.2





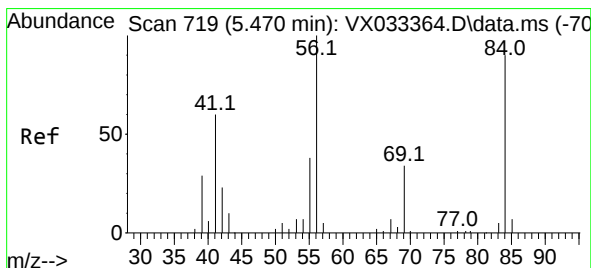
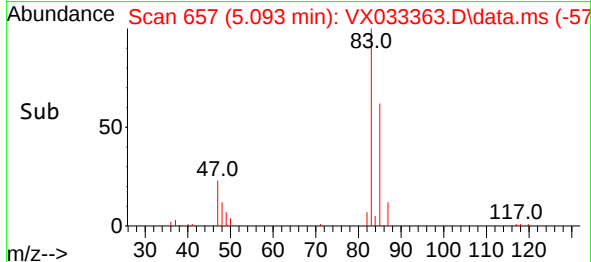
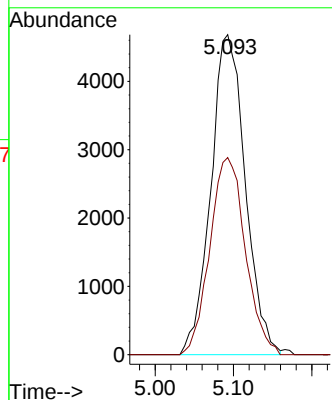
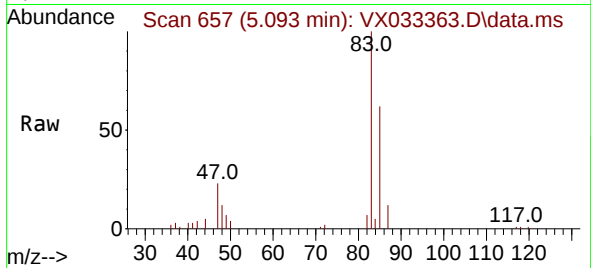
#25
Chloroform
Concen: 5.428 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 83 Resp: 1433
Ion Ratio Lower Upper
83 100
85 61.6 51.4 77.0

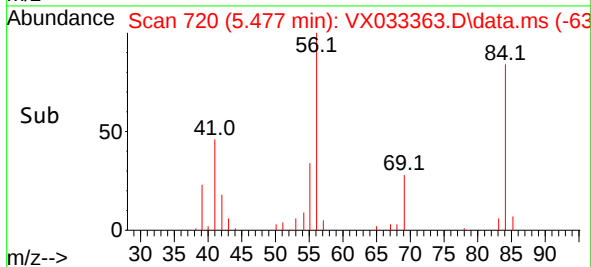
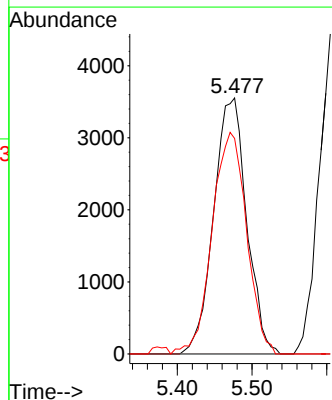
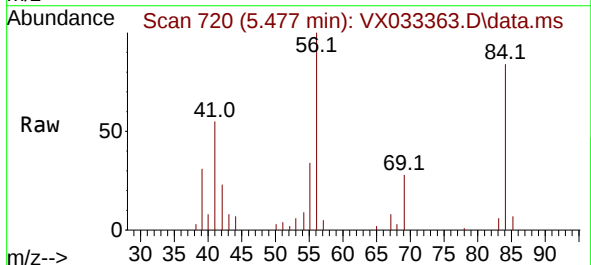
Manual Integrations
APPROVED

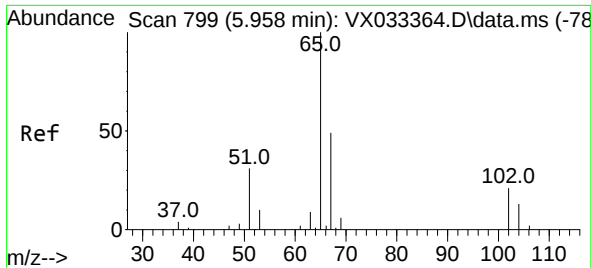
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#26
Cyclohexane
Concen: 5.280 ug/l
RT: 5.477 min Scan# 720
Delta R.T. 0.006 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Tgt Ion: 56 Resp: 10916
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 90.2 86.6 130.0





#27

1,2-Dichloroethane-d4

Concen: 28.607 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 33578

Ion Ratio Lower Upper

65 100

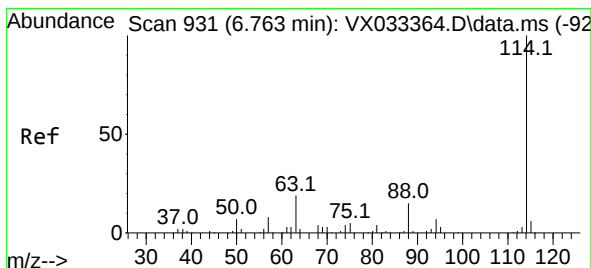
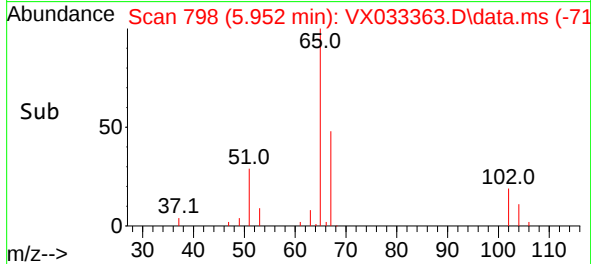
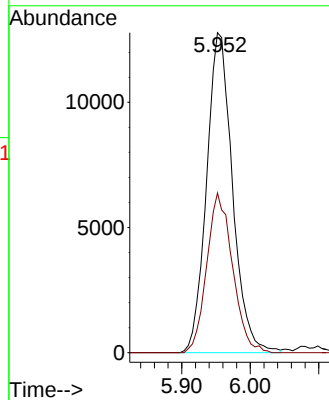
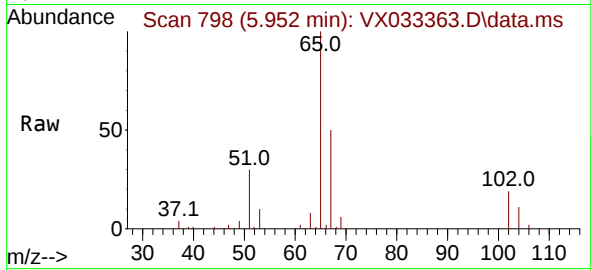
67 49.1 41.8 62.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

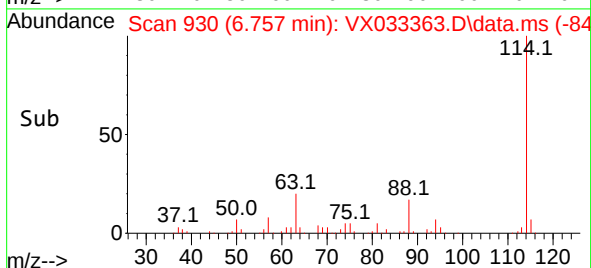
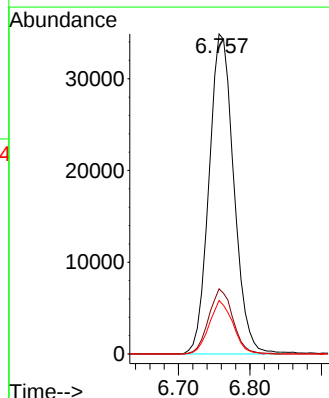
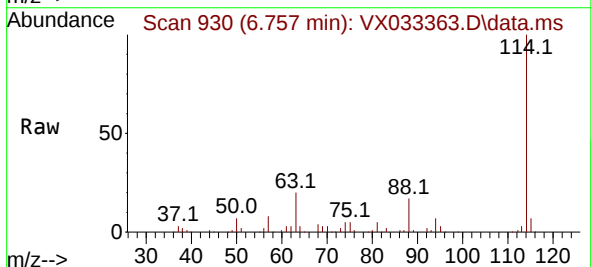
Tgt Ion:114 Resp: 84063

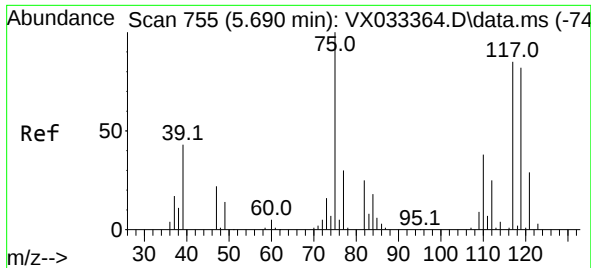
Ion Ratio Lower Upper

114 100

63 19.9 13.6 20.4

88 15.9 11.8 17.6





#29

1,1-Dichloropropene

Concen: 5.299 ug/l

RT: 5.690 min Scan# 755

Delta R.T. -0.006 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

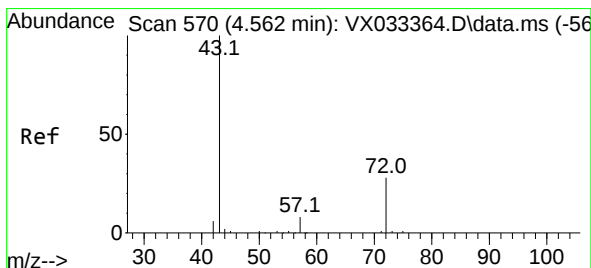
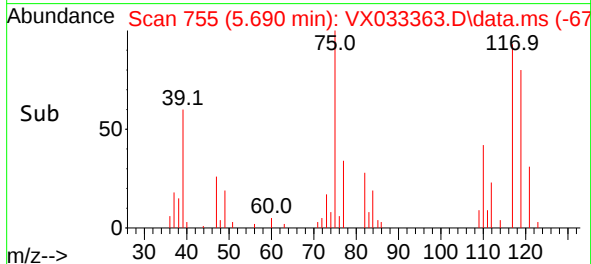
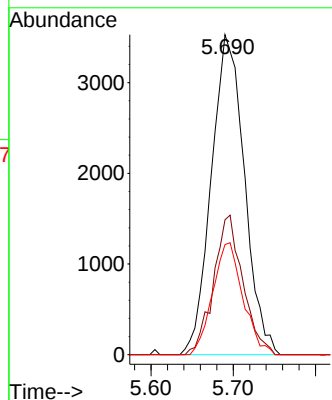
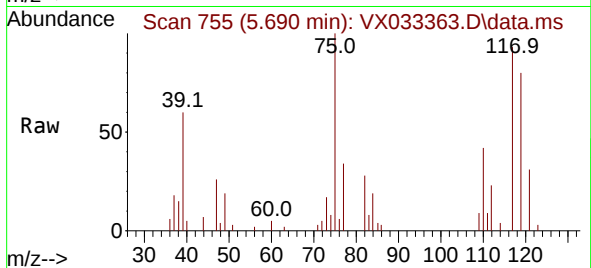
Tgt Ion:	75	Resp:	9879
Ion Ratio	Lower	Upper	
75	100		
110	38.5	0.0	80.4
77	31.4	0.0	62.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#30

2-Butanone

Concen: 25.167 ug/l

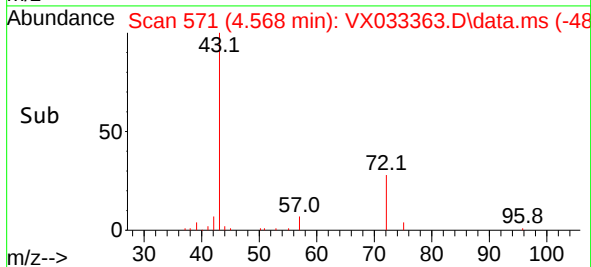
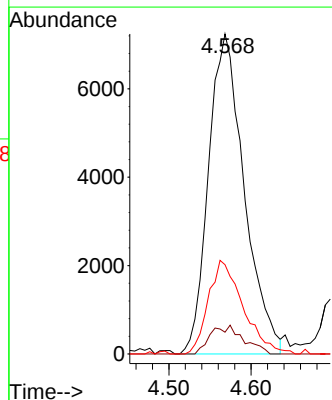
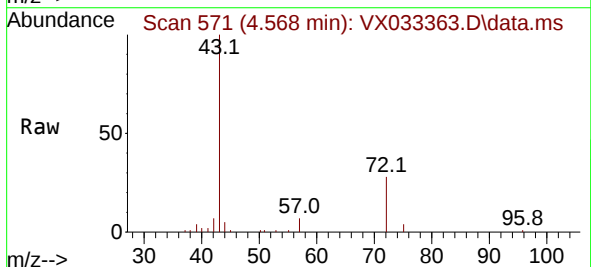
RT: 4.568 min Scan# 571

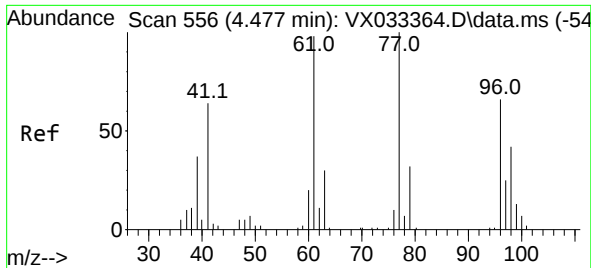
Delta R.T. 0.006 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Tgt Ion:	43	Resp:	21878
Ion Ratio	Lower	Upper	
43	100		
57	1.7	7.5	11.3
72	28.4	26.6	39.8





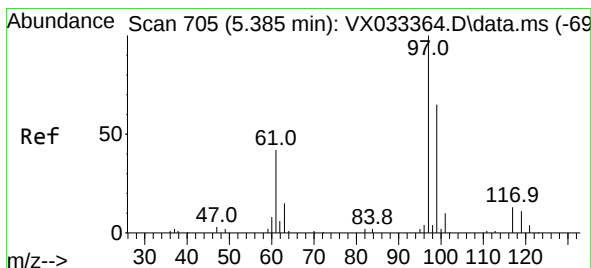
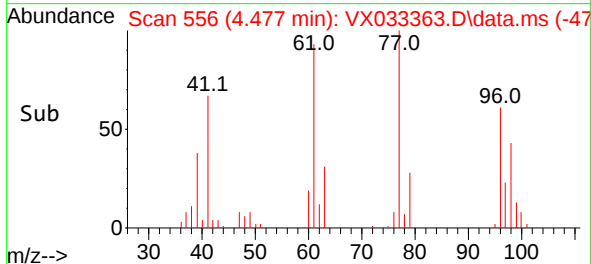
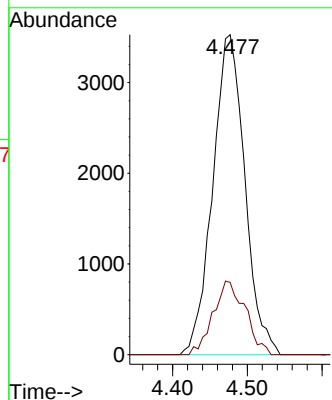
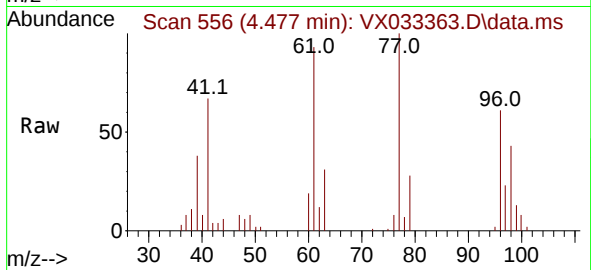
#31
2,2-Dichloropropane
Concen: 6.607 ug/l
RT: 4.477 min Scan# 51
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 77 Resp: 1053
Ion Ratio Lower Upper
77 100
97 22.3 20.0 30.0

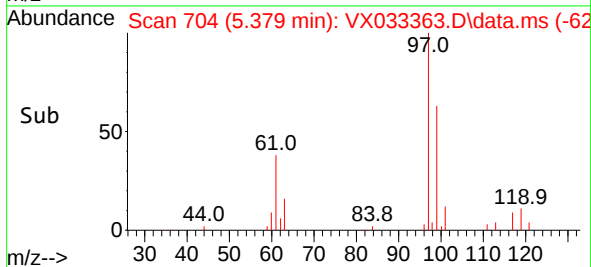
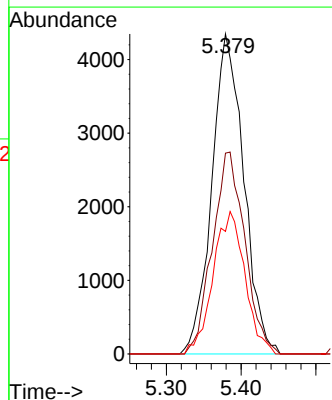
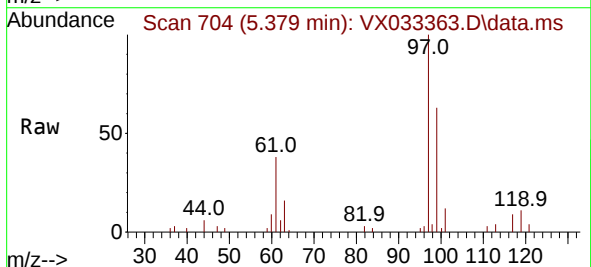
Manual Integrations
APPROVED

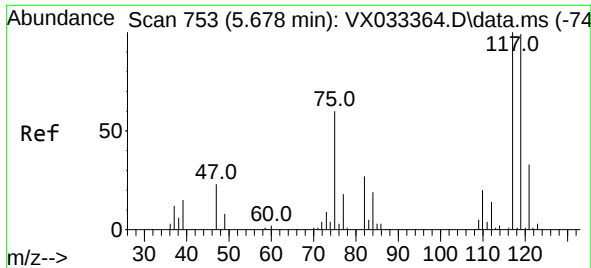
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#32
1,1,1-Trichloroethane
Concen: 5.502 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Tgt Ion: 97 Resp: 12904
Ion Ratio Lower Upper
97 100
99 64.0 53.8 80.6
61 44.5 31.3 46.9





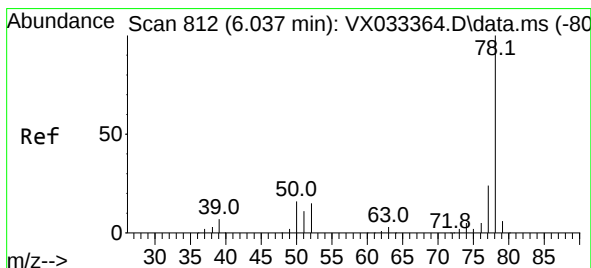
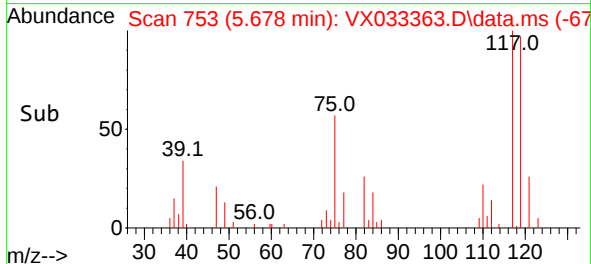
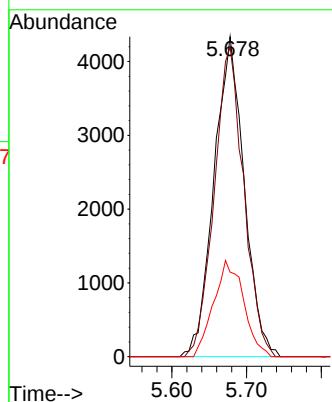
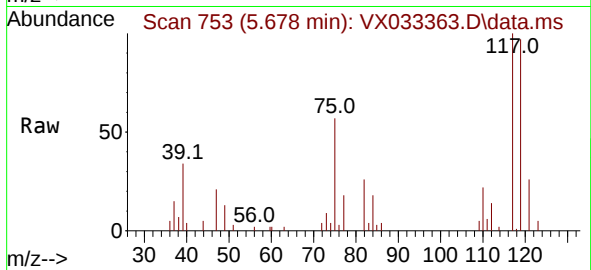
#33
Carbon Tetrachloride
Concen: 5.908 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 1216
Ion Ratio Lower Upper
117 100
119 96.8 75.4 113.2
121 26.4 24.4 36.6

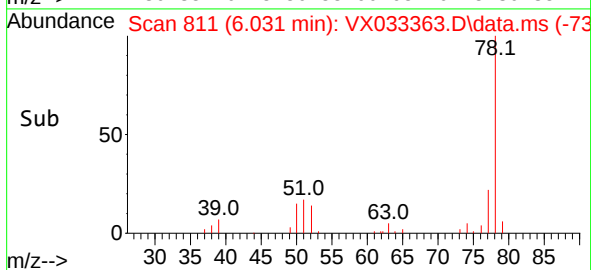
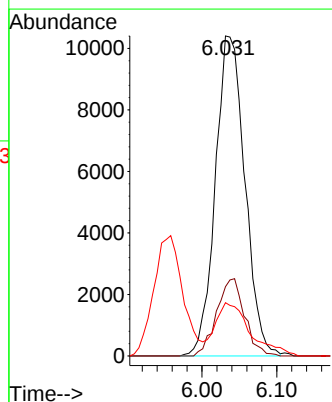
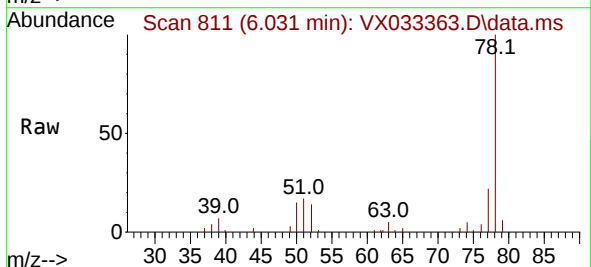
Manual Integrations
APPROVED

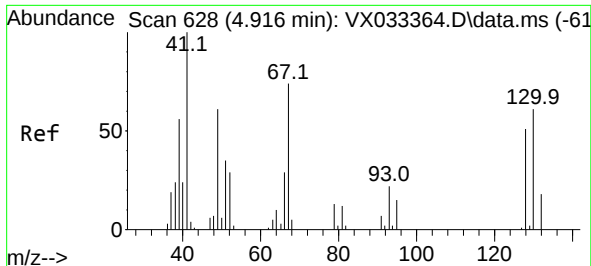
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#34
Benzene
Concen: 5.449 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.006 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Tgt Ion: 78 Resp: 28625
Ion Ratio Lower Upper
78 100
77 21.6 19.0 28.6
51 14.0 10.6 15.8





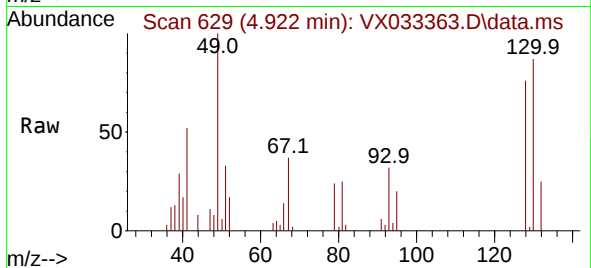
#35
Methacrylonitrile
Concen: 4.645 ug/l
RT: 4.922 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005



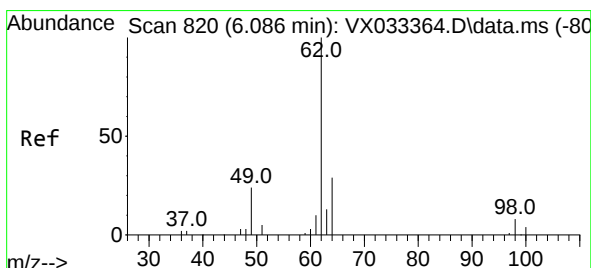
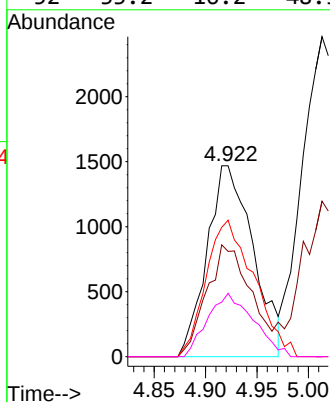
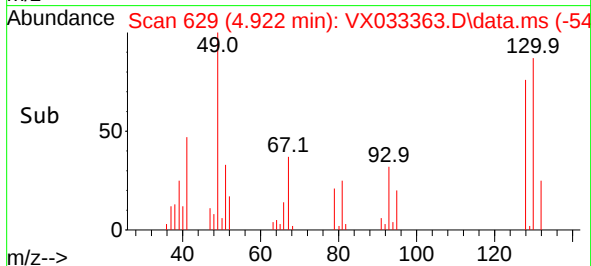
Tgt Ion: 41 Resp: 457
Ion Ratio Lower Upper
41 100
39 55.1 26.9 80.7
67 71.5 40.6 121.8
52 33.2 16.2 48.5

Manual Integrations

APPROVED

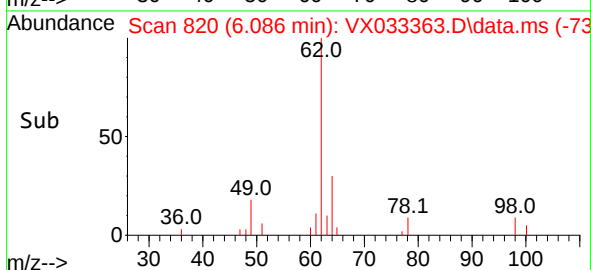
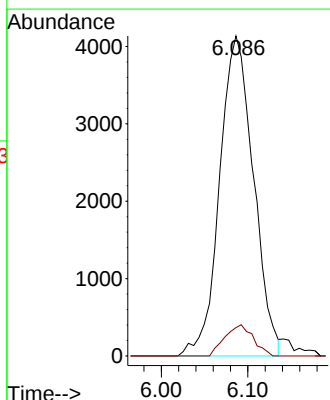
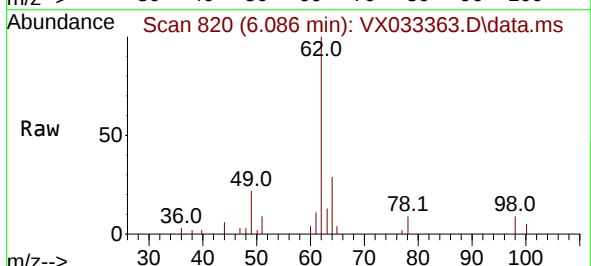
Reviewed By :John Carlone 12/13/2022

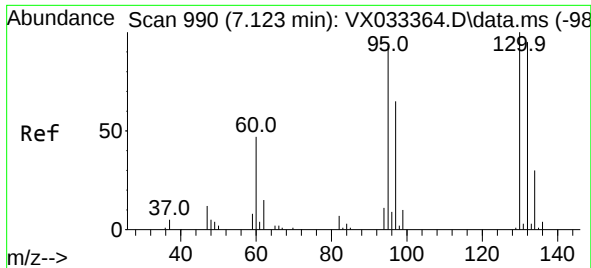
Supervised By :Mahesh Dadoda 12/13/2022



#36
1,2-Dichloroethane
Concen: 5.187 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.006 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

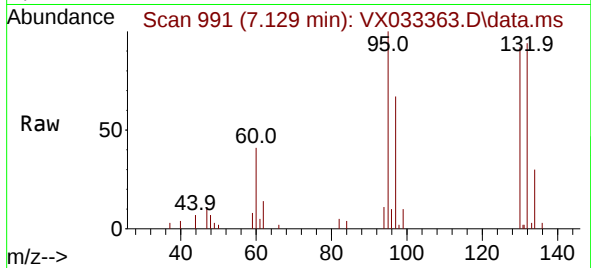
Tgt Ion: 62 Resp: 11218
Ion Ratio Lower Upper
62 100
98 8.2 8.8 13.2#





#37
Trichloroethene
Concen: 5.355 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

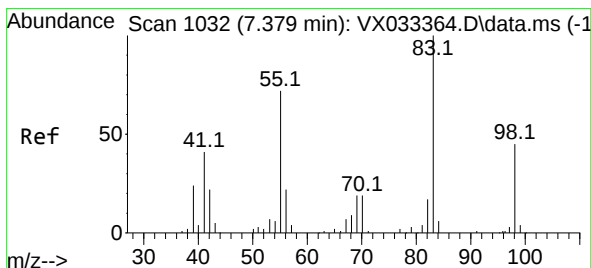
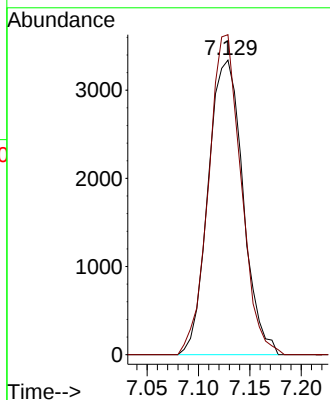
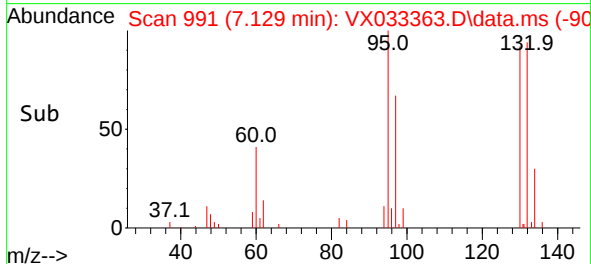
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



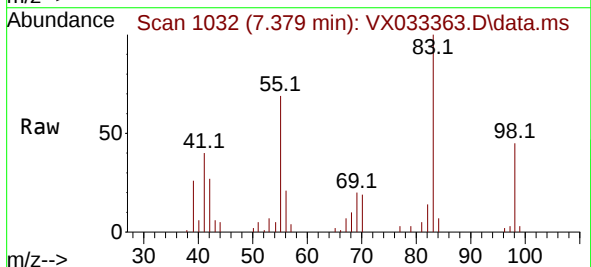
Tgt Ion:130 Resp: 7870
Ion Ratio Lower Upper
130 100
95 108.7 72.4 108.6

Manual Integrations
APPROVED

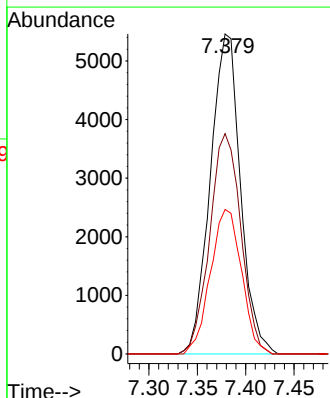
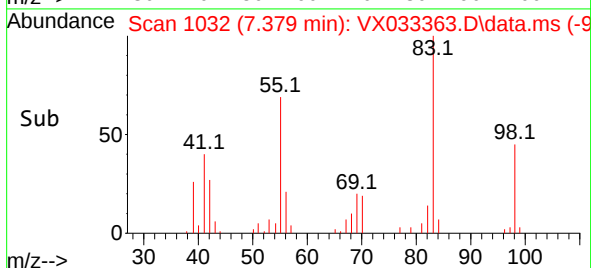
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022

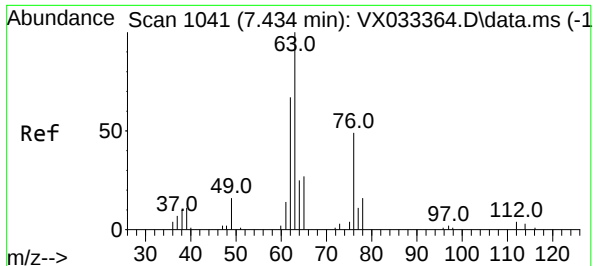


#38
Methylcyclohexane
Concen: 5.669 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35



Tgt Ion: 83 Resp: 11841
Ion Ratio Lower Upper
83 100
55 71.0 31.6 94.7
98 46.7 26.9 80.6





#39

1,2-Dichloropropane

Concen: 5.261 ug/l

RT: 7.434 min Scan# 1041

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 63 Resp: 699

Ion Ratio Lower Upper

63 100

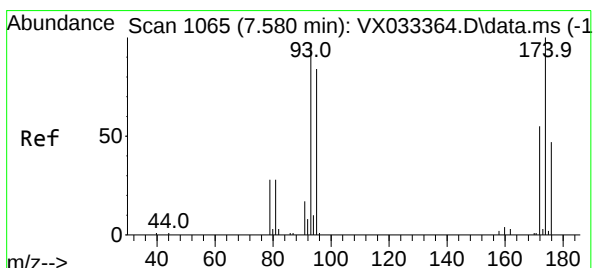
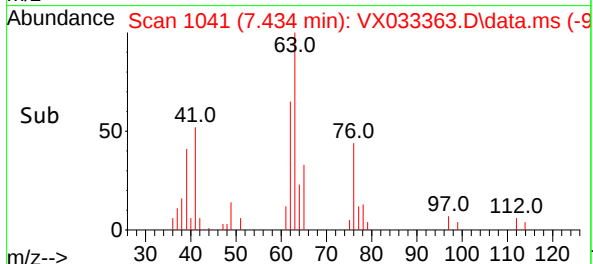
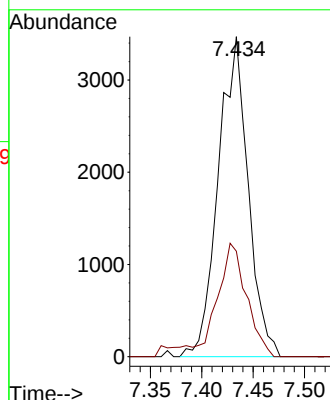
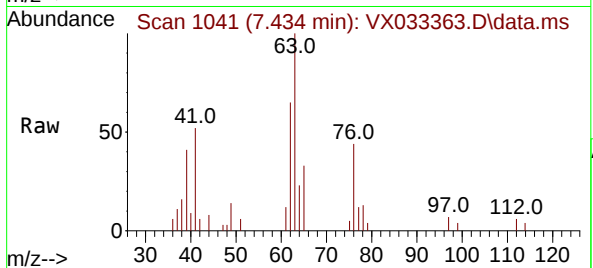
65 33.0 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#40

Dibromomethane

Concen: 5.486 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

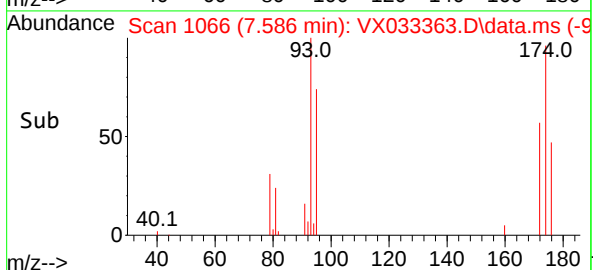
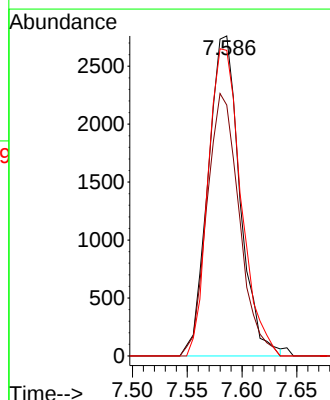
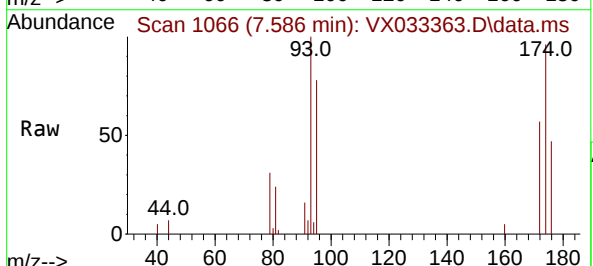
Tgt Ion: 93 Resp: 5569

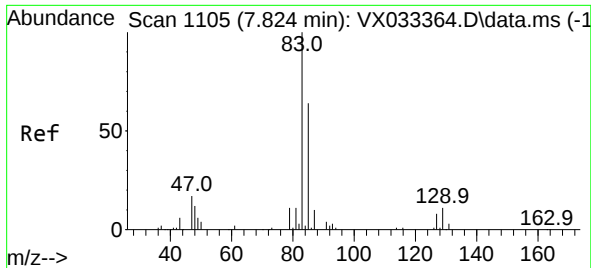
Ion Ratio Lower Upper

93 100

95 83.1 0.0 165.0

174 99.0 0.0 205.2





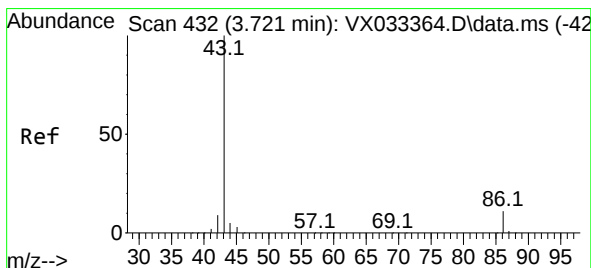
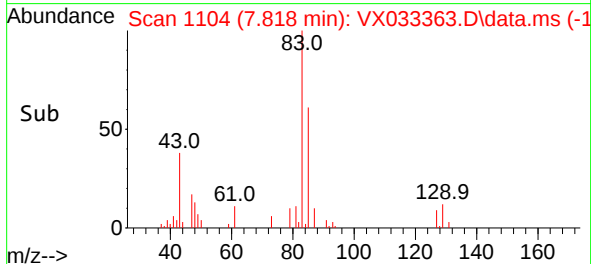
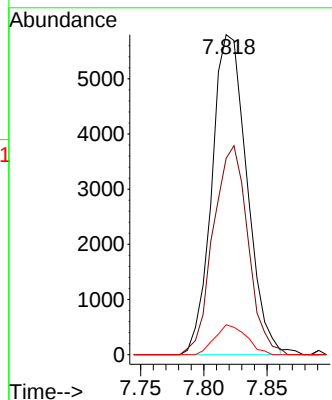
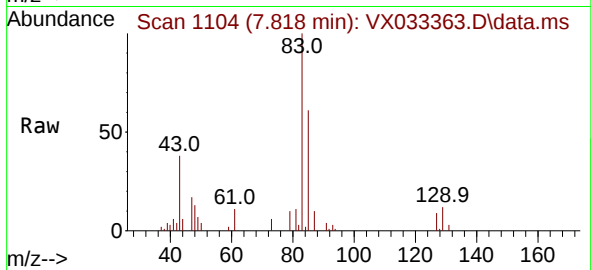
#41
Bromodichloromethane
Concen: 5.766 ug/l
RT: 7.818 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 11158
Ion Ratio Lower Upper
83 100
85 61.3 52.3 78.5
127 9.3 6.8 10.2

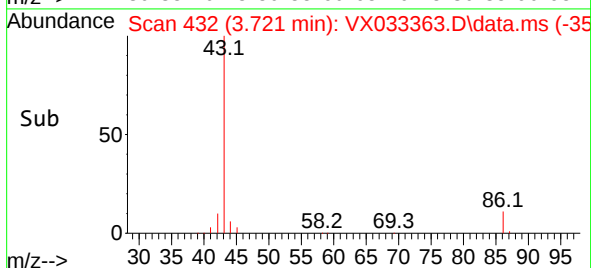
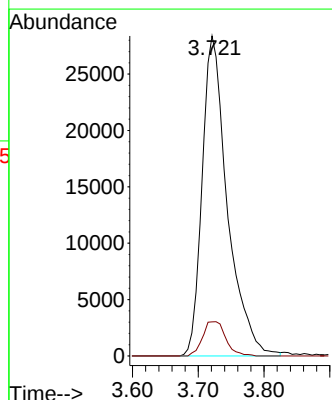
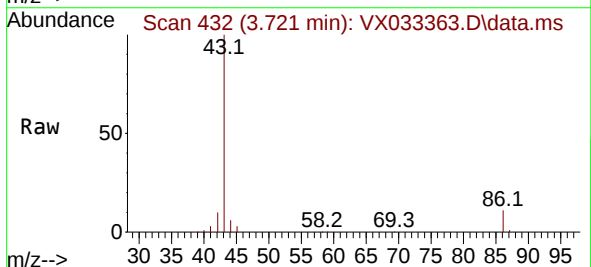
Manual Integrations
APPROVED

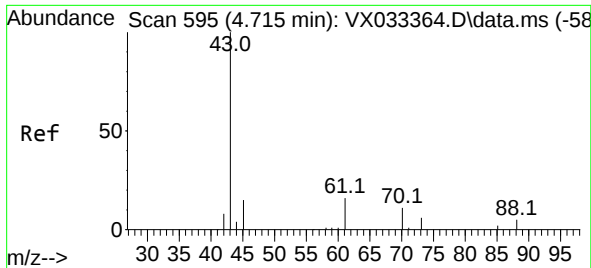
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#42
Vinyl Acetate
Concen: 22.721 ug/l
RT: 3.721 min Scan# 432
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

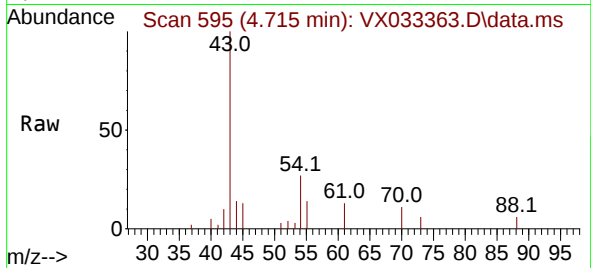
Tgt Ion: 43 Resp: 75895
Ion Ratio Lower Upper
43 100
86 9.8 10.3 15.5#





#43
Ethyl Acetate
Concen: 4.595 ug/l m
RT: 4.715 min Scan# 595
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

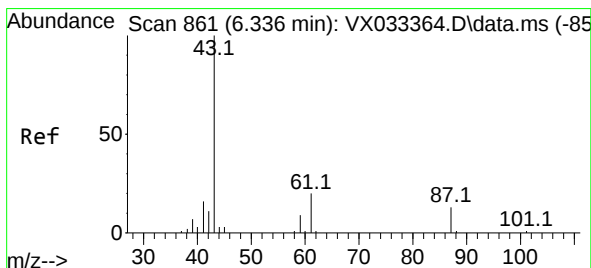
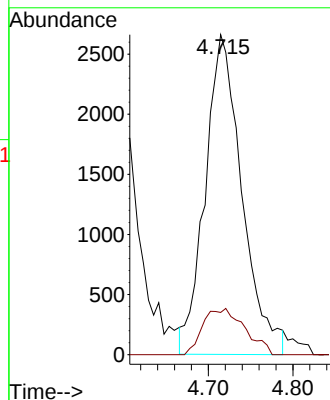
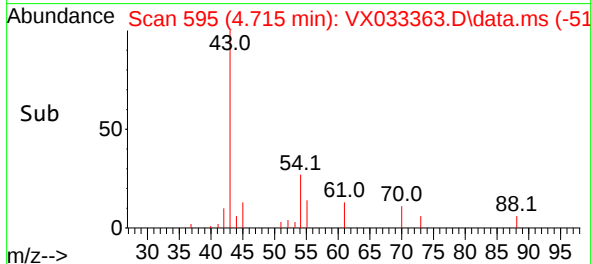
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



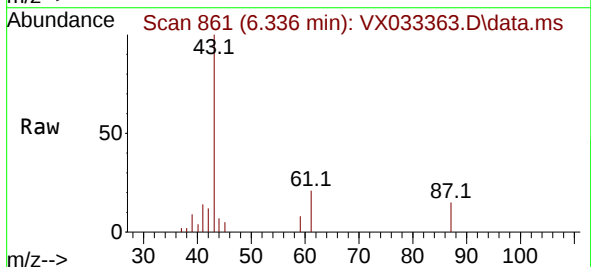
Tgt Ion: 43 Resp: 803
Ion Ratio Lower Upper
43 100
45 7.7 8.2 12.2

Manual Integrations
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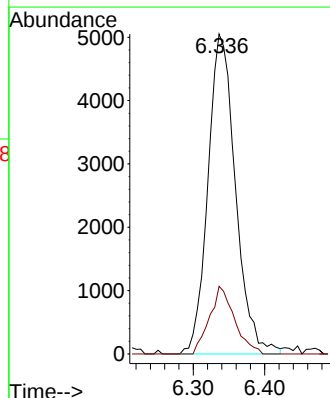
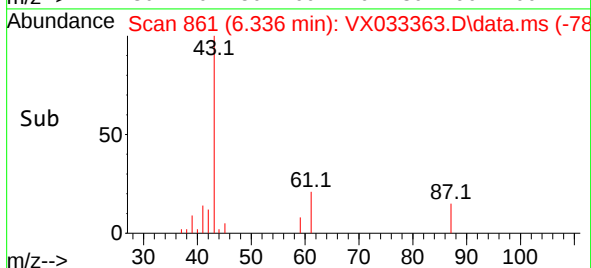
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022

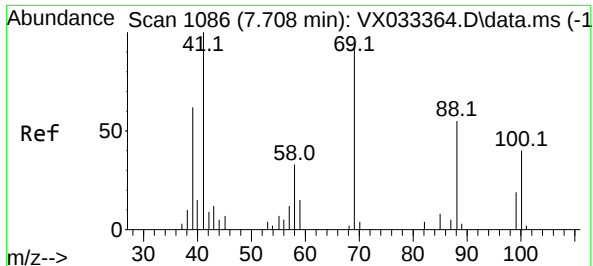


#44
Isopropyl Acetate
Concen: 4.616 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.006 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35



Tgt Ion: 43 Resp: 13528
Ion Ratio Lower Upper
43 100
61 19.1 17.2 25.8





#45

1,4-Dioxane

Concen: 110.059 ug/l m

RT: 7.714 min Scan# 1086

Delta R.T. 0.024 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

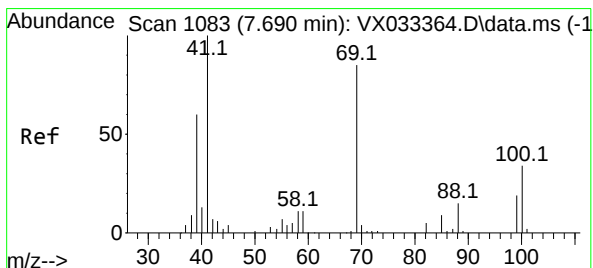
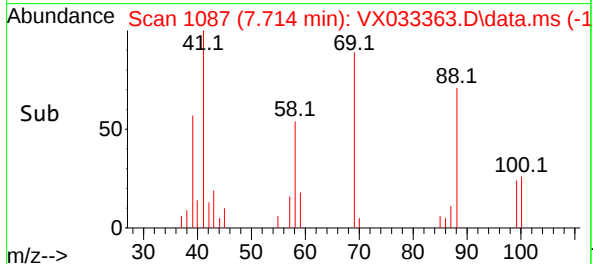
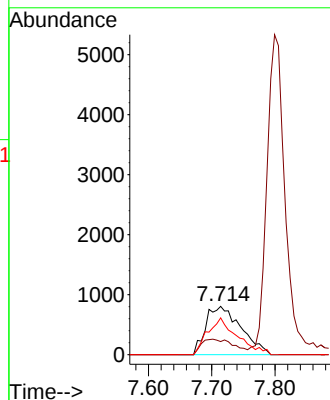
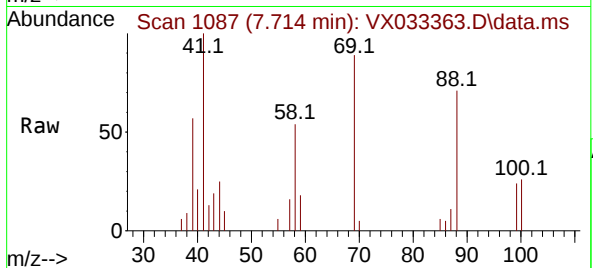
Tgt Ion: 88	Resp: 3098
Ion Ratio	Lower Upper
88	100
43	17.6 20.4 30.6
58	64.4 44.0 66.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#46

Methyl methacrylate

Concen: 4.403 ug/l

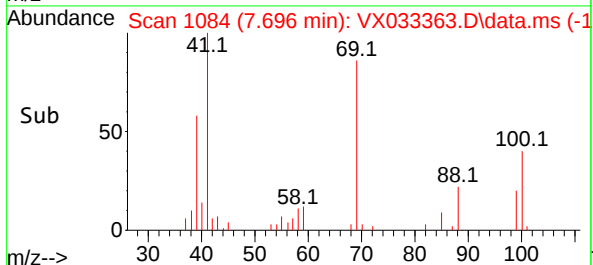
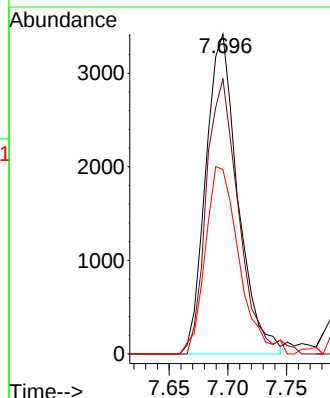
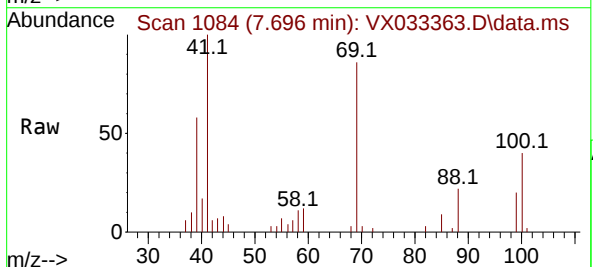
RT: 7.696 min Scan# 1084

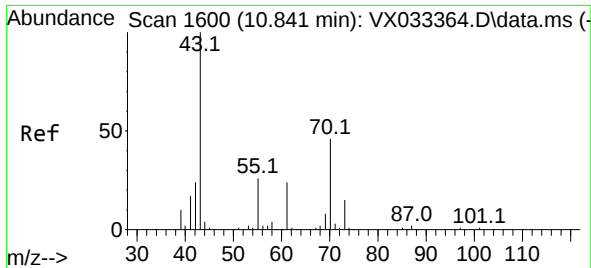
Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Tgt Ion: 41	Resp: 6495
Ion Ratio	Lower Upper
41	100
69	85.9 50.5 151.5
39	57.6 34.6 103.8





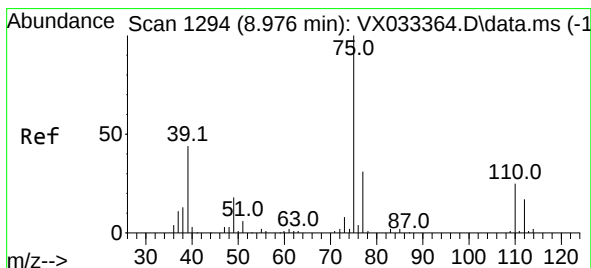
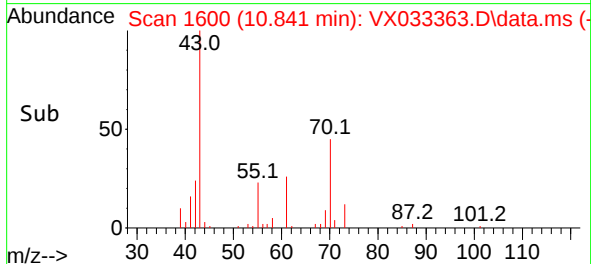
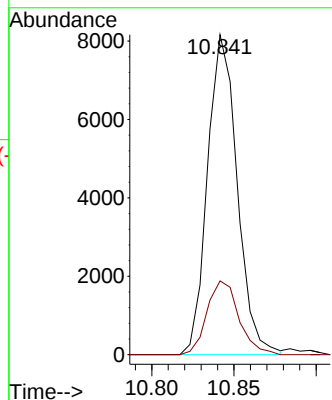
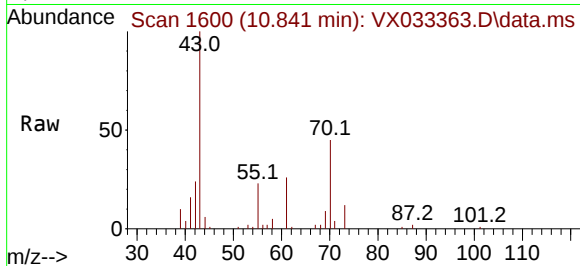
#47
n-amy1 Acetate
Concen: 3.940 ug/l
RT: 10.841 min Scan# 1026
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 1026
Ion Ratio Lower Upper
43 100
55 24.7 21.6 32.4

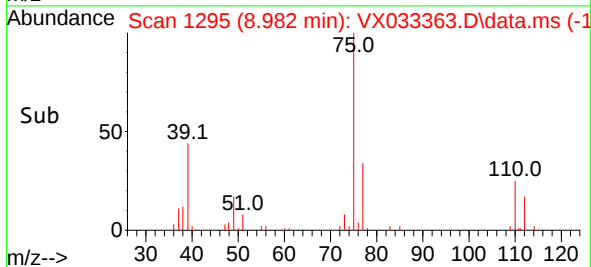
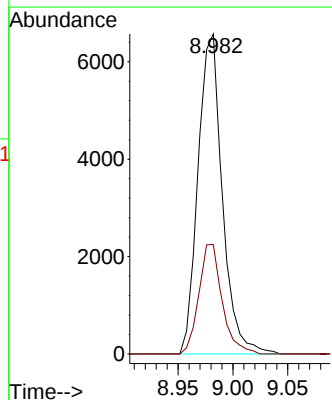
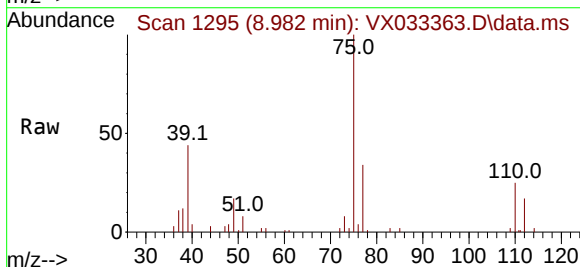
Manual Integrations
APPROVED

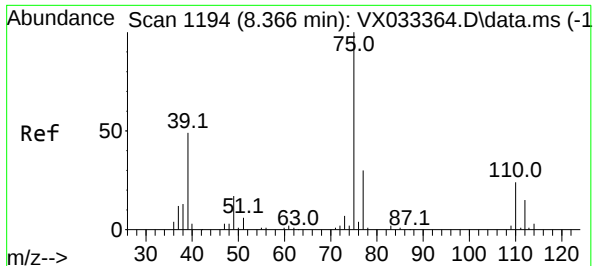
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#48
t-1,3-Dichloropropene
Concen: 5.095 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Tgt Ion: 75 Resp: 10115
Ion Ratio Lower Upper
75 100
77 34.2 25.4 38.0





#49

cis-1,3-Dichloropropene

Concen: 5.346 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

Tgt Ion: 75 Resp: 11200

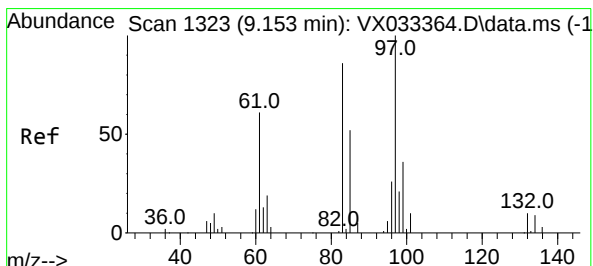
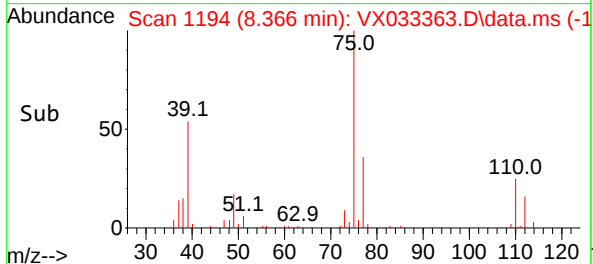
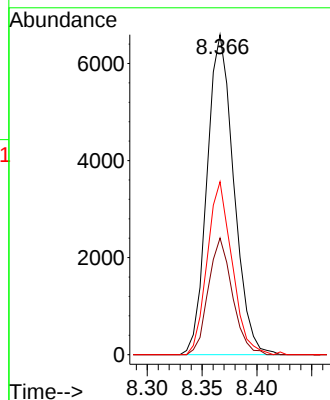
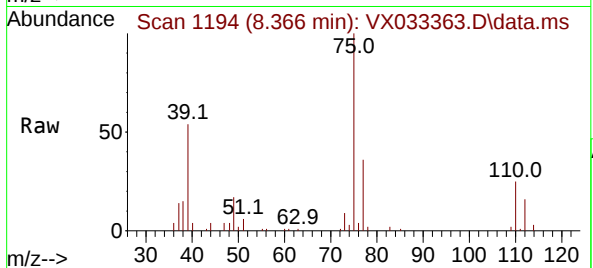
Ion	Ratio	Lower	Upper
75	100		
77	36.5	25.7	38.5
39	54.1	34.1	51.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#50

1,1,2-Trichloroethane

Concen: 5.101 ug/l

RT: 9.153 min Scan# 1323

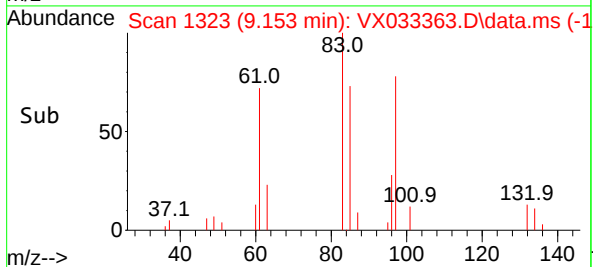
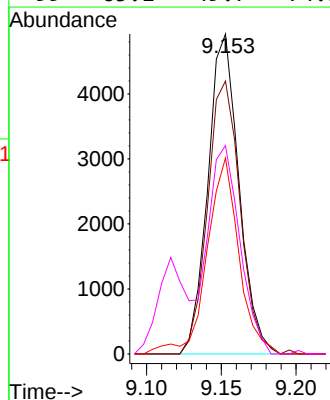
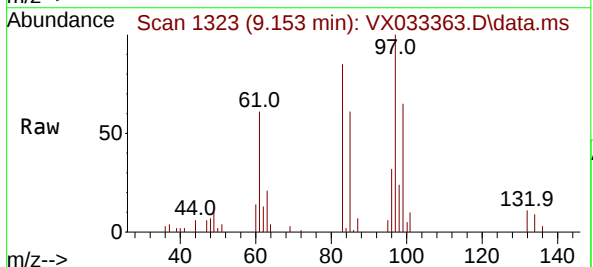
Delta R.T. 0.000 min

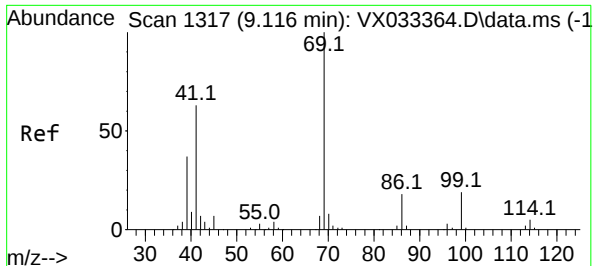
Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Tgt Ion: 97 Resp: 7120

Ion	Ratio	Lower	Upper
97	100		
83	85.3	62.2	93.4
85	61.3	44.2	66.2
99	65.1	49.7	74.5





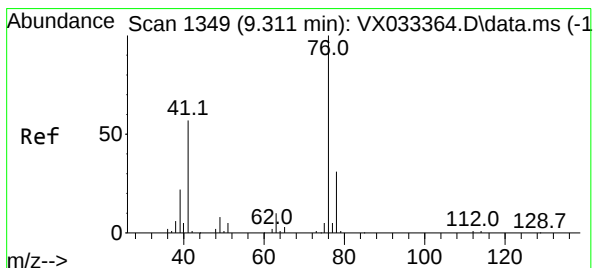
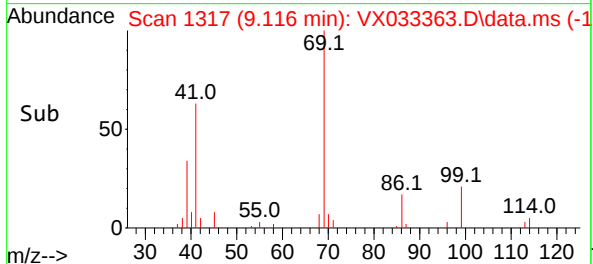
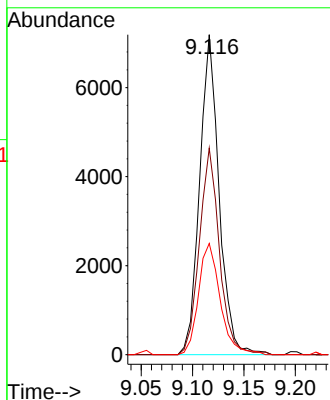
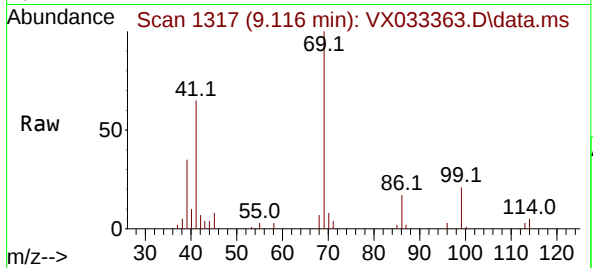
#51
Ethyl methacrylate
Concen: 4.551 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 69 Resp: 948
Ion Ratio Lower Upper
69 100
41 64.6 25.9 77.7
39 34.7 17.8 53.3

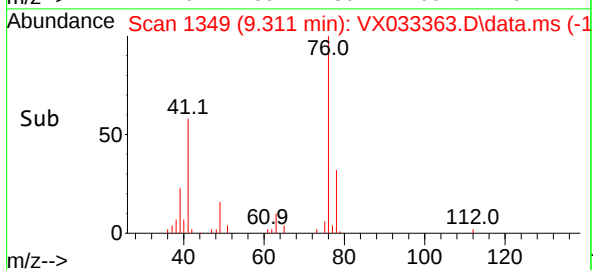
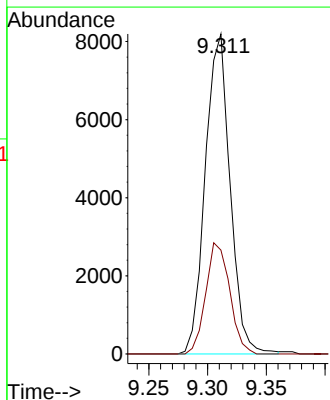
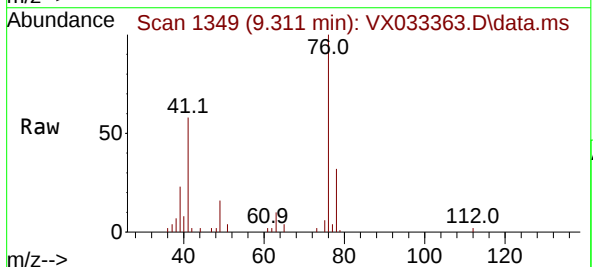
Manual Integrations
APPROVED

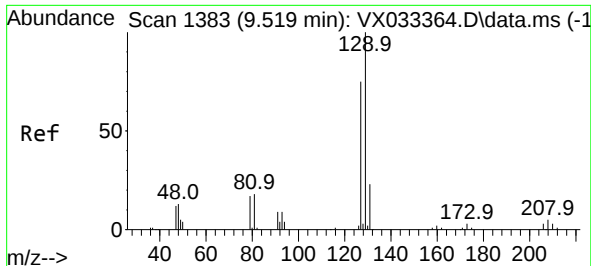
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#52
1,3-Dichloropropane
Concen: 5.277 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

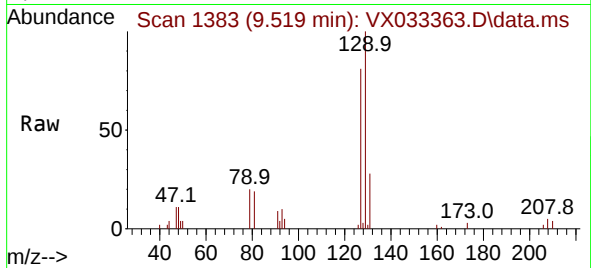
Tgt Ion: 76 Resp: 12043
Ion Ratio Lower Upper
76 100
78 33.5 0.0 66.0





#53
Dibromochloromethane
Concen: 5.800 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. -0.006 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

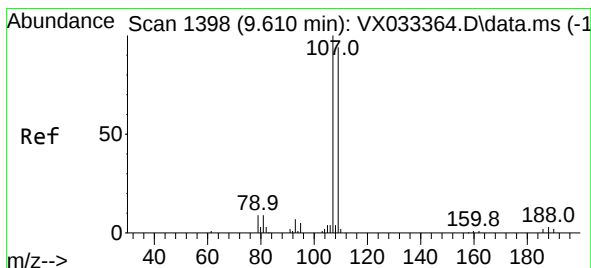
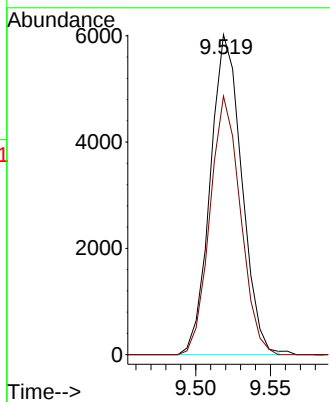
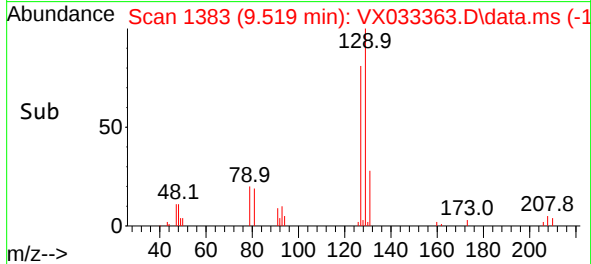
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



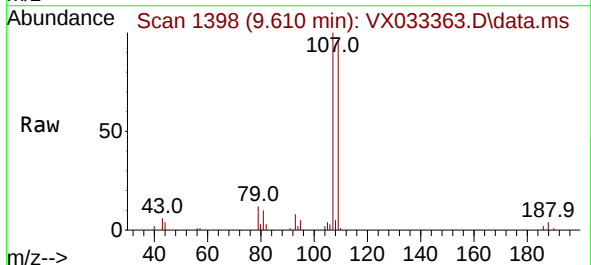
Tgt Ion:129 Resp: 8804
Ion Ratio Lower Upper
129 100
127 78.1 39.0 117.0

Manual Integrations
APPROVED

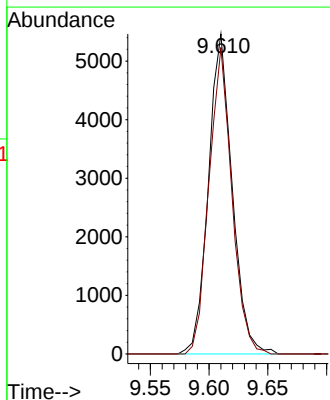
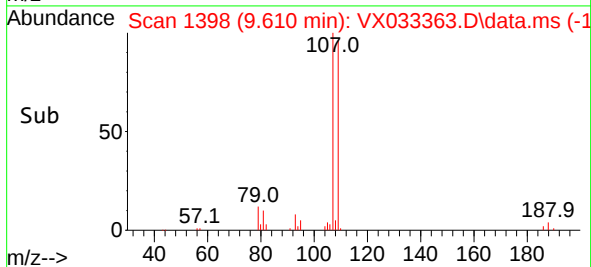
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022

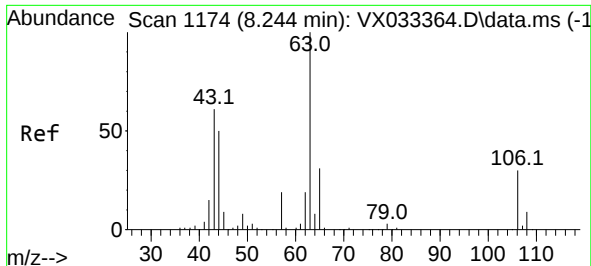


#54
1,2-Dibromoethane
Concen: 5.110 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35



Tgt Ion:107 Resp: 7683
Ion Ratio Lower Upper
107 100
109 92.2 75.0 112.6





#55

2-Chloroethyl vinyl ether

Concen: 25.448 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.006 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

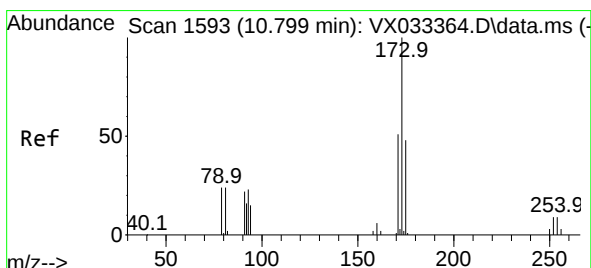
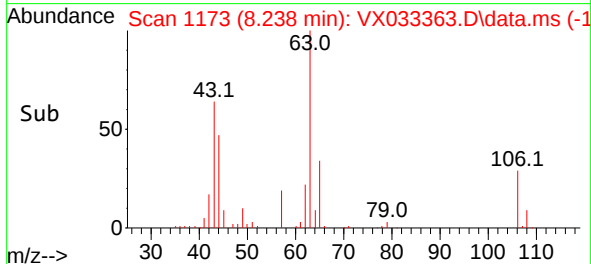
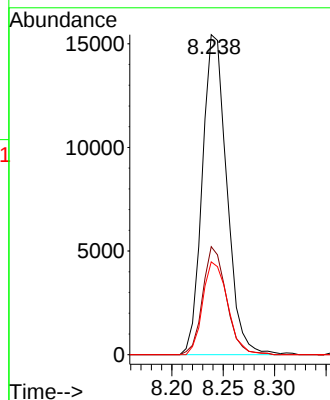
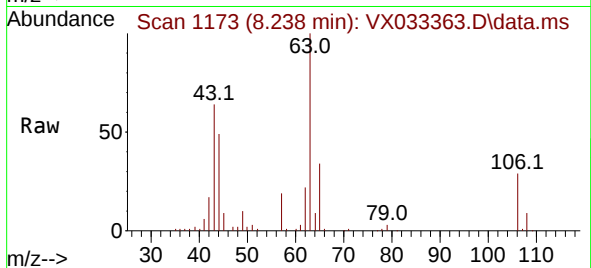
Tgt Ion:	63	Resp:	2563
Ion Ratio	Lower	Upper	
63	100		
65	32.5	25.5	38.3
106	29.5	28.9	43.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#56

Bromoform

Concen: 5.522 ug/l

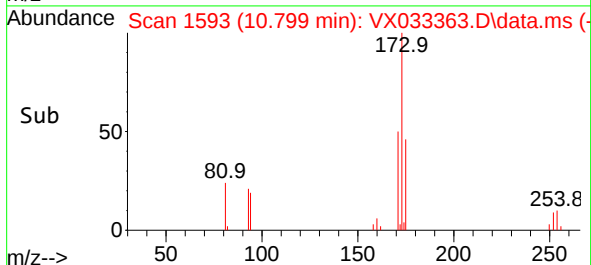
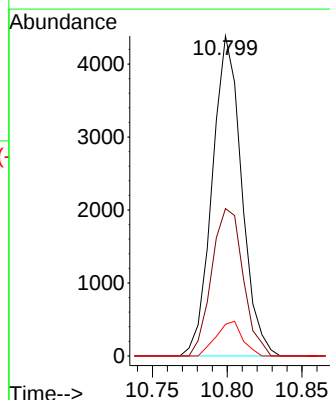
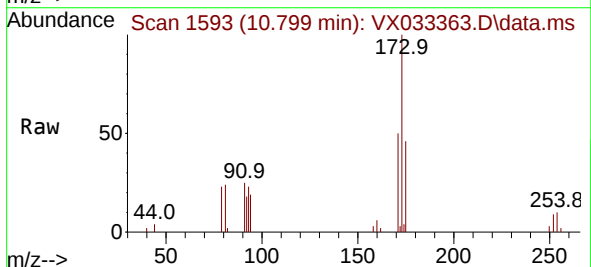
RT: 10.799 min Scan# 1593

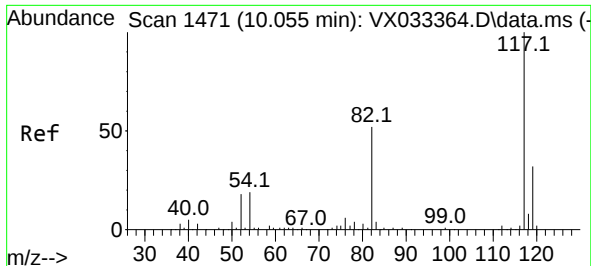
Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Tgt Ion:	173	Resp:	6001
Ion Ratio	Lower	Upper	
173	100		
175	49.2	38.6	58.0
254	9.7	6.8	10.2





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

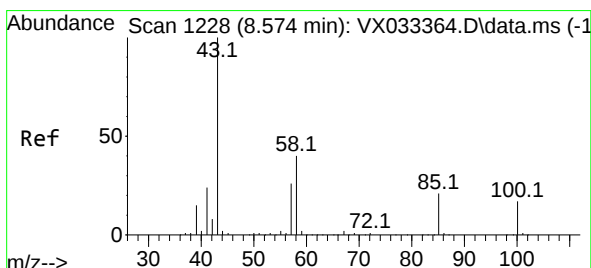
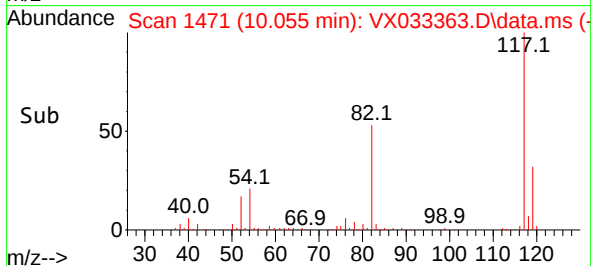
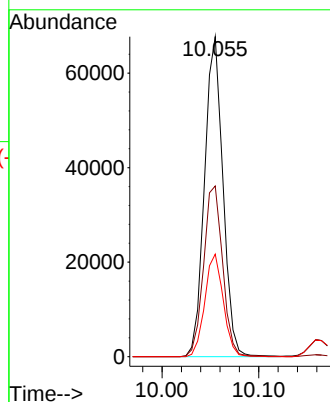
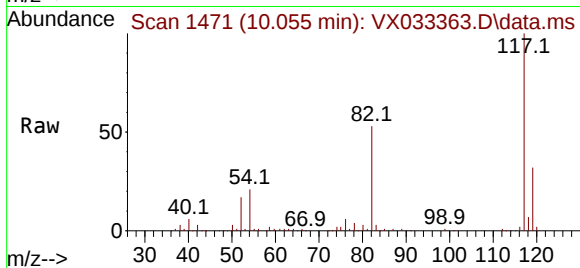
Tgt Ion:	117	Resp:	8993
Ion Ratio	Lower	Upper	
117	100		
82	55.0	40.0	60.0
119	32.1	26.0	39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#58

4-Methyl-2-Pentanone

Concen: 23.801 ug/l

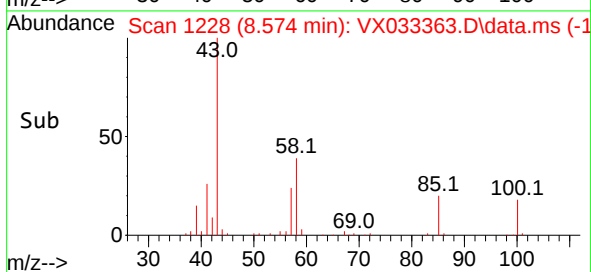
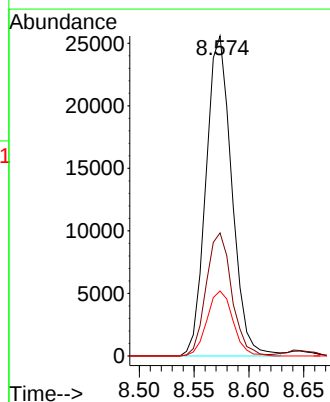
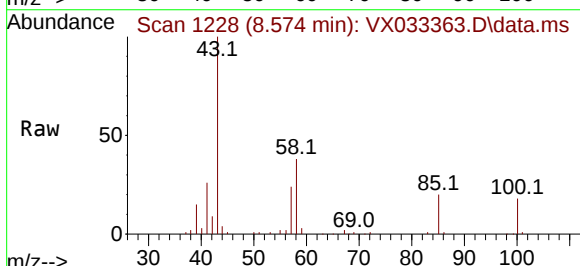
RT: 8.574 min Scan# 1228

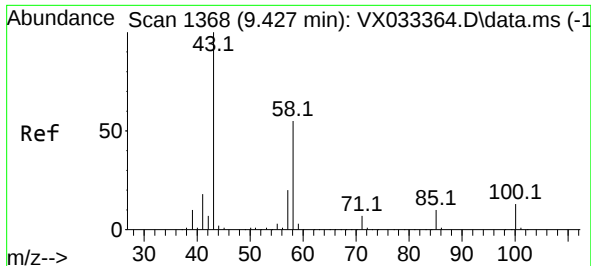
Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Tgt Ion:	43	Resp:	41903
Ion Ratio	Lower	Upper	
43	100		
58	38.2	34.9	52.3
85	20.4	19.4	29.2





#59

2-Hexanone

Concen: 24.016 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 31130

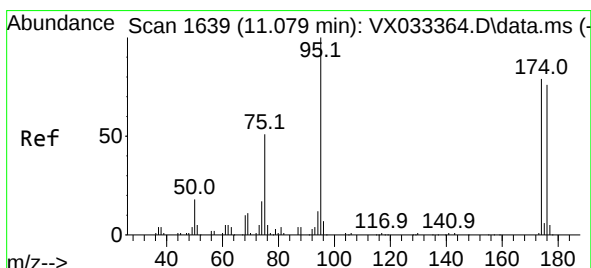
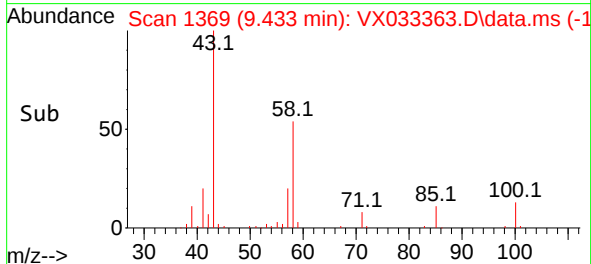
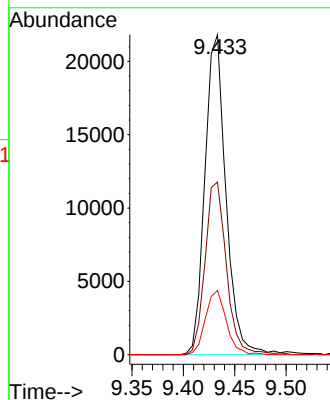
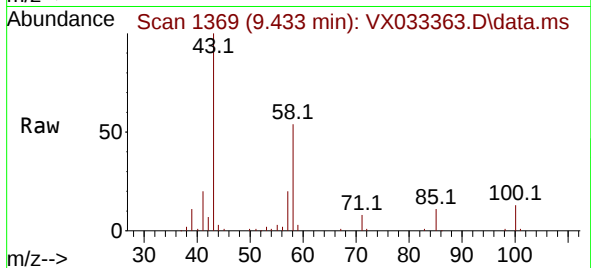
Ion	Ratio	Lower	Upper
43	100		
58	54.6	49.0	73.6
57	19.6	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#60

4-Bromofluorobenzene

Concen: 29.208 ug/l

RT: 11.079 min Scan# 1639

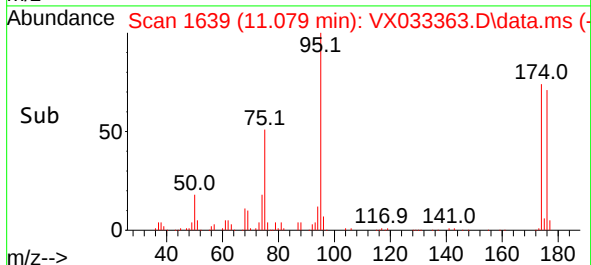
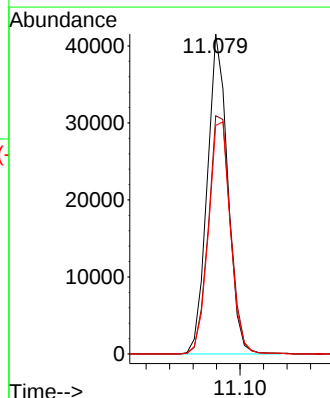
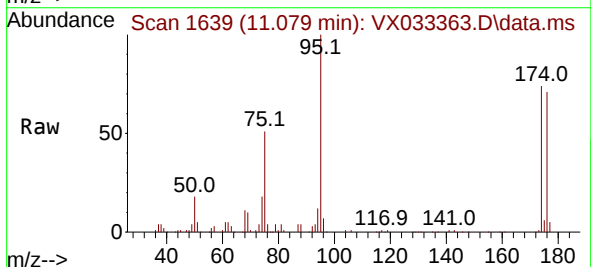
Delta R.T. 0.000 min

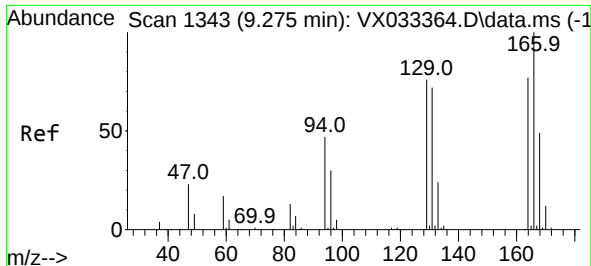
Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Tgt Ion: 95 Resp: 50247

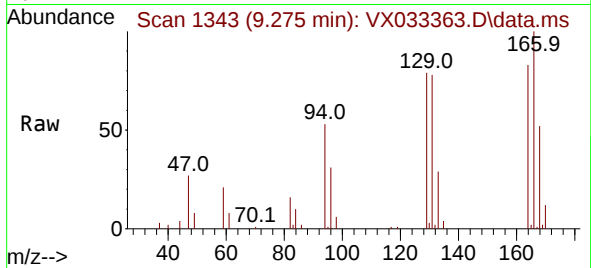
Ion	Ratio	Lower	Upper
95	100		
174	80.8	68.2	102.2
176	77.8	68.1	102.1





#61
Tetrachloroethene
Concen: 5.944 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

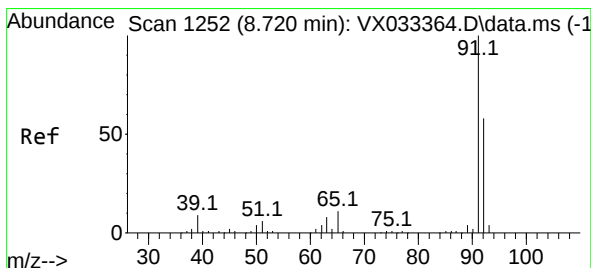
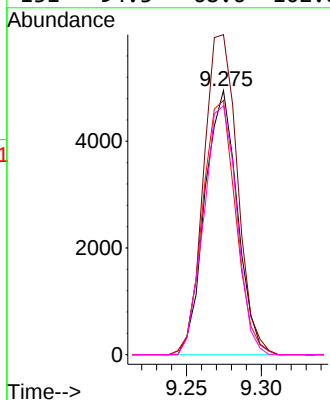
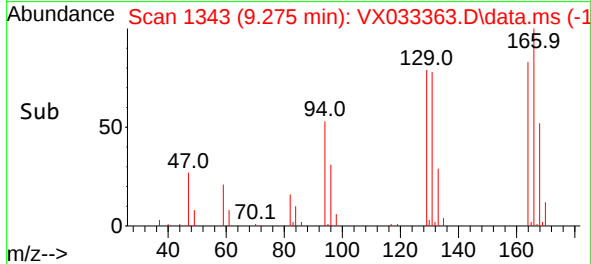
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion:164 Resp: 747
Ion Ratio Lower Upper
164 100
166 121.2 102.8 154.2
129 96.3 73.0 109.4
131 94.3 68.6 102.8

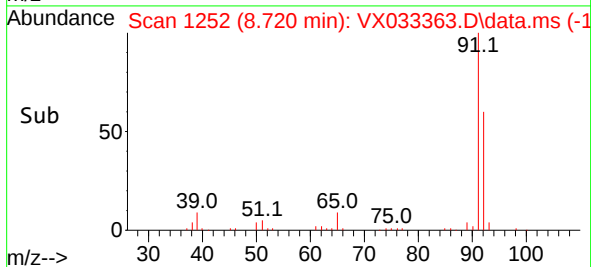
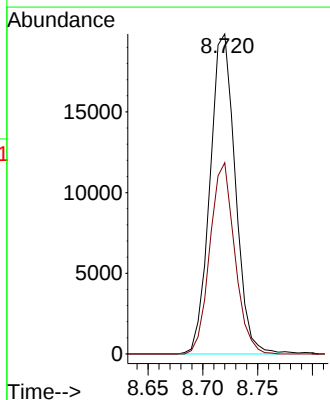
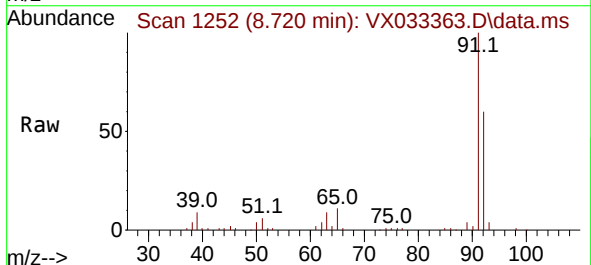
Manual Integrations
APPROVED

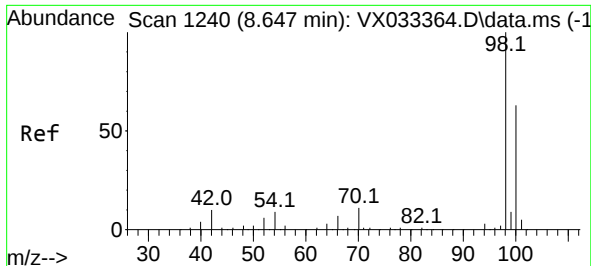
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#62
Toluene
Concen: 5.448 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

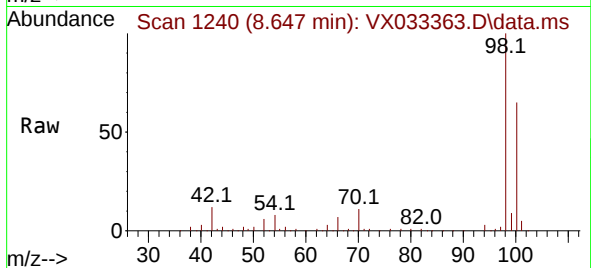
Tgt Ion: 91 Resp: 31863
Ion Ratio Lower Upper
91 100
92 58.5 47.3 70.9





#63
Toluene-d8
Concen: 30.198 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

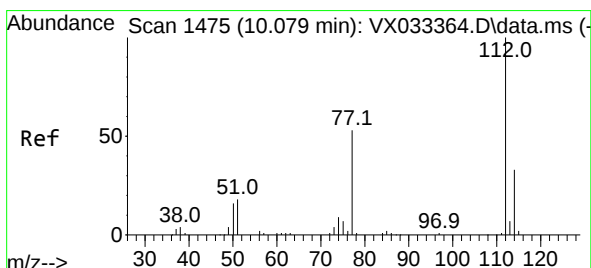
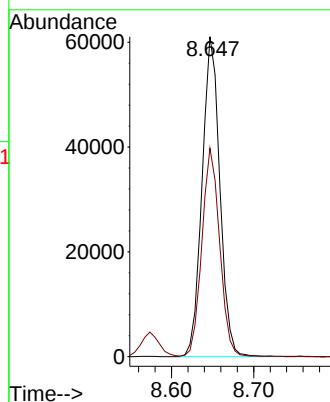
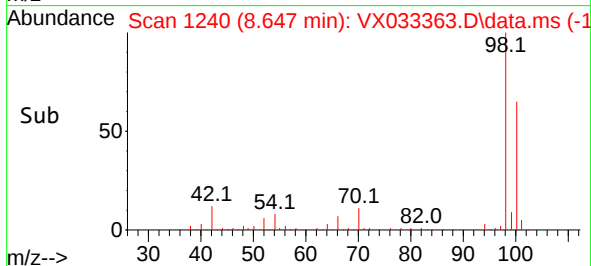
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



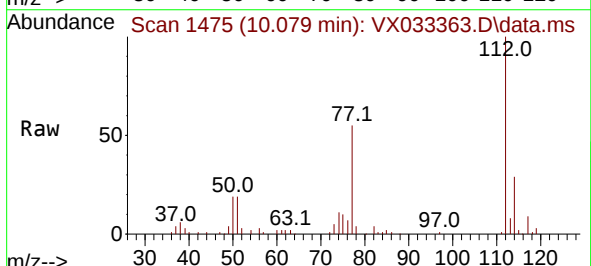
Tgt Ion: 98 Resp: 91654
Ion Ratio Lower Upper
98 100
100 65.2 53.8 80.8

Manual Integrations
APPROVED

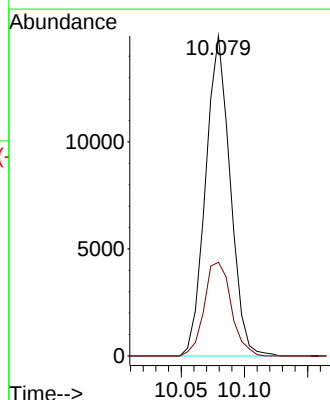
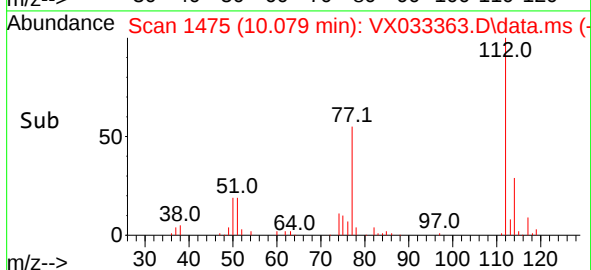
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022

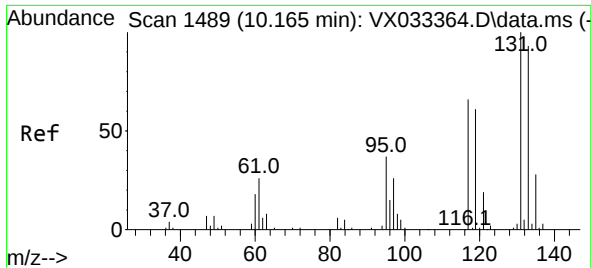


#64
Chlorobenzene
Concen: 5.600 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35



Tgt Ion:112 Resp: 20249
Ion Ratio Lower Upper
112 100
114 29.3 25.7 38.5





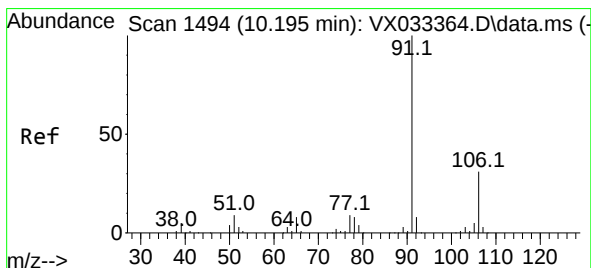
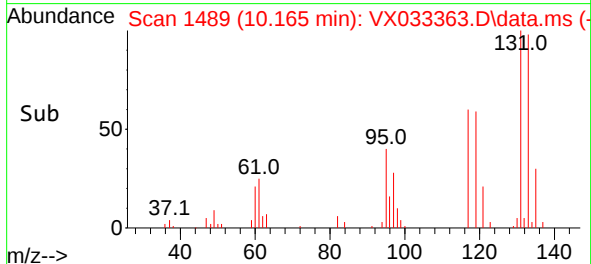
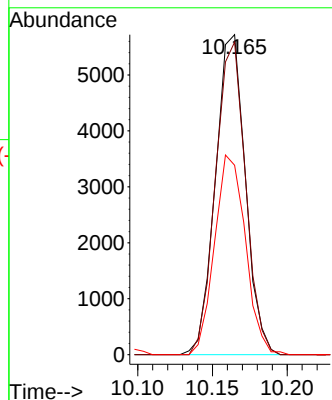
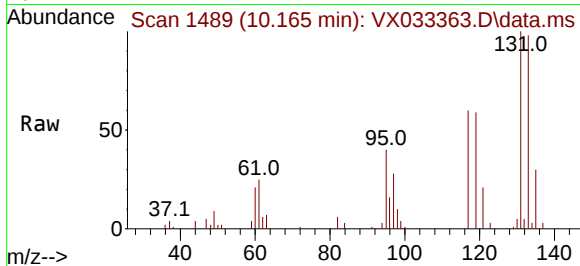
#65
1,1,1,2-Tetrachloroethane
Concen: 5.791 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:131 Resp: 797
Ion Ratio Lower Upper
131 100
133 97.8 0.0 189.4
119 64.2 0.0 127.0

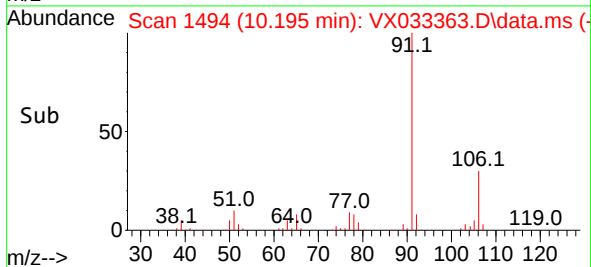
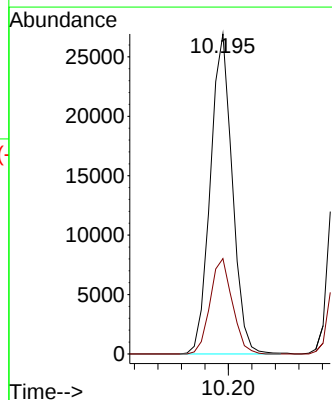
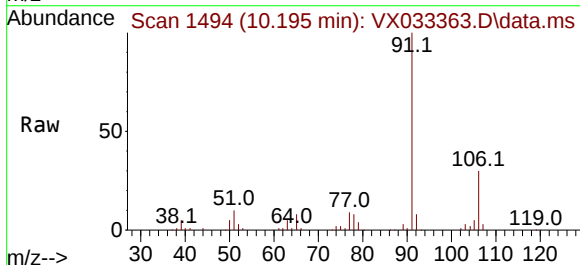
Manual Integrations
APPROVED

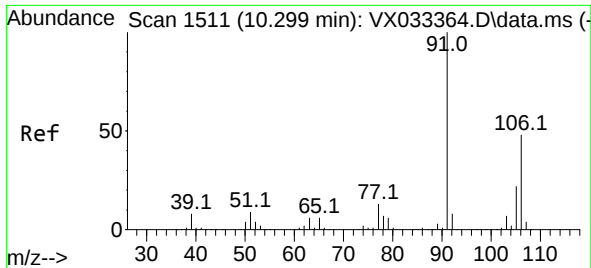
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#66
Ethyl Benzene
Concen: 5.325 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Tgt Ion: 91 Resp: 34942
Ion Ratio Lower Upper
91 100
106 29.8 26.7 40.1





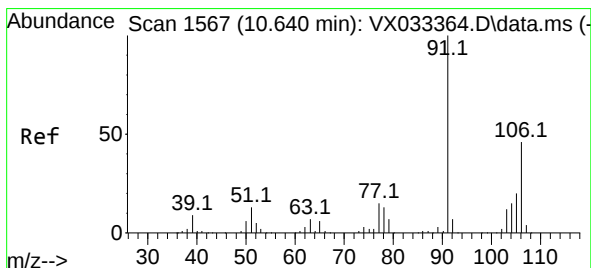
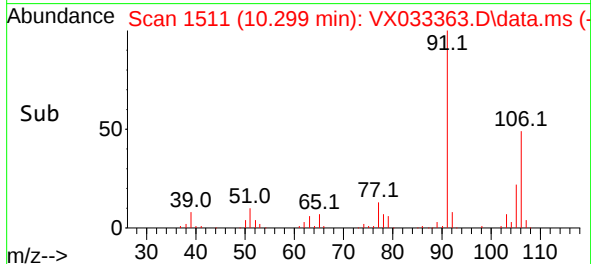
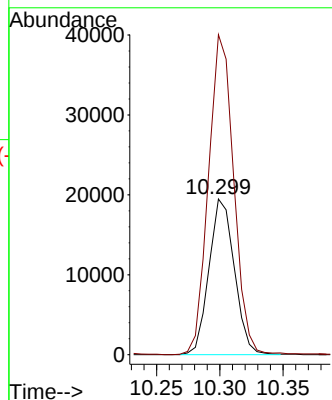
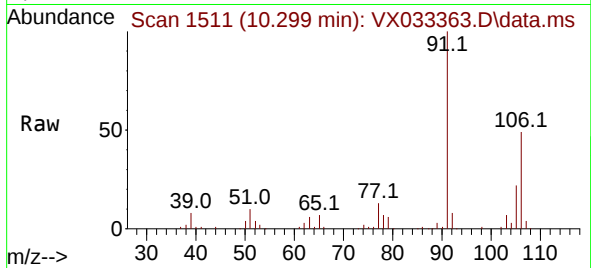
#67
m/p-Xylenes
Concen: 10.652 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 27194
Ion Ratio Lower Upper
106 100
91 205.2 152.3 228.5

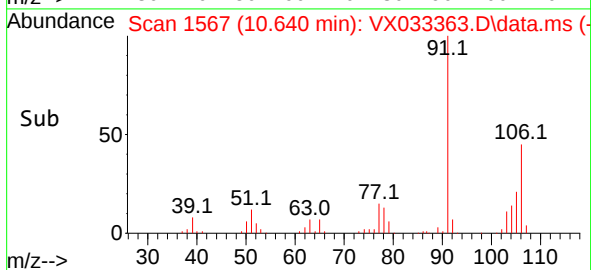
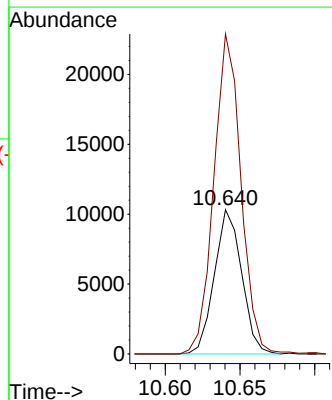
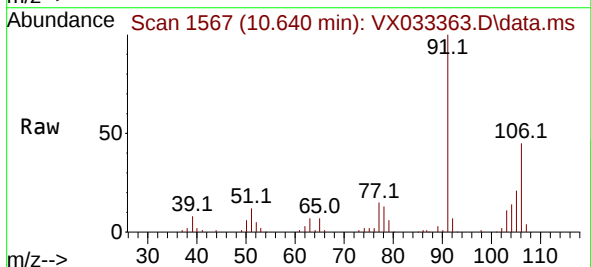
Manual Integrations
APPROVED

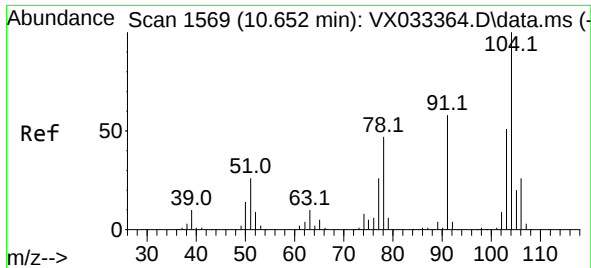
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#68
o-Xylene
Concen: 5.222 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Tgt Ion:106 Resp: 13081
Ion Ratio Lower Upper
106 100
91 220.7 101.9 305.7





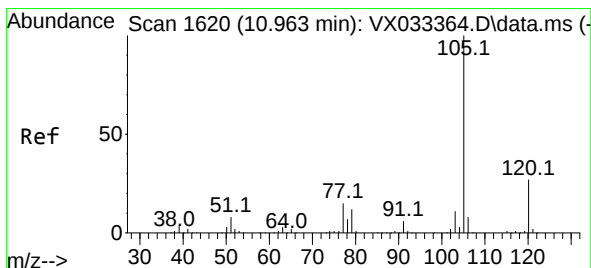
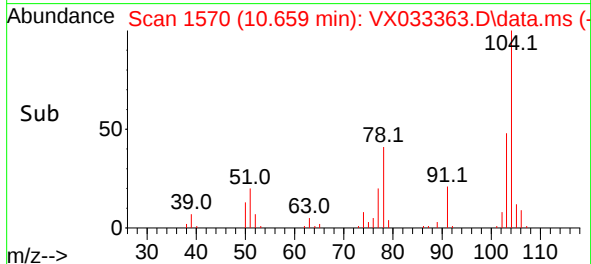
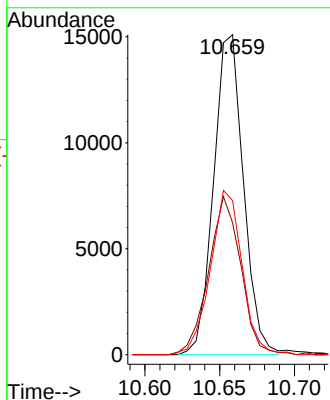
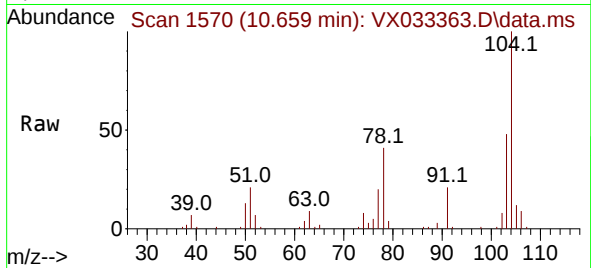
#69
Styrene
Concen: 5.033 ug/l
RT: 10.659 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:104 Resp: 2095
Ion Ratio Lower Upper
104 100
78 53.2 36.6 55.0
103 54.5 43.3 64.9

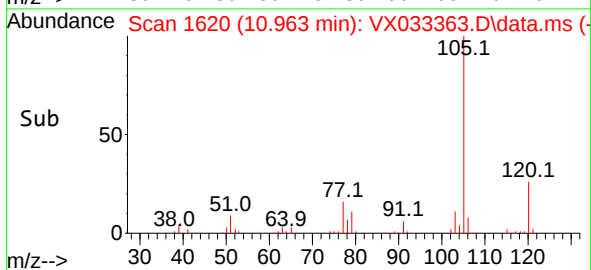
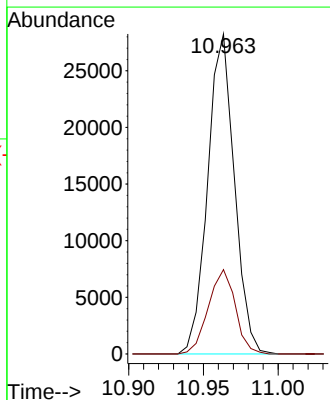
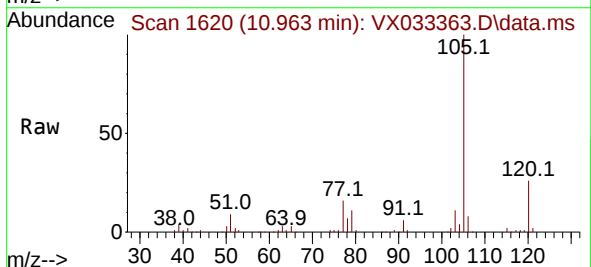
Manual Integrations
APPROVED

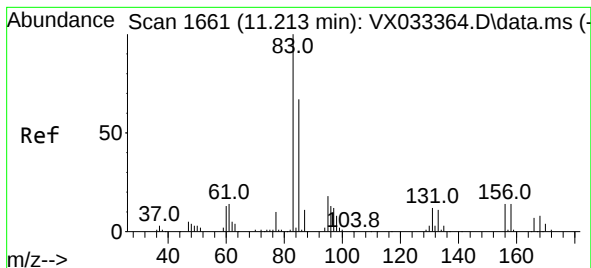
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#70
Isopropylbenzene
Concen: 5.256 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Tgt Ion:105 Resp: 35158
Ion Ratio Lower Upper
105 100
120 26.6 19.3 35.9





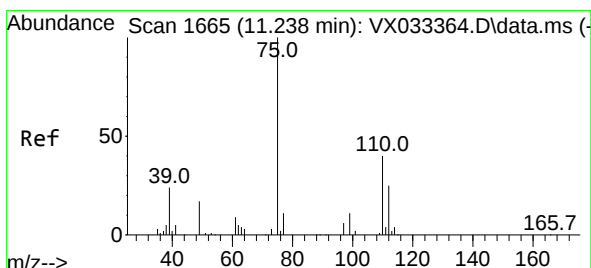
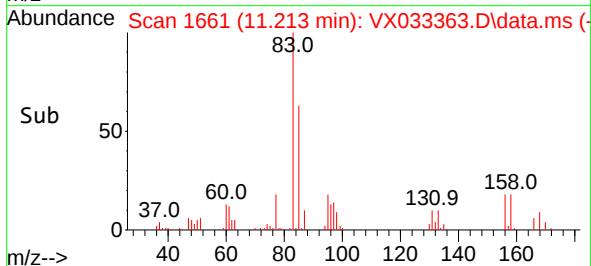
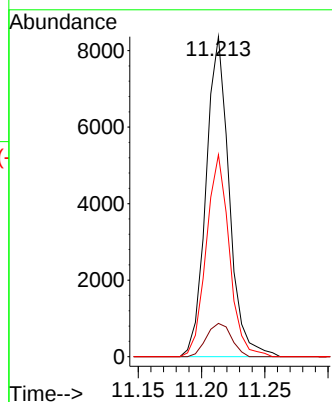
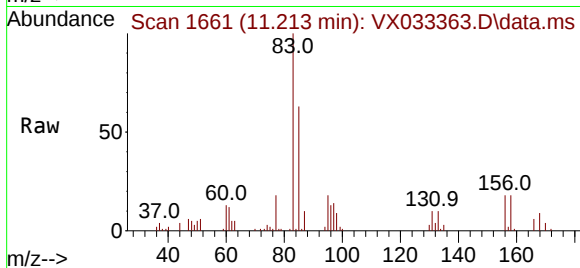
#71
1,1,2,2-Tetrachloroethane
Concen: 5.260 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 1067
Ion Ratio Lower Upper
83 100
131 11.2 6.0 18.1
85 62.8 32.8 98.3

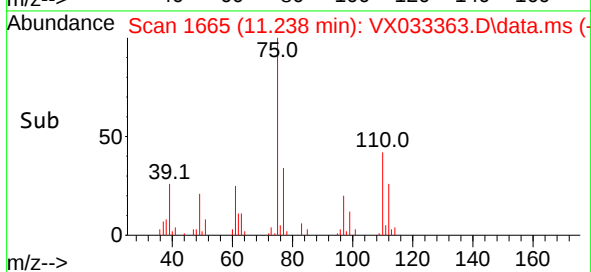
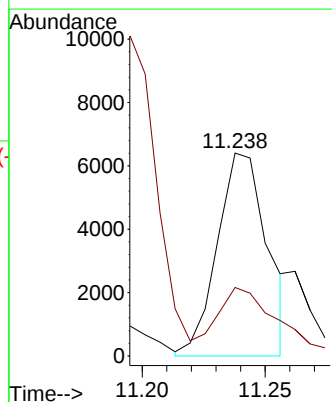
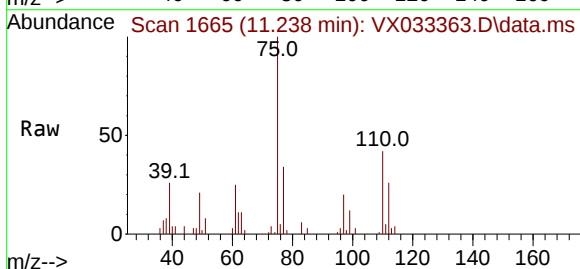
Manual Integrations
APPROVED

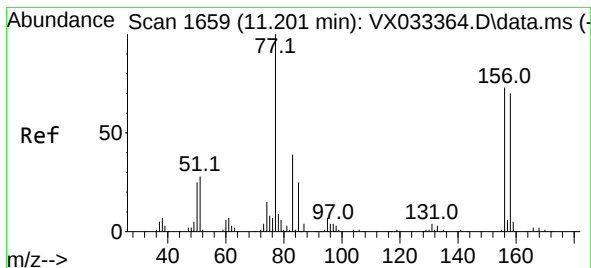
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#72
1,2,3-Trichloropropane
Concen: 5.141 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Tgt Ion: 75 Resp: 9058
Ion Ratio Lower Upper
75 100
77 41.8 0.0 76.6





#73

Bromobenzene

Concen: 5.418 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC005

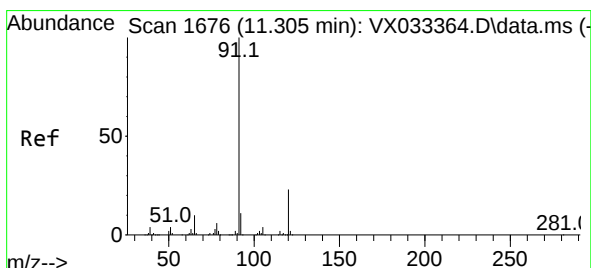
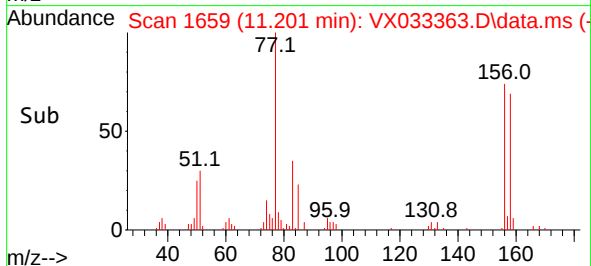
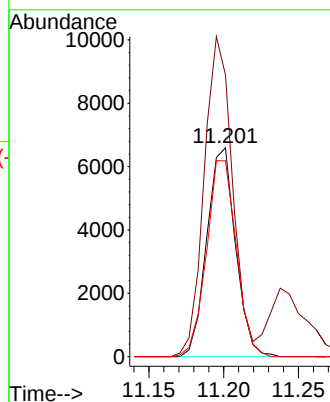
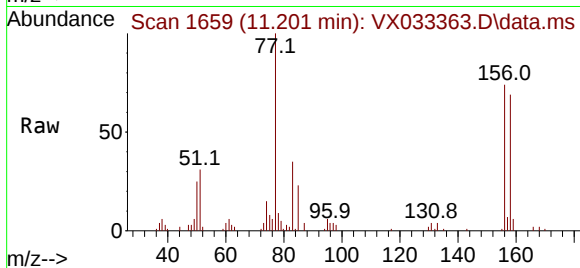
Tgt Ion:	156	Resp:	8804
Ion Ratio	Lower	Upper	
156	100		
77	150.7	0.0	259.2
158	97.7	0.0	193.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#74

n-propylbenzene

Concen: 5.264 ug/l

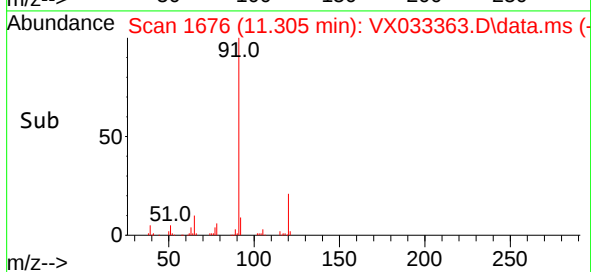
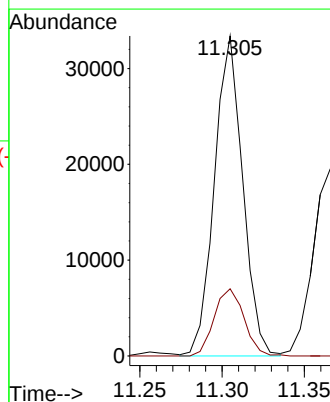
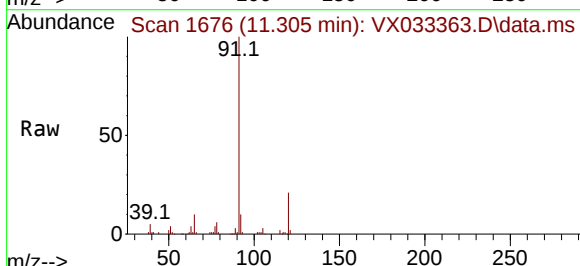
RT: 11.305 min Scan# 1676

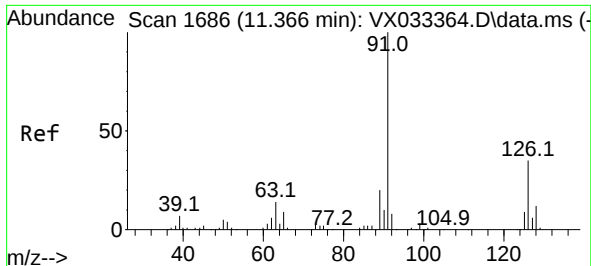
Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Tgt Ion:	91	Resp:	40009
Ion Ratio	Lower	Upper	
91	100		
120	22.1	0.0	51.0





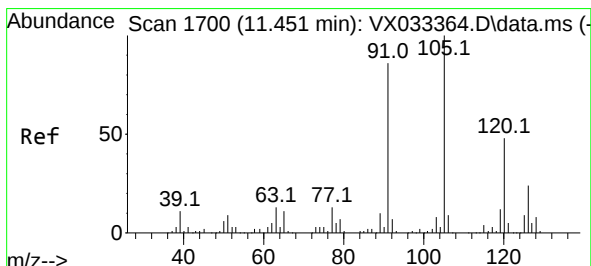
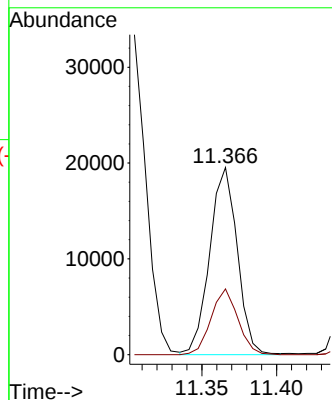
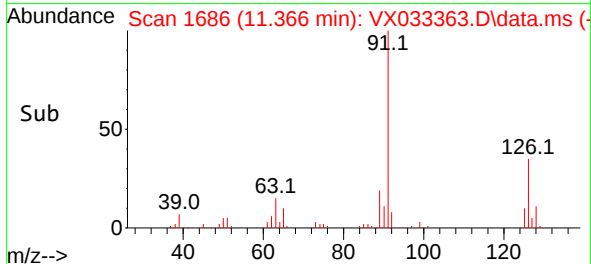
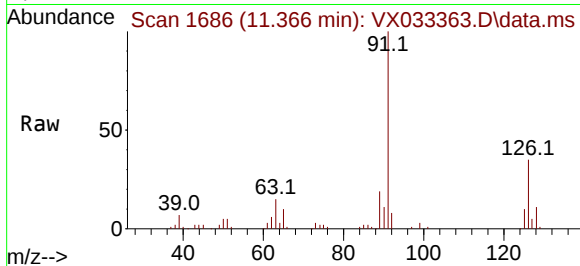
#75
2-Chlorotoluene
Concen: 5.452 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 25089
Ion Ratio Lower Upper
91 100
126 34.1 0.0 76.4

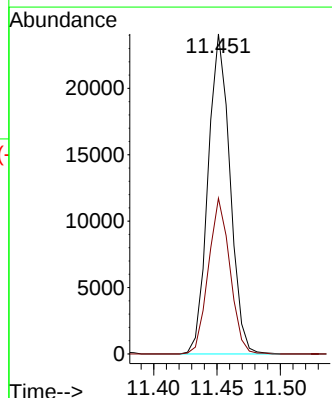
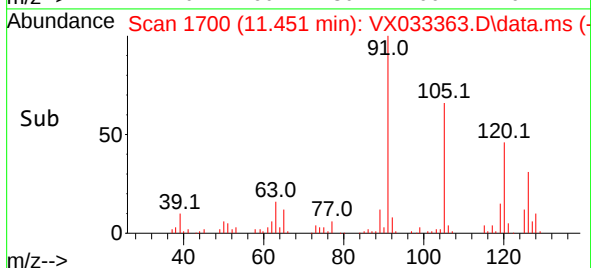
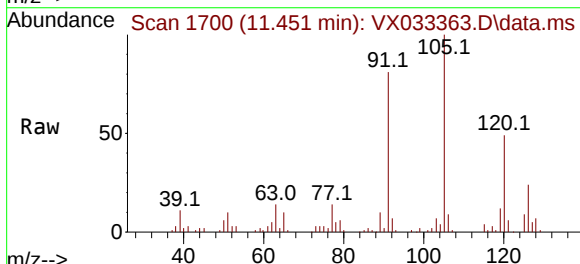
Manual Integrations
APPROVED

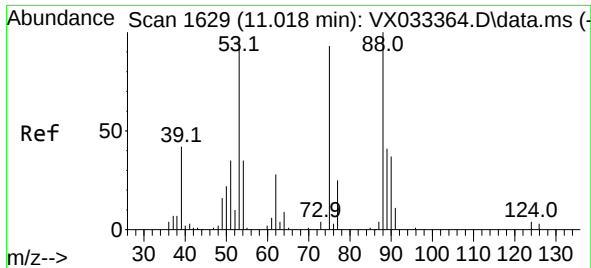
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#76
1,3,5-Trimethylbenzene
Concen: 5.137 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

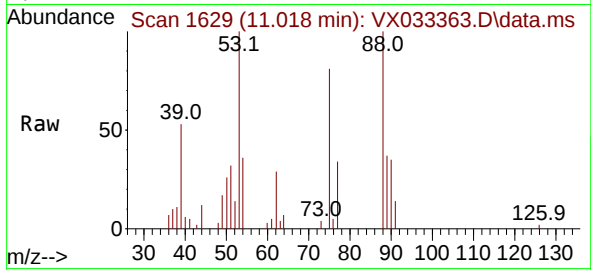
Tgt Ion:105 Resp: 29051
Ion Ratio Lower Upper
105 100
120 47.8 0.0 100.6





#77
t-1,4-Dichloro-2-butene
Concen: 4.960 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

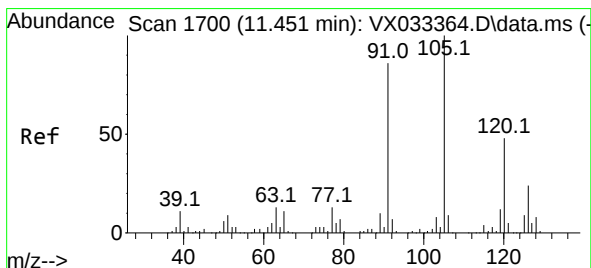
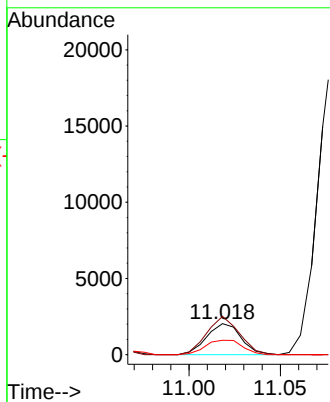
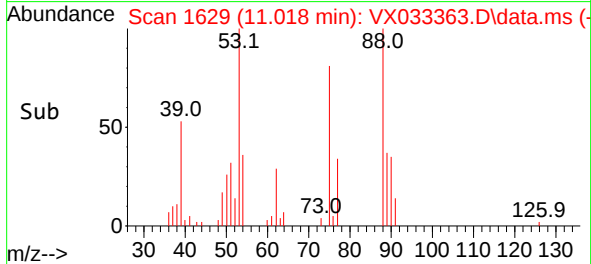
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 75 Resp: 266
Ion Ratio Lower Upper
75 100
53 122.7 51.8 155.4
89 46.1 22.9 68.8

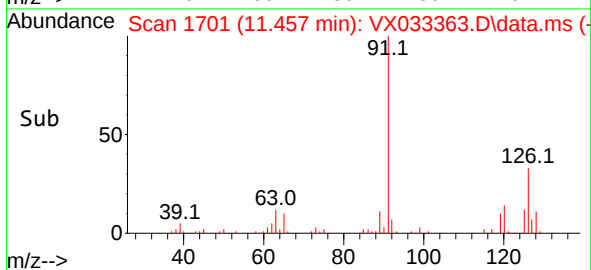
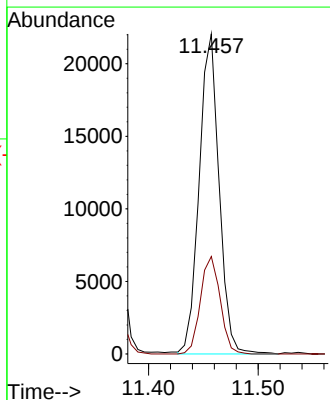
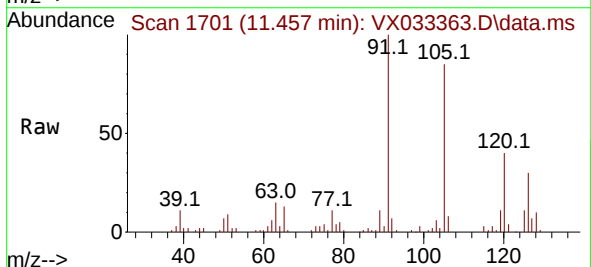
Manual Integrations
APPROVED

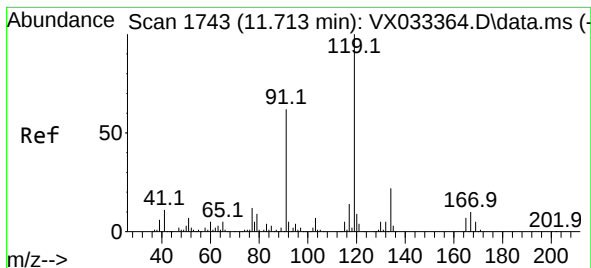
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#78
4-Chlorotoluene
Concen: 5.251 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Tgt Ion: 91 Resp: 27835
Ion Ratio Lower Upper
91 100
126 30.1 0.0 67.0





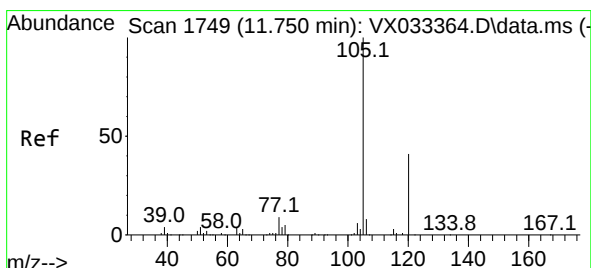
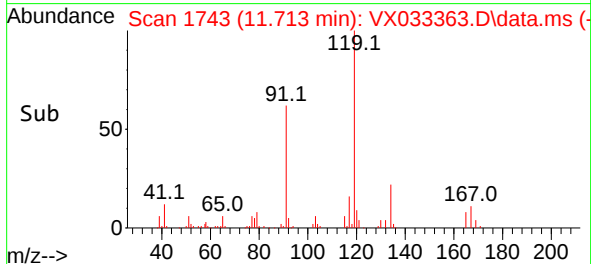
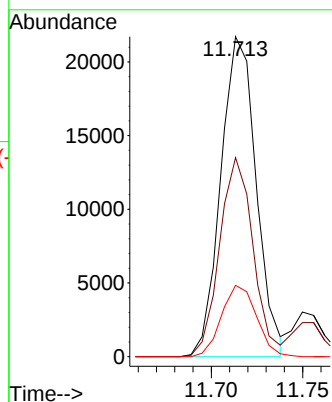
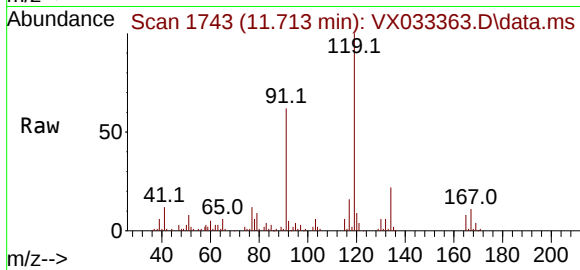
#79
tert-butylbenzene
Concen: 5.331 ug/l
RT: 11.713 min Scan# 1743
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 2929
Ion Ratio Lower Upper
119 100
91 59.0 0.0 112.0
134 22.0 0.0 51.0

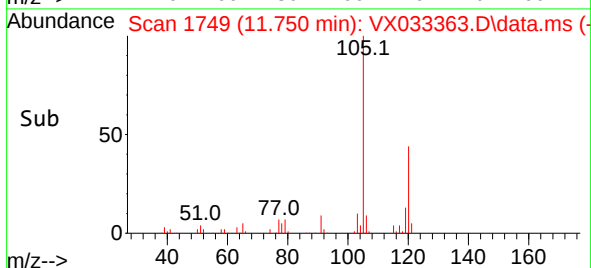
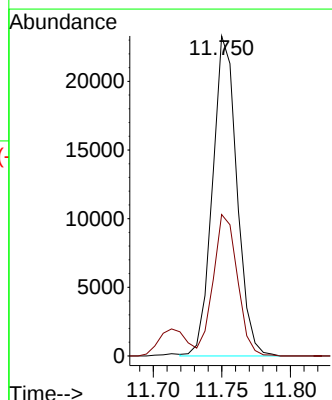
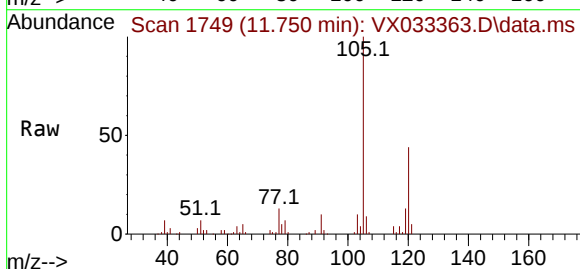
Manual Integrations
APPROVED

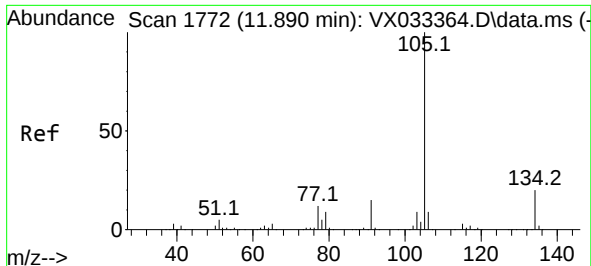
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#80
1,2,4-Trimethylbenzene
Concen: 5.213 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Tgt Ion:105 Resp: 28826
Ion Ratio Lower Upper
105 100
120 43.8 0.0 95.0





#81
 sec-Butylbenzene
 Concen: 5.267 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX033363.D
 Acq: 12 Dec 2022 10:35

Instrument :

MSVOA_X

ClientSampleId :

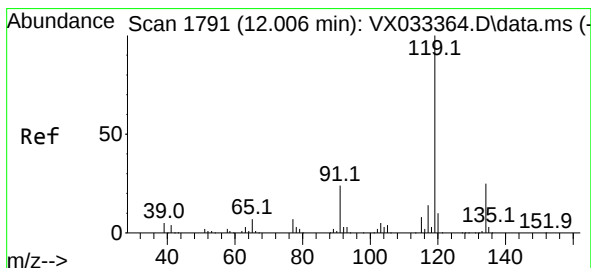
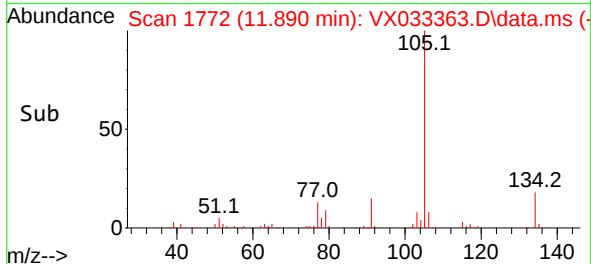
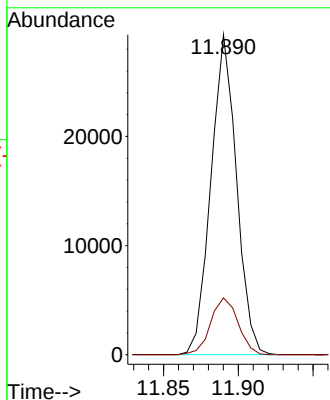
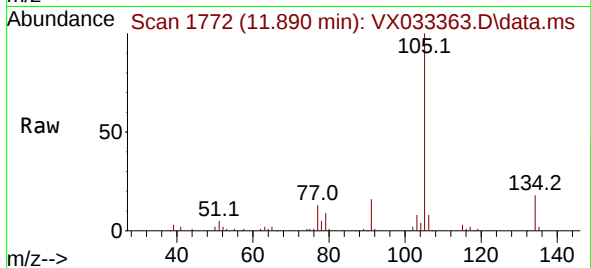
VSTDIC005

Tgt Ion:105 Resp: 34850
 Ion Ratio Lower Upper
 105 100
 134 19.1 0.0 44.4

Manual Integrations

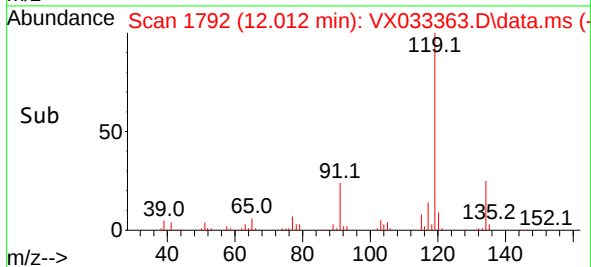
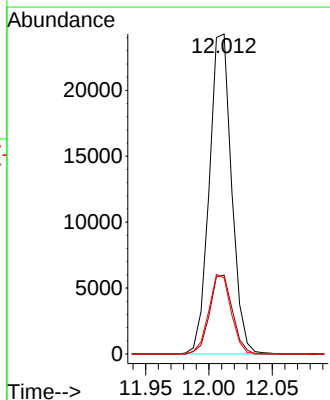
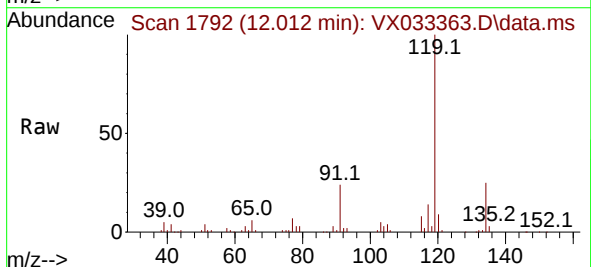
APPROVED

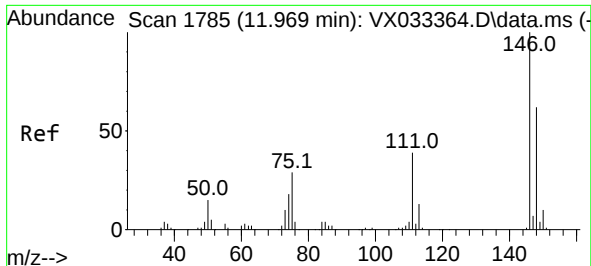
Reviewed By :John Carlone 12/13/2022
 Supervised By :Mahesh Dadoda 12/13/2022



#82
 p-Isopropyltoluene
 Concen: 5.338 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX033363.D
 Acq: 12 Dec 2022 10:35

Tgt Ion:119 Resp: 29762
 Ion Ratio Lower Upper
 119 100
 134 25.0 0.0 55.4
 91 24.8 0.0 45.6





#83

1,3-Dichlorobenzene

Concen: 5.292 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC005

Tgt Ion:146 Resp: 15779

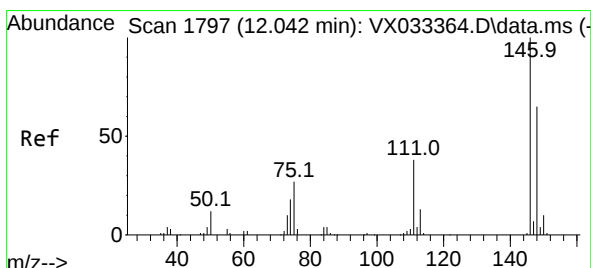
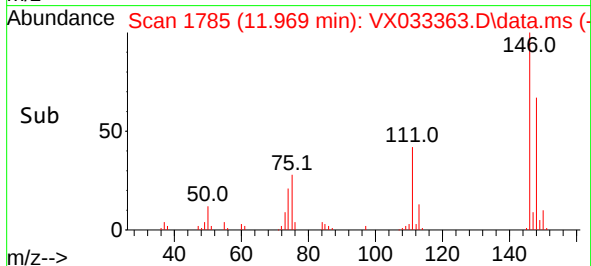
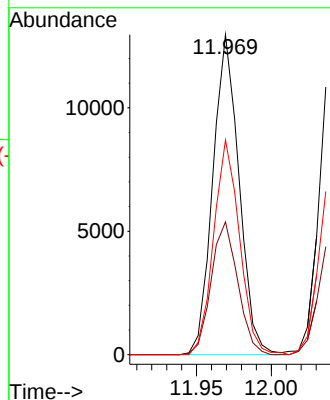
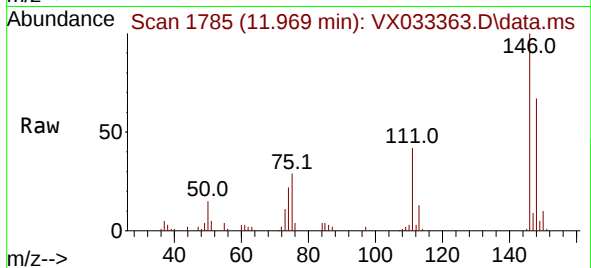
Ion	Ratio	Lower	Upper
146	100		
111	42.2	19.4	58.1
148	66.4	32.6	97.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/13/2022

Supervised By :Mahesh Dadoda 12/13/2022



#84

1,4-Dichlorobenzene

Concen: 5.480 ug/l

RT: 12.042 min Scan# 1797

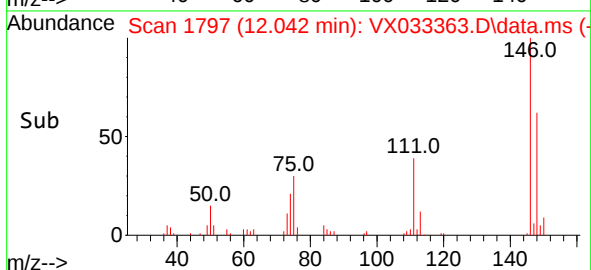
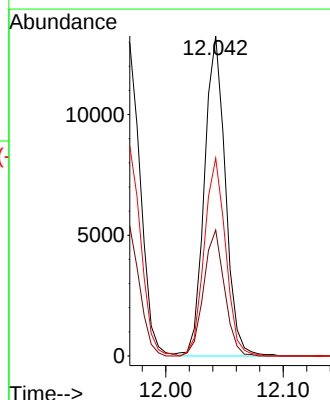
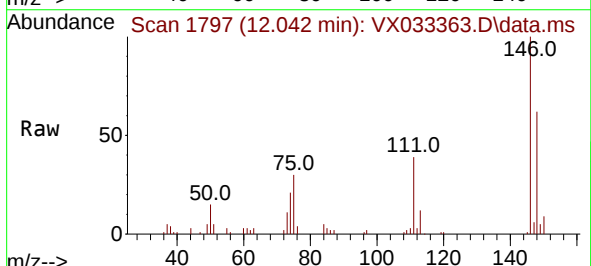
Delta R.T. 0.000 min

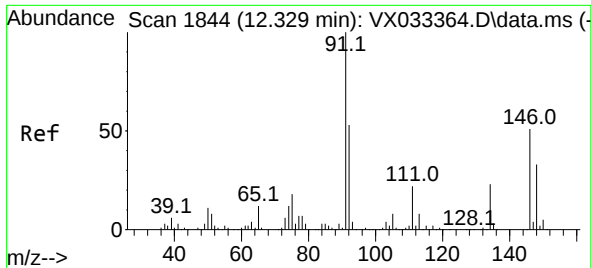
Lab File: VX033363.D

Acq: 12 Dec 2022 10:35

Tgt Ion:146 Resp: 16407

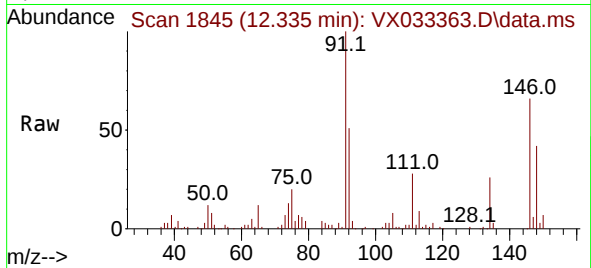
Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.9	56.5
148	63.1	31.6	95.0





#85
n-Butylbenzene
Concen: 5.095 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

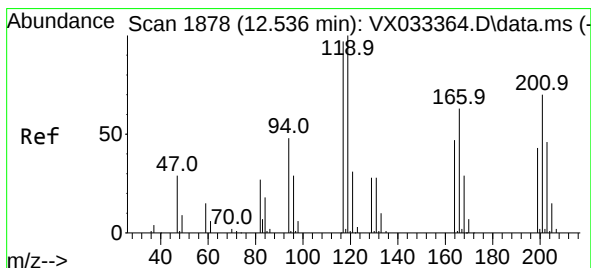
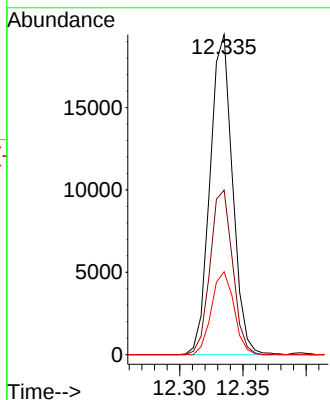
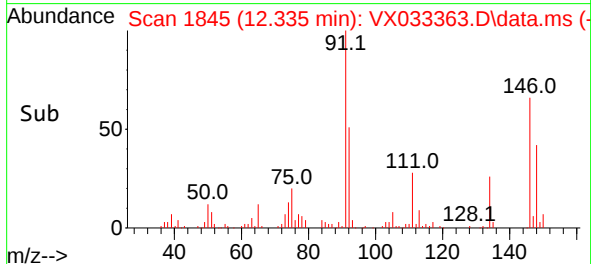
Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005



Tgt Ion: 91 Resp: 24079
Ion Ratio Lower Upper
91 100
92 51.3 0.0 108.4
134 25.8 0.0 60.6

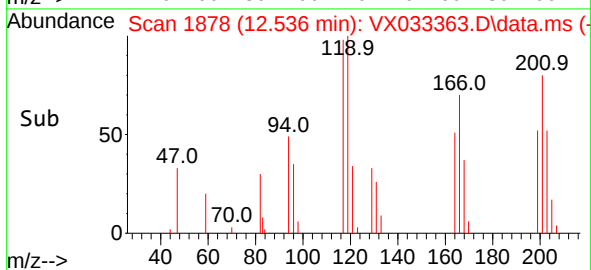
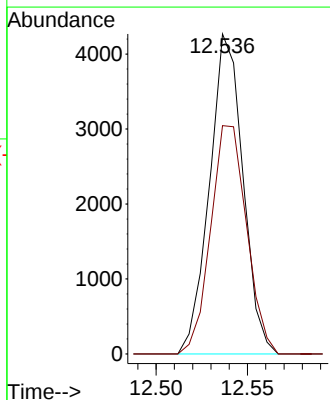
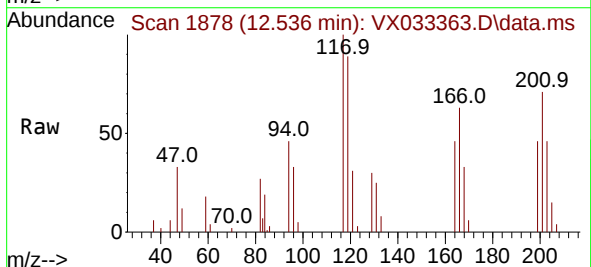
Manual Integrations
APPROVED

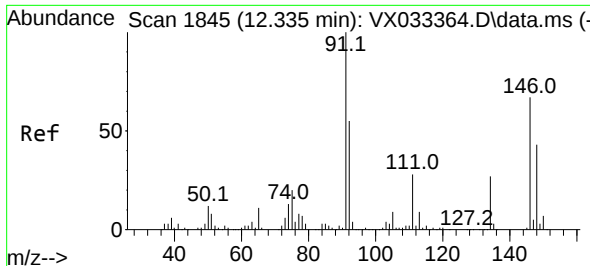
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#86
Hexachloroethane
Concen: 5.933 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

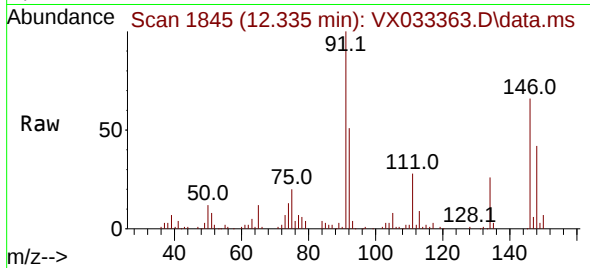
Tgt Ion:117 Resp: 5431
Ion Ratio Lower Upper
117 100
201 76.8 37.7 113.1





#87
1,2-Dichlorobenzene
Concen: 5.389 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

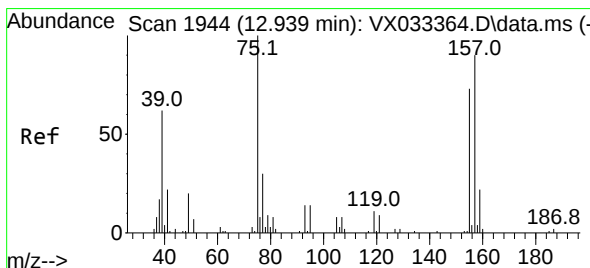
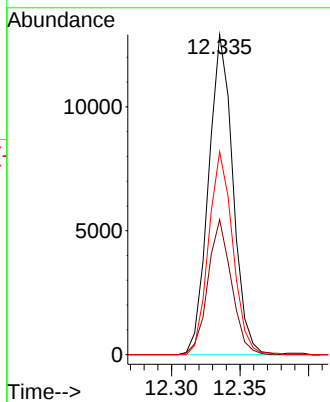
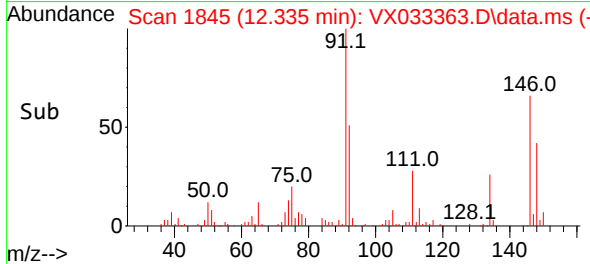
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



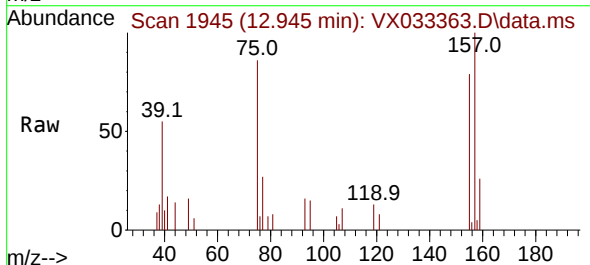
Tgt Ion:146 Resp: 15974
Ion Ratio Lower Upper
146 100
111 40.7 20.0 60.0
148 62.7 33.0 99.0

Manual Integrations
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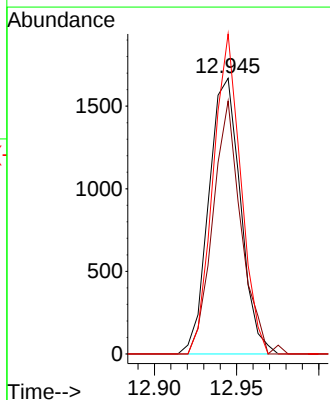
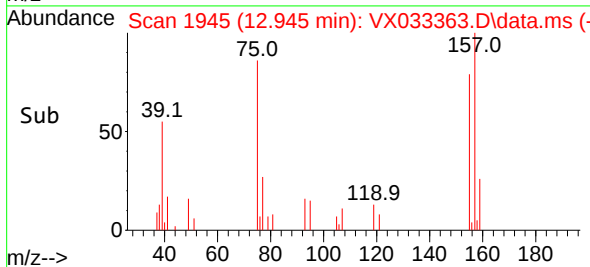
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022

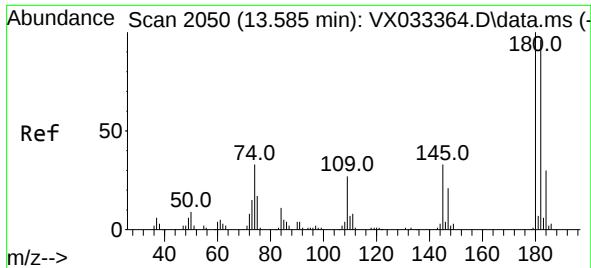


#88
1,2-Dibromo-3-Chloropropane
Concen: 5.209 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35



Tgt Ion: 75 Resp: 2242
Ion Ratio Lower Upper
75 100
155 80.9 85.0 127.6#
157 101.5 101.0 151.6





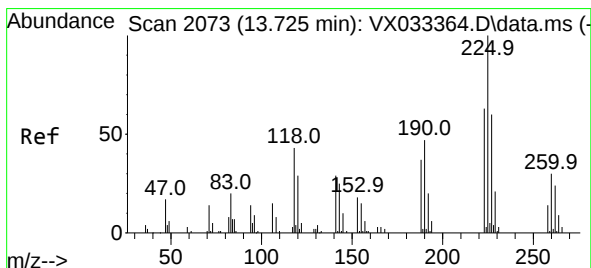
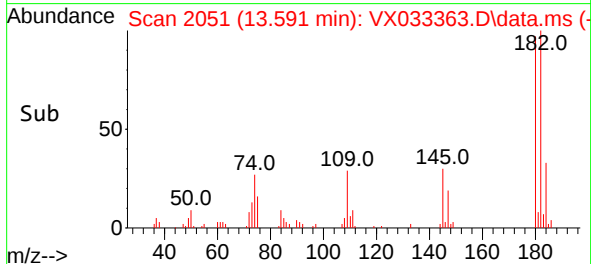
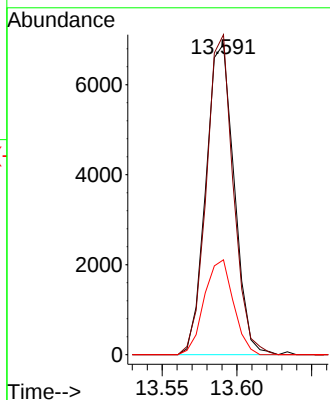
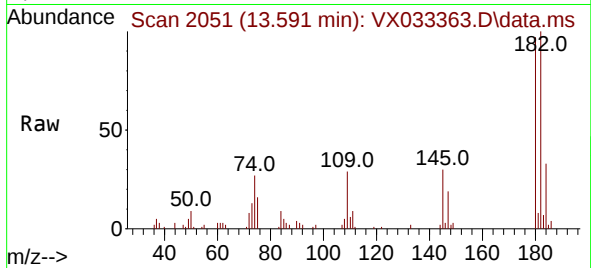
#89
1,2,4-Trichlorobenzene
Concen: 4.978 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC005

Tgt Ion:180 Resp: 906
Ion Ratio Lower Upper
180 100
182 98.2 75.3 112.9
145 31.5 25.9 38.9

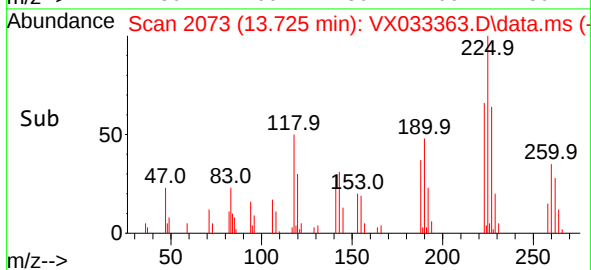
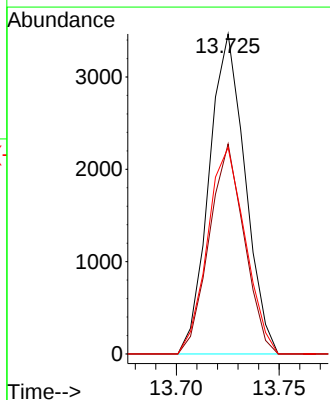
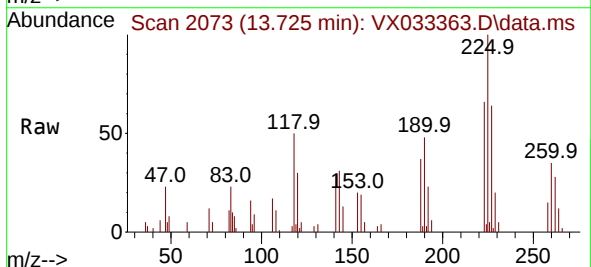
Manual Integrations
APPROVED

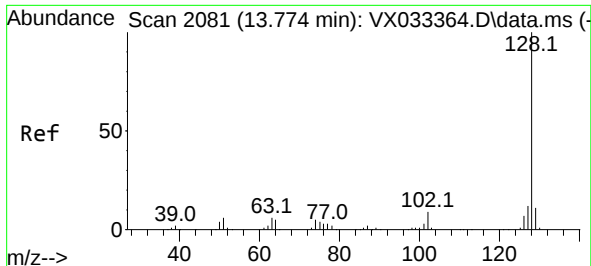
Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#90
Hexachlorobutadiene
Concen: 5.774 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

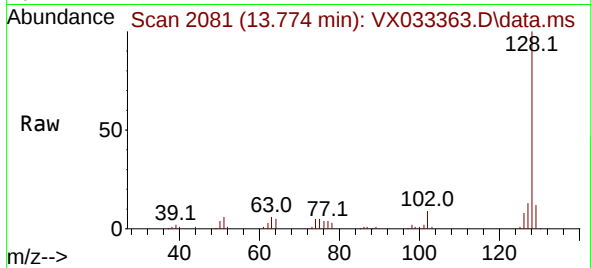
Tgt Ion:225 Resp: 4230
Ion Ratio Lower Upper
225 100
223 63.6 0.0 126.0
227 67.5 0.0 127.6





#91
Naphthalene
Concen: 4.631 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

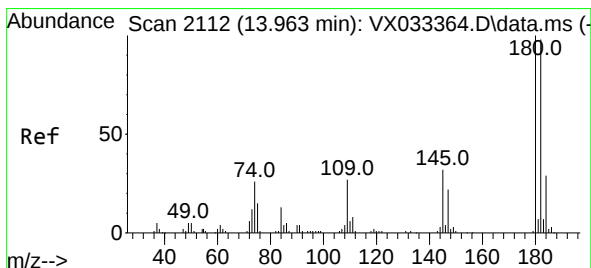
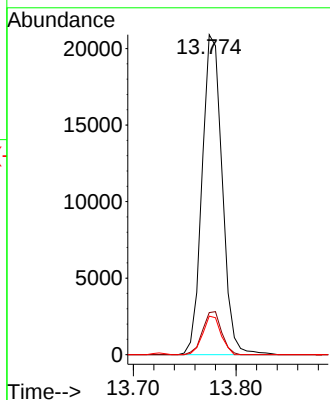
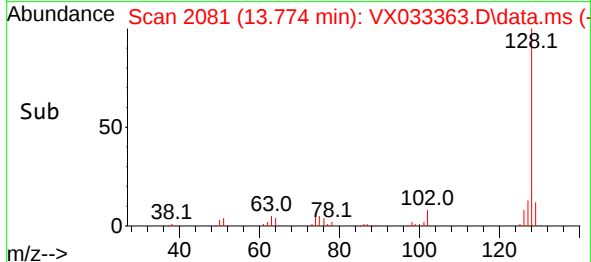
Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005



Tgt Ion:128 Resp: 28454
Ion Ratio Lower Upper
128 100
127 12.7 9.9 14.9
129 11.0 8.4 12.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/13/2022
Supervised By :Mahesh Dadoda 12/13/2022



#92
1,2,3-Trichlorobenzene
Concen: 5.113 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX033363.D
Acq: 12 Dec 2022 10:35

Tgt Ion:180 Resp: 9360
Ion Ratio Lower Upper
180 100
182 94.2 0.0 199.0
145 32.8 0.0 68.2

